

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064710.D
 Acq On : 02 Jan 2020 11:42
 Operator : VA/SY
 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Quant Time: Jan 03 00:22:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	611428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204386	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.91	113	208014	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
50) Toluene-d8	10.34	98	792102	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.64	95	253089	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	71832	21.659	ug/l	98
3) Chloromethane	2.21	50	103608	22.337	ug/l	99
4) Vinyl Chloride	2.35	62	123784	21.888	ug/l	98
5) Bromomethane	2.76	94	90052	21.900	ug/l	88
6) Chloroethane	2.92	64	82052	21.653	ug/l	97
7) Trichlorofluoromethane	3.27	101	212618	22.328	ug/l	96
8) Diethyl Ether	3.71	74	40903	21.631	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88684	22.488	ug/l	99
10) Methyl Iodide	4.29	142	90519	21.369	ug/l	98
11) Tert butyl alcohol	5.24	59	20909	96.952	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84755	22.574	ug/l	99
13) Acrolein	3.92	56	26754	89.014	ug/l	97
14) Allyl chloride	4.71	41	131126	22.400	ug/l	98
15) Acrylonitrile	5.43	53	82342	104.543	ug/l	98
16) Acetone	4.16	43	83893	101.207	ug/l	95
17) Carbon Disulfide	4.40	76	260987	21.498	ug/l	97
18) Methyl Acetate	4.72	43	43596	20.578	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	172227	20.652	ug/l	99
20) Methylene Chloride	4.96	84	95574	22.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	92571	21.650	ug/l	99
22) Diisopropyl ether	6.37	45	257015	22.013	ug/l	99
23) Vinyl Acetate	6.31	43	704419	106.355	ug/l	100
24) 1,1-Dichloroethane	6.26	63	158035	22.546	ug/l	98
25) 2-Butanone	7.22	43	108086	104.494	ug/l	98
26) 2,2-Dichloropropane	7.20	77	145986	22.401	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102395	22.189	ug/l	98
28) Bromochloromethane	7.55	49	50011	18.354	ug/l	97
29) Tetrahydrofuran	7.57	42	65260	101.453	ug/l	99
30) Chloroform	7.71	83	164480	22.366	ug/l	99
31) Cyclohexane	7.98	56	152912	21.794	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	156895	22.714	ug/l	98
36) 1,1-Dichloropropene	8.11	75	130629	22.197	ug/l	97
37) Ethyl Acetate	7.29	43	48811	21.113	ug/l	97
38) Carbon Tetrachloride	8.09	117	142406	22.694	ug/l	99

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Instrument :
 MSVOA_D
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Quant Time: Jan 03 00:22:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	163340	22.916	ug/l	99
40) Benzene	8.35	78	353628	22.012	ug/l	96
41) Methacrylonitrile	7.53	41	30817	22.974	ug/l	98
42) 1,2-Dichloroethane	8.43	62	101354	21.832	ug/l	100
43) Isopropyl Acetate	8.46	43	93484	20.315	ug/l	97
44) Trichloroethene	9.11	130	105043	22.257	ug/l	97
45) 1,2-Dichloropropane	9.38	63	85461	22.280	ug/l	97
46) Dibromomethane	9.47	93	46755	21.862	ug/l	98
47) Bromodichloromethane	9.66	83	125377	22.032	ug/l	94
48) Methyl methacrylate	9.46	41	44224	20.410	ug/l	87
49) 1,4-Dioxane	9.46	88	10204	413.796	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	232326	102.143	ug/l	100
52) Toluene	10.40	92	237081	22.493	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114959	21.668	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	141038	22.544	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	61791	21.439	ug/l	91
56) Ethyl methacrylate	10.66	69	75509	20.978	ug/l	99
57) 1,3-Dichloropropane	10.94	76	107177	21.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	149963	109.355	ug/l	98
59) 2-Hexanone	10.99	43	162987	105.578	ug/l	99
60) Dibromochloromethane	11.14	129	85873	21.546	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61702	21.706	ug/l	97
64) Tetrachloroethene	10.88	164	91932	22.175	ug/l	98
65) Chlorobenzene	11.67	112	249652	22.259	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90965	21.514	ug/l	96
67) Ethyl Benzene	11.75	91	449677	22.089	ug/l	99
68) m/p-Xylenes	11.86	106	342302	43.564	ug/l	98
69) o-Xylene	12.18	106	156785	22.091	ug/l	98
70) Styrene	12.20	104	270070	21.679	ug/l	98
71) Bromoform	12.37	173	52144	21.626	ug/l #	96
73) Isopropylbenzene	12.48	105	432522	22.797	ug/l	100
74) N-amyl acetate	12.29	43	85398	21.056	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	64538	21.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	85321	40.697	ug/l #	100
77) Bromobenzene	12.77	156	100981	21.661	ug/l	98
78) n-propylbenzene	12.83	91	504614	22.798	ug/l	100
79) 2-Chlorotoluene	12.91	91	270223	22.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	355889	22.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21614	21.562	ug/l	100
82) 4-Chlorotoluene	13.01	91	287786	22.241	ug/l	98
83) tert-Butylbenzene	13.23	119	303362	22.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	351407	22.640	ug/l	97
85) sec-Butylbenzene	13.41	105	418620	22.566	ug/l	98
86) p-Isopropyltoluene	13.52	119	396985	22.380	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194455	21.881	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193387	22.151	ug/l	98
89) n-Butylbenzene	13.85	91	364749	22.834	ug/l	99
90) Hexachloroethane	14.12	117	74827	22.083	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	165548	21.846	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10331	21.382	ug/l	91

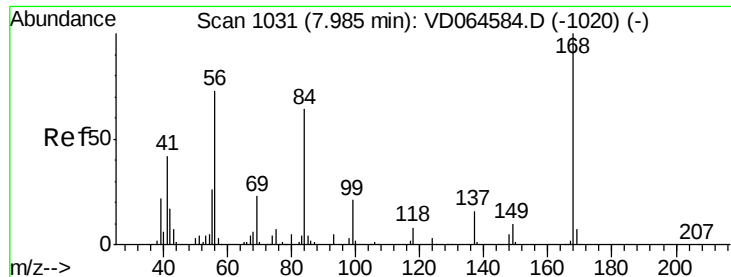
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121851	21.838	ug/l	99
94) Hexachlorobutadiene	15.28	225	76476	21.781	ug/l	97
95) Naphthalene	15.41	128	188314	21.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100282	21.052	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

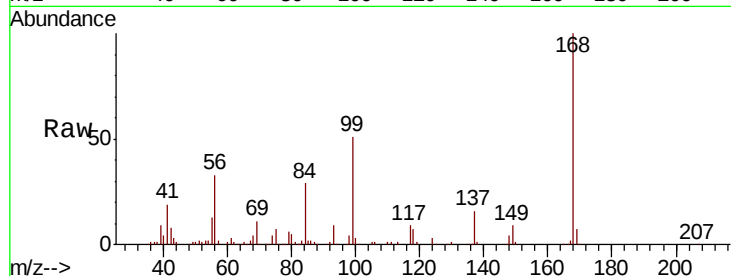
VD0102SBS01

Tot Ion:168 Resp: 426754

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

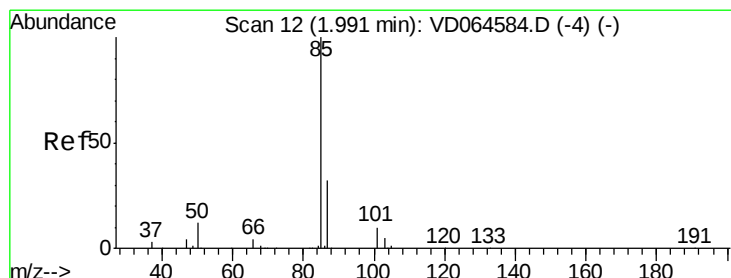
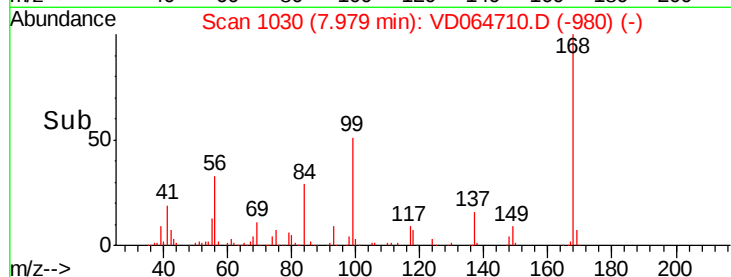
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.659 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064710.D

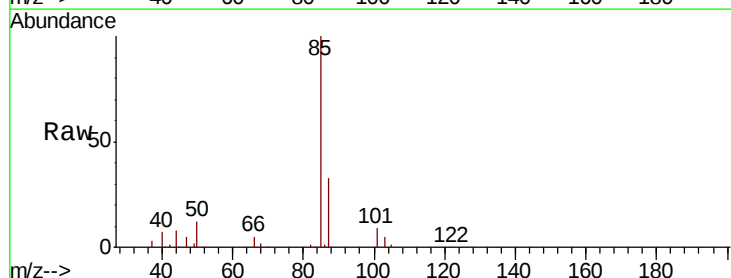
Acq: 02 Jan 2020 11:42

Tgt Ion: 85 Resp: 71832

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

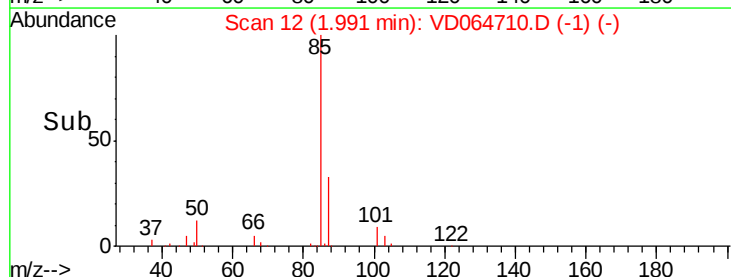
20000

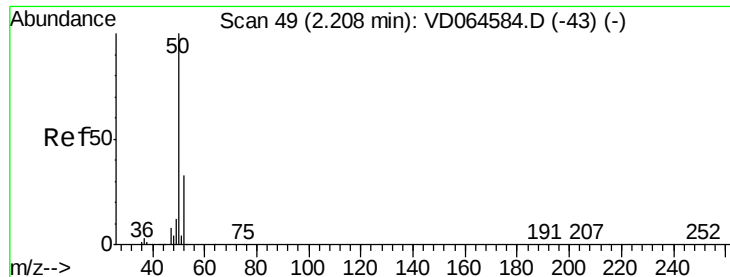
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.337 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

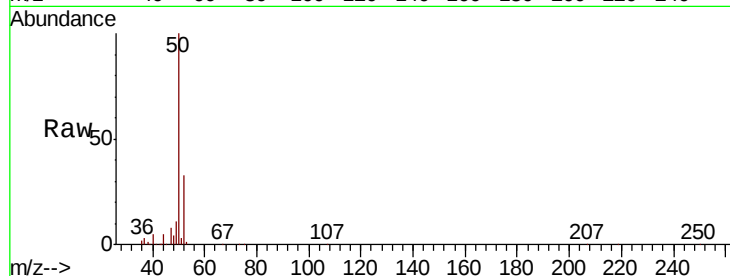
VD0102SBS01

Tot Ion: 50 Resp: 103608

Ion Ratio Lower Upper

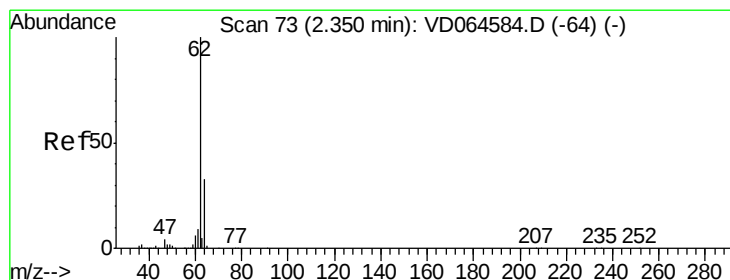
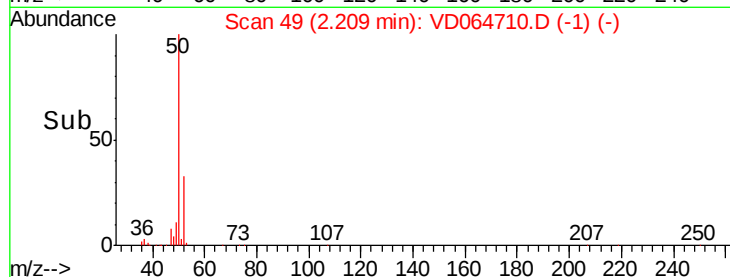
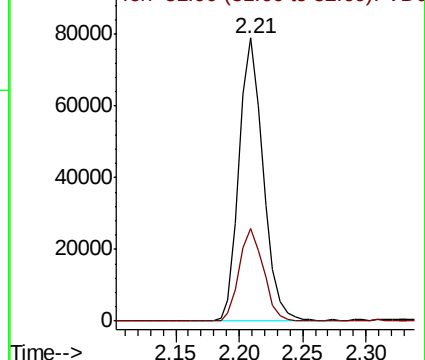
50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.888 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064710.D

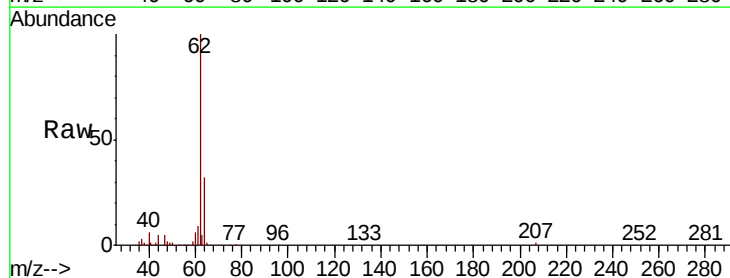
Acq: 02 Jan 2020 11:42

Tgt Ion: 62 Resp: 123784

Ion Ratio Lower Upper

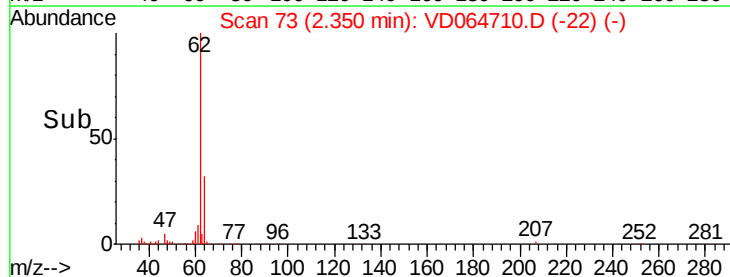
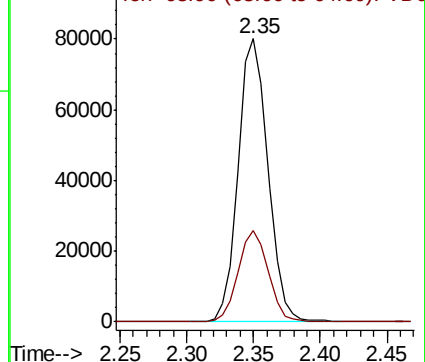
62 100

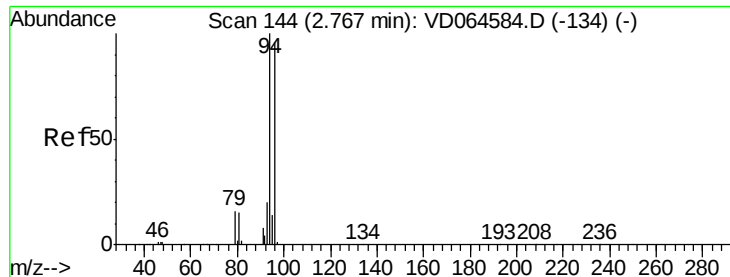
64 32.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.900 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

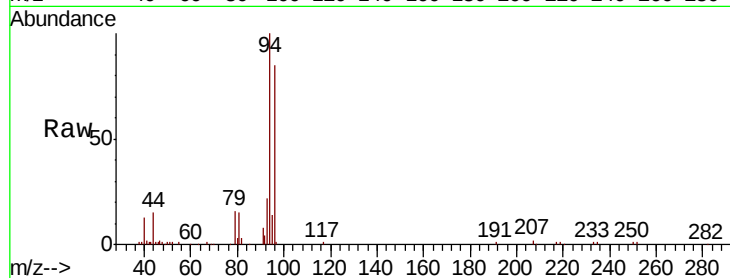
VD0102SBS01

Tot Ion: 94 Resp: 90052

Ion Ratio Lower Upper

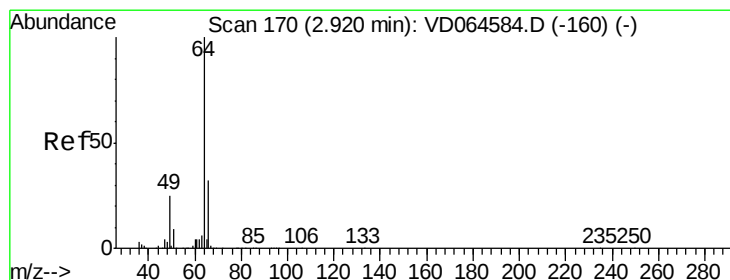
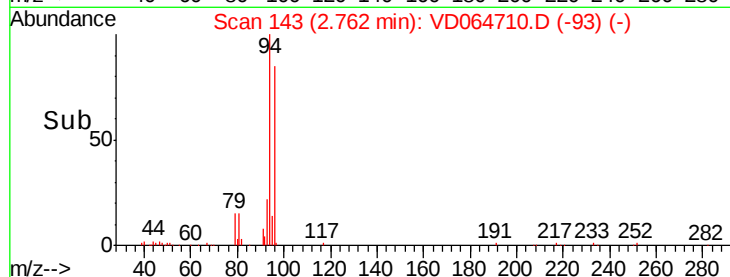
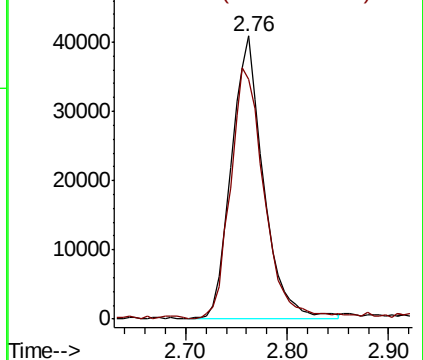
94 100

96 84.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.653 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064710.D

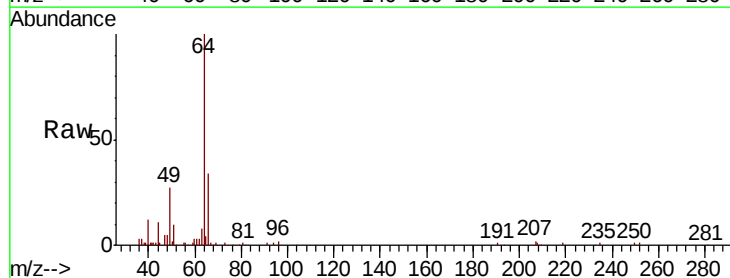
Acq: 02 Jan 2020 11:42

Tgt Ion: 64 Resp: 82052

Ion Ratio Lower Upper

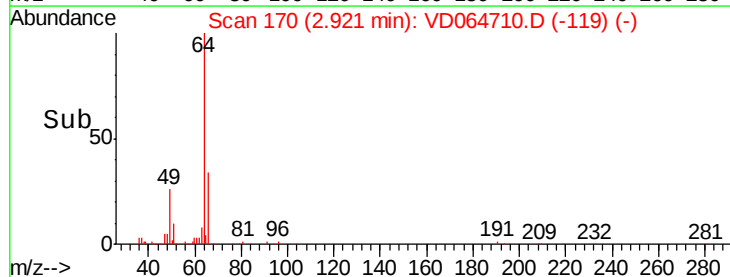
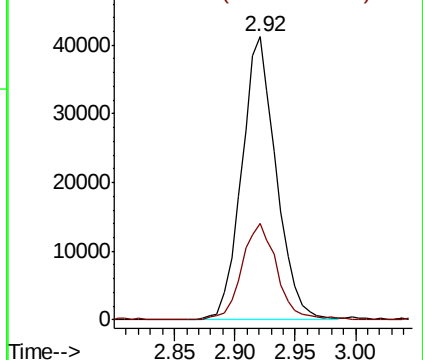
64 100

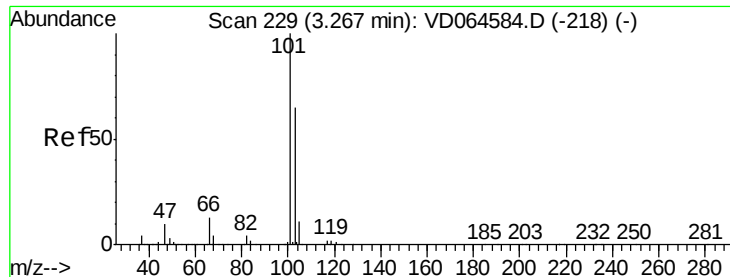
66 34.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



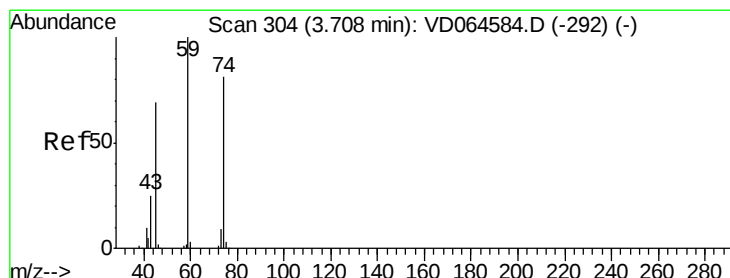
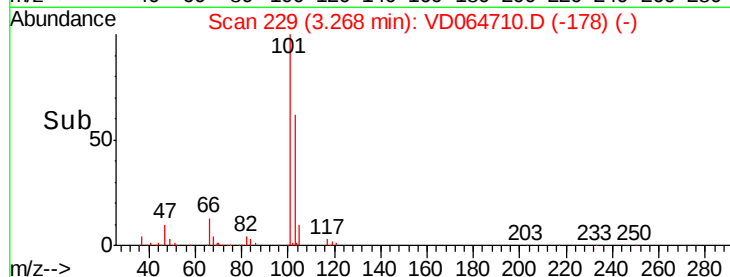
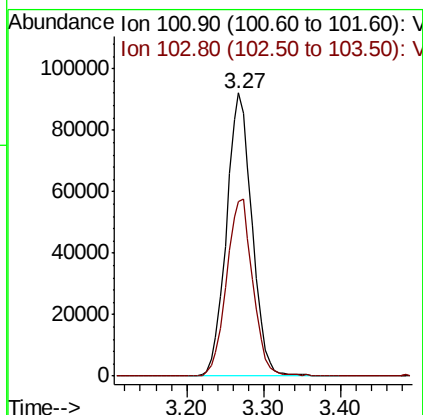
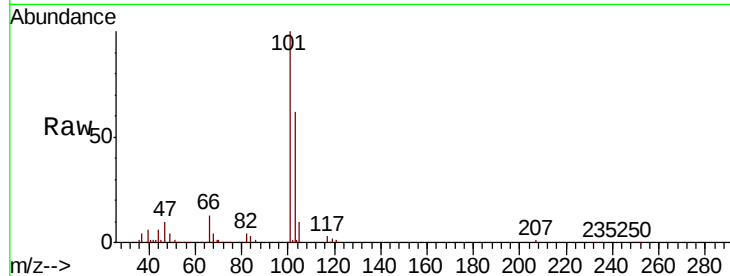


#7

Trichlorofluoromethane
 Concen: 22.328 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

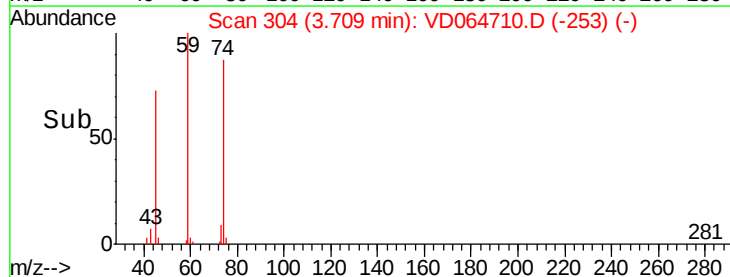
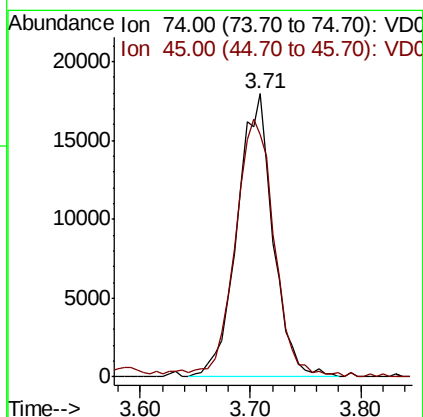
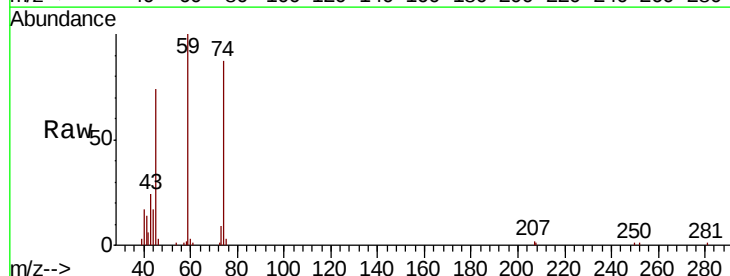
Tot Ion:101 Resp: 212618
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.2 78.4

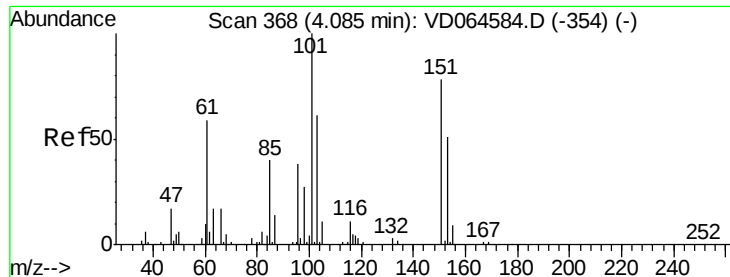


#8

Diethyl Ether
 Concen: 21.631 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion: 74 Resp: 40903
 Ion Ratio Lower Upper
 74 100
 45 99.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.488 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

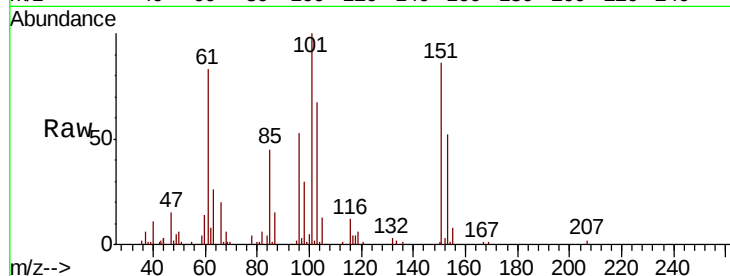
Tot Ion:101 Resp: 88684

Ion Ratio Lower Upper

101 100

85 45.4 35.2 52.8

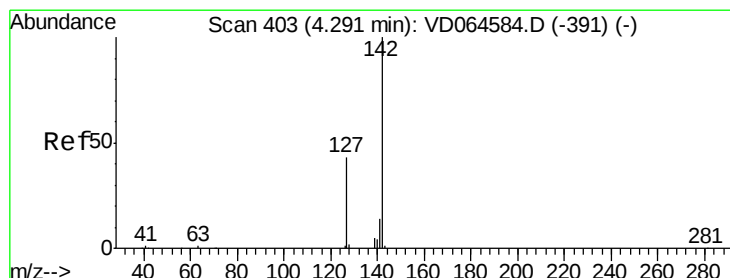
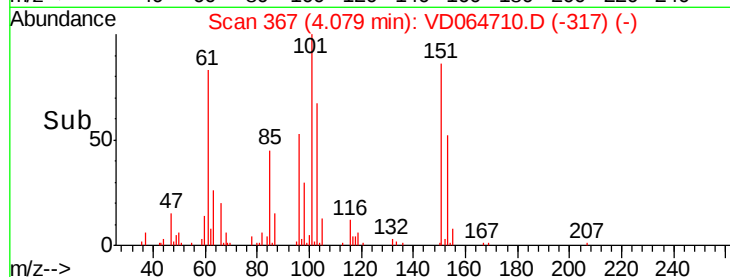
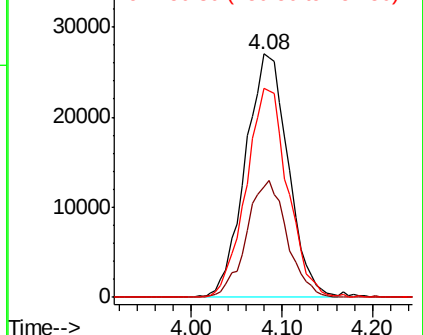
151 83.5 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.369 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

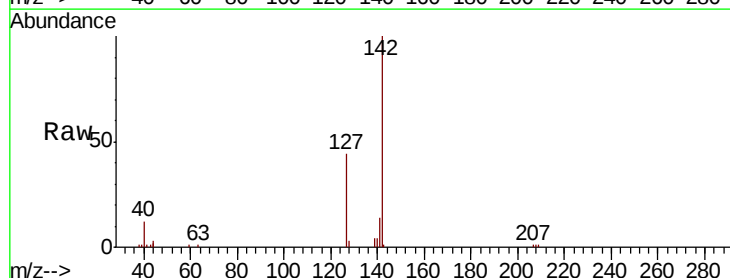
Tgt Ion:142 Resp: 90519

Ion Ratio Lower Upper

142 100

127 43.8 36.2 54.4

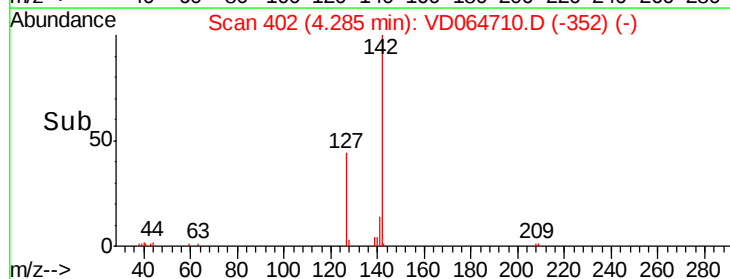
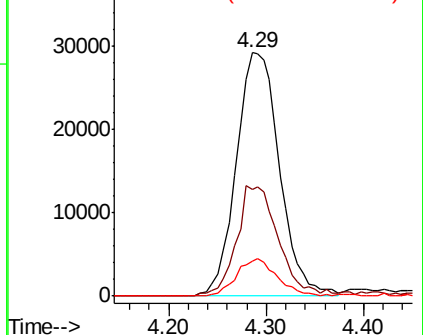
141 14.3 11.8 17.8

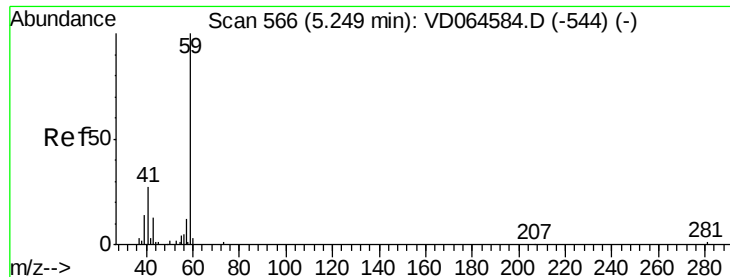


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

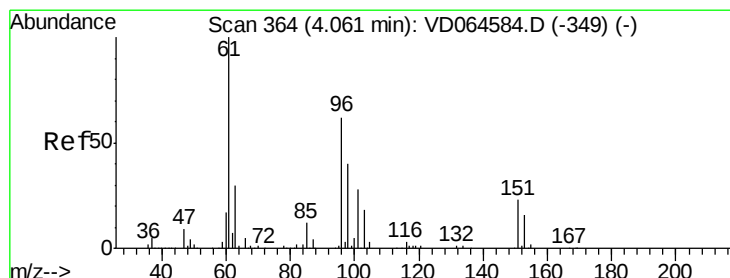
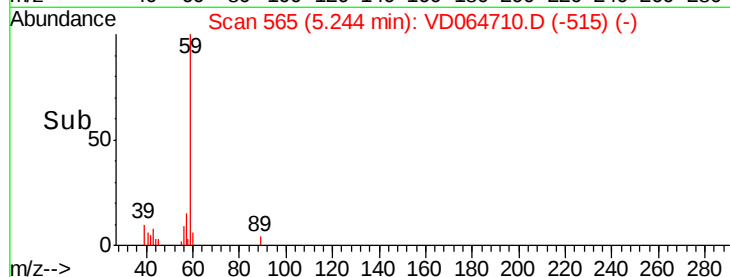
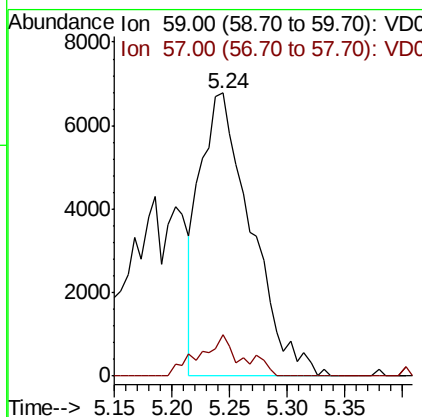
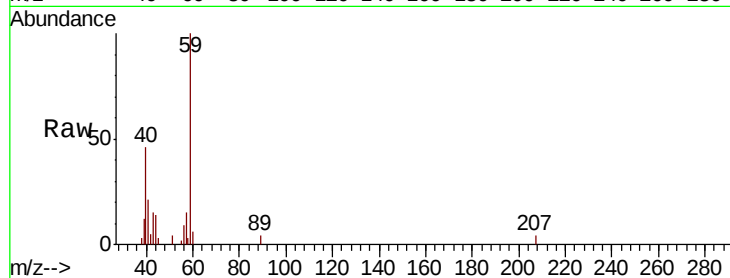




#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

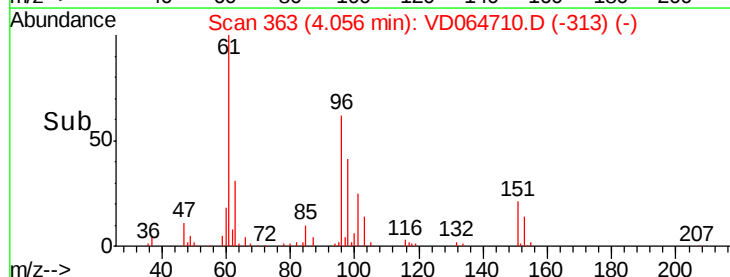
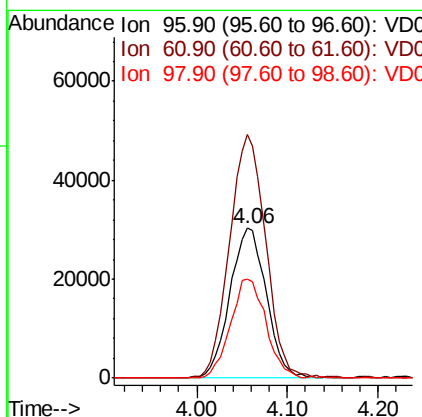
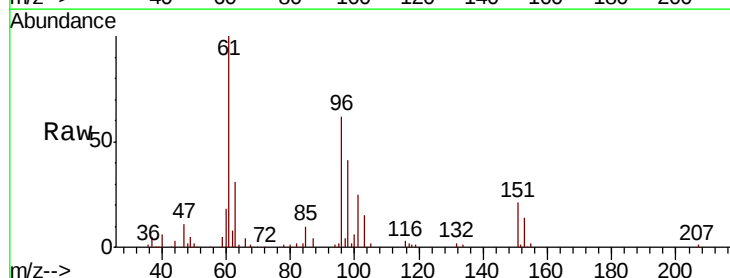
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

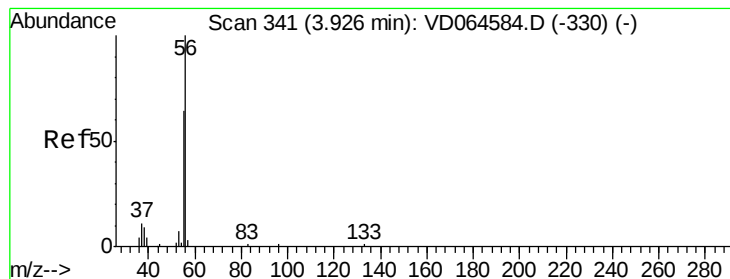
Tot Ion: 59 Resp: 20909
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 22.574 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 96 Resp: 84755
Ion Ratio Lower Upper
96 100
61 162.2 129.4 194.0
98 65.9 51.4 77.0





#13

Acrolein

Concen: 89.014 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

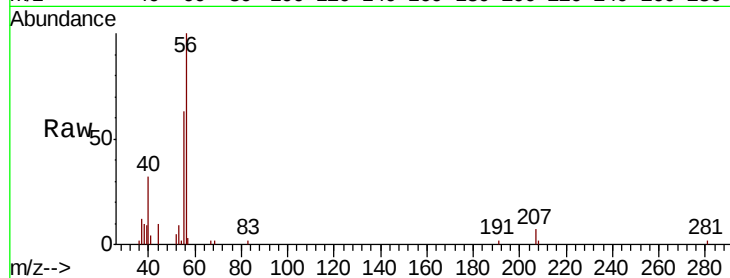
VD0102SBS01

Tot Ion: 56 Resp: 26754

Ion Ratio Lower Upper

56 100

55 68.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

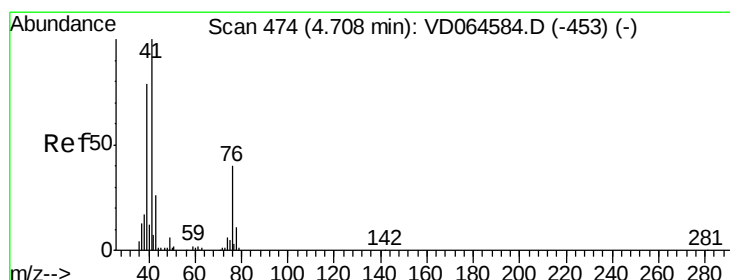
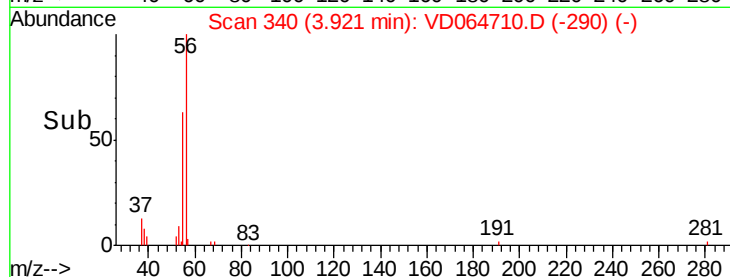
4000

2000

0

Time--> 3.80 3.85 3.90 3.95 4.00

3.92



#14

Allyl chloride

Concen: 22.400 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

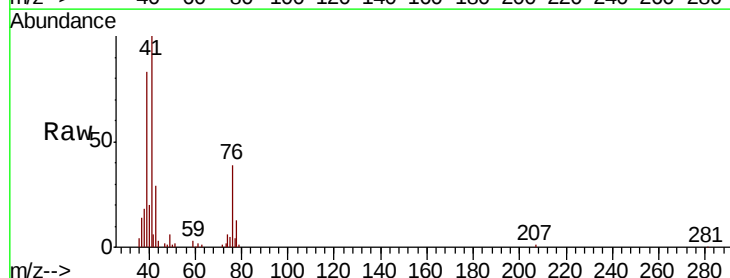
Tgt Ion: 41 Resp: 131126

Ion Ratio Lower Upper

41 100

39 79.2 62.3 93.5

76 38.1 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

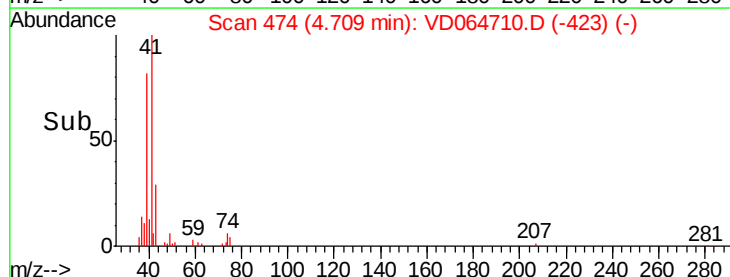
20000

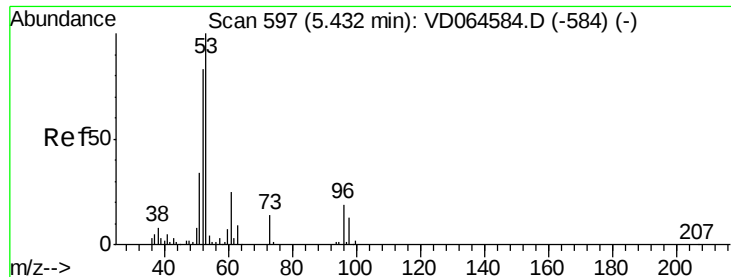
10000

0

Time--> 4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 104.543 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

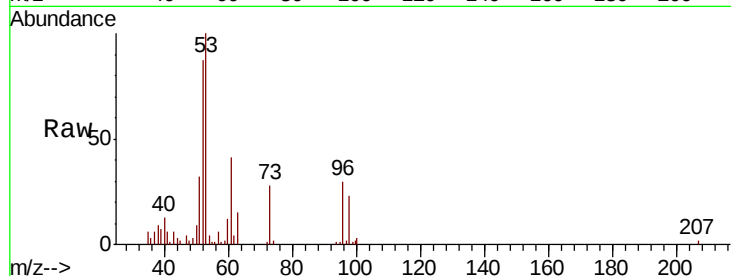
Tot Ion: 53 Resp: 82342

Ion Ratio Lower Upper

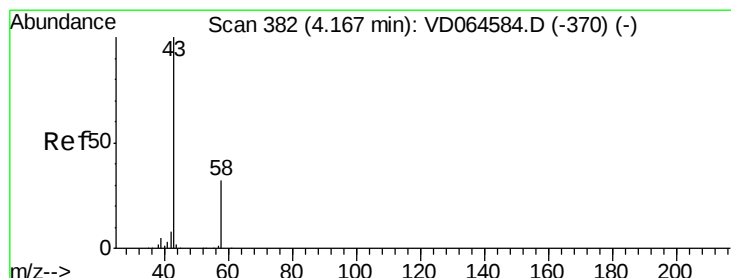
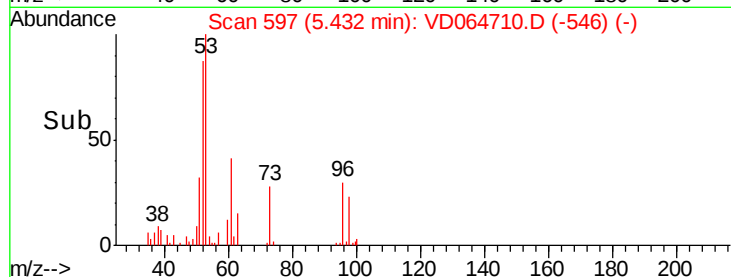
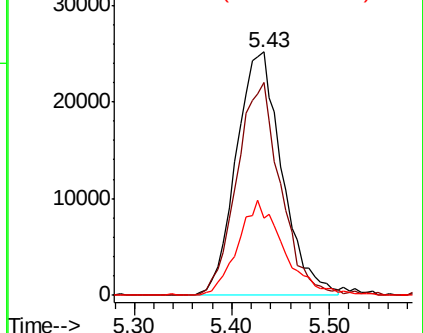
53 100

52 83.6 66.2 99.2

51 39.2 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.207 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064710.D

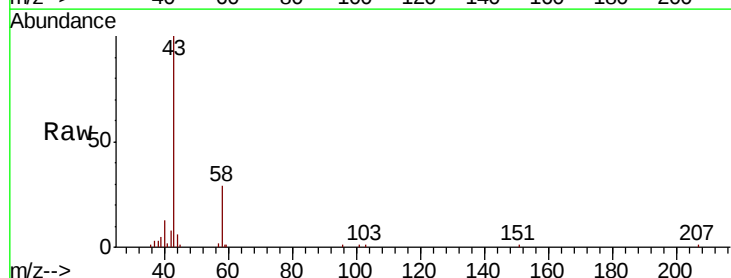
Acq: 02 Jan 2020 11:42

Tgt Ion: 43 Resp: 83893

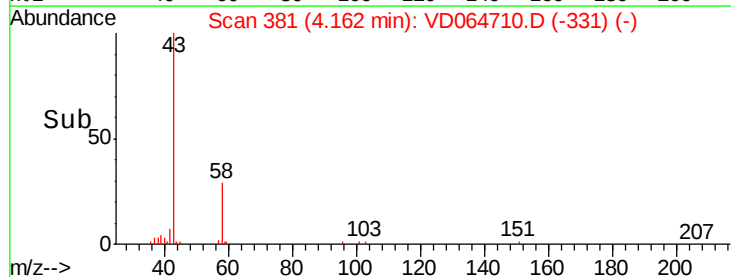
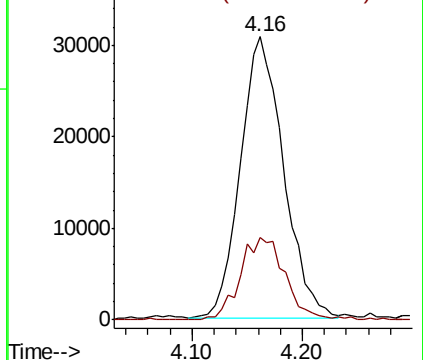
Ion Ratio Lower Upper

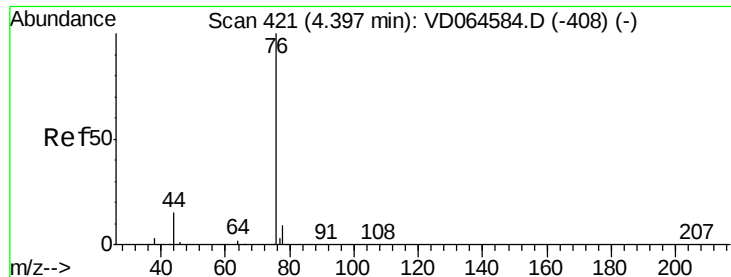
43 100

58 29.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

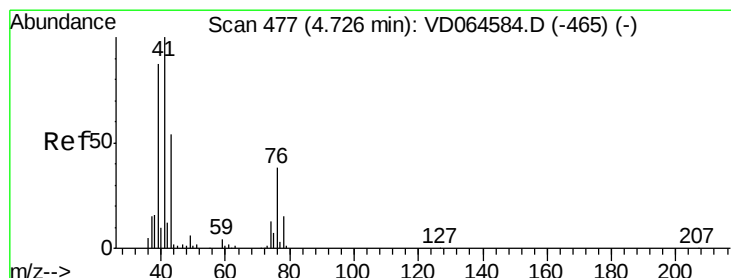
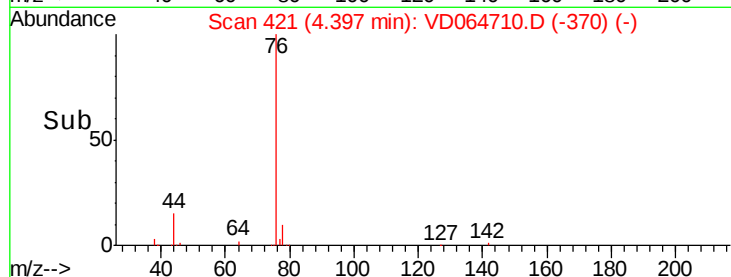
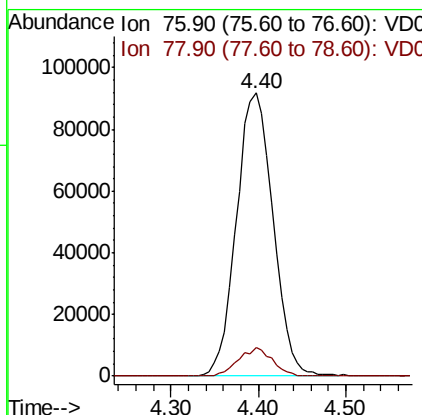
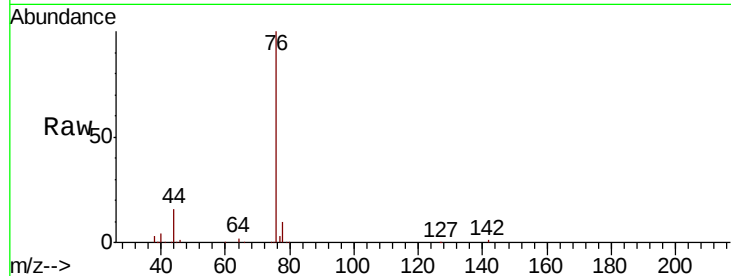




#17
Carbon Disulfide
Concen: 21.498 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

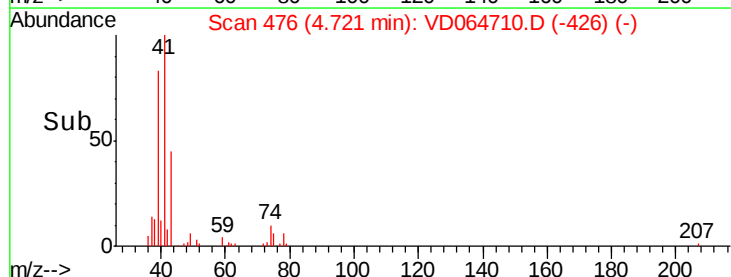
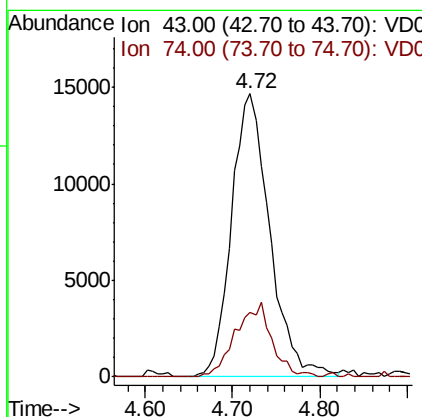
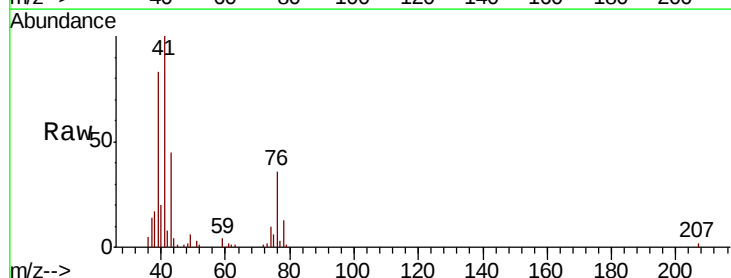
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

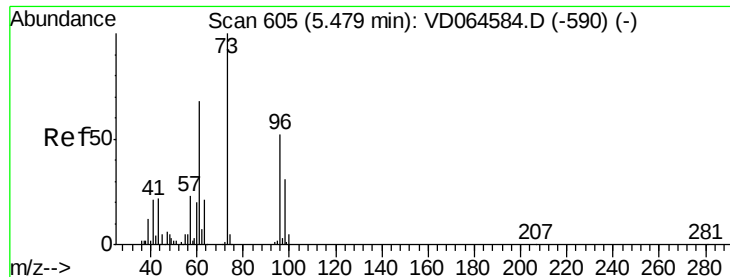
Tot Ion: 76 Resp: 260987
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#18
Methyl Acetate
Concen: 20.578 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 43 Resp: 43596
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8

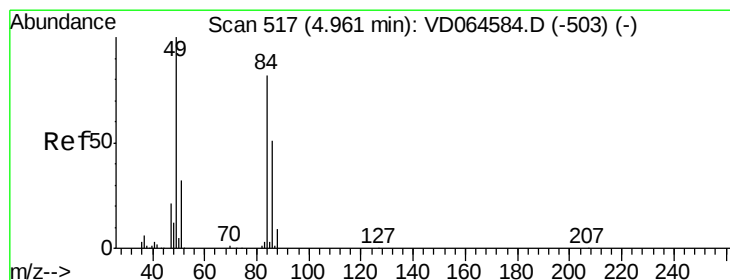
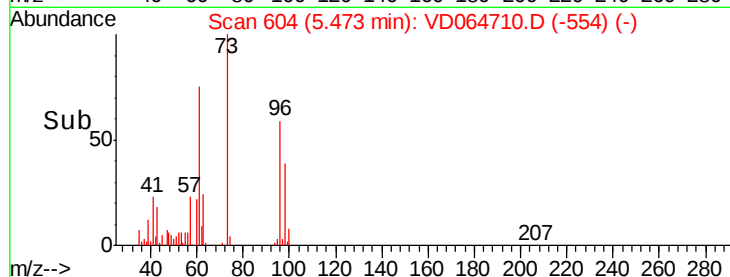
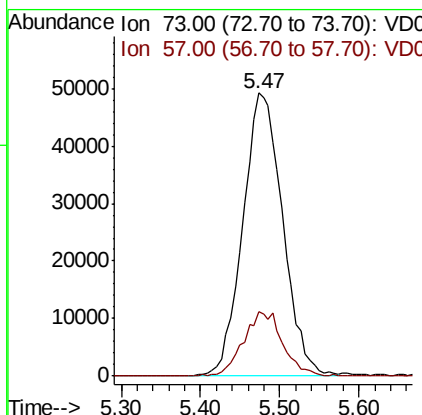
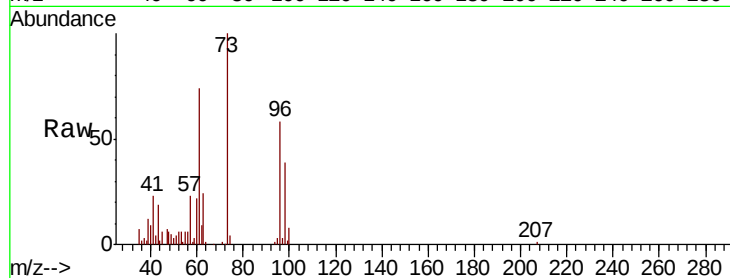




#19
Methvl tert-butvl Ether
Concen: 20.652 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

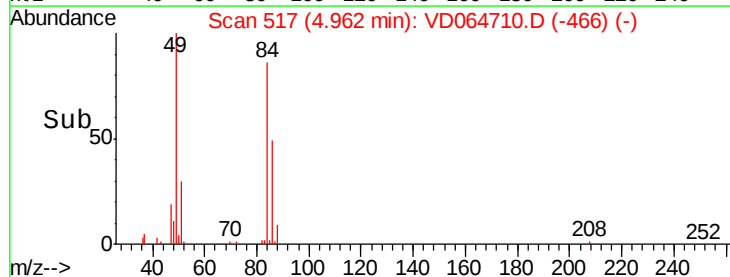
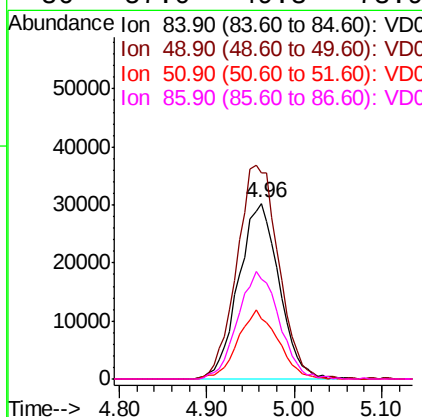
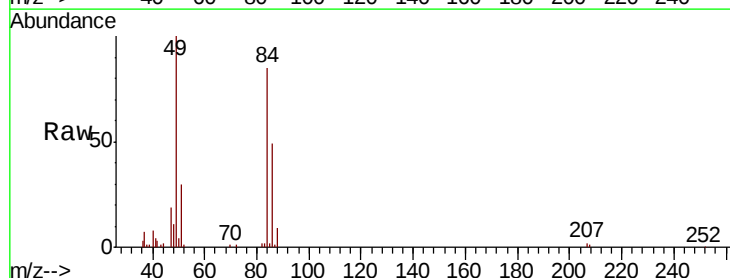
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

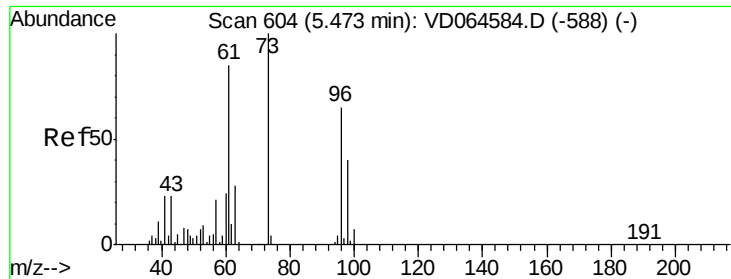
Tot Ion: 73 Resp: 172227
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8



#20
Methylene Chloride
Concen: 22.107 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 84 Resp: 95574
Ion Ratio Lower Upper
84 100
49 117.0 97.2 145.8
51 34.6 31.4 47.0
86 57.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

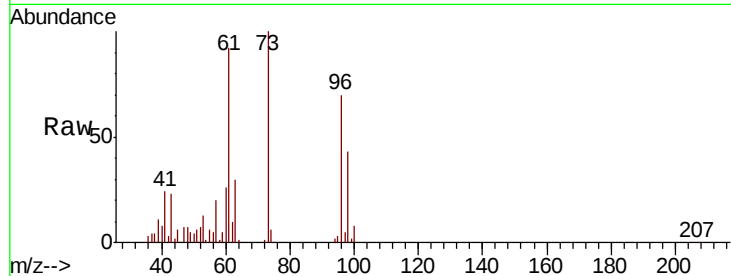
Tot Ion: 96 Resp: 92571

Ion Ratio Lower Upper

96 100

61 130.0 104.7 157.1

98 60.9 49.4 74.2

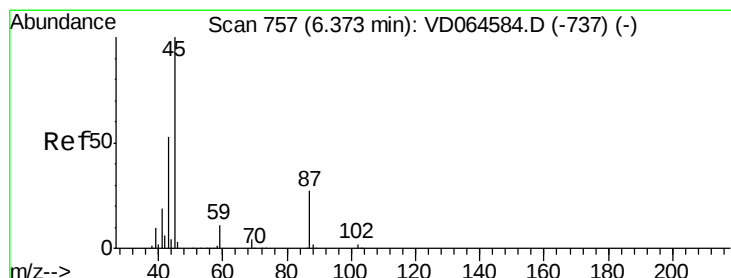
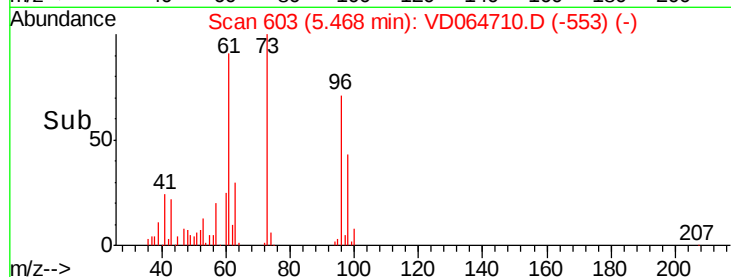
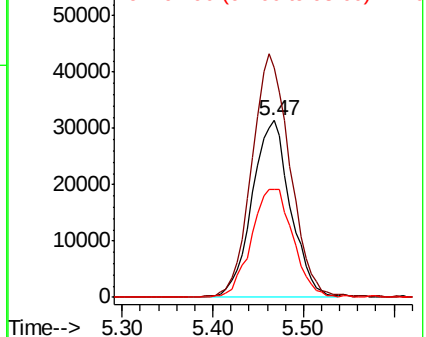


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 22.013 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion: 45 Resp: 257015

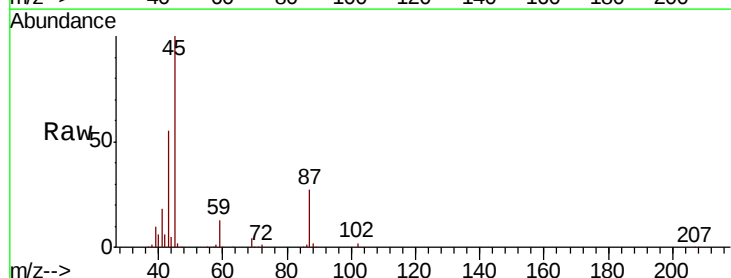
Ion Ratio Lower Upper

45 100

43 53.8 43.2 64.8

87 27.1 21.9 32.9

59 12.6 9.0 13.4



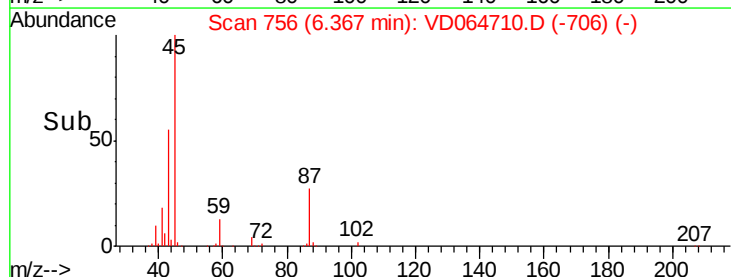
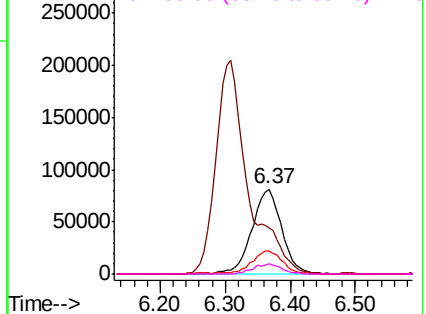
Abundance

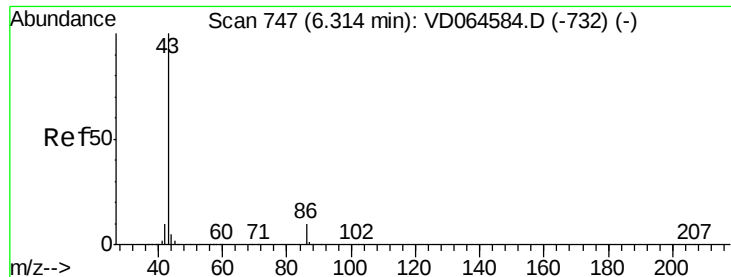
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 106.355 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

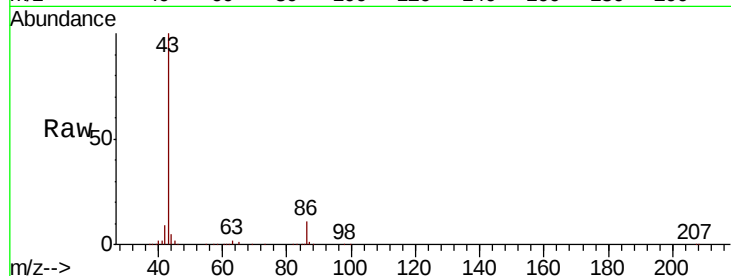
VD0102SBS01

Tot Ion: 43 Resp: 704419

Ion Ratio Lower Upper

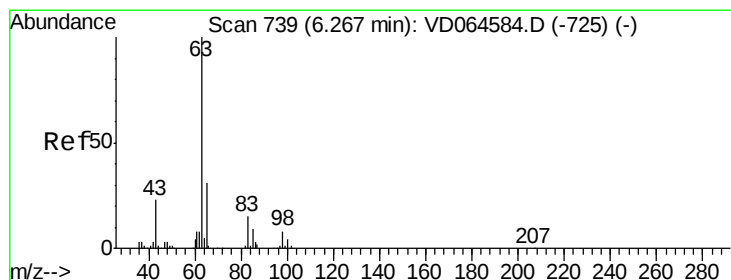
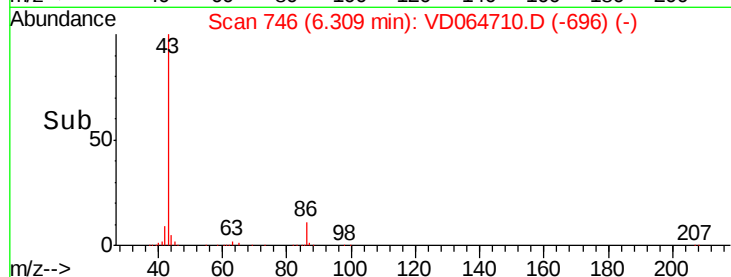
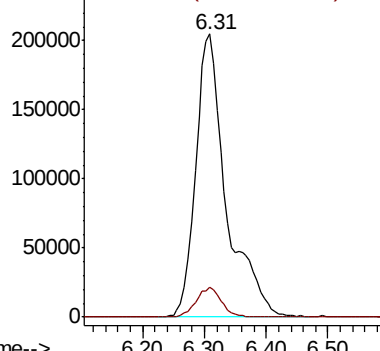
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.546 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

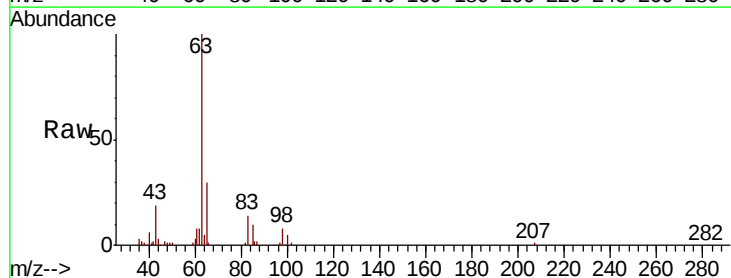
Tgt Ion: 63 Resp: 158035

Ion Ratio Lower Upper

63 100

98 7.6 4.1 12.3

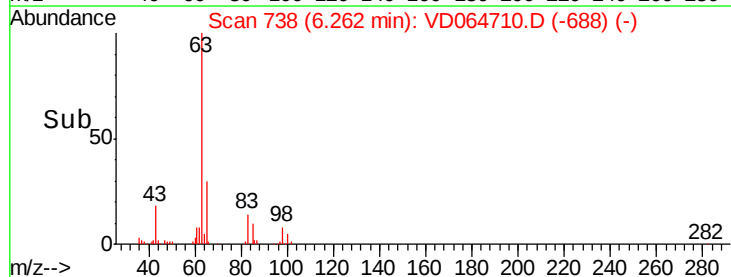
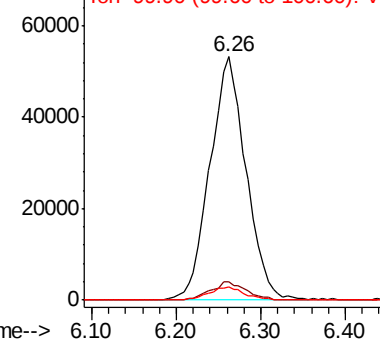
100 5.2 2.2 6.6

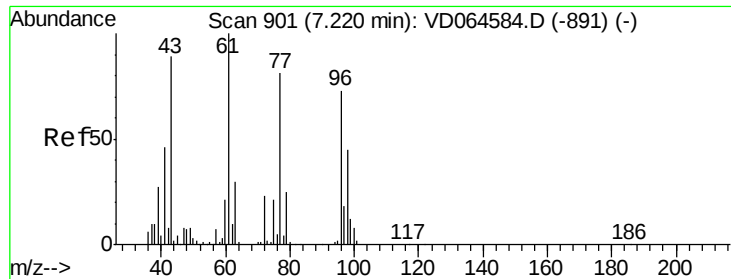


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.494 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

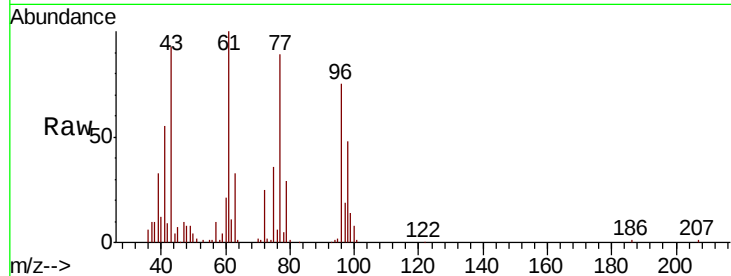
VD0102SBS01

Tot Ion: 43 Resp: 108086

Ion Ratio Lower Upper

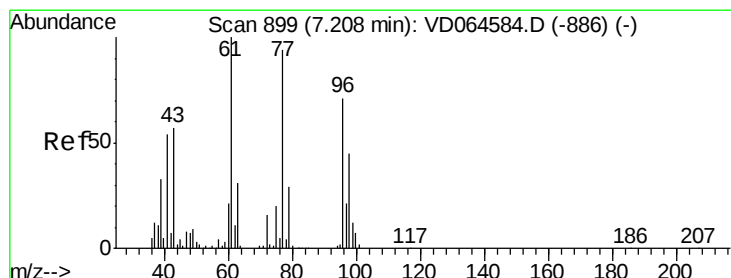
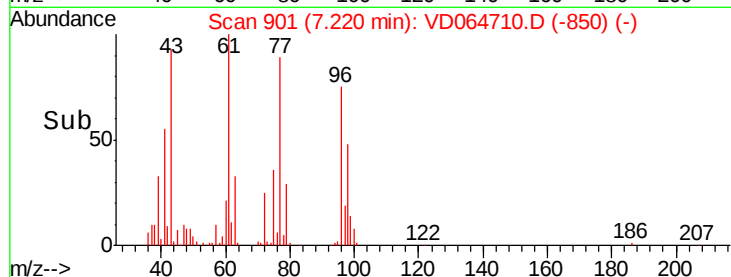
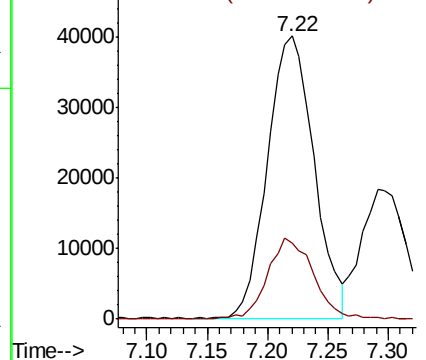
43 100

72 27.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.401 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064710.D

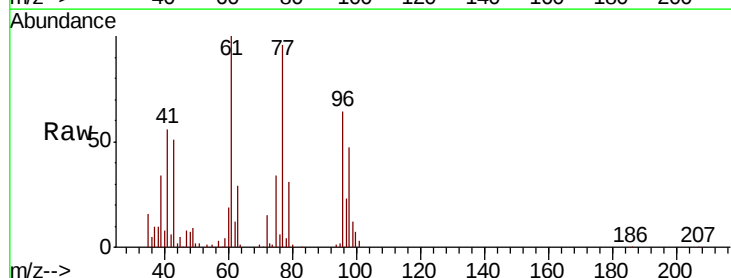
Acq: 02 Jan 2020 11:42

Tgt Ion: 77 Resp: 145986

Ion Ratio Lower Upper

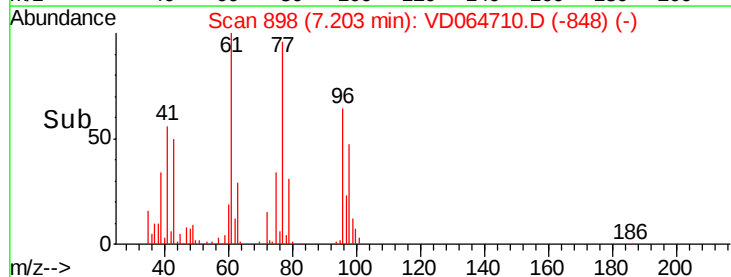
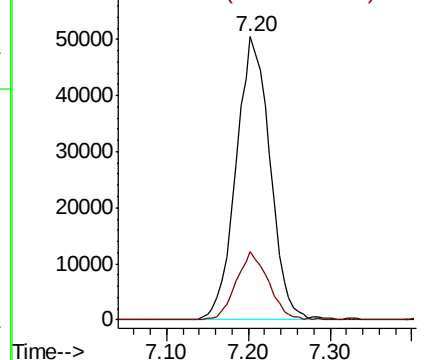
77 100

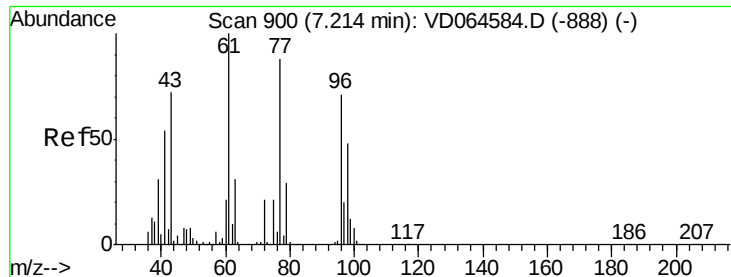
97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 22.189 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

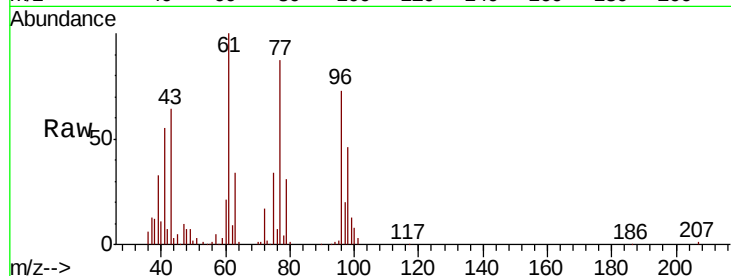
Tot Ion: 96 Resp: 102395

Ion Ratio Lower Upper

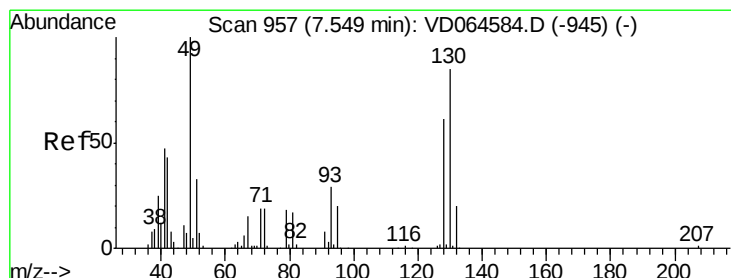
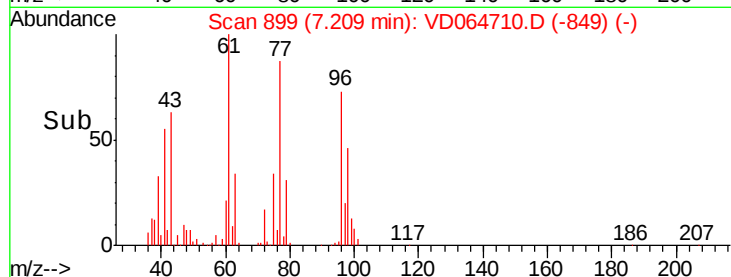
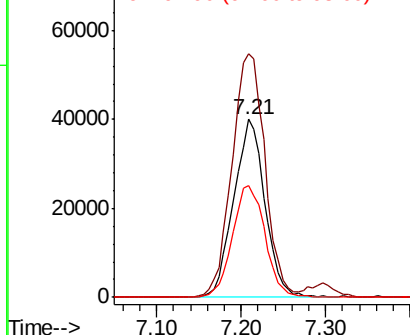
96 100

61 143.9 0.0 282.6

98 65.0 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 18.354 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

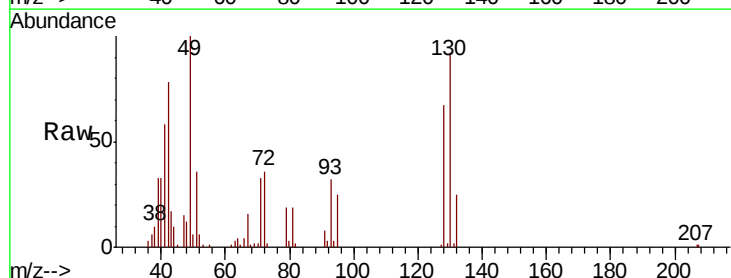
Tgt Ion: 49 Resp: 50011

Ion Ratio Lower Upper

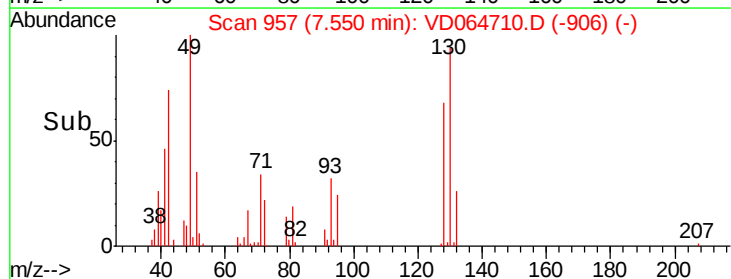
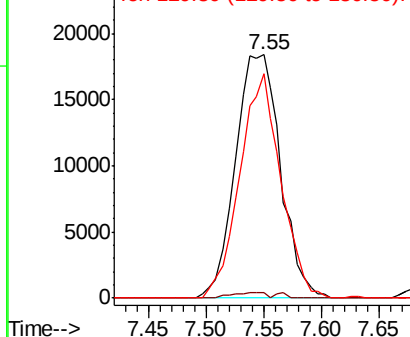
49 100

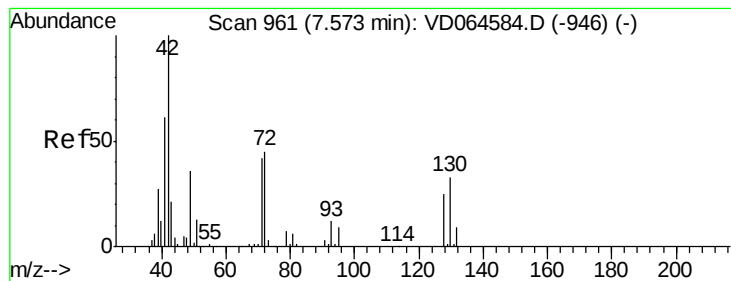
129 1.6 0.0 4.8

130 83.8 65.0 97.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.453 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

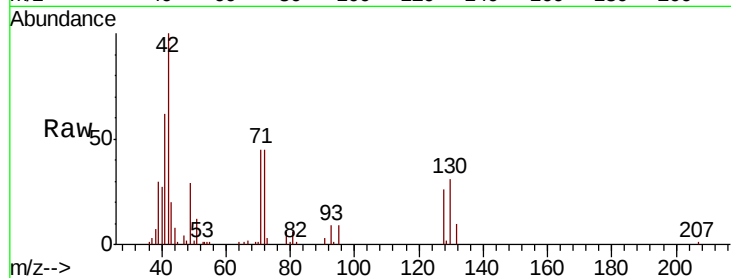
Tot Ion: 42 Resp: 65260

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

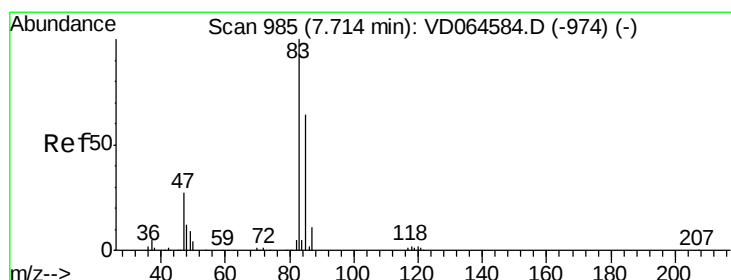
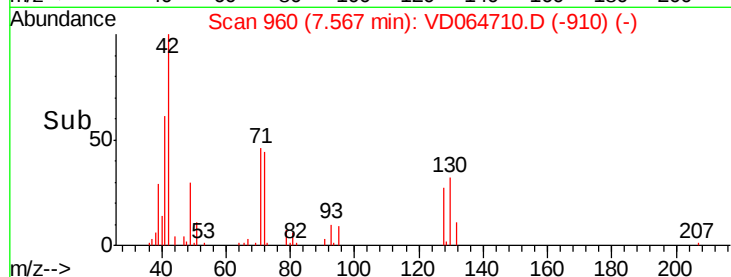
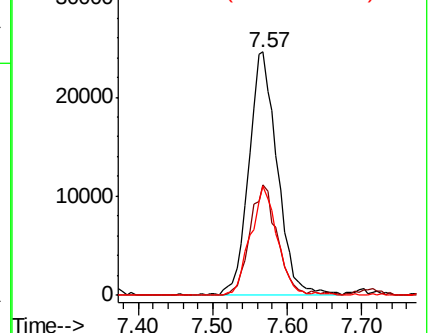
71 42.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.366 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064710.D

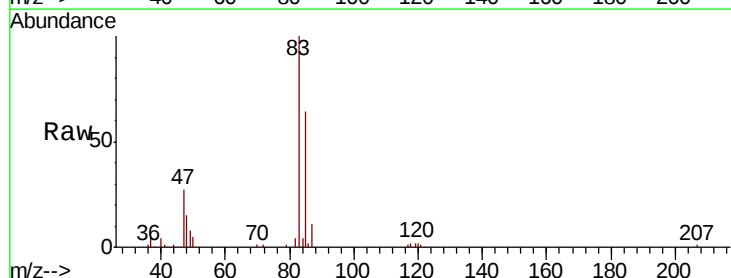
Acq: 02 Jan 2020 11:42

Tgt Ion: 83 Resp: 164480

Ion Ratio Lower Upper

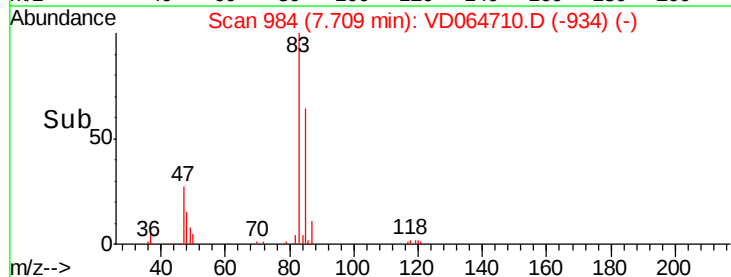
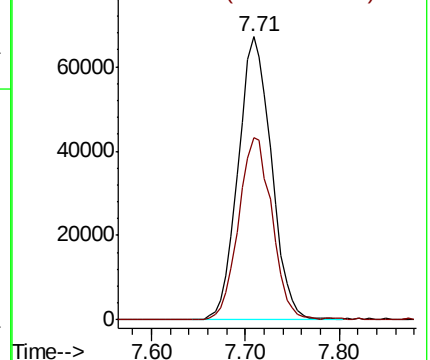
83 100

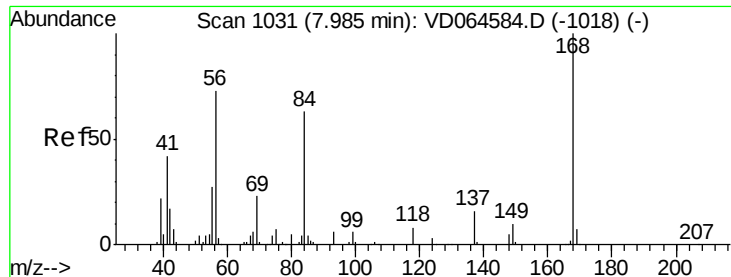
85 64.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

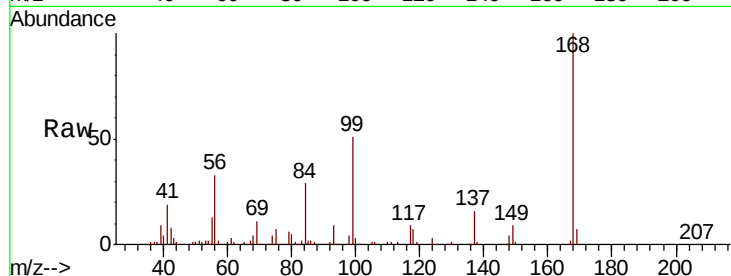




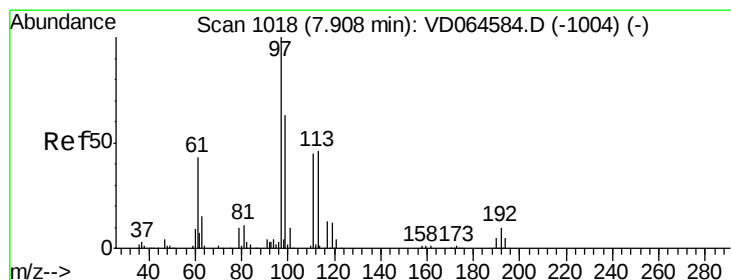
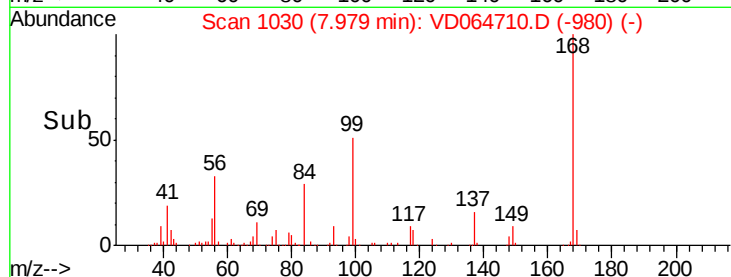
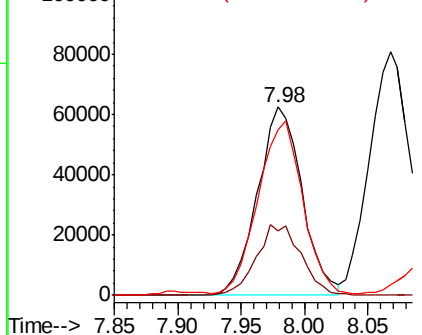
#31
Cyclohexane
Concen: 21.794 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 56 Resp: 152912
Ion Ratio Lower Upper
56 100
69 34.0 24.7 37.1
84 86.4 69.4 104.2

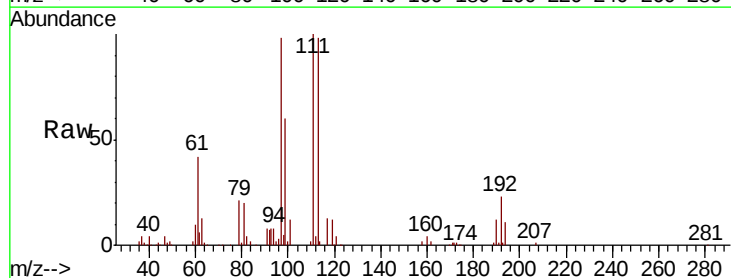


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

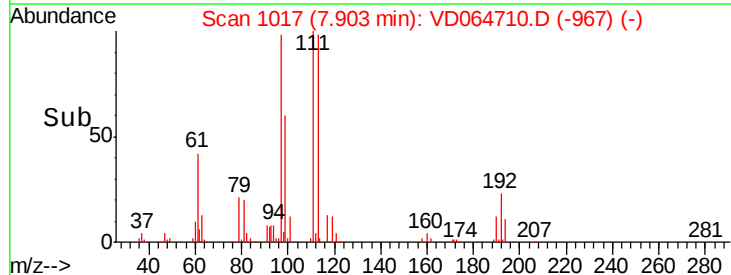
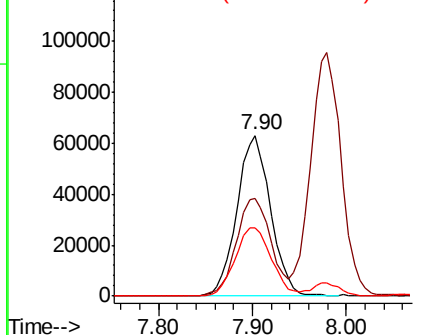


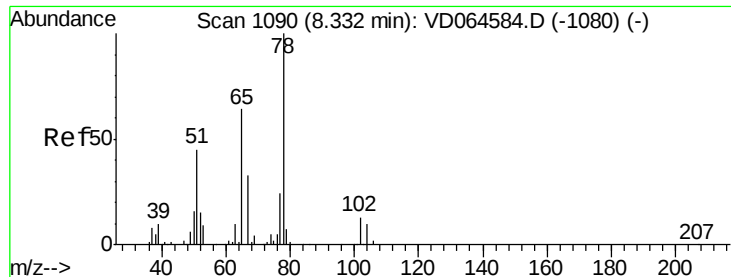
#32
1,1,1-Trichloroethane
Concen: 22.714 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 97 Resp: 156895
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.6
61 45.6 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.314 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

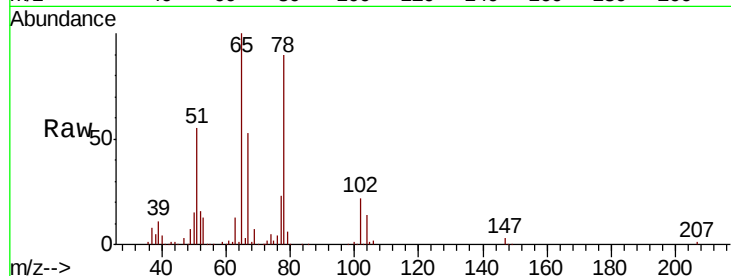
VD0102SBS01

Tot Ion: 65 Resp: 204386

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.33

100000

80000

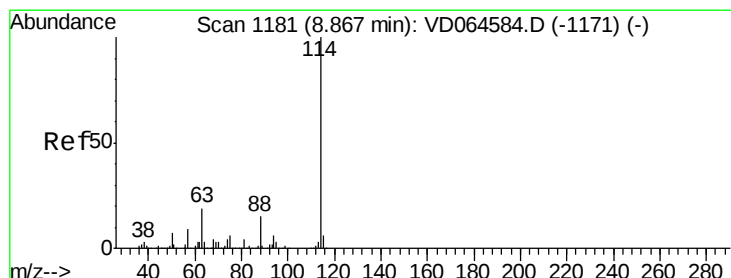
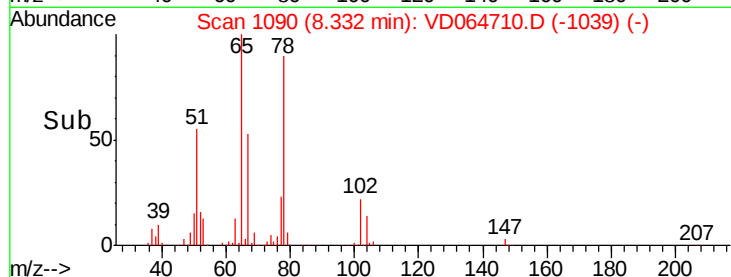
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

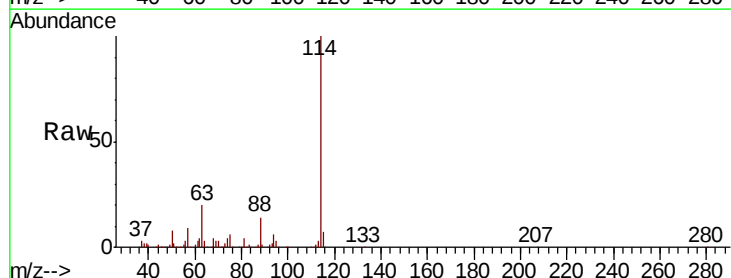
Tgt Ion: 114 Resp: 611428

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

88 14.2 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.86

400000

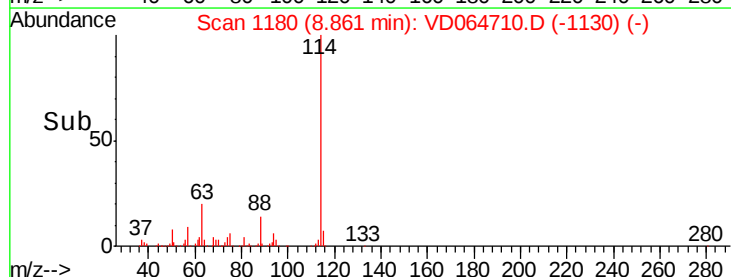
300000

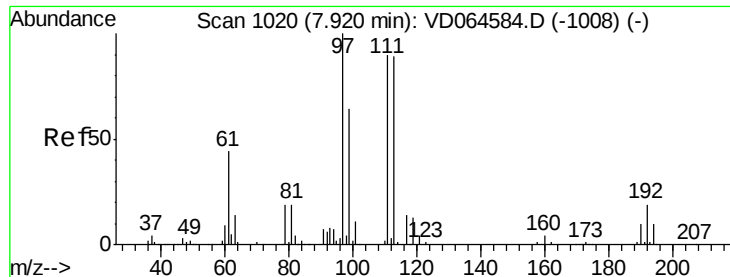
200000

100000

0

Time-->

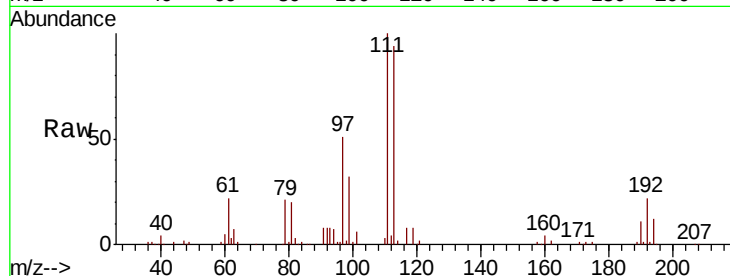




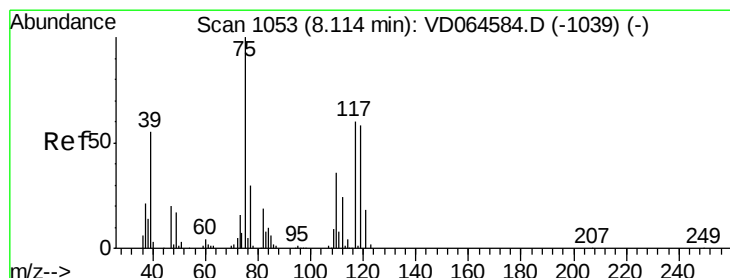
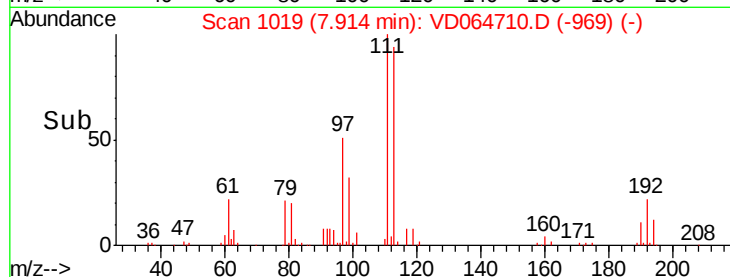
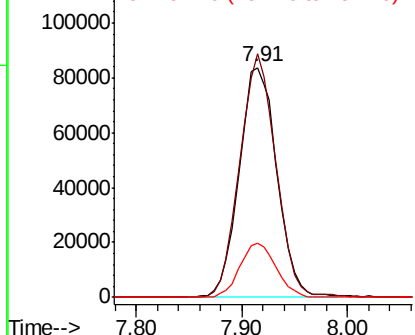
#35
 Dibromofluoromethane
 Concen: 55.452 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion:113 Resp: 208014
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.6 121.0
 192 22.7 17.9 26.9

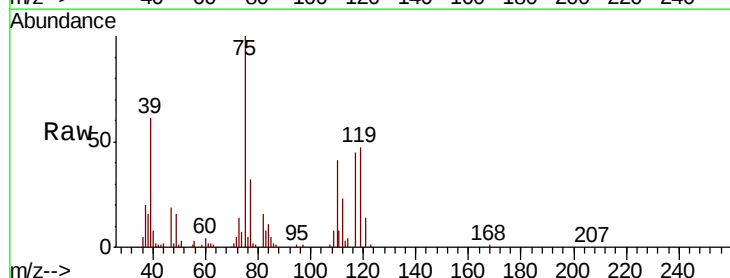


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

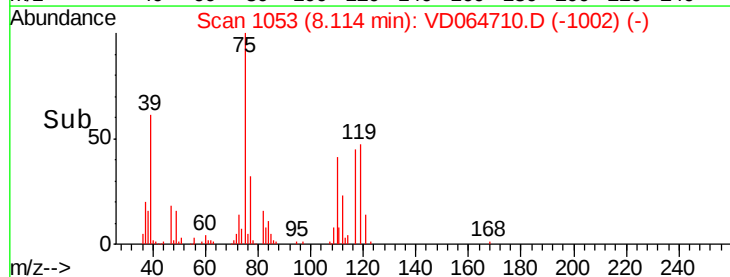
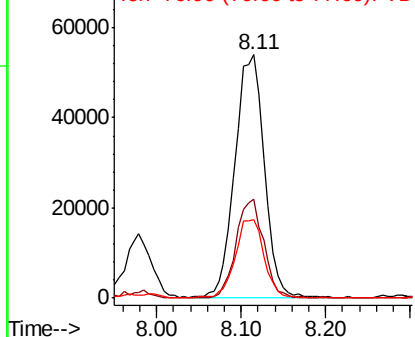


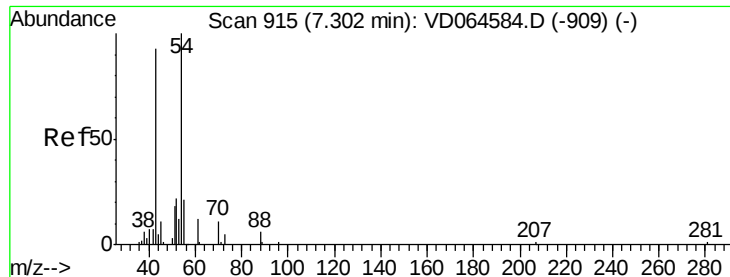
#36
 1,1-Dichloropropene
 Concen: 22.197 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion: 75 Resp: 130629
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.1 54.1
 77 31.5 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

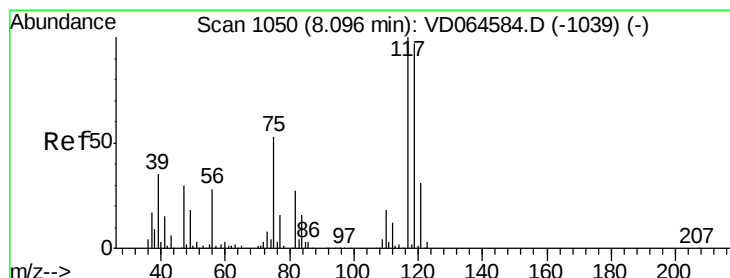
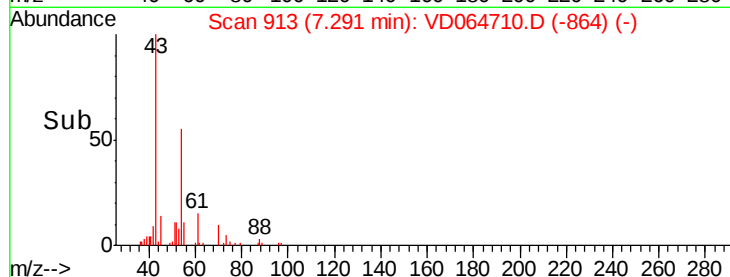
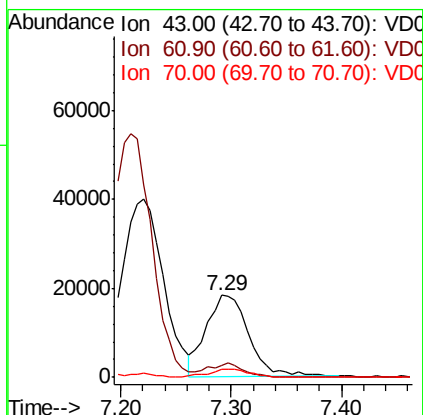
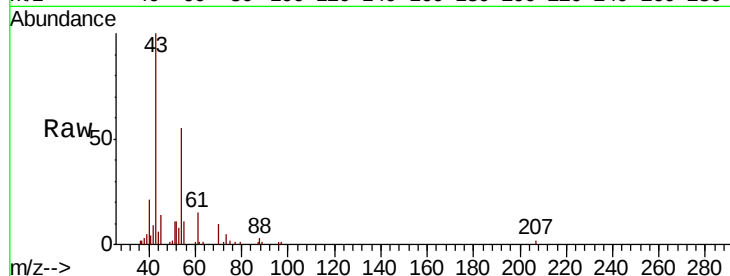




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

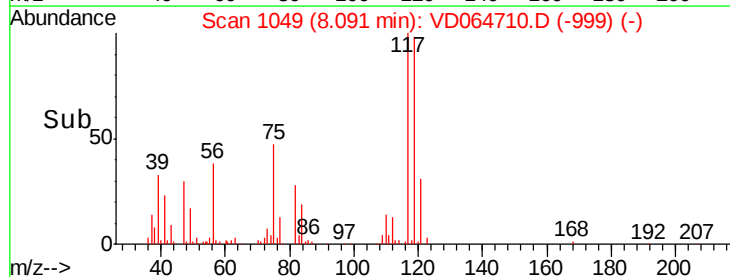
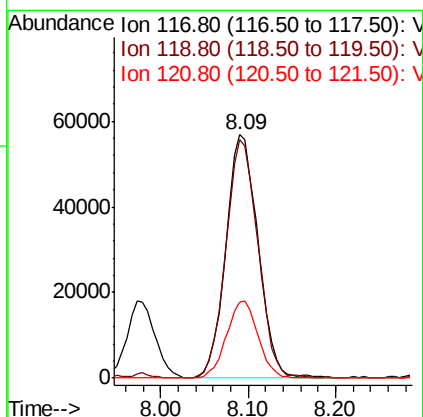
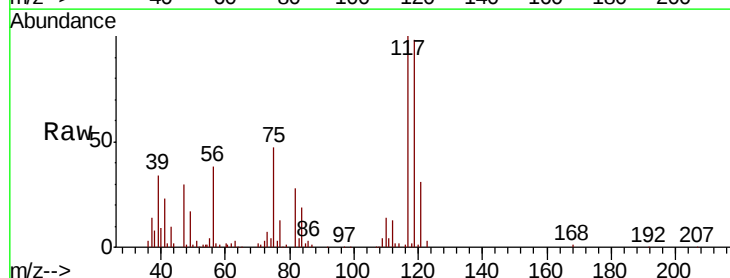
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

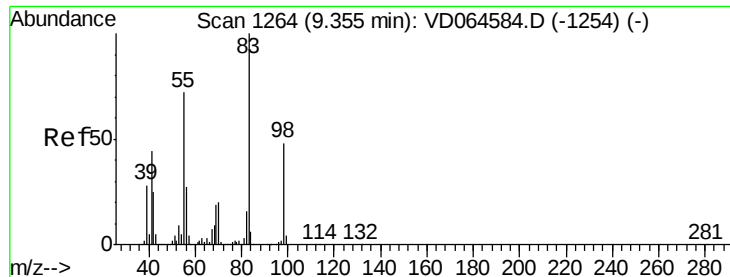
Tot Ion: 43 Resp: 48811
Ion Ratio Lower Upper
43 100
61 14.7 10.3 15.5
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 22.694 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 117 Resp: 142406
Ion Ratio Lower Upper
117 100
119 98.0 77.3 115.9
121 31.4 25.0 37.6

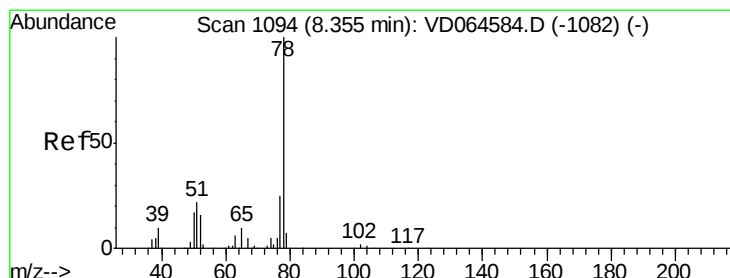
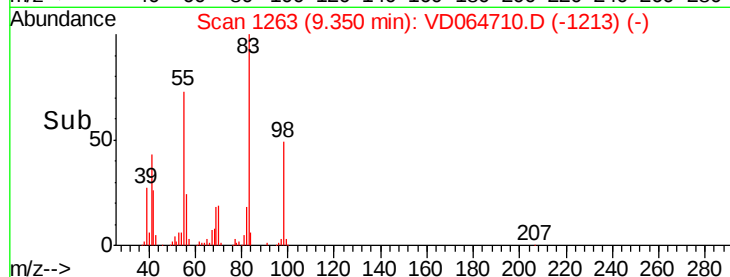
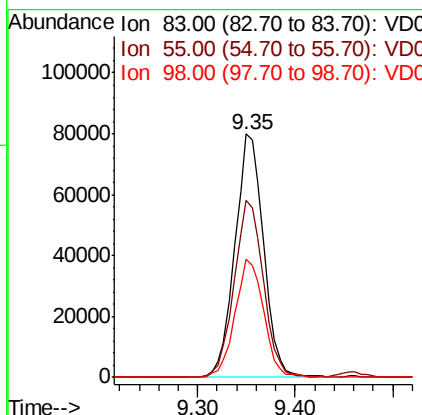
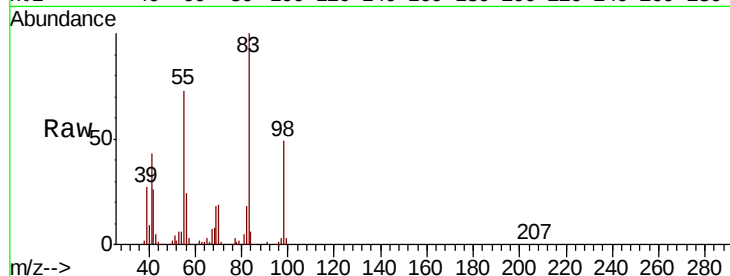




#39
Methvlcvclohexane
Concen: 22.916 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

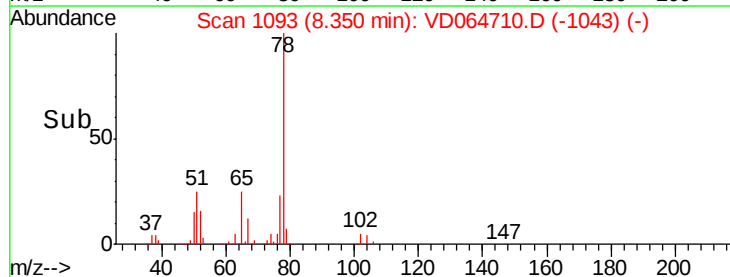
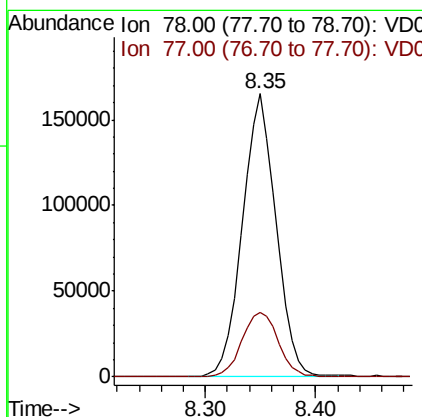
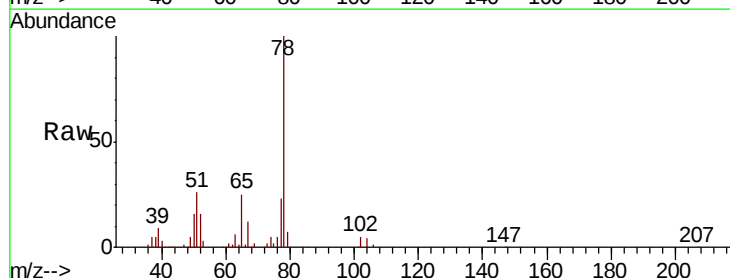
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

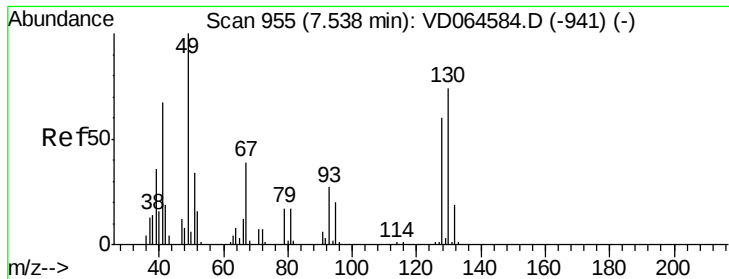
Tot Ion: 83 Resp: 163340
Ion Ratio Lower Upper
83 100
55 72.8 57.8 86.6
98 48.7 38.7 58.1



#40
Benzene
Concen: 22.012 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 78 Resp: 353628
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9

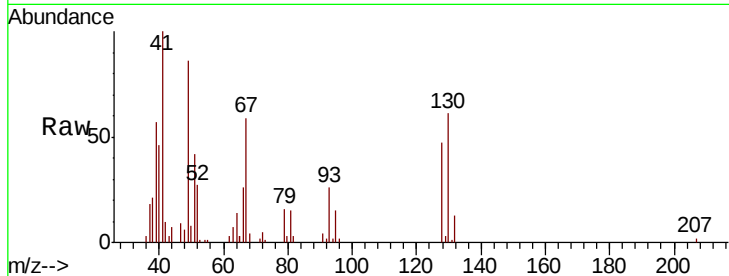




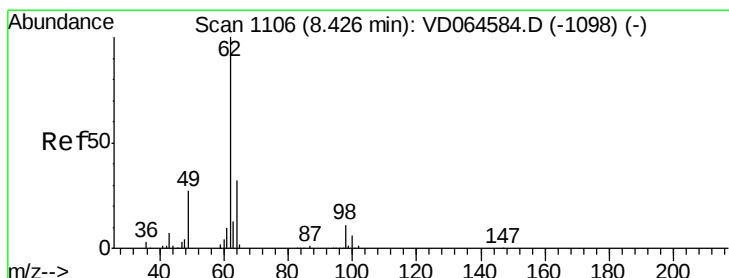
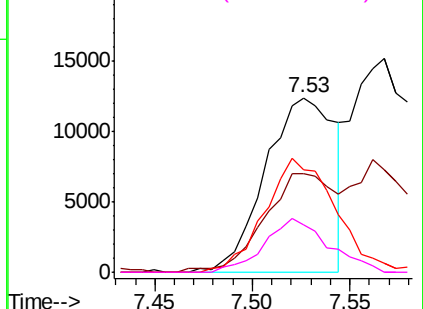
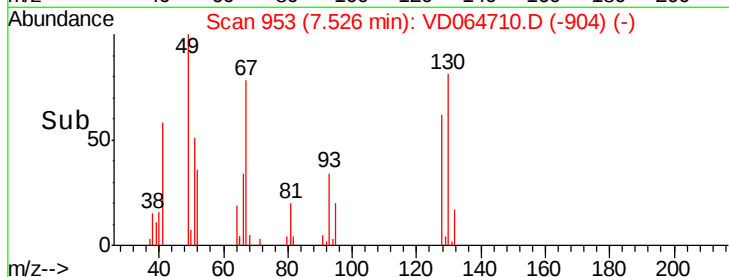
#41
Methacrylonitrile
Concen: 22.974 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 41 Resp: 30817
Ion Ratio Lower Upper
41 100
39 56.5 46.7 70.1
67 66.0 52.5 78.7
52 28.4 24.1 36.1

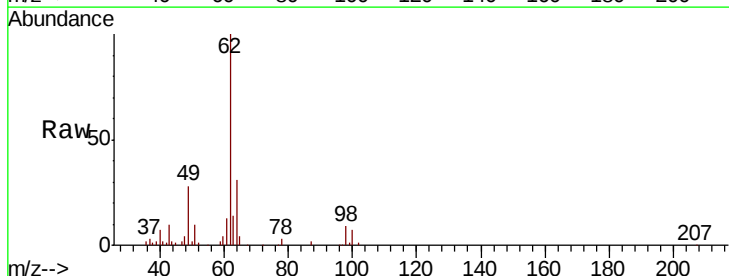


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

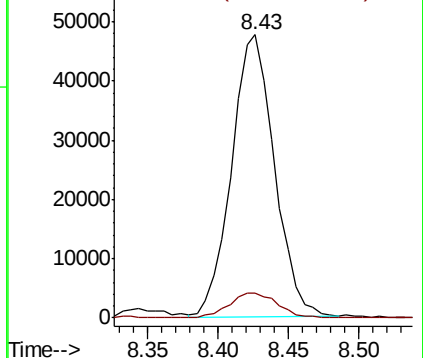
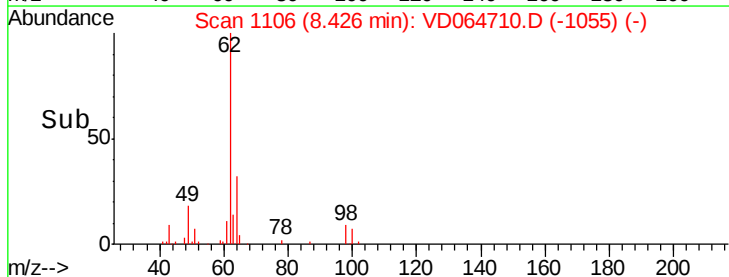


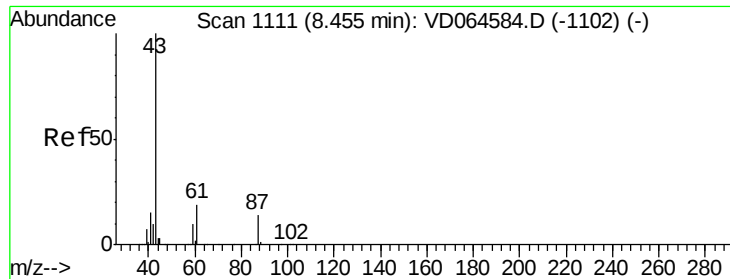
#42
1,2-Dichloroethane
Concen: 21.832 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 62 Resp: 101354
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.315 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

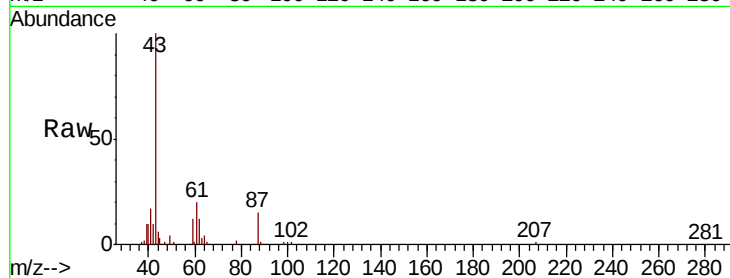
Tot Ion: 43 Resp: 93484

Ion Ratio Lower Upper

43 100

61 31.5 23.7 35.5

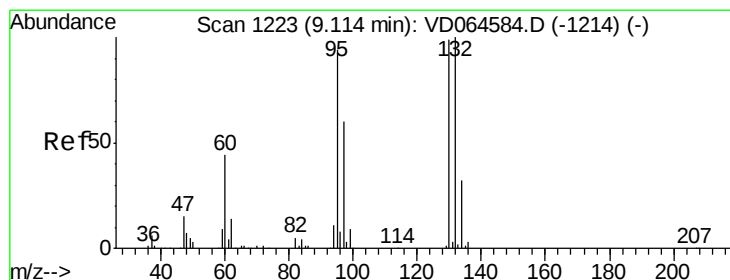
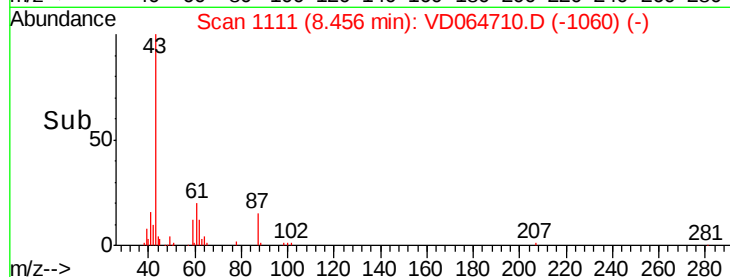
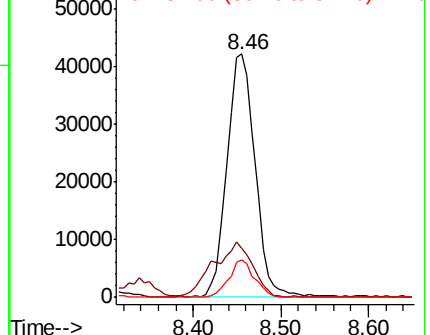
87 13.8 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.257 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064710.D

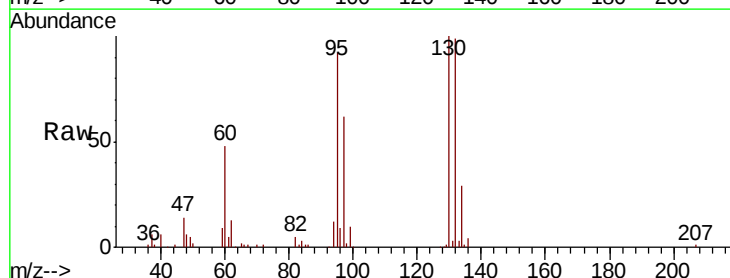
Acq: 02 Jan 2020 11:42

Tgt Ion:130 Resp: 105043

Ion Ratio Lower Upper

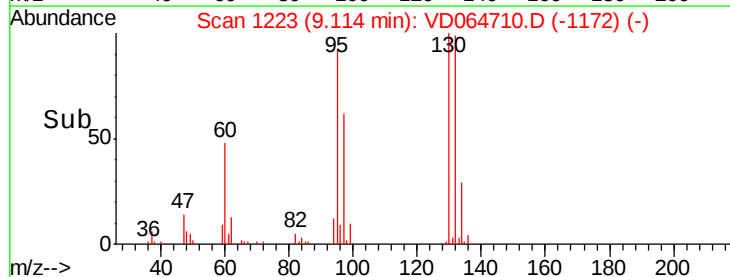
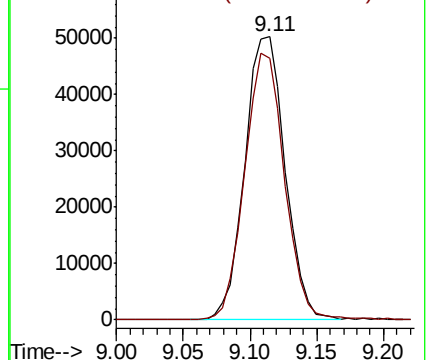
130 100

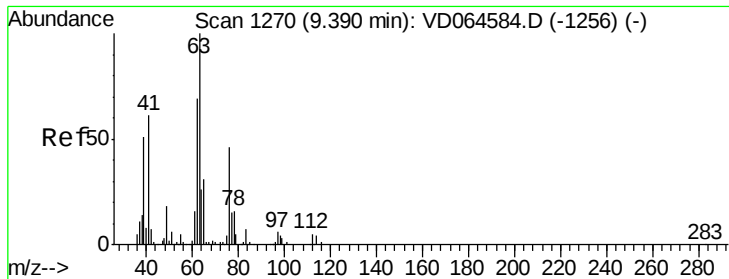
95 92.3 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.280 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

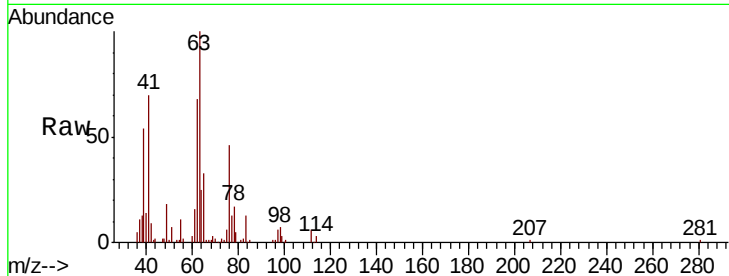
VD0102SBS01

Tot Ion: 63 Resp: 85461

Ion Ratio Lower Upper

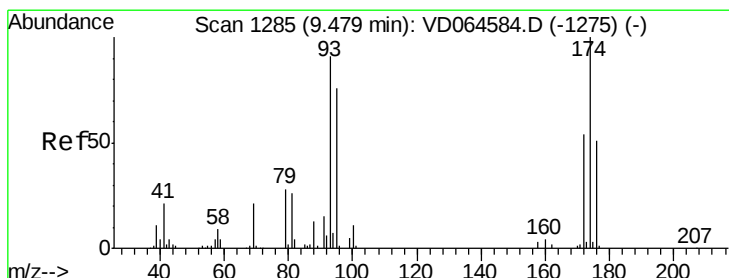
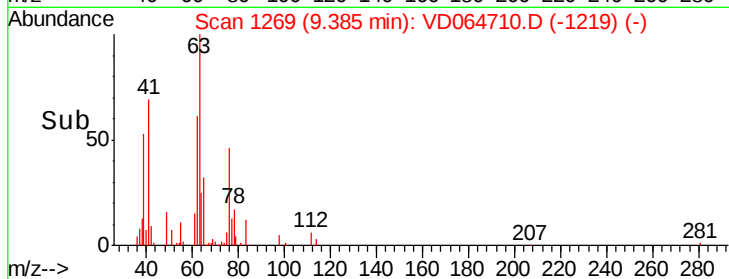
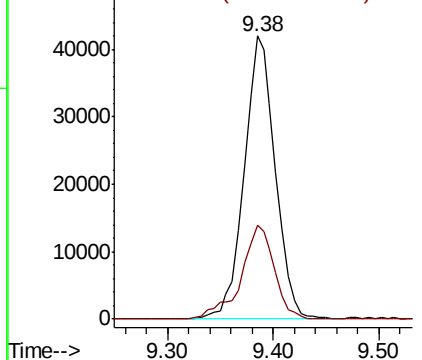
63 100

65 33.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.862 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

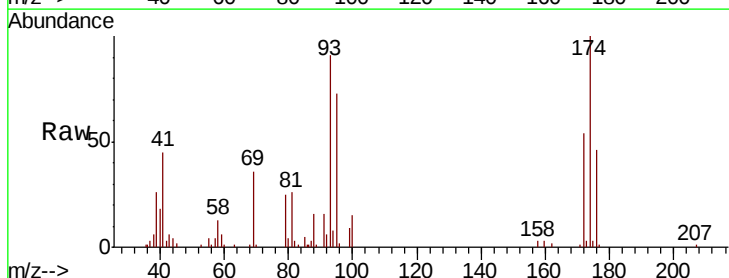
Tgt Ion: 93 Resp: 46755

Ion Ratio Lower Upper

93 100

95 83.7 64.6 97.0

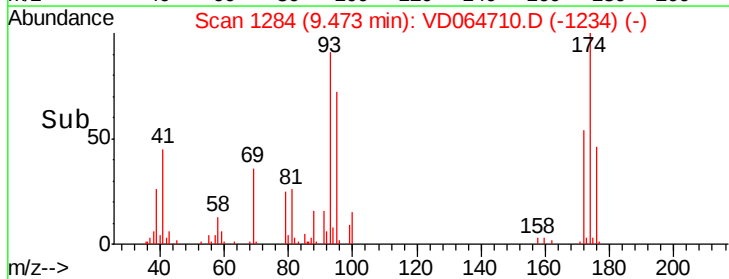
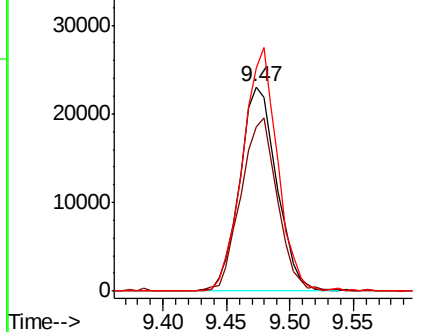
174 112.0 88.1 132.1

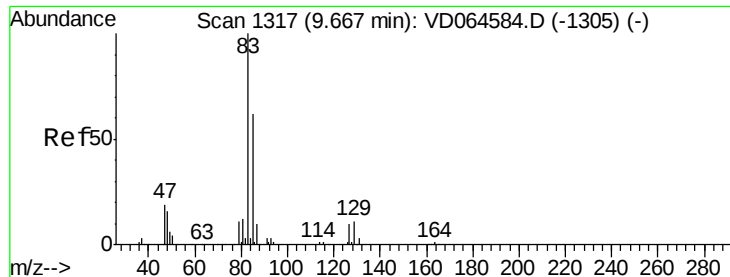


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.032 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

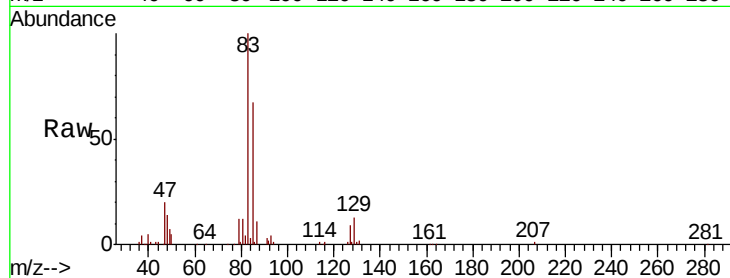
Tot Ion: 83 Resp: 125377

Ion Ratio Lower Upper

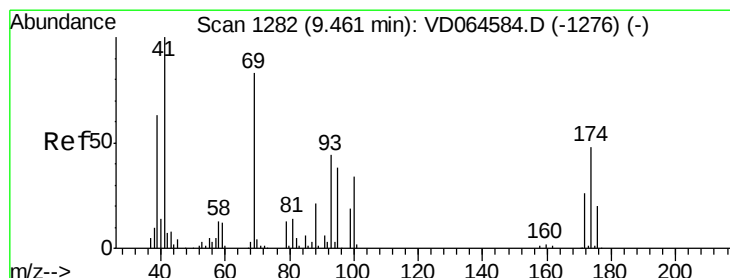
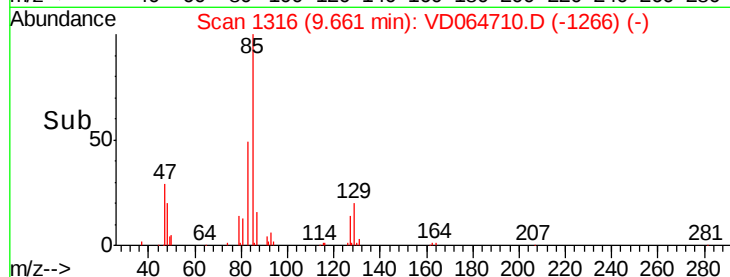
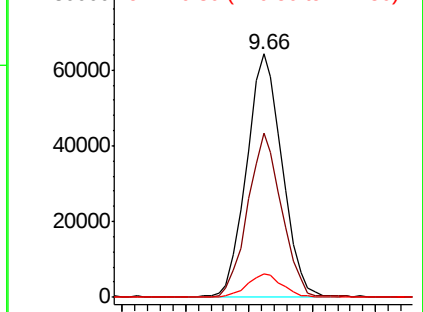
83 100

85 67.4 49.5 74.3

127 9.5 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.410 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

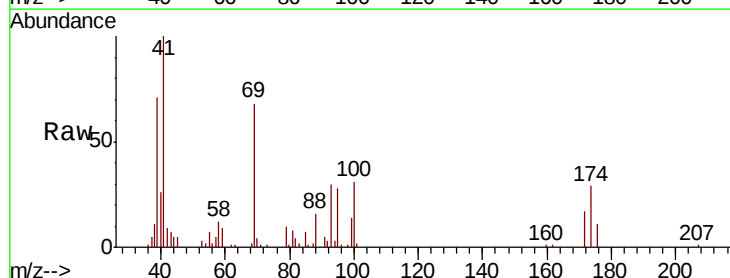
Tgt Ion: 41 Resp: 44224

Ion Ratio Lower Upper

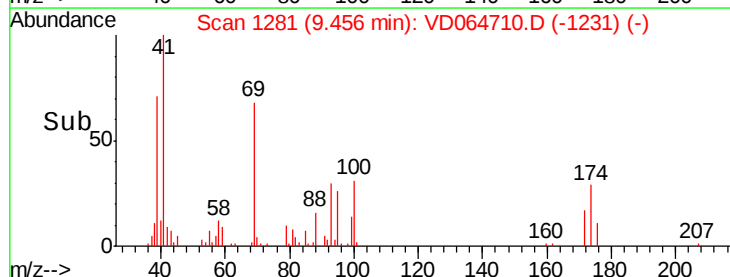
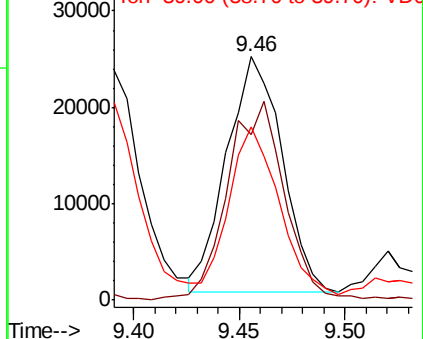
41 100

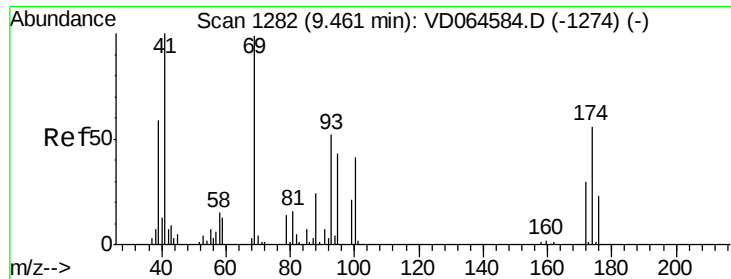
69 88.2 63.0 94.6

39 70.6 47.4 71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 413.796 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

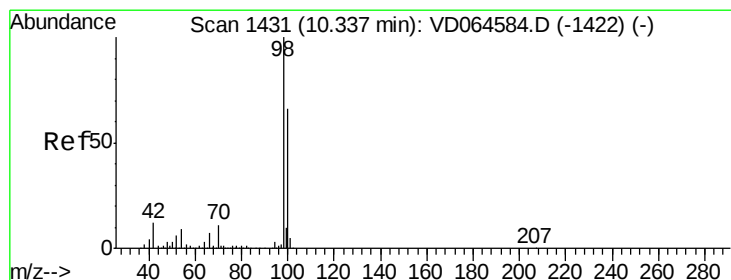
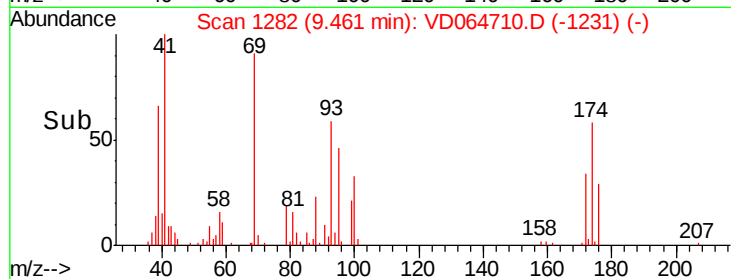
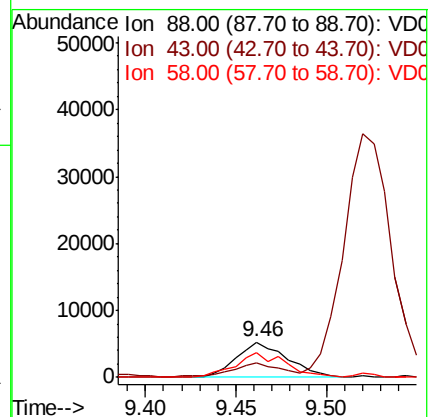
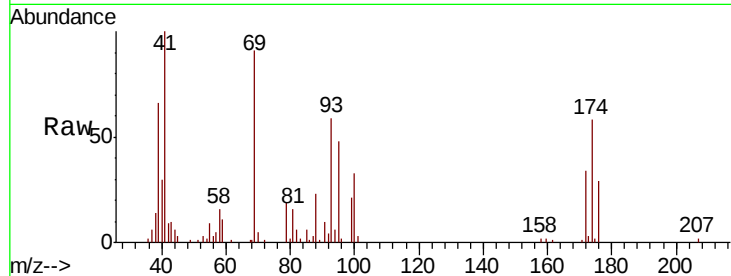
Tot Ion: 88 Resp: 10204

Ion Ratio Lower Upper

88 100

43 40.1 27.7 41.5

58 70.4 53.8 80.6



#50

Toluene-d8

Concen: 55.134 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064710.D

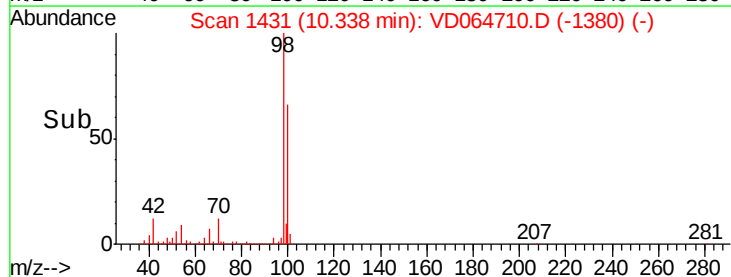
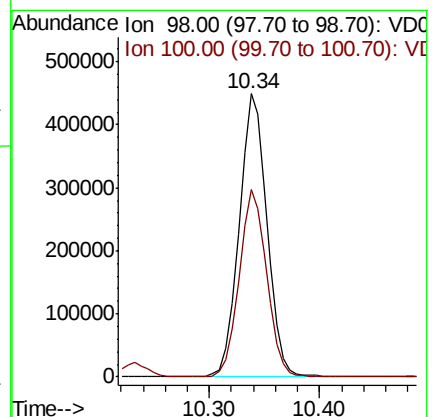
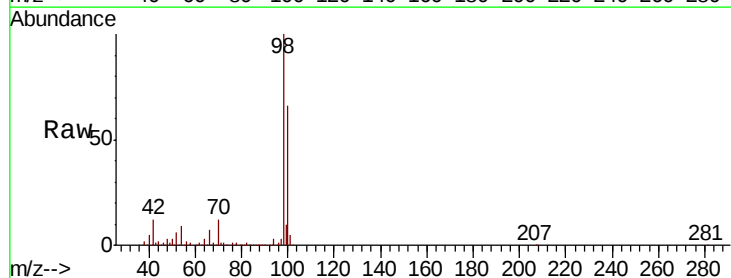
Acq: 02 Jan 2020 11:42

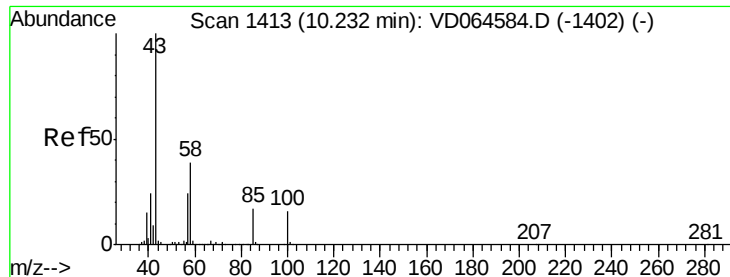
Tgt Ion: 98 Resp: 792102

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 102.143 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

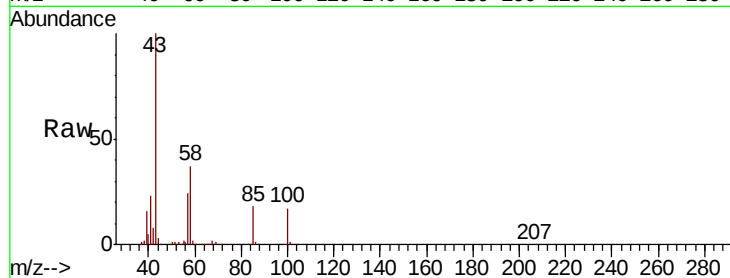
VD0102SBS01

Tot Ion: 43 Resp: 232326

Ion Ratio Lower Upper

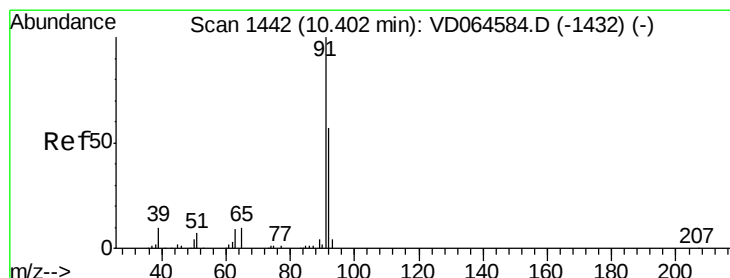
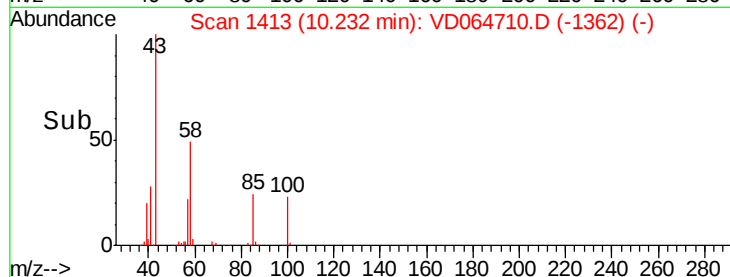
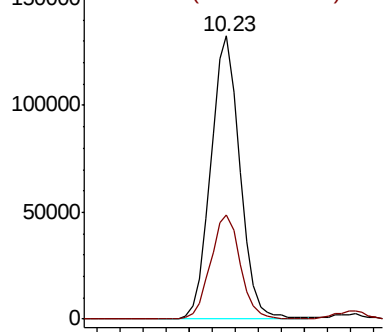
43 100

58 37.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.493 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064710.D

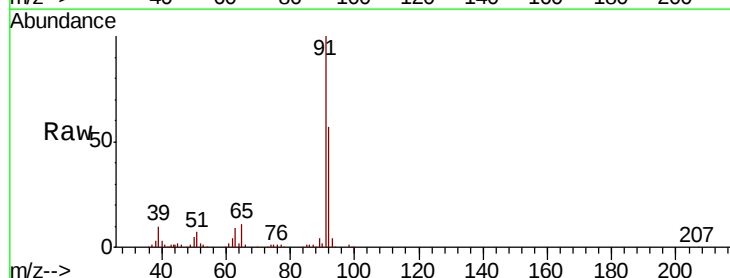
Acq: 02 Jan 2020 11:42

Tgt Ion: 92 Resp: 237081

Ion Ratio Lower Upper

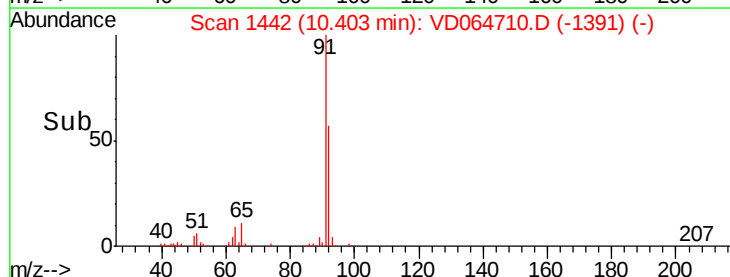
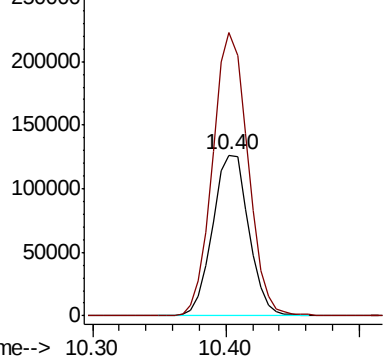
92 100

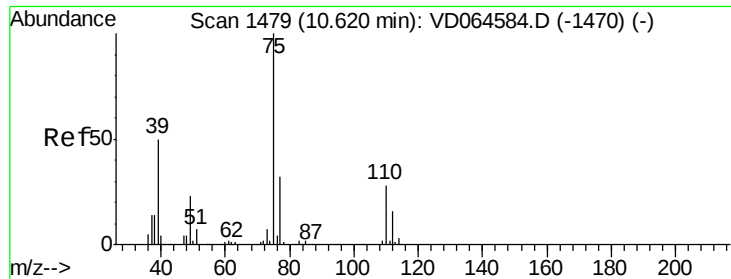
91 172.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.668 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

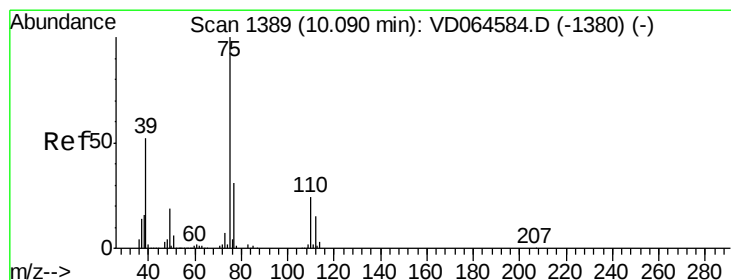
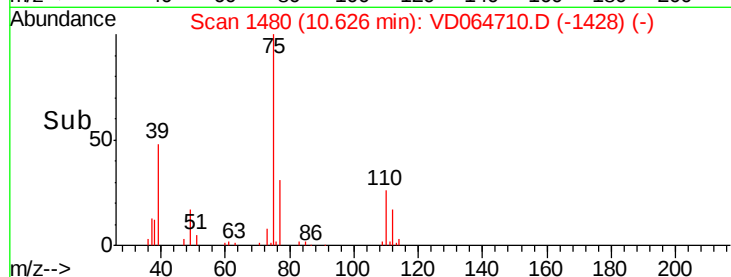
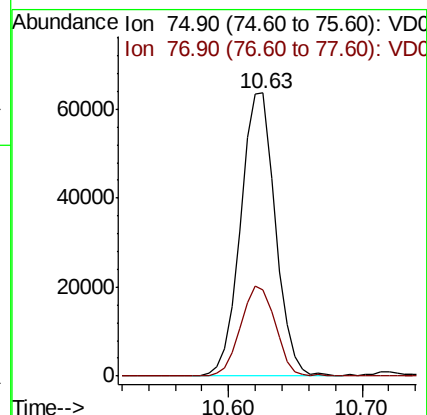
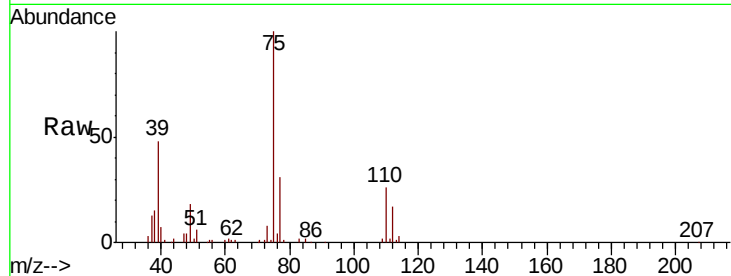
VD0102SBS01

Tot Ion: 75 Resp: 114959

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.544 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

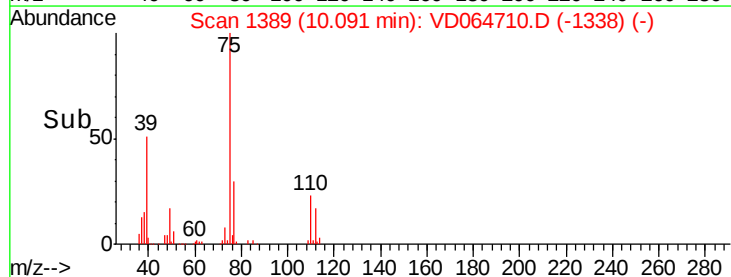
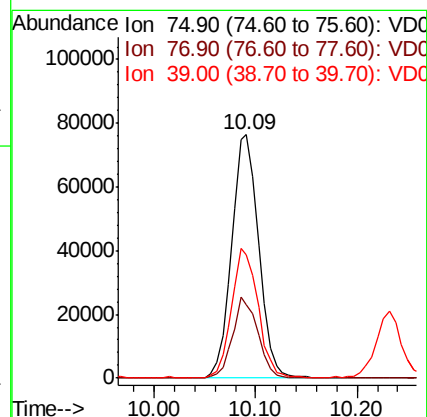
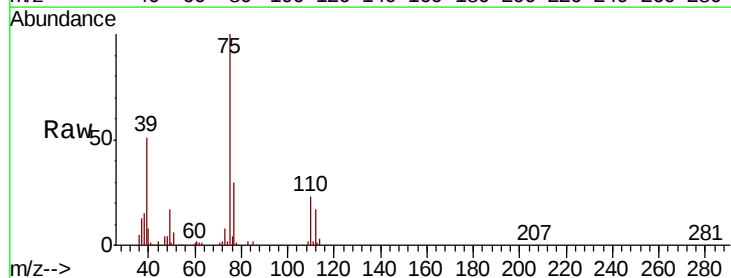
Tgt Ion: 75 Resp: 141038

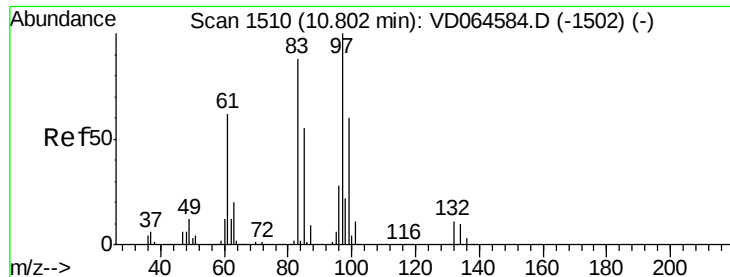
Ion Ratio Lower Upper

75 100

77 30.1 24.6 36.8

39 50.8 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.439 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 97 Resp: 61791

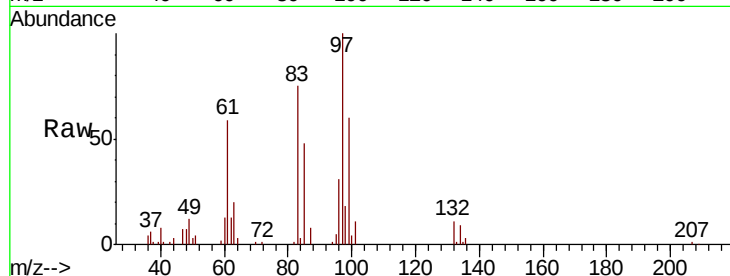
Ion Ratio Lower Upper

97 100

83 74.9 70.2 105.4

85 48.3 44.0 66.0

99 59.8 47.8 71.6

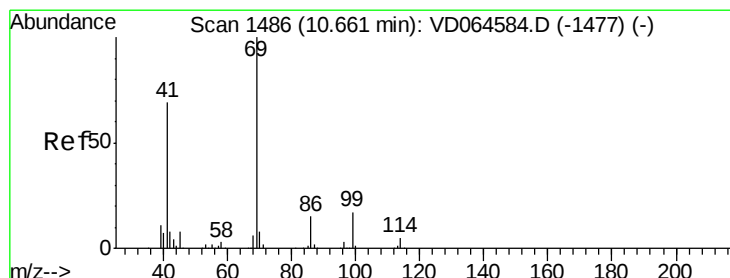
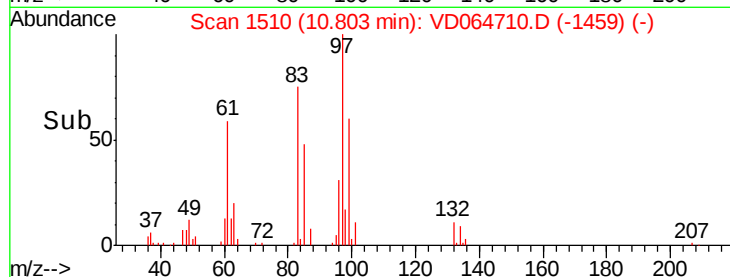
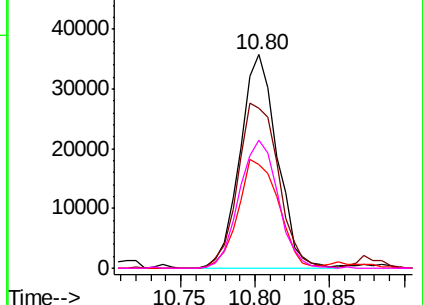


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.978 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

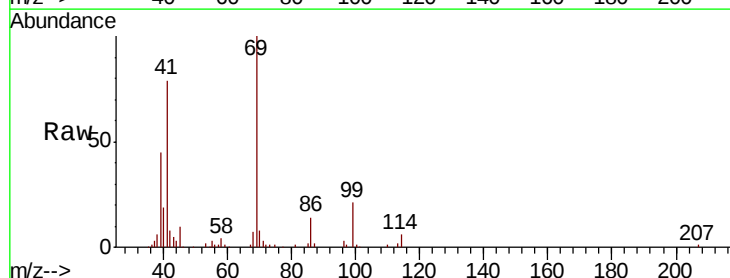
Tgt Ion: 69 Resp: 75509

Ion Ratio Lower Upper

69 100

41 69.3 55.3 82.9

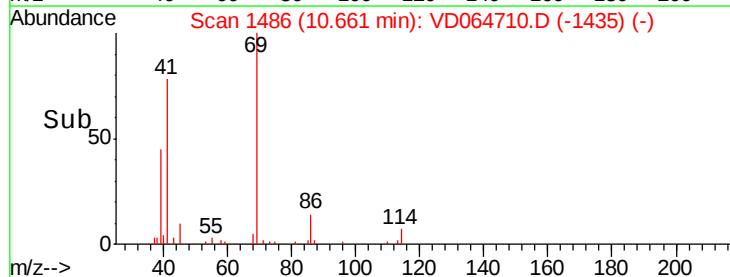
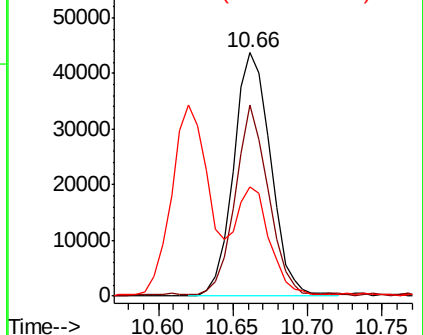
39 40.2 33.8 50.8

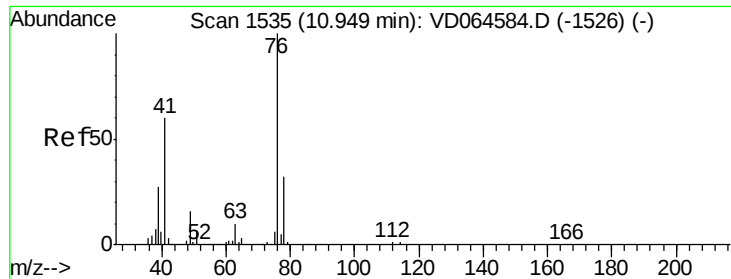


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

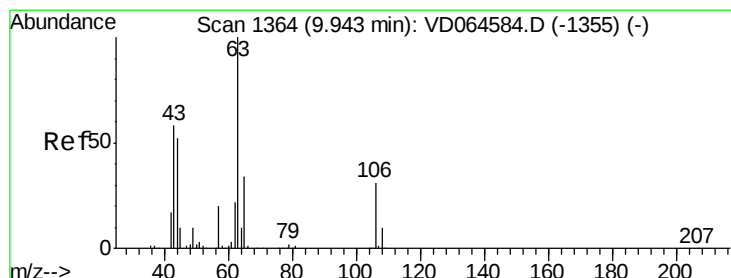
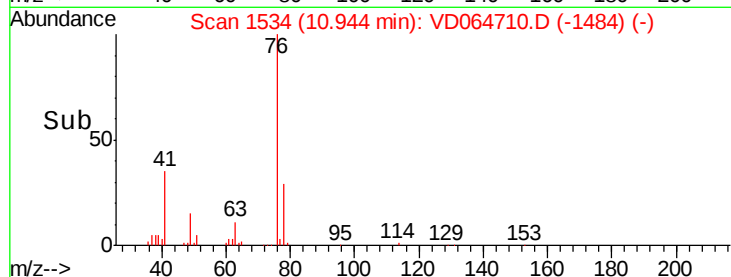
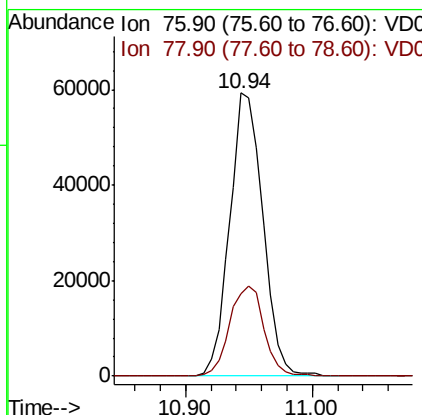
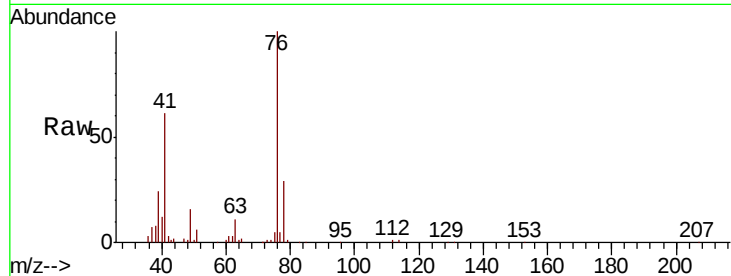




#57
 1,3-Dichloropropane
 Concen: 21.598 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

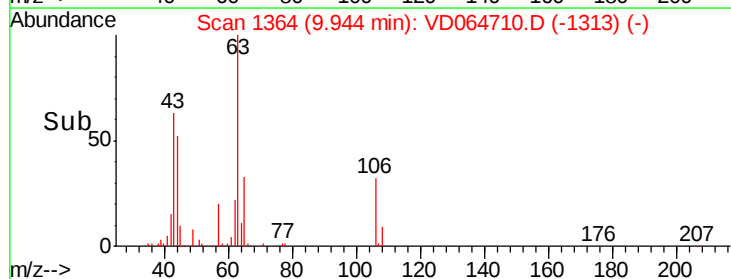
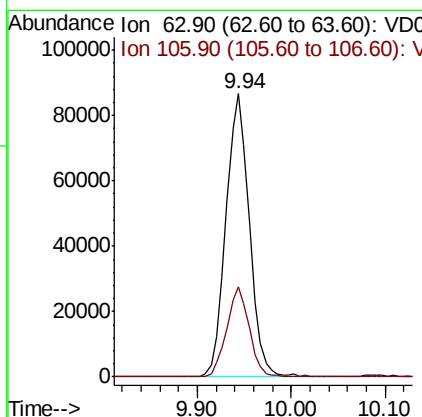
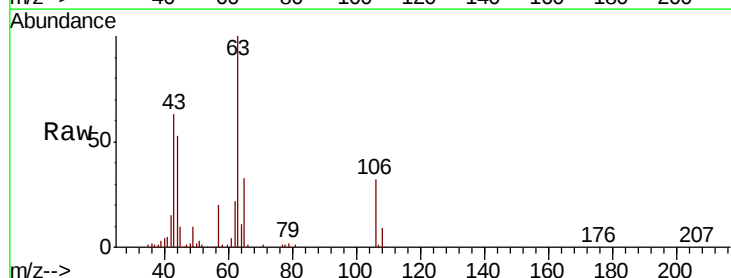
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

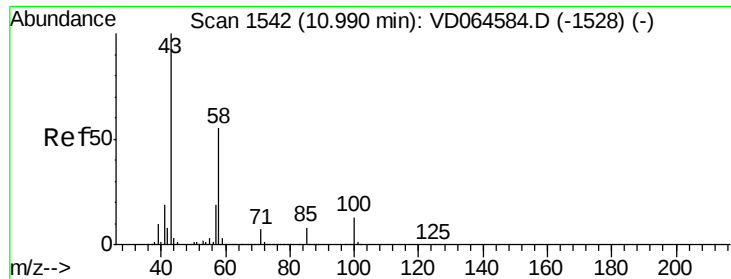
Tot Ion: 76 Resp: 107177
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.355 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion: 63 Resp: 149963
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.8 35.8

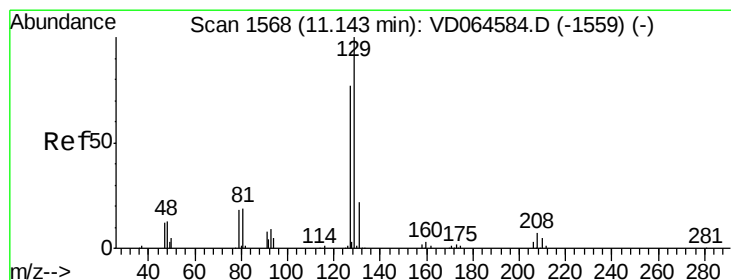
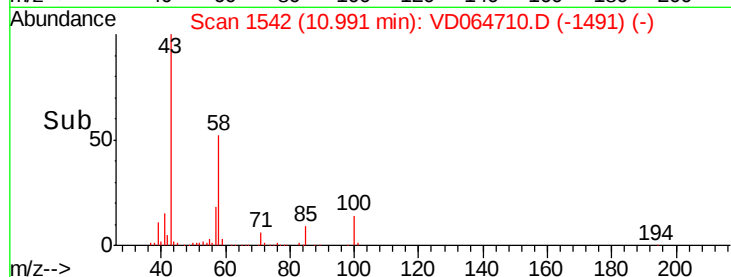
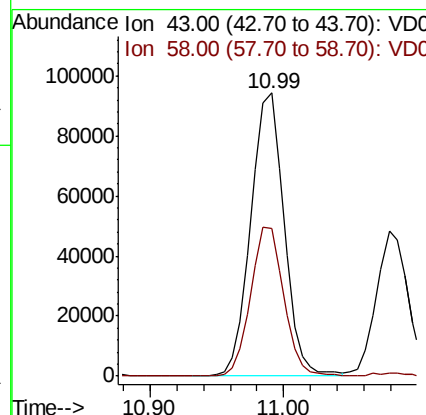
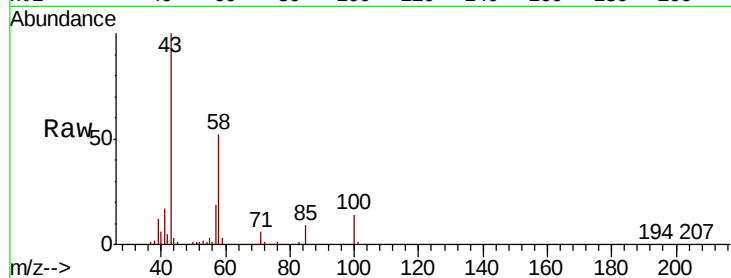




#59
2-Hexanone
Concen: 105.578 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

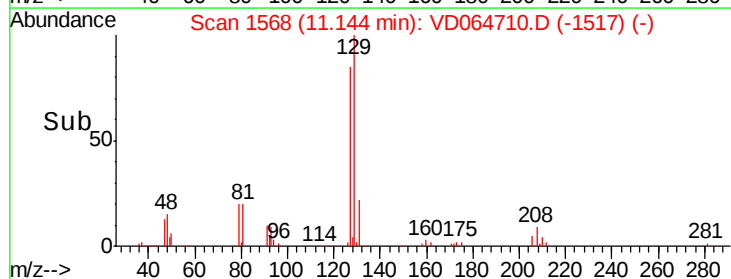
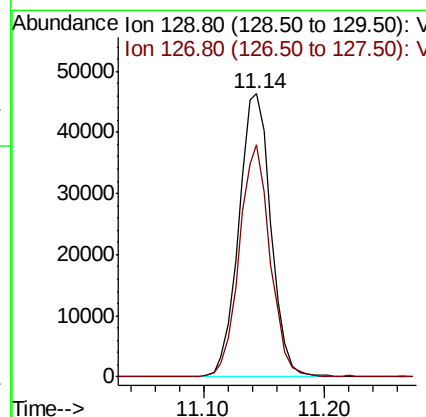
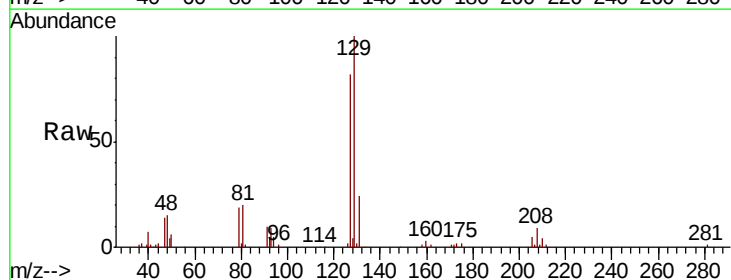
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

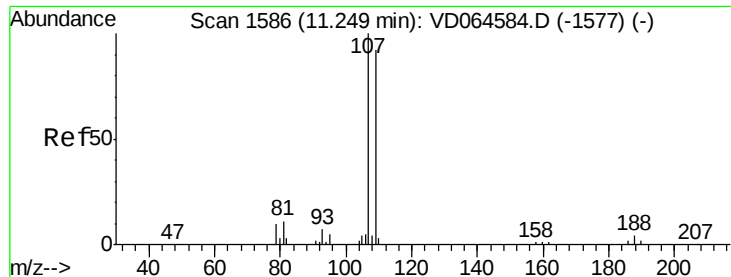
Tot Ion: 43 Resp: 162987
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0



#60
Dibromochloromethane
Concen: 21.546 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 129 Resp: 85873
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2

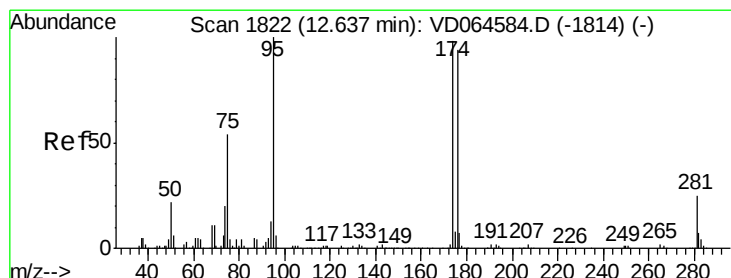
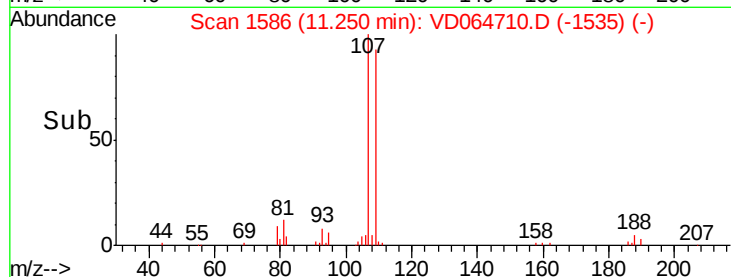
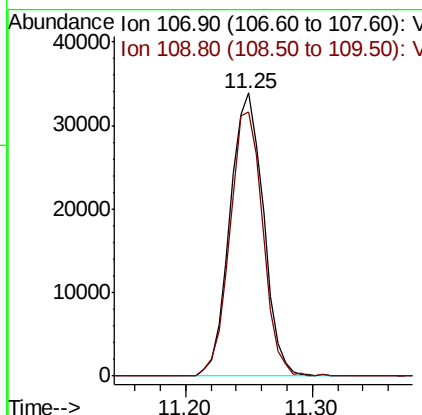
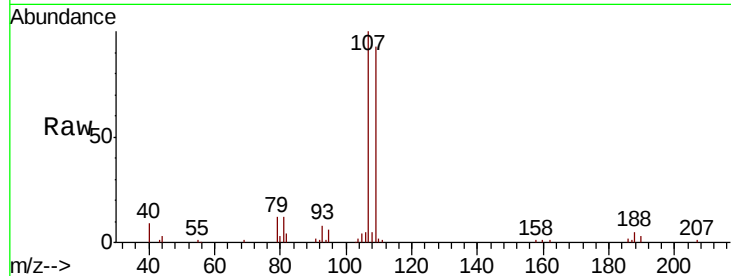




#61
 1,2-Dibromoethane
 Concen: 21.706 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

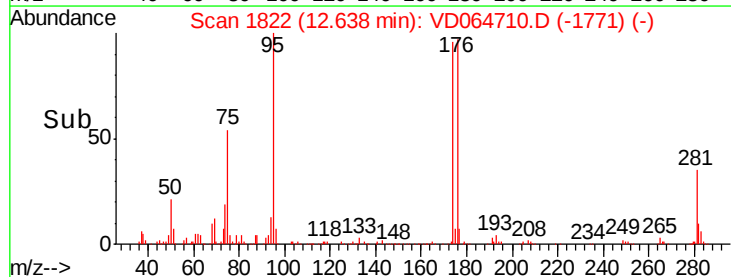
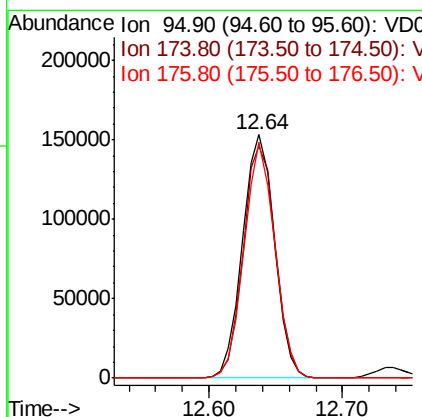
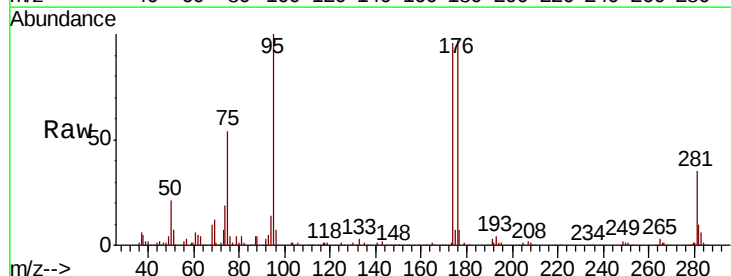
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

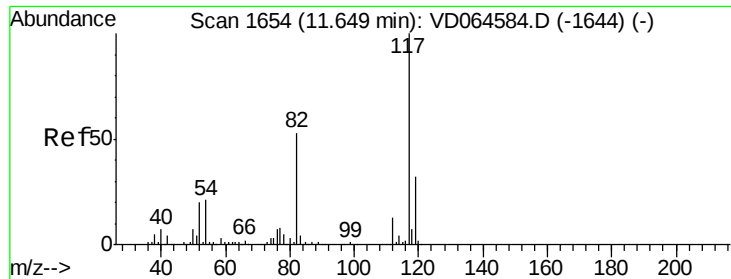
Tot Ion:107 Resp: 61702
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.711 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion: 95 Resp: 253089
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 193.2
 176 93.0 0.0 184.2

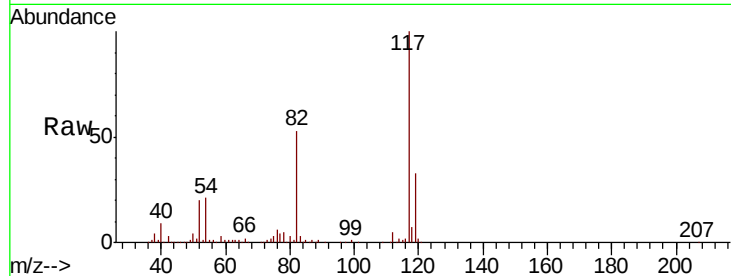




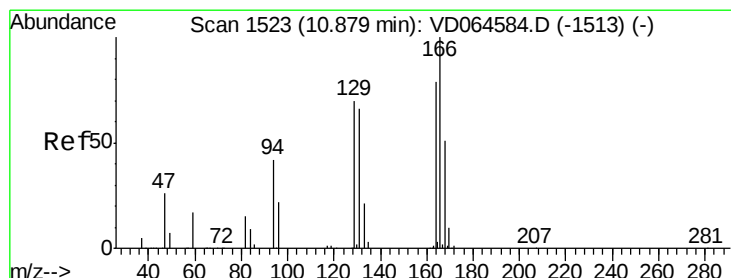
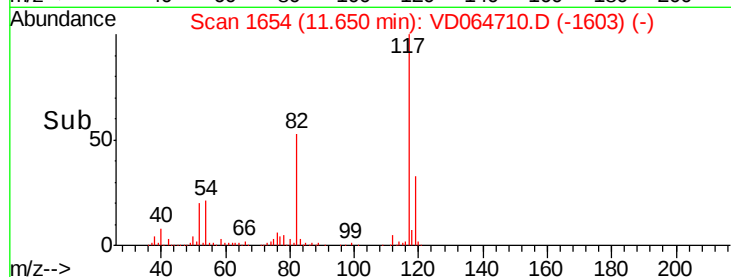
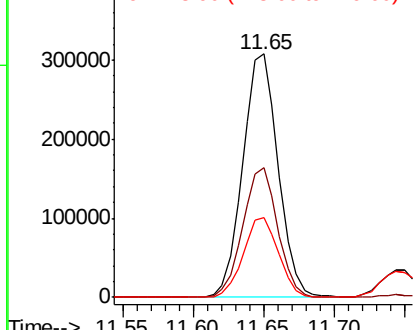
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion:117 Resp: 540390
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 32.8 26.0 39.0

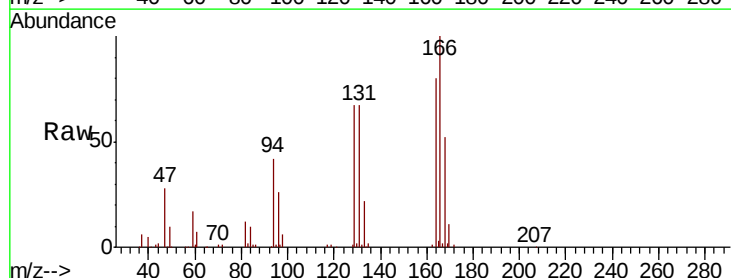


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

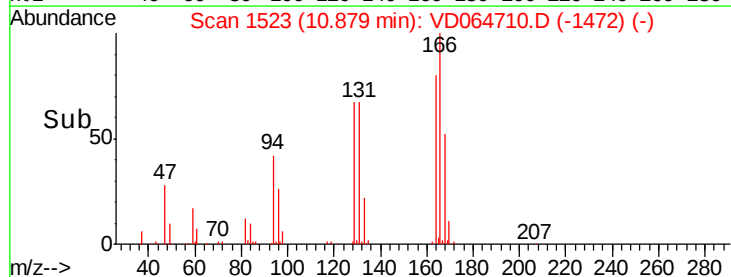
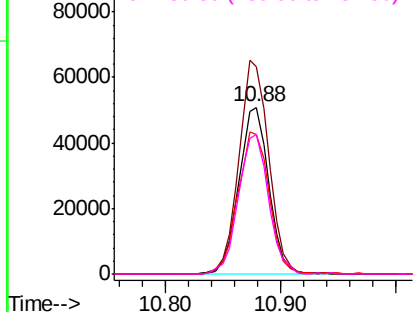


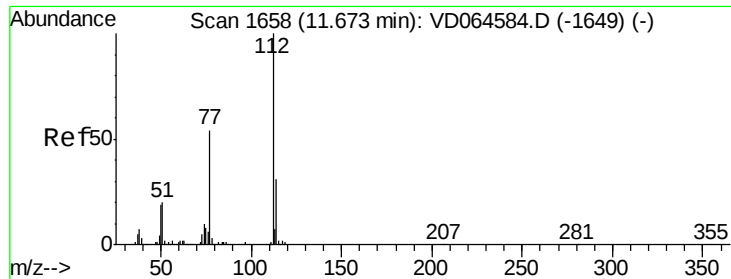
#64
Tetrachloroethene
Concen: 22.175 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion:164 Resp: 91932
Ion Ratio Lower Upper
164 100
166 124.6 101.3 151.9
129 83.8 70.5 105.7
131 83.7 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

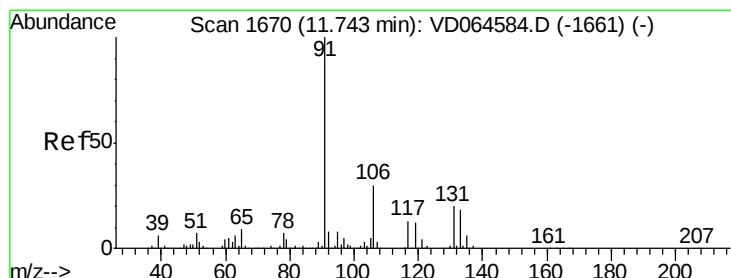
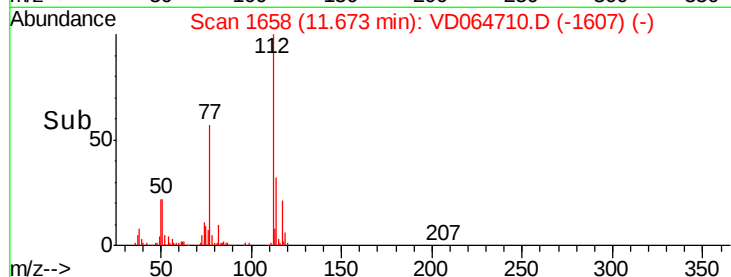
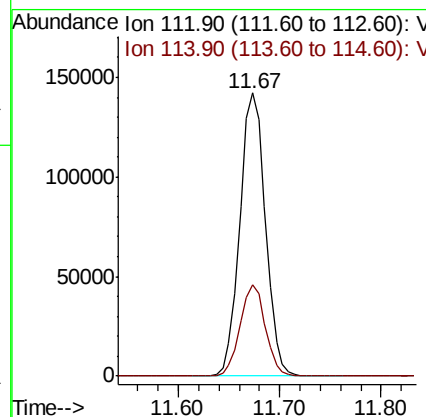
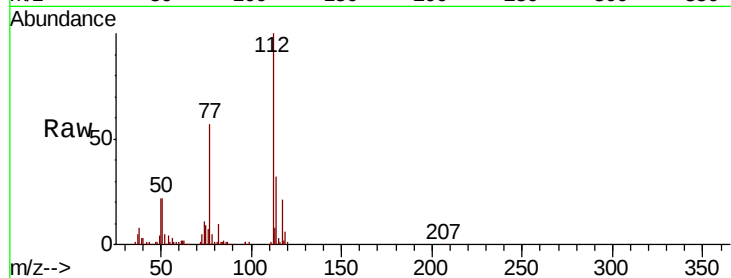




#65
Chlorobenzene
Concen: 22.259 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

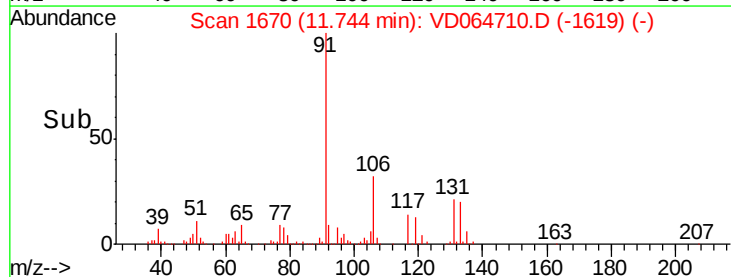
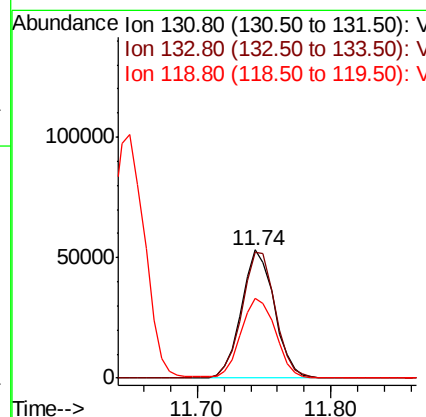
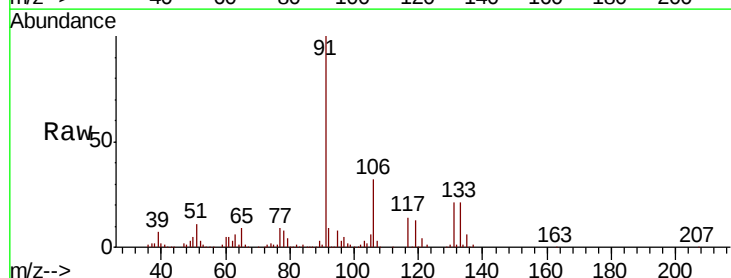
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

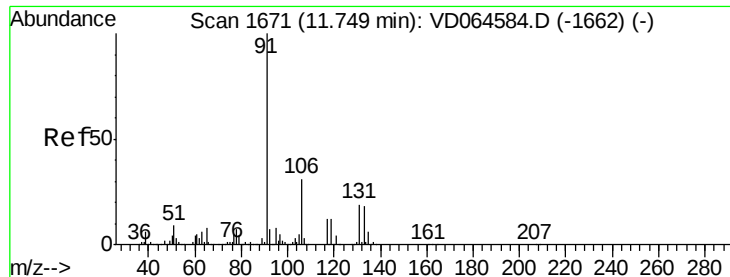
Tot Ion:112 Resp: 249652
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.514 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion:131 Resp: 90965
Ion Ratio Lower Upper
131 100
133 100.7 48.3 144.8
119 66.2 32.1 96.3

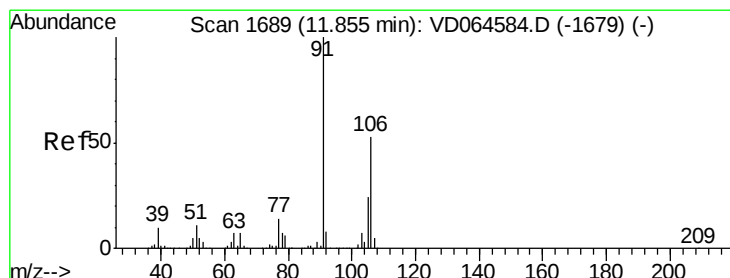
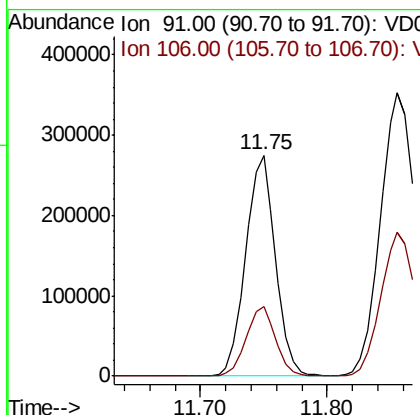
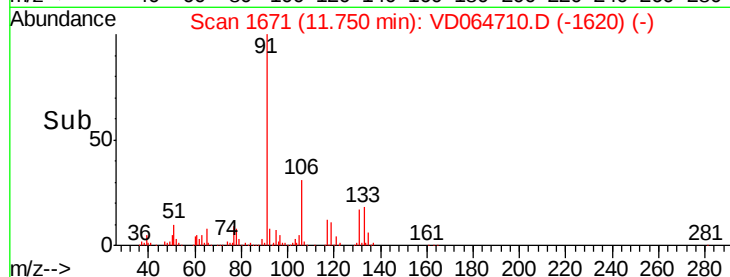
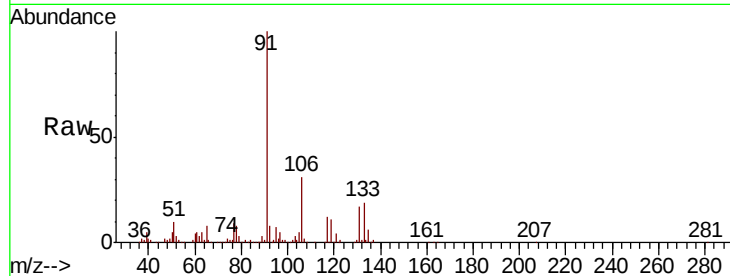




#67
Ethyl Benzene
Concen: 22.089 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

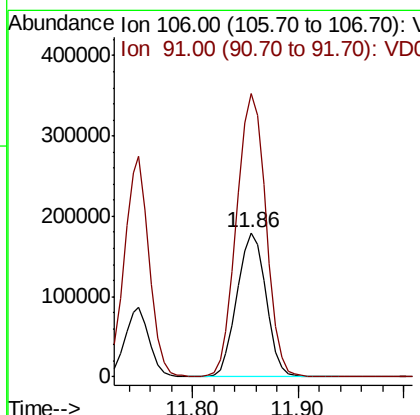
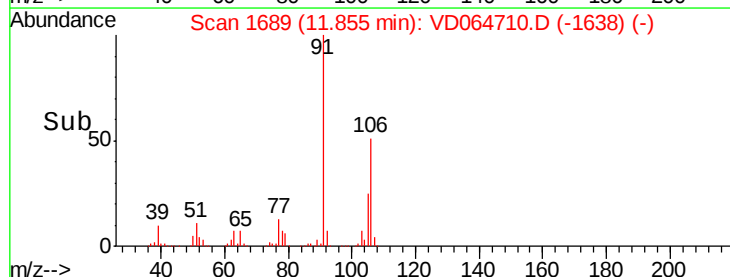
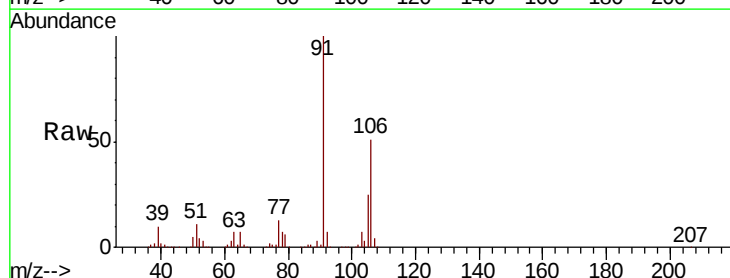
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

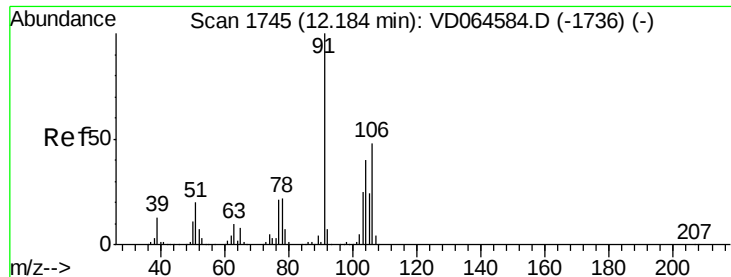
Tot Ion: 91 Resp: 449677
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 43.564 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 106 Resp: 342302
Ion Ratio Lower Upper
106 100
91 198.4 156.3 234.5

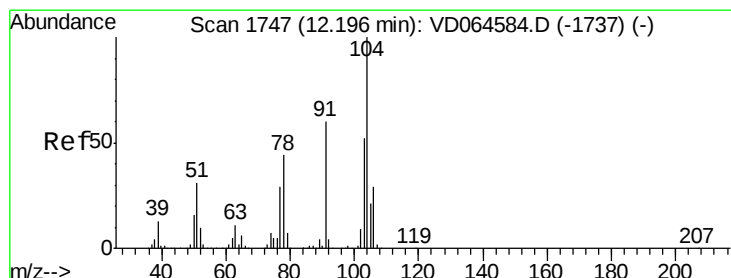
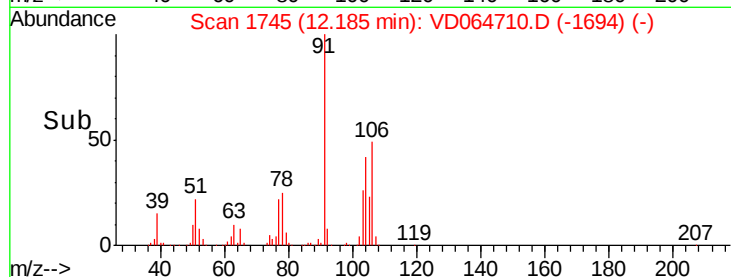
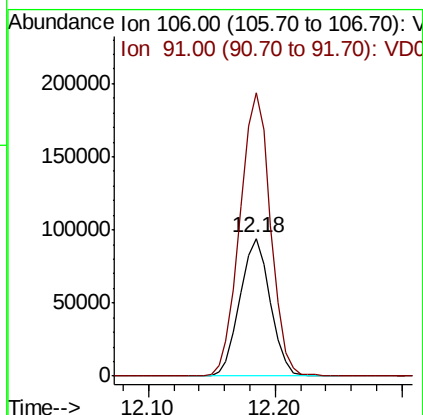
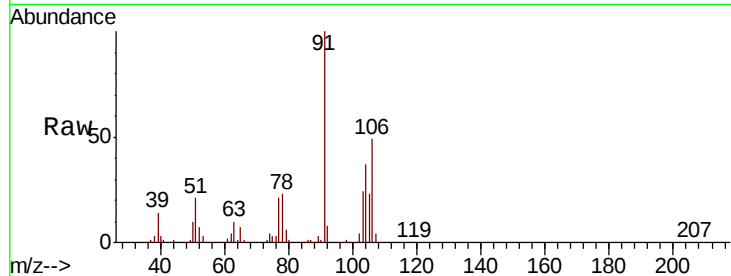




#69
o-Xylene
Concen: 22.091 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

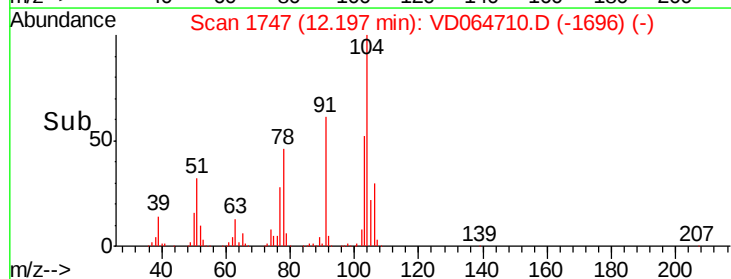
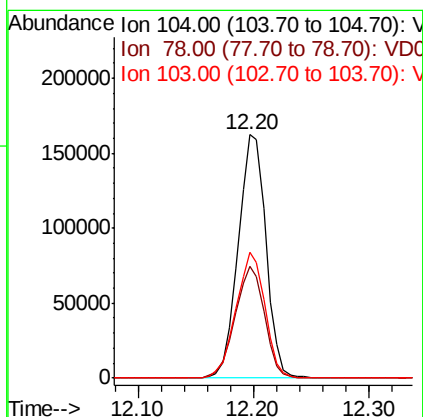
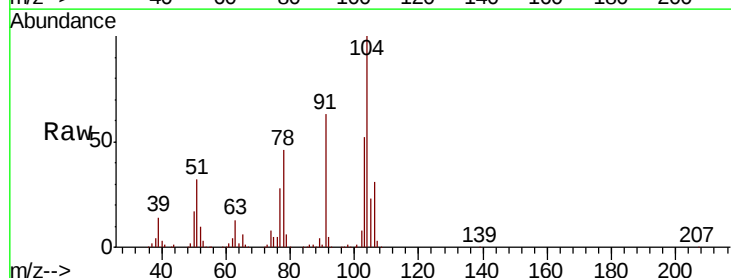
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

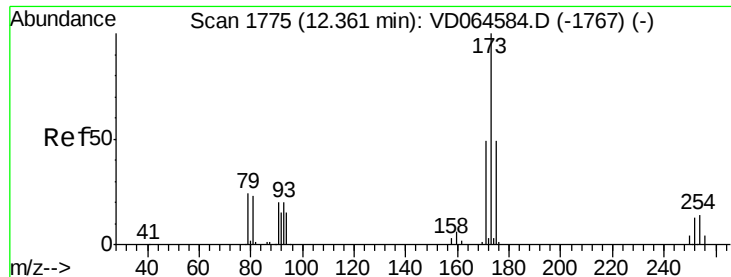
Tot Ion:106 Resp: 156785
Ion Ratio Lower Upper
106 100
91 207.2 104.8 314.4



#70
Styrene
Concen: 21.679 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion:104 Resp: 270070
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 54.4 44.6 67.0





#71

Bromoform

Concen: 21.626 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

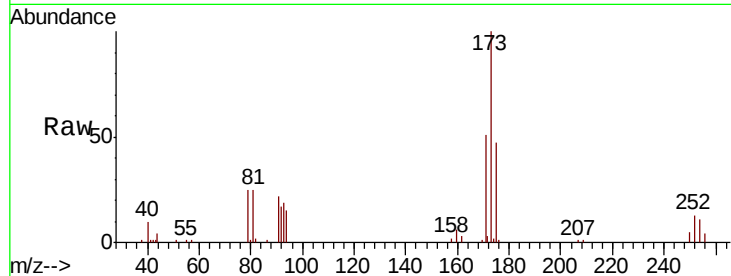
Tot Ion:173 Resp: 52144

Ion Ratio Lower Upper

173 100

175 46.4 24.6 73.8

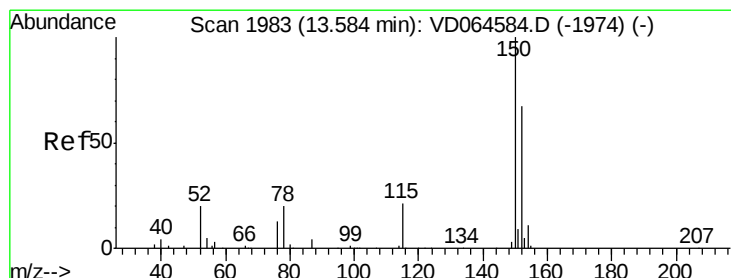
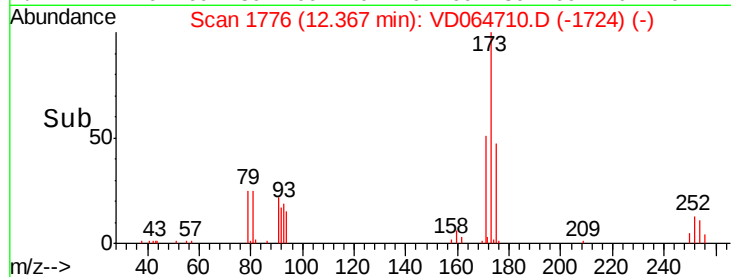
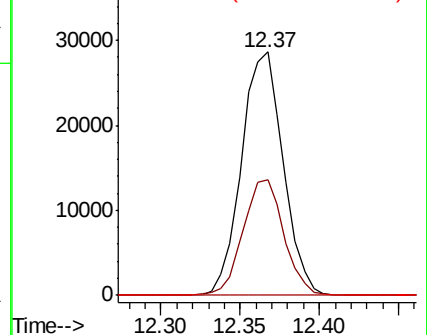
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

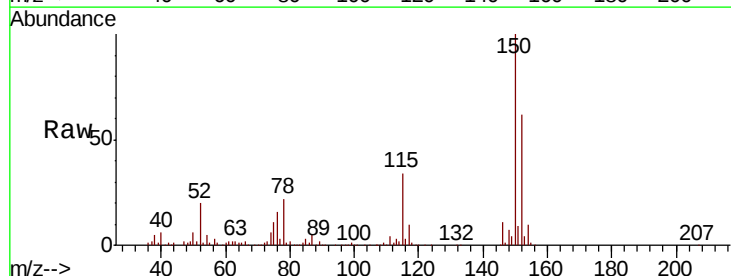
Tgt Ion:152 Resp: 265492

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

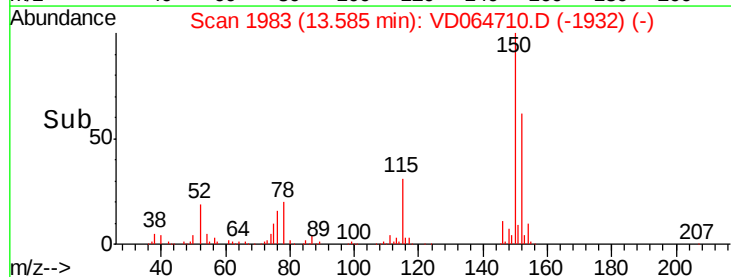
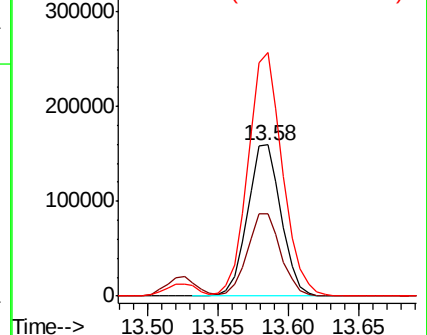
150 165.2 0.0 351.4

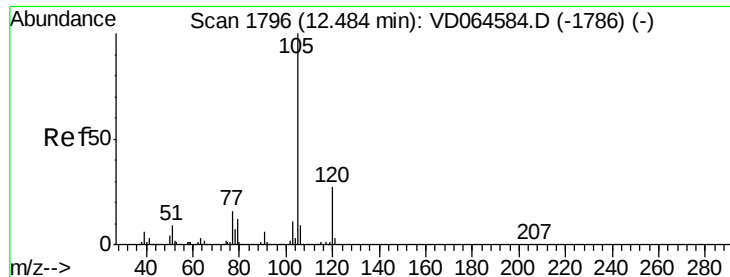


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.797 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

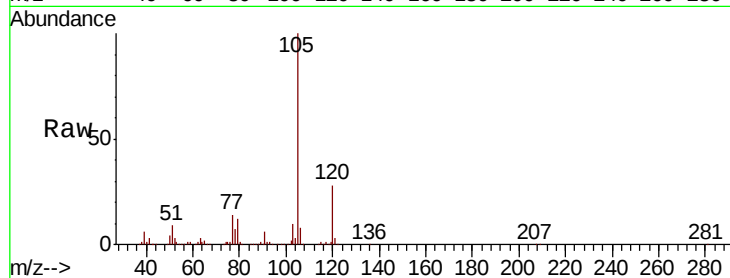
VD0102SBS01

Tot Ion:105 Resp: 432522

Ion Ratio Lower Upper

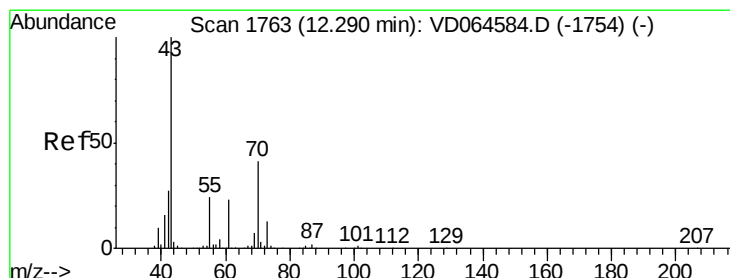
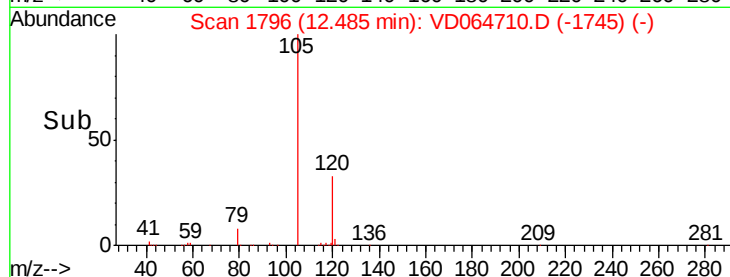
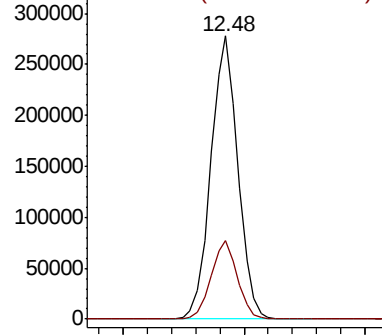
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.056 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion: 43 Resp: 85398

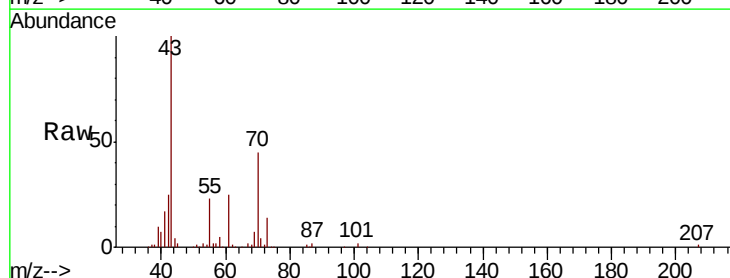
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 23.6 19.4 29.0

61 23.6 18.3 27.5

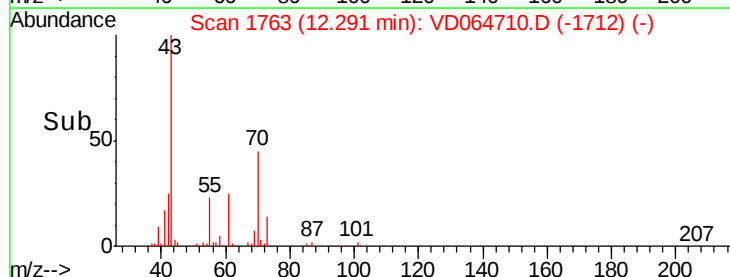
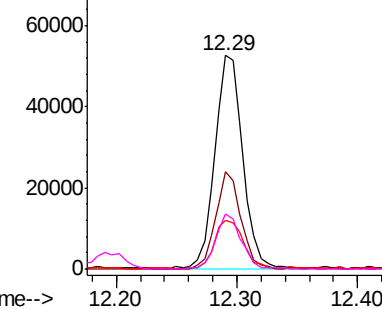


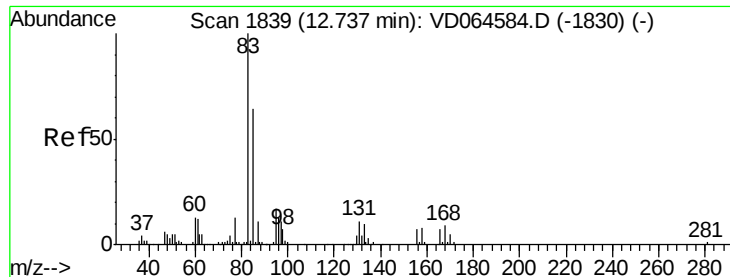
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.654 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

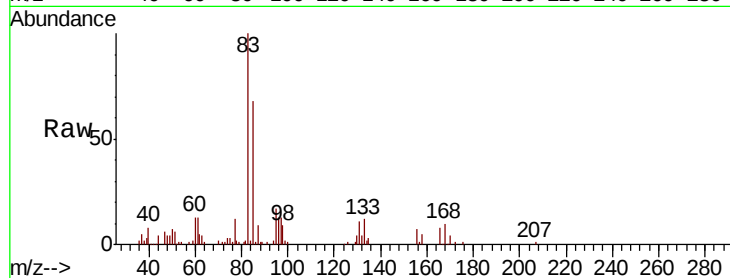
Tot Ion: 83 Resp: 64538

Ion Ratio Lower Upper

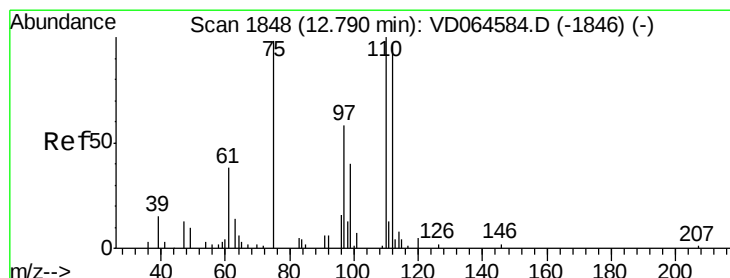
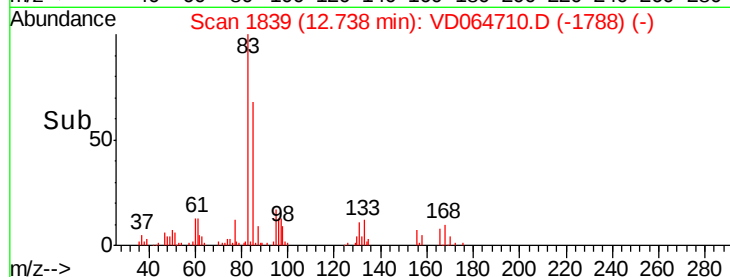
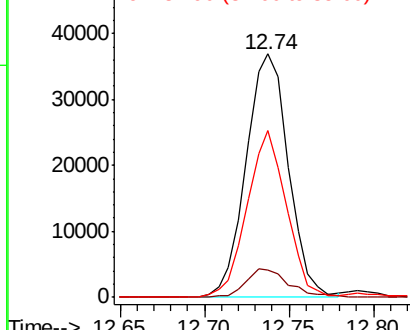
83 100

131 11.8 5.8 17.4

85 63.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.697 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064710.D

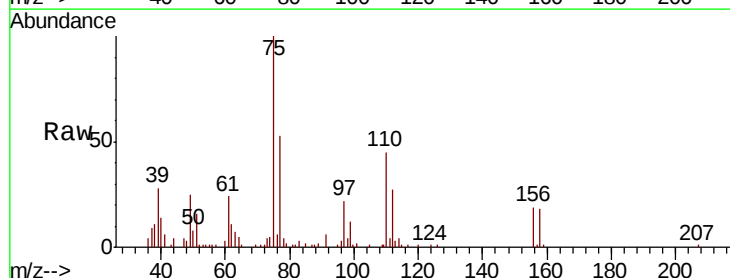
Acq: 02 Jan 2020 11:42

Tgt Ion: 75 Resp: 85321

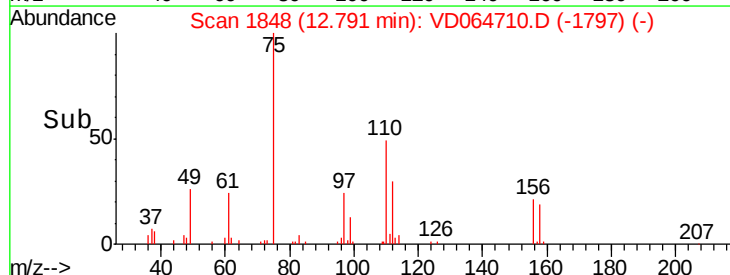
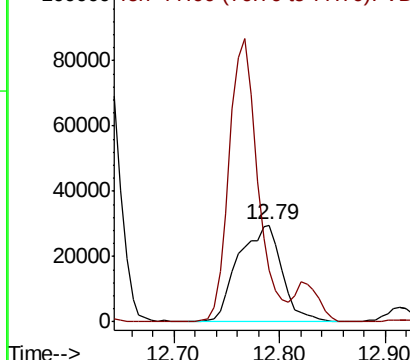
Ion Ratio Lower Upper

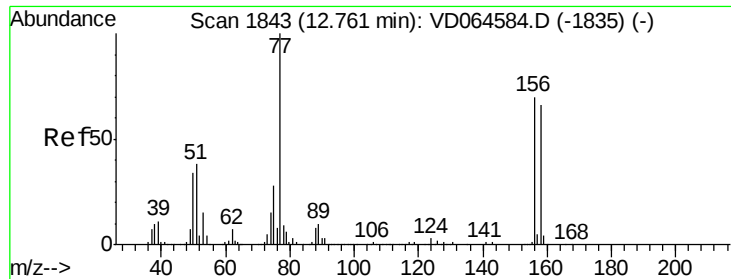
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

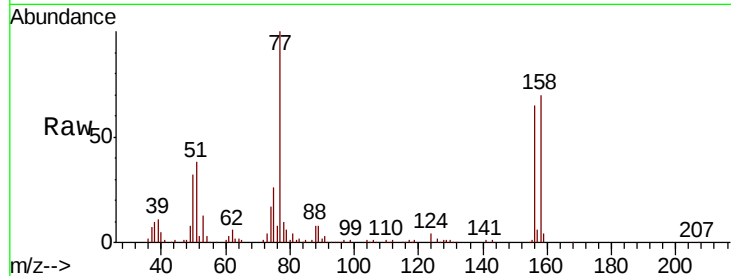
Tot Ion:156 Resp: 100981

Ion Ratio Lower Upper

156 100

77 162.0 80.9 242.7

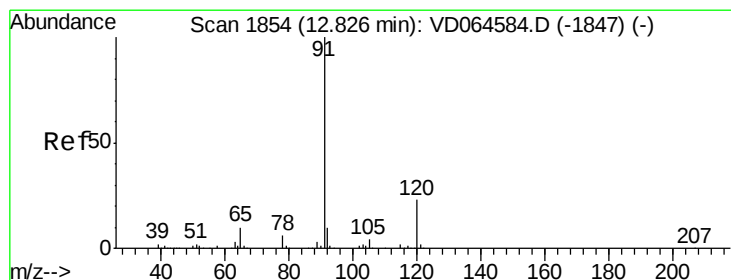
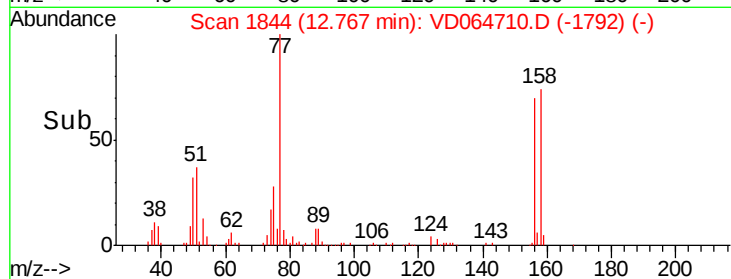
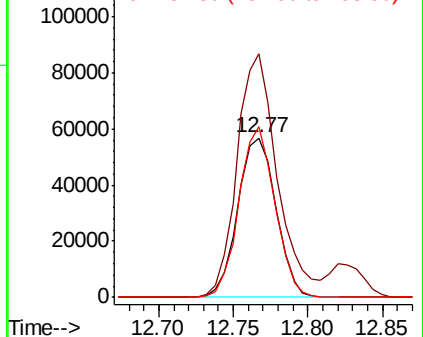
158 100.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.798 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064710.D

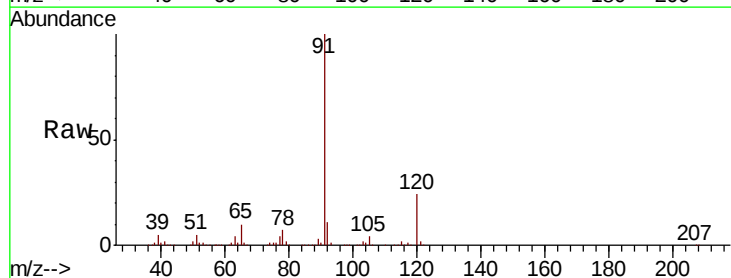
Acq: 02 Jan 2020 11:42

Tgt Ion: 91 Resp: 504614

Ion Ratio Lower Upper

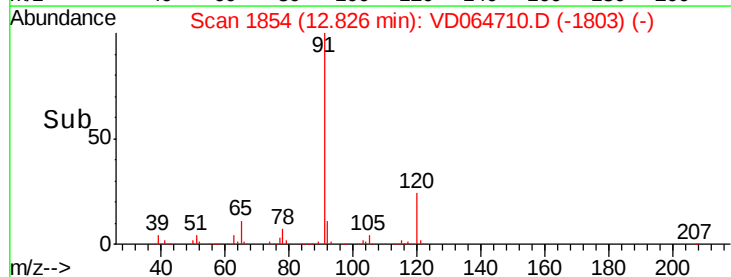
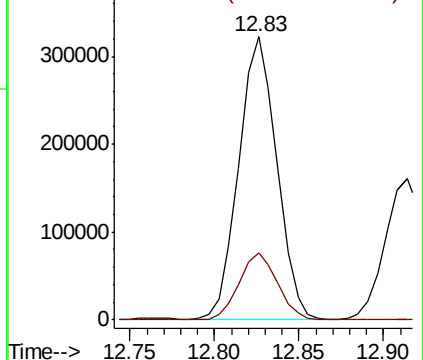
91 100

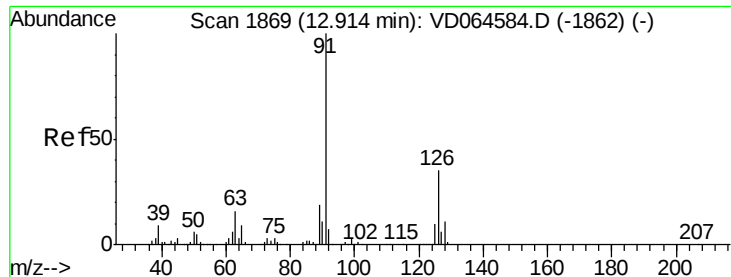
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.224 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

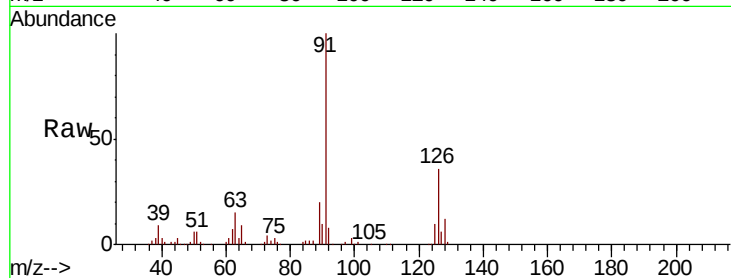
VD0102SBS01

Tot Ion: 91 Resp: 270223

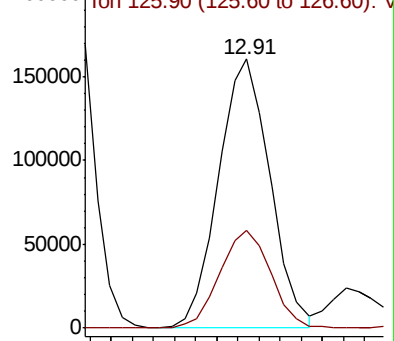
Ion Ratio Lower Upper

91 100

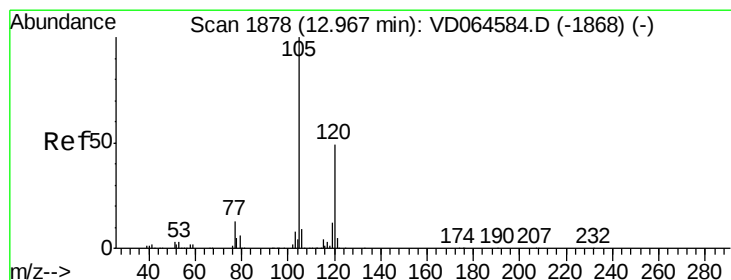
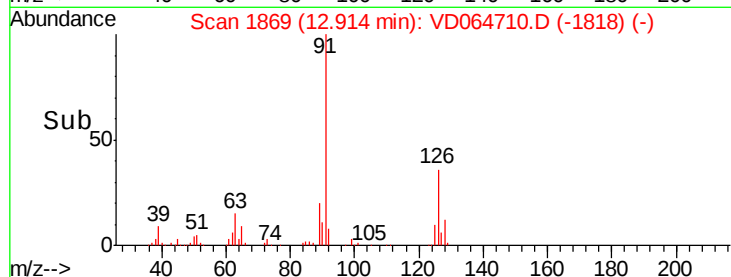
126 36.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064710.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.835 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064710.D

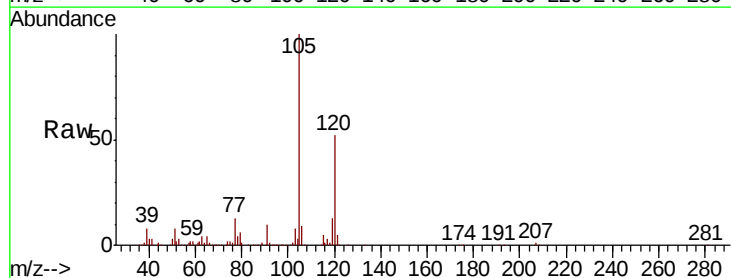
Acq: 02 Jan 2020 11:42

Tgt Ion: 105 Resp: 355889

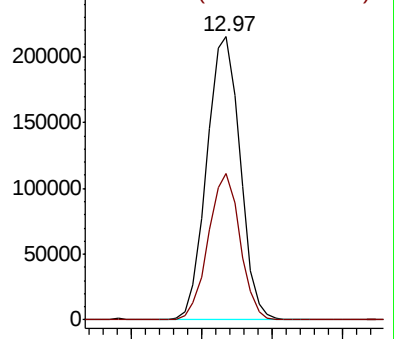
Ion Ratio Lower Upper

105 100

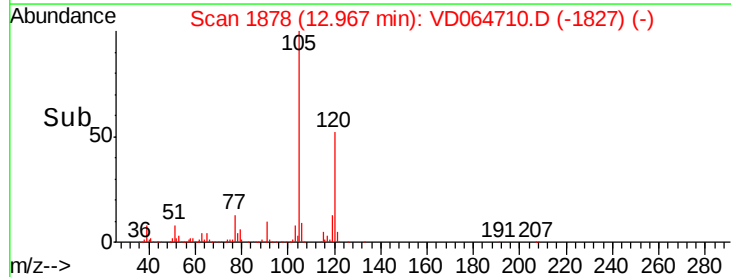
120 49.4 25.0 75.0

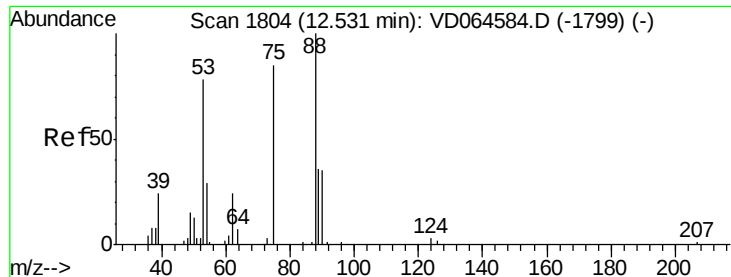


Abundance Ion 105.00 (104.70 to 105.70): VD064710.D (-1827) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.562 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

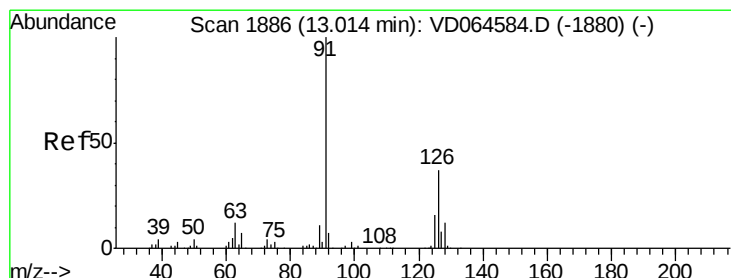
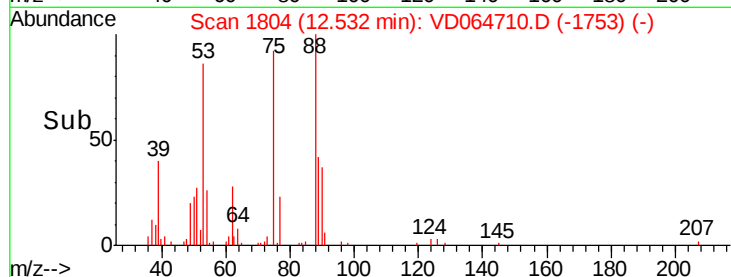
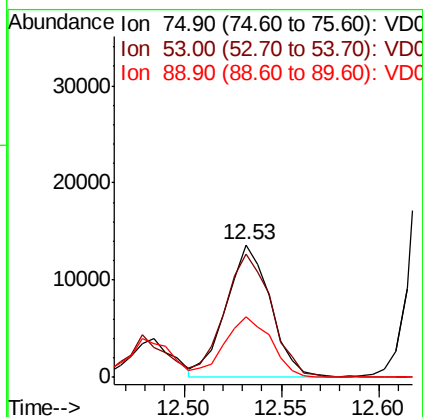
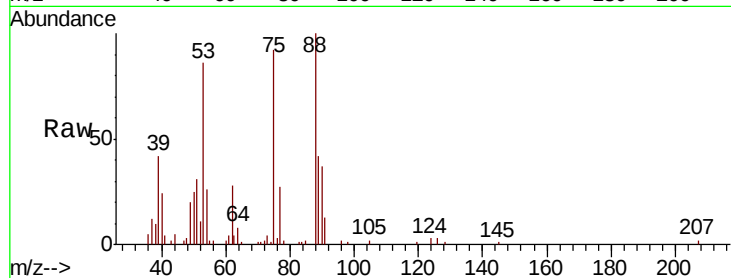
Tot Ion: 75 Resp: 21614

Ion Ratio Lower Upper

75 100

53 98.0 78.8 118.2

89 48.0 38.3 57.5



#82

4-Chlorotoluene

Concen: 22.241 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064710.D

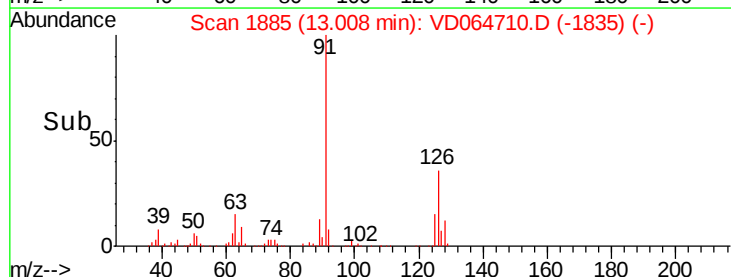
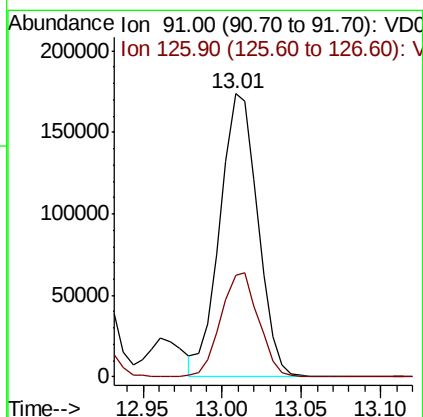
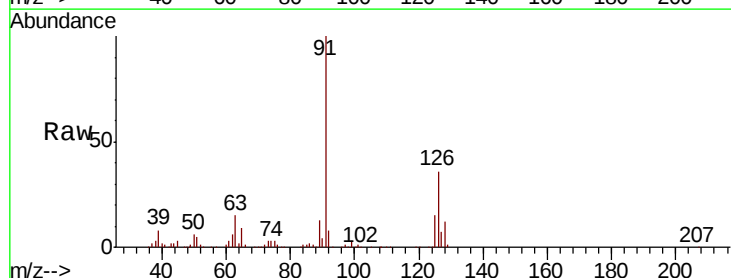
Acq: 02 Jan 2020 11:42

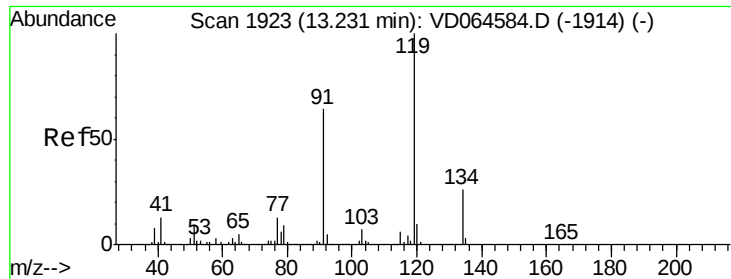
Tgt Ion: 91 Resp: 287786

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5

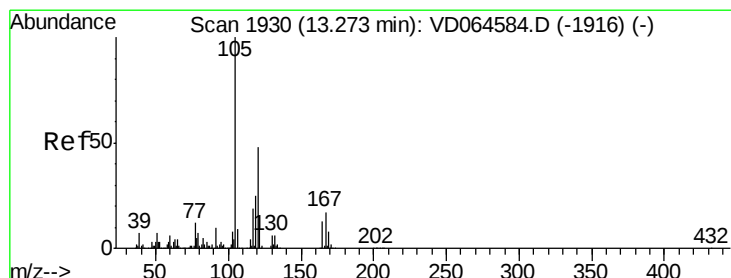
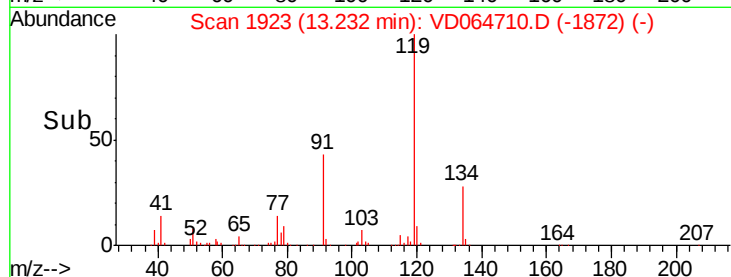
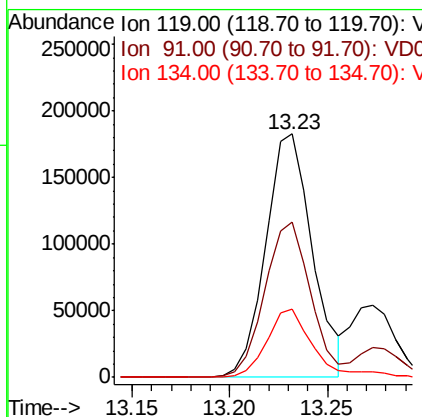
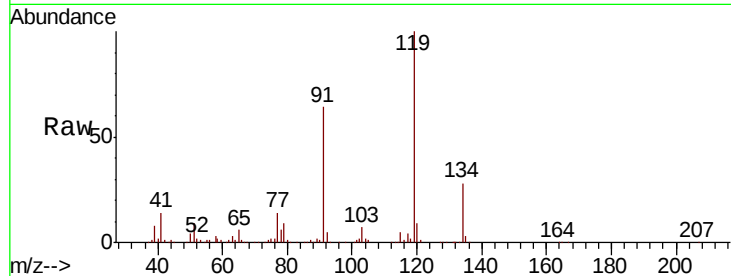




#83
tert-Butylbenzene
Concen: 22.418 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

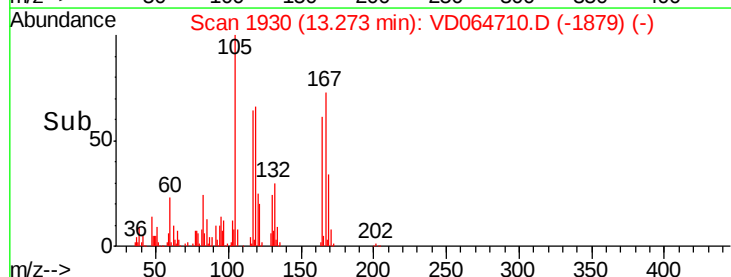
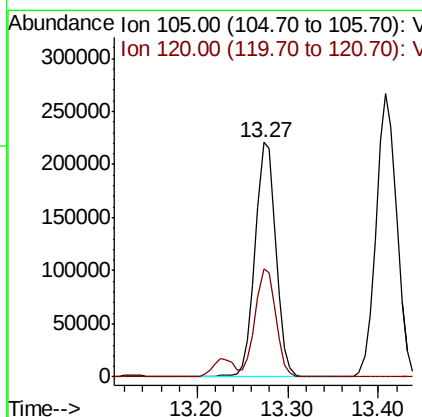
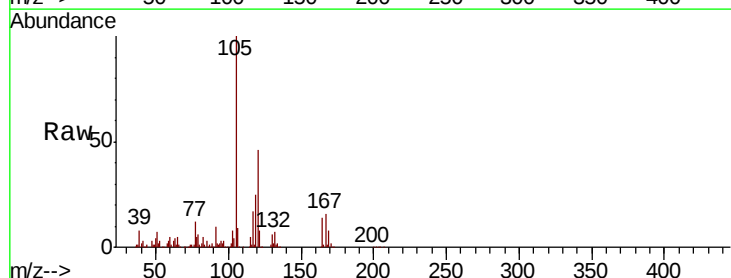
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

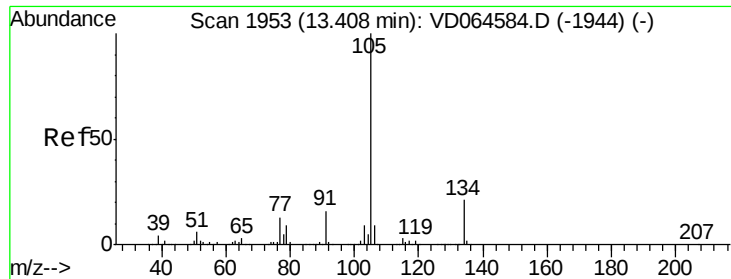
Tot Ion:119 Resp: 303362
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 28.2 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 22.640 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion:105 Resp: 351407
Ion Ratio Lower Upper
105 100
120 45.4 23.8 71.2





#85

sec-Butylbenzene

Concen: 22.566 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

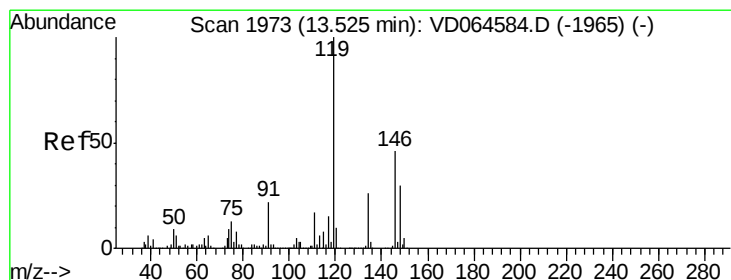
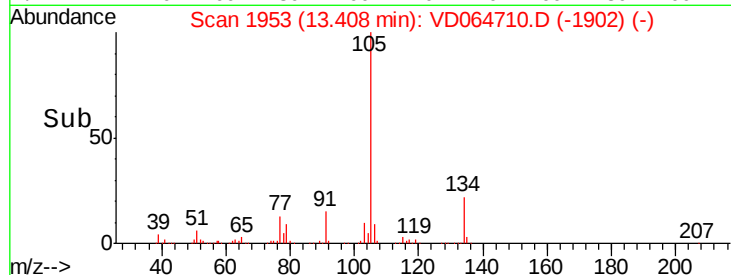
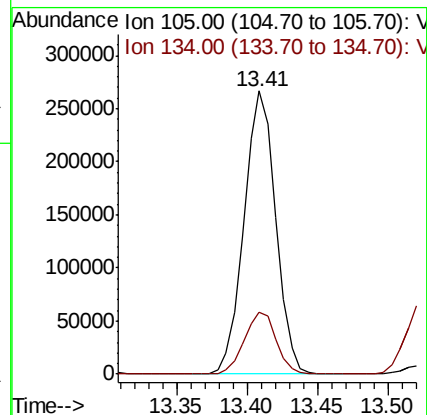
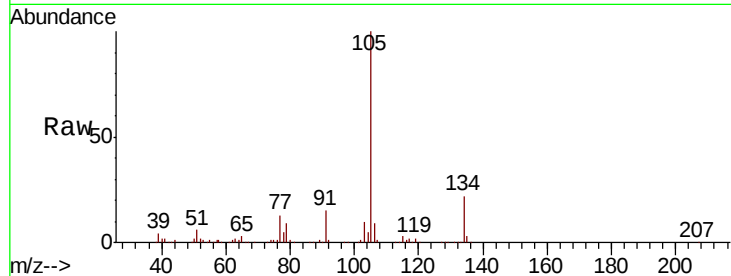
VD0102SBS01

Tot Ion:105 Resp: 418620

Ion Ratio Lower Upper

105 100

134 22.1 10.6 31.8



#86

p-Isopropyltoluene

Concen: 22.380 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

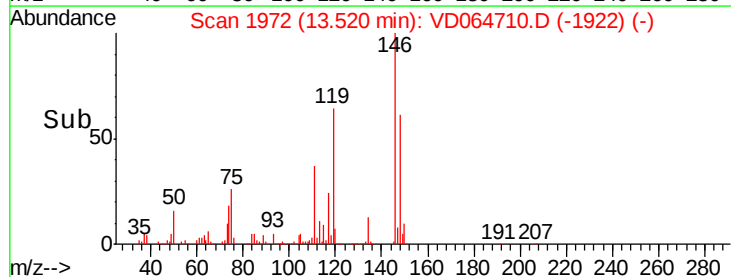
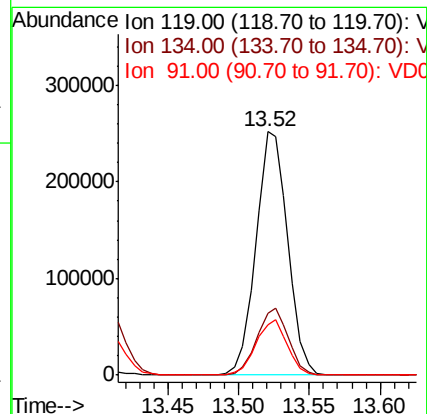
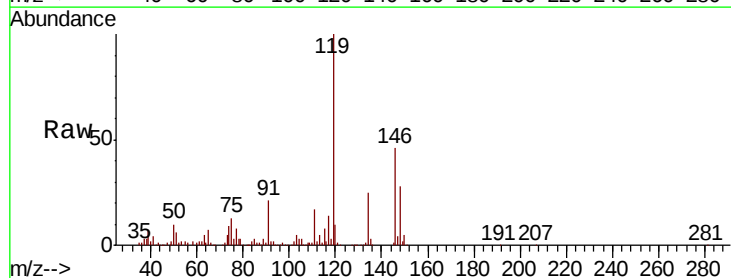
Tgt Ion:119 Resp: 396985

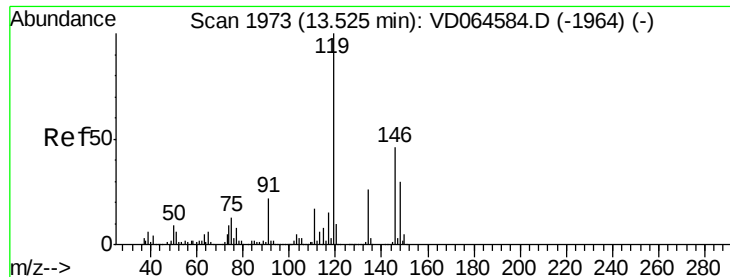
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.6 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.881 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

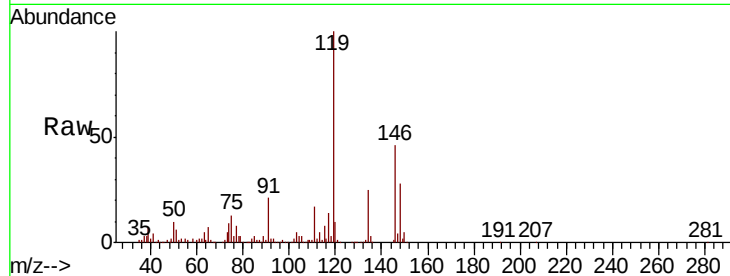
Tot Ion:146 Resp: 194455

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.4

148 64.3 32.5 97.5

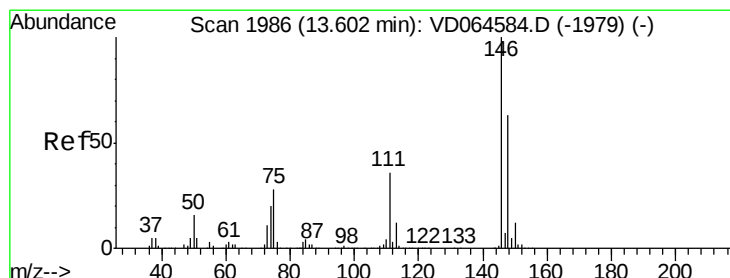
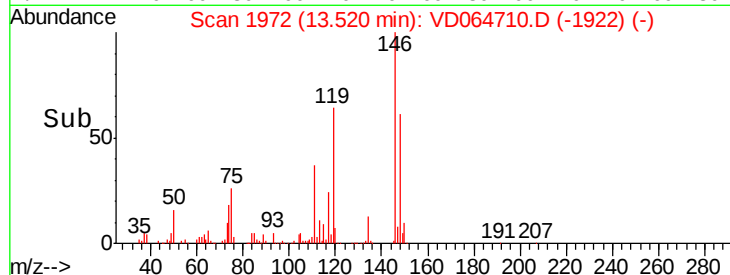
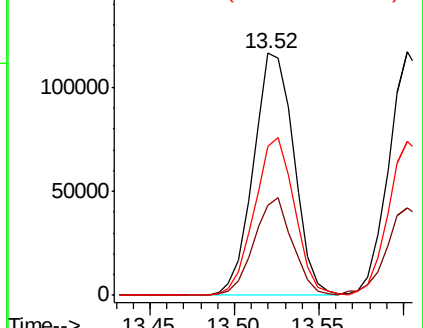


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.151 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

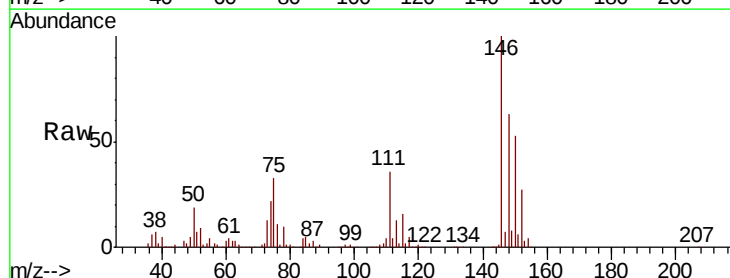
Tgt Ion:146 Resp: 193387

Ion Ratio Lower Upper

146 100

111 37.8 18.1 54.1

148 64.0 32.3 96.9

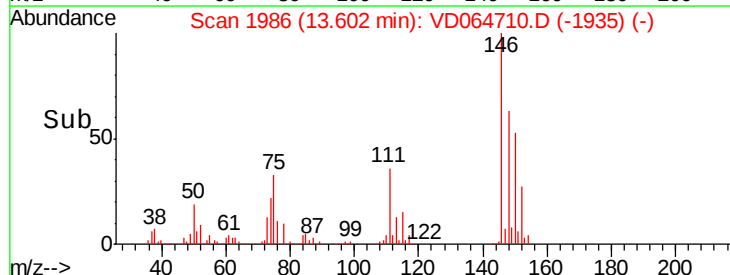
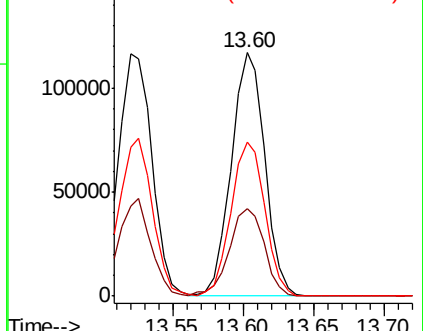


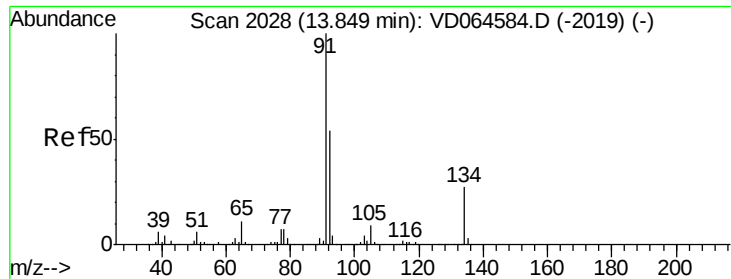
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

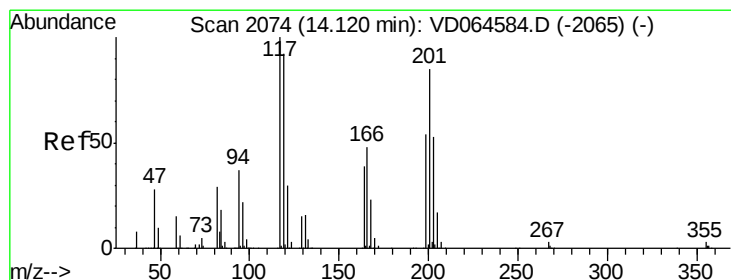
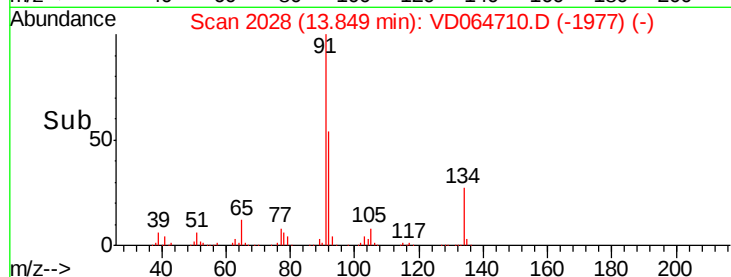
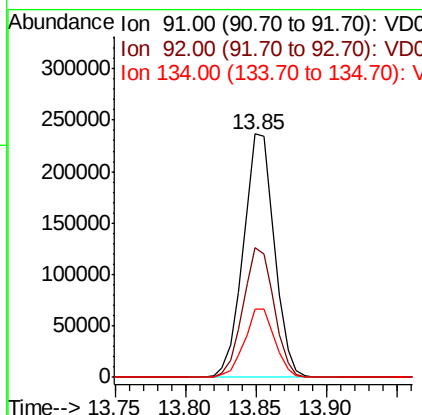
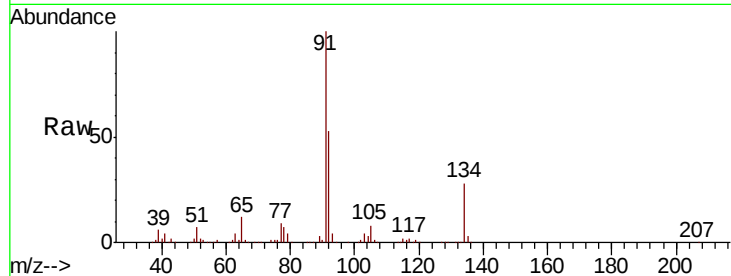




#89
n-Butylbenzene
Concen: 22.834 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

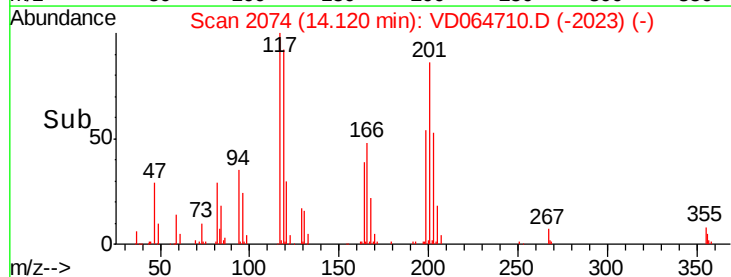
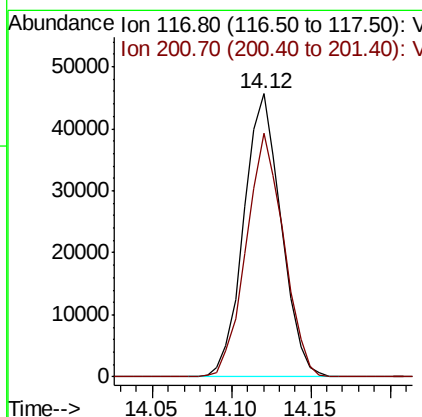
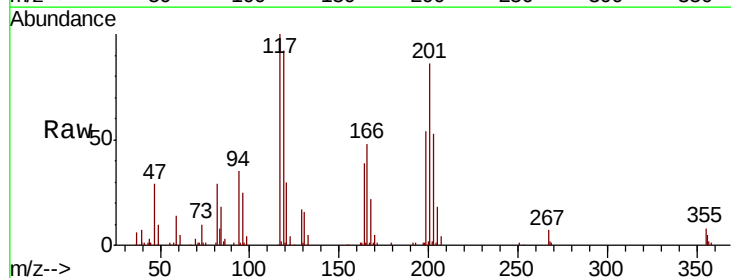
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

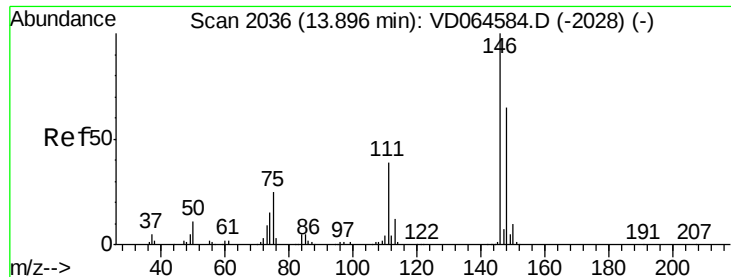
Tot Ion: 91 Resp: 364749
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 22.083 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 117 Resp: 74827
Ion Ratio Lower Upper
117 100
201 86.1 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 21.846 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

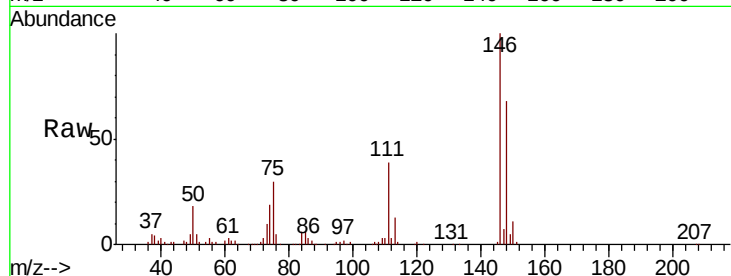
Tot Ion:146 Resp: 165548

Ion Ratio Lower Upper

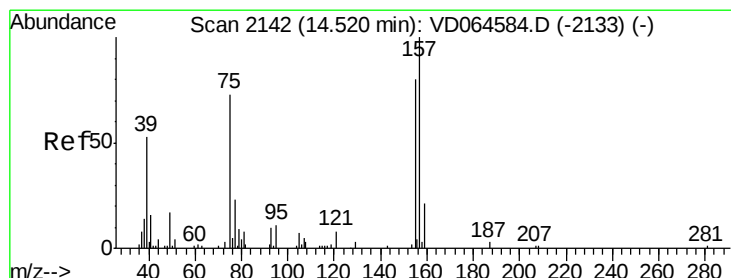
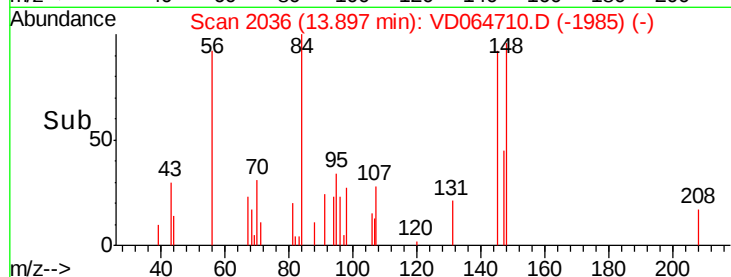
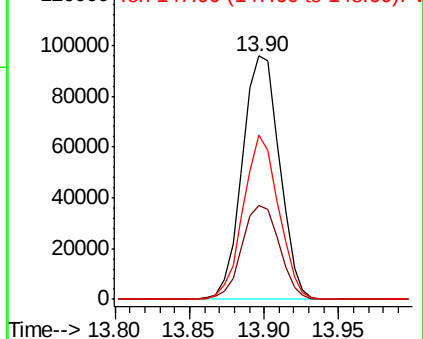
146 100

111 38.8 19.3 57.9

148 64.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.382 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

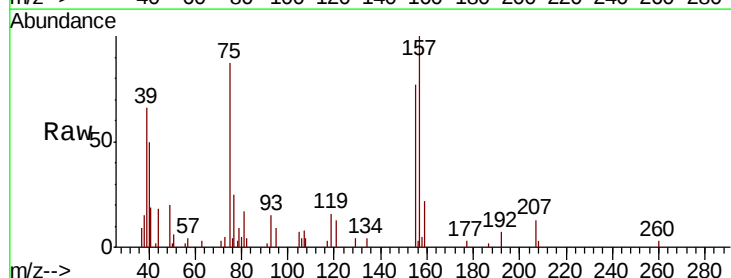
Tgt Ion: 75 Resp: 10331

Ion Ratio Lower Upper

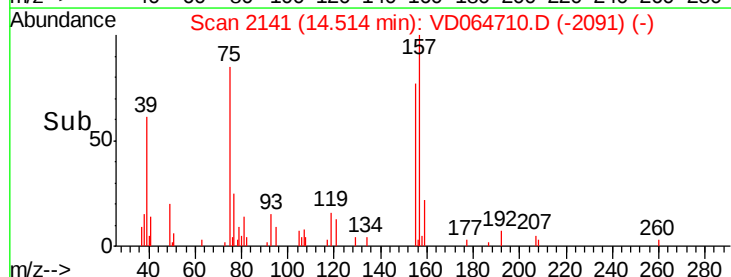
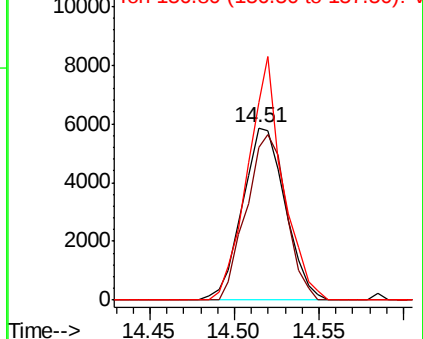
75 100

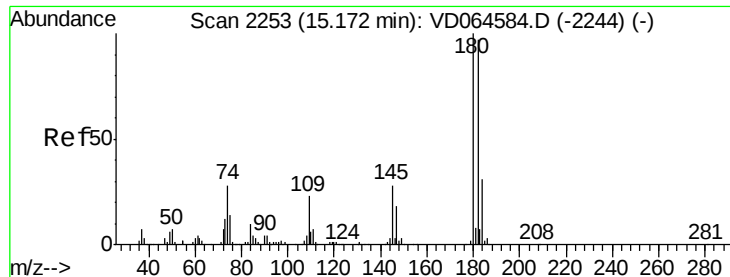
155 89.1 48.0 144.0

157 116.0 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

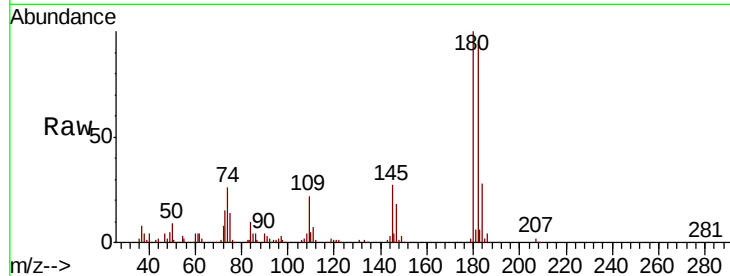




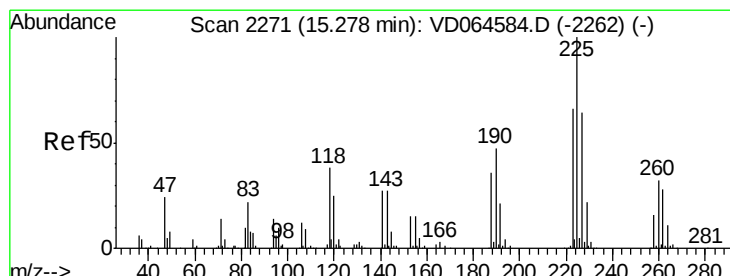
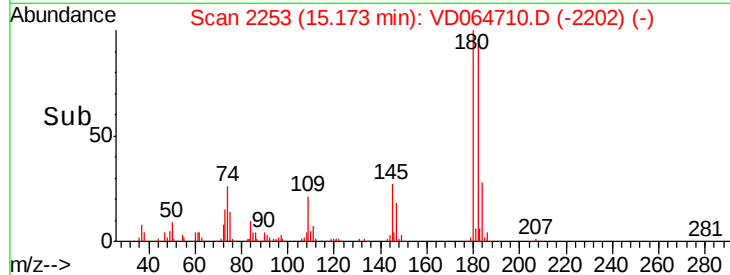
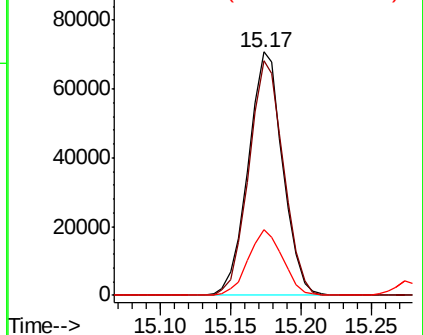
#93
 1,2,4-Trichlorobenzene
 Concen: 21.838 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	26.8	13.8	41.4

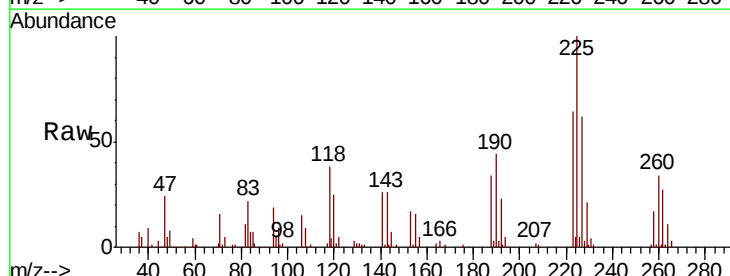


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

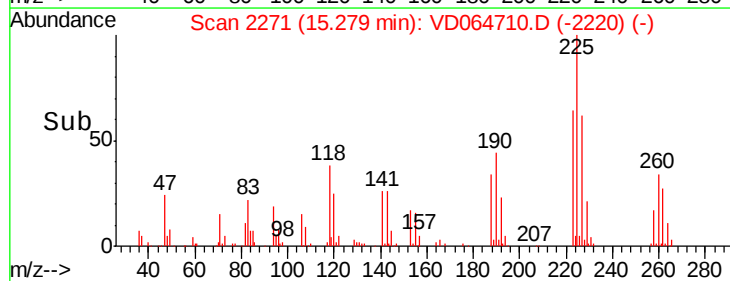
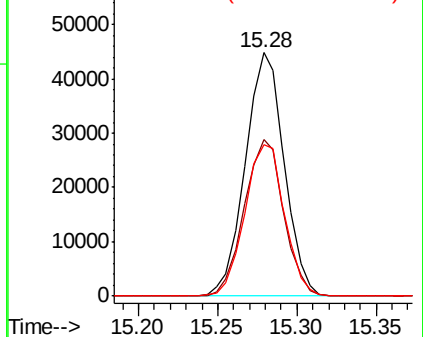


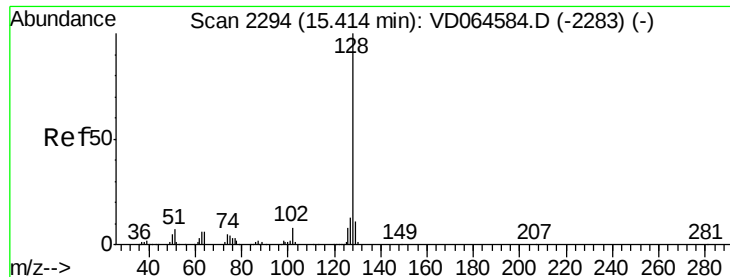
#94
 Hexachlorobutadiene
 Concen: 21.781 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.1	93.2
227	63.3	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.333 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

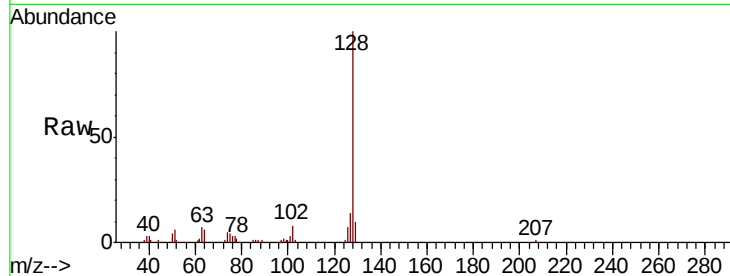
Tot Ion:128 Resp: 188314

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

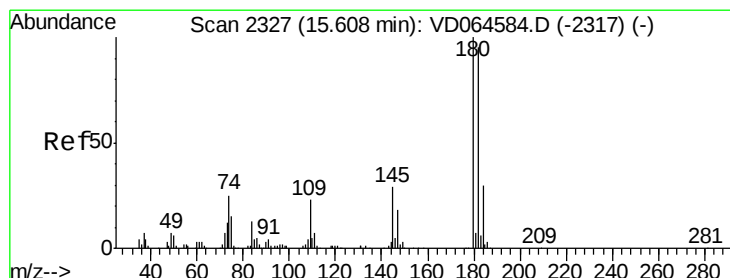
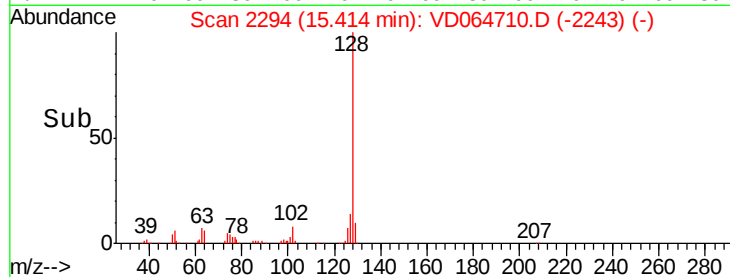
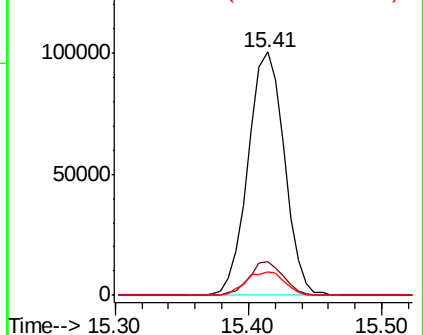
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.052 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

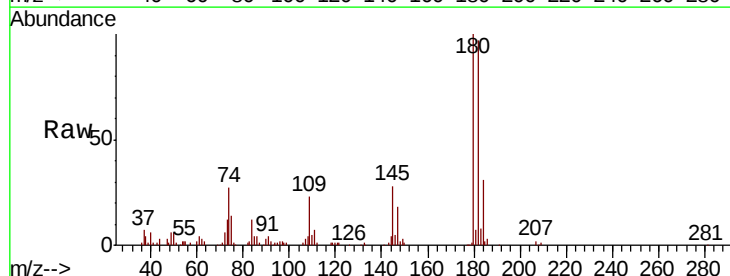
Tgt Ion:180 Resp: 100282

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.7

145 30.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

