

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064810.D
 Acq On : 09 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 13:06:35 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	394959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	571438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173920	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.91	113	174111	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.34	98	647280	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	208624	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63492	20.685	ug/l	93
3) Chloromethane	2.21	50	93946	21.885	ug/l	99
4) Vinyl Chloride	2.35	62	112922	21.575	ug/l	100
5) Bromomethane	2.76	94	77555	20.379	ug/l	94
6) Chloroethane	2.92	64	76488	21.809	ug/l	93
7) Trichlorofluoromethane	3.27	101	189152	21.463	ug/l	94
8) Diethyl Ether	3.70	74	37810	21.605	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81177	22.241	ug/l	99
10) Methyl Iodide	4.29	142	75500	19.258	ug/l	99
11) Tert butyl alcohol	5.25	59	28398	142.278	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	77265	22.236	ug/l	90
13) Acrolein	3.93	56	23739	85.341	ug/l	98
14) Allyl chloride	4.70	41	115446	21.309	ug/l	98
15) Acrylonitrile	5.43	53	79985	109.725	ug/l	99
16) Acetone	4.16	43	85439	111.452	ug/l	94
17) Carbon Disulfide	4.40	76	232260	20.672	ug/l	98
18) Methyl Acetate	4.72	43	43731	22.303	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	171707	22.248	ug/l	94
20) Methylene Chloride	4.96	84	90363	22.701	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	85508	21.608	ug/l	97
22) Diisopropyl ether	6.37	45	241727	22.370	ug/l	98
23) Vinyl Acetate	6.30	43	674210	109.989	ug/l	99
24) 1,1-Dichloroethane	6.26	63	145151	22.375	ug/l	96
25) 2-Butanone	7.21	43	109259	114.131	ug/l	96
26) 2,2-Dichloropropane	7.21	77	137463	22.791	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93124	21.805	ug/l	97
28) Bromochloromethane	7.54	49	51846	20.560	ug/l	99
29) Tetrahydrofuran	7.57	42	64448	108.256	ug/l	99
30) Chloroform	7.71	83	154376	22.682	ug/l	98
31) Cyclohexane	7.98	56	137025	21.101	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	142288	22.258	ug/l	97
36) 1,1-Dichloropropene	8.11	75	120566	21.921	ug/l	98
37) Ethyl Acetate	7.30	43	46473	21.508	ug/l	95
38) Carbon Tetrachloride	8.10	117	129489	22.079	ug/l	99

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 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 13:06:35 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	140707	21.122	ug/l	94
40) Benzene	8.35	78	332017	22.113	ug/l	99
41) Methacrylonitrile	7.52	41	25391	20.254	ug/l	91
42) 1,2-Dichloroethane	8.43	62	99822	23.007	ug/l	98
43) Isopropyl Acetate	8.46	43	93613	21.767	ug/l	100
44) Trichloroethene	9.11	130	96404	21.856	ug/l	98
45) 1,2-Dichloropropane	9.38	63	82892	23.122	ug/l	99
46) Dibromomethane	9.48	93	42830	21.429	ug/l	96
47) Bromodichloromethane	9.66	83	118693	22.317	ug/l	96
48) Methyl methacrylate	9.46	41	42085	20.783	ug/l	92
49) 1,4-Dioxane	9.46	88	9802	425.312	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	232486	109.367	ug/l	100
52) Toluene	10.40	92	215757	21.903	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107114	21.602	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	128301	21.944	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60199	22.349	ug/l	94
56) Ethyl methacrylate	10.66	69	72497	21.551	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102097	22.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145467	113.500	ug/l	99
59) 2-Hexanone	10.99	43	165680	114.833	ug/l	99
60) Dibromochloromethane	11.14	129	81780	21.955	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57546	21.660	ug/l	99
64) Tetrachloroethene	10.88	164	84138	21.678	ug/l	96
65) Chlorobenzene	11.67	112	226754	21.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85773	21.669	ug/l	98
67) Ethyl Benzene	11.75	91	405648	21.285	ug/l	97
68) m/p-Xylenes	11.86	106	316316	43.001	ug/l	100
69) o-Xylene	12.18	106	138281	20.812	ug/l	98
70) Styrene	12.20	104	249192	21.367	ug/l	98
71) Bromoform	12.36	173	49403	21.886	ug/l #	97
73) Isopropylbenzene	12.48	105	387795	21.374	ug/l	100
74) N-amyl acetate	12.30	43	81590	21.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62652	21.982	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	83536	41.668	ug/l #	100
77) Bromobenzene	12.77	156	94470	21.191	ug/l	97
78) n-propylbenzene	12.83	91	458460	21.660	ug/l	98
79) 2-Chlorotoluene	12.91	91	254497	21.888	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	323925	21.735	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21308	22.229	ug/l	97
82) 4-Chlorotoluene	13.01	91	266804	21.562	ug/l	99
83) tert-Butylbenzene	13.23	119	270102	20.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	316838	21.346	ug/l	99
85) sec-Butylbenzene	13.41	105	380913	21.472	ug/l	100
86) p-Isopropyltoluene	13.53	119	358168	21.115	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	179095	21.074	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185229	22.187	ug/l	98
89) n-Butylbenzene	13.85	91	328466	21.502	ug/l	98
90) Hexachloroethane	14.12	117	69192	21.354	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	154240	21.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9442	20.436	ug/l	93

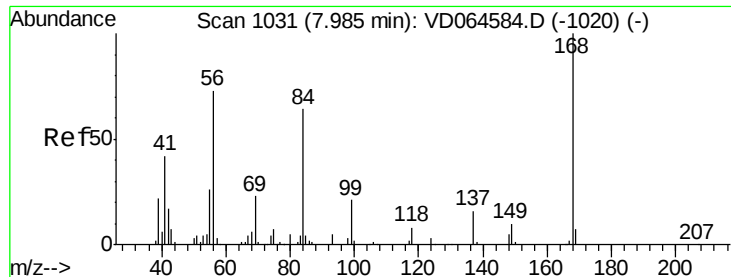
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107054	20.063	ug/l	99
94) Hexachlorobutadiene	15.28	225	65680	19.561	ug/l	97
95) Naphthalene	15.41	128	170463	20.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91894	20.173	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: VD064810.D

Acq: 09 Jan 2020 12:00

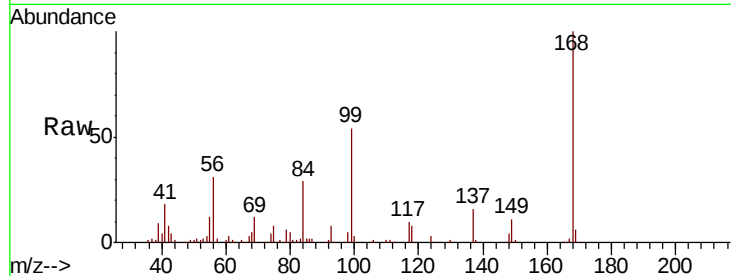
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 394959

Ion Ratio Lower Upper

168 100

99 53.7 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

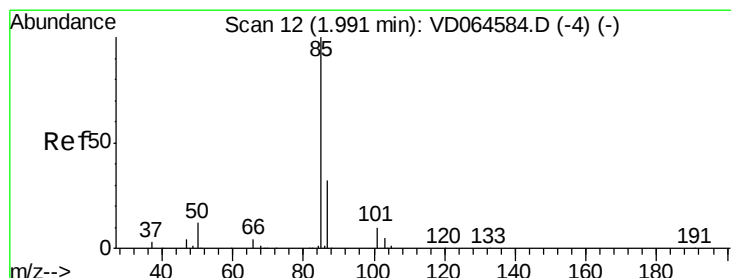
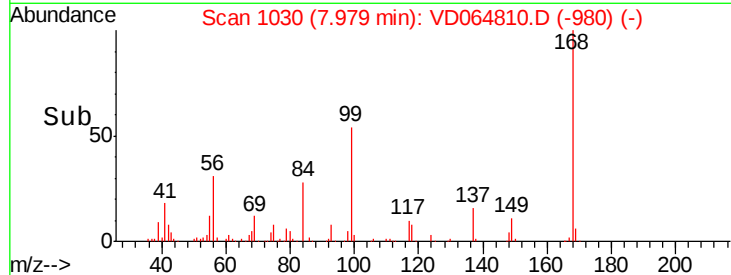
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.685 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064810.D

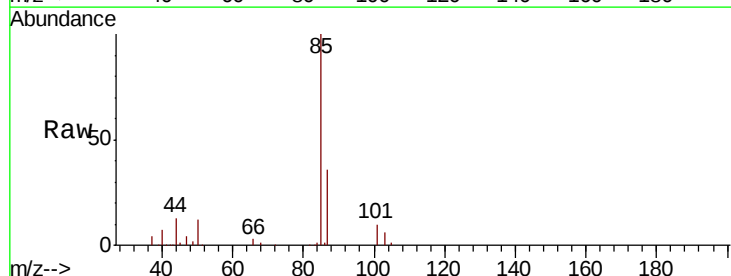
Acq: 09 Jan 2020 12:00

Tgt Ion: 85 Resp: 63492

Ion Ratio Lower Upper

85 100

87 35.9 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

50000

40000

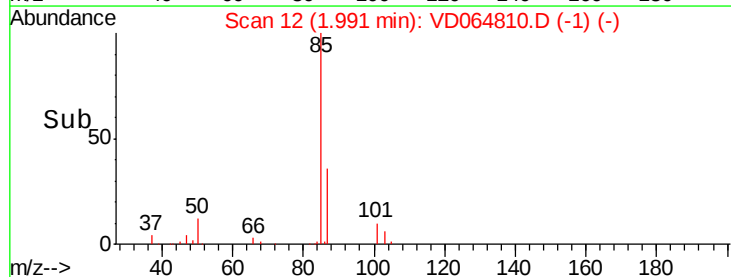
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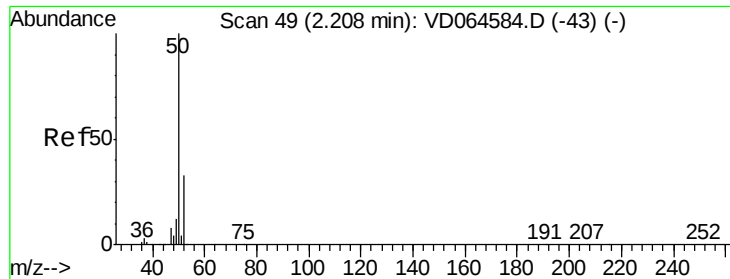
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.885 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

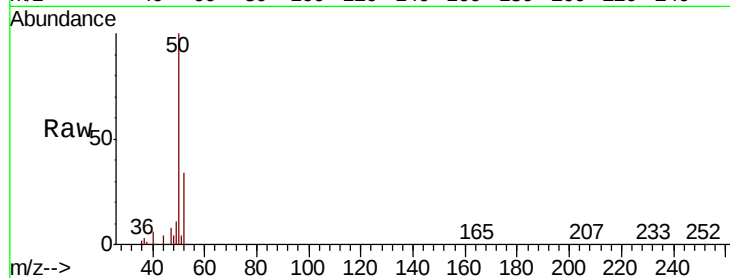
ClientSampleId :

Tot Ion: 50 Resp: 93946

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

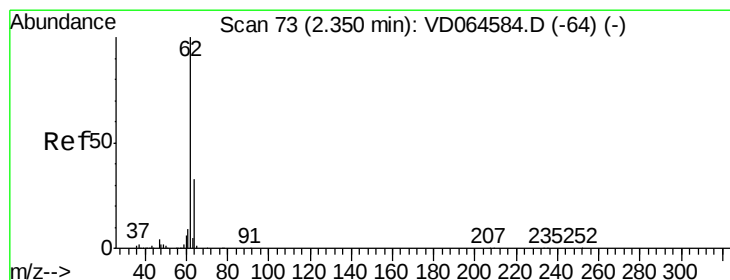
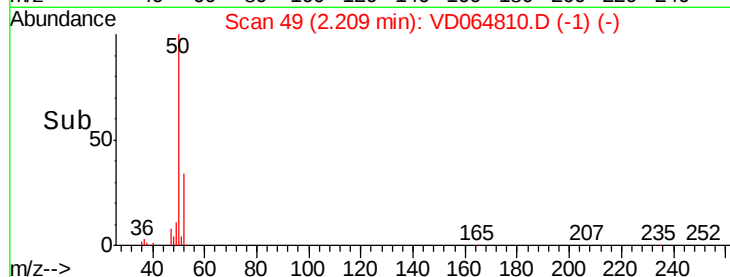
40000

20000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 21.575 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064810.D

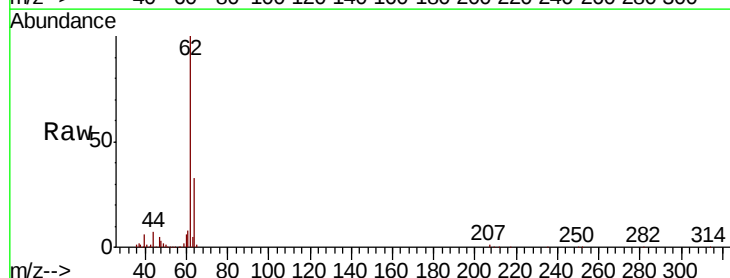
Acq: 09 Jan 2020 12:00

Tgt Ion: 62 Resp: 112922

Ion Ratio Lower Upper

62 100

64 33.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

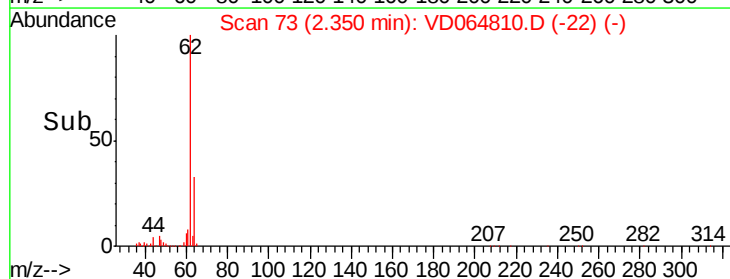
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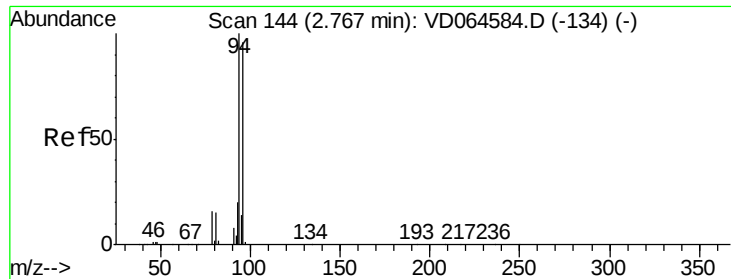
20000

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Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.379 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

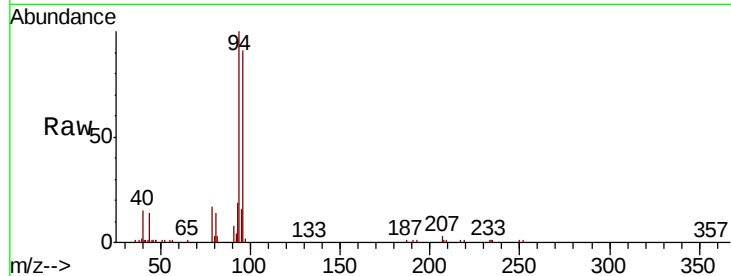
ClientSampleId :

Tot Ion: 94 Resp: 77555

Ion Ratio Lower Upper

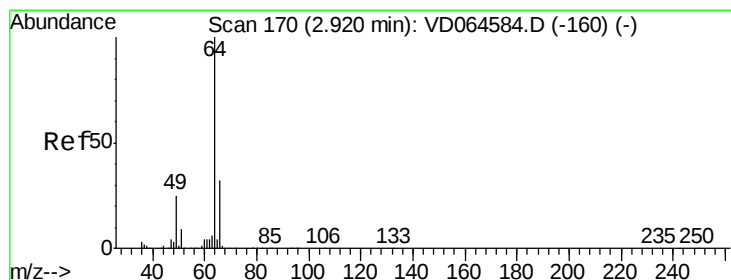
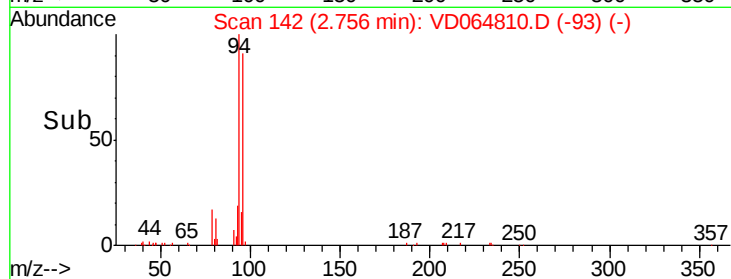
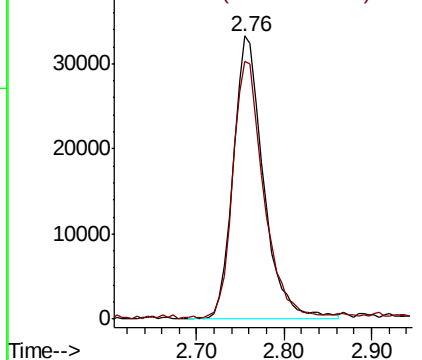
94 100

96 90.4 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: 21.809 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064810.D

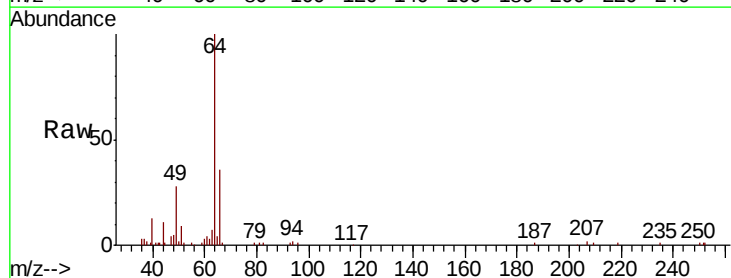
Acq: 09 Jan 2020 12:00

Tgt Ion: 64 Resp: 76488

Ion Ratio Lower Upper

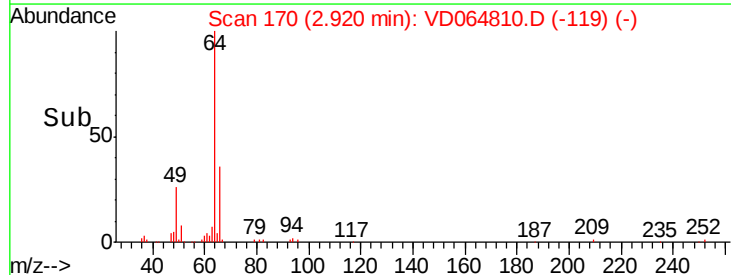
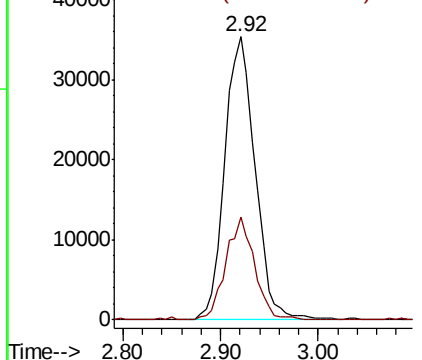
64 100

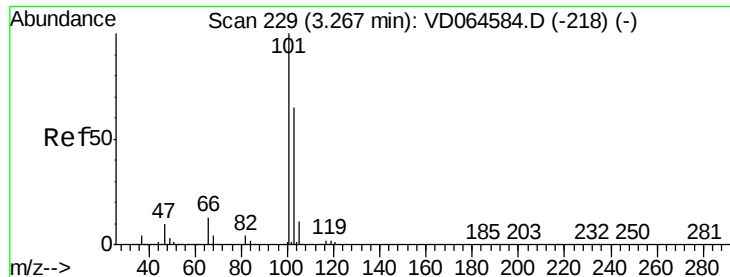
66 36.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



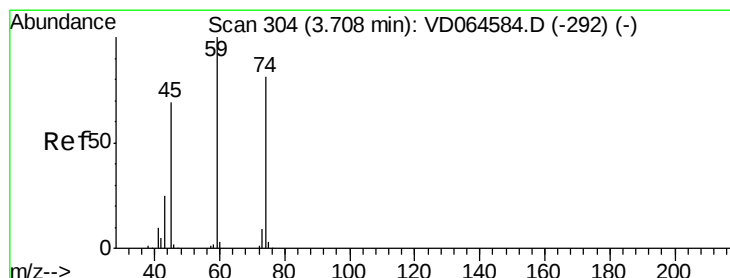
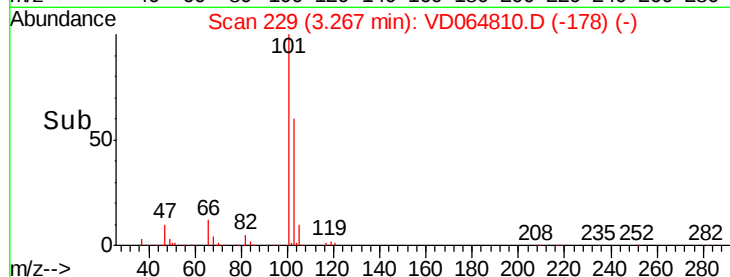
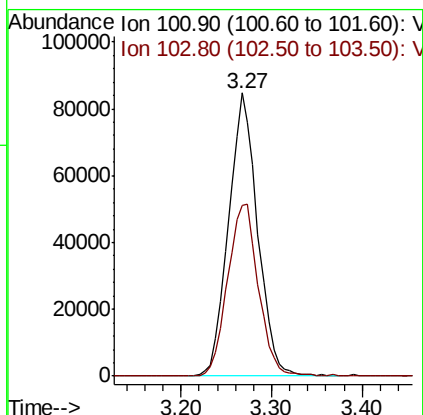
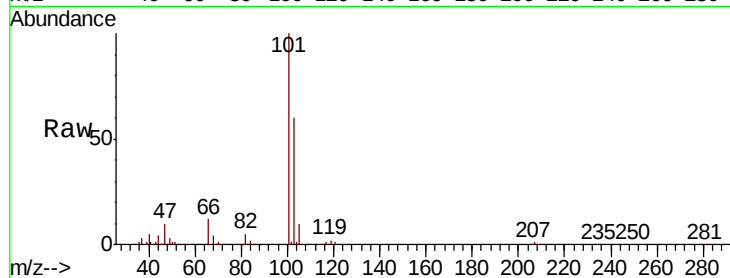


#7

Trichlorofluoromethane
 Concen: 21.463 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

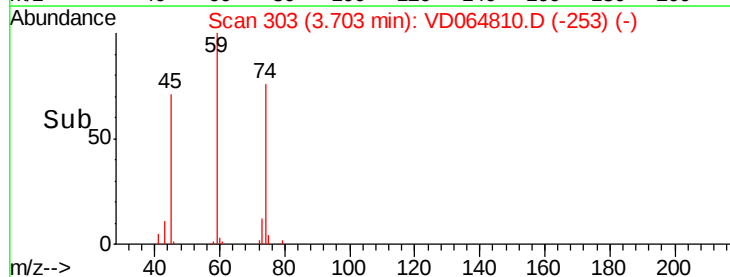
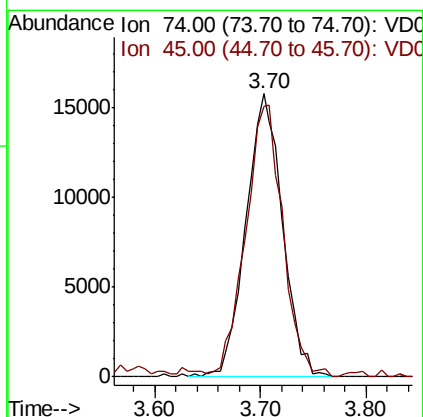
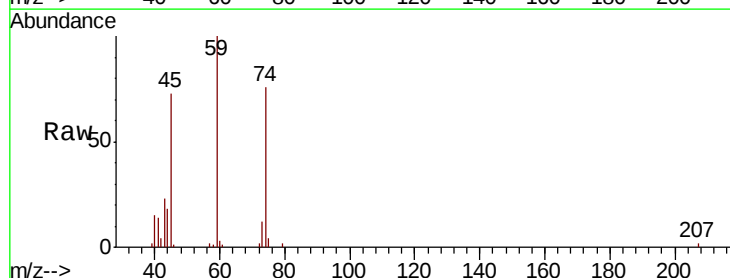
Tot Ion:101 Resp: 189152
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.2 78.4

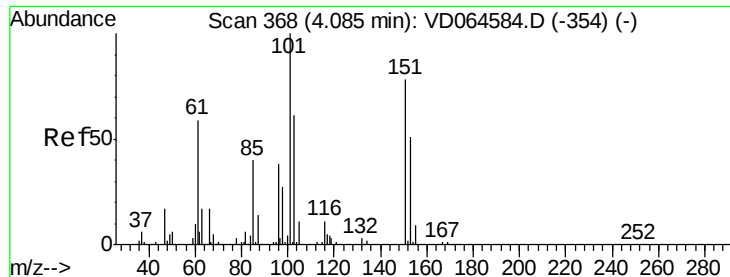


#8

Diethyl Ether
 Concen: 21.605 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 74 Resp: 37810
 Ion Ratio Lower Upper
 74 100
 45 98.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.241 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

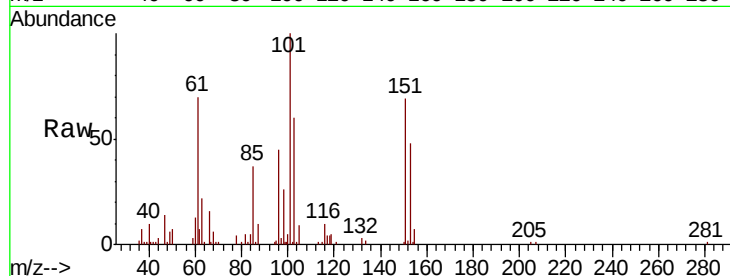
Tot Ion:101 Resp: 81177

Ion Ratio Lower Upper

101 100

85 44.5 35.2 52.8

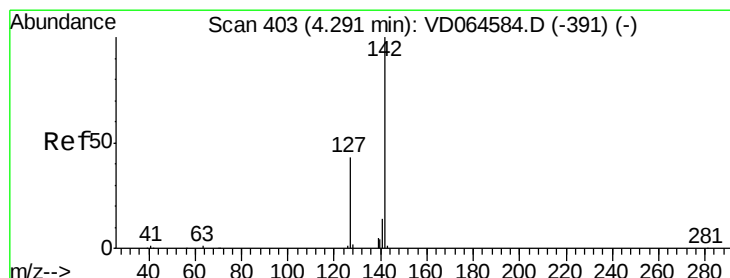
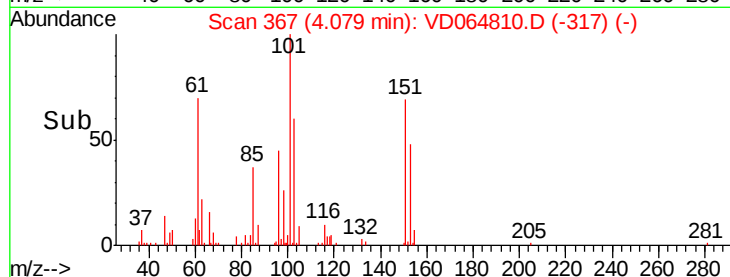
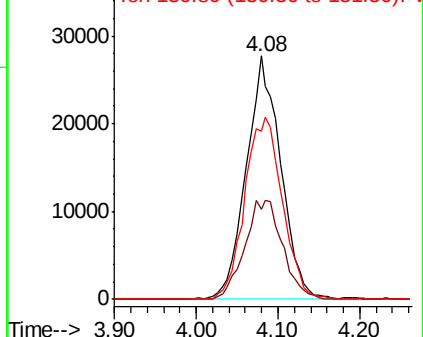
151 81.3 66.2 99.4



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: 19.258 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

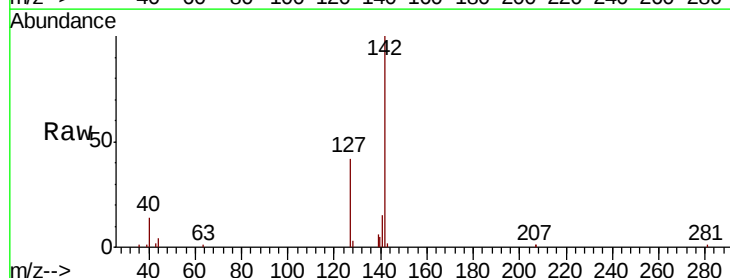
Tgt Ion:142 Resp: 75500

Ion Ratio Lower Upper

142 100

127 46.4 36.2 54.4

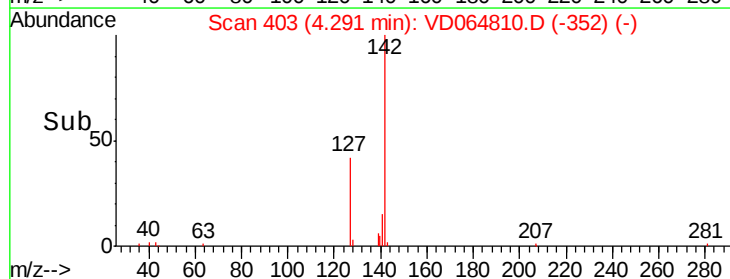
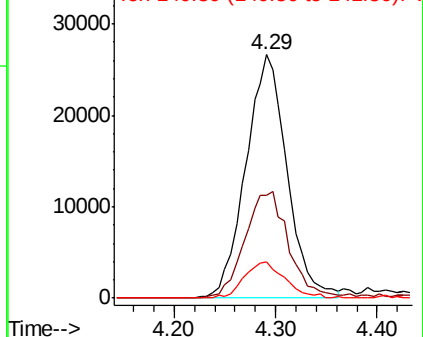
141 14.5 11.8 17.8

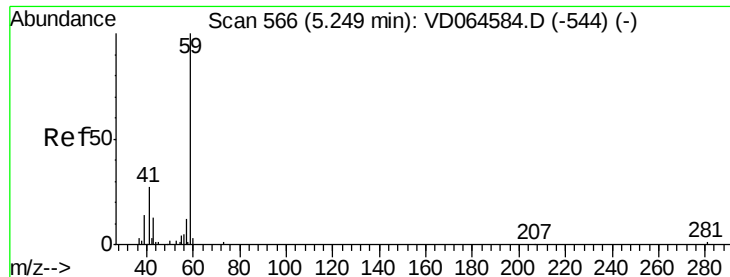


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



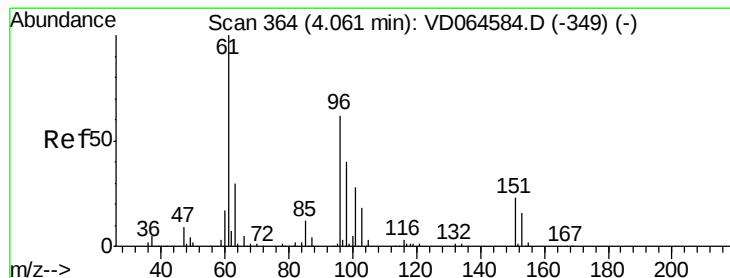
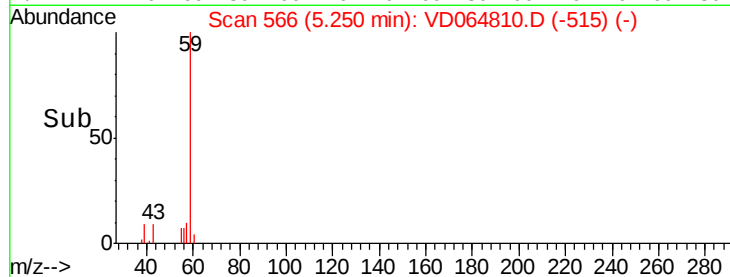
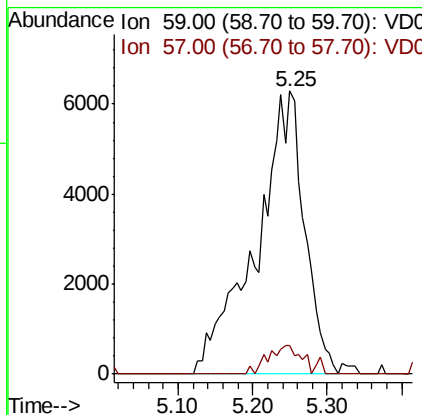
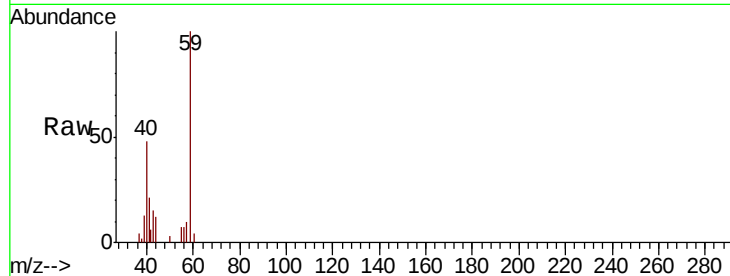


#11

Tert butyl alcohol
 Concen: 142.278 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

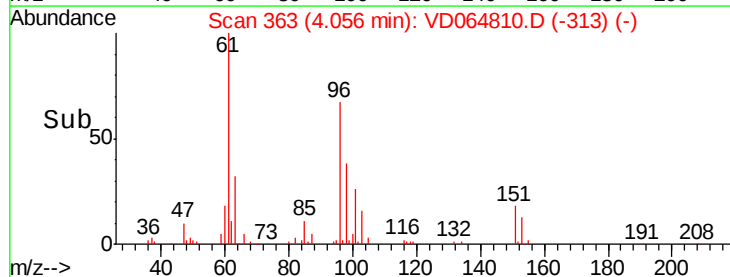
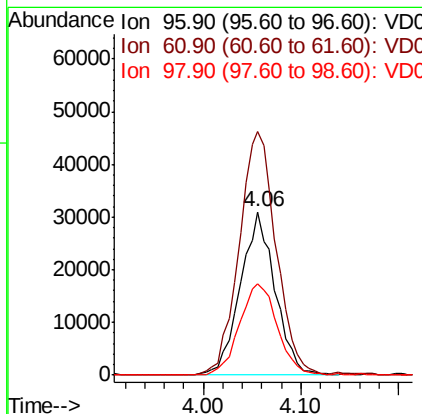
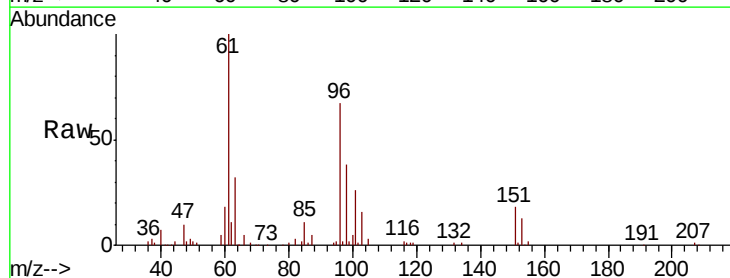
Tot Ion: 59 Resp: 28398
 Ion Ratio Lower Upper
 59 100
 57 6.8 9.3 13.9#

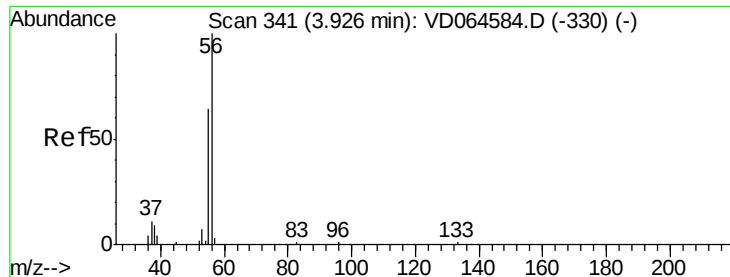


#12

1,1-Dichloroethene
 Concen: 22.236 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 96 Resp: 77265
 Ion Ratio Lower Upper
 96 100
 61 149.0 129.4 194.0
 98 56.0 51.4 77.0





#13

Acrolein

Concen: 85.341 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

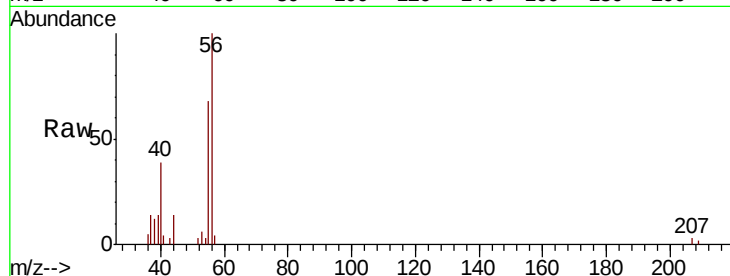
ClientSampleId :

Tot Ion: 56 Resp: 23739

Ion Ratio Lower Upper

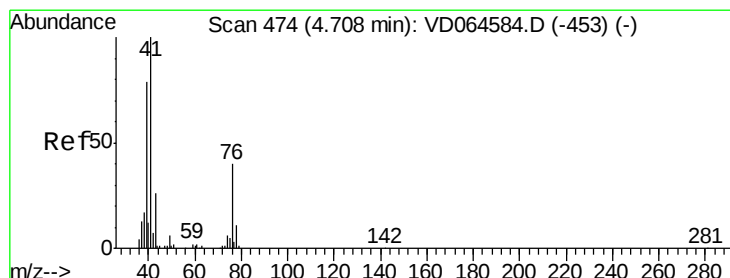
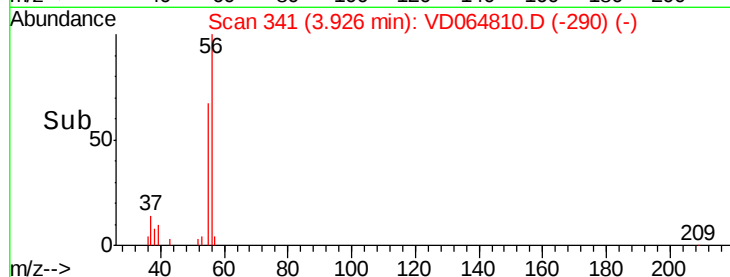
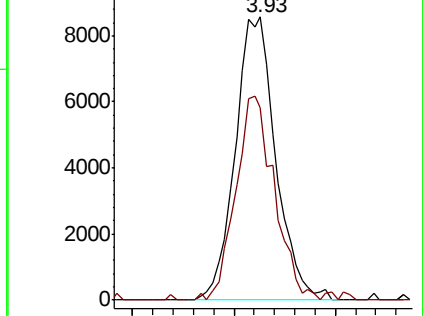
56 100

55 68.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.309 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

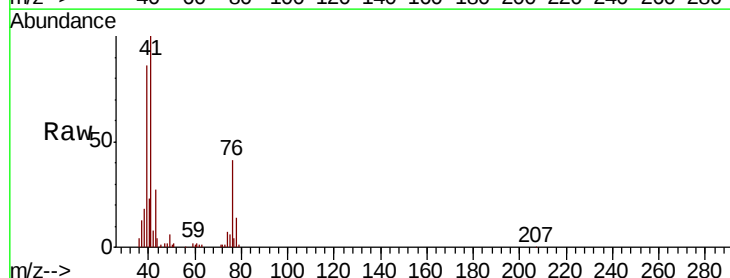
Tgt Ion: 41 Resp: 115446

Ion Ratio Lower Upper

41 100

39 79.6 62.3 93.5

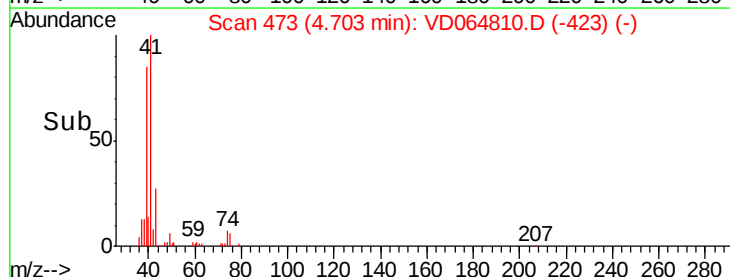
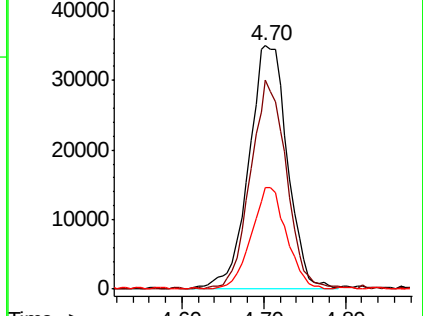
76 37.8 29.7 44.5

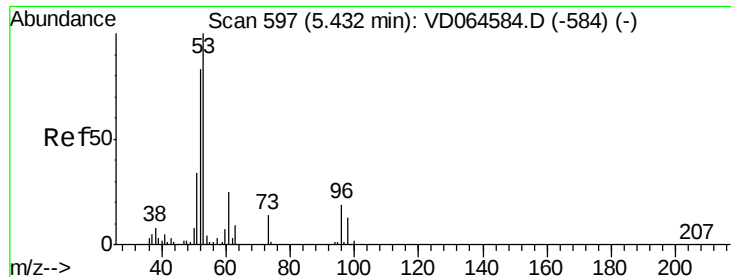


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 109.725 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

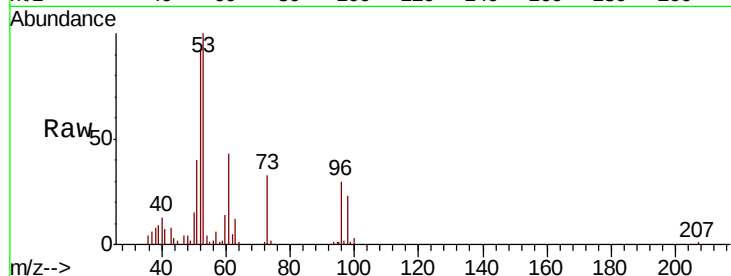
Tot Ion: 53 Resp: 79985

Ion Ratio Lower Upper

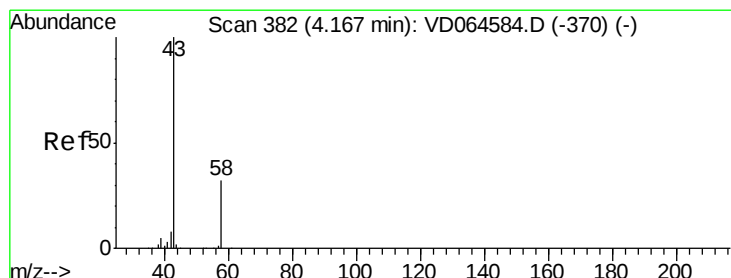
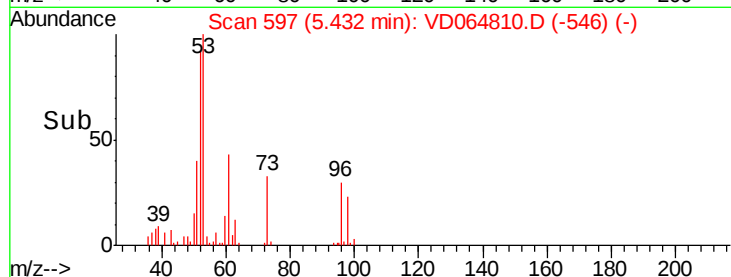
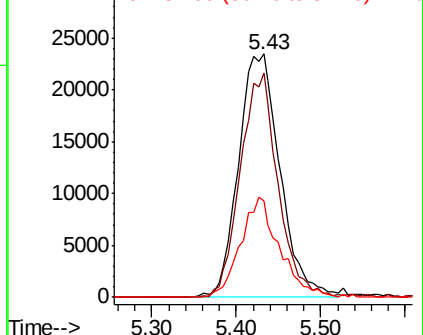
53 100

52 83.8 66.2 99.2

51 38.4 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: 111.452 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064810.D

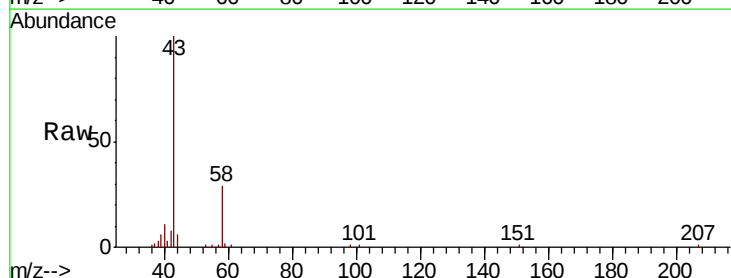
Acq: 09 Jan 2020 12:00

Tgt Ion: 43 Resp: 85439

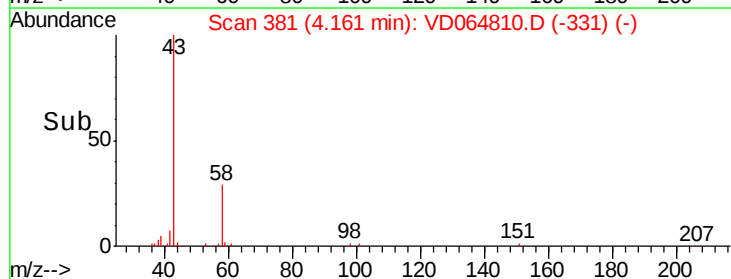
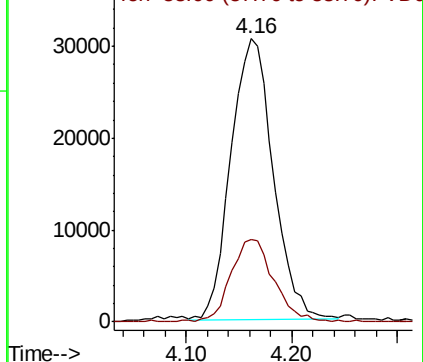
Ion Ratio Lower Upper

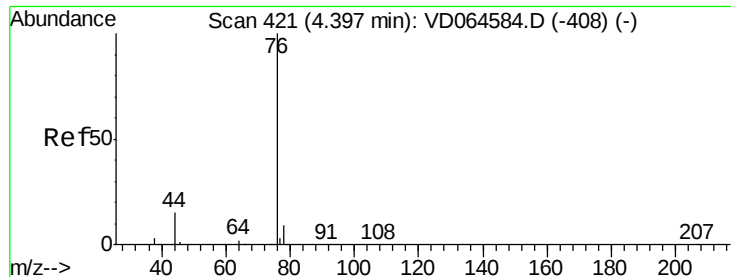
43 100

58 28.9 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: 20.672 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

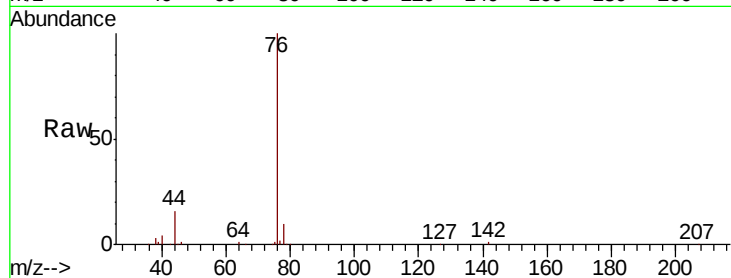
ClientSampleId :

Tot Ion: 76 Resp: 232260

Ion Ratio Lower Upper

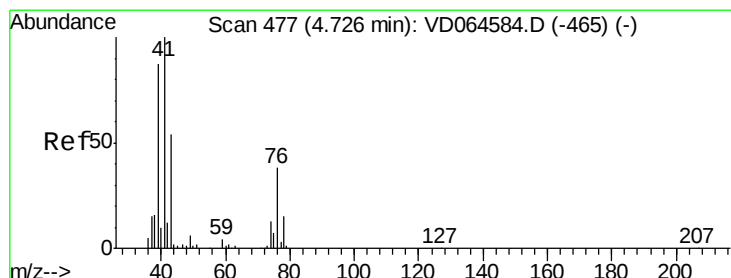
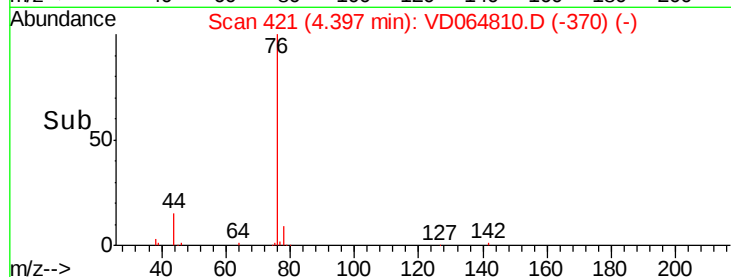
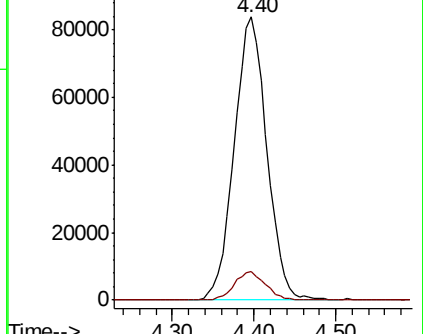
76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.303 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064810.D

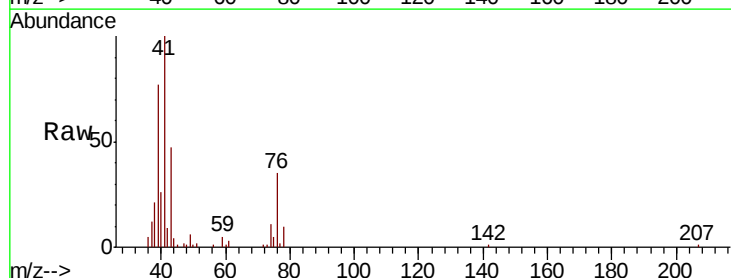
Acq: 09 Jan 2020 12:00

Tgt Ion: 43 Resp: 43731

Ion Ratio Lower Upper

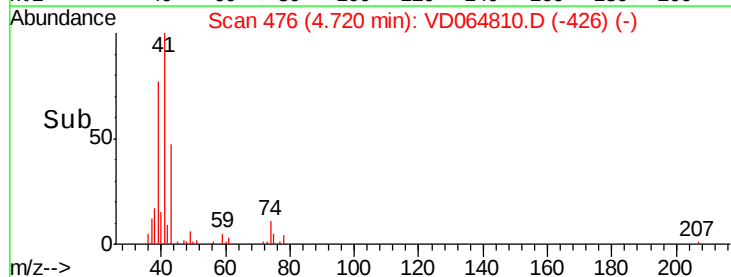
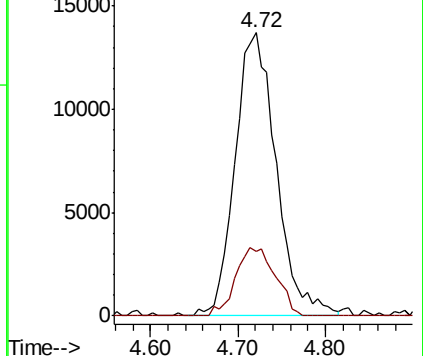
43 100

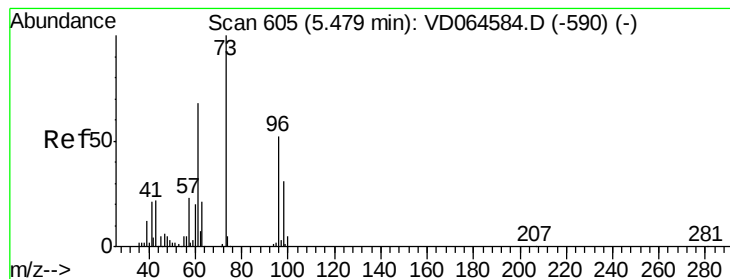
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



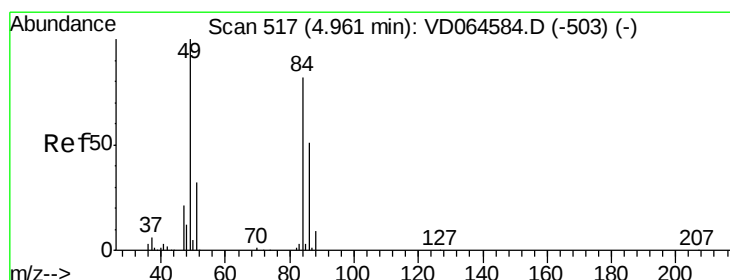
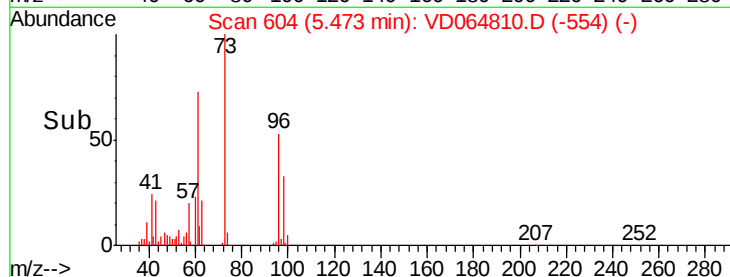
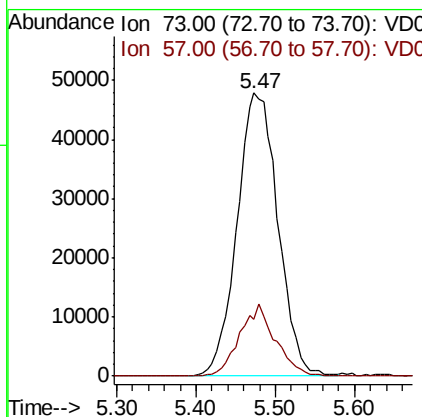
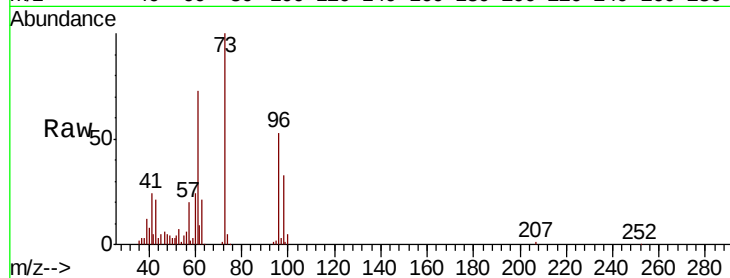


#19

Methyl tert-butyl Ether
 Concen: 22.248 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampled :

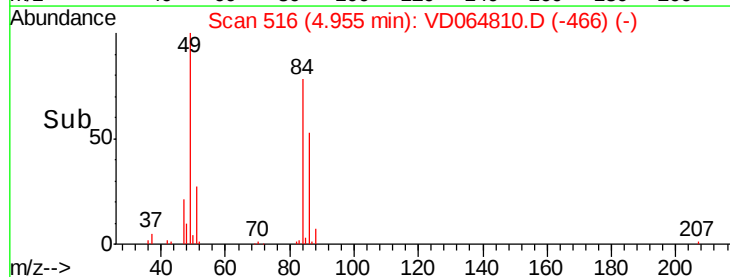
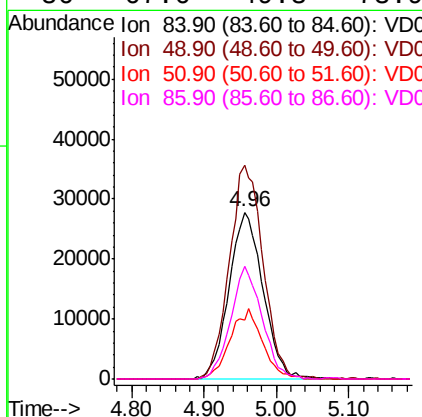
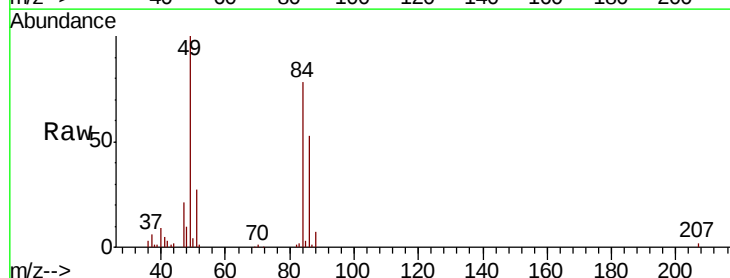
Tot Ion: 73 Resp: 171707
 Ion Ratio Lower Upper
 73 100
 57 20.2 18.6 27.8

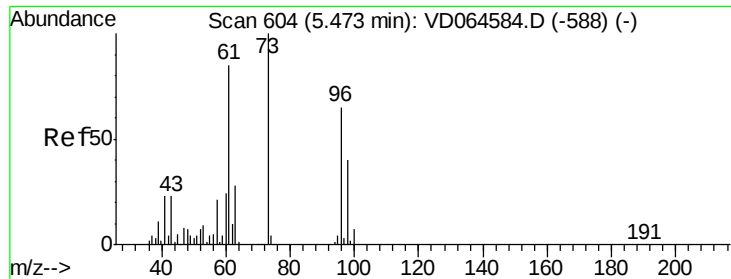


#20

Methylene Chloride
 Concen: 22.701 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 84 Resp: 90363
 Ion Ratio Lower Upper
 84 100
 49 127.9 97.2 145.8
 51 35.1 31.4 47.0
 86 67.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.608 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampled :

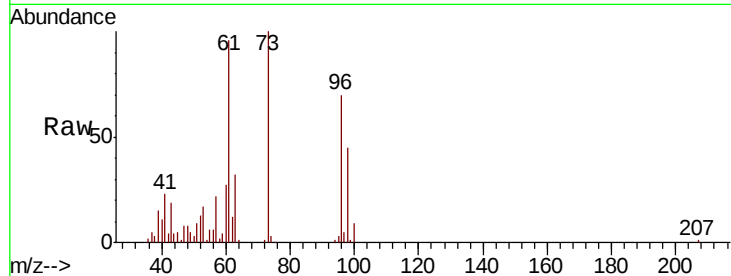
Tot Ion: 96 Resp: 85508

Ion Ratio Lower Upper

96 100

61 135.6 104.7 157.1

98 63.2 49.4 74.2

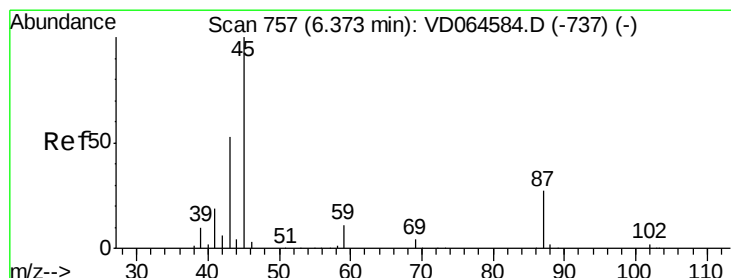
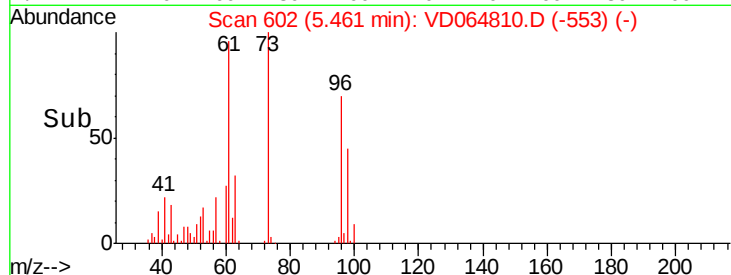
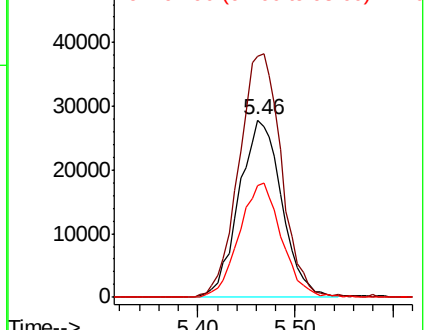


Abundance

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: 22.370 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion: 45 Resp: 241727

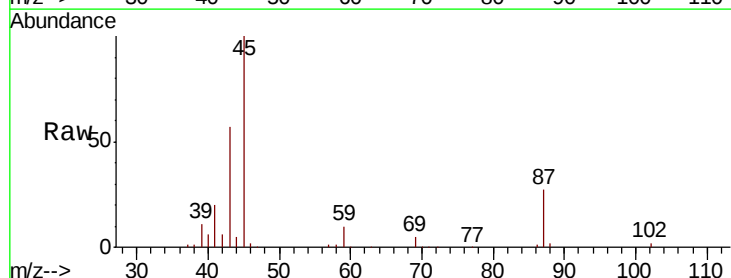
Ion Ratio Lower Upper

45 100

43 56.1 43.2 64.8

87 26.9 21.9 32.9

59 10.0 9.0 13.4



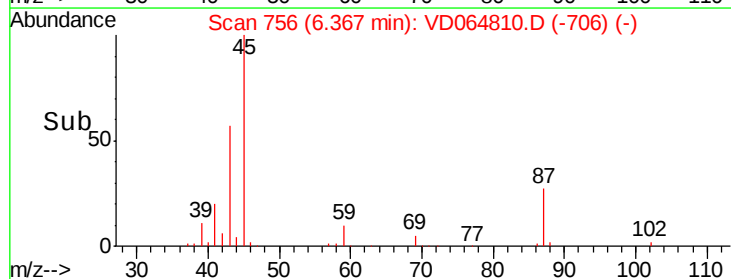
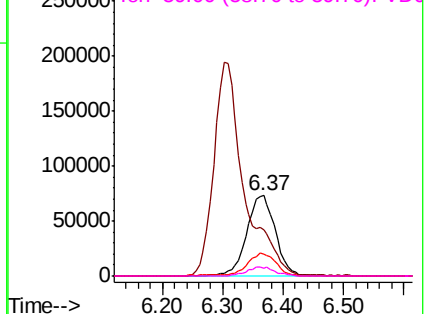
Abundance

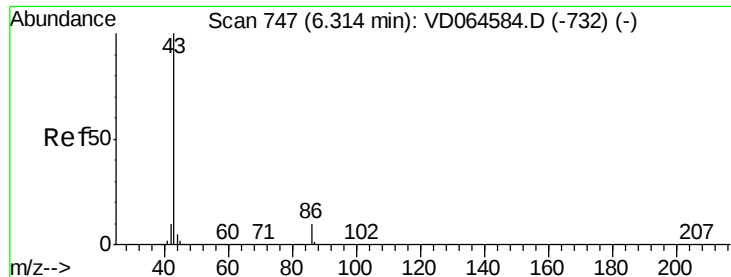
Ion 45.00 (44.70 to 45.70): VDC

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: 109.989 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

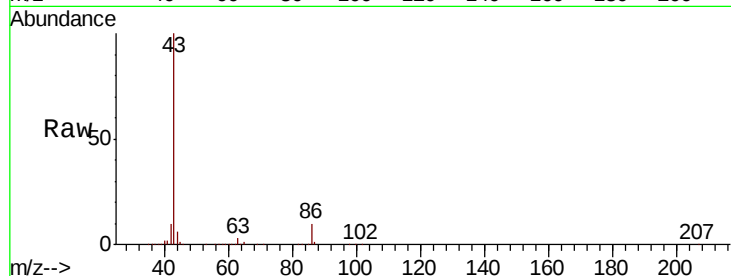
ClientSampleId :

Tot Ion: 43 Resp: 674210

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

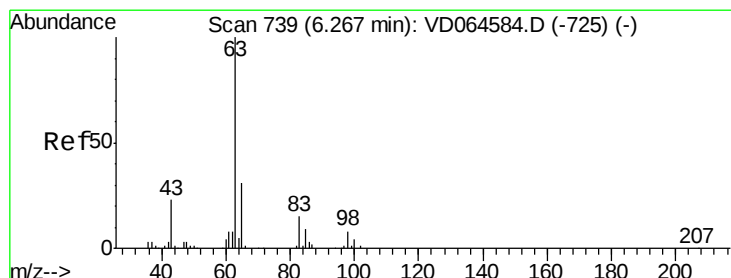
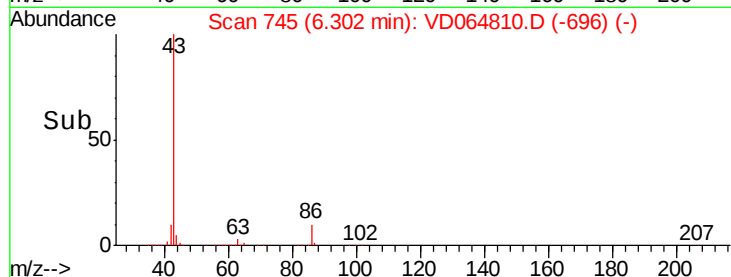
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.375 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

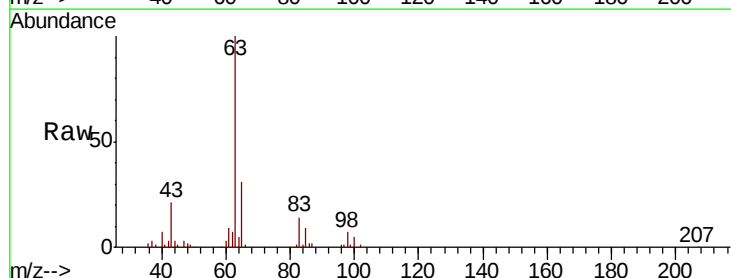
Tgt Ion: 63 Resp: 145151

Ion Ratio Lower Upper

63 100

98 6.6 4.1 12.3

100 5.4 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

6.26

60000

50000

40000

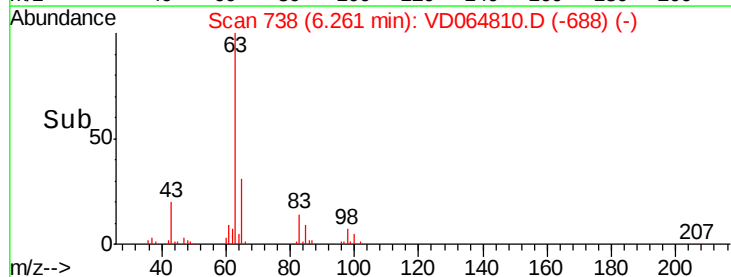
30000

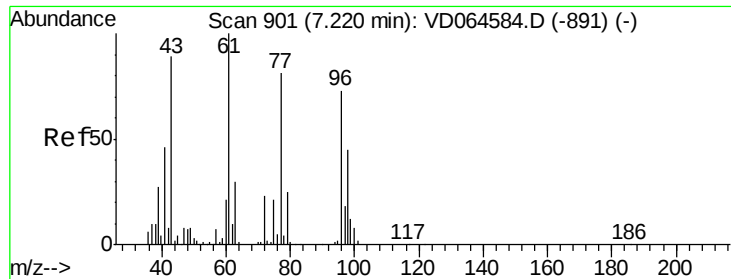
20000

10000

0

Time-->

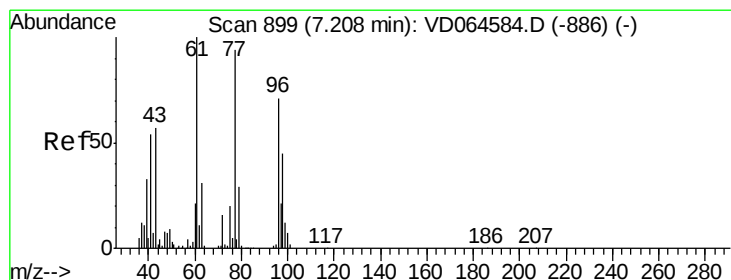
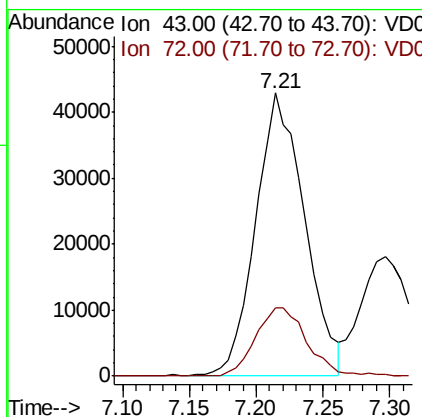
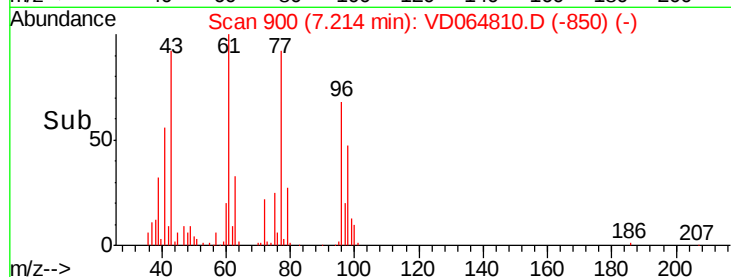
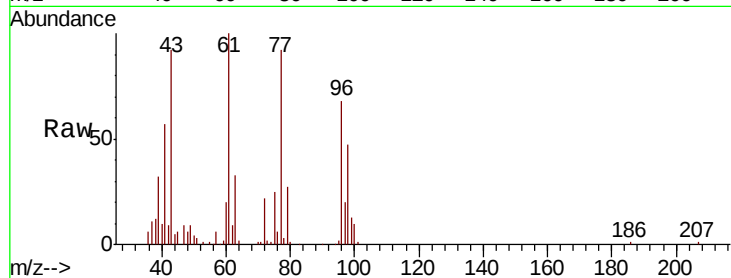




#25
2-Butanone
Concen: 114.131 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

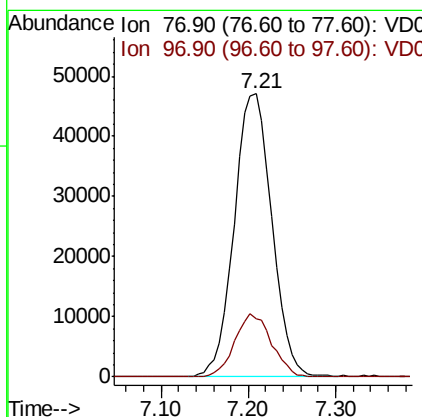
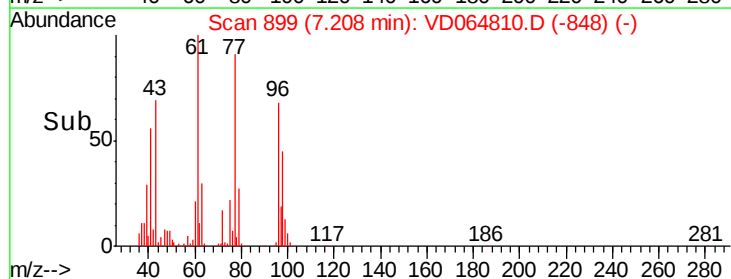
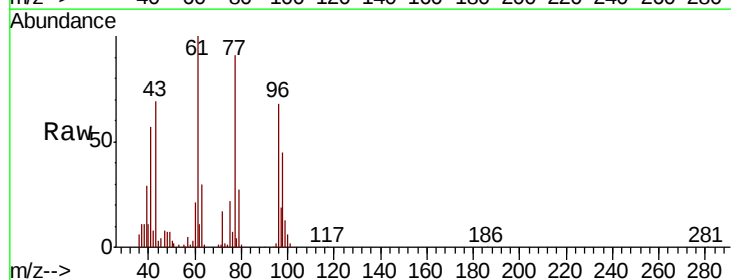
Instrument :
MSVOA_D
ClientSampleID :

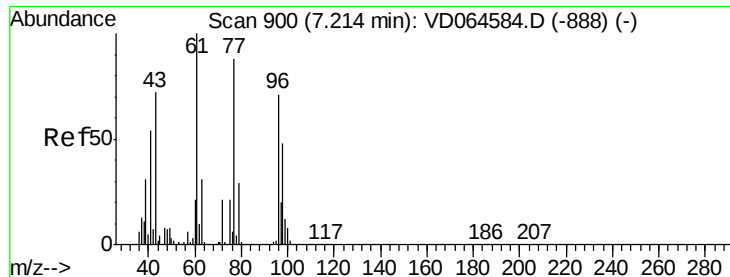
Tot Ion: 43 Resp: 109259
Ion Ratio Lower Upper
43 100
72 24.0 20.7 31.1



#26
2,2-Dichloropropane
Concen: 22.791 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 77 Resp: 137463
Ion Ratio Lower Upper
77 100
97 21.8 11.2 33.6



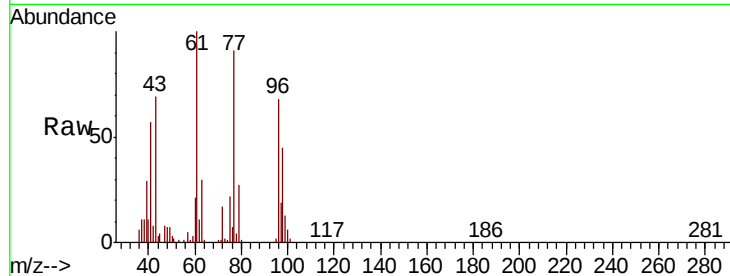


#27

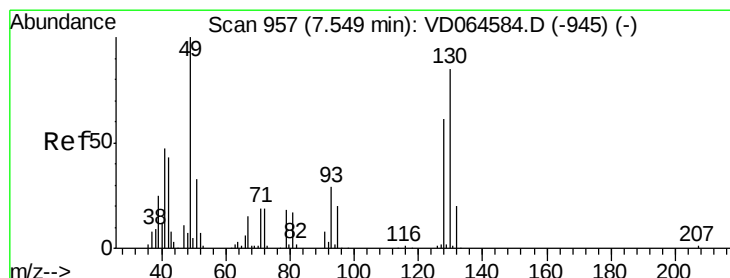
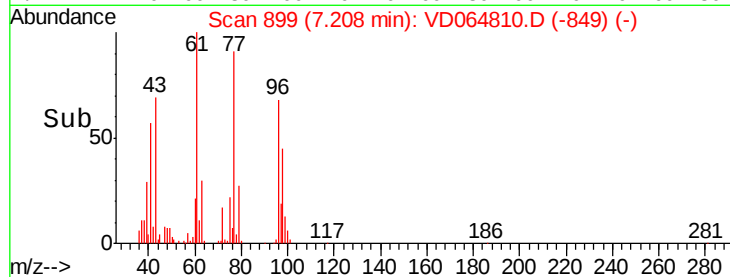
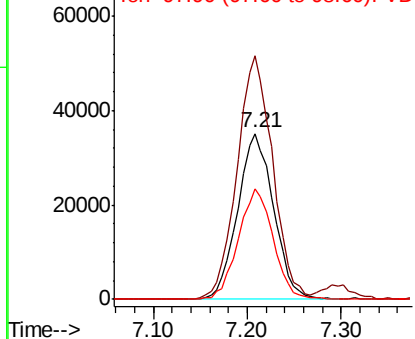
cis-1,2-Dichloroethene
Concen: 21.805 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 93124
Ion Ratio Lower Upper
96 100
61 145.5 0.0 282.6
98 64.6 0.0 130.8



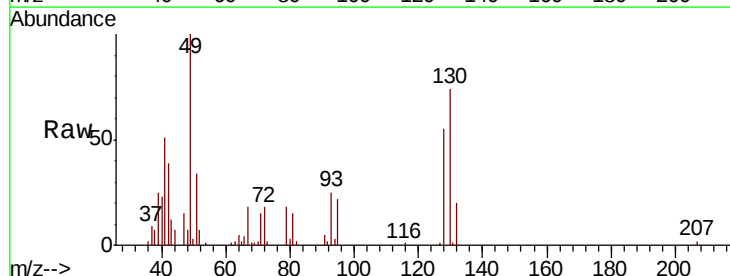
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



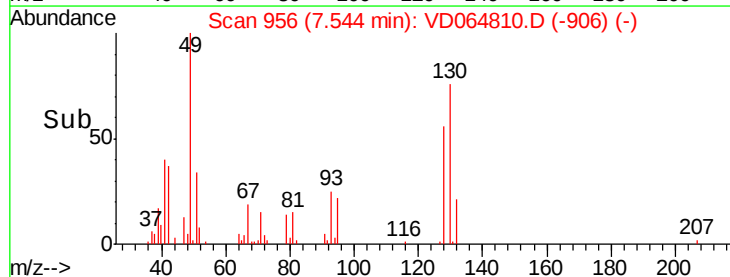
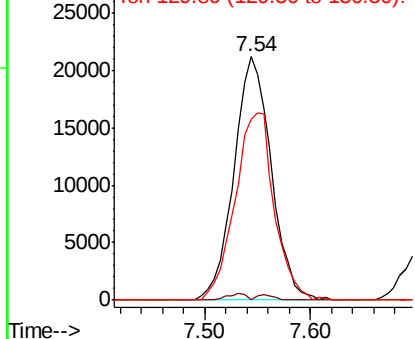
#28

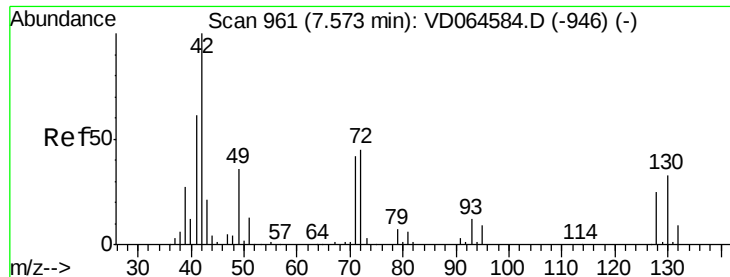
Bromochloromethane
Concen: 20.560 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 49 Resp: 51846
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.8
130 80.6 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

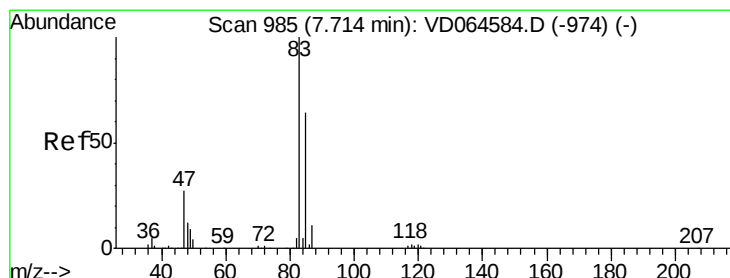
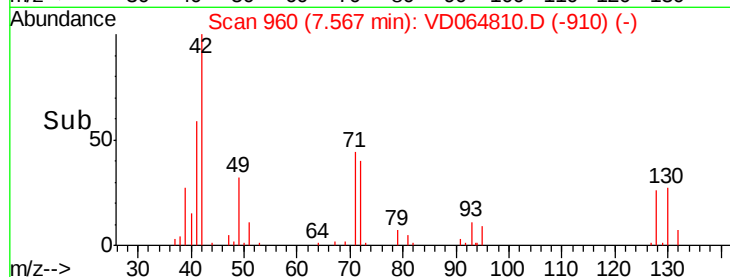
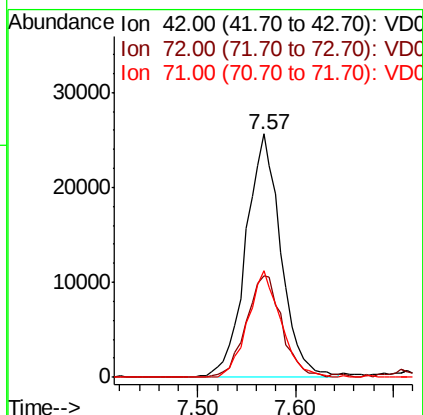
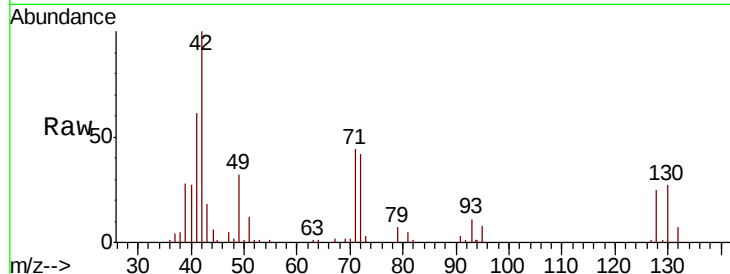




#29
Tetrahydrofuran
Concen: 108.256 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

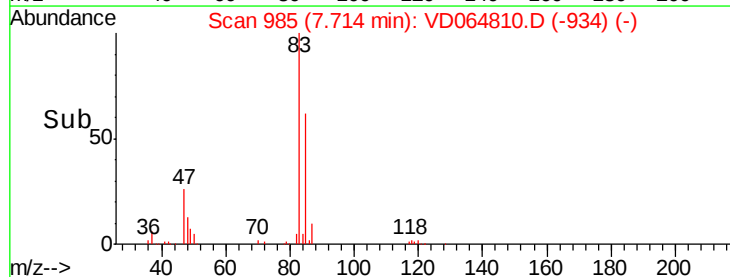
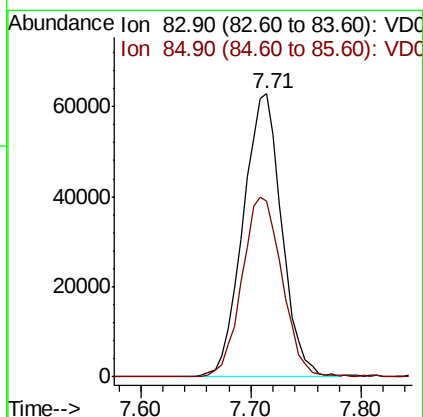
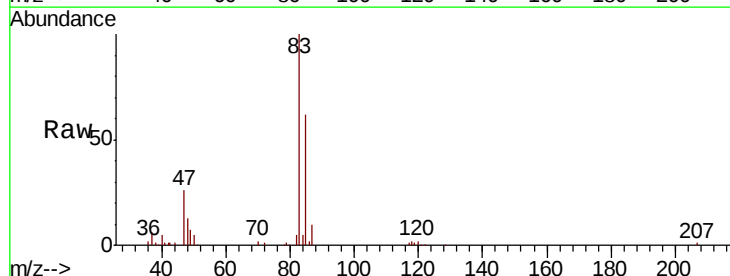
Instrument :
MSVOA_D
ClientSampled :

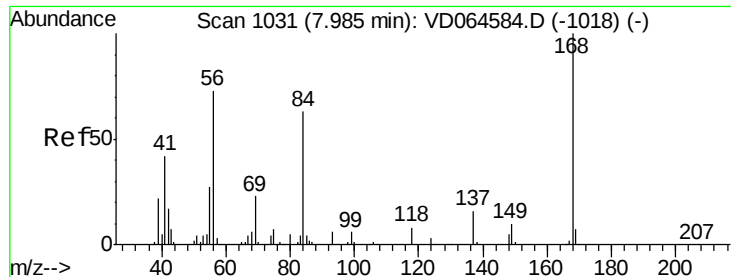
Tot Ion: 42 Resp: 64448
Ion Ratio Lower Upper
42 100
72 42.3 35.0 52.4
71 41.0 32.9 49.3



#30
Chloroform
Concen: 22.682 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 83 Resp: 154376
Ion Ratio Lower Upper
83 100
85 62.3 51.1 76.7

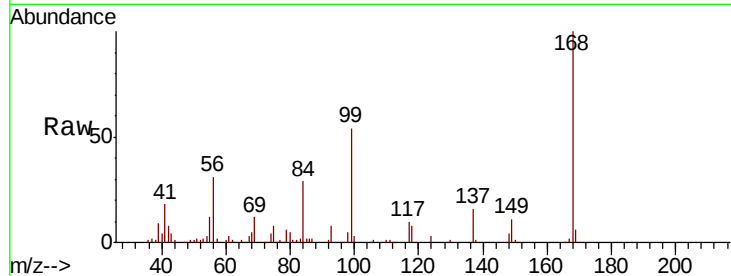




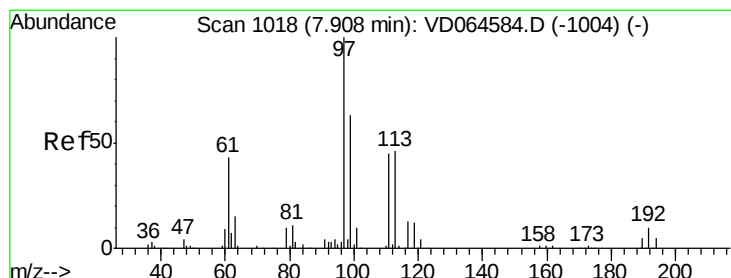
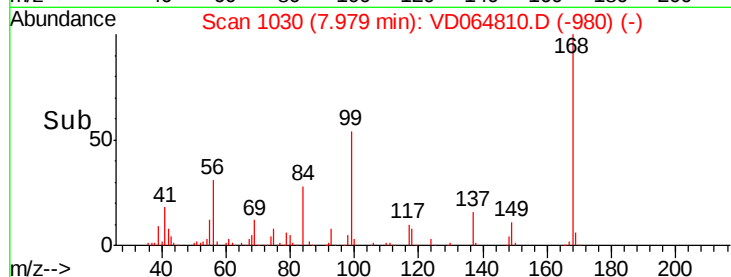
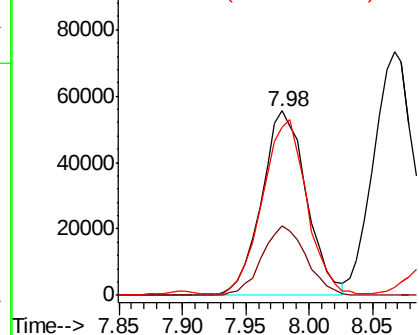
#31
Cyclohexane
Concen: 21.101 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 137025
Ion Ratio Lower Upper
56 100
69 38.0 24.7 37.1#
84 89.7 69.4 104.2

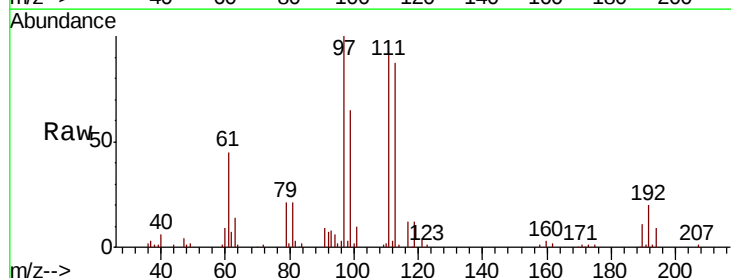


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

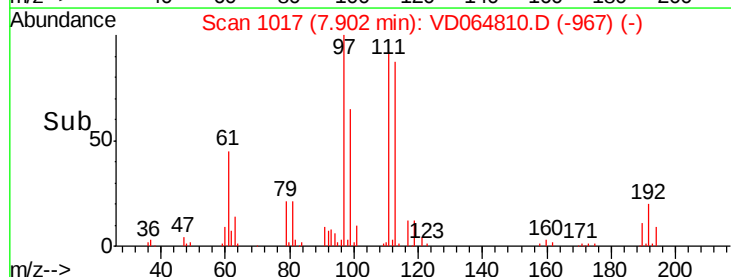
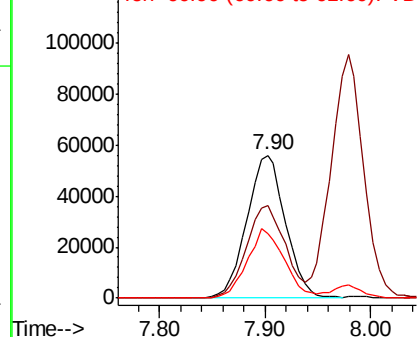


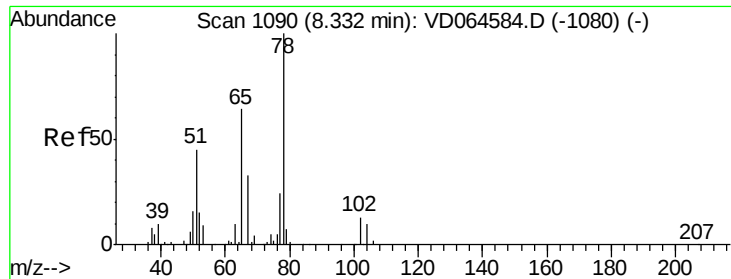
#32
1,1,1-Trichloroethane
Concen: 22.258 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 97 Resp: 142288
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.6
61 46.3 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: 49.938 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

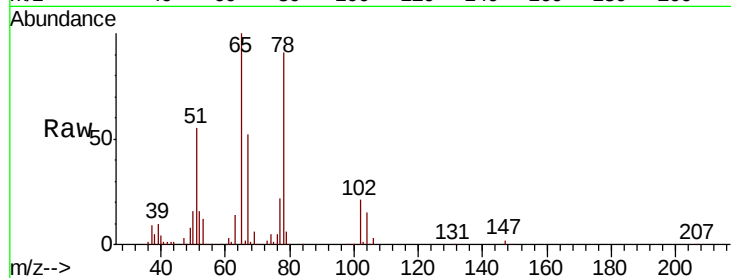
ClientSampleId :

Tot Ion: 65 Resp: 173920

Ion Ratio Lower Upper

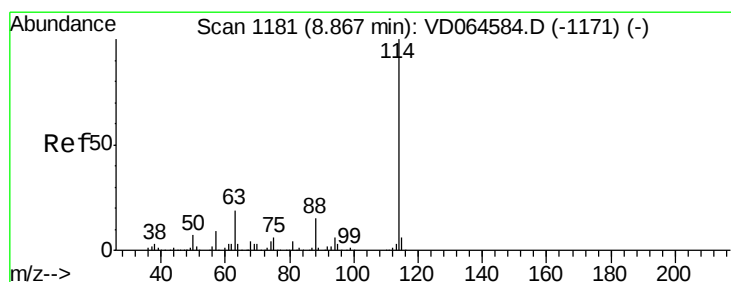
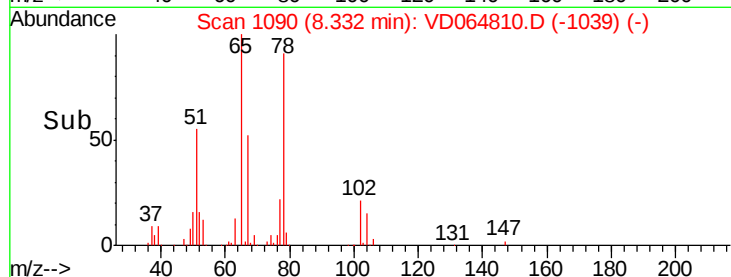
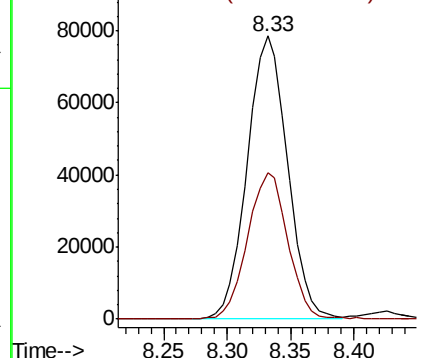
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

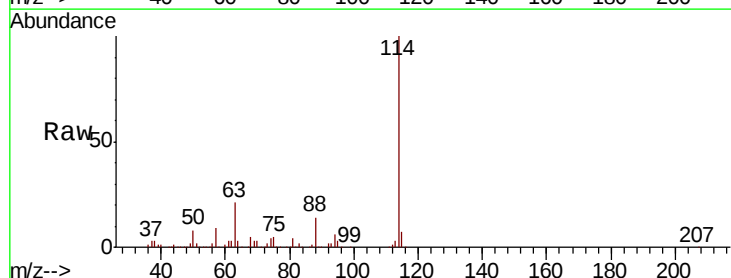
Tgt Ion: 114 Resp: 571438

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

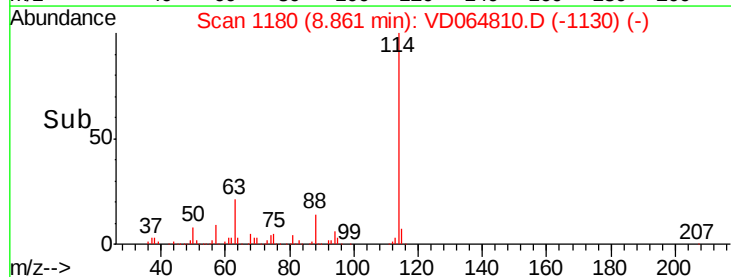
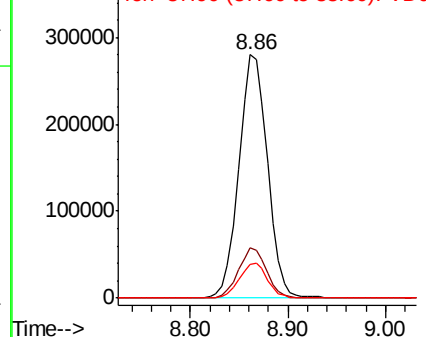
88 14.0 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

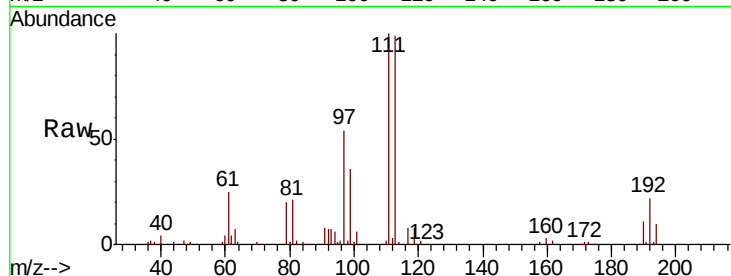




#35
 Dibromofluoromethane
 Concen: 49.663 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.6	121.0
192	22.2	17.9	26.9

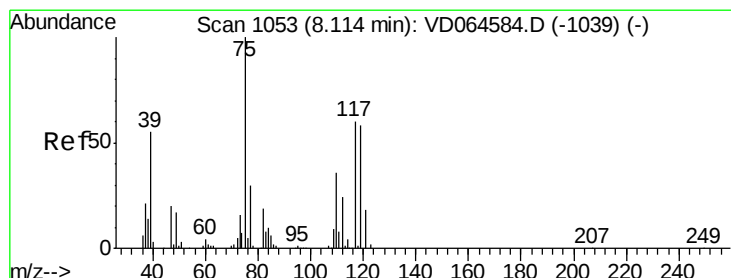
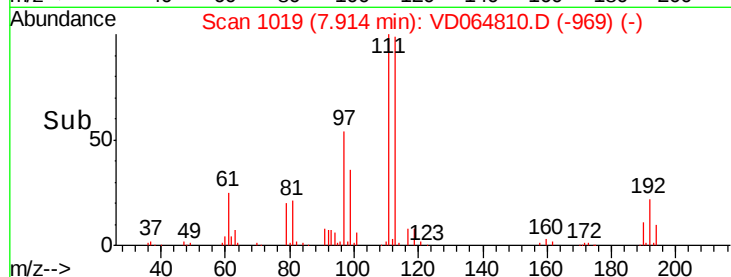
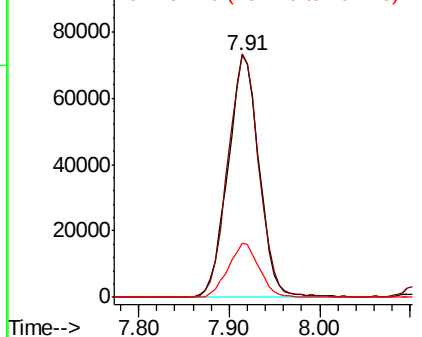


Abundance

Ion 112.80 (112.50 to 113.50): V

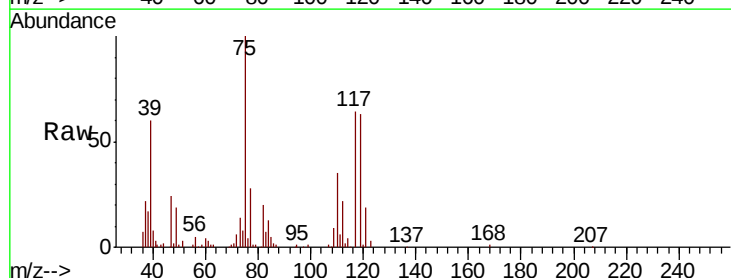
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.921 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.1
77	31.2	24.2	36.4

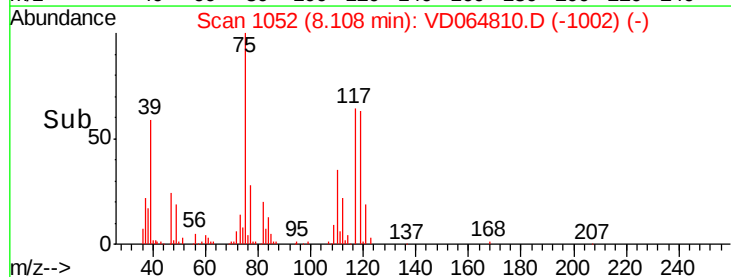
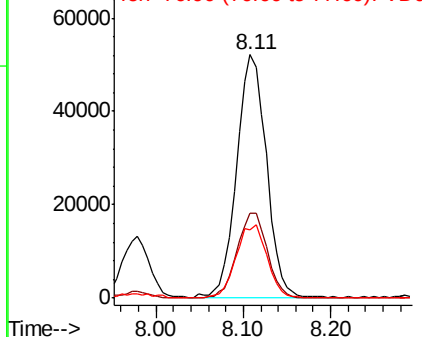


Abundance

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

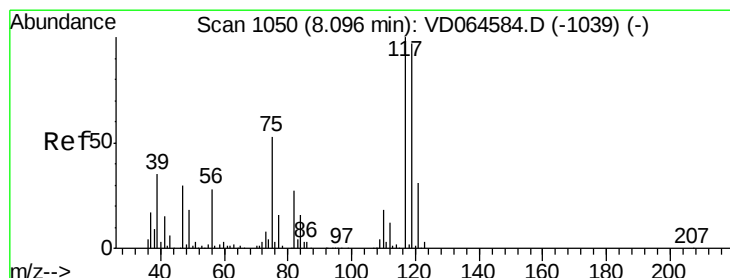
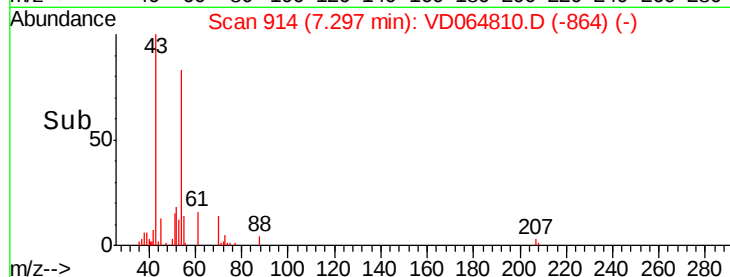
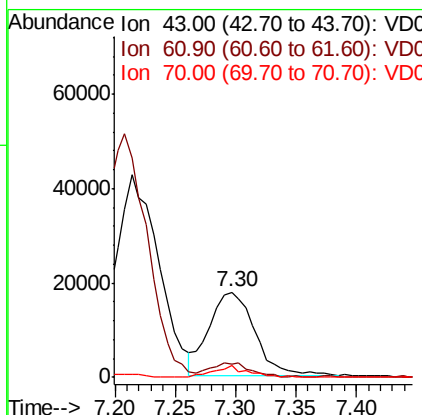
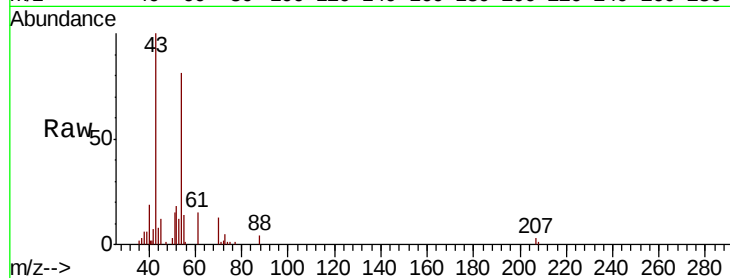




#37
Ethyl Acetate
Concen: 21.508 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

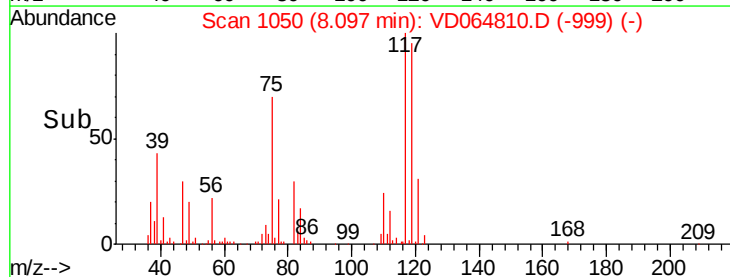
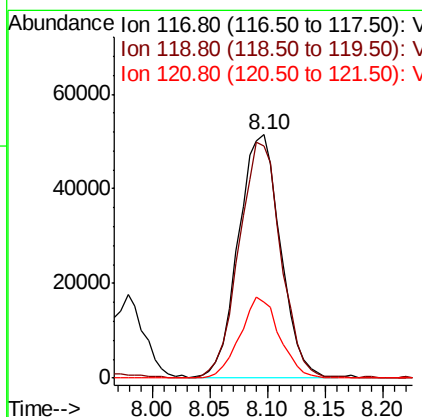
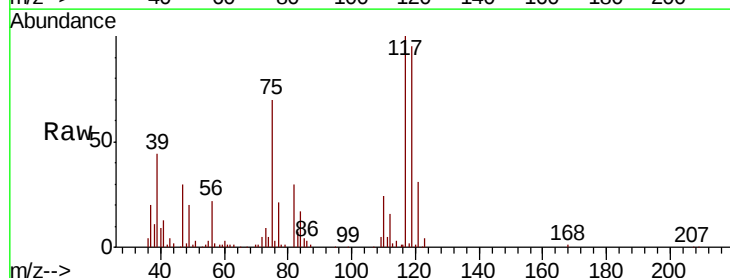
Instrument :
MSVOA_D
ClientSampleId :

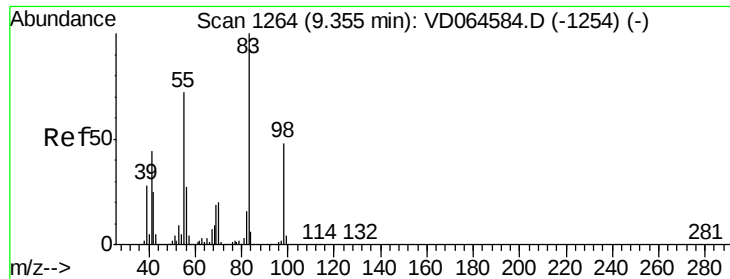
Tot Ion: 43 Resp: 46473
Ion Ratio Lower Upper
43 100
61 15.2 10.3 15.5
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 22.079 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 117 Resp: 129489
Ion Ratio Lower Upper
117 100
119 95.9 77.3 115.9
121 31.1 25.0 37.6

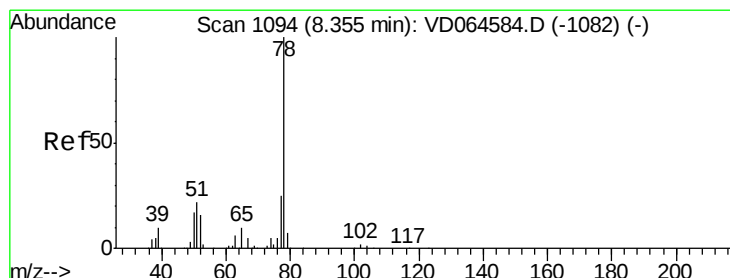
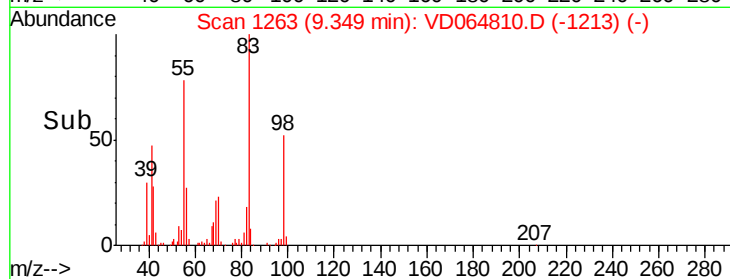
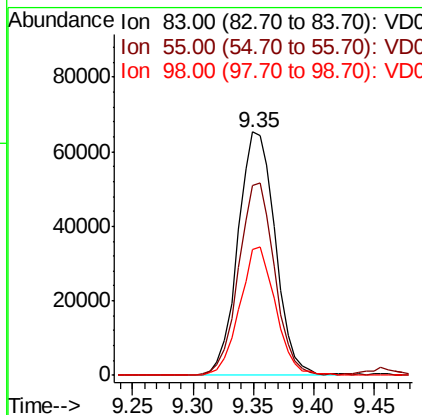
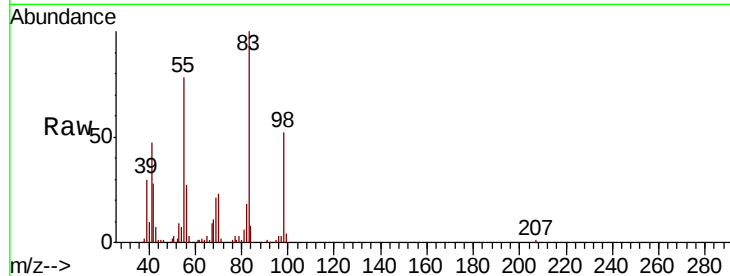




#39
Methvlcvclohexane
Concen: 21.122 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

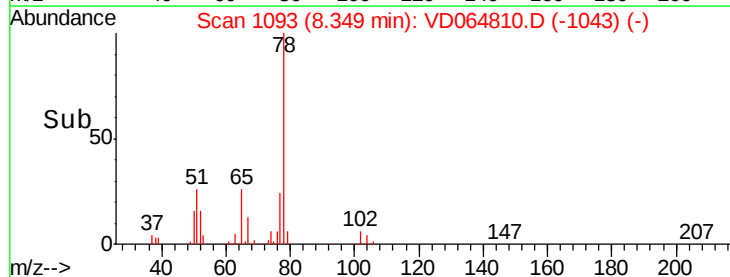
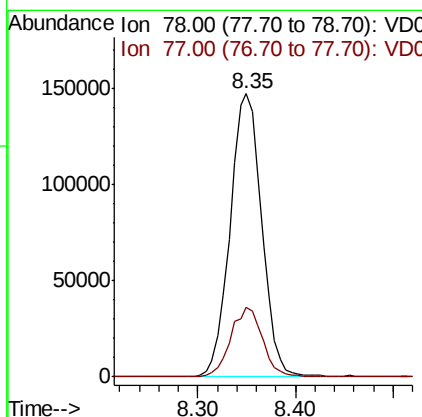
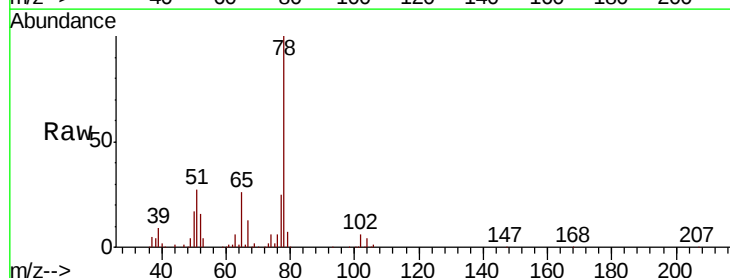
Instrument :
MSVOA_D
ClientSampleId :

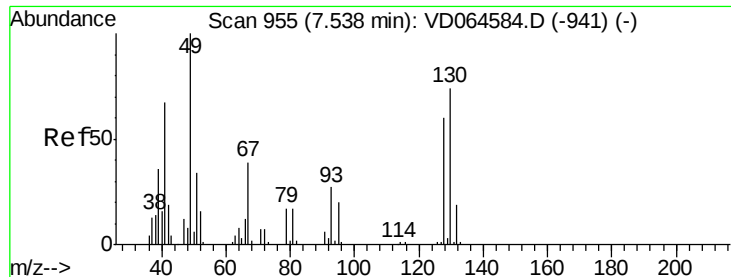
Tot Ion: 83 Resp: 140707
Ion Ratio Lower Upper
83 100
55 78.2 57.8 86.6
98 51.8 38.7 58.1



#40
Benzene
Concen: 22.113 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 78 Resp: 332017
Ion Ratio Lower Upper
78 100
77 24.5 19.9 29.9

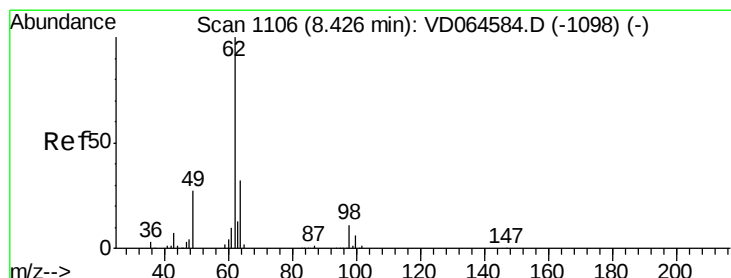
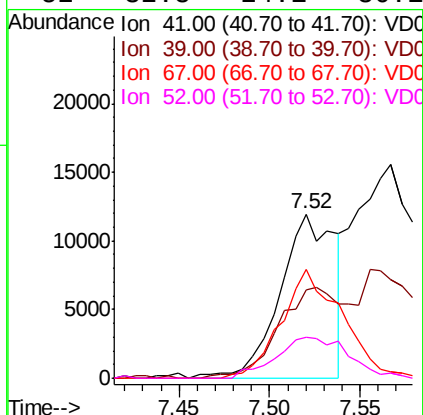
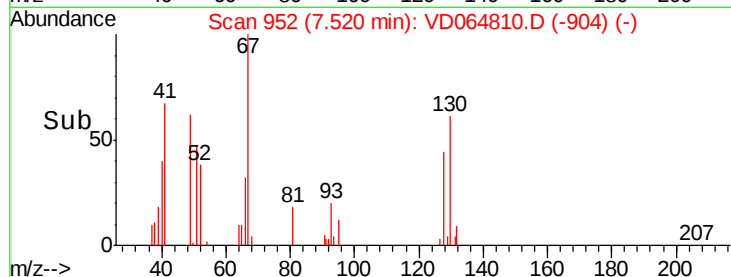
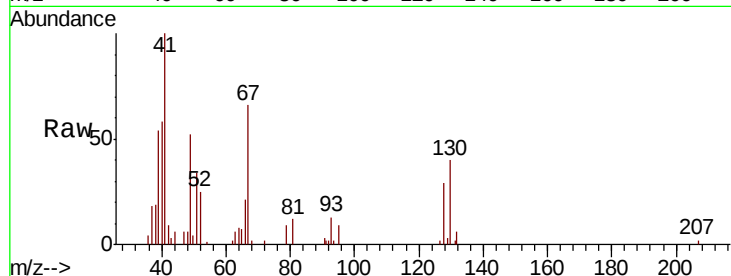




#41
Methacrylonitrile
Concen: 20.254 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

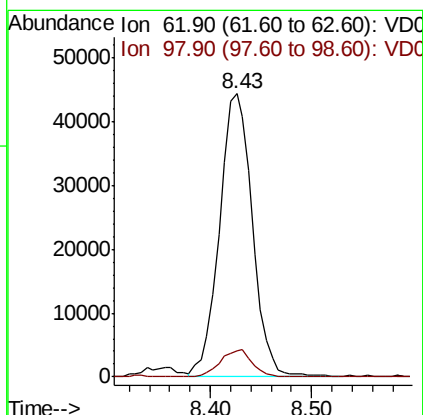
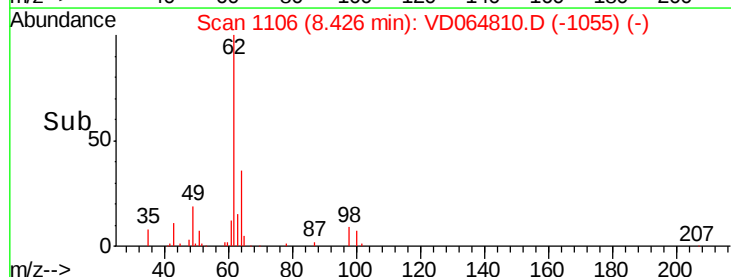
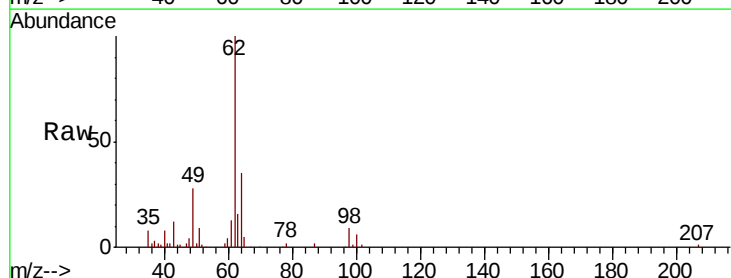
Instrument :
MSVOA_D
ClientSampleId :

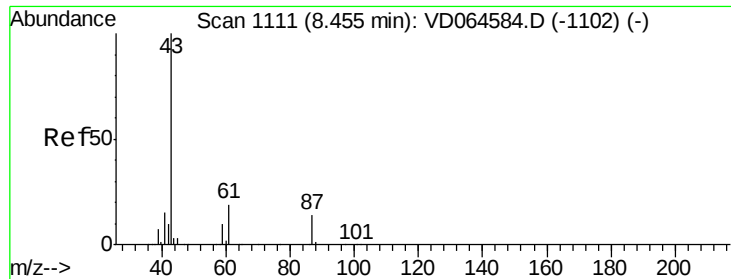
Tot Ion: 41 Resp: 25391
Ion Ratio Lower Upper
41 100
39 65.5 46.7 70.1
67 74.0 52.5 78.7
52 32.8 24.1 36.1



#42
1,2-Dichloroethane
Concen: 23.007 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 62 Resp: 99822
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.0



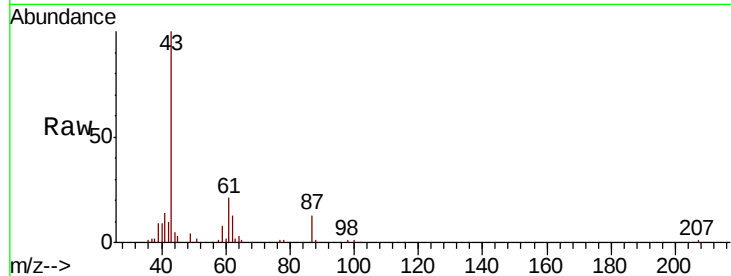


#43

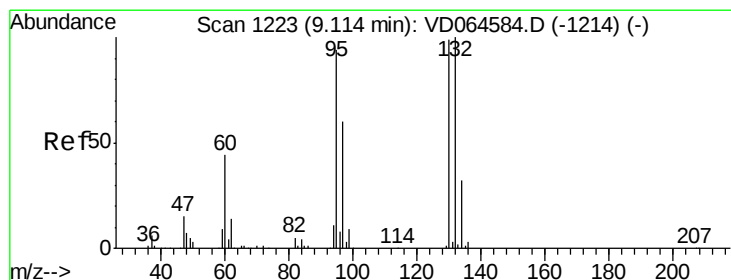
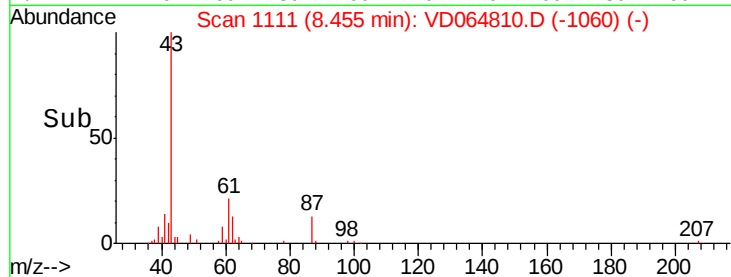
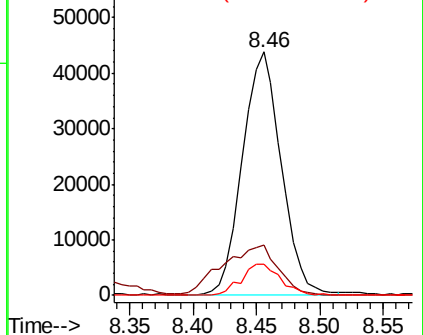
Isopropyl Acetate
 Concen: 21.767 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	93613
Ion Ratio	Lower	Upper	
43	100		
61	29.6	23.7	35.5
87	12.7	10.5	15.7



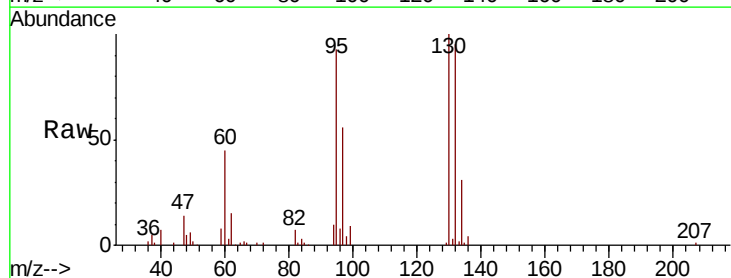
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



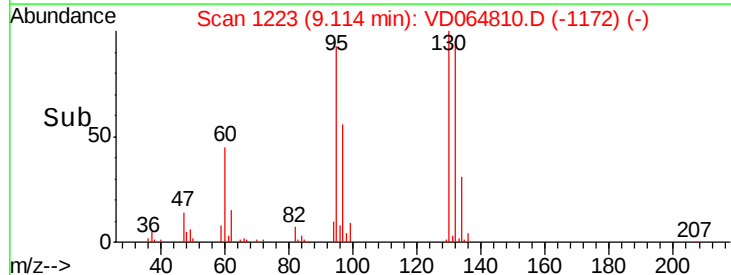
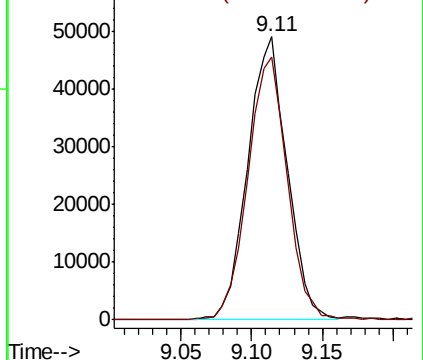
#44

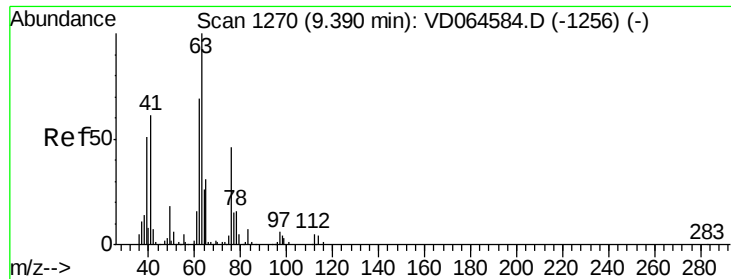
Trichloroethene
 Concen: 21.856 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	130	Resp	96404
Ion Ratio	Lower	Upper	
130	100		
95	92.9	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

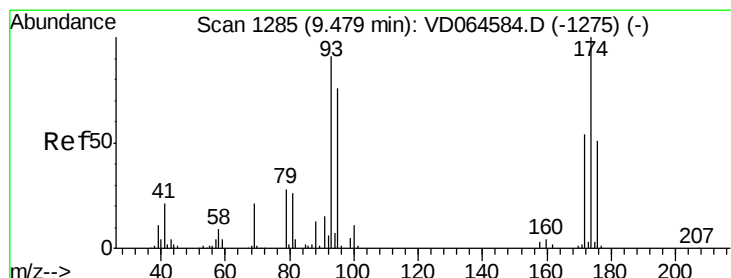
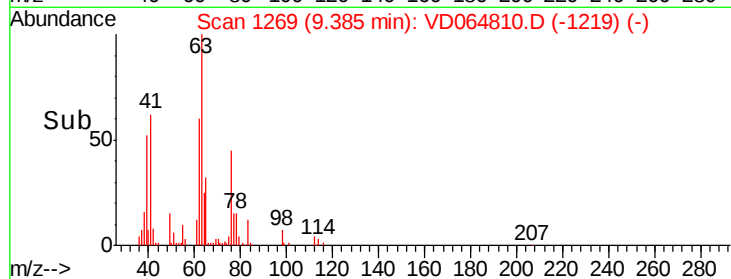
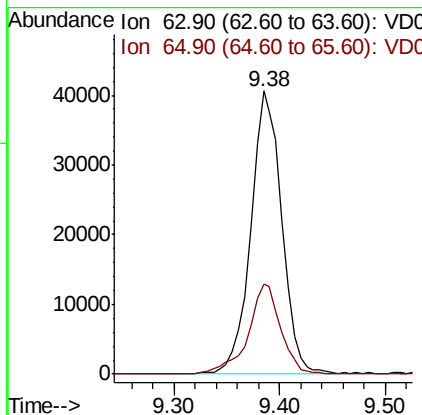
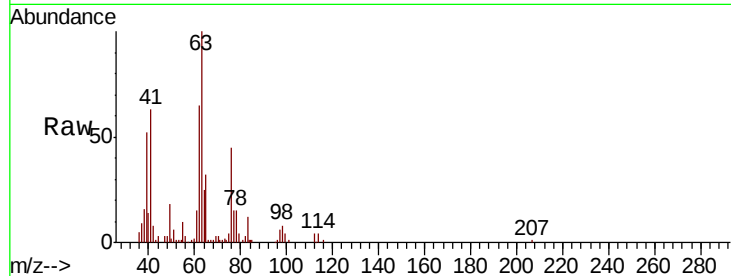




#45
 1,2-Dichloropropane
 Concen: 23.122 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

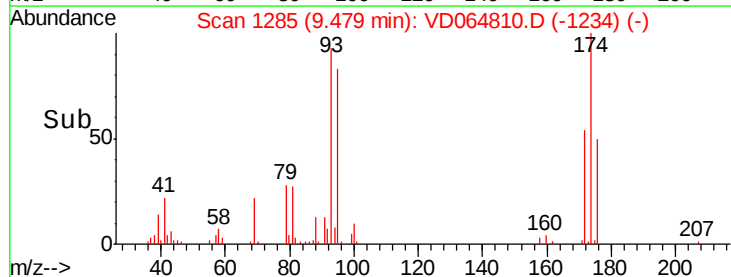
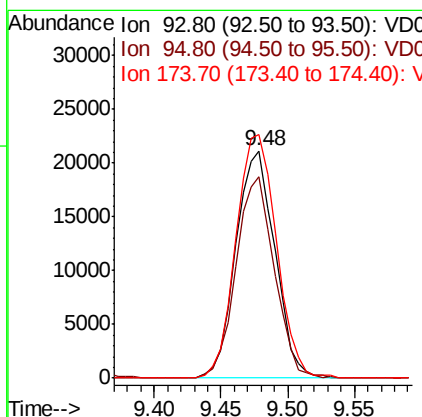
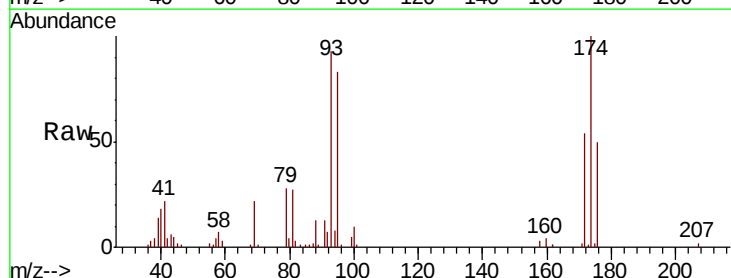
Instrument :
 MSVOA_D
 ClientSampleId :

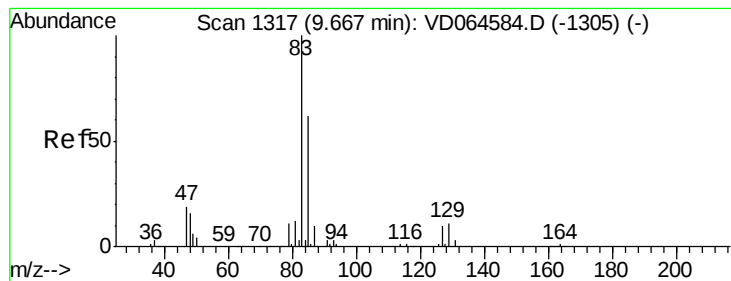
Tot Ion: 63 Resp: 82892
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.2 37.8



#46
 Dibromomethane
 Concen: 21.429 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 93 Resp: 42830
 Ion Ratio Lower Upper
 93 100
 95 86.8 64.6 97.0
 174 111.3 88.1 132.1





#47

Bromodichloromethane

Concen: 22.317 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

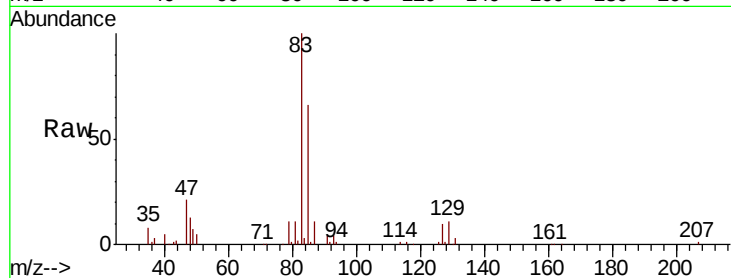
Tot Ion: 83 Resp: 118693

Ion Ratio Lower Upper

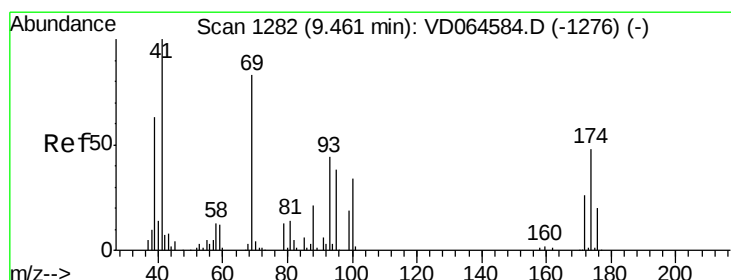
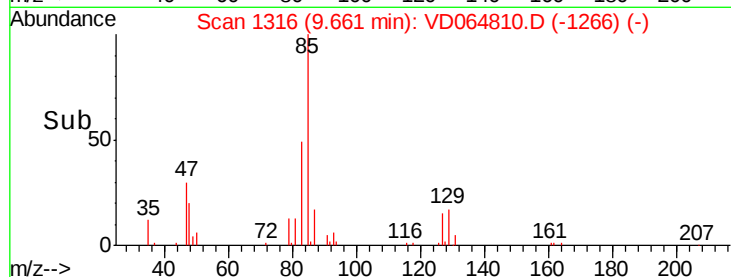
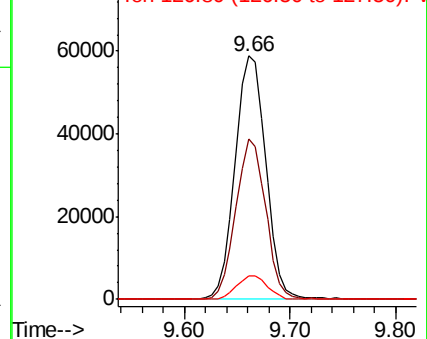
83 100

85 65.9 49.5 74.3

127 9.8 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): VDC



#48

Methyl methacrylate

Concen: 20.783 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

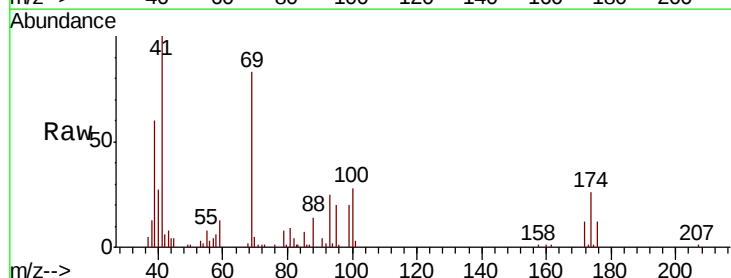
Tgt Ion: 41 Resp: 42085

Ion Ratio Lower Upper

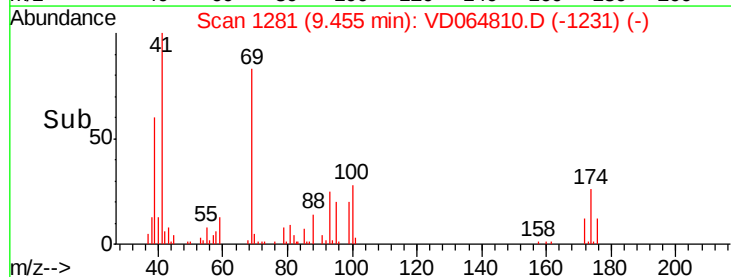
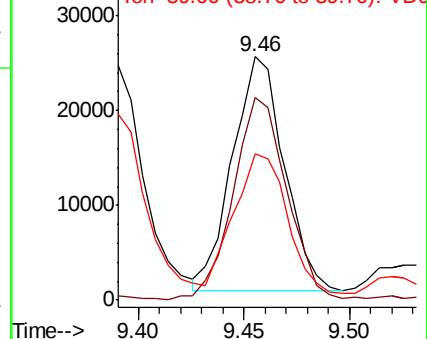
41 100

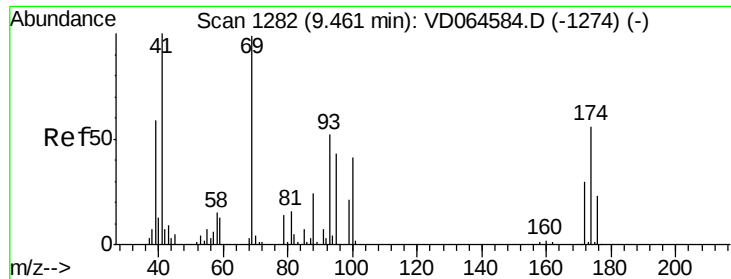
69 89.6 63.0 94.6

39 60.8 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

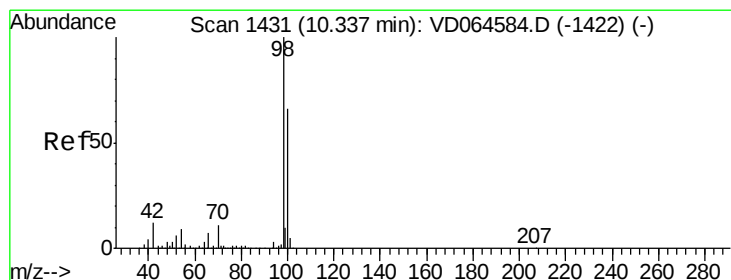
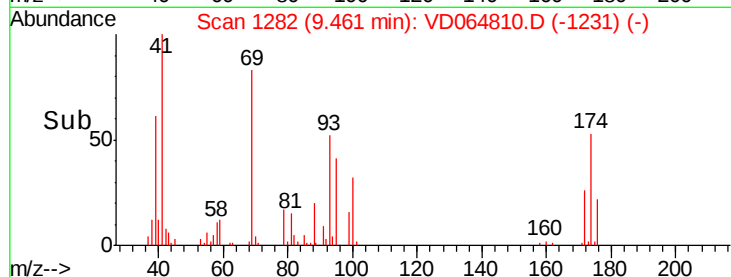
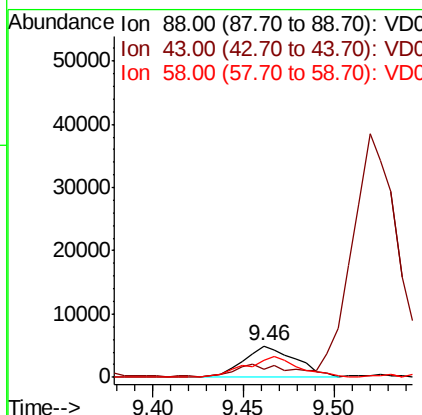
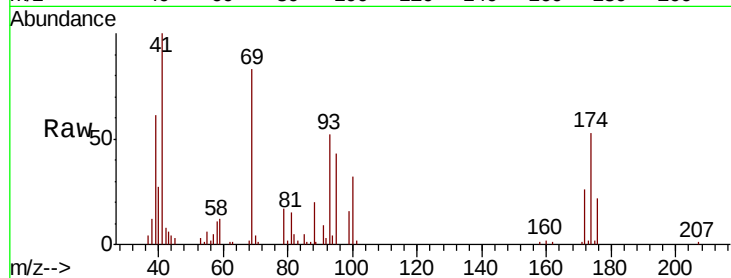




#49
1,4-Dioxane
Concen: 425.312 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

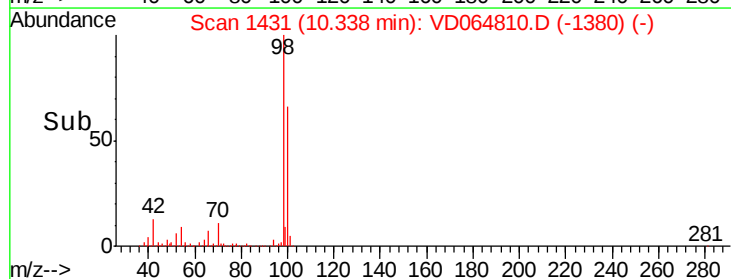
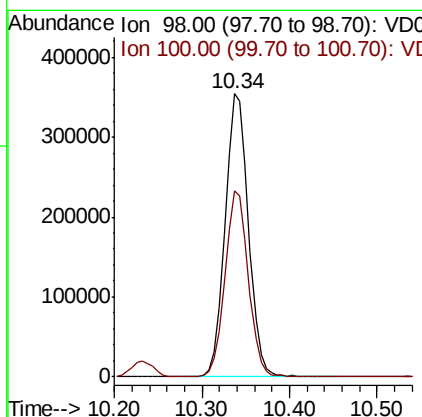
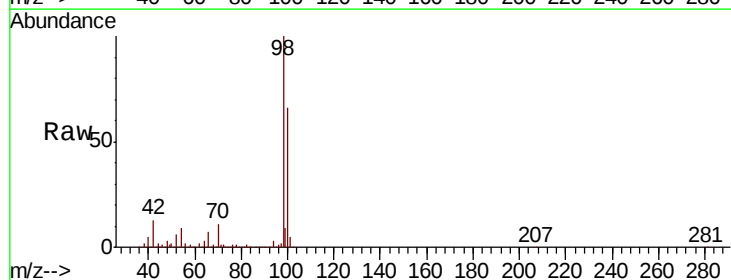
Instrument :
MSVOA_D
ClientSampleId :

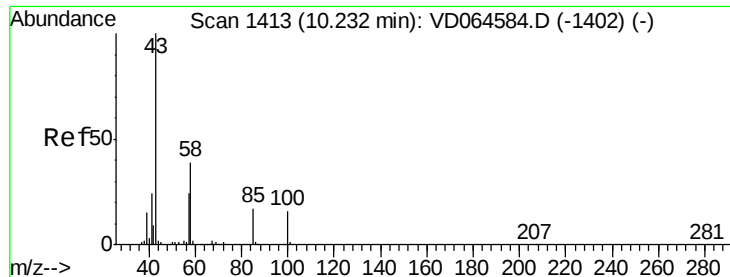
Tot Ion: 88 Resp: 9802
Ion Ratio Lower Upper
88 100
43 45.8 27.7 41.5#
58 67.1 53.8 80.6



#50
Toluene-d8
Concen: 48.207 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 98 Resp: 647280
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 109.367 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

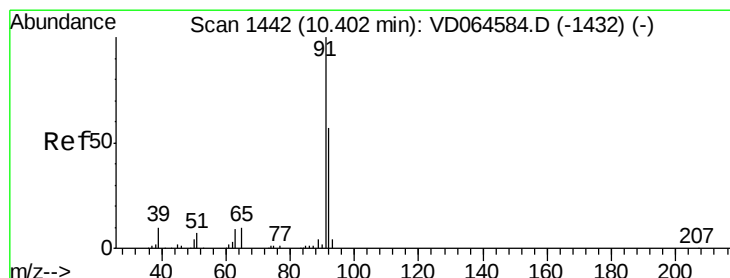
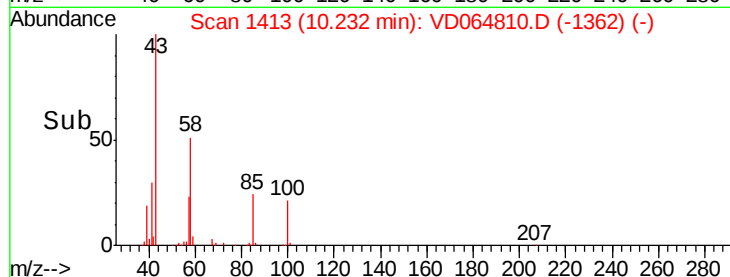
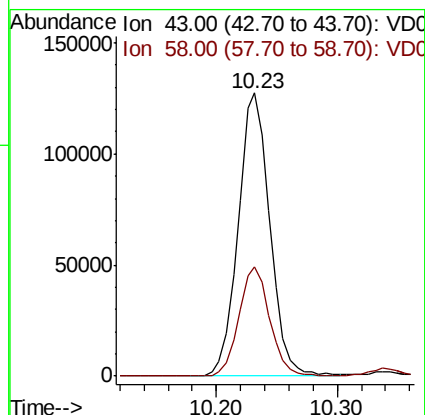
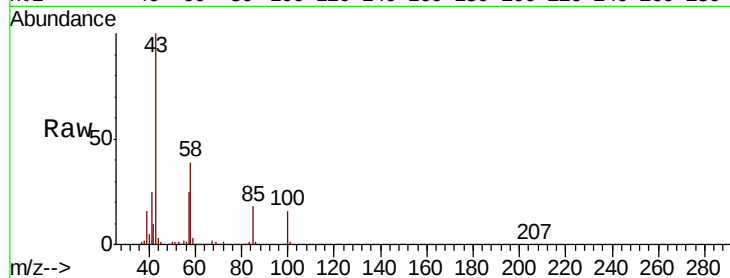
ClientSampled :

Tot Ion: 43 Resp: 232486

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2



#52

Toluene

Concen: 21.903 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064810.D

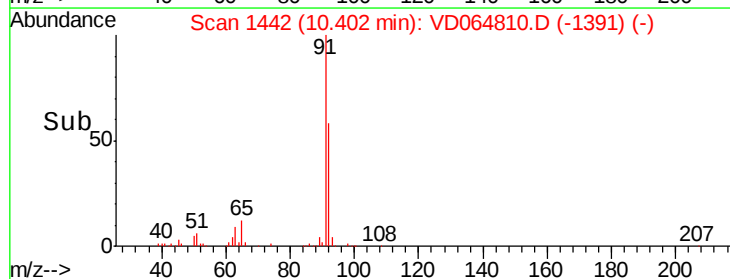
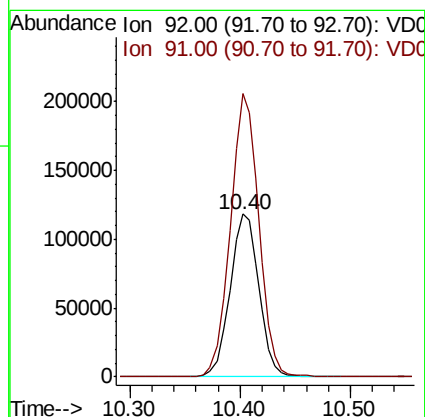
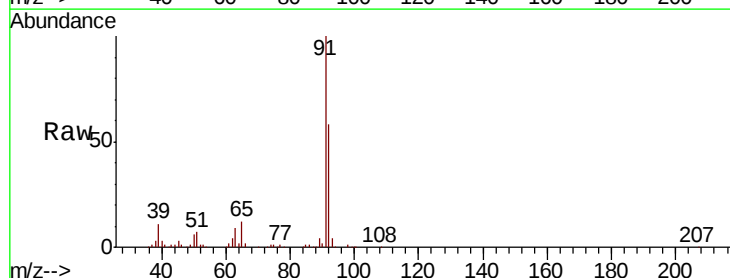
Acq: 09 Jan 2020 12:00

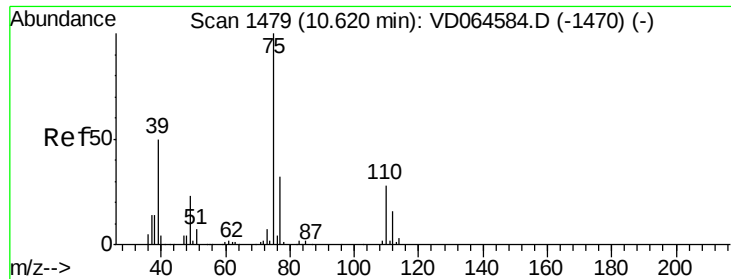
Tgt Ion: 92 Resp: 215757

Ion Ratio Lower Upper

92 100

91 172.1 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.602 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

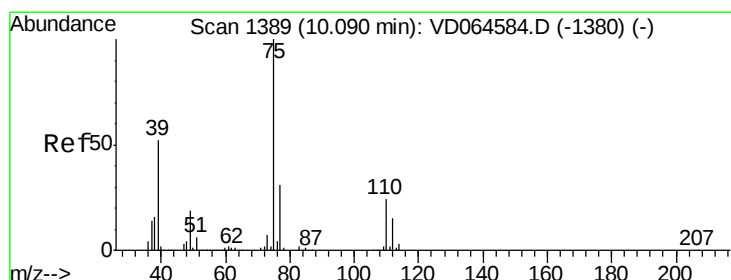
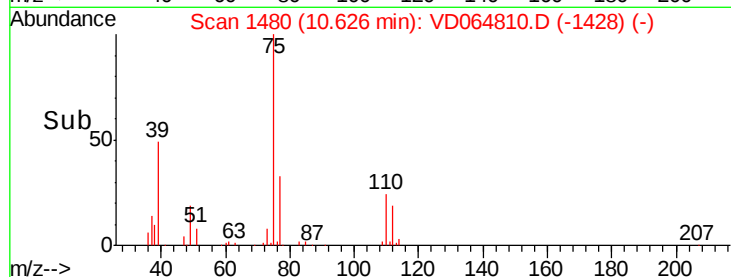
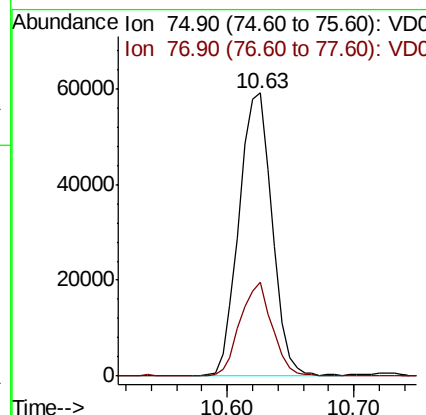
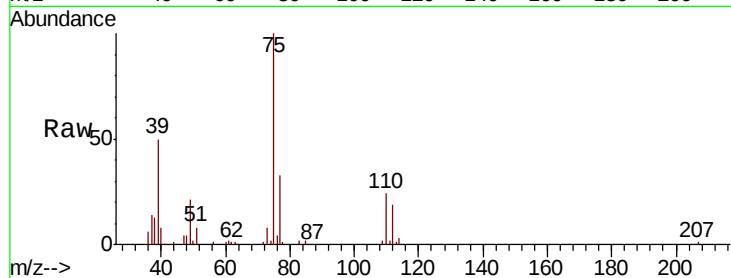
ClientSampleId :

Tot Ion: 75 Resp: 107114

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.944 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

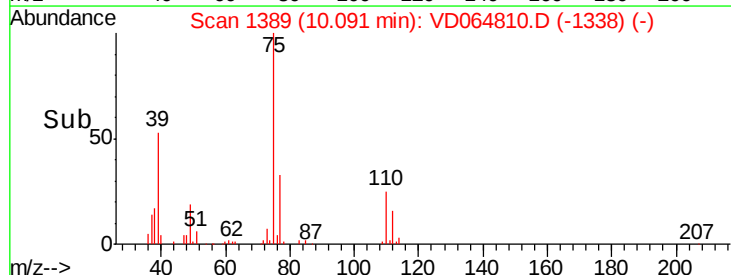
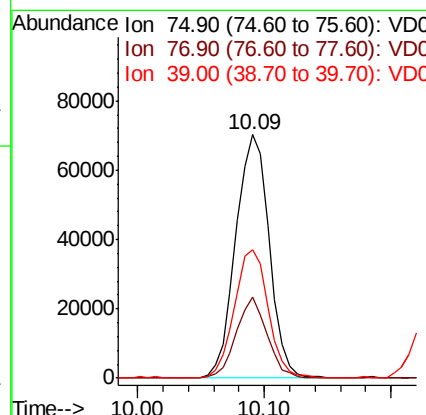
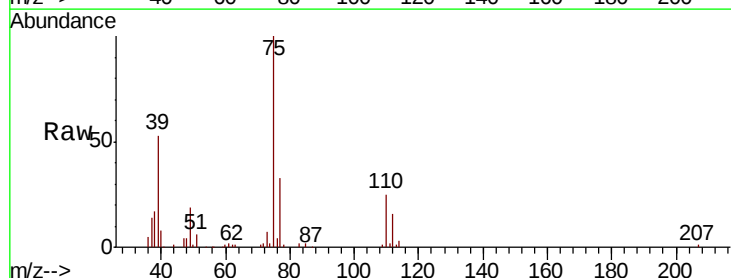
Tgt Ion: 75 Resp: 128301

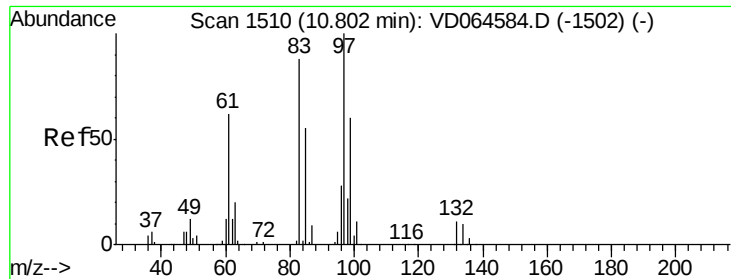
Ion Ratio Lower Upper

75 100

77 33.4 24.6 36.8

39 52.3 41.4 62.2

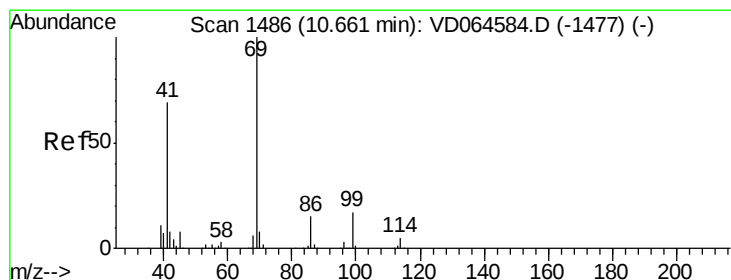
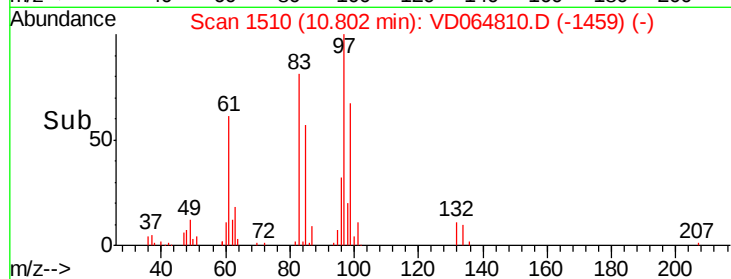
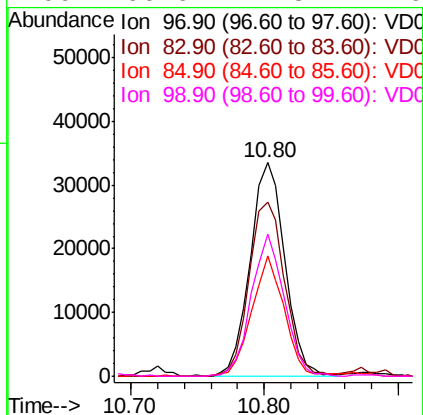
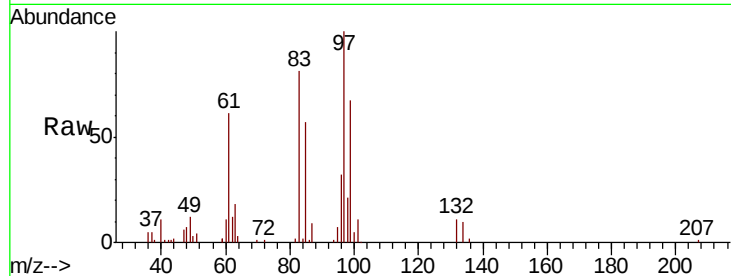




#55
 1,1,2-Trichloroethane
 Concen: 22.349 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

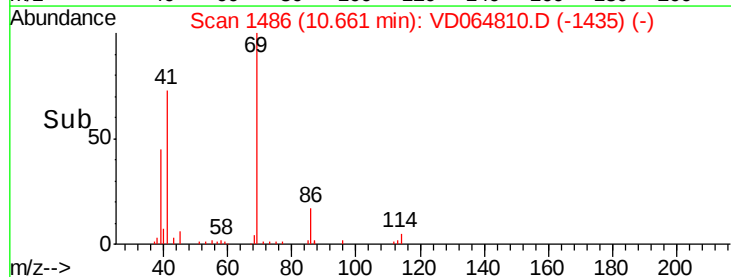
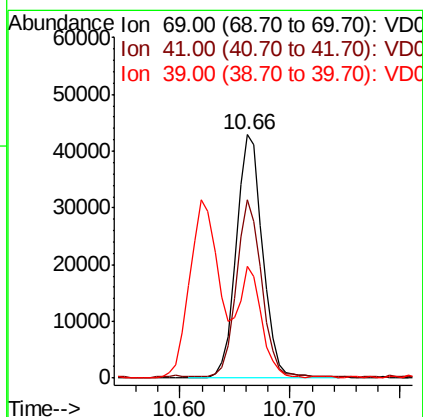
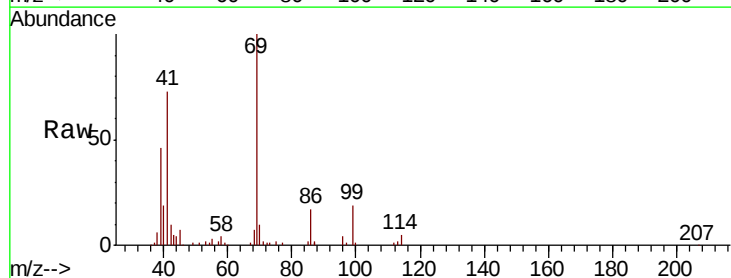
Instrument :
 MSVOA_D
 ClientSampleId :

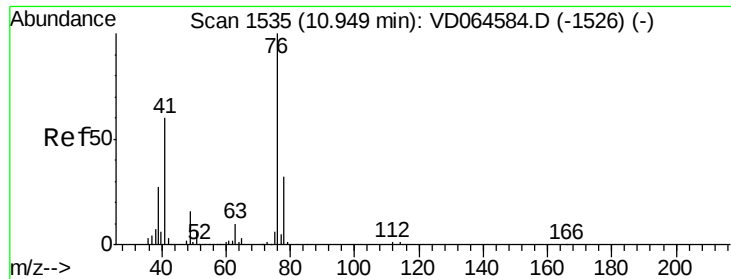
Tot Ion:	97	Resp:	60199
Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.4
85	56.5	44.0	66.0
99	66.6	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 21.551 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion:	69	Resp:	72497
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.3	82.9
39	41.4	33.8	50.8

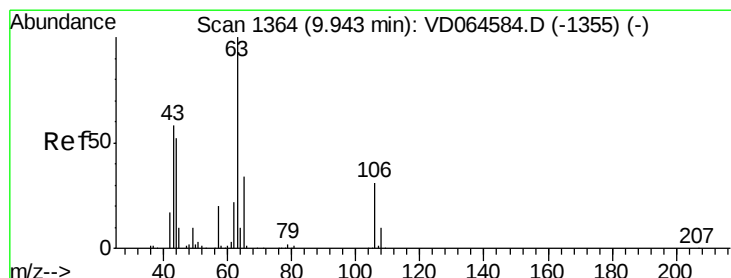
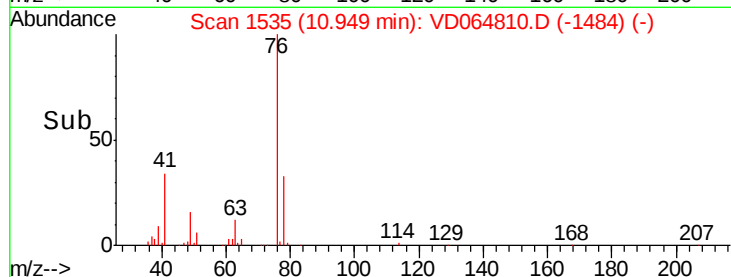
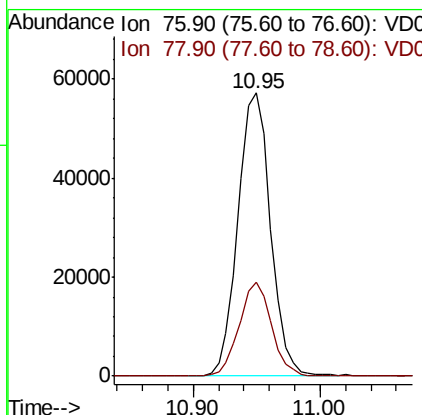
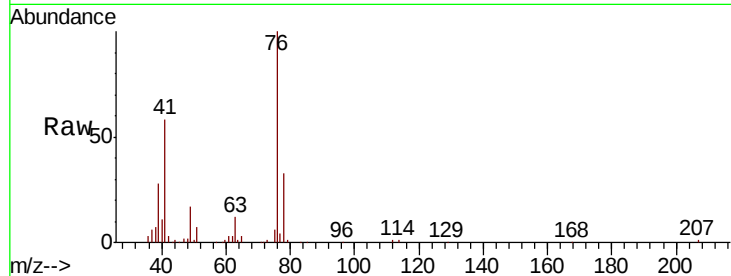




#57
 1,3-Dichloropropane
 Concen: 22.014 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

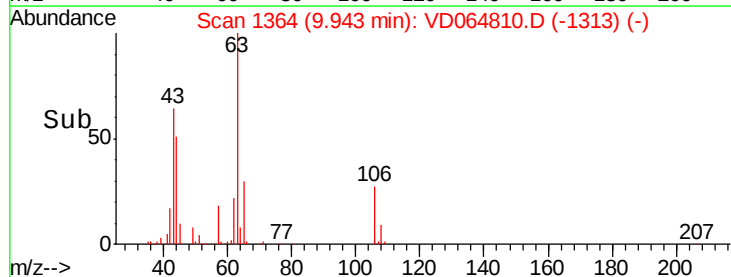
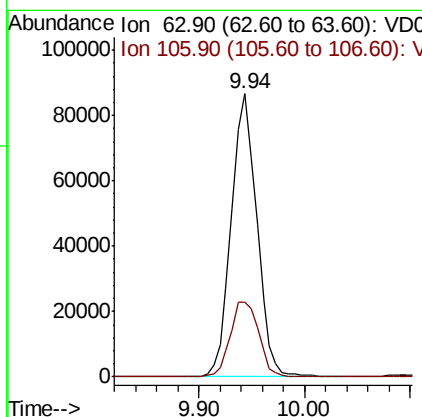
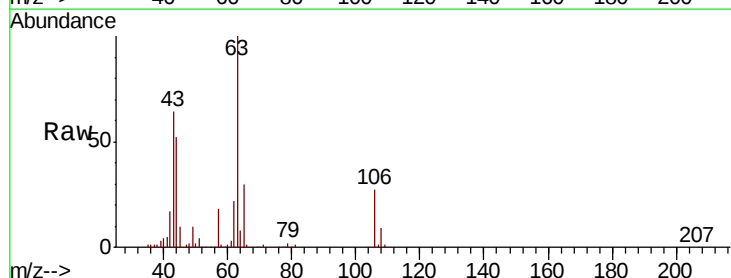
Instrument :
 MSVOA_D
 ClientSampleId :

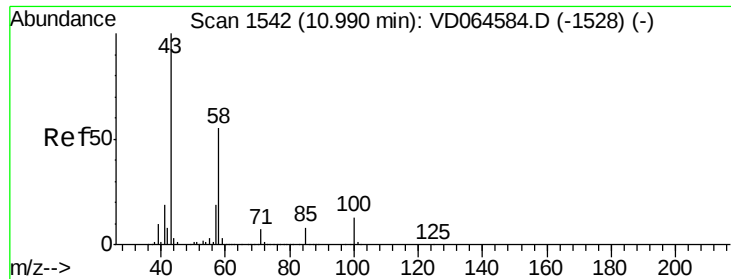
Tot Ion: 76 Resp: 102097
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.500 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 63 Resp: 145467
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.8

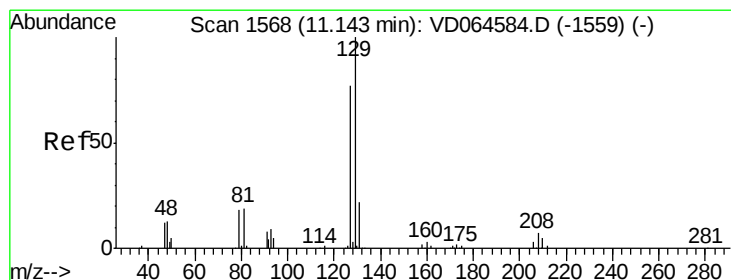
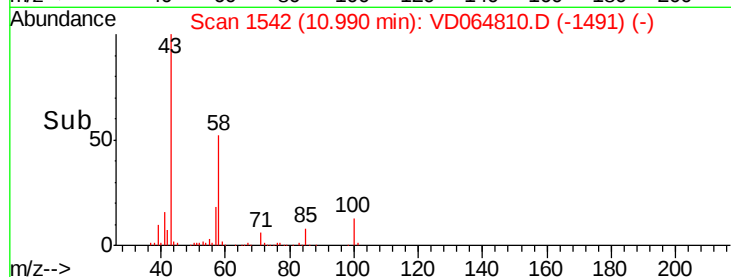
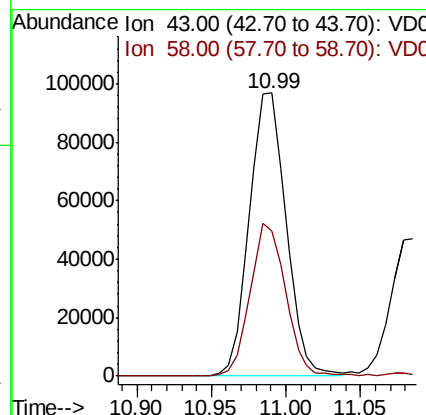
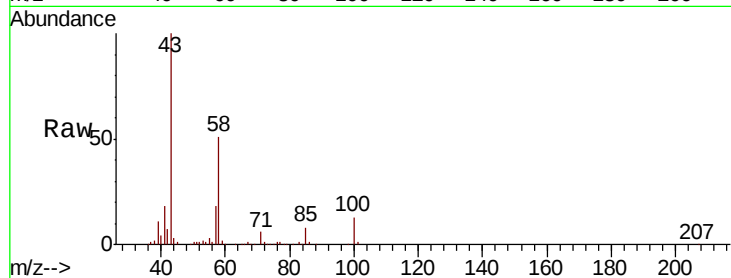




#59
2-Hexanone
Concen: 114.833 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

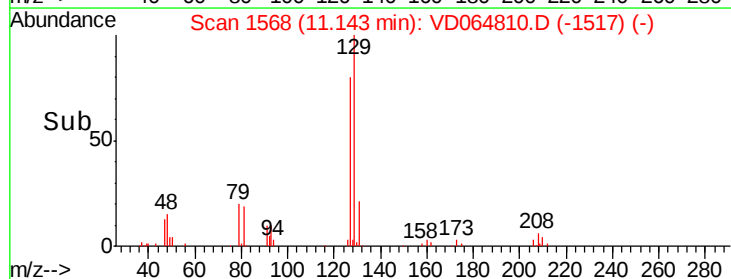
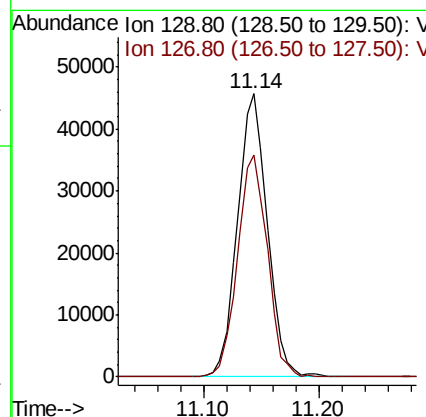
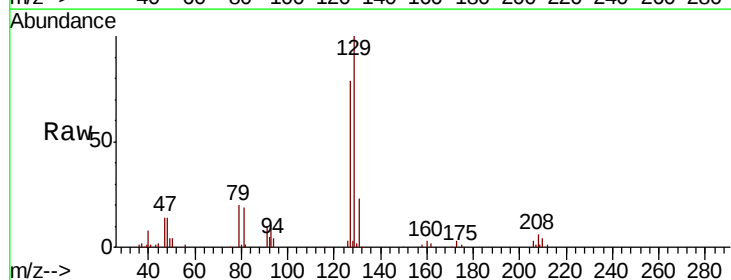
Instrument :
MSVOA_D
ClientSampleId :

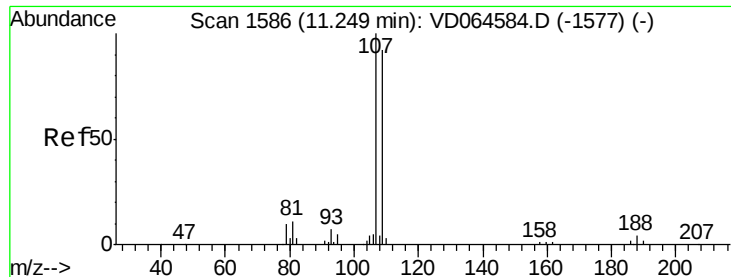
Tot Ion: 43 Resp: 165680
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 21.955 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 129 Resp: 81780
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.2

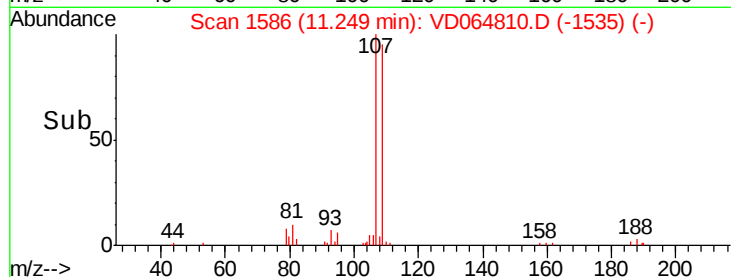
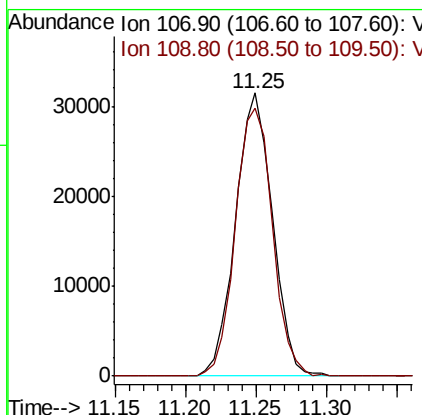
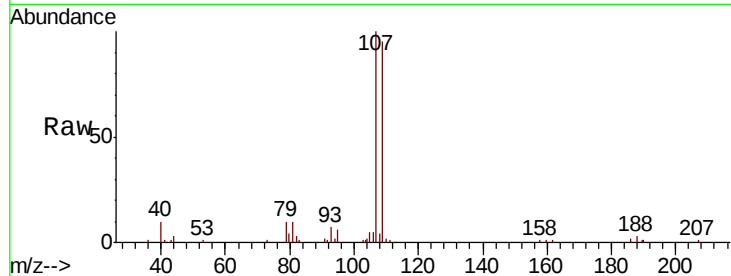




#61
 1,2-Dibromoethane
 Concen: 21.660 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

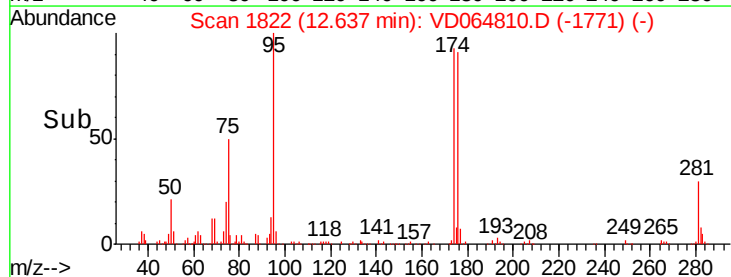
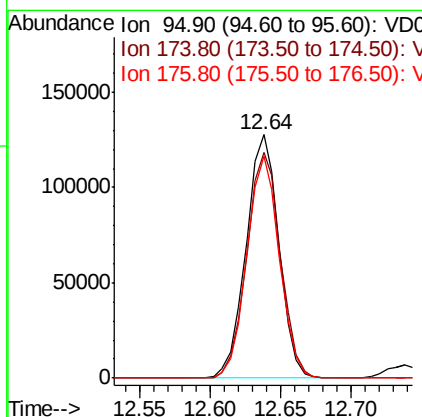
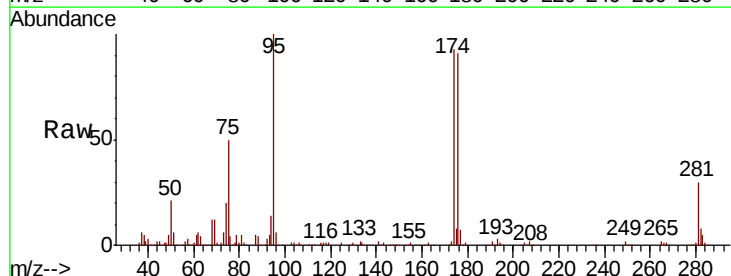
Instrument :
 MSVOA_D
 ClientSampleId :

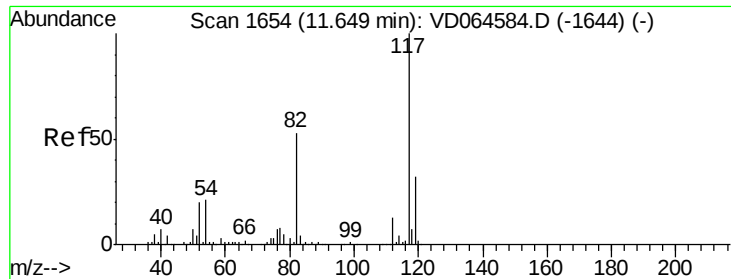
Tot Ion: 107 Resp: 57546
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.137 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 95 Resp: 208624
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 193.2
 176 90.3 0.0 184.2

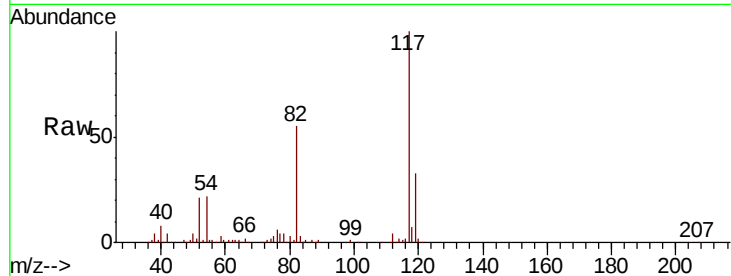




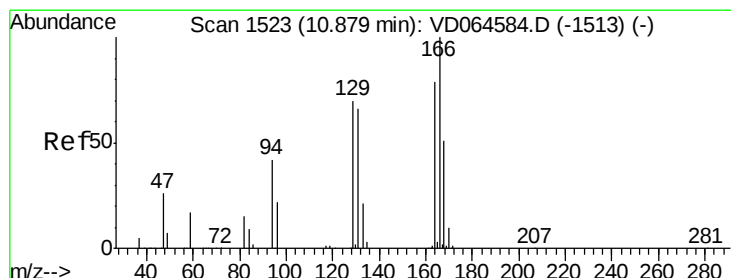
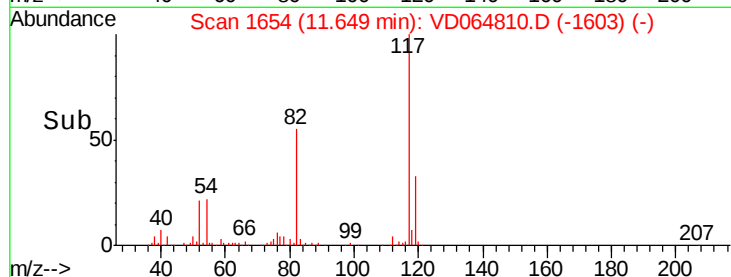
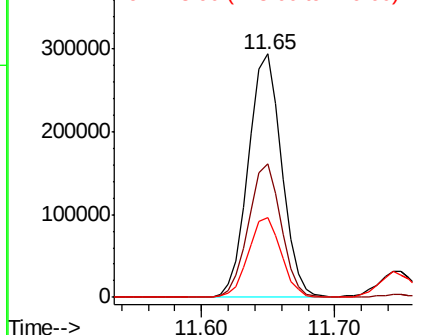
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 505903
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.4
119 32.5 26.0 39.0

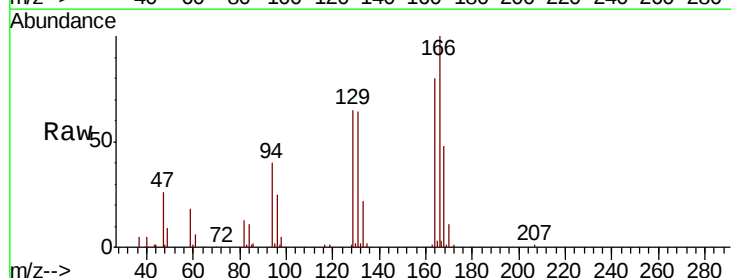


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

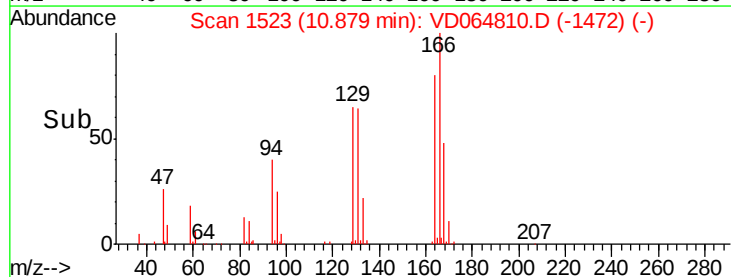
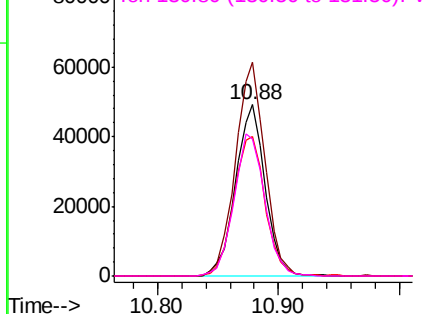


#64
Tetrachloroethene
Concen: 21.678 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:164 Resp: 84138
Ion Ratio Lower Upper
164 100
166 125.0 101.3 151.9
129 81.6 70.5 105.7
131 79.9 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

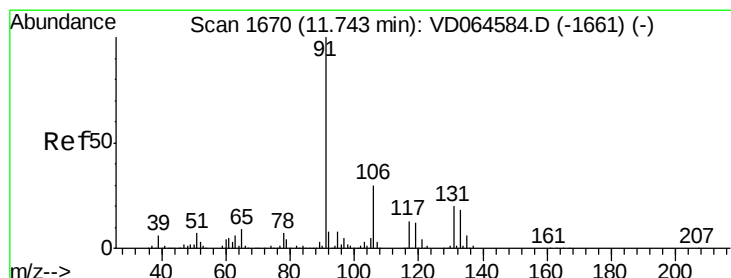
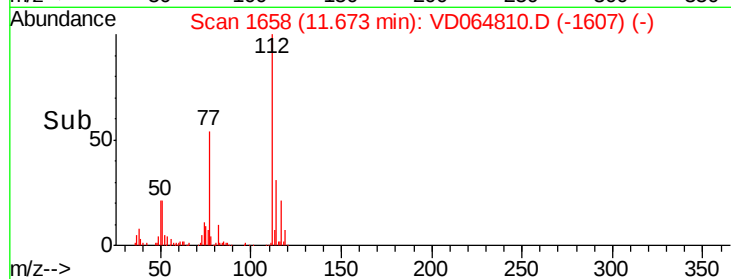
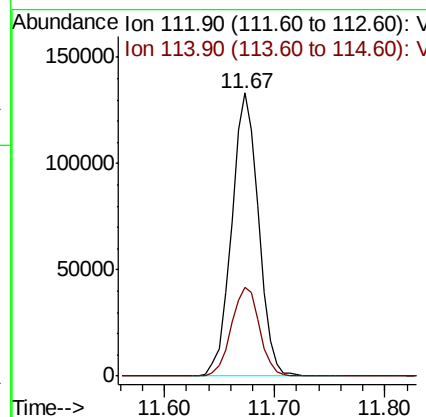
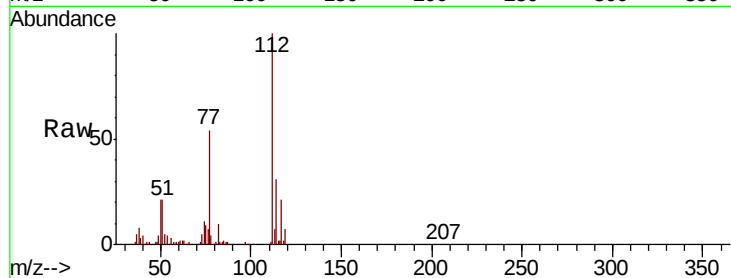




#65
Chlorobenzene
Concen: 21.596 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

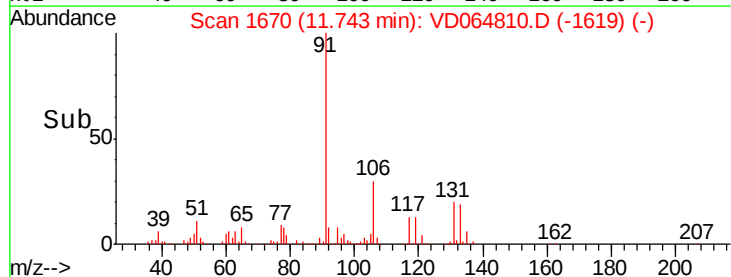
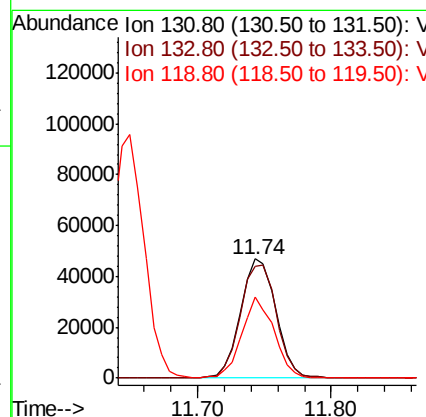
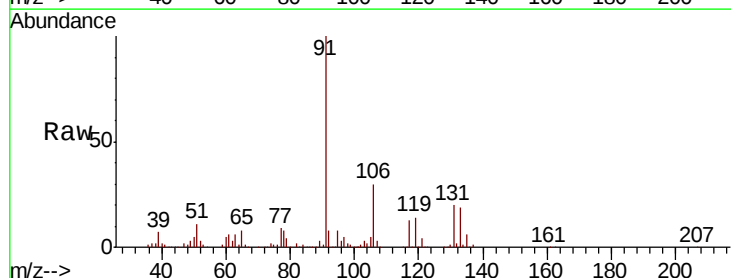
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 226754
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.669 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:131 Resp: 85773
Ion Ratio Lower Upper
131 100
133 97.8 48.3 144.8
119 62.4 32.1 96.3

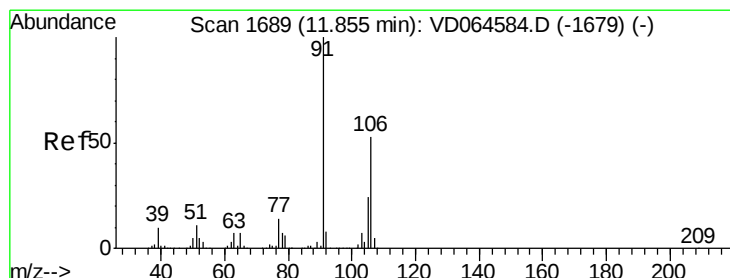
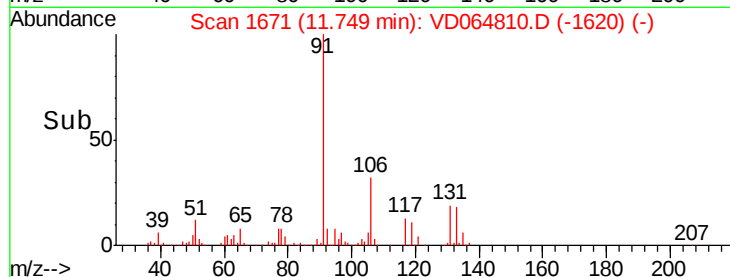
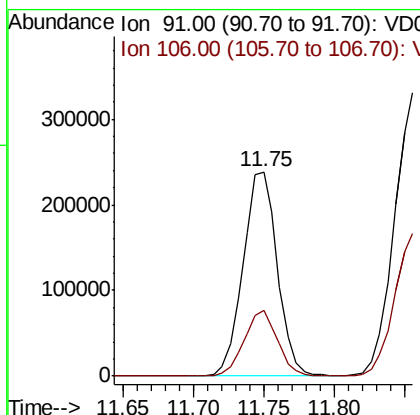
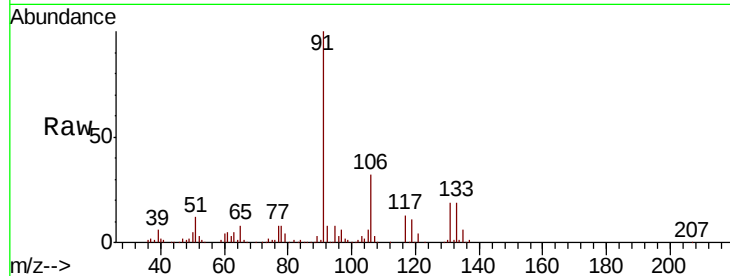




#67
Ethyl Benzene
Concen: 21.285 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

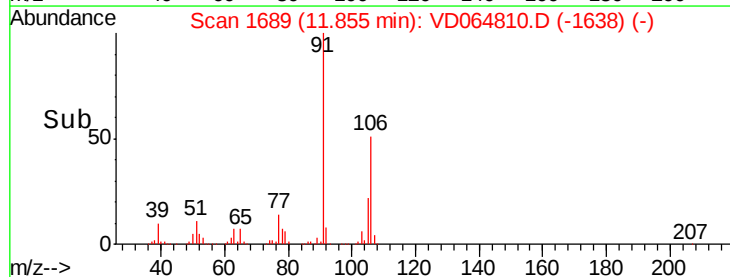
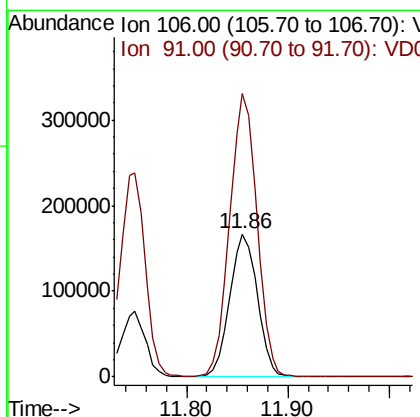
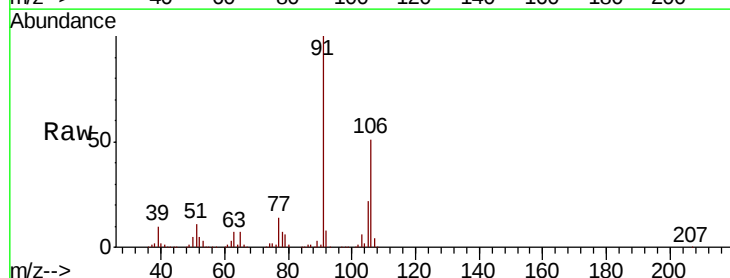
Instrument :
MSVOA_D
ClientSampled :

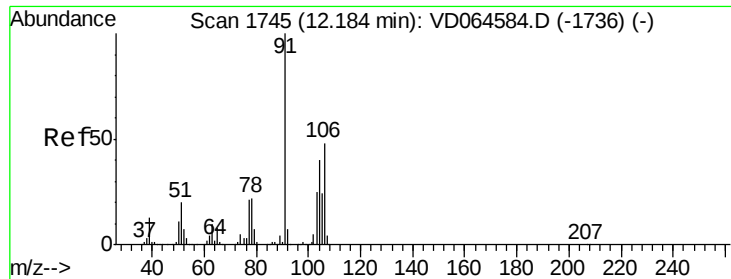
Tot Ion: 91 Resp: 405648
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8



#68
m/p-Xylenes
Concen: 43.001 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 106 Resp: 316316
Ion Ratio Lower Upper
106 100
91 195.8 156.3 234.5

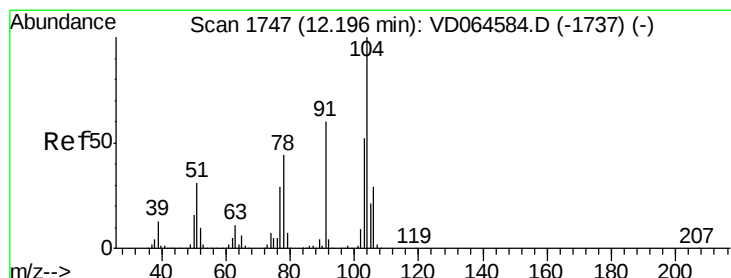
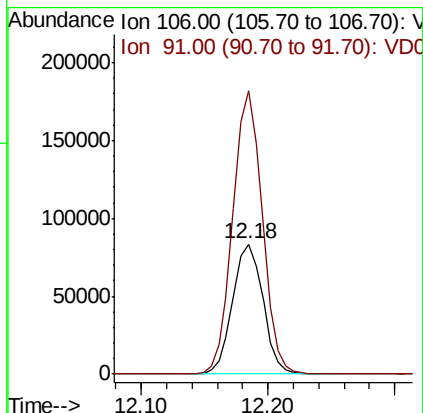
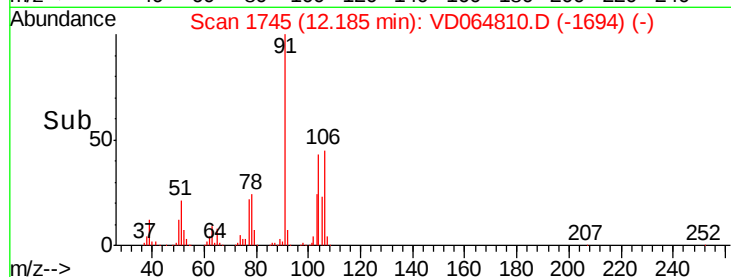
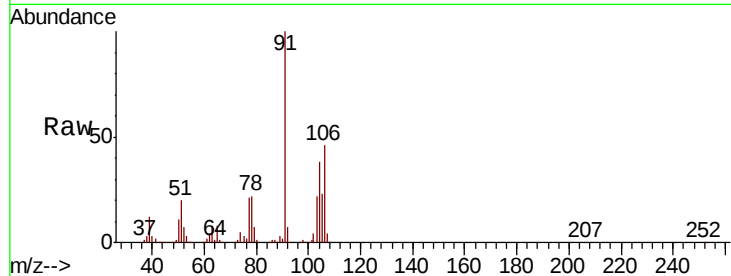




#69
o-Xylene
Concen: 20.812 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

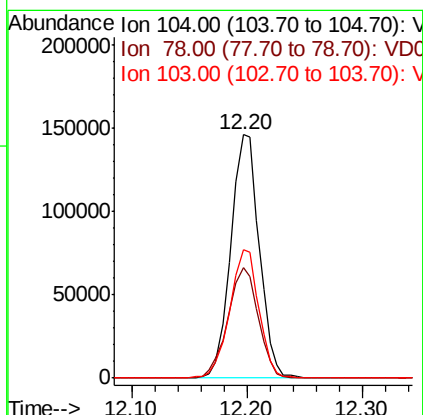
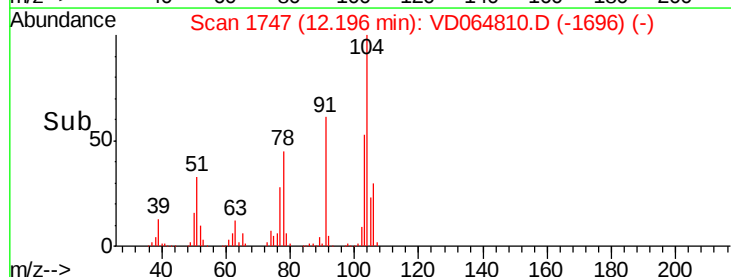
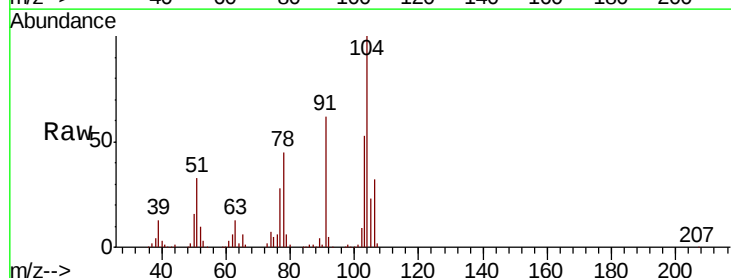
Instrument :
MSVOA_D
ClientSampled :

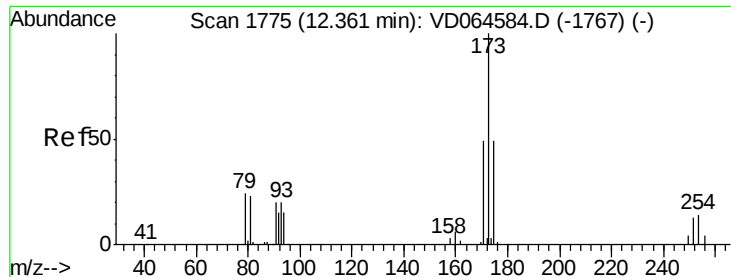
Tot Ion:106 Resp: 138281
Ion Ratio Lower Upper
106 100
91 212.4 104.8 314.4



#70
Styrene
Concen: 21.367 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:104 Resp: 249192
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.3 44.6 67.0





#71

Bromoform

Concen: 21.886 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

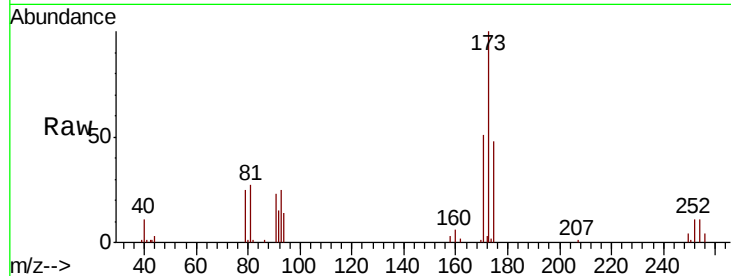
Tot Ion:173 Resp: 49403

Ion Ratio Lower Upper

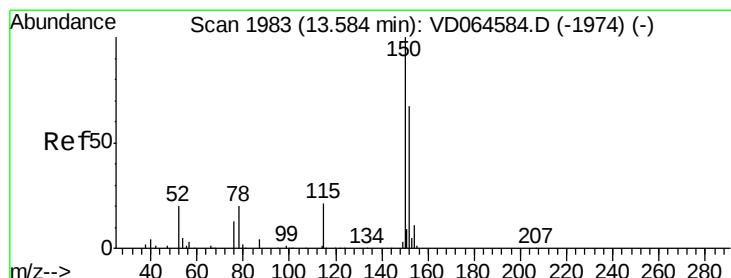
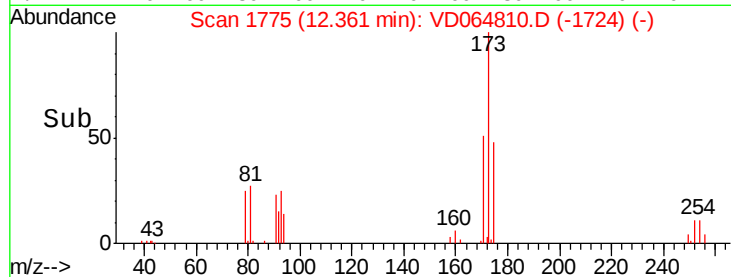
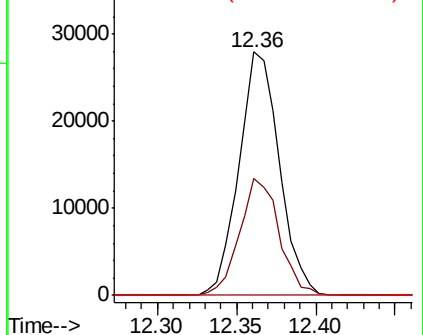
173 100

175 46.9 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# 1982

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

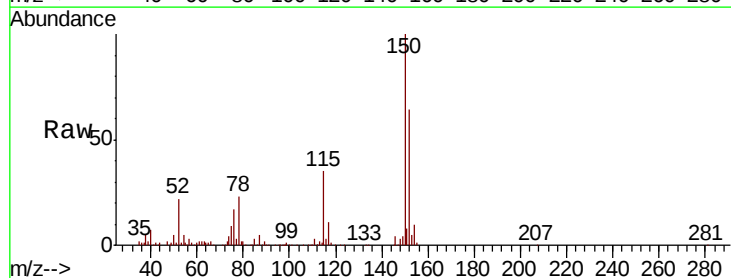
Tgt Ion:152 Resp: 253883

Ion Ratio Lower Upper

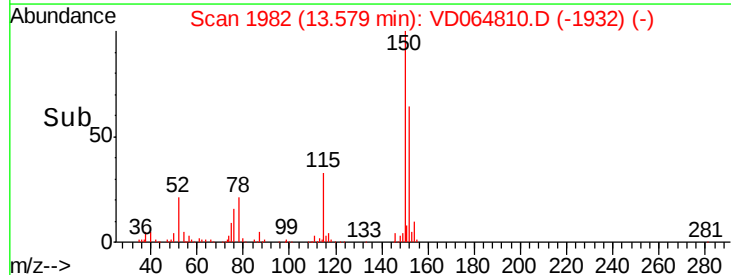
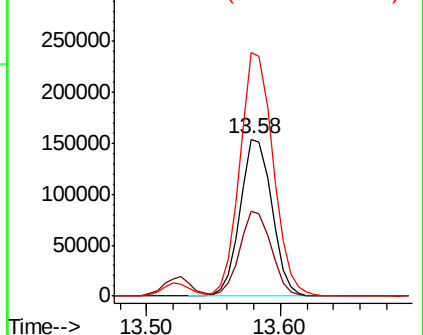
152 100

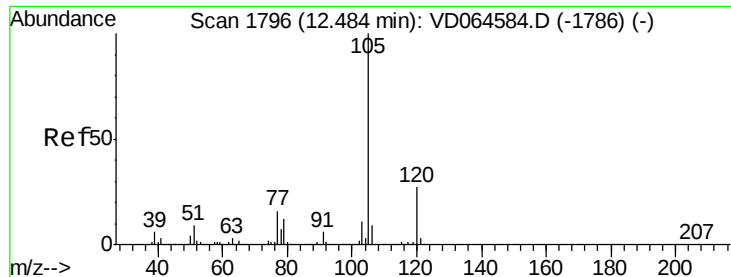
115 53.6 27.8 83.4

150 162.7 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: 21.374 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

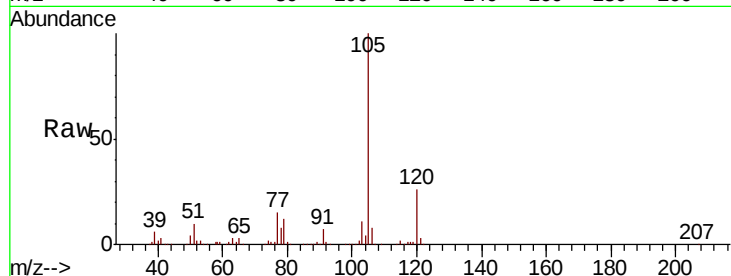
ClientSampled :

Tot Ion:105 Resp: 387795

Ion Ratio Lower Upper

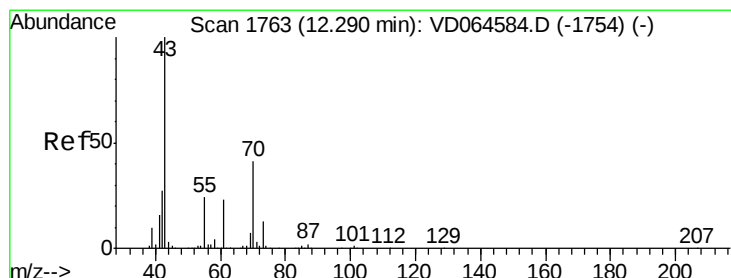
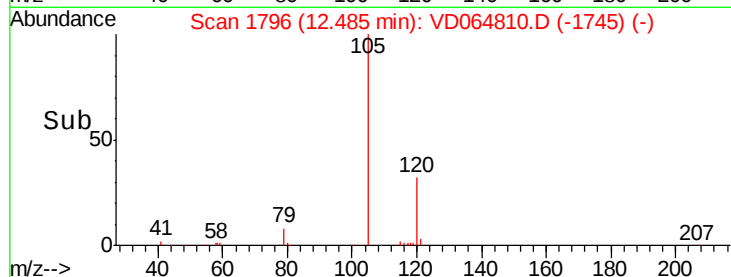
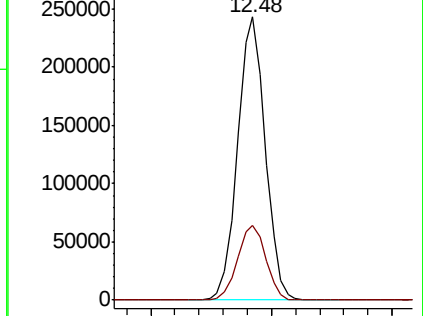
105 100

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: 21.037 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion: 43 Resp: 81590

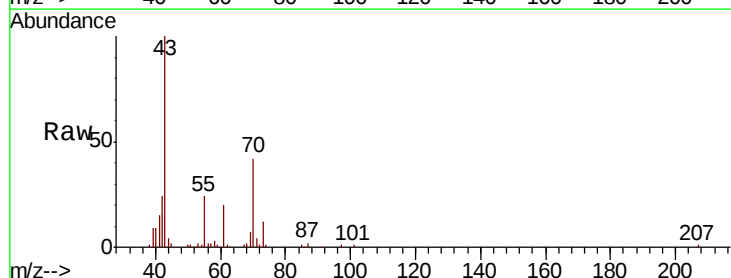
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.0

55 25.3 19.4 29.0

61 23.1 18.3 27.5

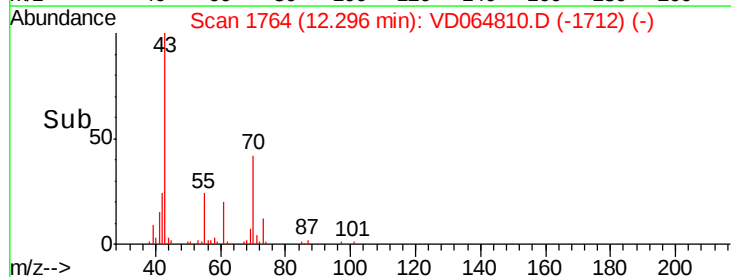
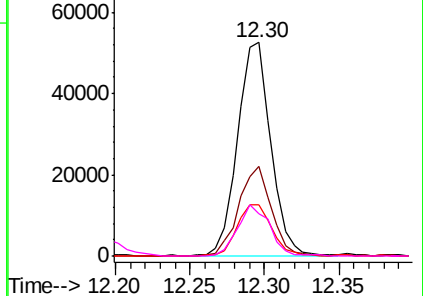


Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.982 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

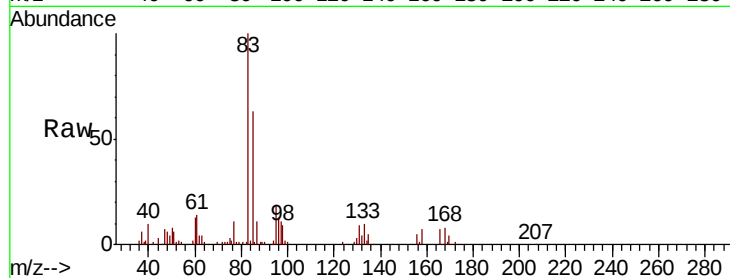
Tot Ion: 83 Resp: 62652

Ion Ratio Lower Upper

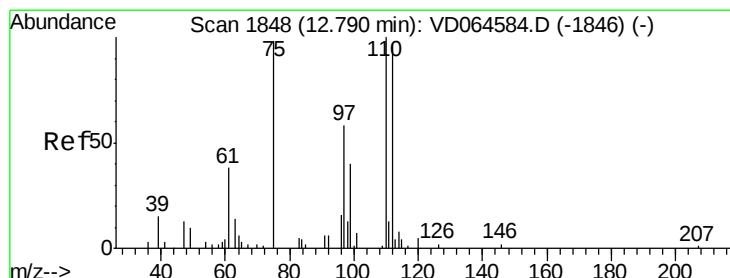
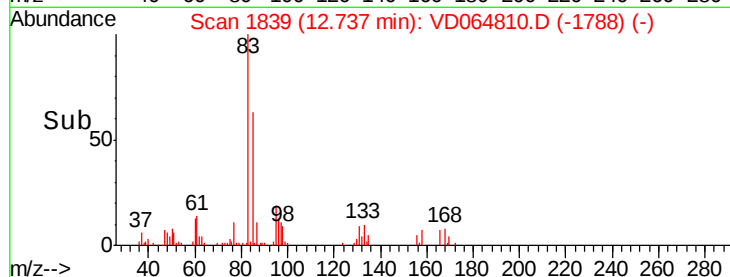
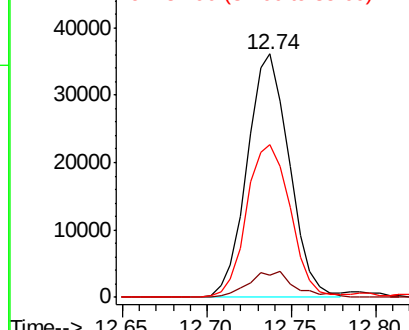
83 100

131 11.5 5.8 17.4

85 65.3 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: 41.668 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064810.D

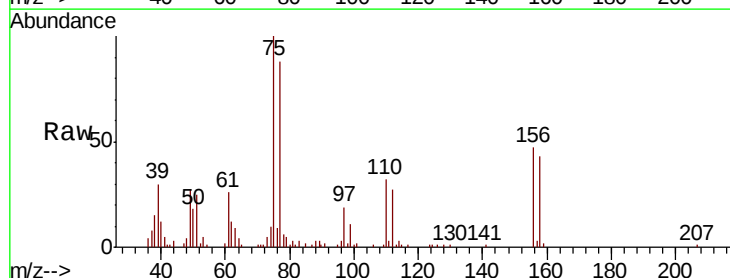
Acq: 09 Jan 2020 12:00

Tgt Ion: 75 Resp: 83536

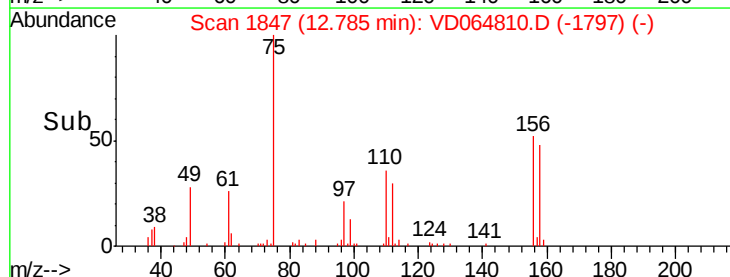
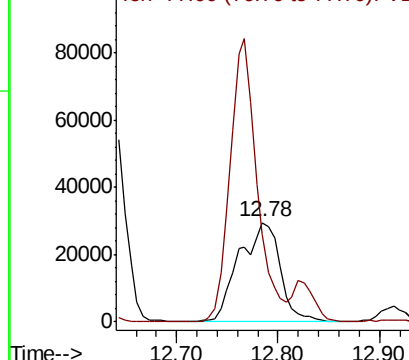
Ion Ratio Lower Upper

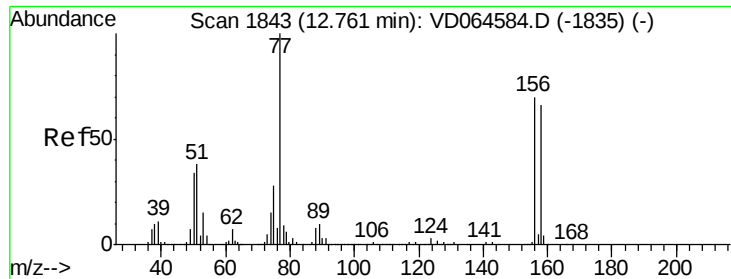
75 100

77 187.3 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: 21.191 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

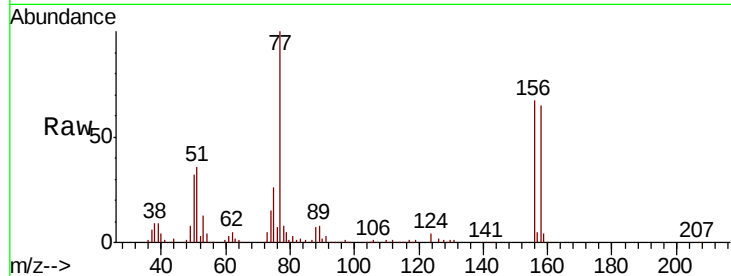
Tot Ion:156 Resp: 94470

Ion Ratio Lower Upper

156 100

77 165.6 80.9 242.7

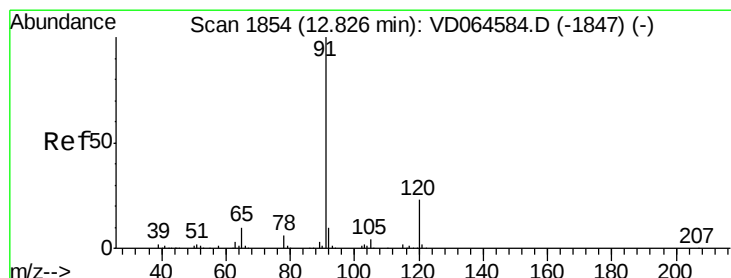
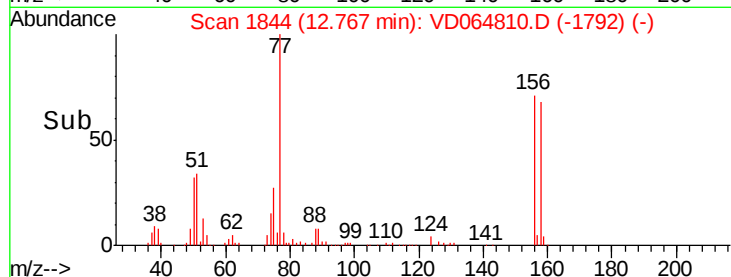
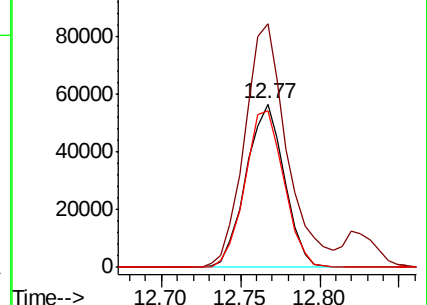
158 98.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.660 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064810.D

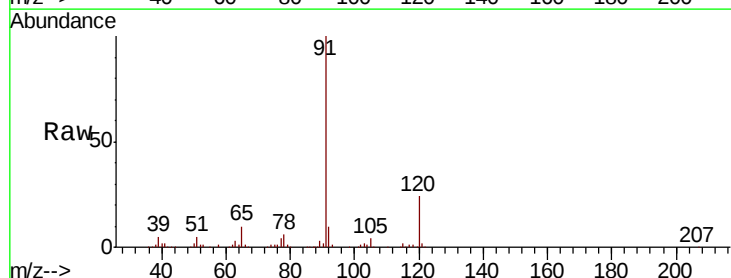
Acq: 09 Jan 2020 12:00

Tgt Ion: 91 Resp: 458460

Ion Ratio Lower Upper

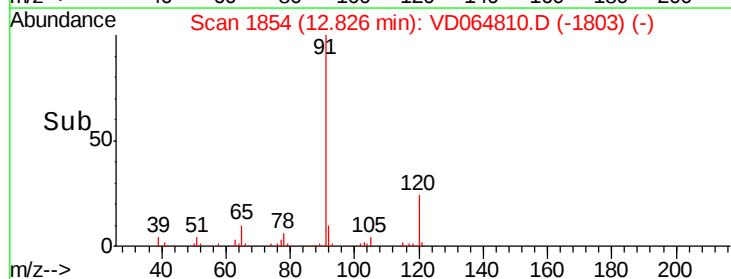
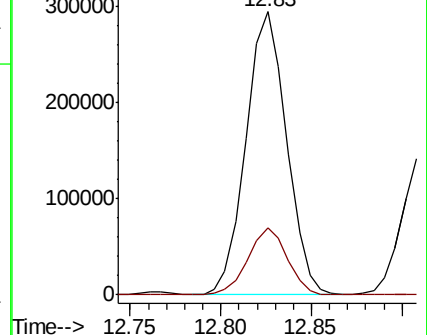
91 100

120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

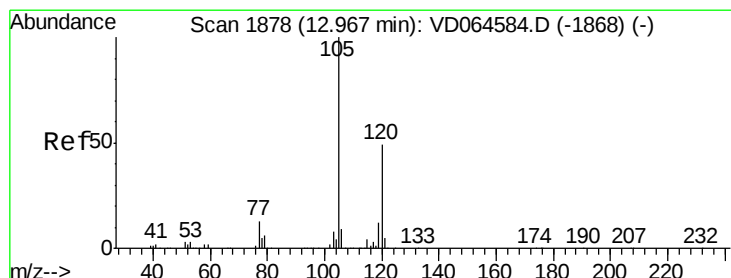
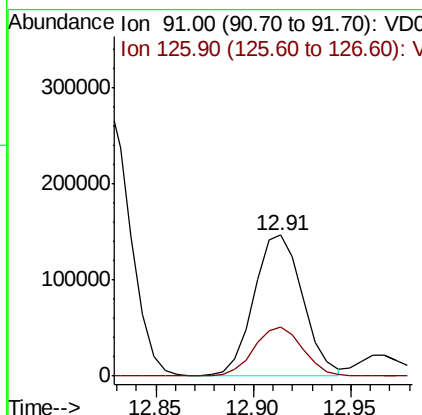
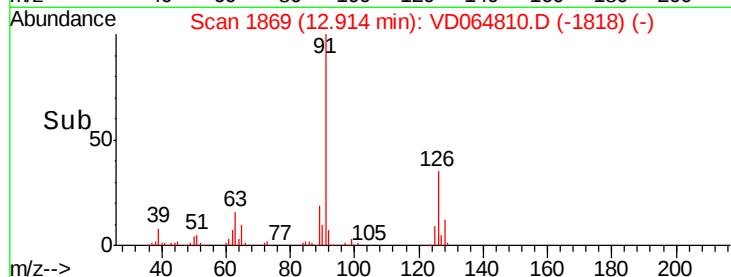
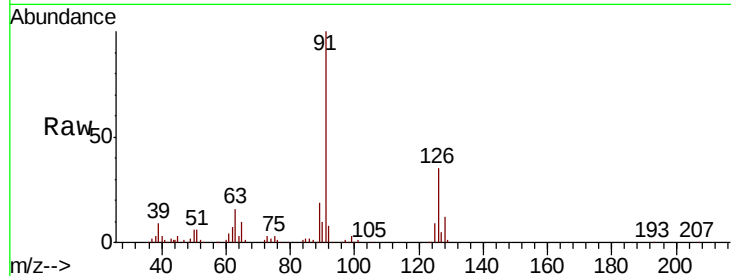




#79
 2-Chlorotoluene
 Concen: 21.888 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

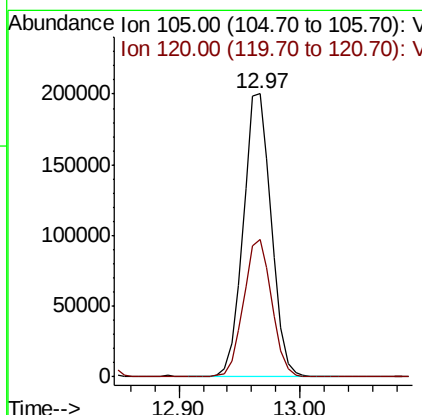
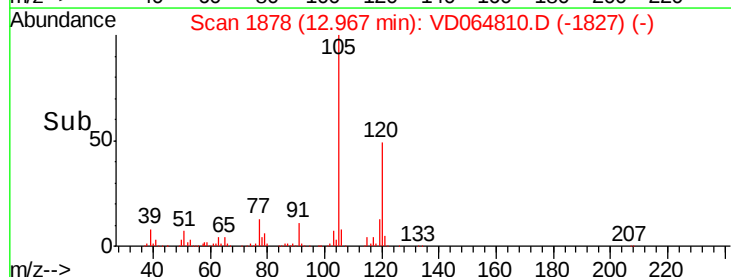
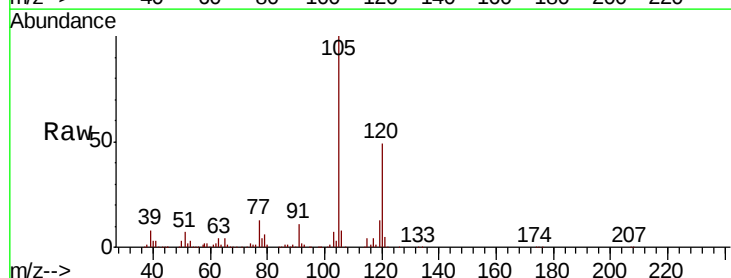
Instrument :
 MSVOA_D
 ClientSampled :

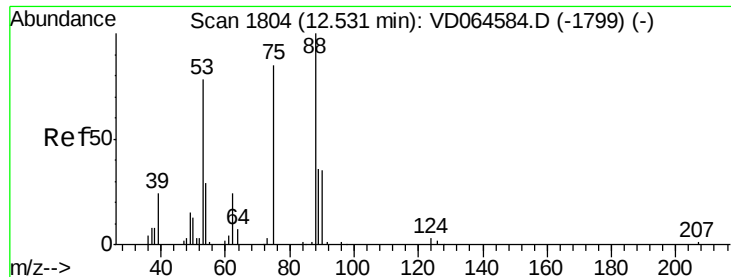
Tot Ion: 91 Resp: 254497
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.735 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 105 Resp: 323925
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.229 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

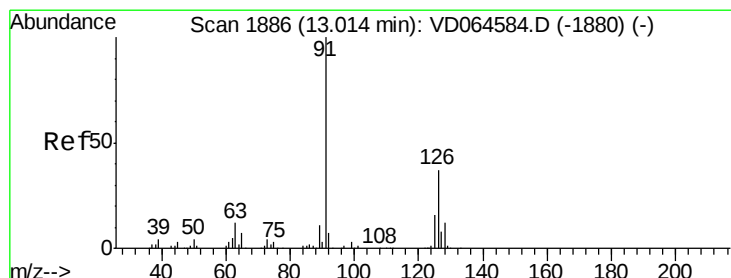
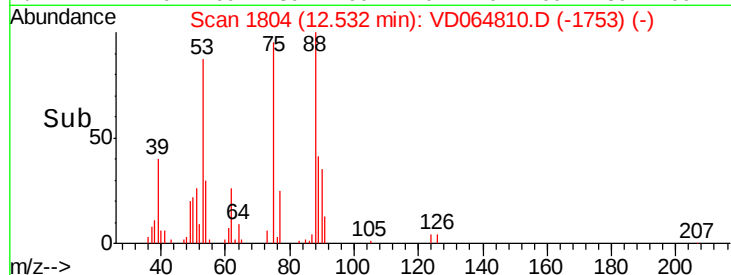
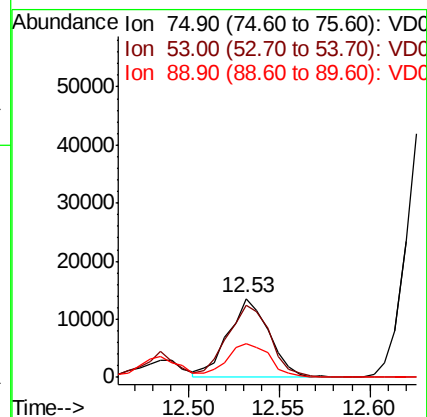
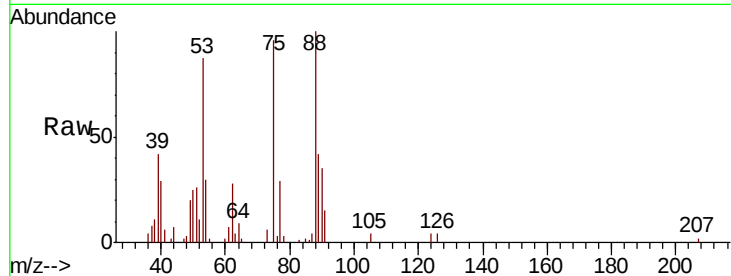
Tot Ion: 75 Resp: 21308

Ion Ratio Lower Upper

75 100

53 96.4 78.8 118.2

89 44.6 38.3 57.5



#82

4-Chlorotoluene

Concen: 21.562 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064810.D

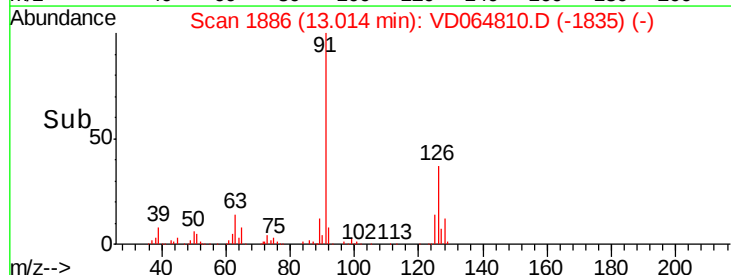
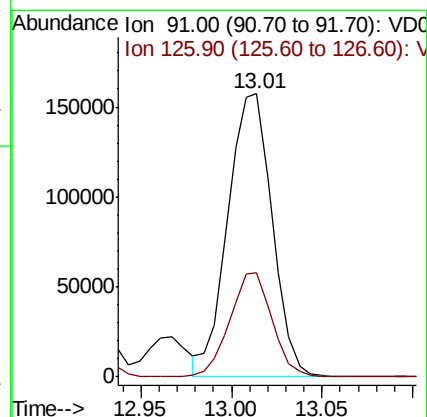
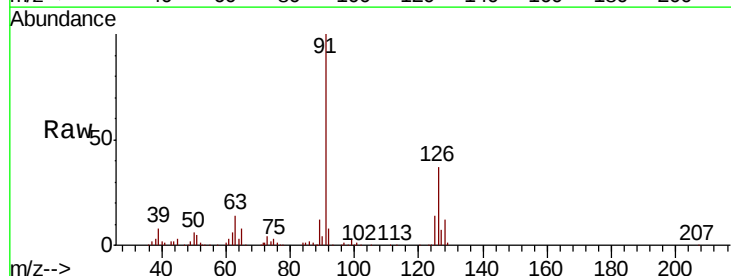
Acq: 09 Jan 2020 12:00

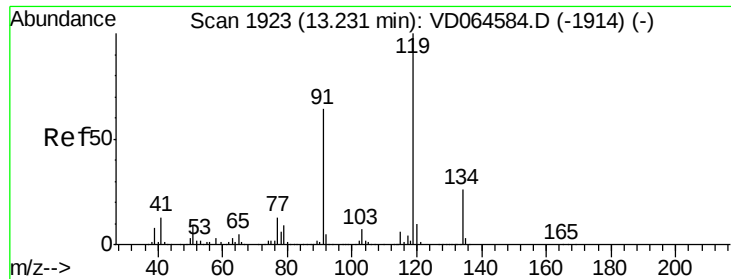
Tgt Ion: 91 Resp: 266804

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5

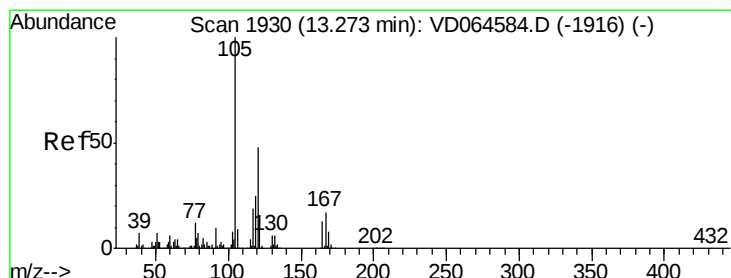
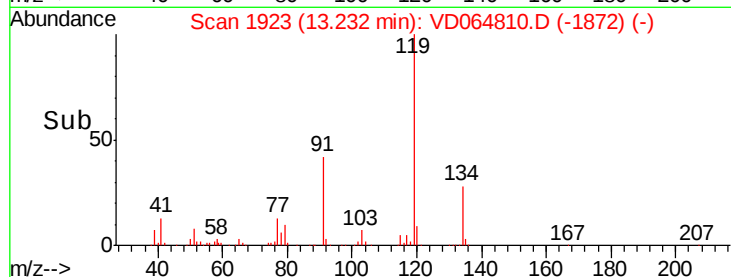
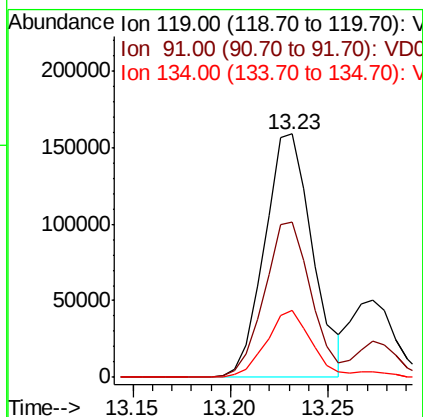
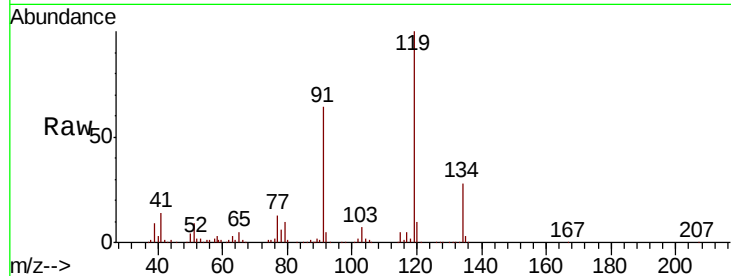




#83
tert-Butylbenzene
Concen: 20.873 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

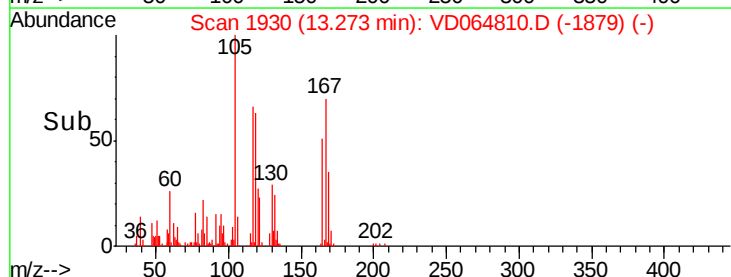
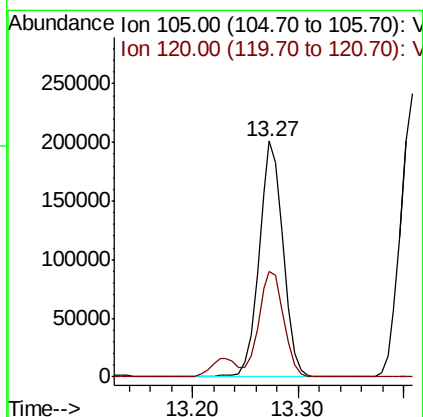
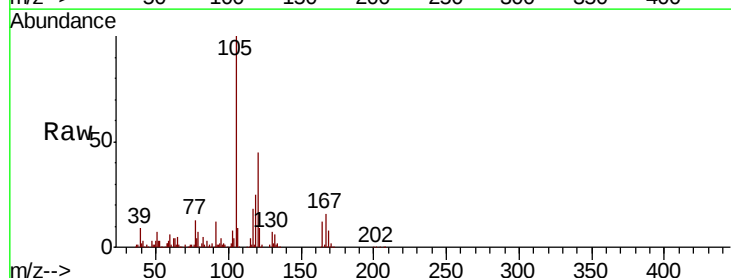
Instrument :
MSVOA_D
ClientSampleId :

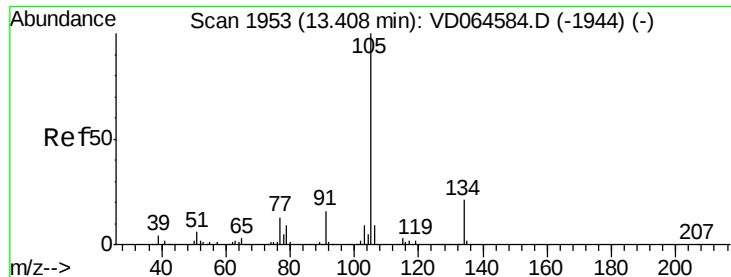
Tot Ion:119 Resp: 270102
Ion Ratio Lower Upper
119 100
91 62.2 30.8 92.4
134 27.6 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 21.346 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:105 Resp: 316838
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.2





#85

sec-Butylbenzene

Concen: 21.472 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

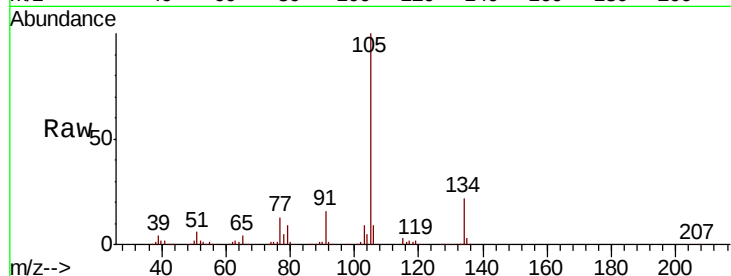
ClientSampled :

Tot Ion:105 Resp: 380913

Ion Ratio Lower Upper

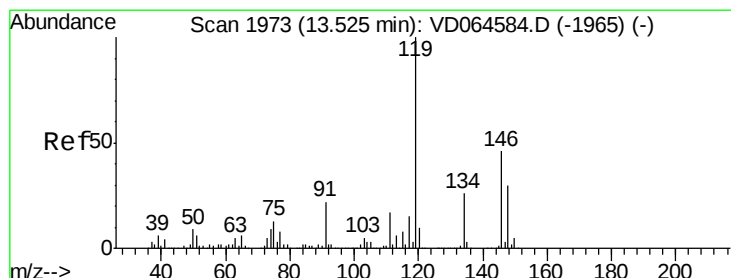
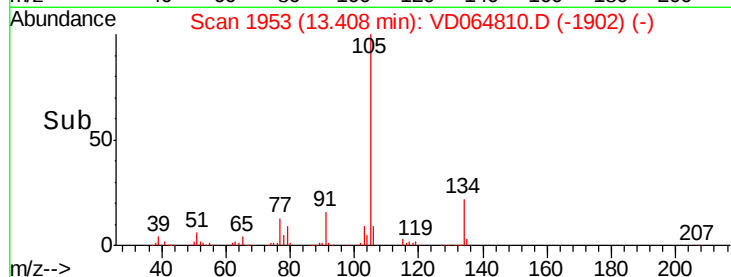
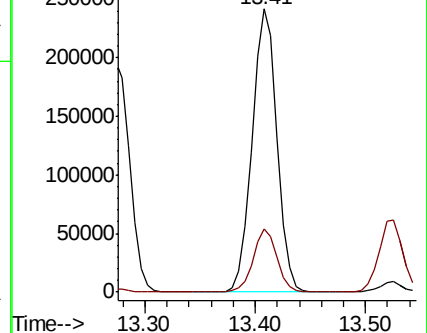
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.115 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

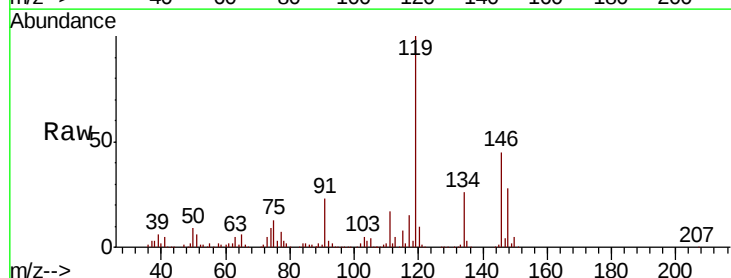
Tgt Ion:119 Resp: 358168

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

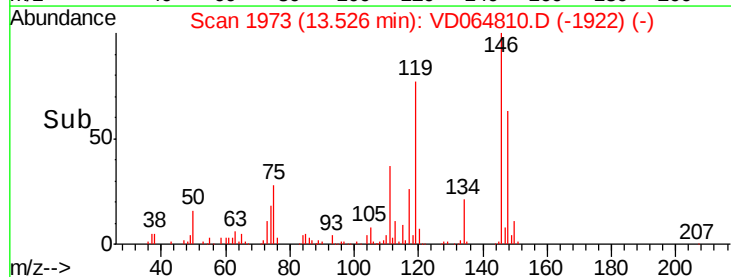
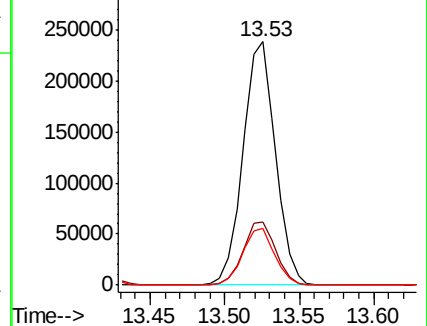
91 23.1 11.2 33.6

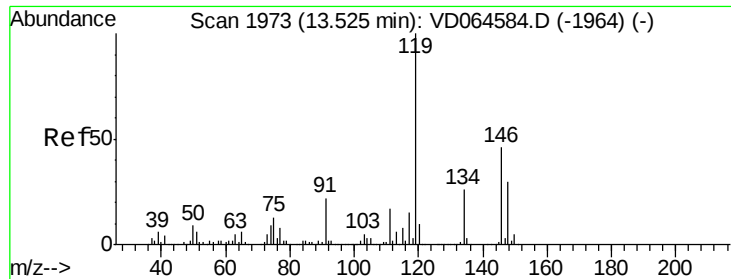


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.074 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064810.D

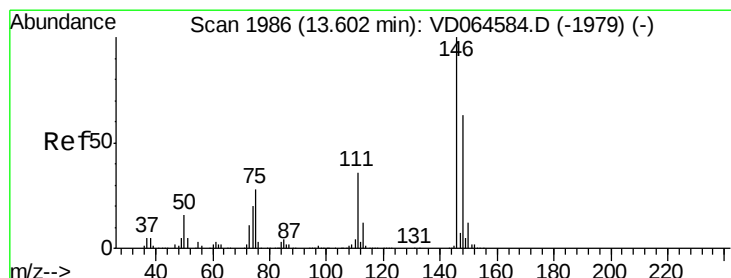
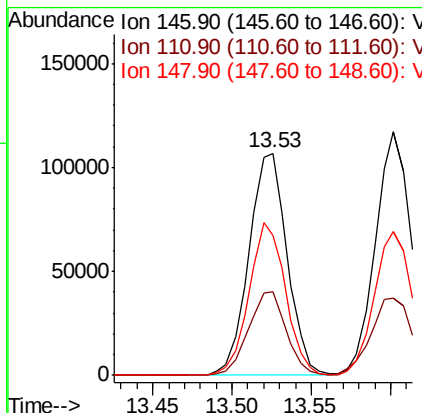
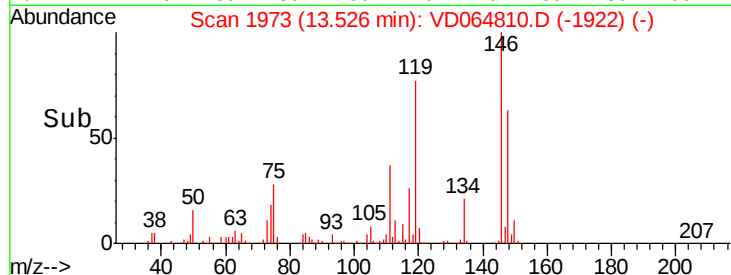
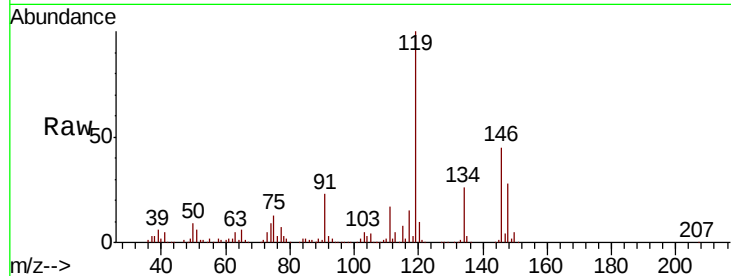
Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	179095
Ion	Ratio	Lower Upper
146	100	
111	37.1	18.8 56.4
148	65.3	32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 22.187 ug/l

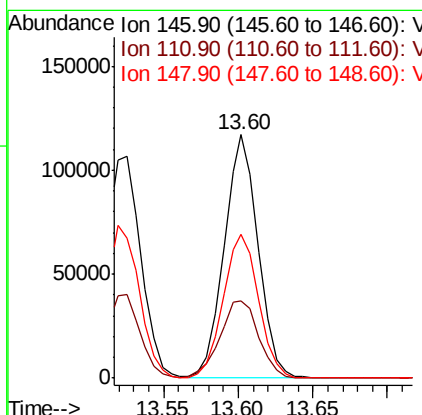
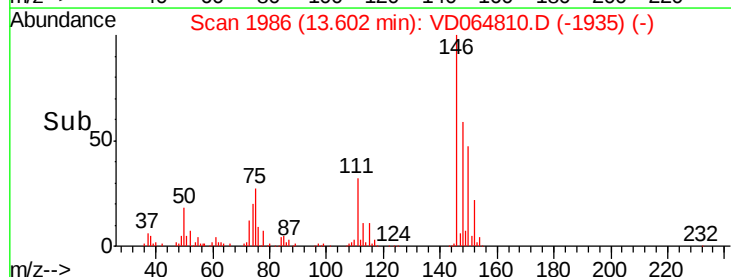
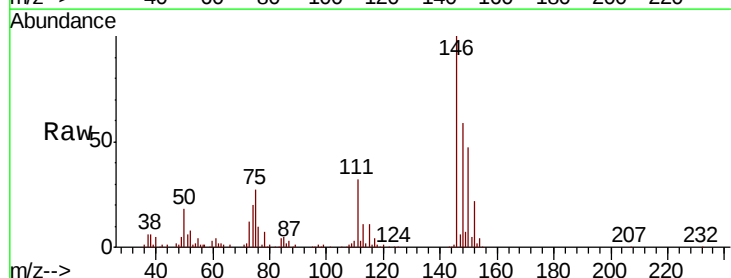
RT: 13.60 min Scan# 1986

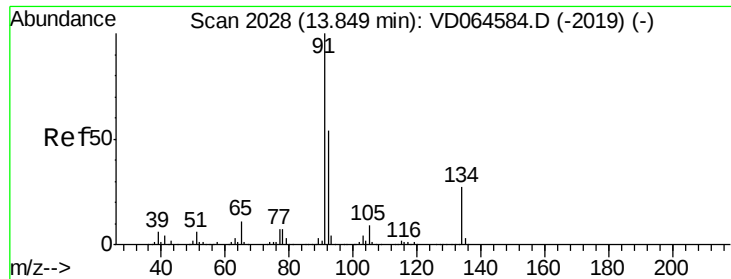
Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion:146	Resp:	185229
Ion	Ratio	Lower Upper
146	100	
111	36.5	18.1 54.1
148	61.8	32.3 96.9





#89

n-Butylbenzene

Concen: 21.502 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampled :

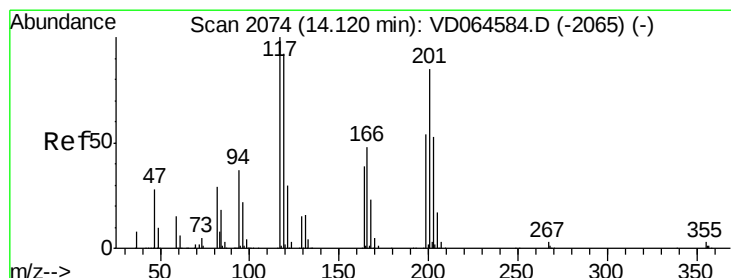
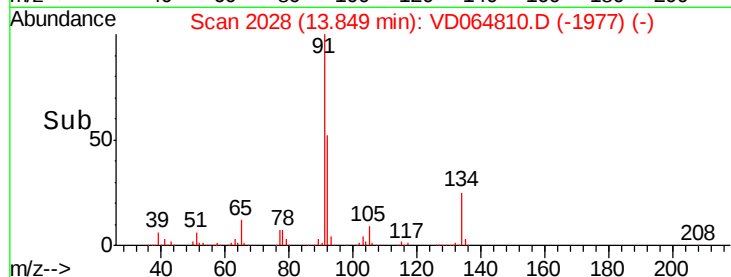
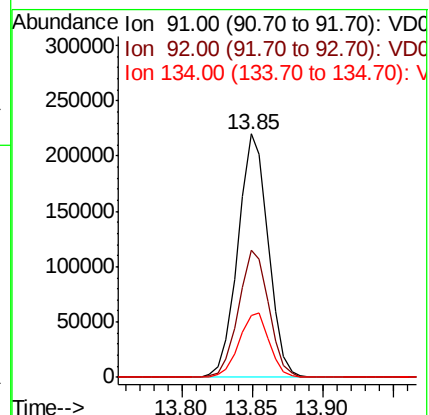
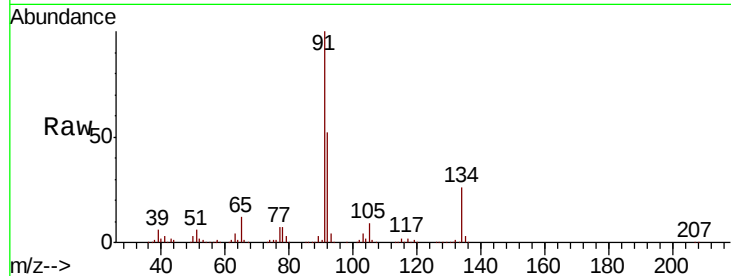
Tot Ion: 91 Resp: 328466

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.4
134	26.6	14.0	41.9

91 100

92 52.1 26.8 80.4

134 26.6 14.0 41.9



#90

Hexachloroethane

Concen: 21.354 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064810.D

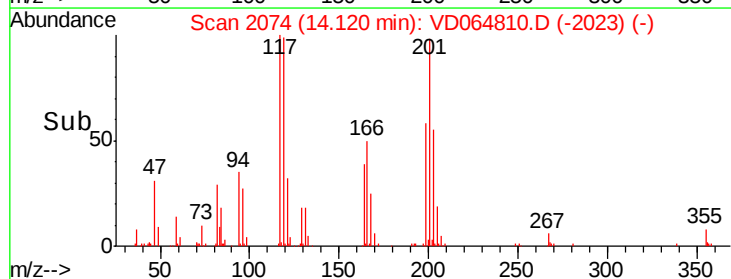
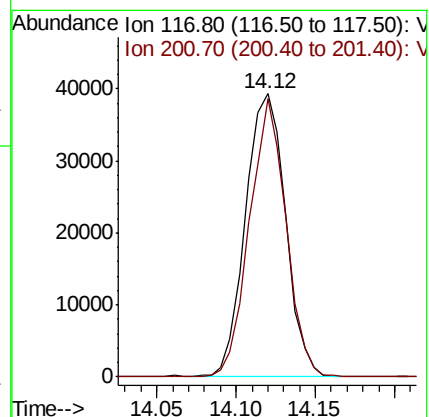
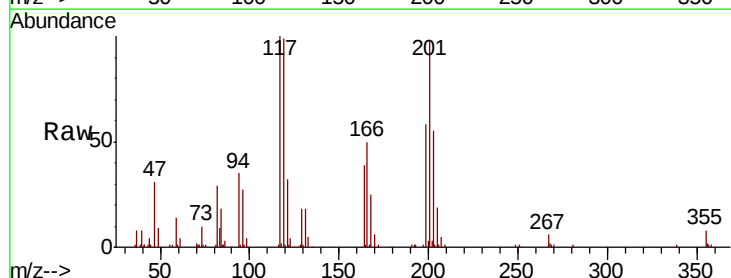
Acq: 09 Jan 2020 12:00

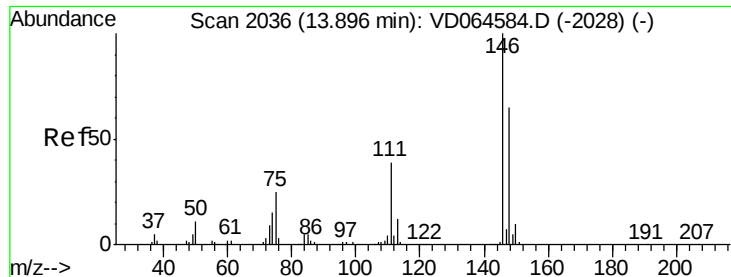
Tgt Ion: 117 Resp: 69192

Ion	Ratio	Lower	Upper
117	100		
201	89.1	44.0	131.8

117 100

201 89.1 44.0 131.8

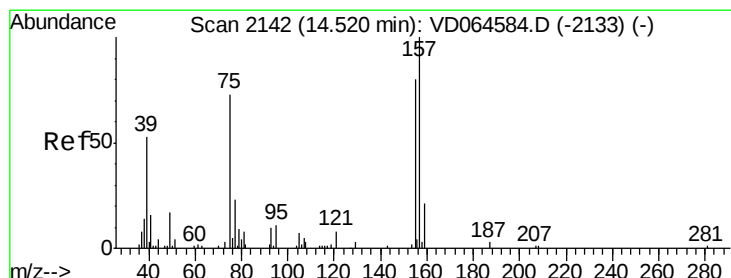
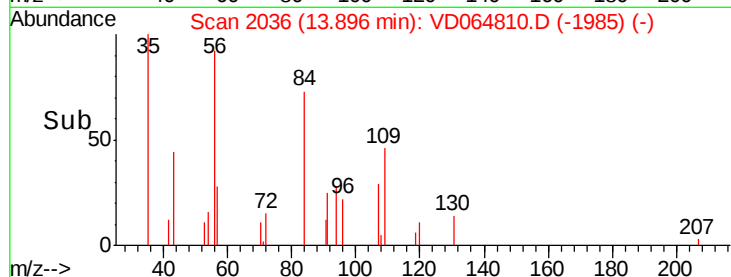
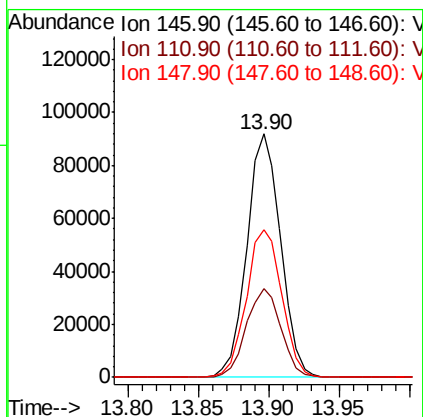
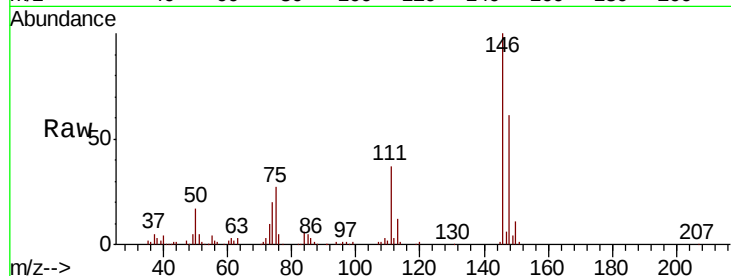




#91
 1,2-Dichlorobenzene
 Concen: 21.284 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

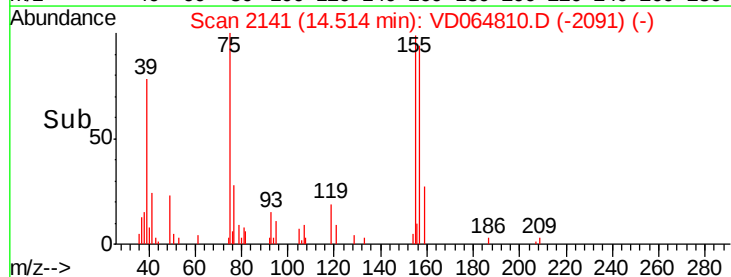
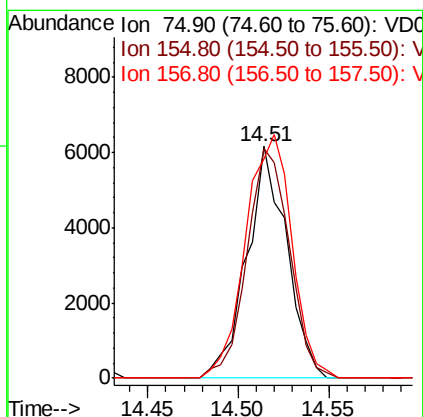
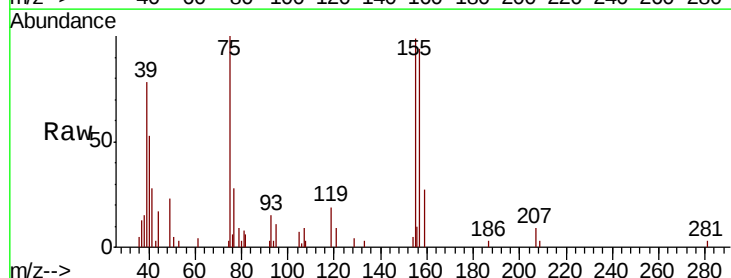
Instrument :
 MSVOA_D
 ClientSampleId :

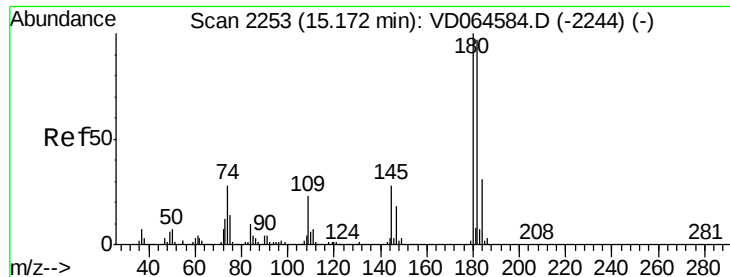
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.3	57.9
148	63.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.436 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	48.0	144.0
157	121.4	64.1	192.3

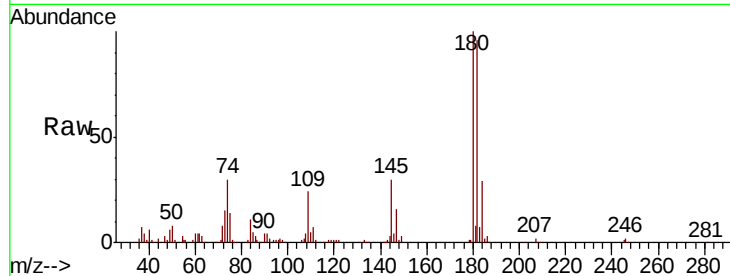




#93
 1,2,4-Trichlorobenzene
 Concen: 20.063 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	28.4	13.8	41.4

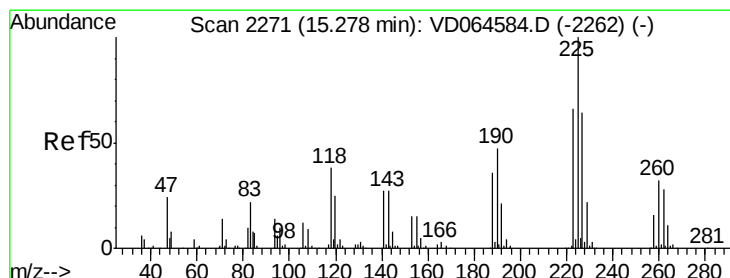
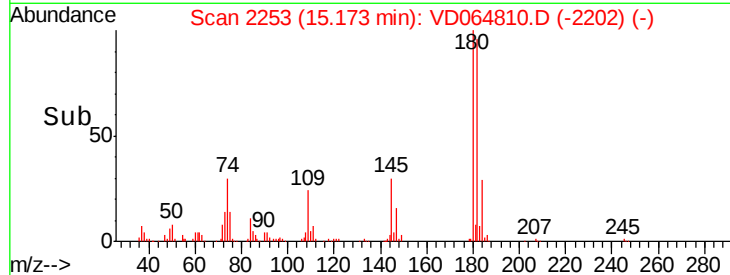
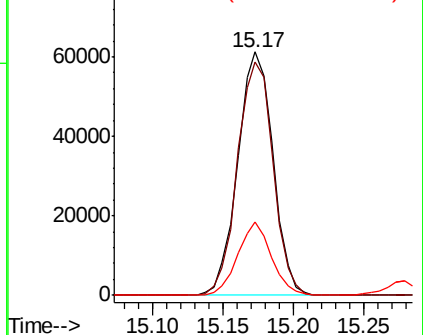


Abundance

Ion 179.80 (179.50 to 180.50): V

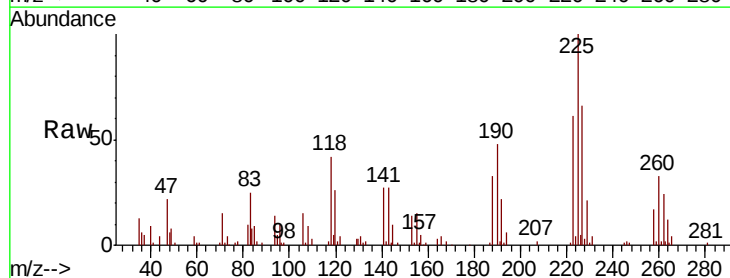
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.561 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.2
227	65.7	30.9	92.7

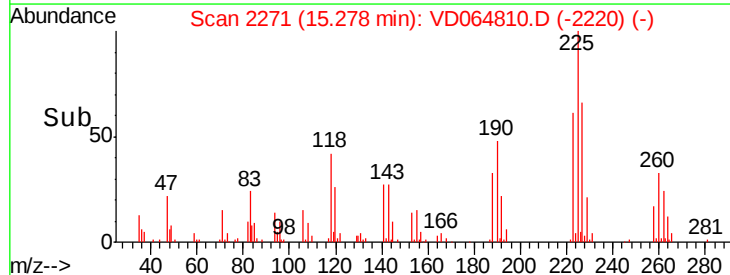
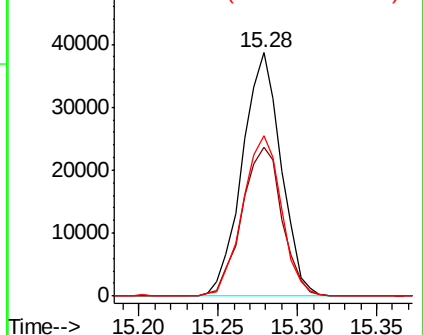


Abundance

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

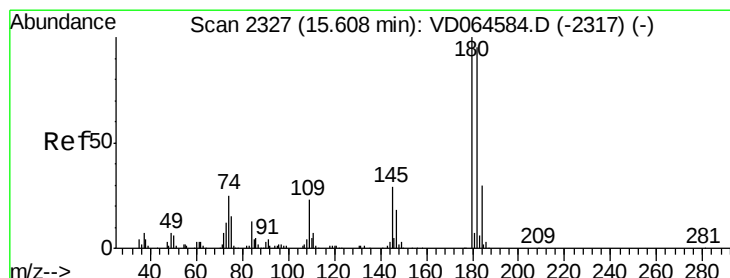
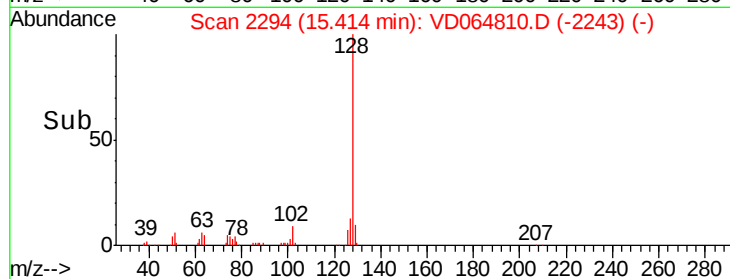
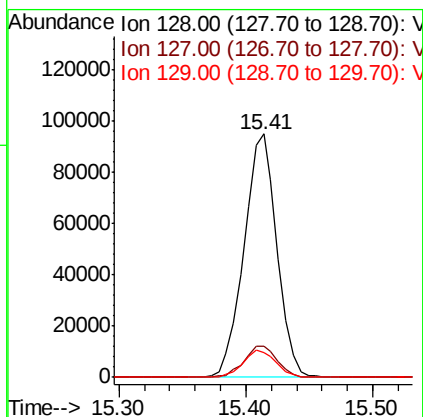
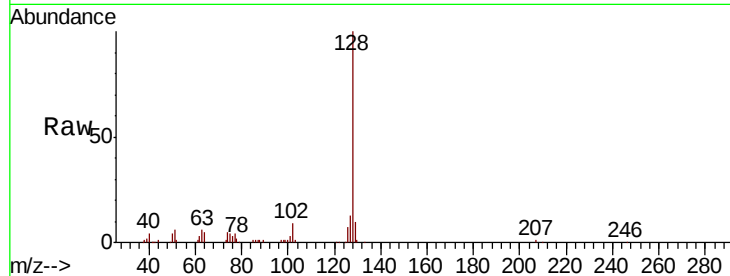




#95
Naphthalene
Concen: 20.194 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 170463
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.173 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:180 Resp: 91894
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 30.4 14.9 44.7

