

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064711.D
 Acq On : 02 Jan 2020 12:10
 Operator : VA/SY
 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Quant Time: Jan 03 00:23:11 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	429035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	620305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	190703	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.92	113	195432	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.34	98	747289	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.64	95	239383	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	66629	19.983	ug/l	94
3) Chloromethane	2.21	50	95624	20.506	ug/l	96
4) Vinyl Chloride	2.35	62	117957	20.747	ug/l	96
5) Bromomethane	2.76	94	86583	20.944	ug/l	96
6) Chloroethane	2.92	64	78039	20.484	ug/l	98
7) Trichlorofluoromethane	3.27	101	200626	20.957	ug/l	98
8) Diethyl Ether	3.70	74	39657	20.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81630	20.589	ug/l	99
10) Methyl Iodide	4.29	142	88688	20.825	ug/l	99
11) Tert butyl alcohol	5.24	59	21533	99.315	ug/l	98
12) 1,1-Dichloroethene	4.06	96	78117	20.695	ug/l	91
13) Acrolein	3.93	56	25082	83.008	ug/l	99
14) Allyl chloride	4.70	41	123210	20.936	ug/l	99
15) Acrylonitrile	5.43	53	81647	103.109	ug/l	99
16) Acetone	4.17	43	85213	102.257	ug/l #	87
17) Carbon Disulfide	4.40	76	245185	20.089	ug/l	99
18) Methyl Acetate	4.73	43	44374	20.834	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	172901	20.623	ug/l	99
20) Methylene Chloride	4.97	84	92702	21.138	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	89472	20.814	ug/l	97
22) Diisopropyl ether	6.37	45	247838	21.114	ug/l	98
23) Vinyl Acetate	6.31	43	683503	102.649	ug/l	100
24) 1,1-Dichloroethane	6.27	63	148609	21.089	ug/l	98
25) 2-Butanone	7.22	43	106347	102.266	ug/l	94
26) 2,2-Dichloropropane	7.21	77	136654	20.857	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97985	21.121	ug/l	99
28) Bromochloromethane	7.55	49	50165	18.313	ug/l	98
29) Tetrahydrofuran	7.57	42	64818	100.230	ug/l	99
30) Chloroform	7.71	83	156703	21.195	ug/l	97
31) Cyclohexane	7.98	56	142902	20.259	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	145858	21.004	ug/l	99
36) 1,1-Dichloropropene	8.11	75	121308	20.318	ug/l	99
37) Ethyl Acetate	7.30	43	48784	20.799	ug/l	98
38) Carbon Tetrachloride	8.09	117	131721	20.691	ug/l	97

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 Data File : VD064711.D
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 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Quant Time: Jan 03 00:23:11 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	9.36	83	146999	20.328	ug/l	97
40) Benzene	8.35	78	334194	20.504	ug/l	94
41) Methacrylonitrile	7.53	41	24179	17.768	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	100658	21.372	ug/l	98
43) Isopropyl Acetate	8.46	43	94714	20.288	ug/l	98
44) Trichloroethene	9.11	130	99918	20.868	ug/l	91
45) 1,2-Dichloropropane	9.39	63	81846	21.032	ug/l	99
46) Dibromomethane	9.47	93	45715	21.070	ug/l	100
47) Bromodichloromethane	9.66	83	118293	20.489	ug/l	95
48) Methyl methacrylate	9.46	41	44176	20.097	ug/l	93
49) 1,4-Dioxane	9.47	88	9542	381.413	ug/l	87
51) 4-Methyl-2-Pentanone	10.23	43	229210	99.331	ug/l	99
52) Toluene	10.40	92	221308	20.696	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112668	20.932	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	132663	20.902	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	59864	20.474	ug/l	92
56) Ethyl methacrylate	10.66	69	73852	20.224	ug/l	99
57) 1,3-Dichloropropane	10.95	76	105013	20.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148351	106.631	ug/l	100
59) 2-Hexanone	10.98	43	156384	99.851	ug/l	99
60) Dibromochloromethane	11.14	129	83186	20.573	ug/l	99
61) 1,2-Dibromoethane	11.25	107	58173	20.171	ug/l	99
64) Tetrachloroethene	10.88	164	84564	20.266	ug/l	97
65) Chlorobenzene	11.67	112	233788	20.711	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	89724	21.084	ug/l	98
67) Ethyl Benzene	11.75	91	421667	20.580	ug/l	99
68) m/p-Xylenes	11.86	106	318932	40.329	ug/l	96
69) o-Xylene	12.18	106	147696	20.677	ug/l	99
70) Styrene	12.20	104	255845	20.405	ug/l	99
71) Bromoform	12.36	173	49902	20.563	ug/l #	99
73) Isopropylbenzene	12.48	105	401223	20.859	ug/l	99
74) N-amyl acetate	12.29	43	82967	20.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62548	20.700	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	82817	38.964	ug/l #	100
77) Bromobenzene	12.77	156	101621	21.501	ug/l	96
78) n-propylbenzene	12.83	91	473977	21.122	ug/l	98
79) 2-Chlorotoluene	12.91	91	254760	20.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	327396	20.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20980	20.645	ug/l	99
82) 4-Chlorotoluene	13.01	91	274091	20.894	ug/l	99
83) tert-Butylbenzene	13.23	119	283487	20.664	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	331963	21.095	ug/l	97
85) sec-Butylbenzene	13.41	105	392904	20.891	ug/l	98
86) p-Isopropyltoluene	13.53	119	372482	20.712	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186719	20.724	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	183263	20.705	ug/l	99
89) n-Butylbenzene	13.85	91	336803	20.797	ug/l	100
90) Hexachloroethane	14.12	117	70442	20.506	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	158811	20.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10208	20.840	ug/l	95

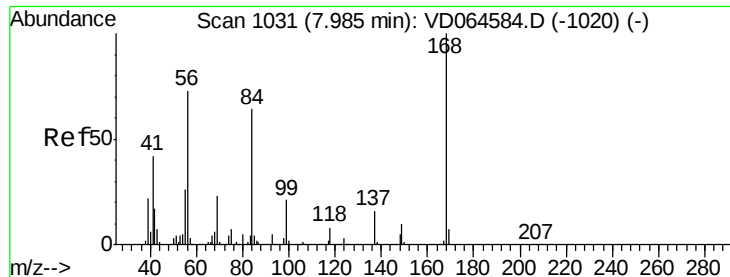
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
Data File : VD064711.D
Acq On : 02 Jan 2020 12:10
Operator : VA/SY
Sample : VD0102SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Jan 03 00:23:11 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)
93) 1,2,4-Trichlorobenzene	15.17	180	114695	20.275	ug/l	98
94) Hexachlorobutadiene	15.28	225	70130	19.701	ug/l	97
95) Naphthalene	15.41	128	185291	20.705	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	97476	20.184	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: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

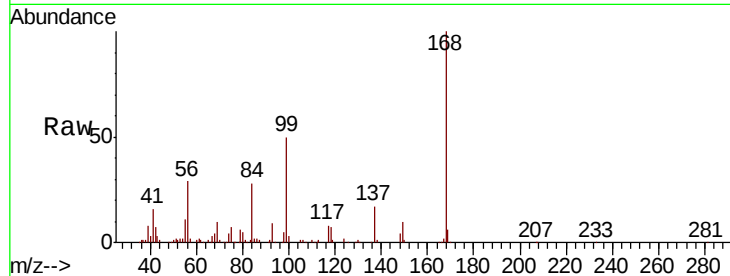
VD0102SBSD01

Tot Ion:168 Resp: 429035

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

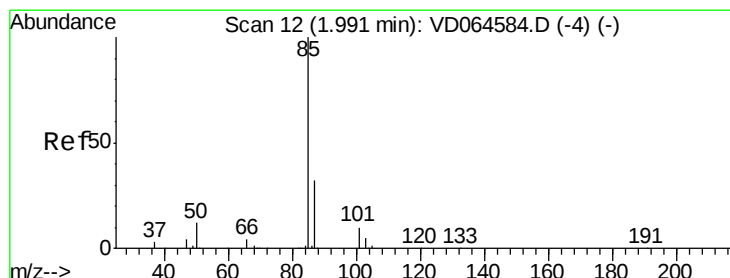
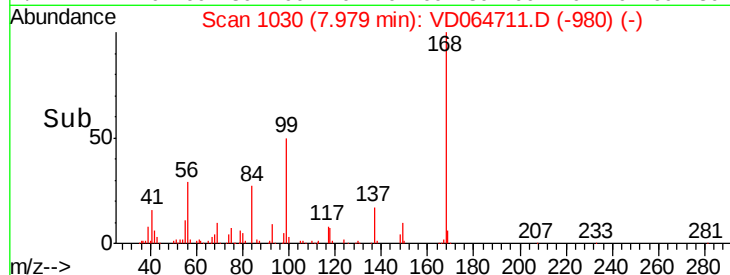
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.983 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064711.D

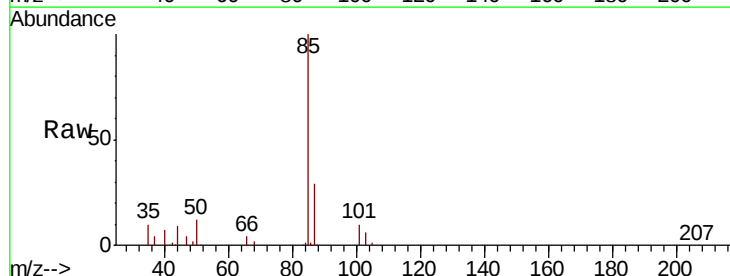
Acq: 02 Jan 2020 12:10

Tgt Ion: 85 Resp: 66629

Ion Ratio Lower Upper

85 100

87 28.5 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

30000

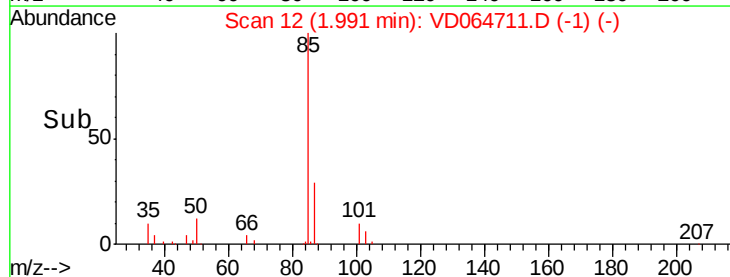
20000

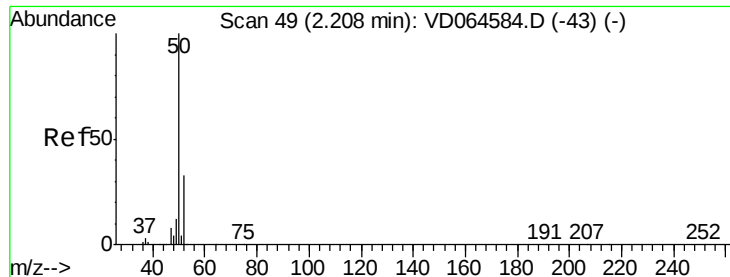
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.506 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

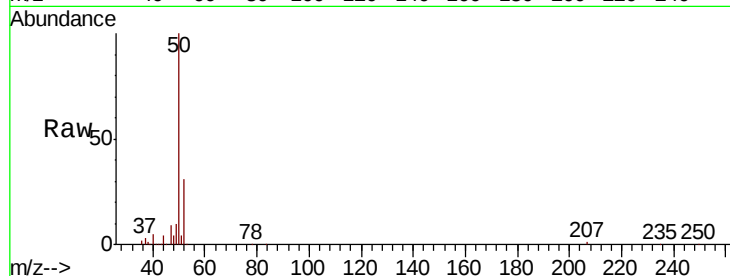
VD0102SBSD01

Tot Ion: 50 Resp: 95624

Ion Ratio Lower Upper

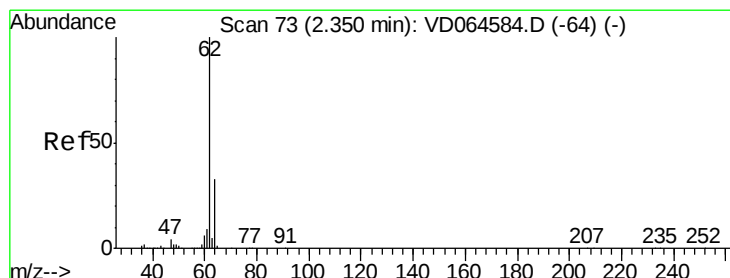
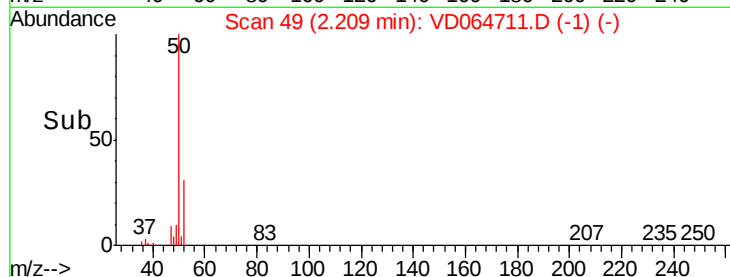
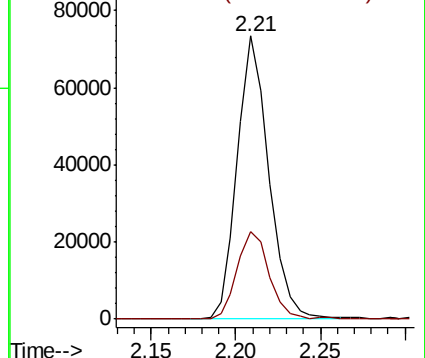
50 100

52 30.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.747 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064711.D

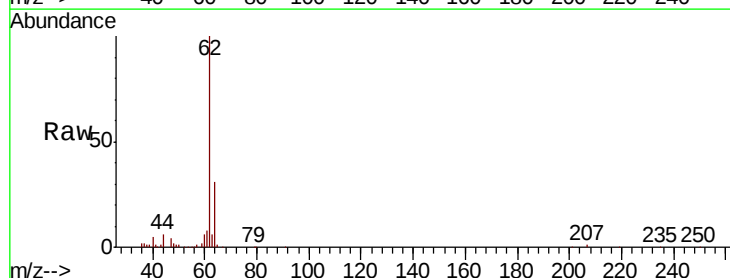
Acq: 02 Jan 2020 12:10

Tgt Ion: 62 Resp: 117957

Ion Ratio Lower Upper

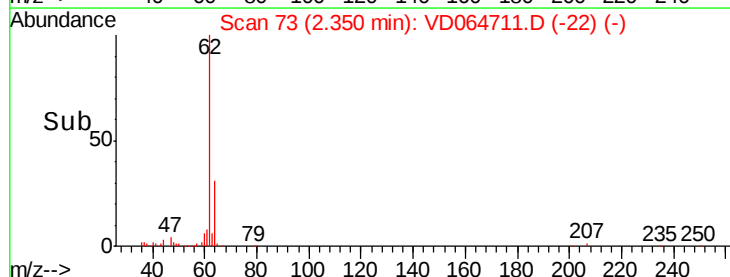
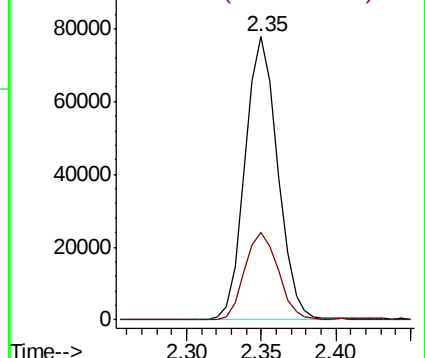
62 100

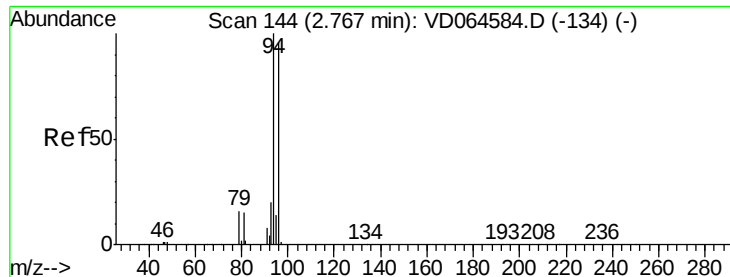
64 30.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.944 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

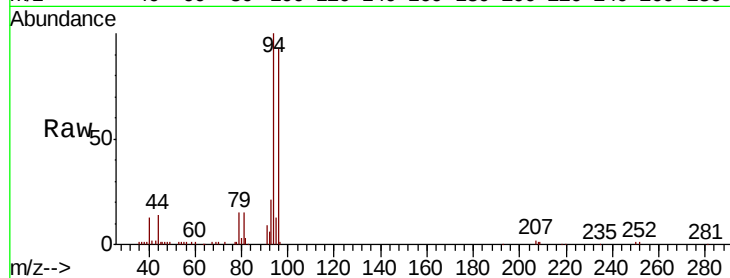
VD0102SBSD01

Tot Ion: 94 Resp: 86583

Ion Ratio Lower Upper

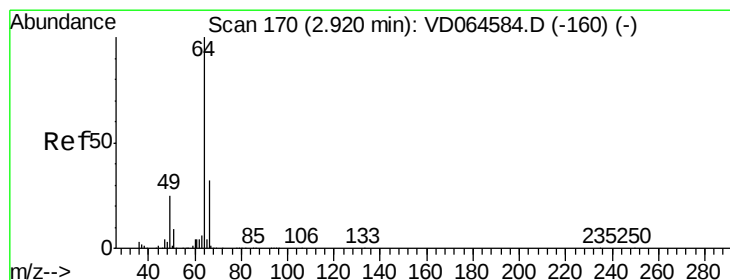
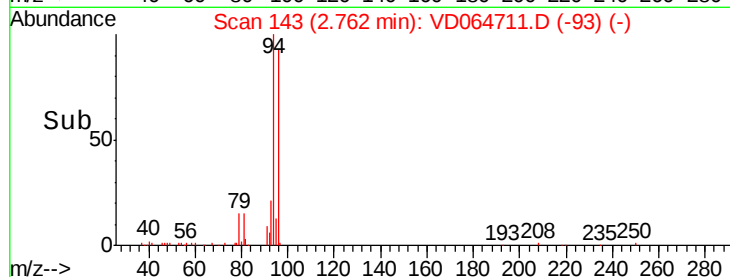
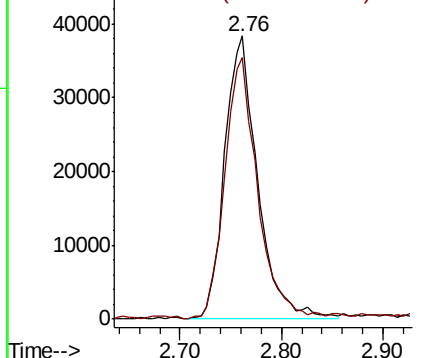
94 100

96 92.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.484 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064711.D

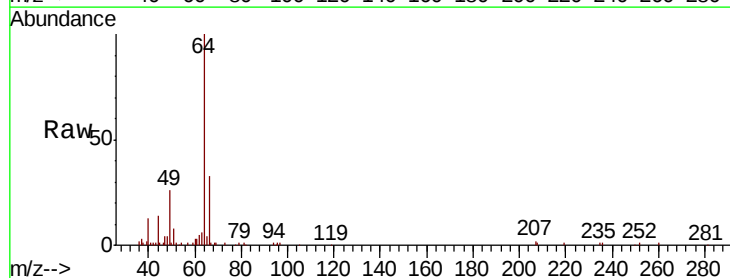
Acq: 02 Jan 2020 12:10

Tgt Ion: 64 Resp: 78039

Ion Ratio Lower Upper

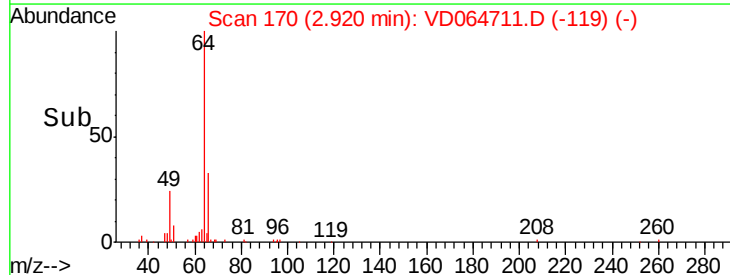
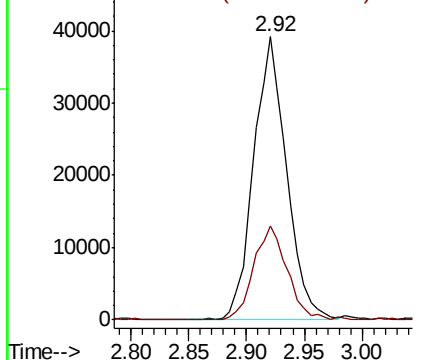
64 100

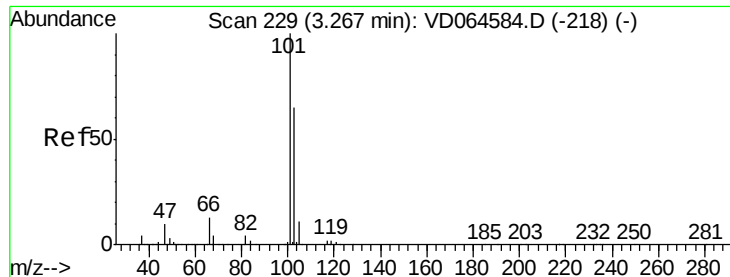
66 33.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



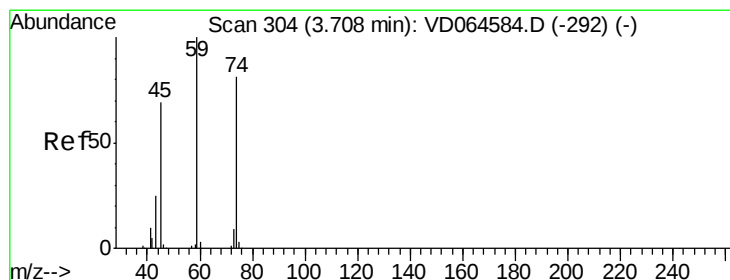
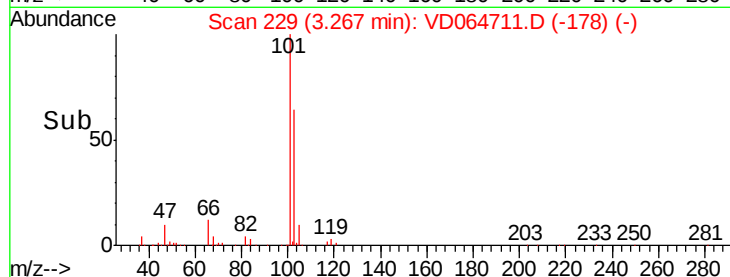
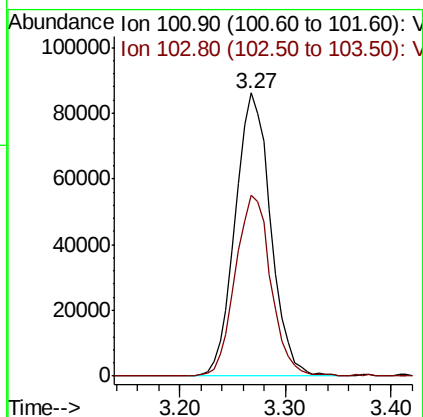
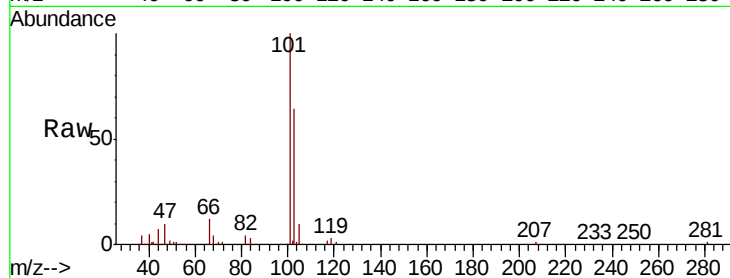


#7

Trichlorofluoromethane
 Concen: 20.957 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

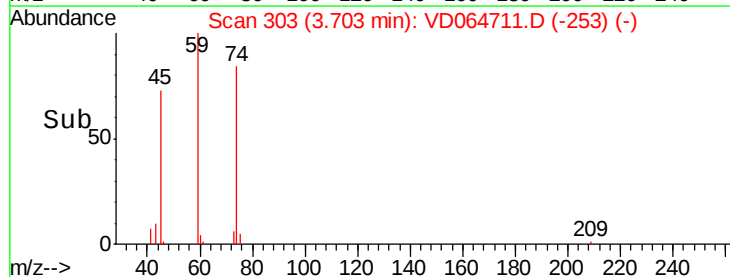
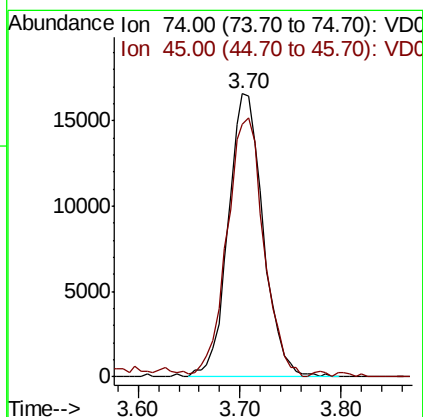
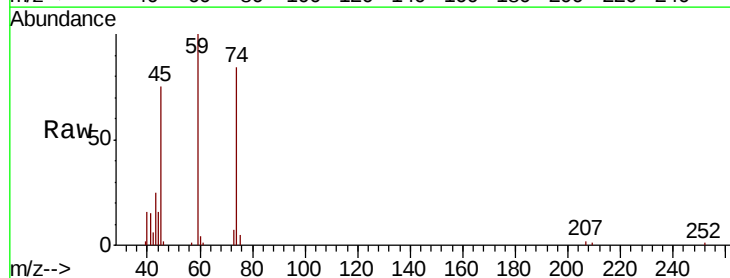
Tot Ion:101 Resp: 200626
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.4

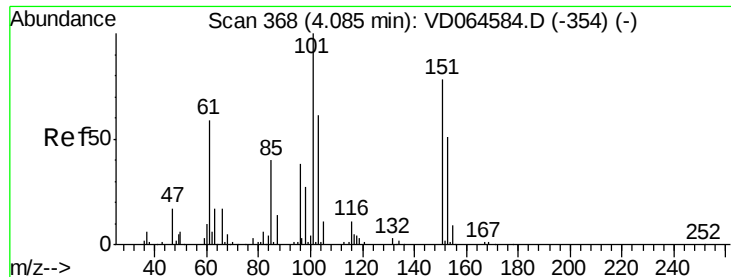


#8

Diethyl Ether
 Concen: 20.861 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 74 Resp: 39657
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.589 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

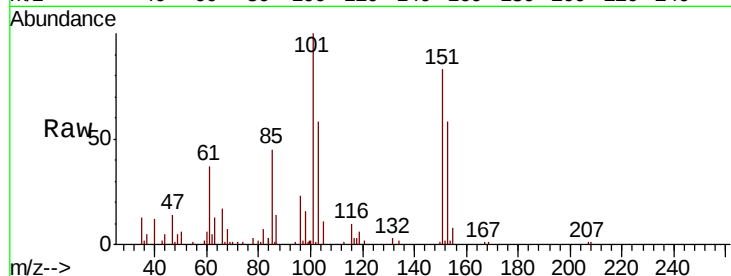
Tot Ion:101 Resp: 81630

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

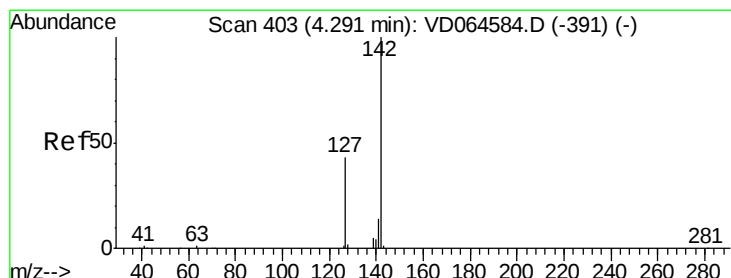
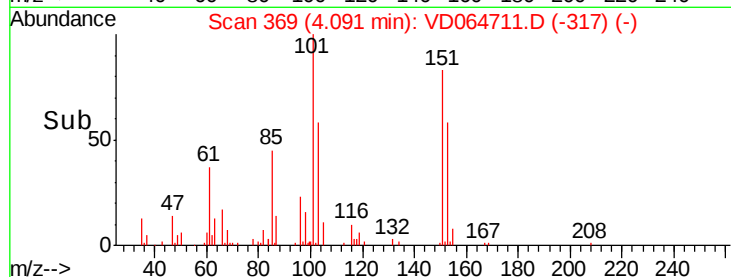
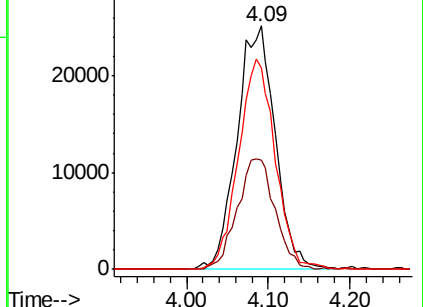
151 83.0 66.2 99.4



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: 20.825 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

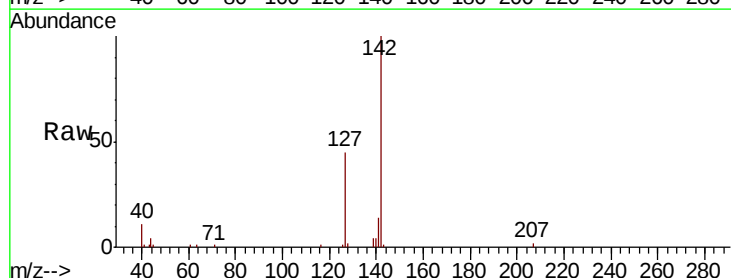
Tgt Ion:142 Resp: 88688

Ion Ratio Lower Upper

142 100

127 44.8 36.2 54.4

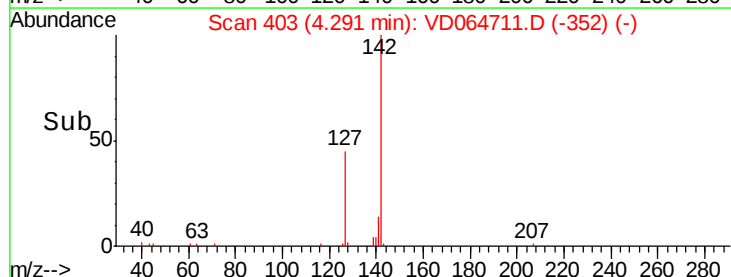
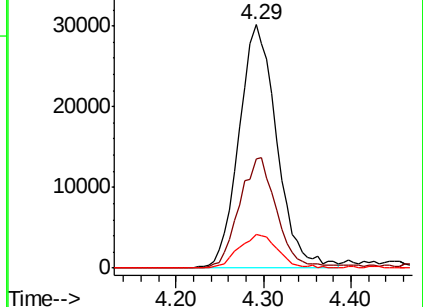
141 14.2 11.8 17.8



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



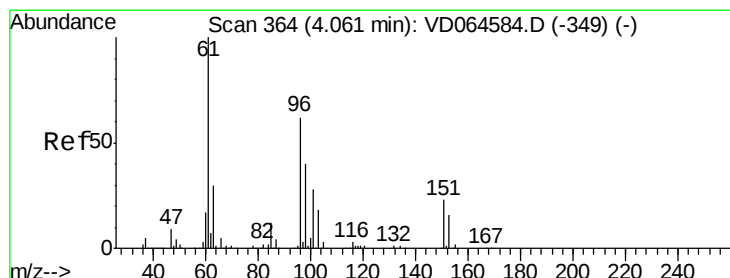
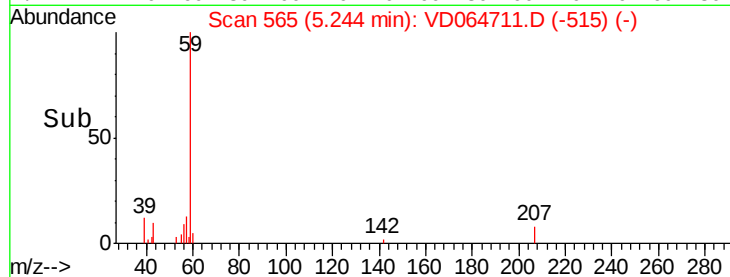
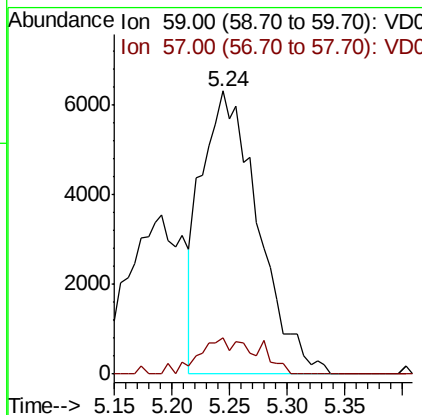
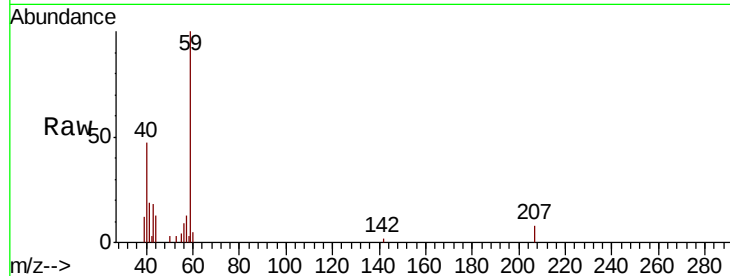


#11

Tert butyl alcohol
 Concen: 99.315 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

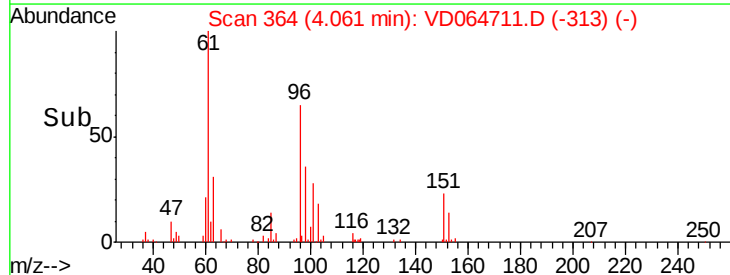
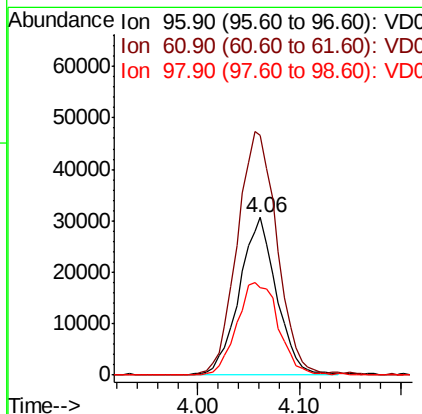
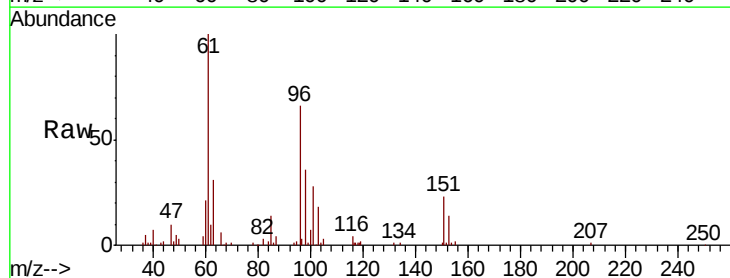
Tot Ion: 59 Resp: 21533
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

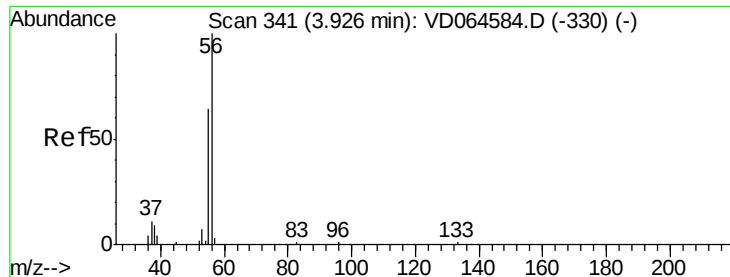


#12

1,1-Dichloroethene
 Concen: 20.695 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 96 Resp: 78117
 Ion Ratio Lower Upper
 96 100
 61 151.8 129.4 194.0
 98 55.1 51.4 77.0





#13

Acrolein

Concen: 83.008 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

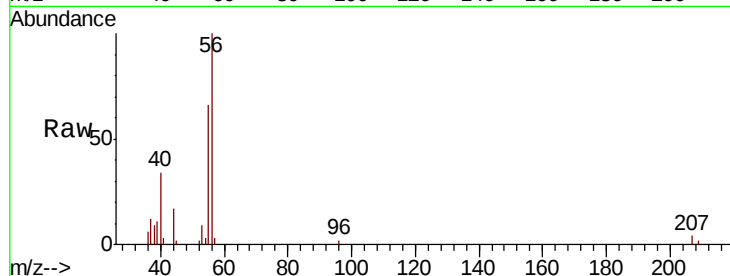
VD0102SBSD01

Tot Ion: 56 Resp: 25082

Ion Ratio Lower Upper

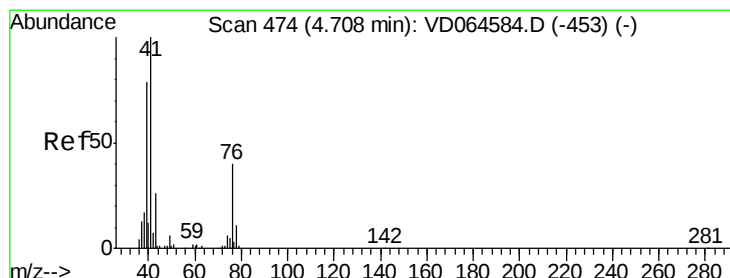
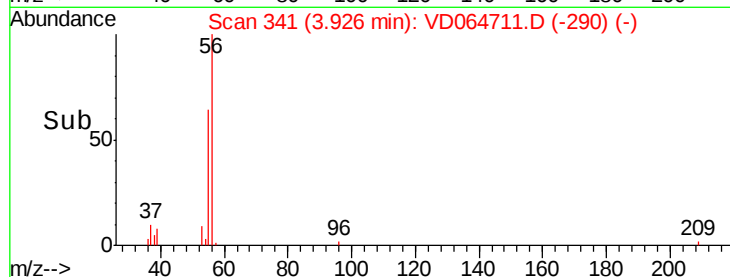
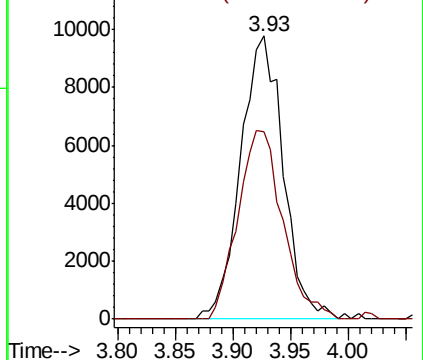
56 100

55 70.2 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: 20.936 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

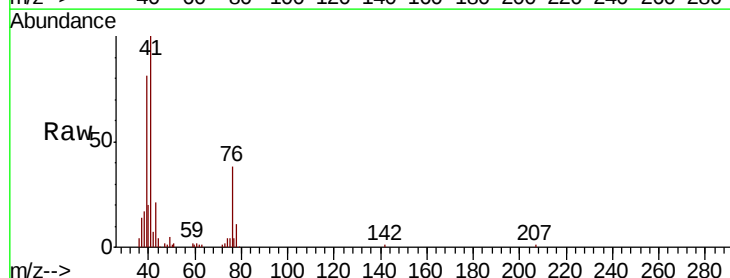
Tgt Ion: 41 Resp: 123210

Ion Ratio Lower Upper

41 100

39 77.6 62.3 93.5

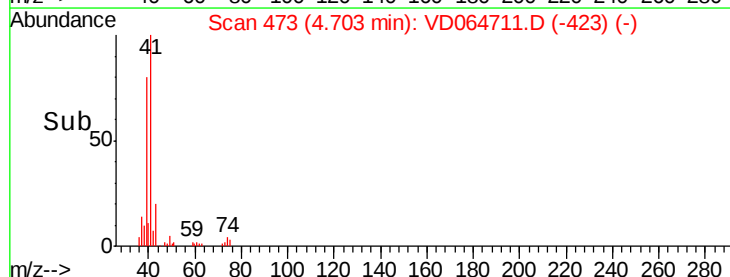
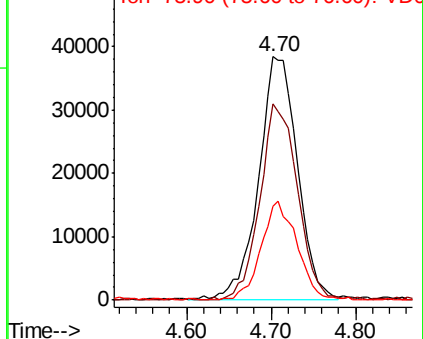
76 37.7 29.7 44.5

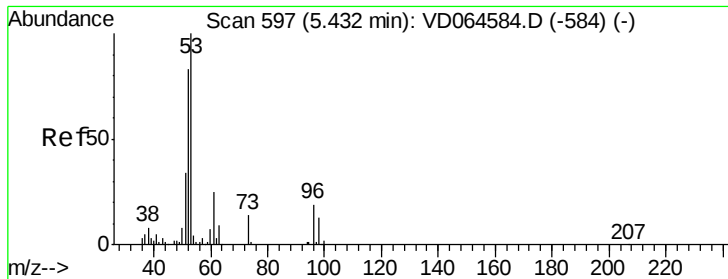


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.109 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

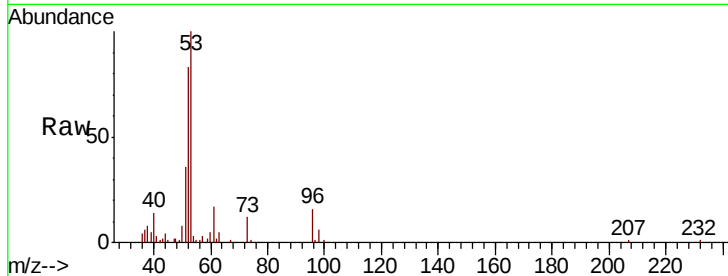
Tot Ion: 53 Resp: 81647

Ion Ratio Lower Upper

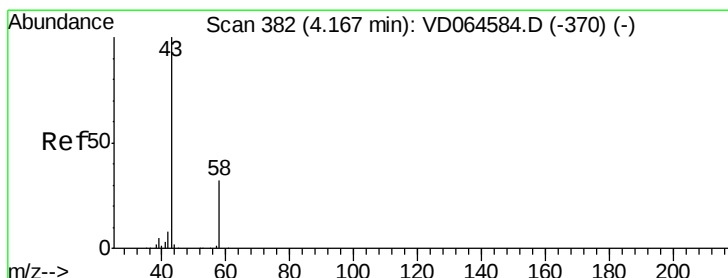
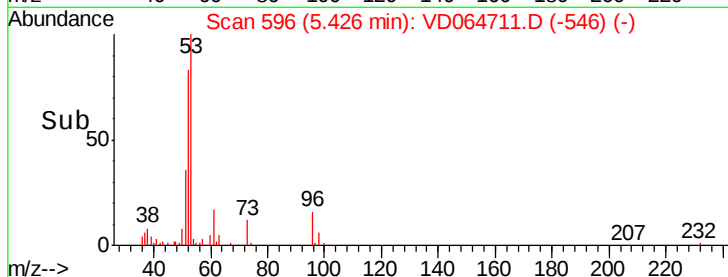
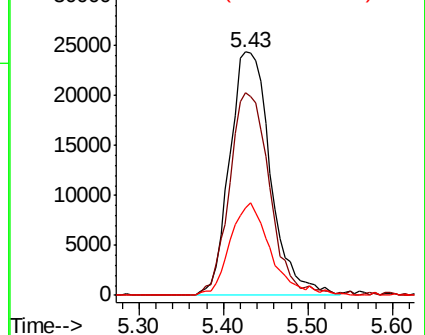
53 100

52 81.9 66.2 99.2

51 37.9 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: 102.257 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064711.D

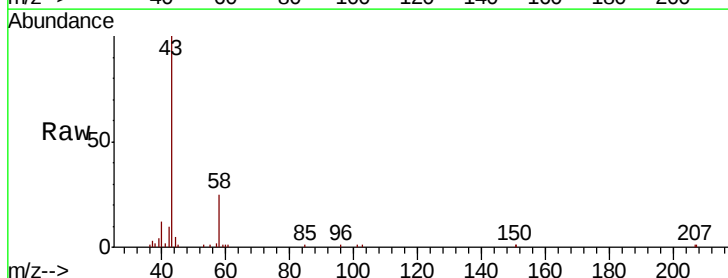
Acq: 02 Jan 2020 12:10

Tgt Ion: 43 Resp: 85213

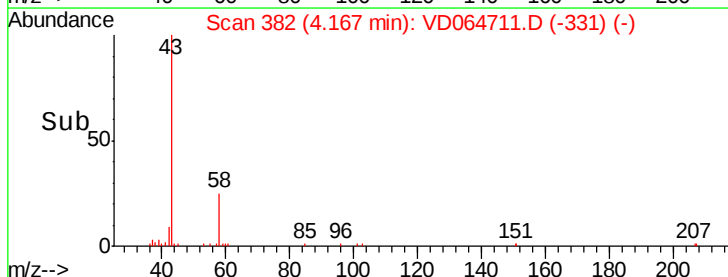
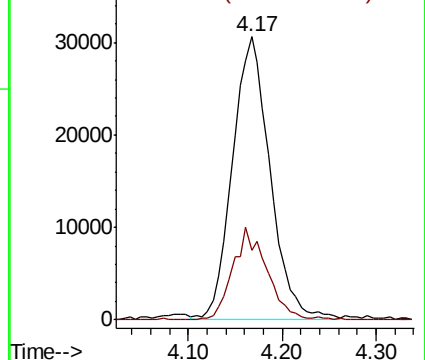
Ion Ratio Lower Upper

43 100

58 24.8 25.8 38.6#



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

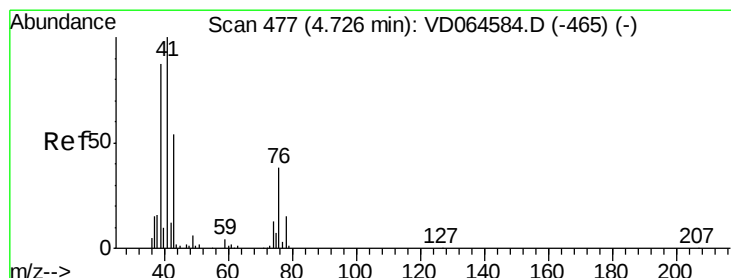
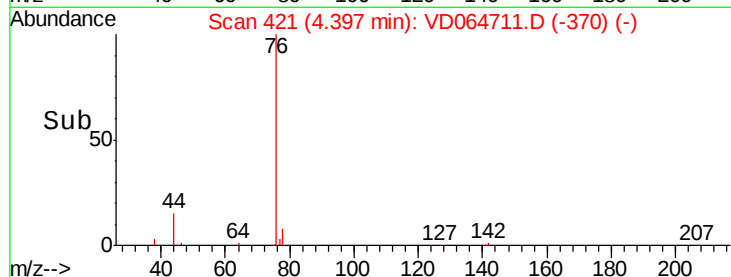
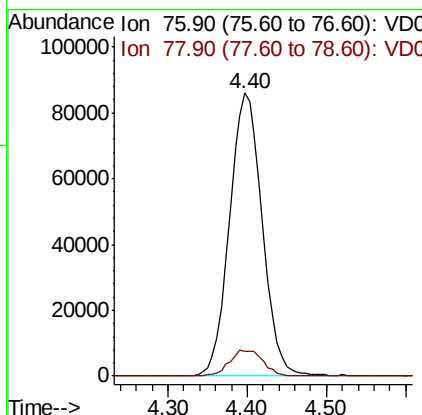
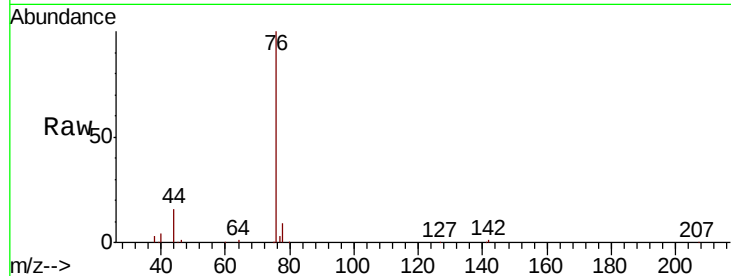




#17
Carbon Disulfide
Concen: 20.089 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

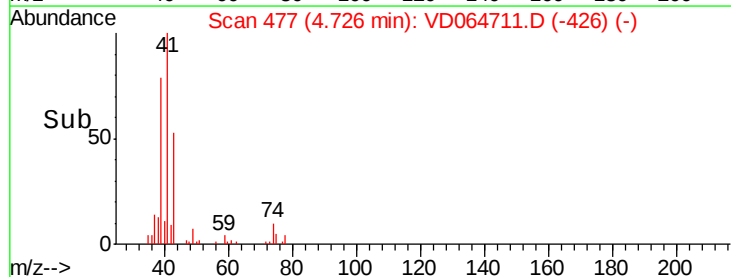
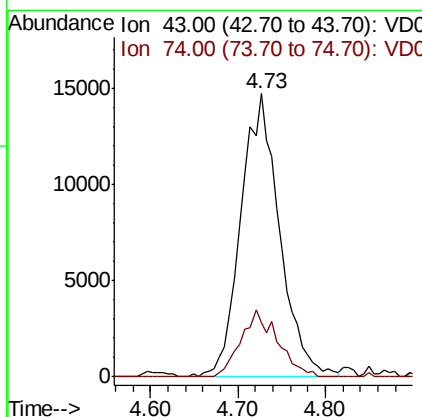
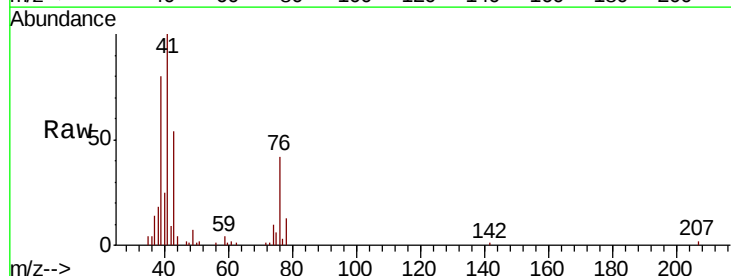
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

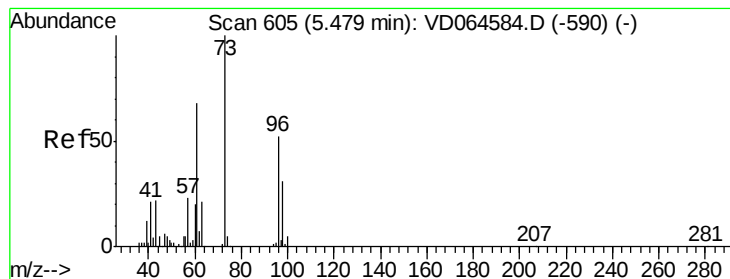
Tot Ion: 76 Resp: 245185
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 20.834 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 43 Resp: 44374
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8



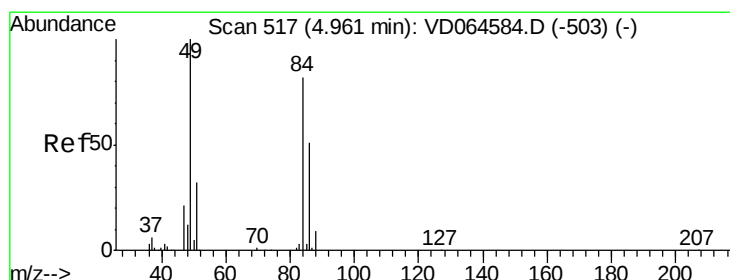
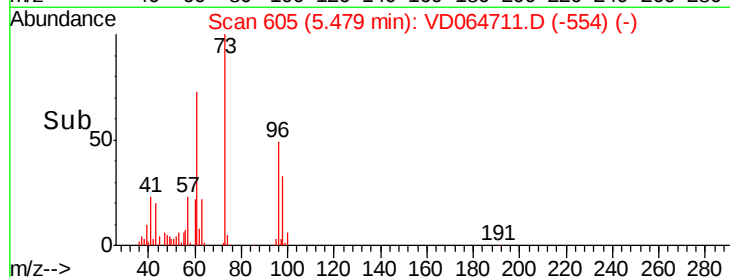
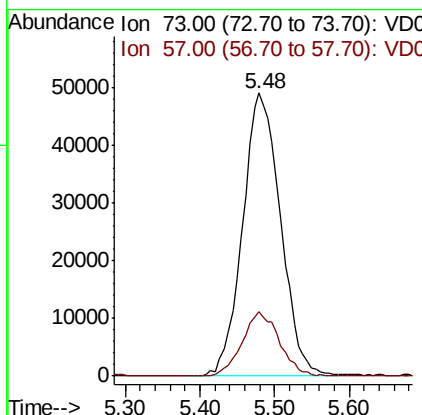
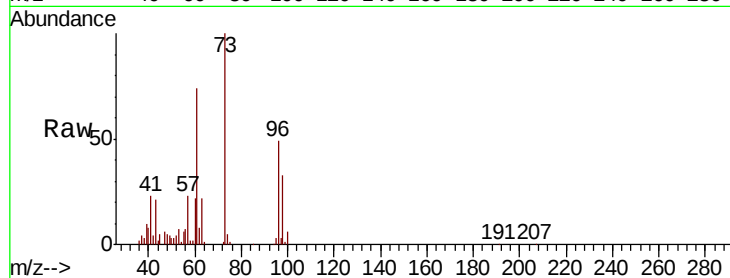


#19

Methyl tert-butyl Ether
 Concen: 20.623 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0102SBSD01

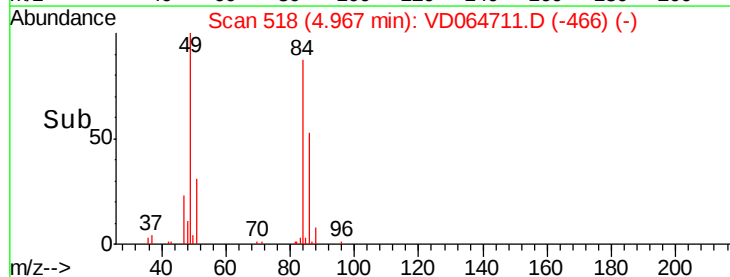
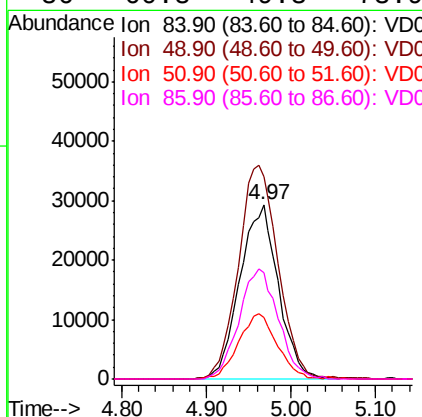
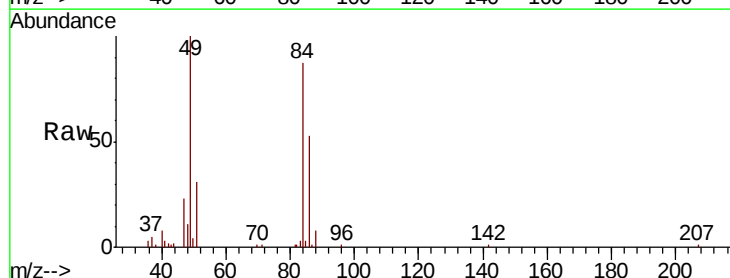
Tot Ion: 73 Resp: 172901
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.6 27.8

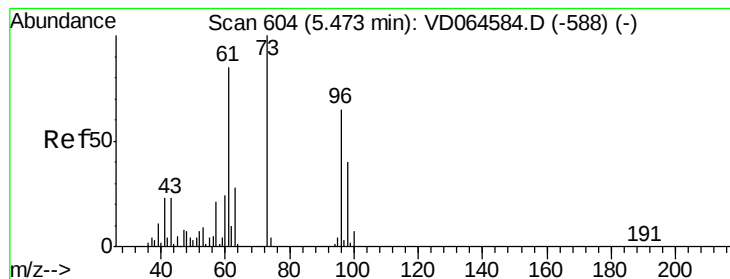


#20

Methylene Chloride
 Concen: 21.138 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 84 Resp: 92702
 Ion Ratio Lower Upper
 84 100
 49 115.5 97.2 145.8
 51 35.3 31.4 47.0
 86 60.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.814 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

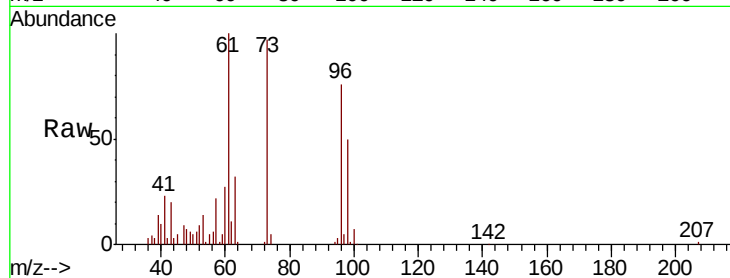
Tot Ion: 96 Resp: 89472

Ion Ratio Lower Upper

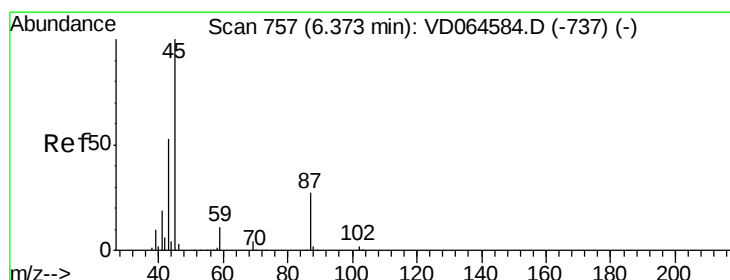
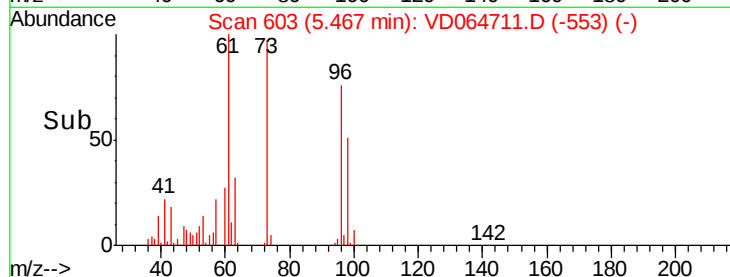
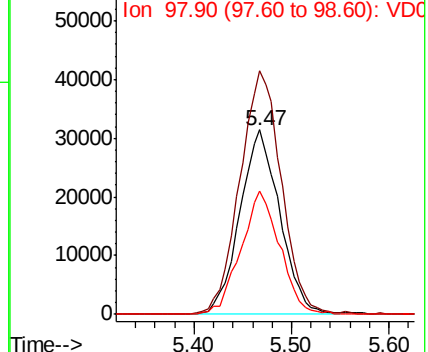
96 100

61 132.0 104.7 157.1

98 66.6 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: 21.114 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion: 45 Resp: 247838

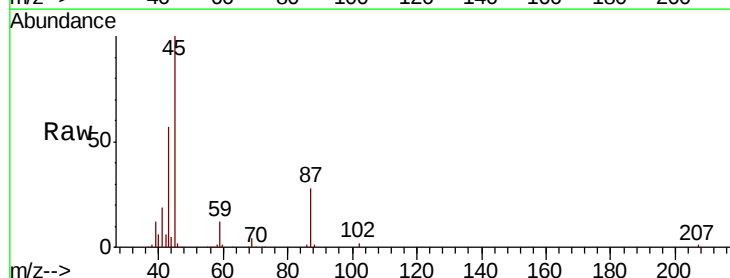
Ion Ratio Lower Upper

45 100

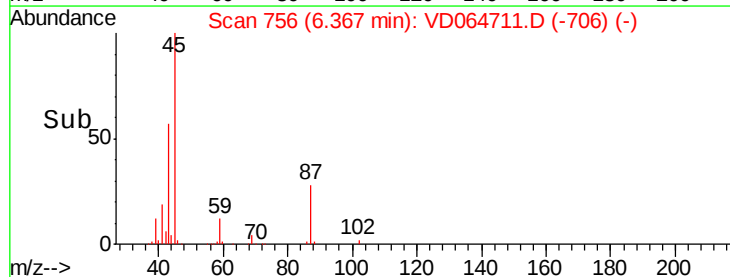
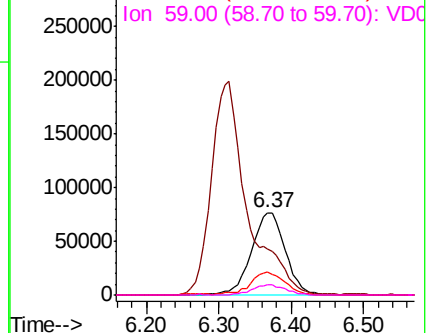
43 56.0 43.2 64.8

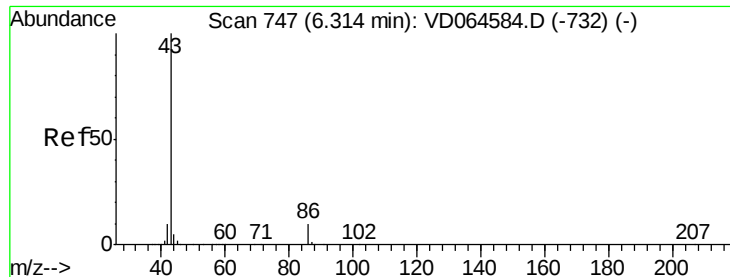
87 27.8 21.9 32.9

59 12.3 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: 102.649 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

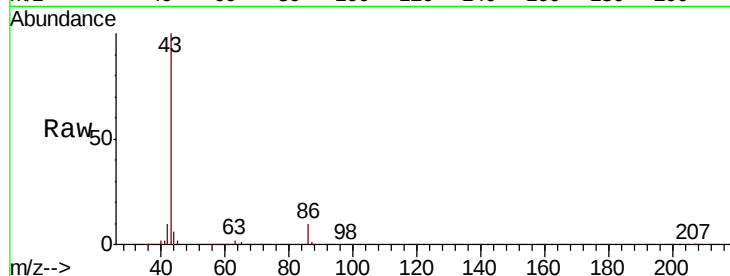
VD0102SBSD01

Tot Ion: 43 Resp: 683503

Ion Ratio Lower Upper

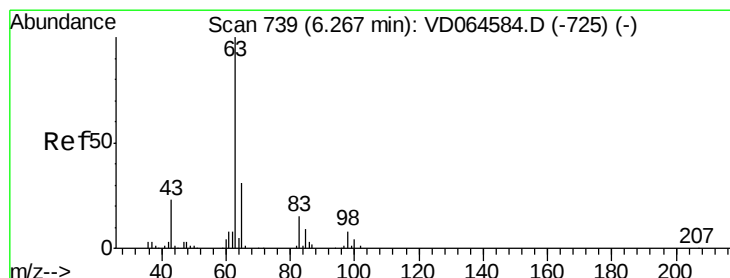
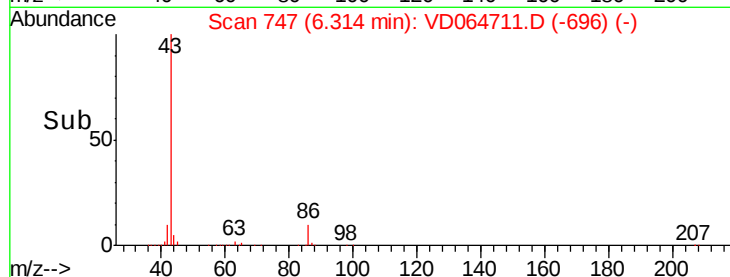
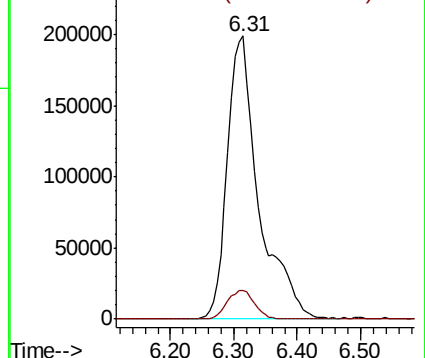
43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.089 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

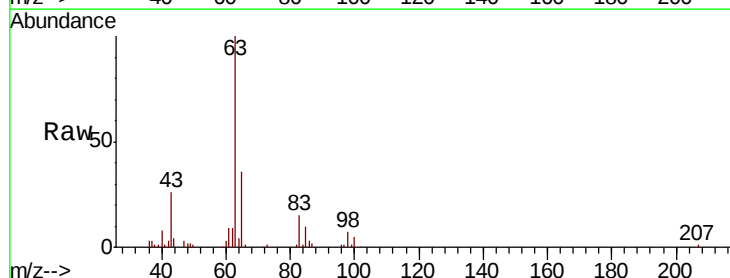
Tgt Ion: 63 Resp: 148609

Ion Ratio Lower Upper

63 100

98 7.4 4.1 12.3

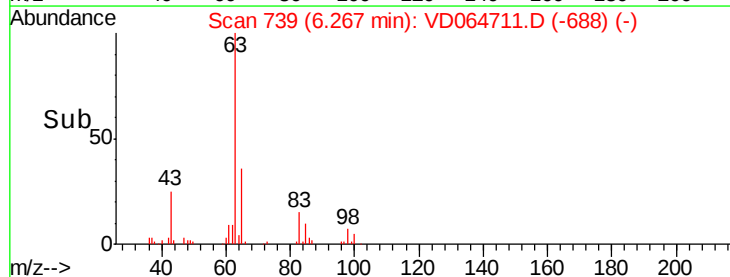
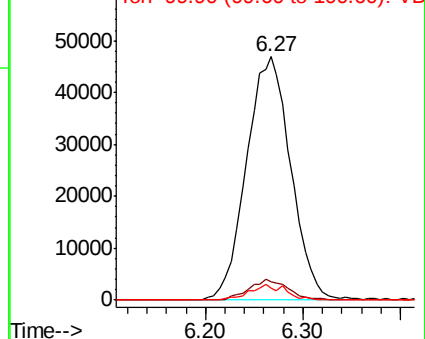
100 5.1 2.2 6.6

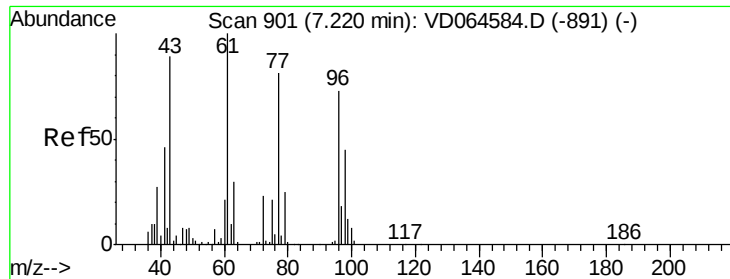


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

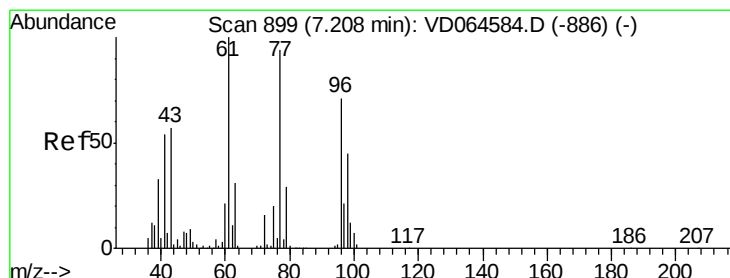
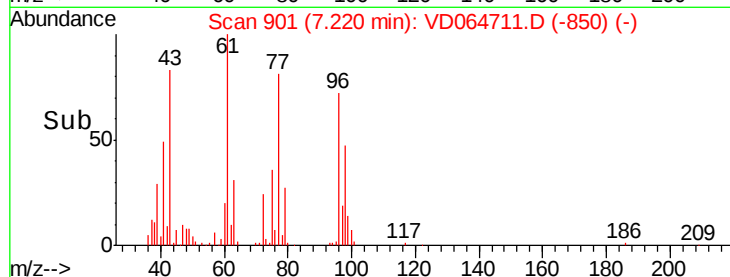
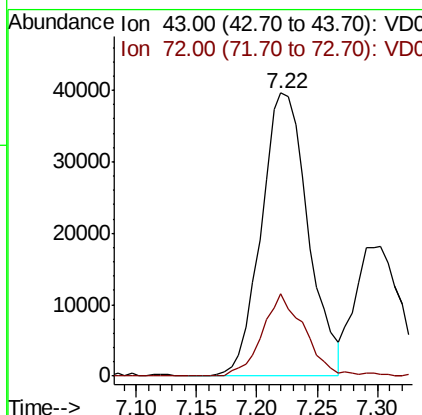
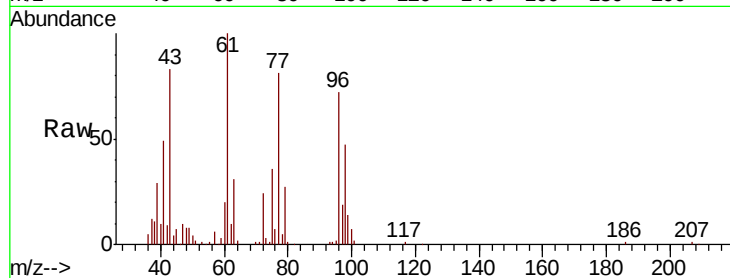




#25
2-Butanone
Concen: 102.266 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

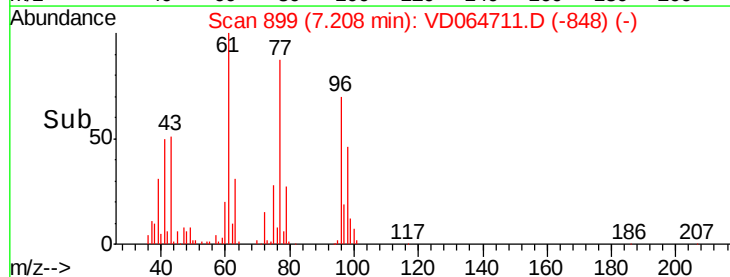
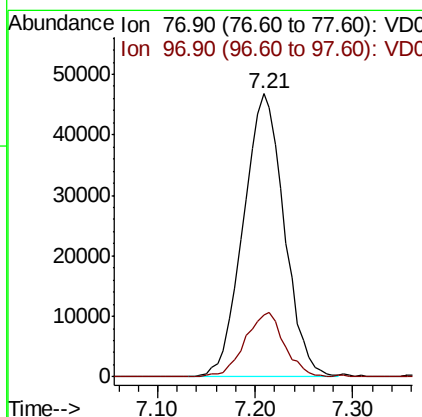
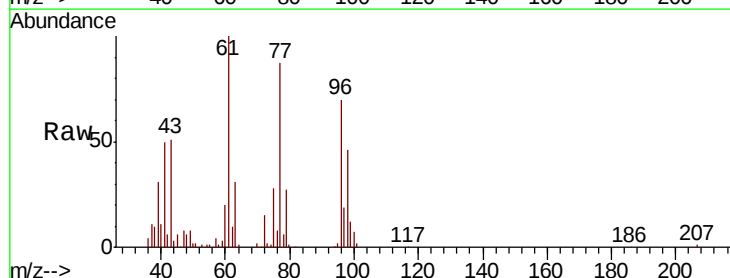
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

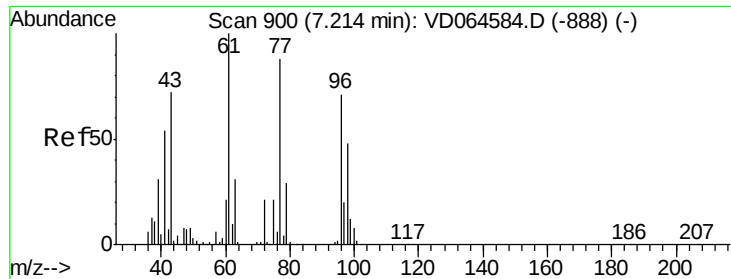
Tot Ion: 43 Resp: 106347
Ion Ratio Lower Upper
43 100
72 29.1 20.7 31.1



#26
2,2-Dichloropropane
Concen: 20.857 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 77 Resp: 136654
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.6

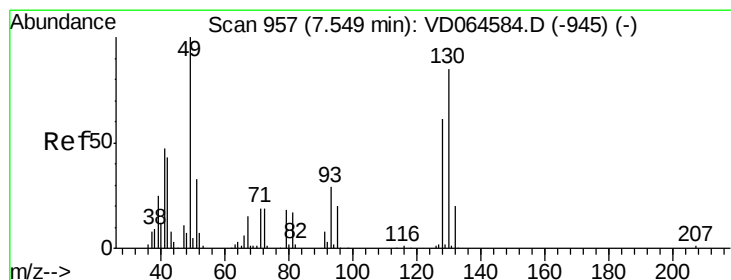
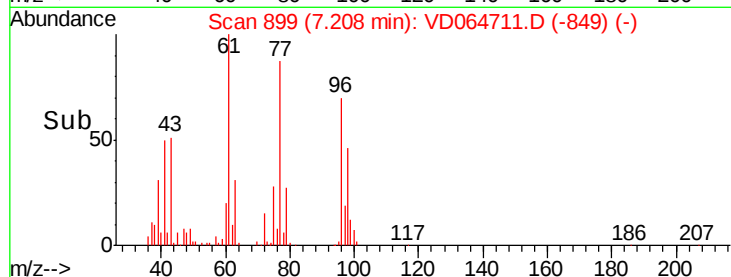
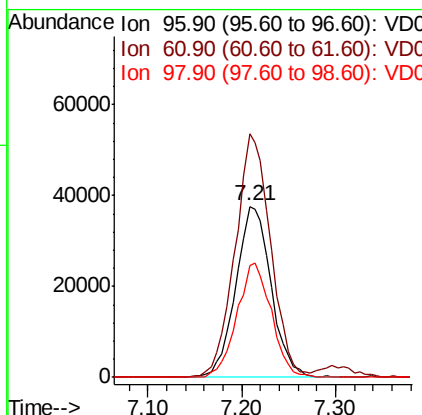
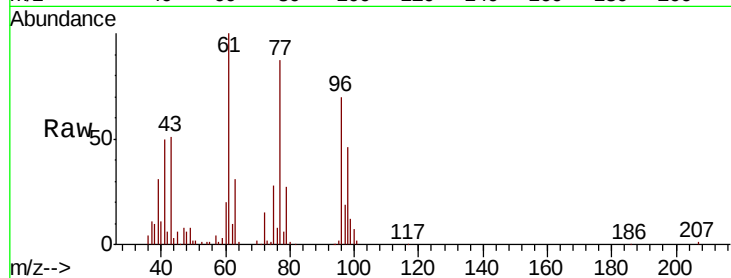




#27
 cis-1,2-Dichloroethene
 Concen: 21.121 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

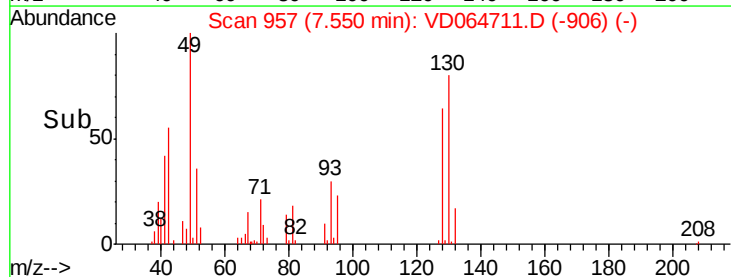
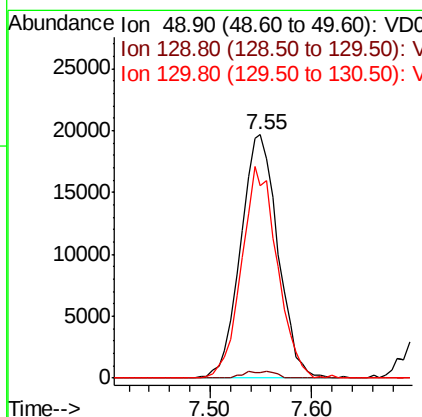
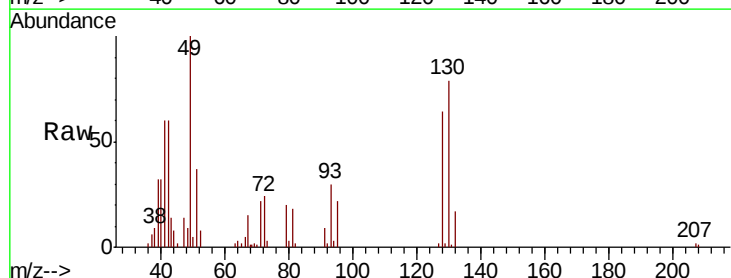
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

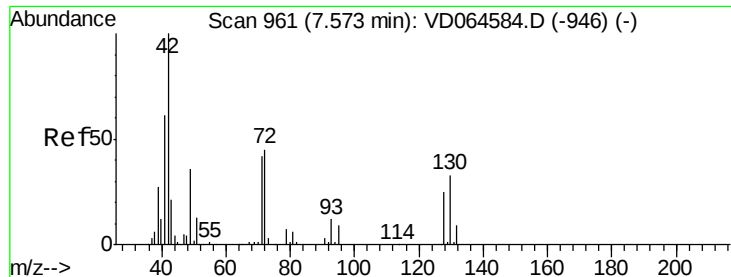
Tot Ion: 96 Resp: 97985
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 282.6
 98 64.9 0.0 130.8



#28
 Bromochloromethane
 Concen: 18.313 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 49 Resp: 50165
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.8
 130 82.8 65.0 97.6

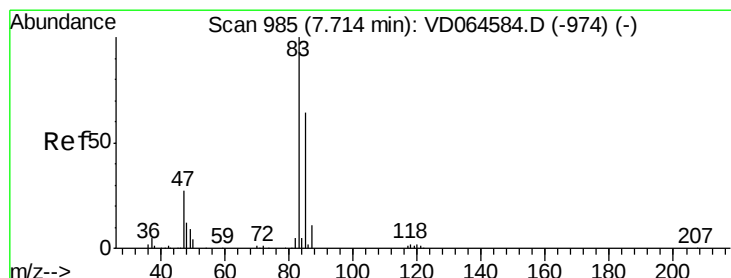
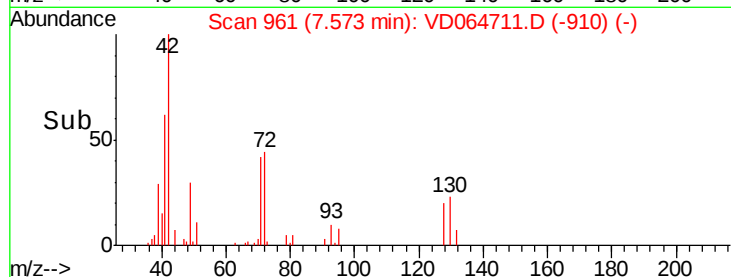
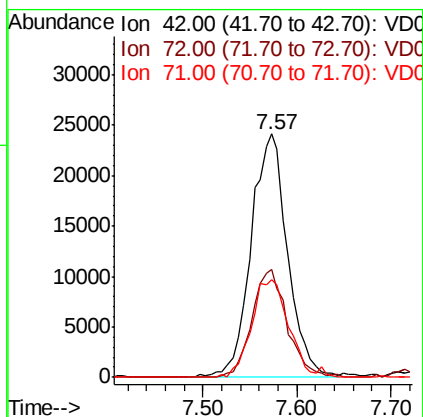
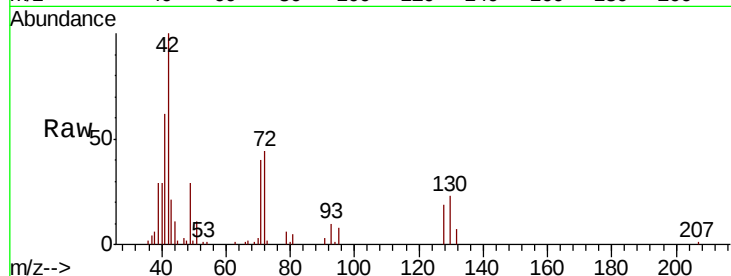




#29
Tetrahydrofuran
Concen: 100.230 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

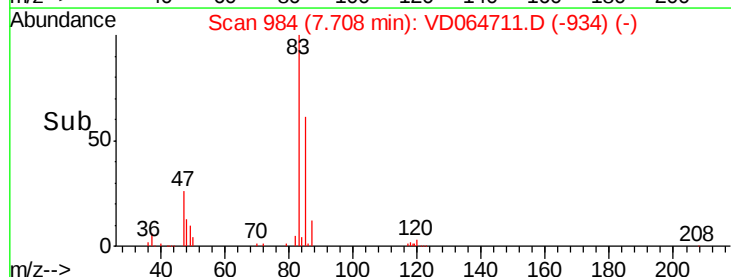
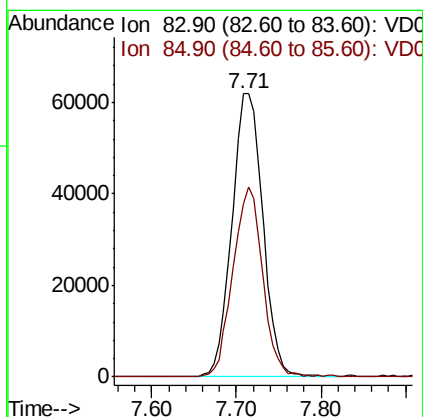
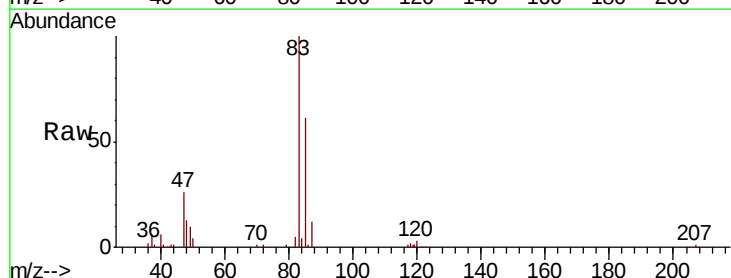
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

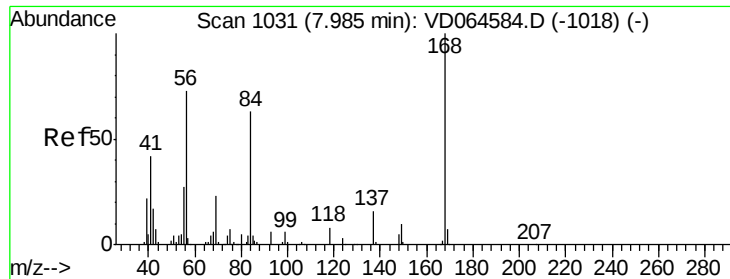
Tot Ion: 42 Resp: 64818
Ion Ratio Lower Upper
42 100
72 42.7 35.0 52.4
71 40.3 32.9 49.3



#30
Chloroform
Concen: 21.195 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 83 Resp: 156703
Ion Ratio Lower Upper
83 100
85 61.3 51.1 76.7

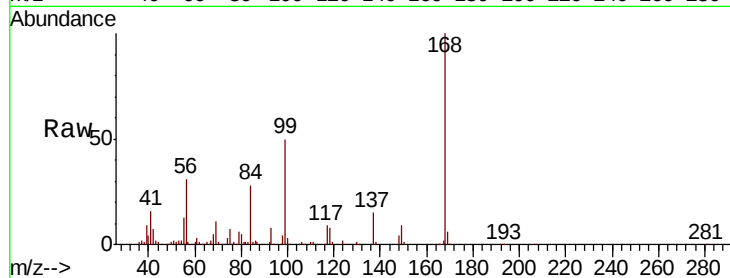




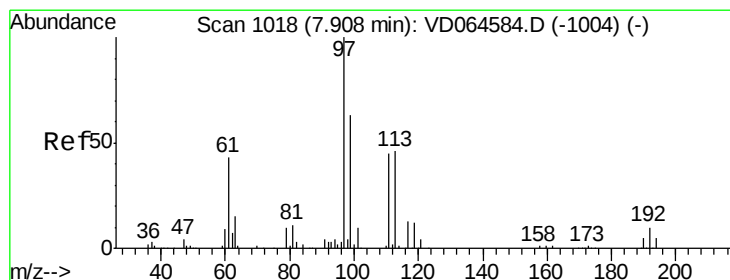
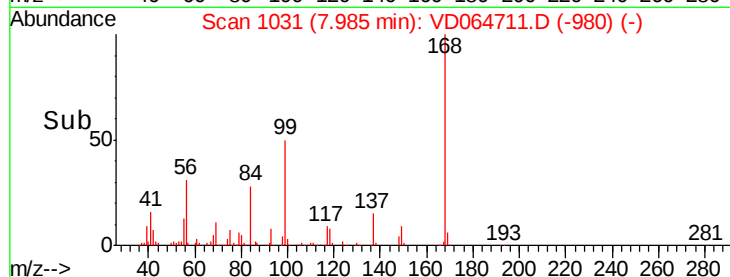
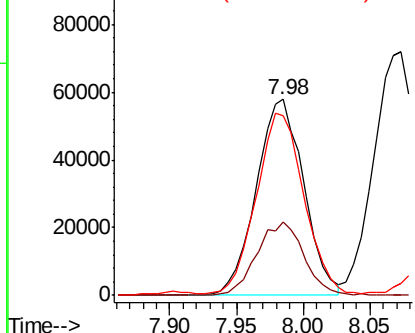
#31
Cyclohexane
Concen: 20.259 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion: 56 Resp: 142902
Ion Ratio Lower Upper
56 100
69 37.4 24.7 37.1#
84 89.9 69.4 104.2

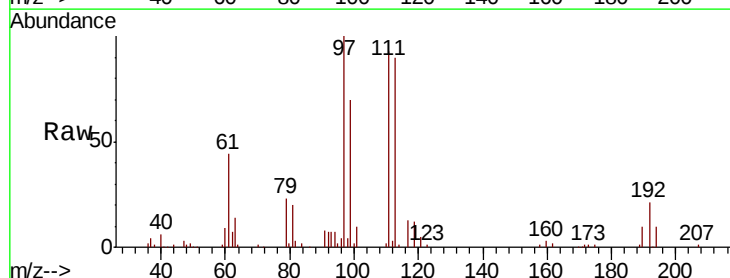


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

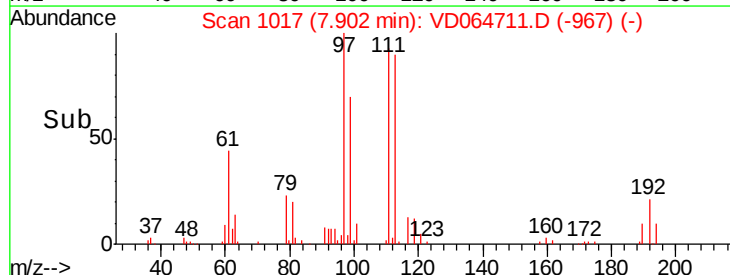
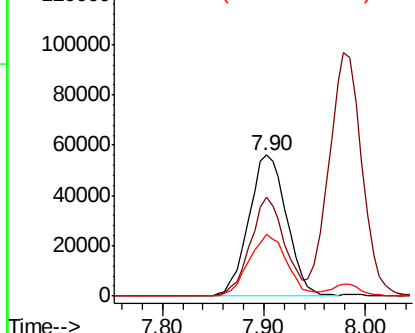


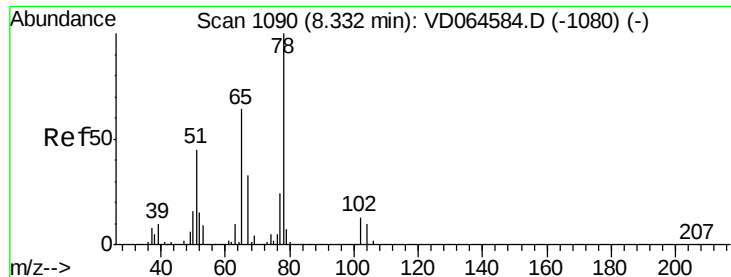
#32
1,1,1-Trichloroethane
Concen: 21.004 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 97 Resp: 145858
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 44.0 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

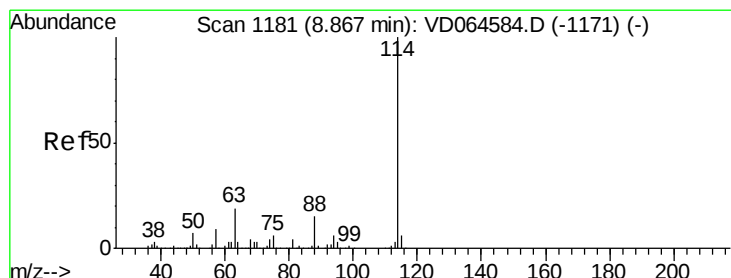
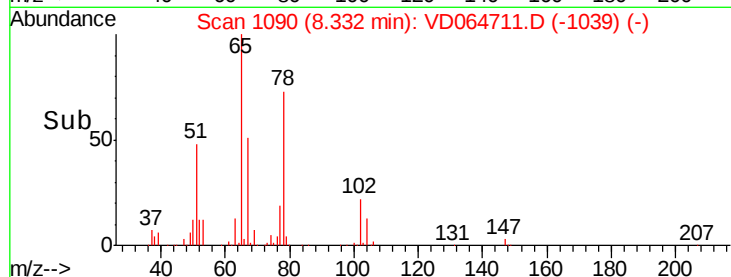
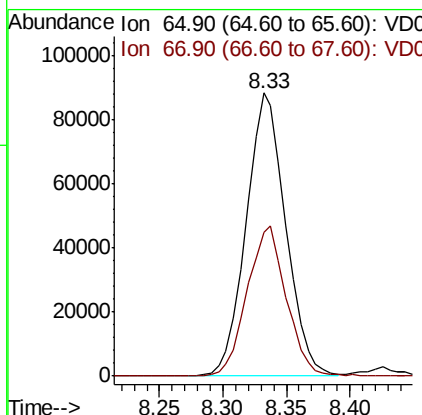
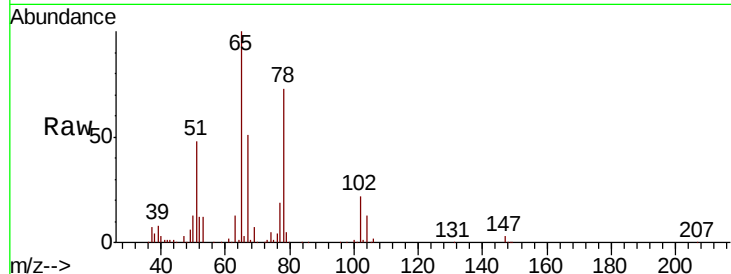




#33
 1,2-Dichloroethane-d4
 Concen: 50.408 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

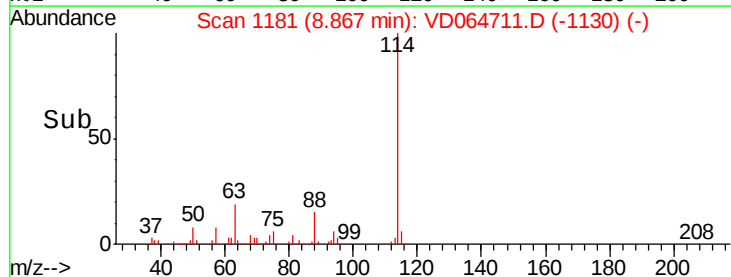
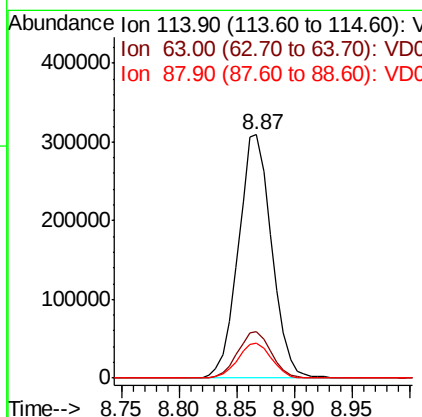
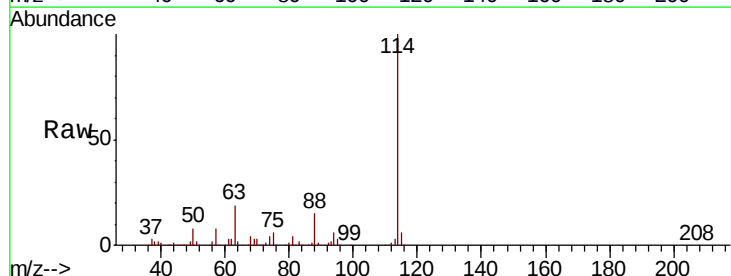
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion: 65 Resp: 190703
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 114 Resp: 620305
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.6 0.0 29.2

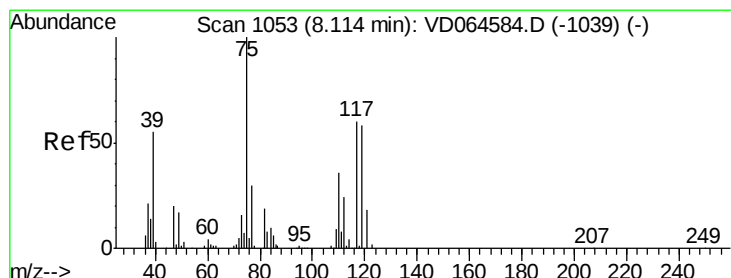
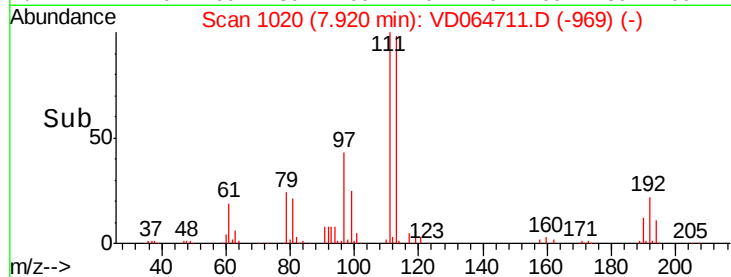
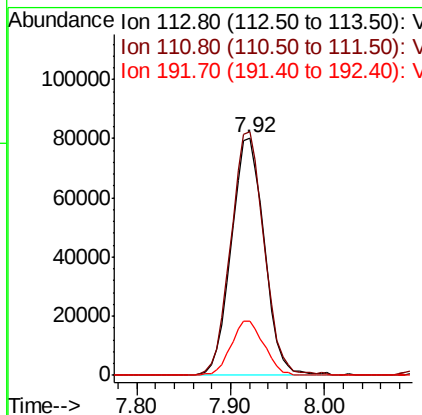
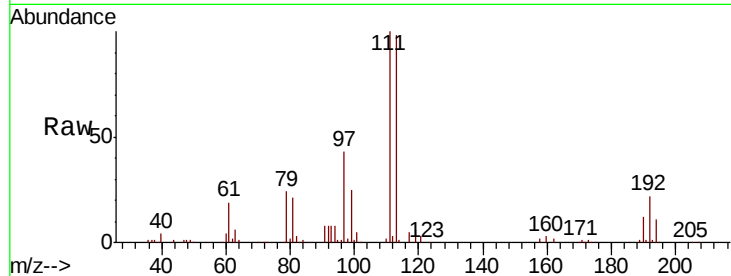




#35
 Dibromofluoromethane
 Concen: 51.353 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

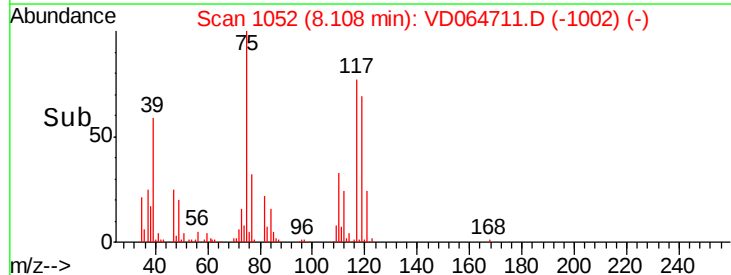
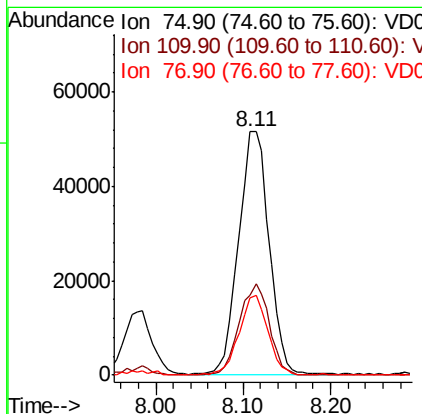
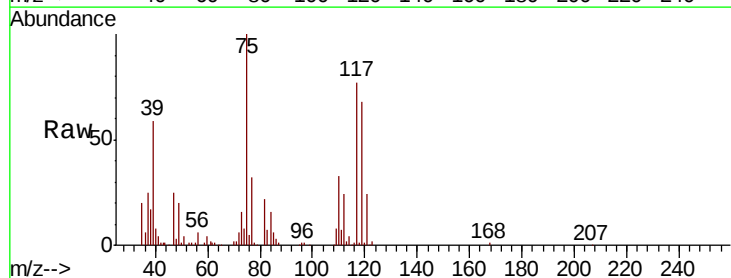
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.6	121.0
192	23.1	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 20.318 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.1
77	31.1	24.2	36.4

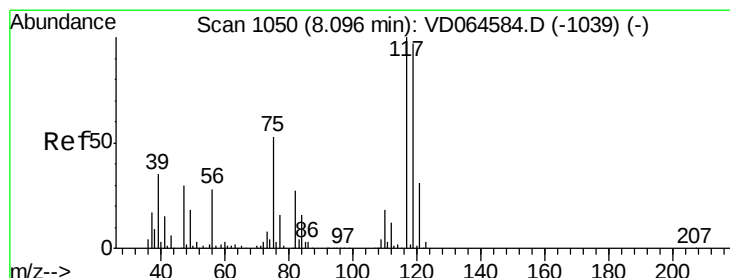
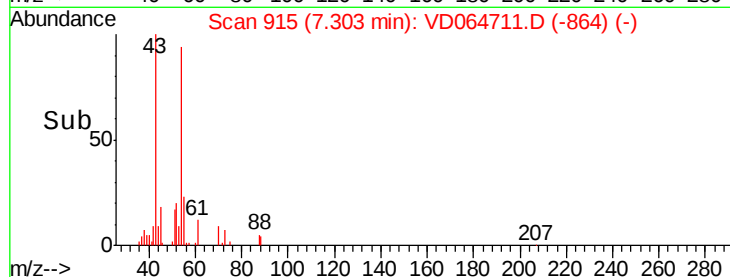
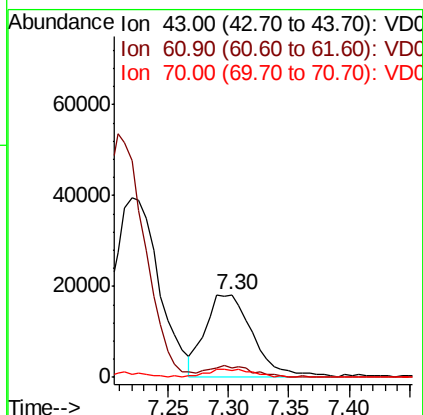
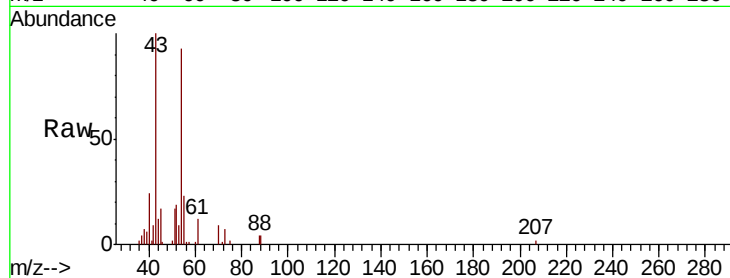




#37
Ethyl Acetate
Concen: 20.799 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

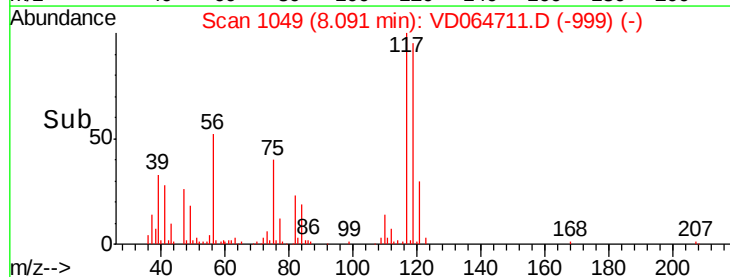
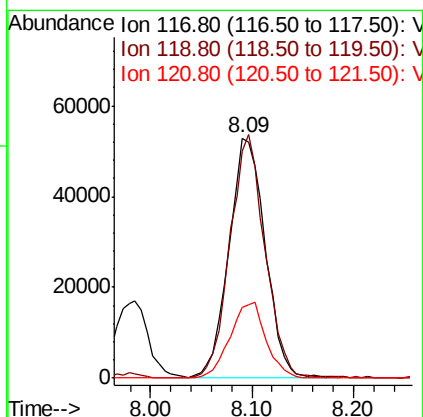
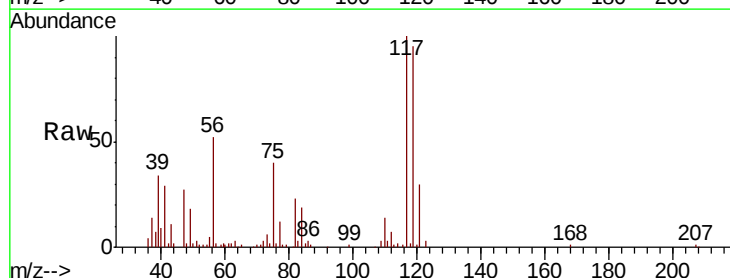
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

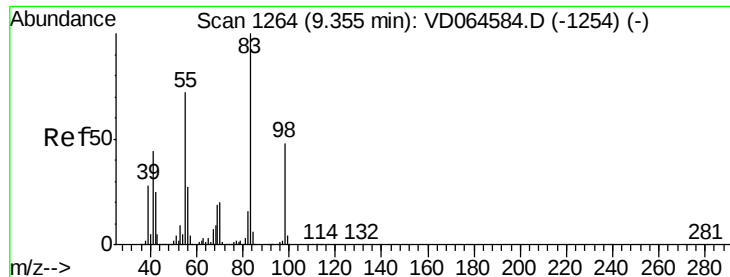
Tot Ion: 43 Resp: 48784
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.691 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 117 Resp: 131721
Ion Ratio Lower Upper
117 100
119 94.2 77.3 115.9
121 29.5 25.0 37.6

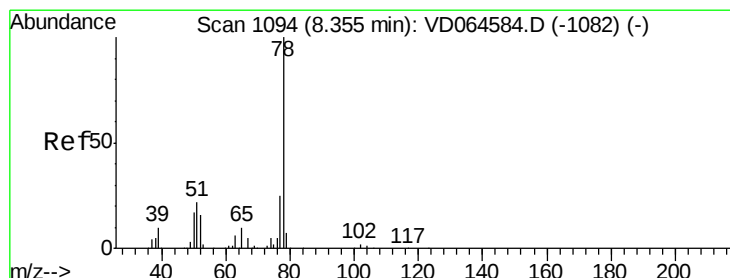
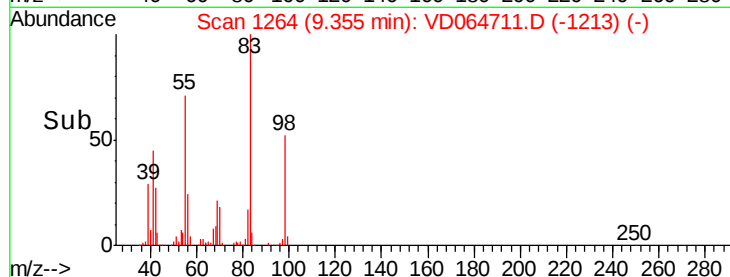
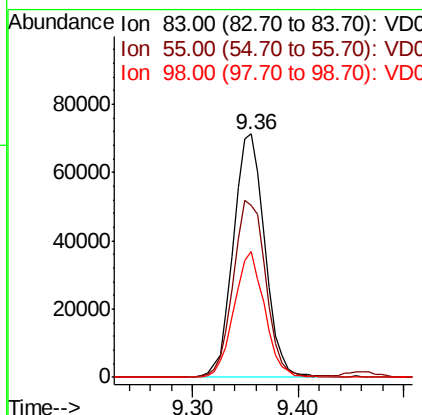
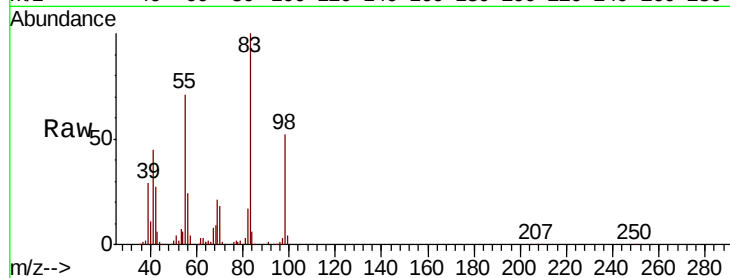




#39
Methylvlcvclohexane
Concen: 20.328 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

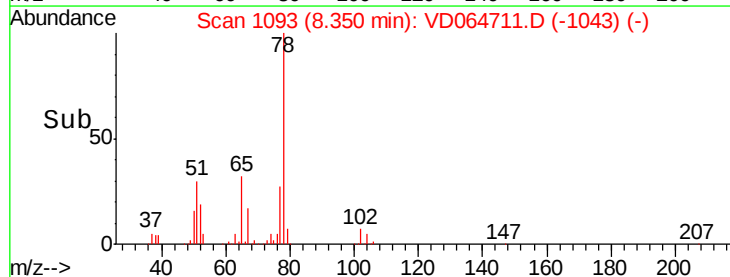
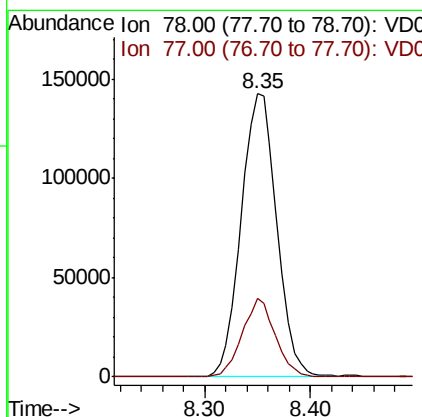
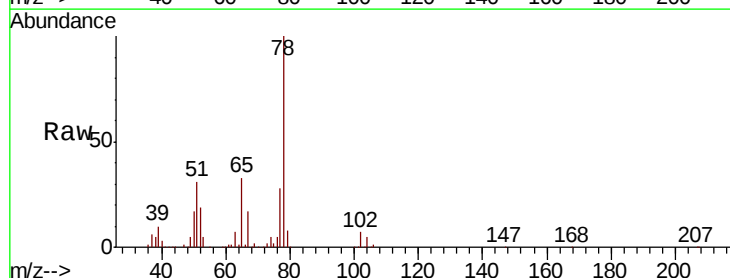
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

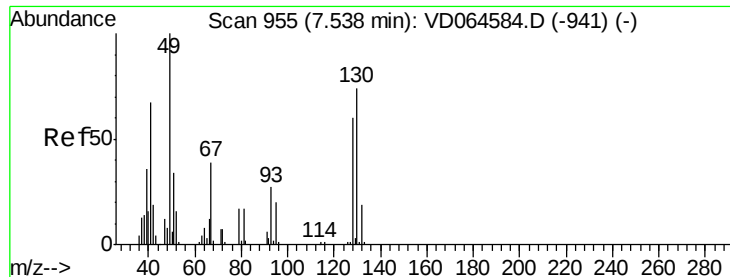
Tot Ion: 83 Resp: 146999
Ion Ratio Lower Upper
83 100
55 70.5 57.8 86.6
98 51.9 38.7 58.1



#40
Benzene
Concen: 20.504 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 78 Resp: 334194
Ion Ratio Lower Upper
78 100
77 27.7 19.9 29.9

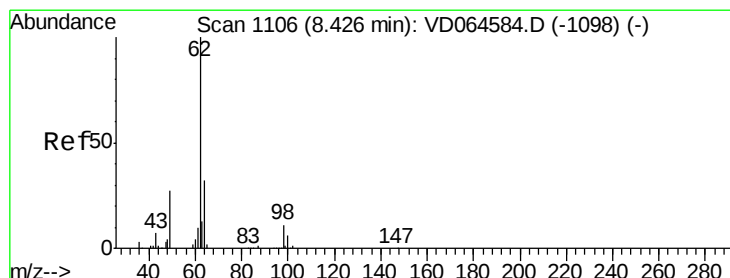
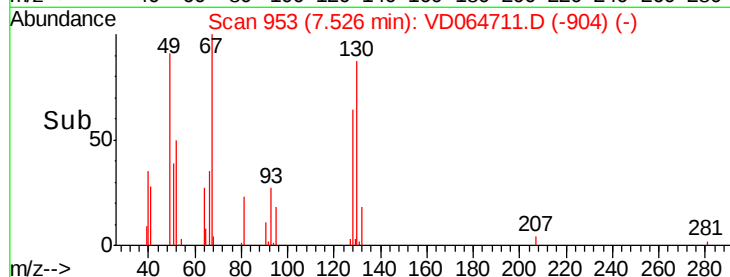
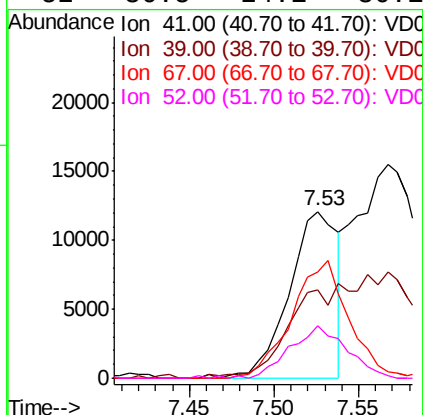
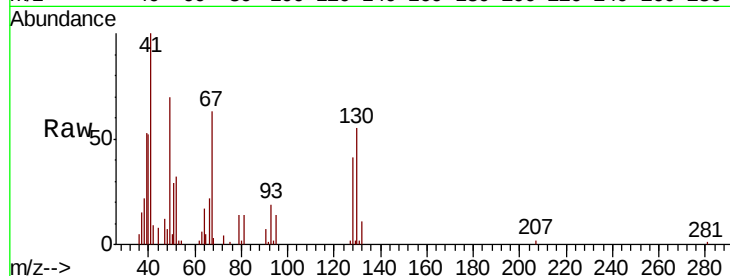




#41
Methacrylonitrile
Concen: 17.768 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

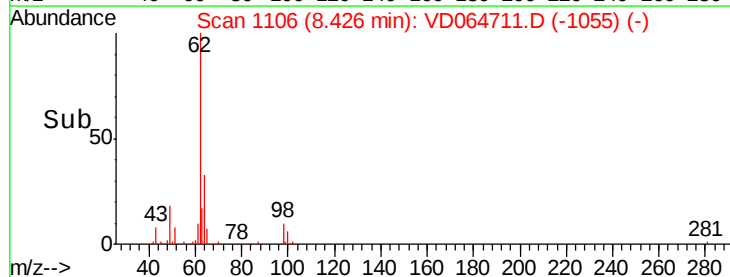
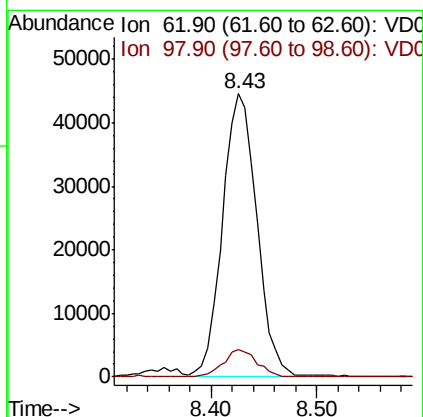
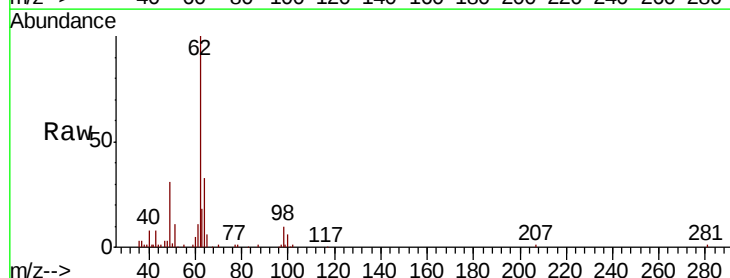
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

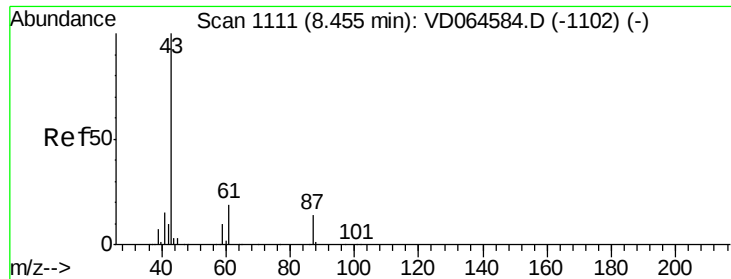
Tot Ion: 41 Resp: 24179
Ion Ratio Lower Upper
41 100
39 47.5 46.7 70.1
67 83.4 52.5 78.7#
52 36.5 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 21.372 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 62 Resp: 100658
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 20.288 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

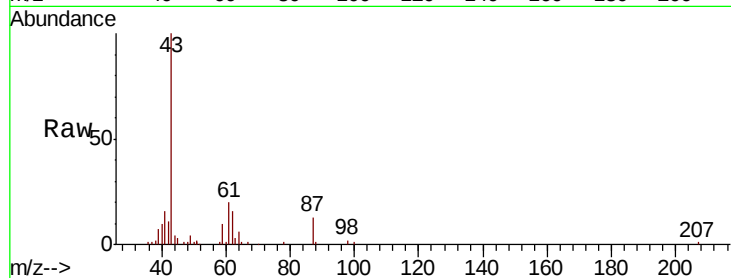
Tot Ion: 43 Resp: 94714

Ion Ratio Lower Upper

43 100

61 30.5 23.7 35.5

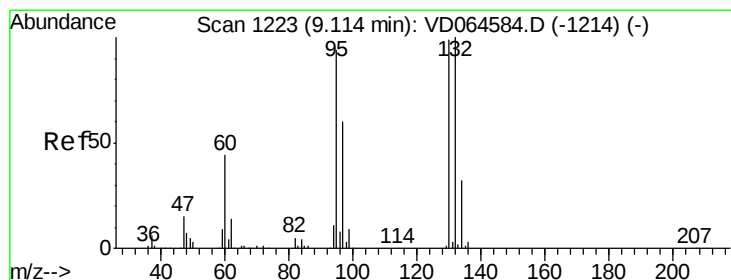
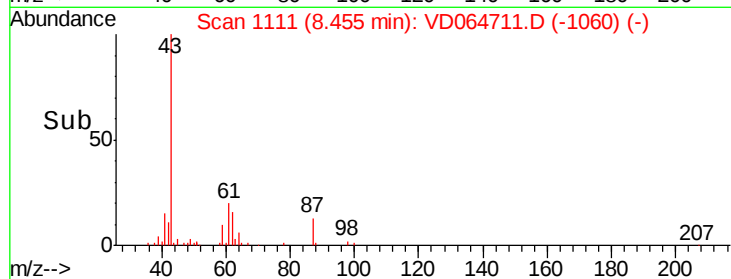
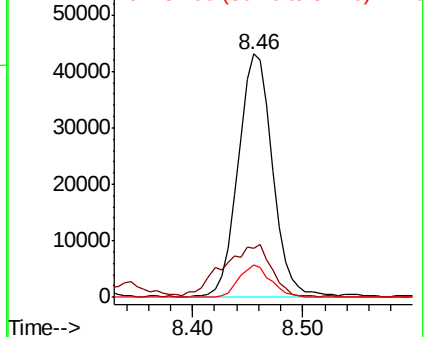
87 12.2 10.5 15.7



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: 20.868 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064711.D

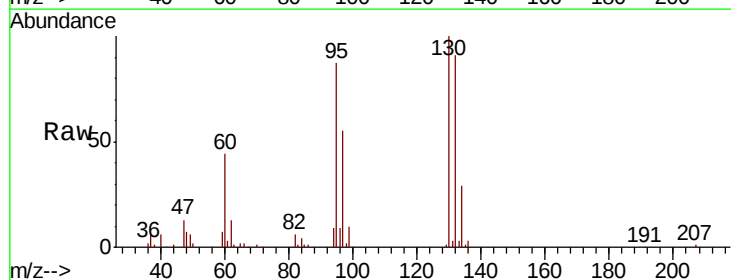
Acq: 02 Jan 2020 12:10

Tgt Ion: 130 Resp: 99918

Ion Ratio Lower Upper

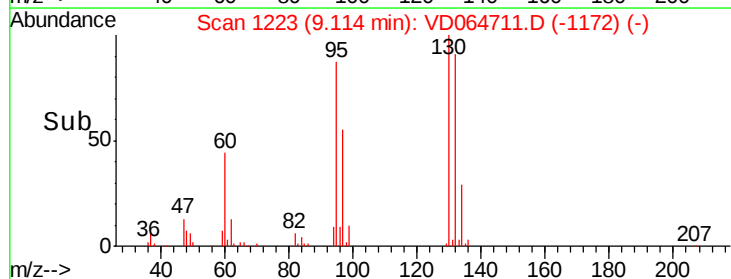
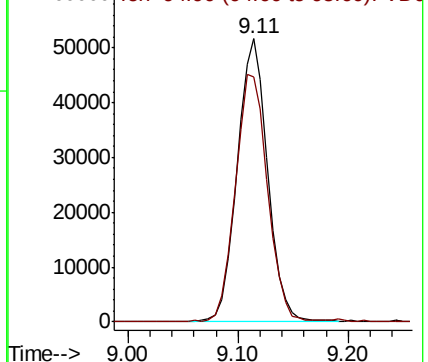
130 100

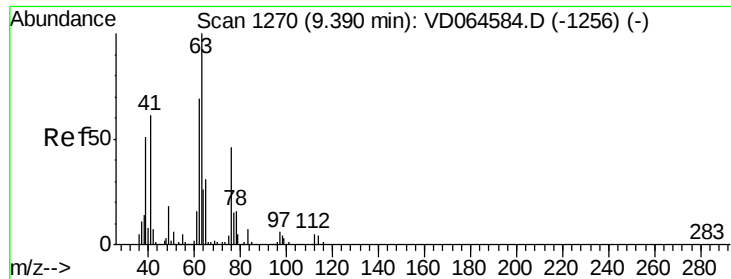
95 86.6 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.032 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

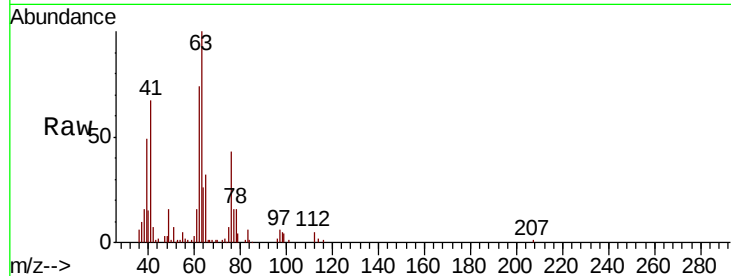
VD0102SBSD01

Tot Ion: 63 Resp: 81846

Ion Ratio Lower Upper

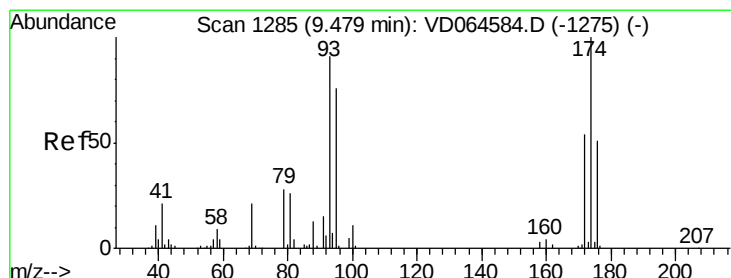
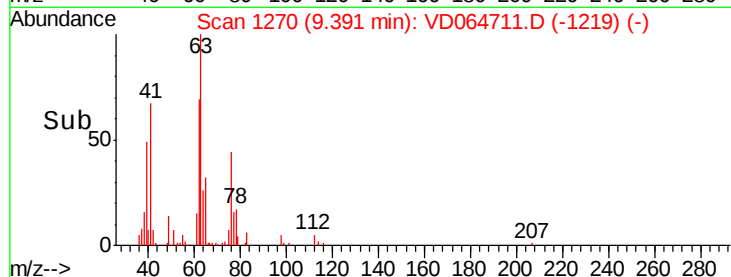
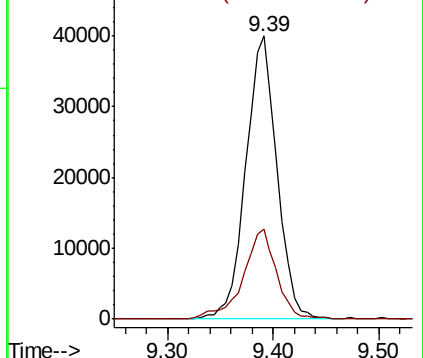
63 100

65 31.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.070 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

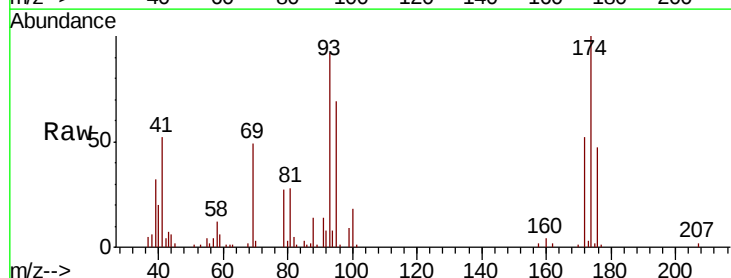
Tgt Ion: 93 Resp: 45715

Ion Ratio Lower Upper

93 100

95 81.4 64.6 97.0

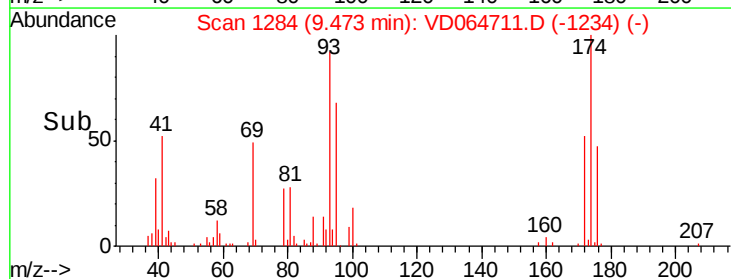
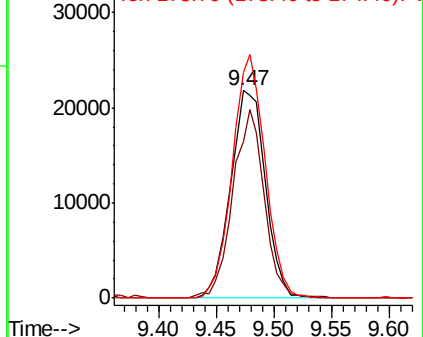
174 110.5 88.1 132.1

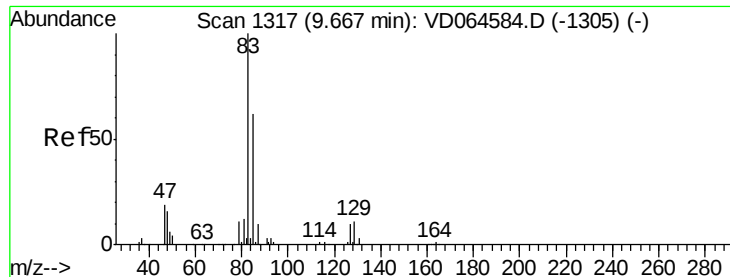


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.489 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

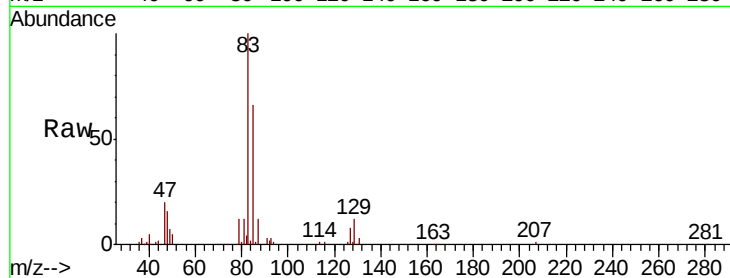
Tot Ion: 83 Resp: 118293

Ion Ratio Lower Upper

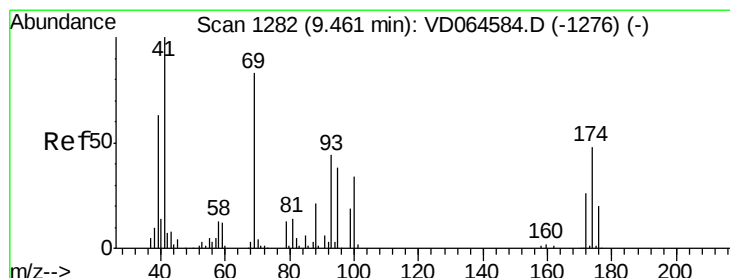
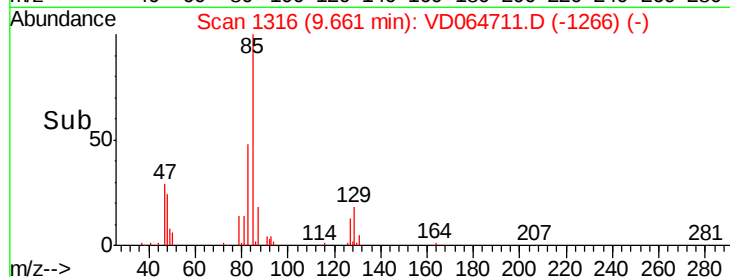
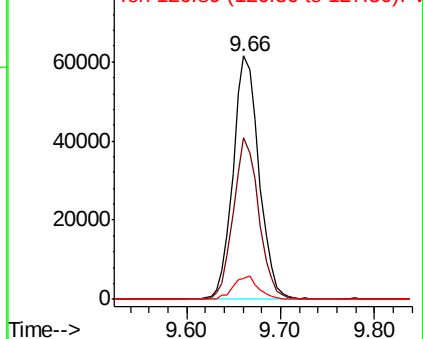
83 100

85 66.2 49.5 74.3

127 8.4 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: 20.097 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

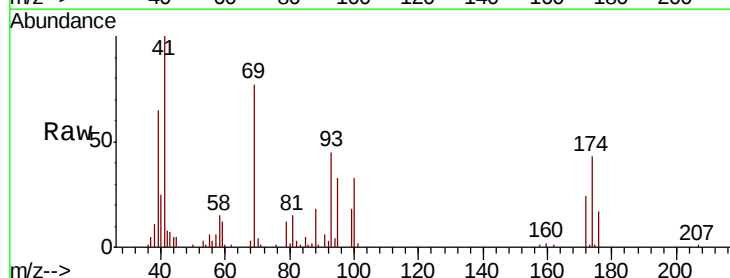
Tgt Ion: 41 Resp: 44176

Ion Ratio Lower Upper

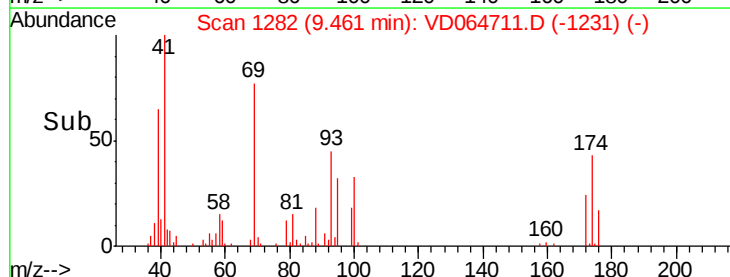
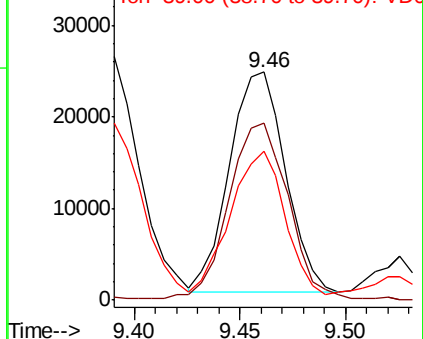
41 100

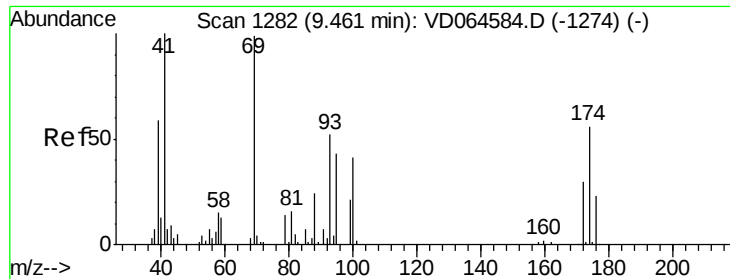
69 86.1 63.0 94.6

39 63.1 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

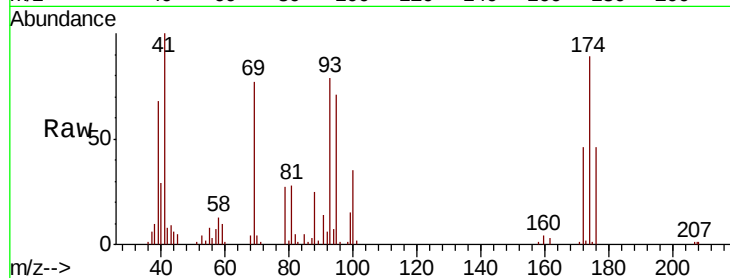




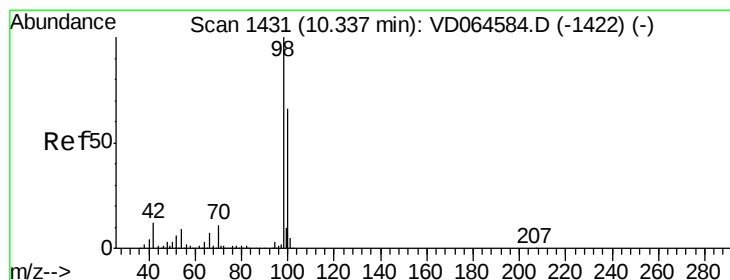
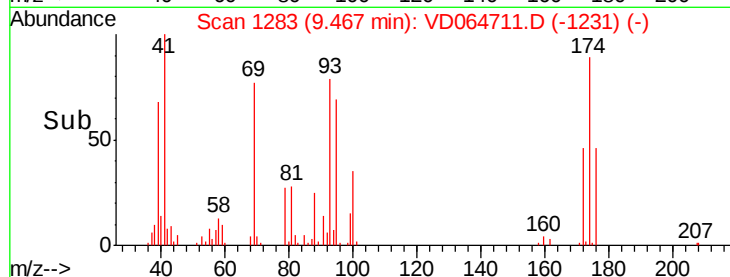
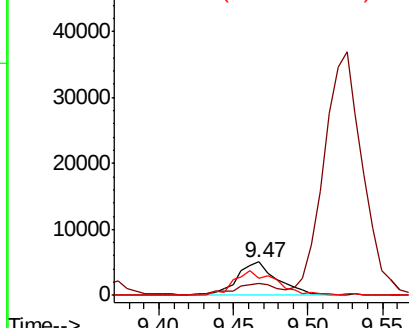
#49
 1,4-Dioxane
 Concen: 381.413 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion: 88 Resp: 9542
 Ion Ratio Lower Upper
 88 100
 43 40.4 27.7 41.5
 58 78.7 53.8 80.6

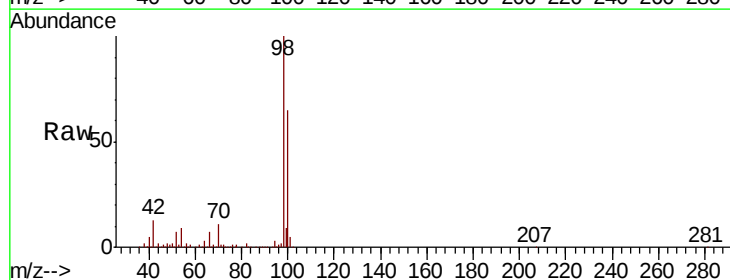


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

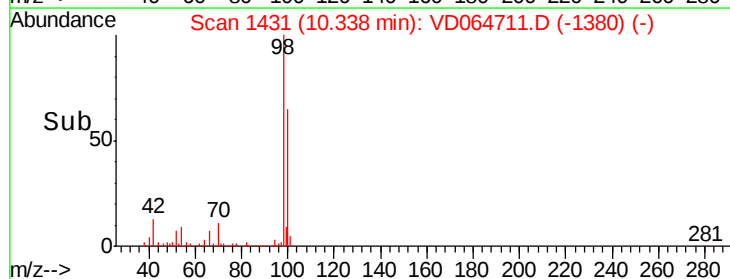
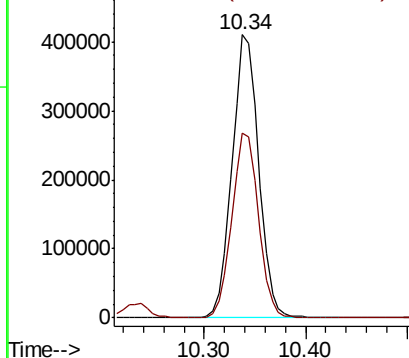


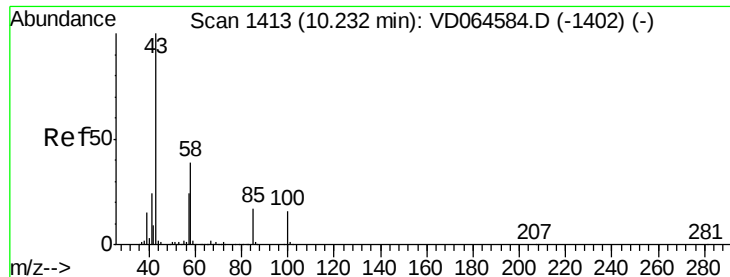
#50
 Toluene-d8
 Concen: 51.271 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 98 Resp: 747289
 Ion Ratio Lower Upper
 98 100
 100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.331 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleID :

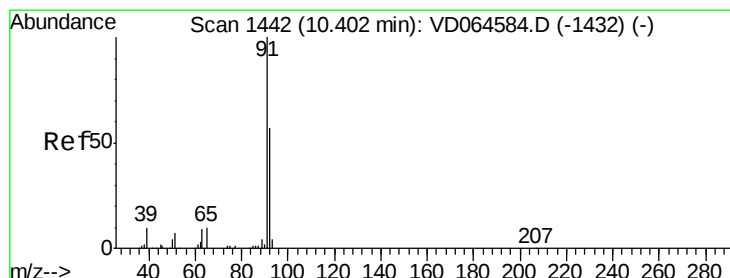
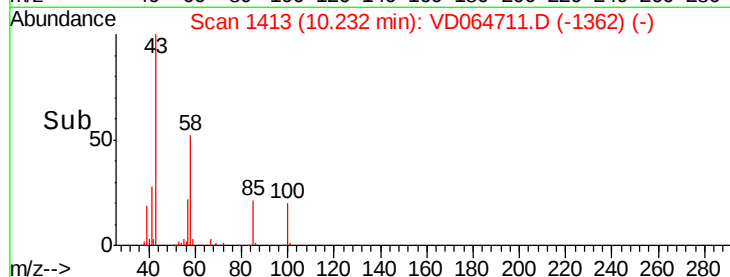
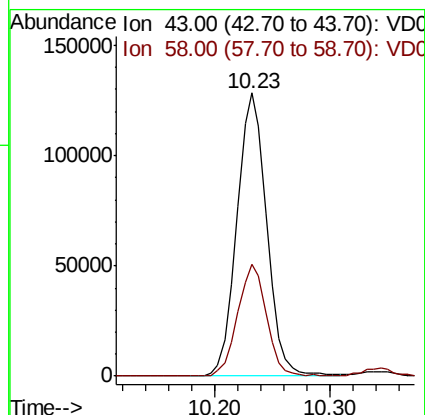
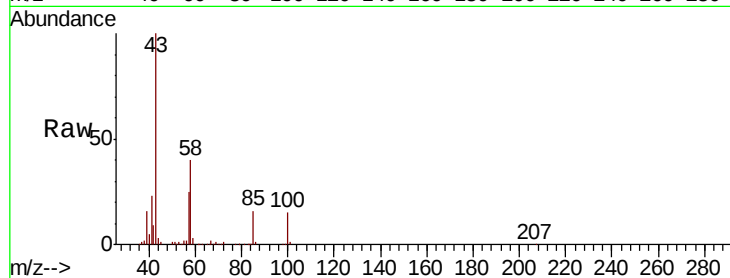
VD0102SBS01

Tot Ion: 43 Resp: 229210

Ion Ratio Lower Upper

43 100

58 38.2 30.2 45.2



#52

Toluene

Concen: 20.696 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064711.D

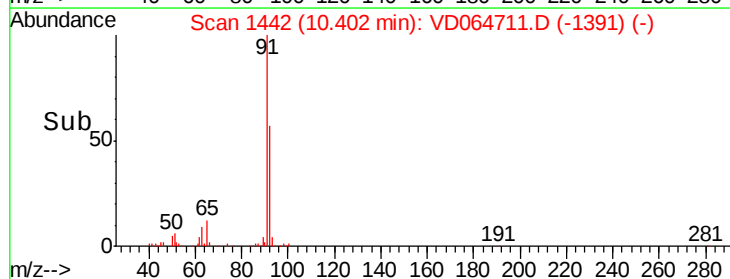
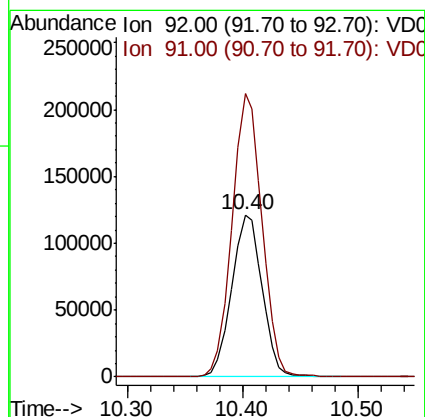
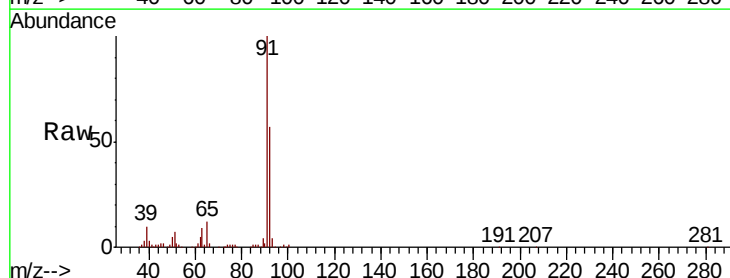
Acq: 02 Jan 2020 12:10

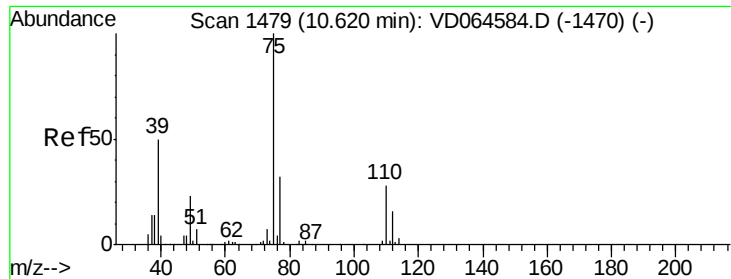
Tgt Ion: 92 Resp: 221308

Ion Ratio Lower Upper

92 100

91 172.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.932 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

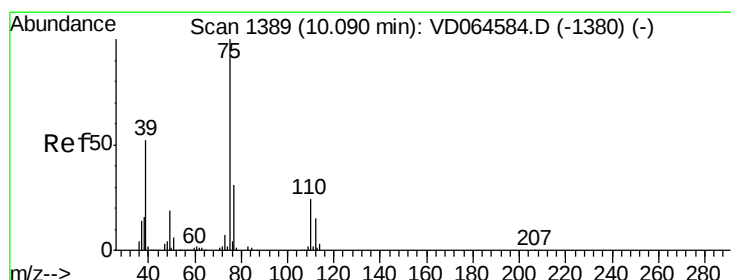
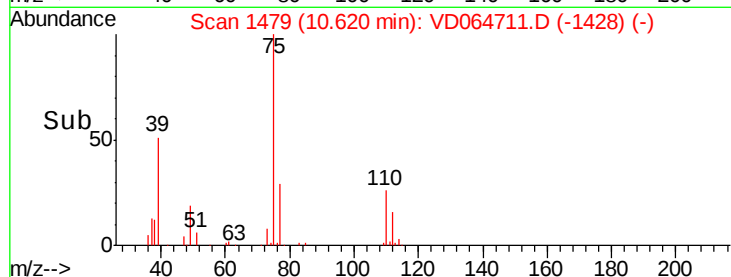
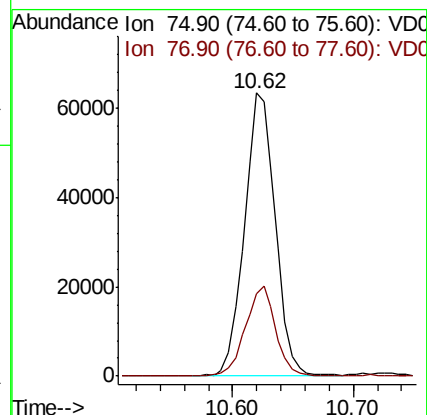
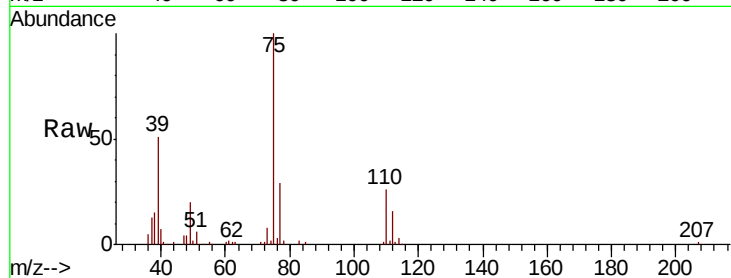
VD0102SBSD01

Tot Ion: 75 Resp: 112668

Ion Ratio Lower Upper

75 100

77 29.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.902 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

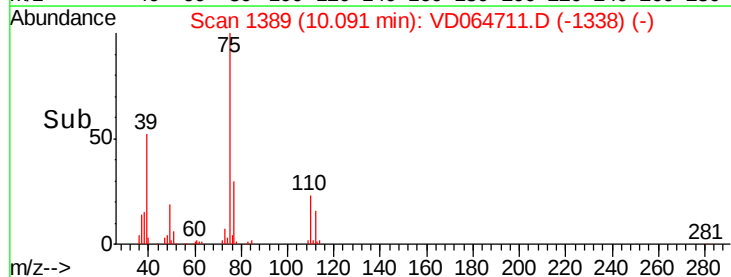
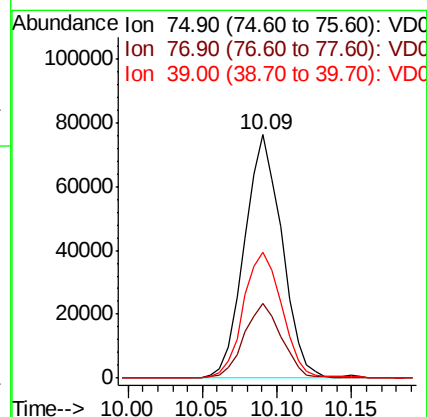
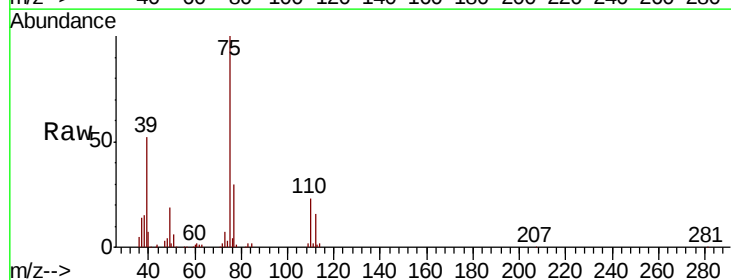
Tgt Ion: 75 Resp: 132663

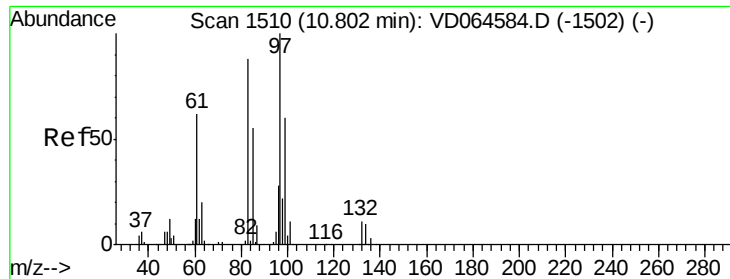
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 51.8 41.4 62.2

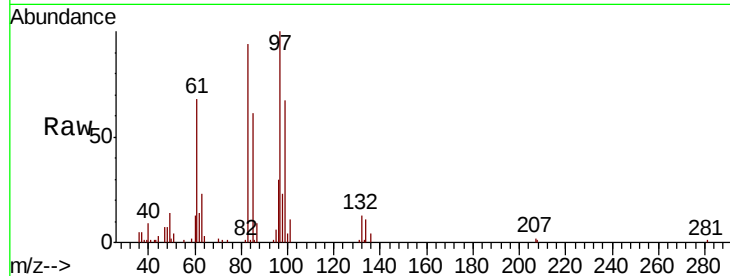




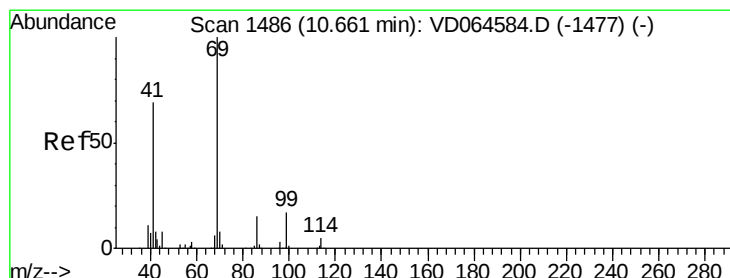
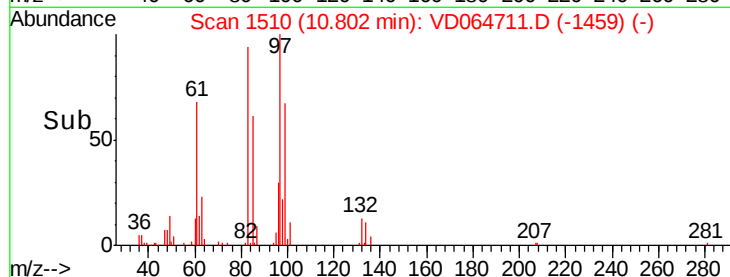
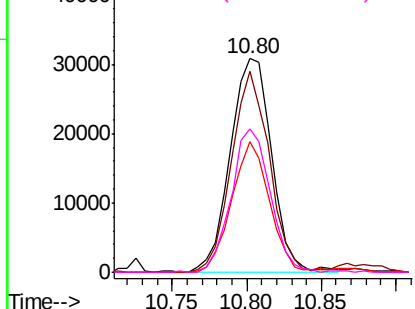
#55
 1,1,2-Trichloroethane
 Concen: 20.474 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion: 97 Resp: 59864
 Ion Ratio Lower Upper
 97 100
 83 94.2 70.2 105.4
 85 61.2 44.0 66.0
 99 66.9 47.8 71.6

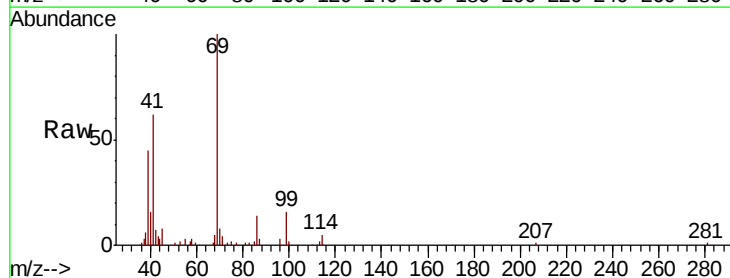


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

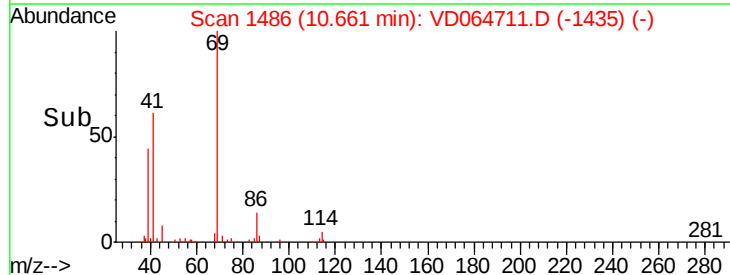
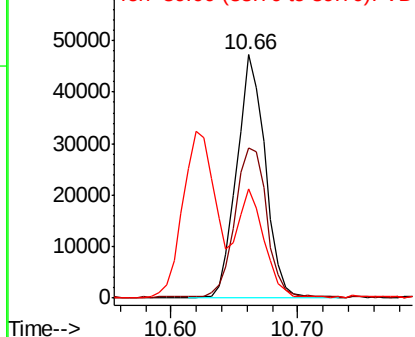


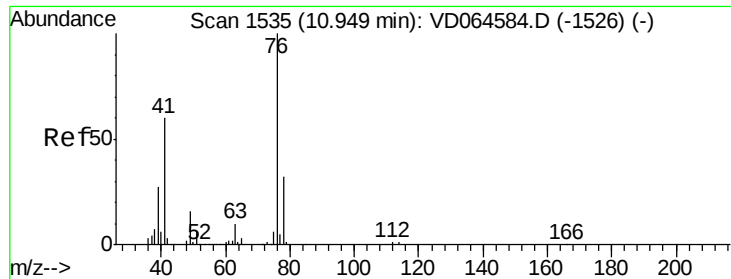
#56
 Ethyl methacrylate
 Concen: 20.224 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 69 Resp: 73852
 Ion Ratio Lower Upper
 69 100
 41 70.3 55.3 82.9
 39 42.3 33.8 50.8



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

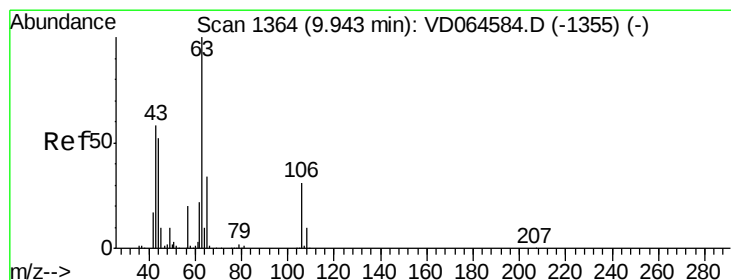
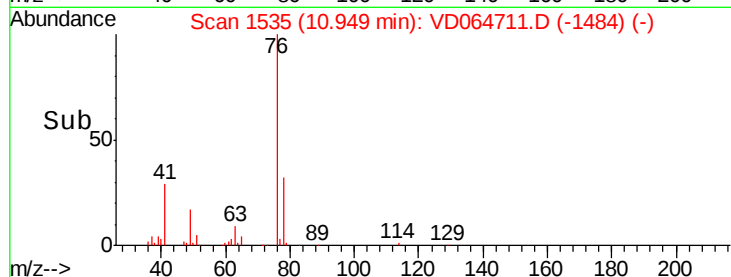
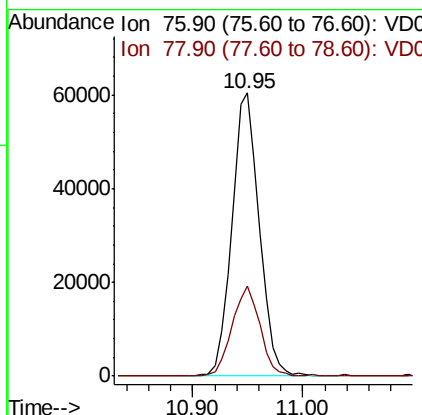
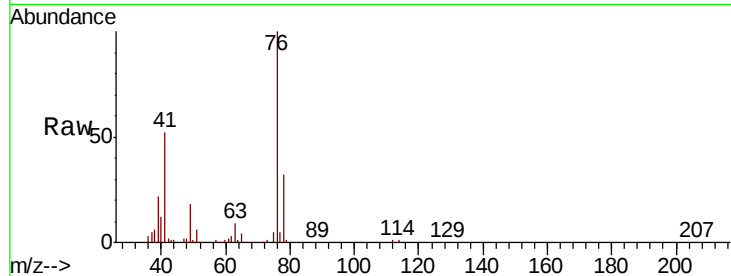




#57
 1,3-Dichloropropane
 Concen: 20.859 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

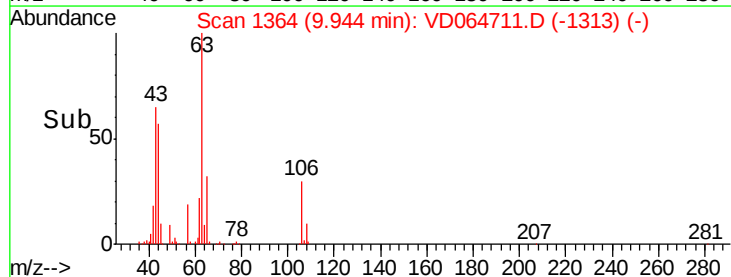
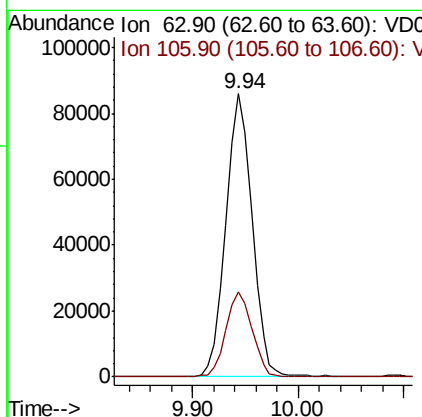
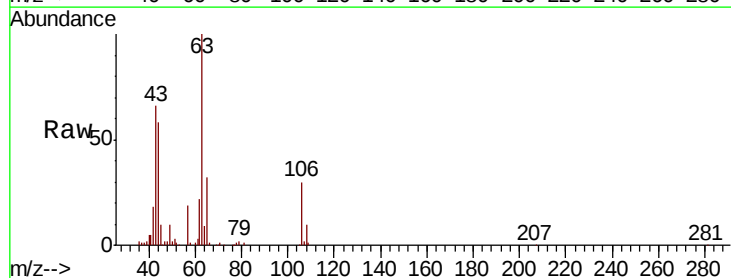
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

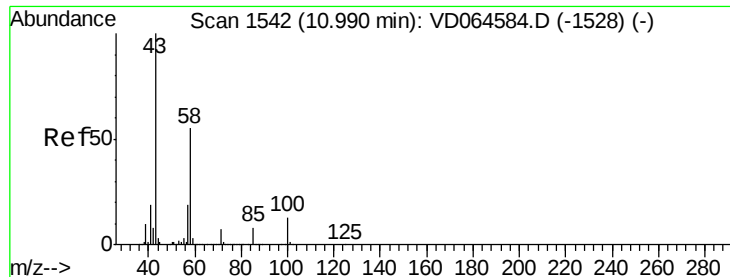
Tot Ion: 76 Resp: 105013
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.631 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 63 Resp: 148351
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

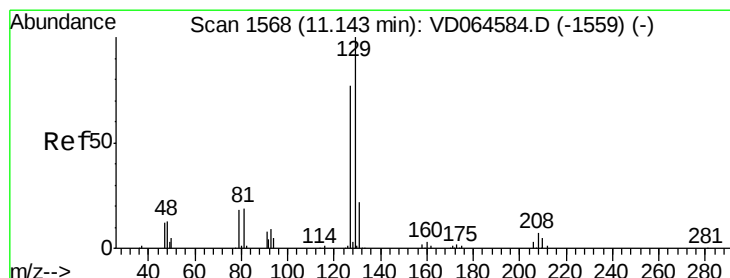
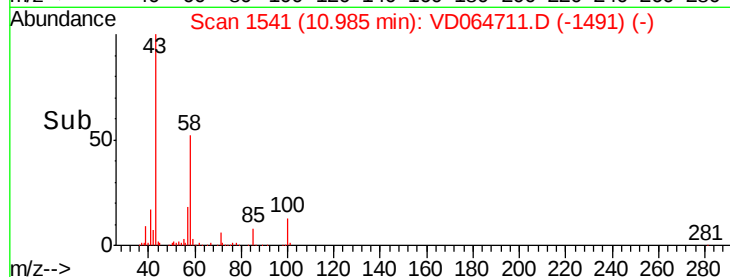
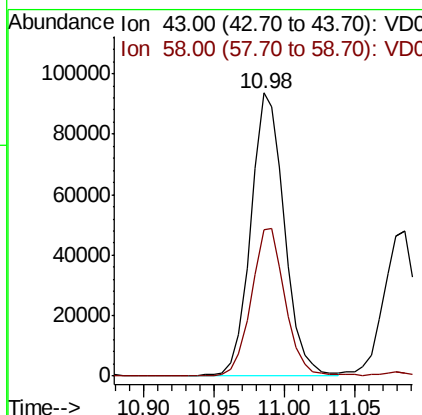
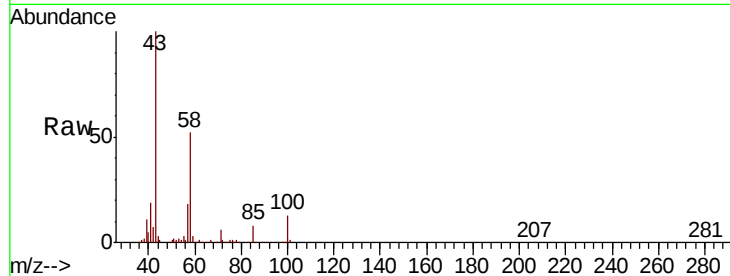




#59
2-Hexanone
Concen: 99.851 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

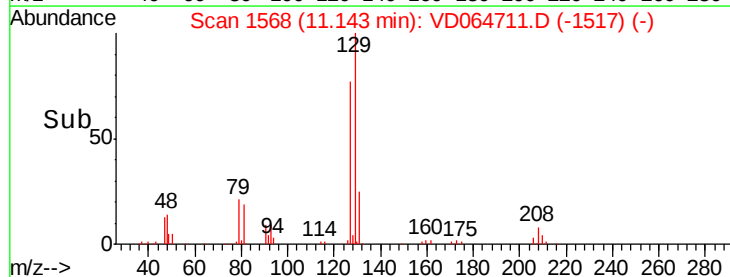
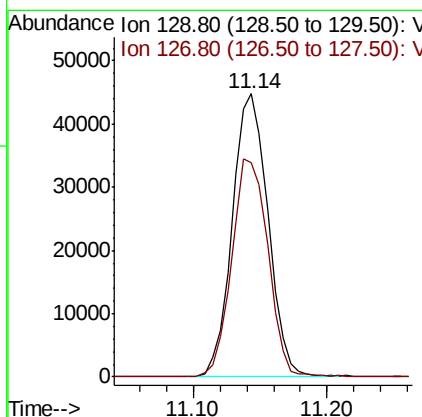
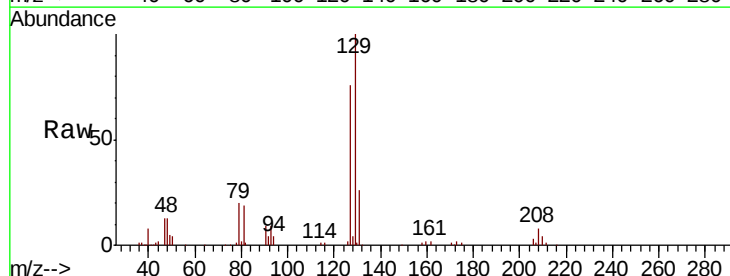
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

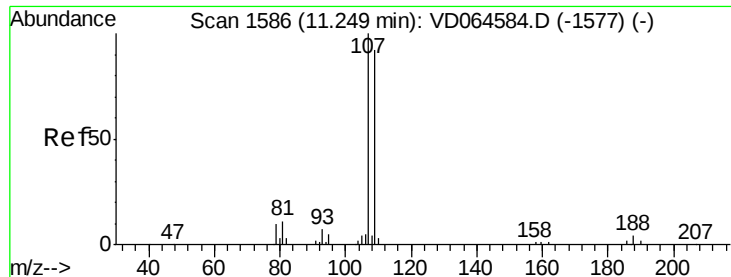
Tot Ion: 43 Resp: 156384
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 20.573 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 129 Resp: 83186
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

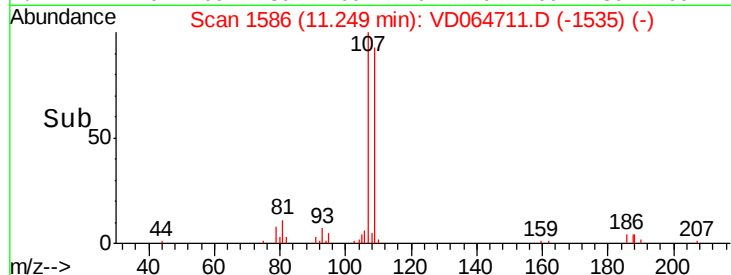
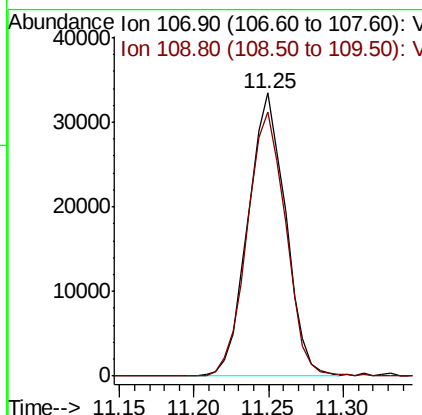
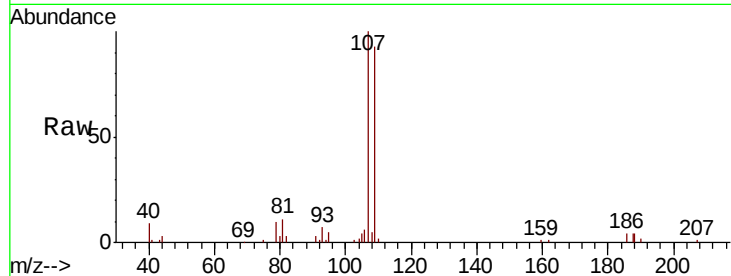




#61
 1,2-Dibromoethane
 Concen: 20.171 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

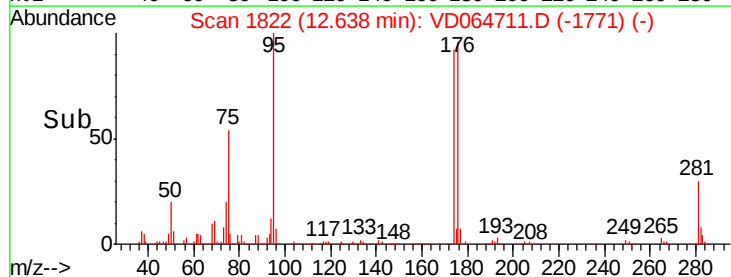
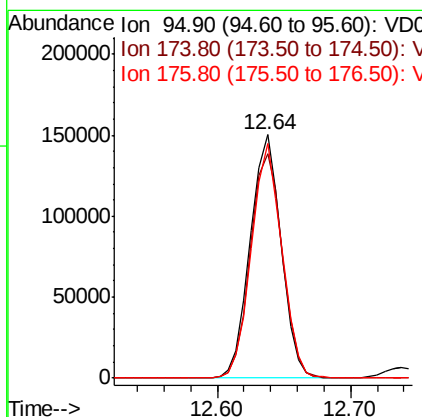
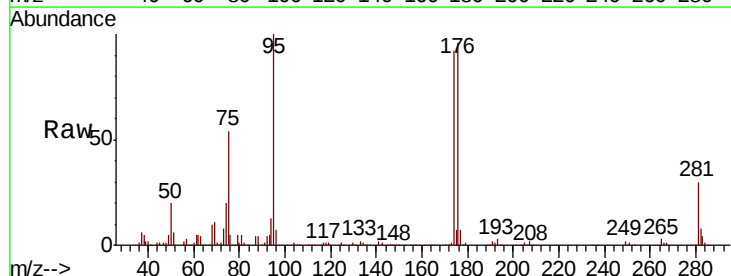
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

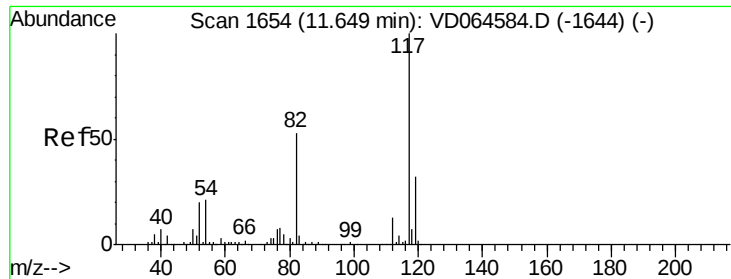
Tot Ion:107 Resp: 58173
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.940 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion: 95 Resp: 239383
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 193.2
 176 94.8 0.0 184.2

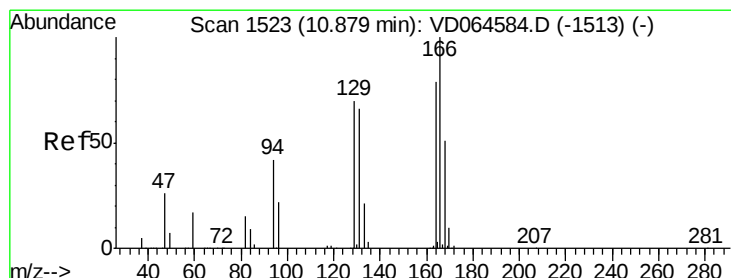
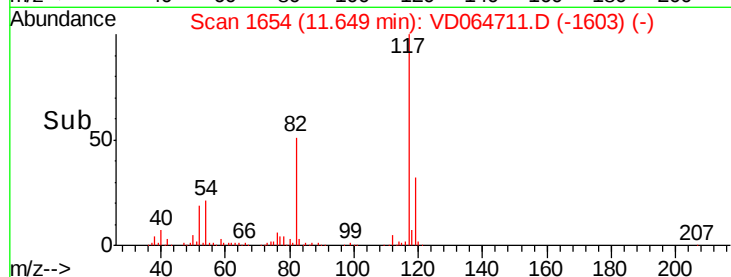
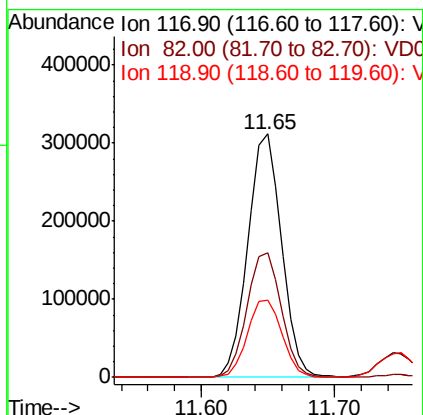
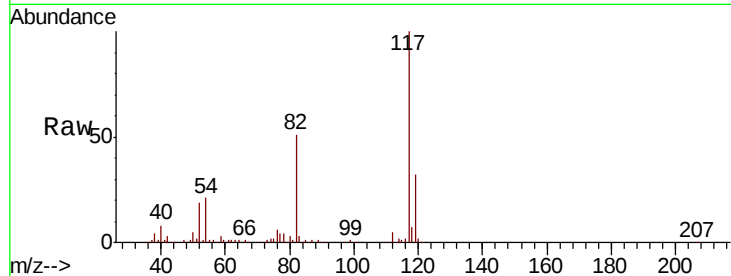




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

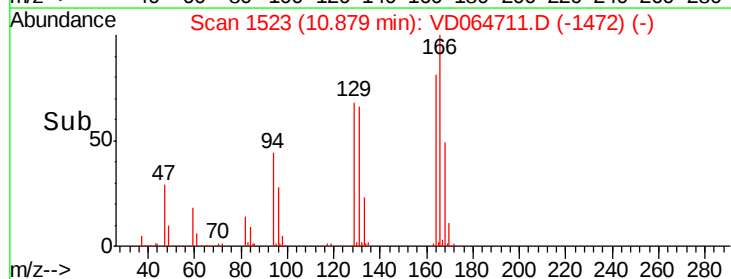
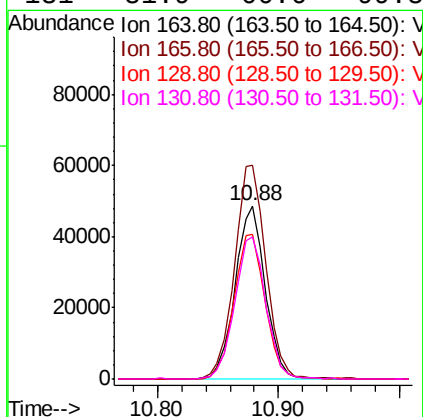
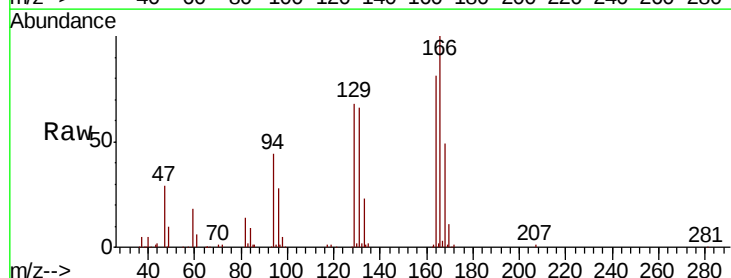
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

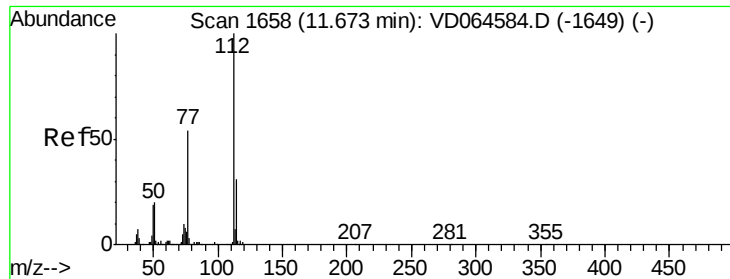
Tot Ion:117 Resp: 543887
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.4
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 20.266 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:164 Resp: 84564
Ion Ratio Lower Upper
164 100
166 123.4 101.3 151.9
129 83.3 70.5 105.7
131 81.9 66.6 99.8

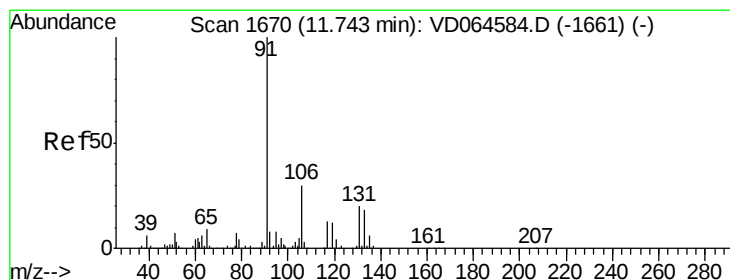
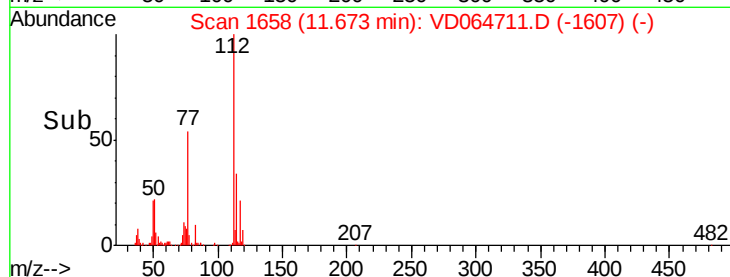
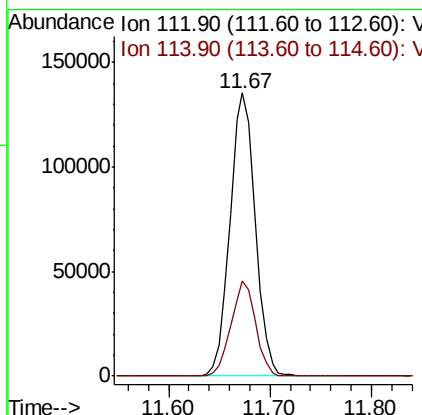
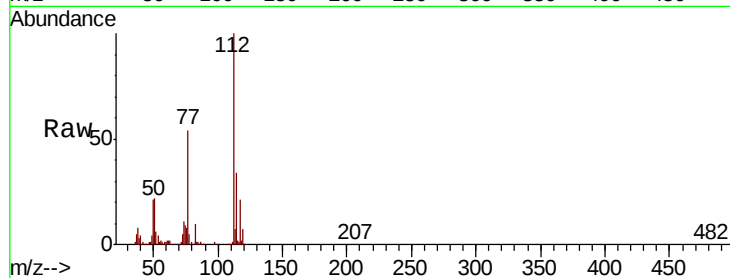




#65
Chlorobenzene
Concen: 20.711 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

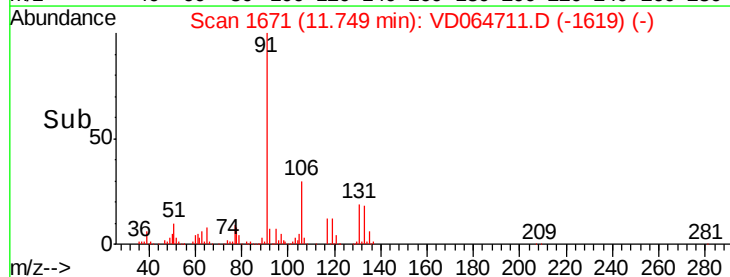
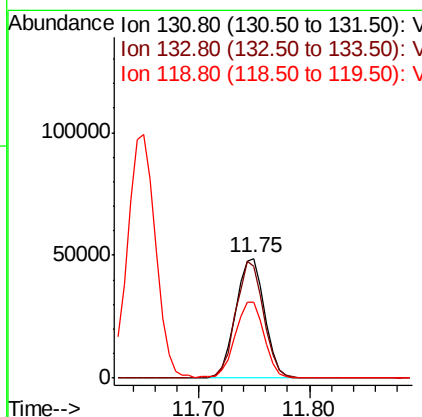
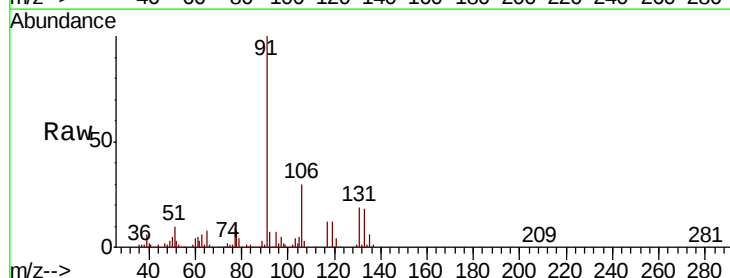
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

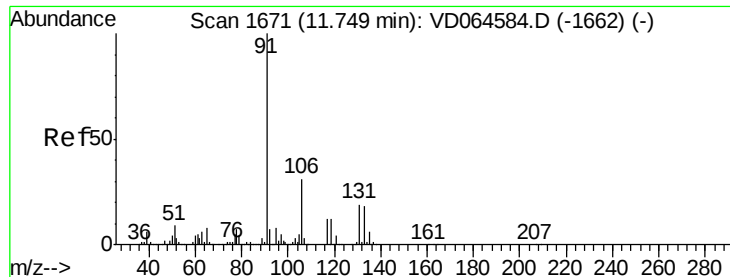
Tot Ion:112 Resp: 233788
Ion Ratio Lower Upper
112 100
114 33.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.084 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:131 Resp: 89724
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.8
119 63.5 32.1 96.3





#67

Ethyl Benzene

Concen: 20.580 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

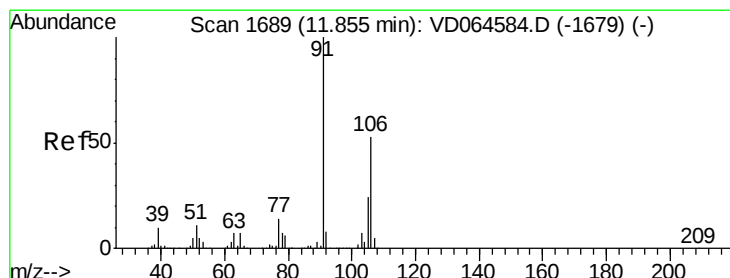
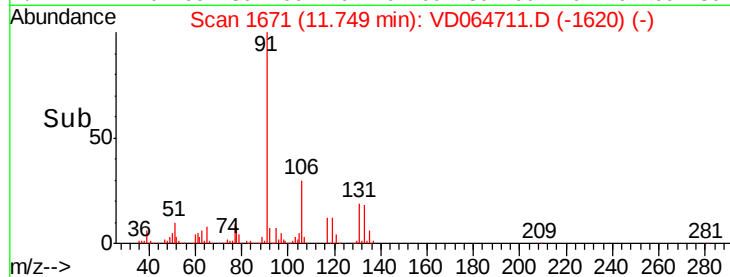
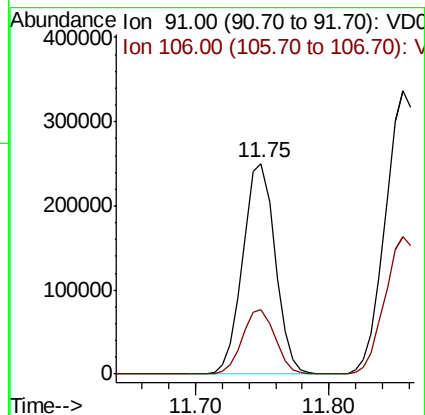
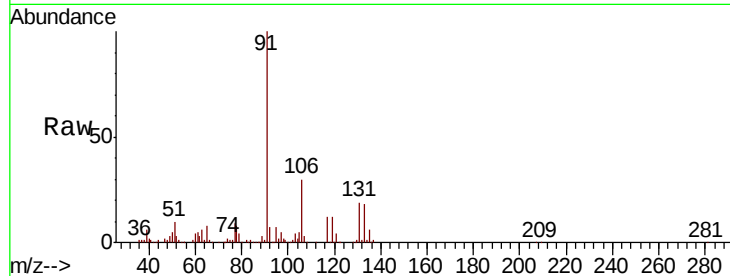
VD0102SBSD01

Tot Ion: 91 Resp: 421667

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



#68

m/p-Xylenes

Concen: 40.329 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064711.D

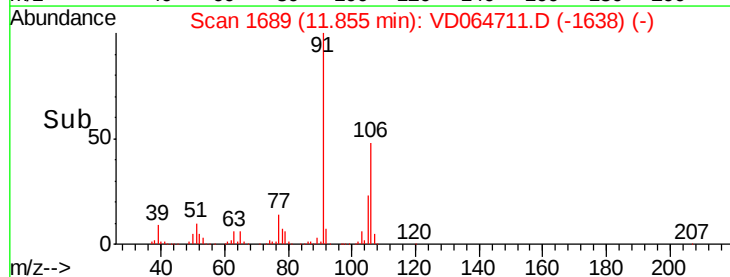
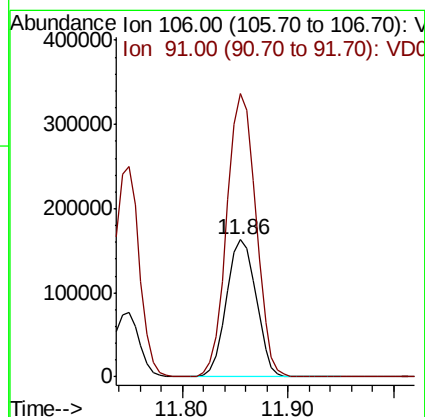
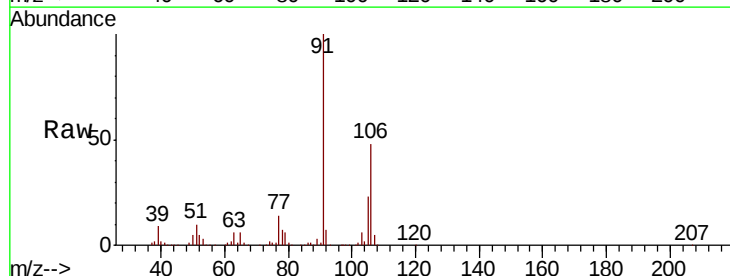
Acq: 02 Jan 2020 12:10

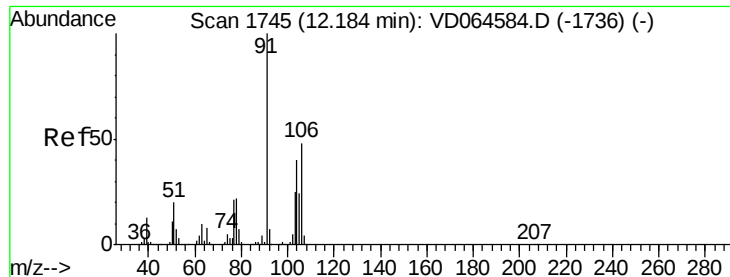
Tgt Ion: 106 Resp: 318932

Ion Ratio Lower Upper

106 100

91 201.9 156.3 234.5

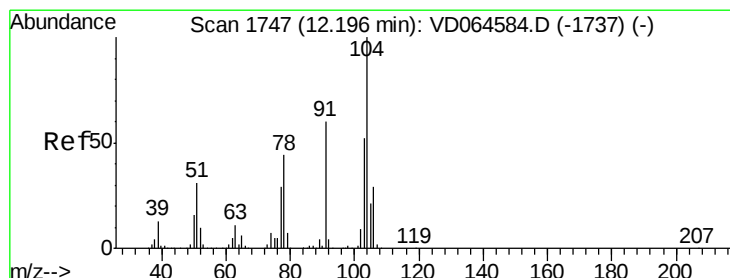
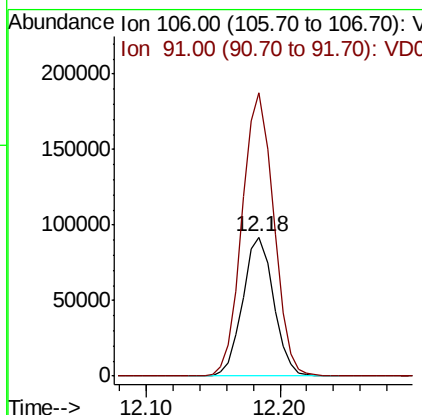
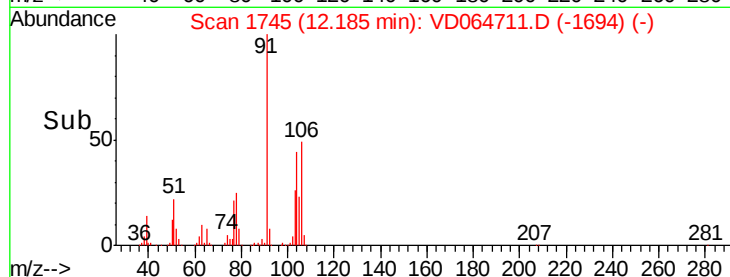
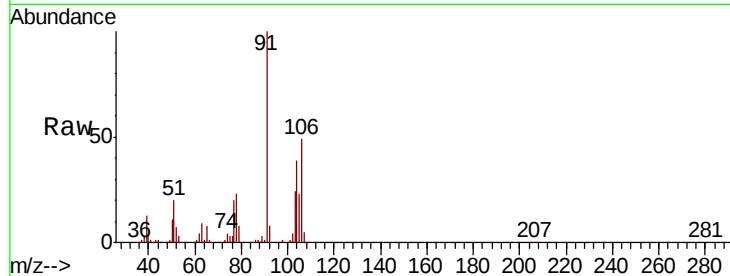




#69
o-Xylene
Concen: 20.677 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

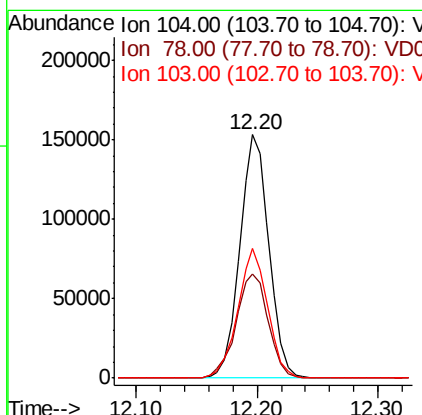
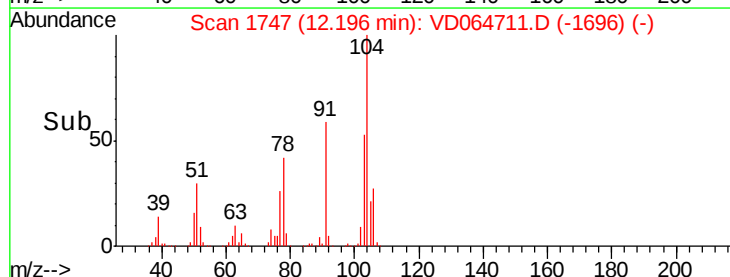
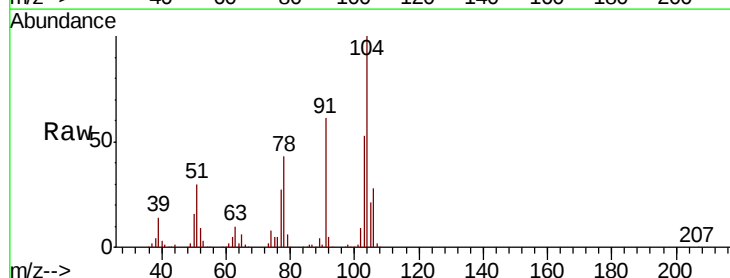
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

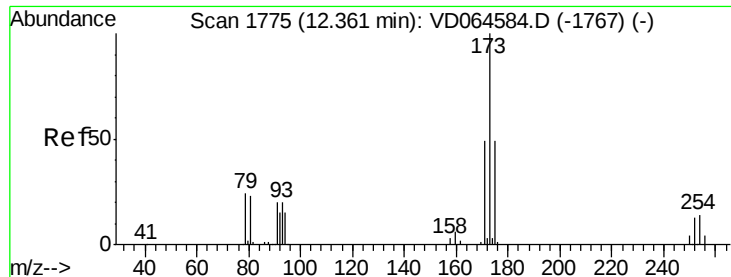
Tot Ion:106 Resp: 147696
Ion Ratio Lower Upper
106 100
91 208.2 104.8 314.4



#70
Styrene
Concen: 20.405 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:104 Resp: 255845
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.0 44.6 67.0

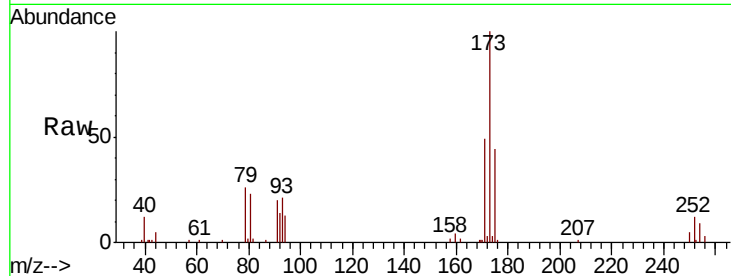




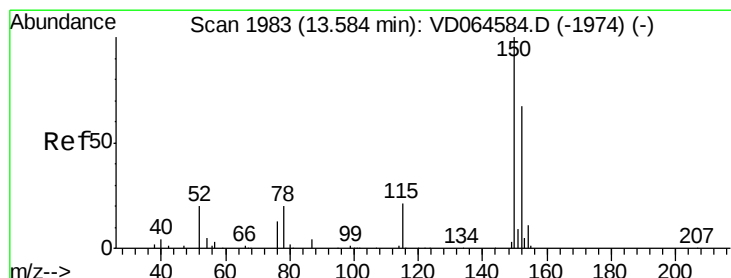
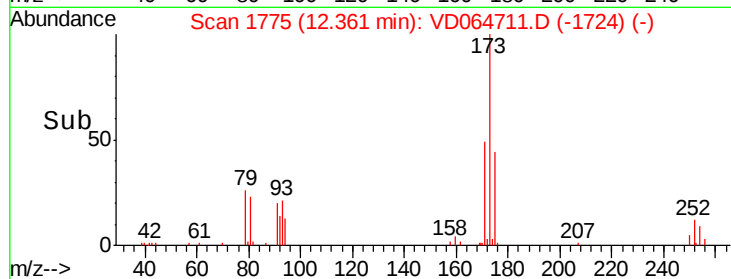
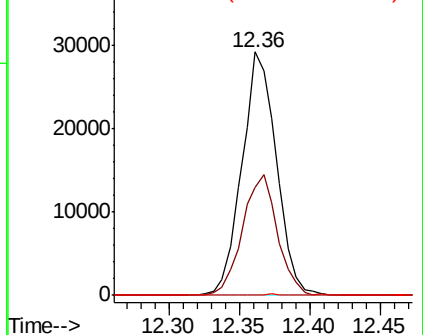
#71
Bromoform
Concen: 20.563 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion:173 Resp: 49902
Ion Ratio Lower Upper
173 100
175 50.2 24.6 73.8
254 0.2 0.1 0.1#

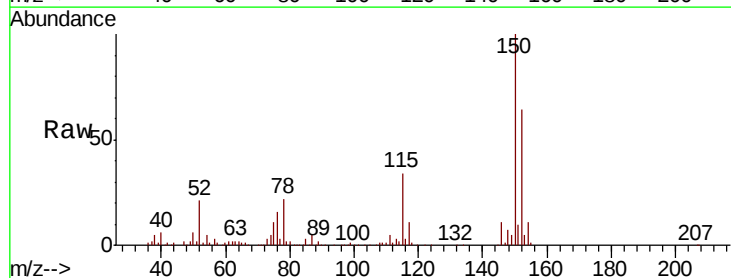


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

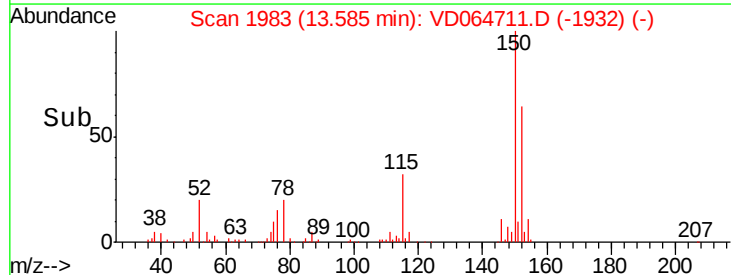
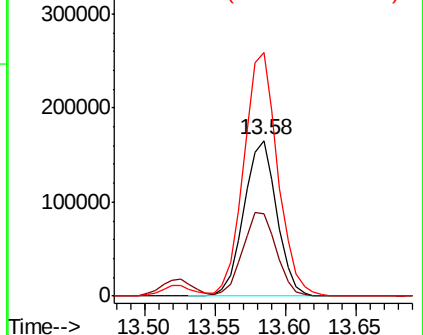


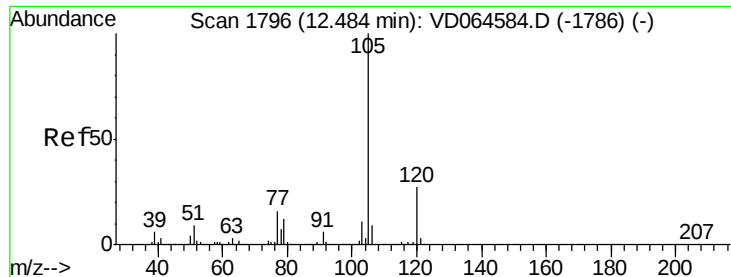
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:152 Resp: 269160
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 162.5 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: 20.859 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

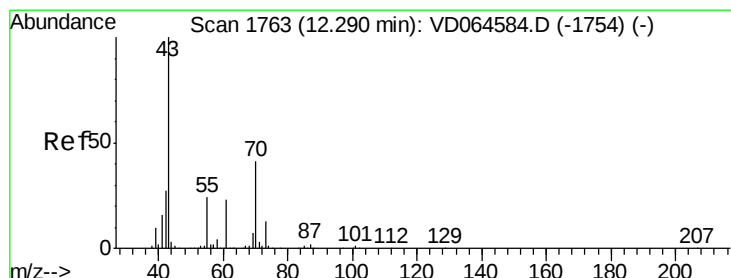
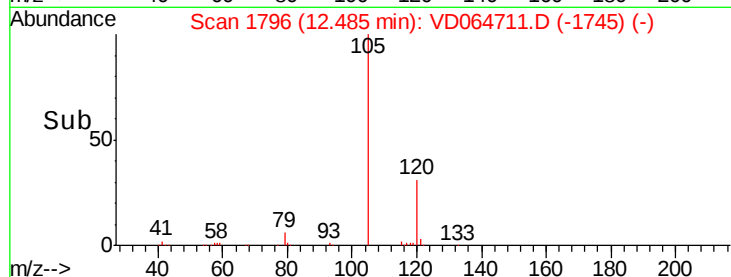
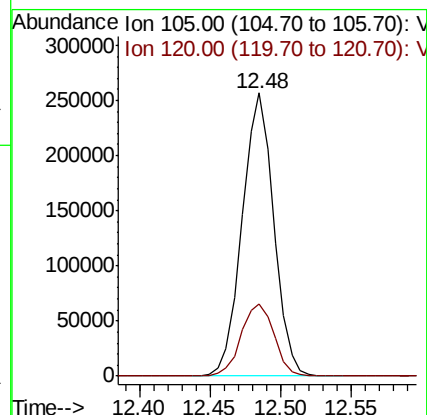
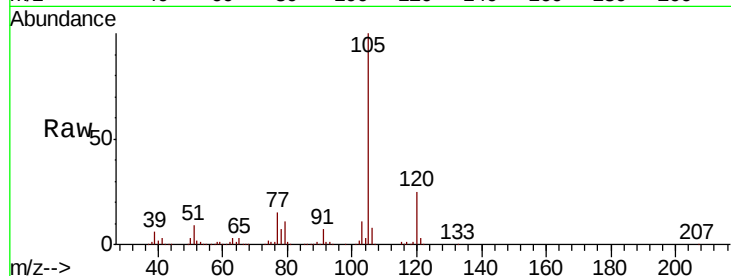
VD0102SBSD01

Tot Ion:105 Resp: 401223

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 20.178 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Tgt Ion: 43 Resp: 82967

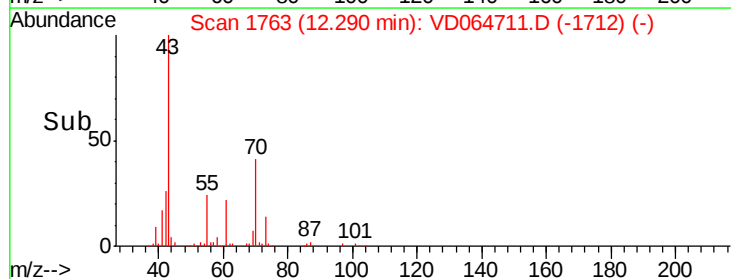
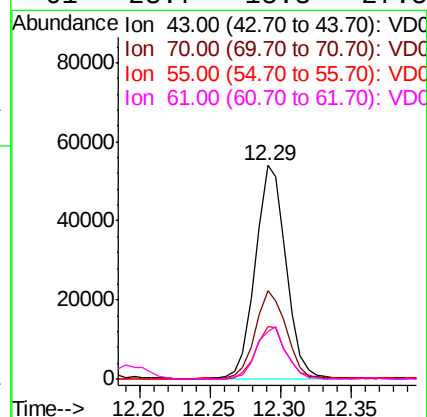
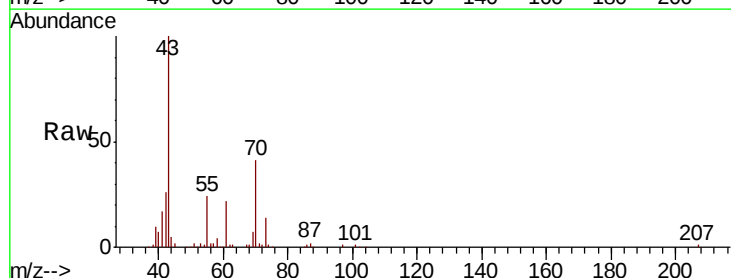
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 24.0 19.4 29.0

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.700 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

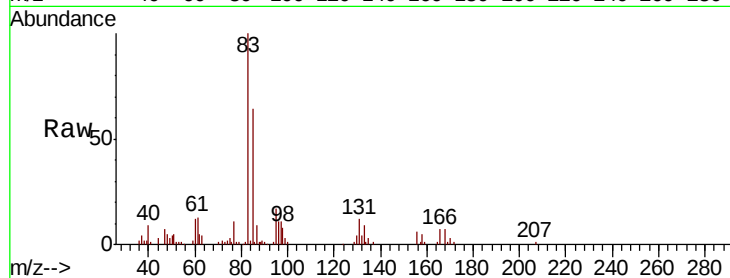
Tot Ion: 83 Resp: 62548

Ion Ratio Lower Upper

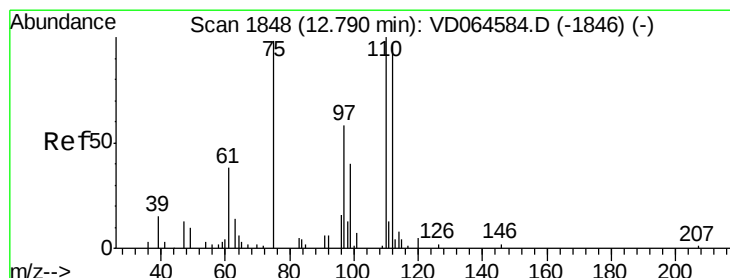
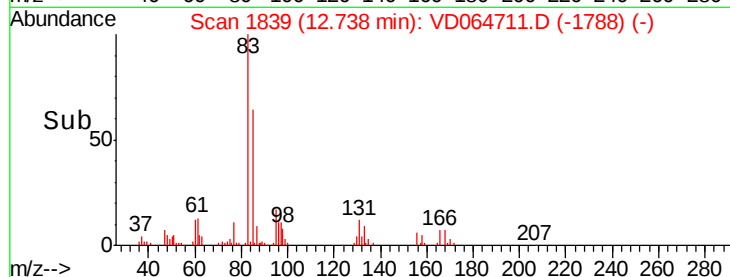
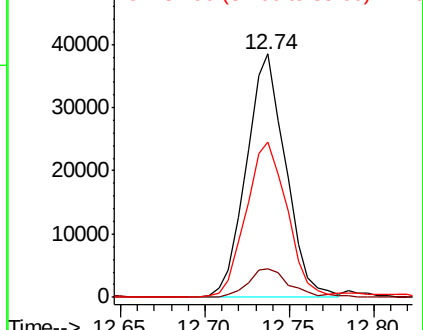
83 100

131 12.7 5.8 17.4

85 66.7 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: 38.964 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064711.D

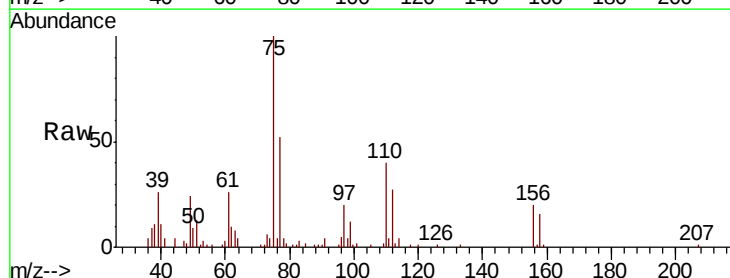
Acq: 02 Jan 2020 12:10

Tgt Ion: 75 Resp: 82817

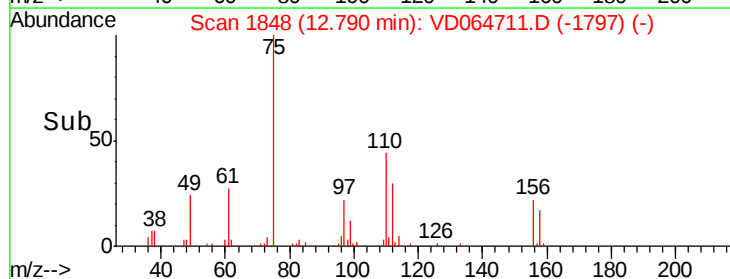
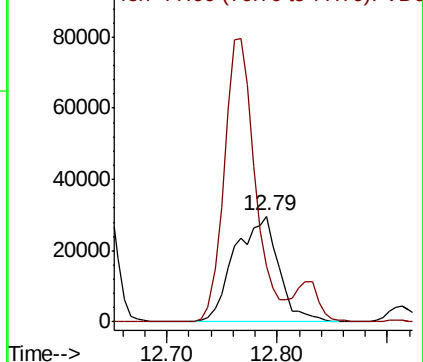
Ion Ratio Lower Upper

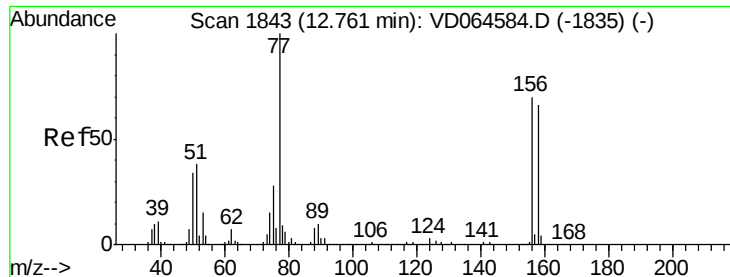
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

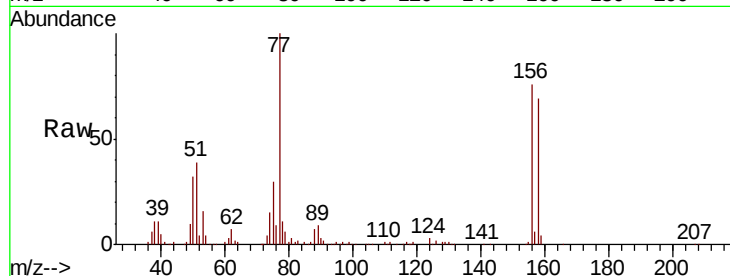
Tot Ion:156 Resp: 101621

Ion Ratio Lower Upper

156 100

77 154.3 80.9 242.7

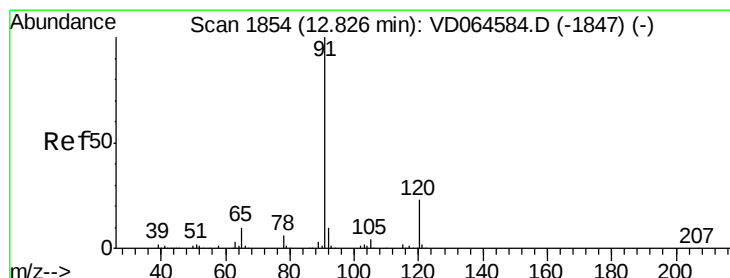
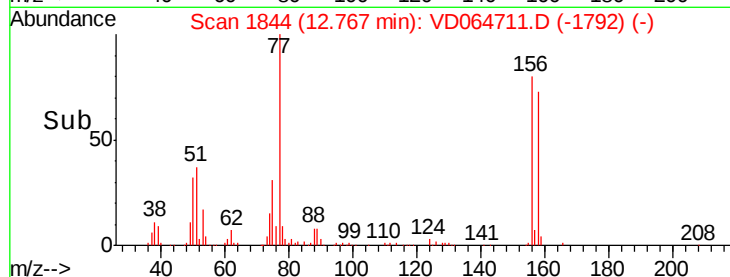
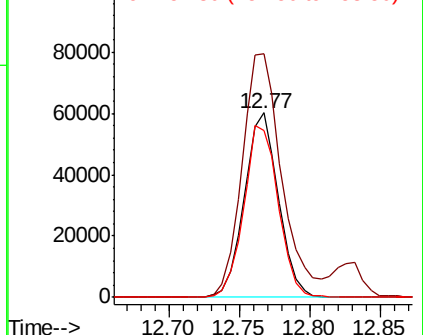
158 94.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.122 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064711.D

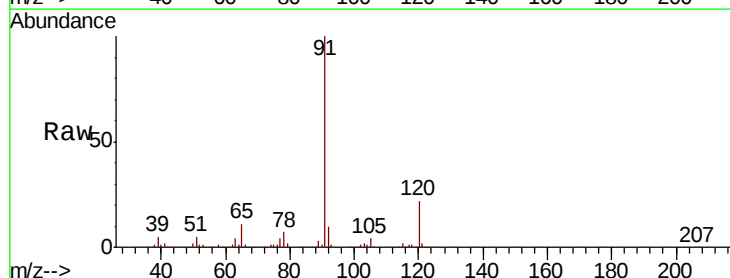
Acq: 02 Jan 2020 12:10

Tgt Ion: 91 Resp: 473977

Ion Ratio Lower Upper

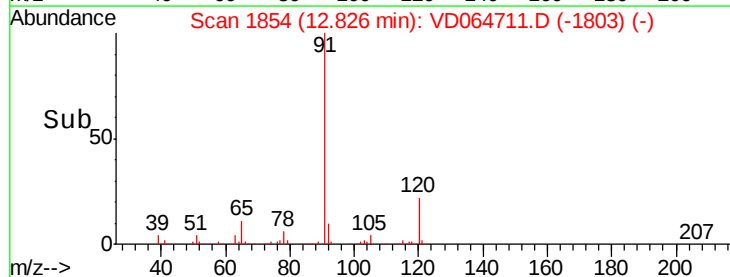
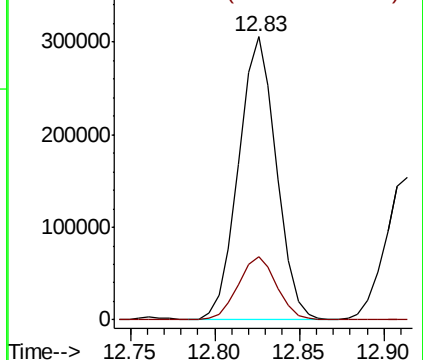
91 100

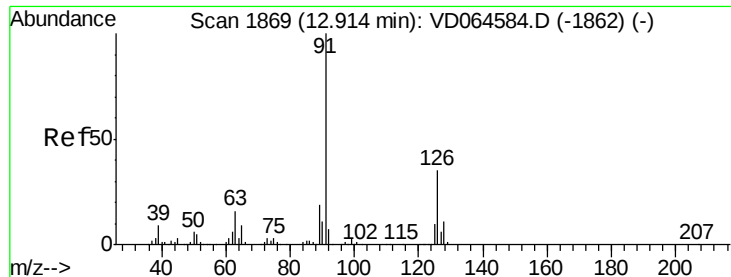
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.667 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

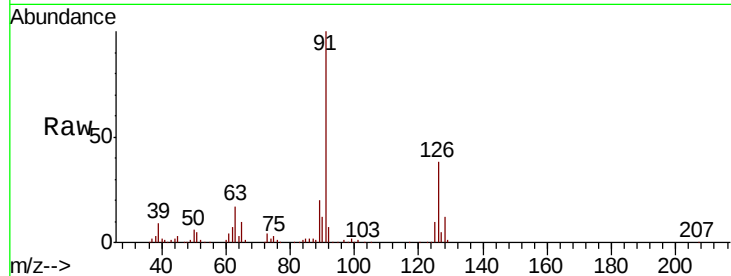
VD0102SBSD01

Tot Ion: 91 Resp: 254760

Ion Ratio Lower Upper

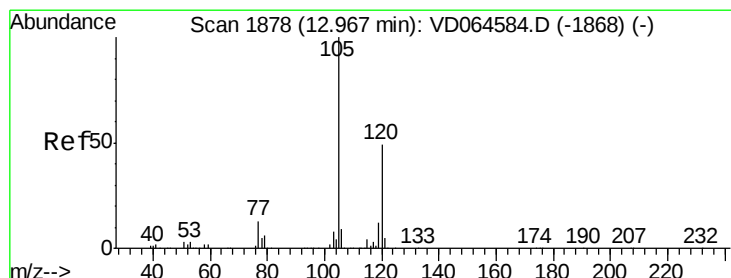
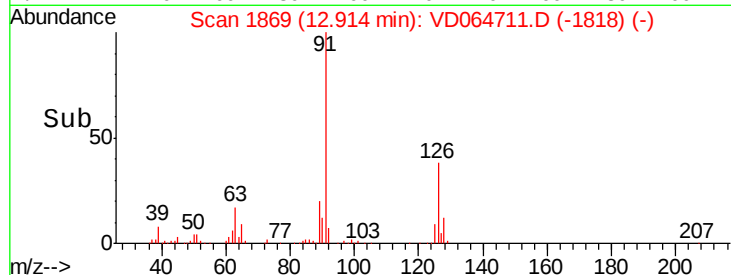
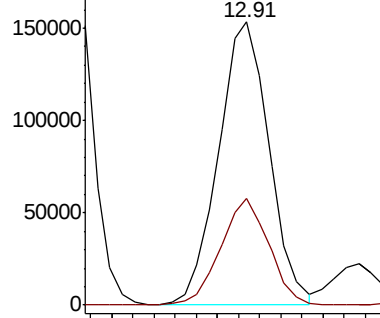
91 100

126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.721 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064711.D

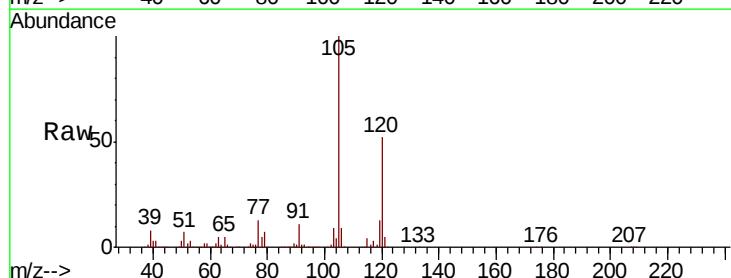
Acq: 02 Jan 2020 12:10

Tgt Ion:105 Resp: 327396

Ion Ratio Lower Upper

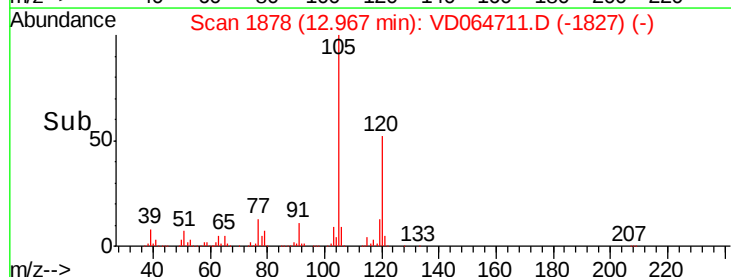
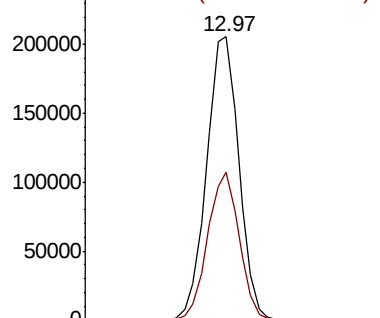
105 100

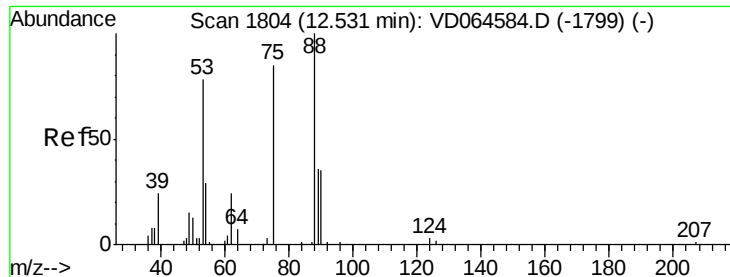
120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.645 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

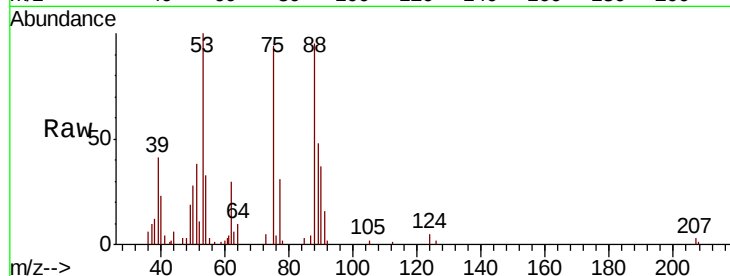
Tot Ion: 75 Resp: 20980

Ion Ratio Lower Upper

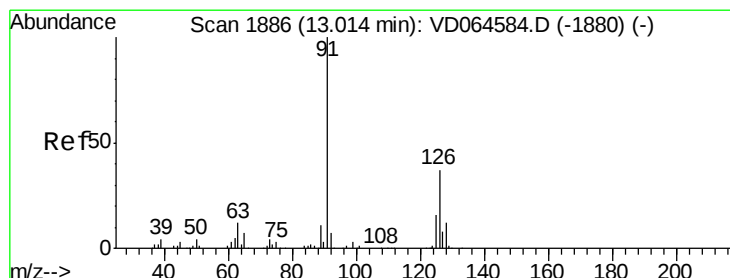
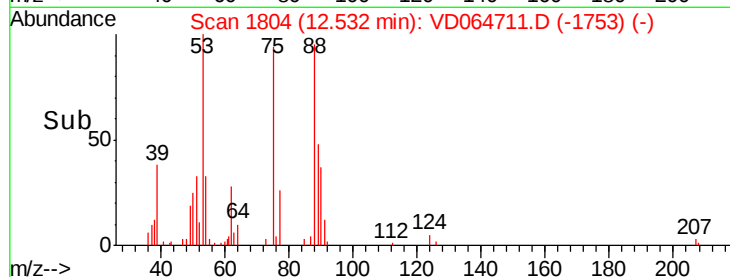
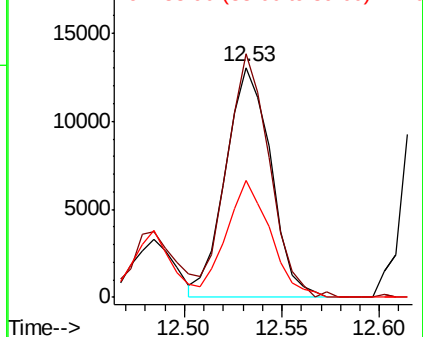
75 100

53 98.8 78.8 118.2

89 49.3 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.894 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064711.D

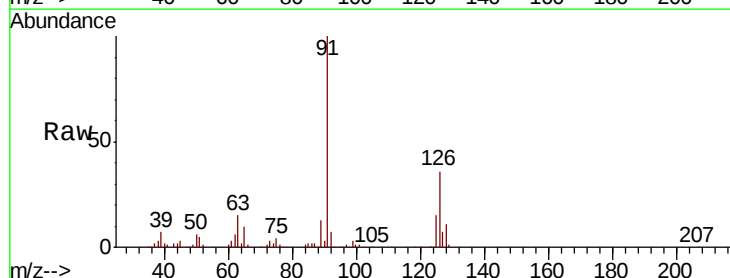
Acq: 02 Jan 2020 12:10

Tgt Ion: 91 Resp: 274091

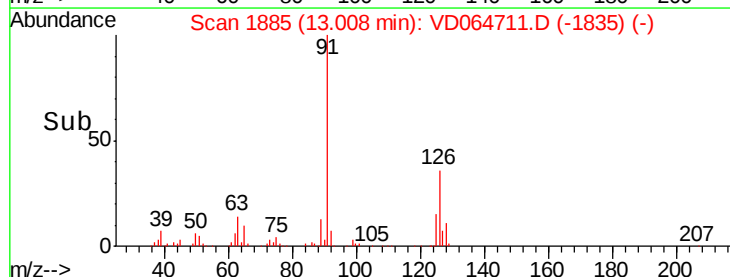
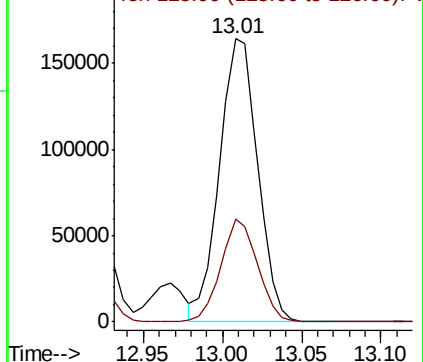
Ion Ratio Lower Upper

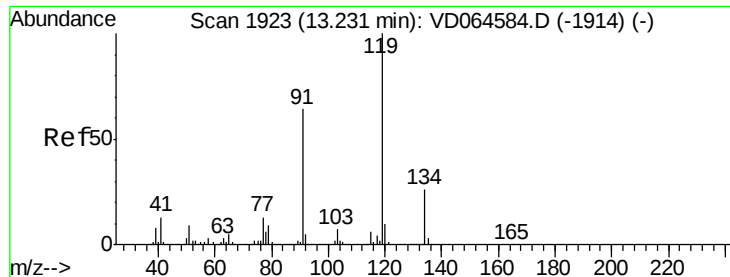
91 100

126 35.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

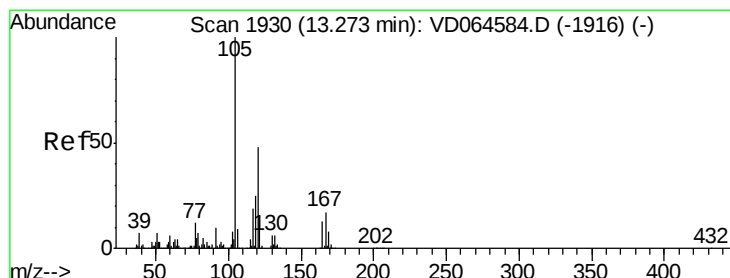
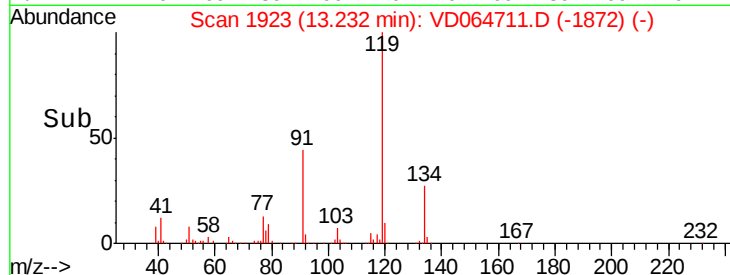
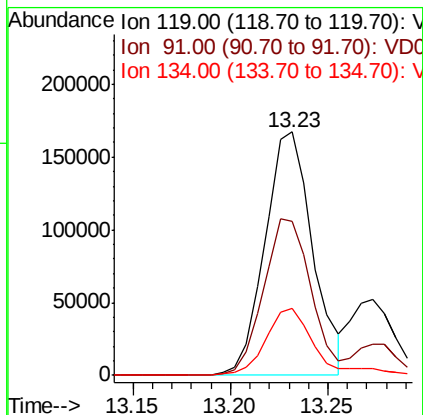
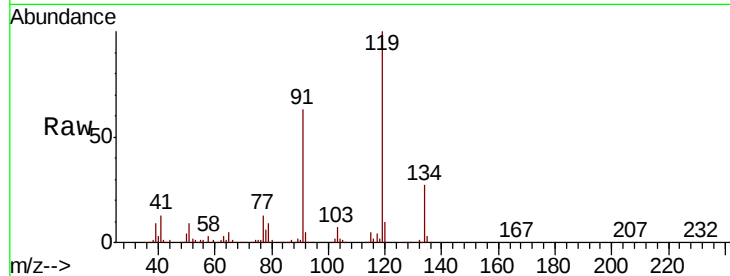




#83
tert-Butylbenzene
Concen: 20.664 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

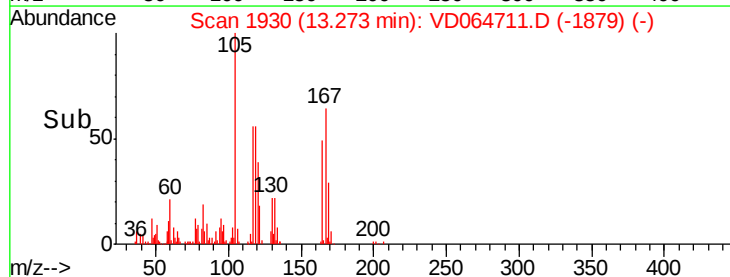
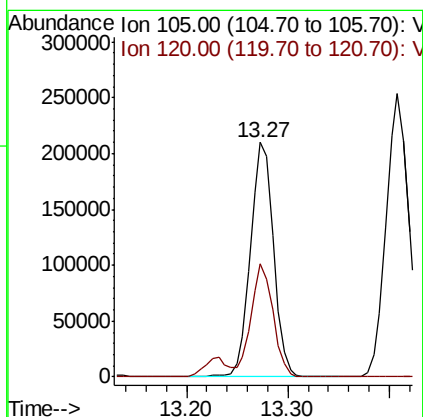
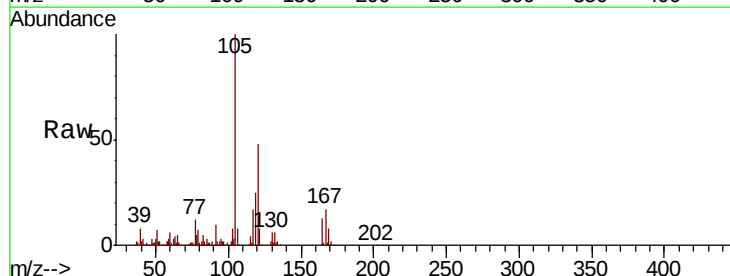
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

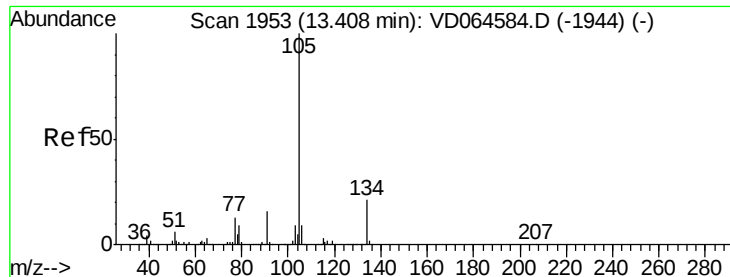
Tot Ion:119 Resp: 283487
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 28.7 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 21.095 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:105 Resp: 331963
Ion Ratio Lower Upper
105 100
120 45.4 23.8 71.2

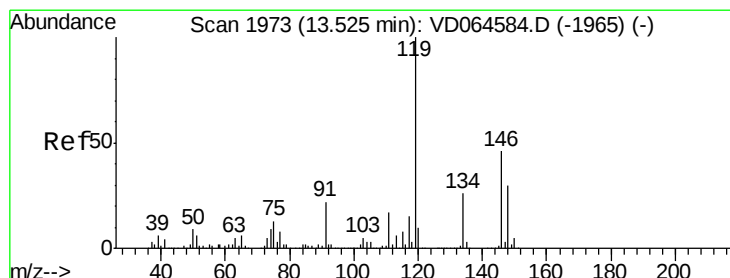
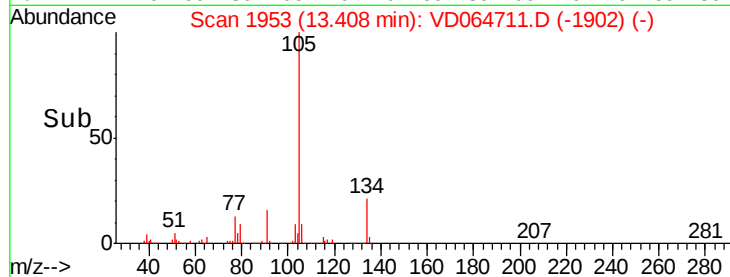
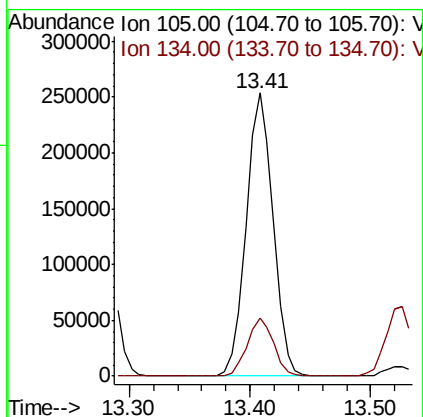
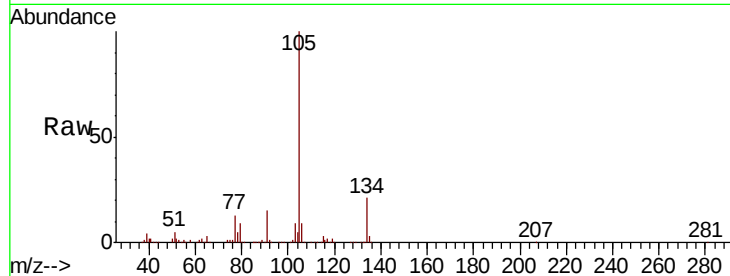




#85
 sec-Butylbenzene
 Concen: 20.891 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

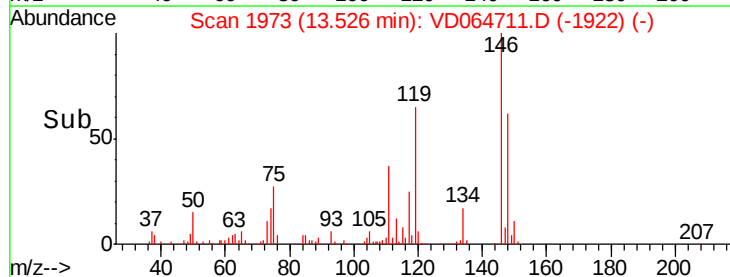
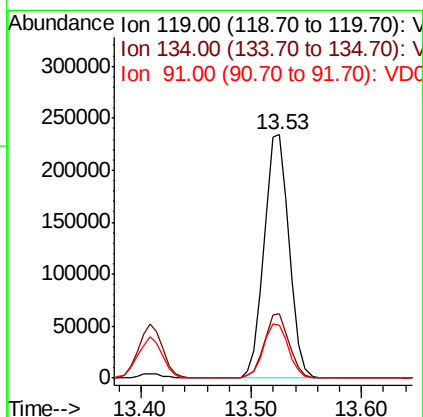
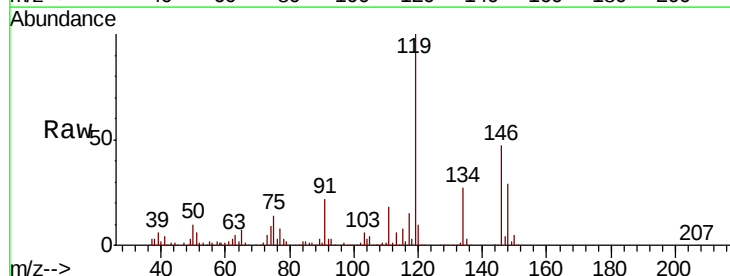
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

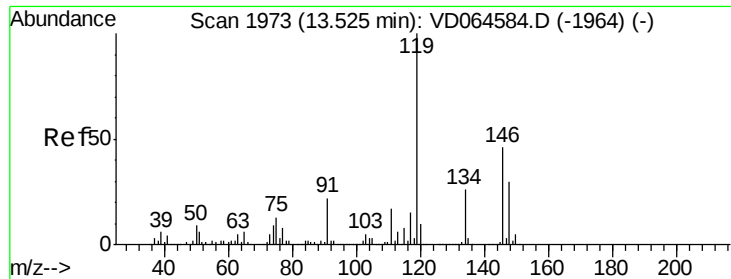
Tot Ion:105 Resp: 392904
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.712 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion:119 Resp: 372482
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 22.3 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 20.724 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

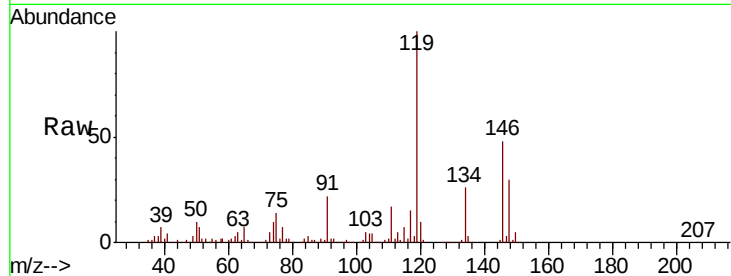
Tot Ion:146 Resp: 186719

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.4

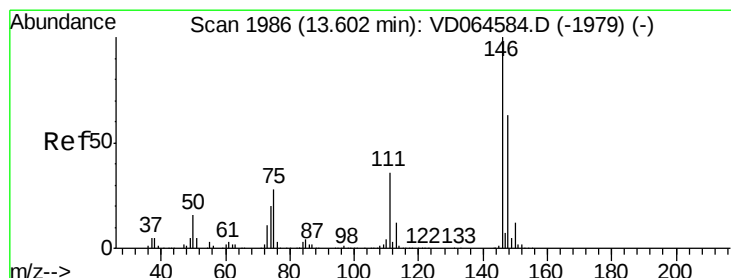
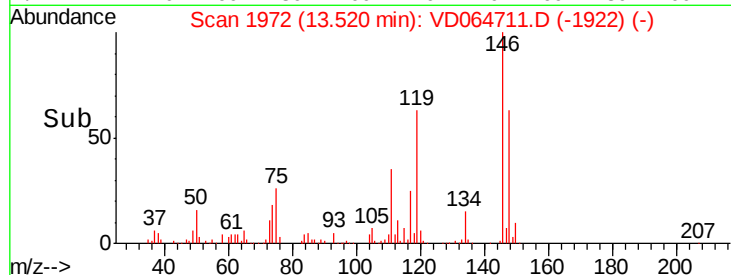
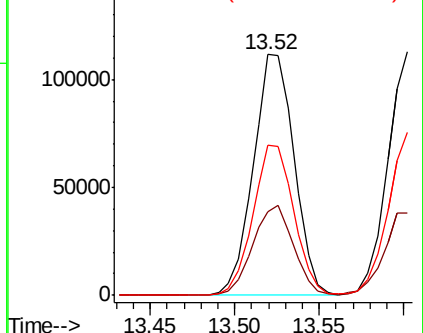
148 62.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.705 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

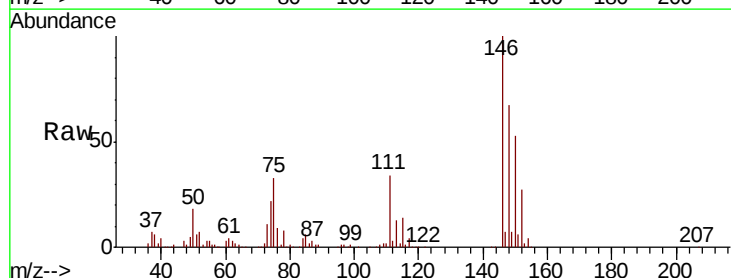
Tgt Ion:146 Resp: 183263

Ion Ratio Lower Upper

146 100

111 37.3 18.1 54.1

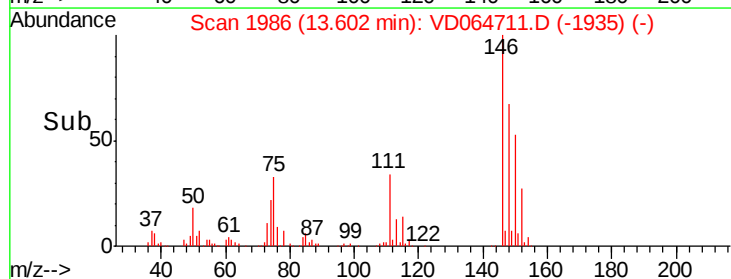
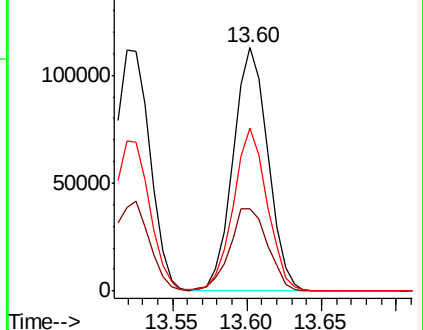
148 65.2 32.3 96.9

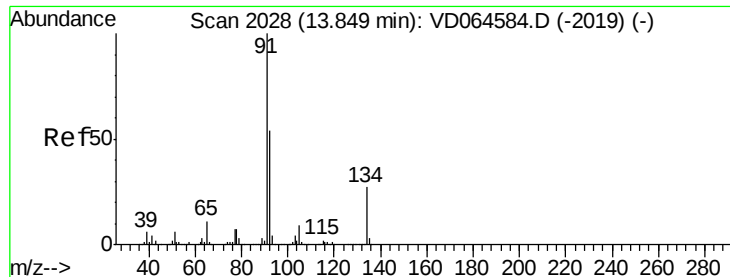


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

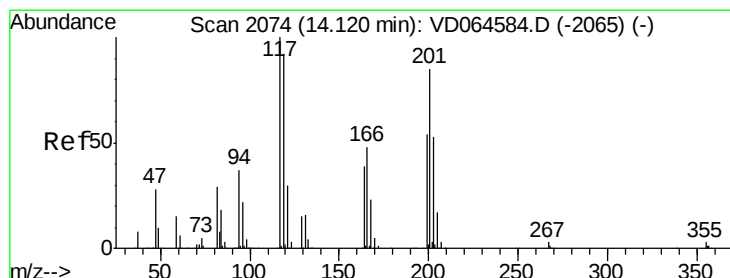
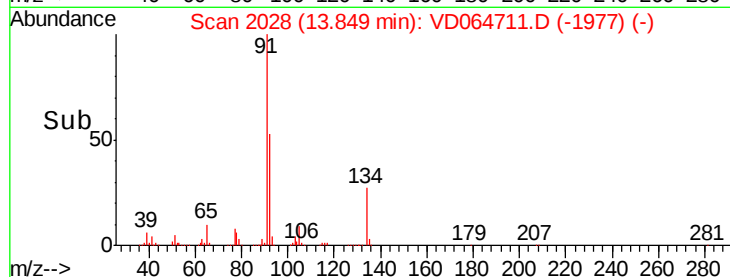
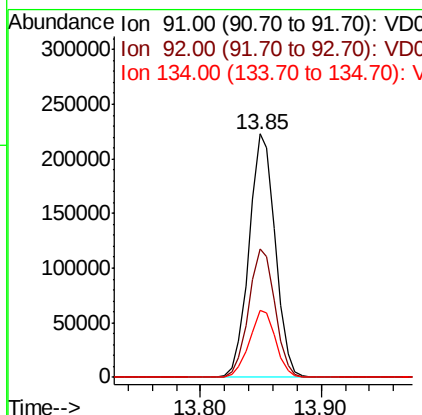
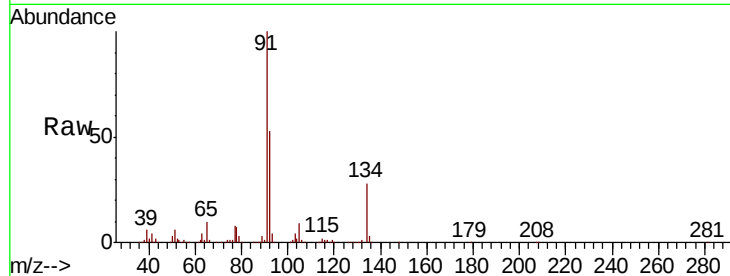




#89
n-Butylbenzene
Concen: 20.797 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

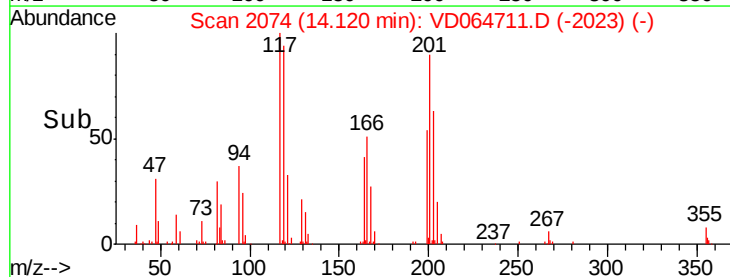
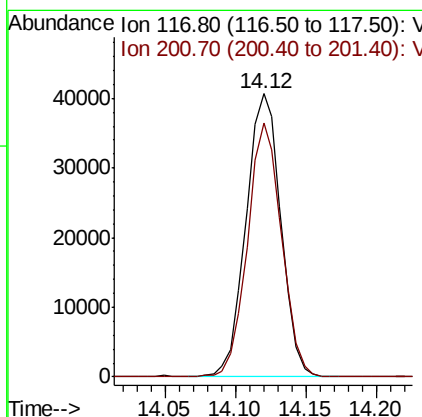
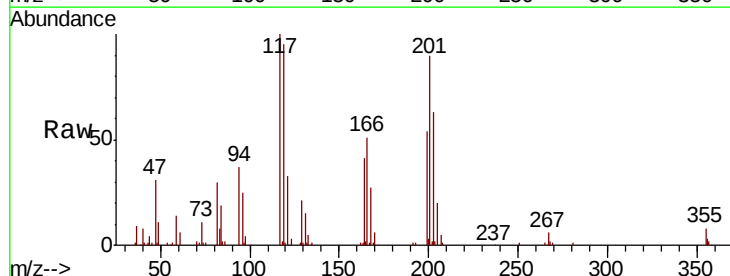
Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

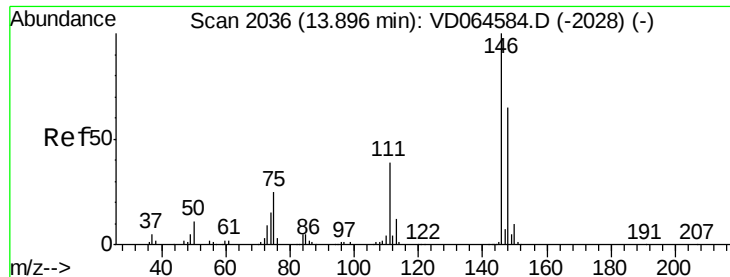
Tot Ion: 91 Resp: 336803
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.4
134 27.7 14.0 41.9



#90
Hexachloroethane
Concen: 20.506 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion: 117 Resp: 70442
Ion Ratio Lower Upper
117 100
201 87.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 20.671 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBSD01

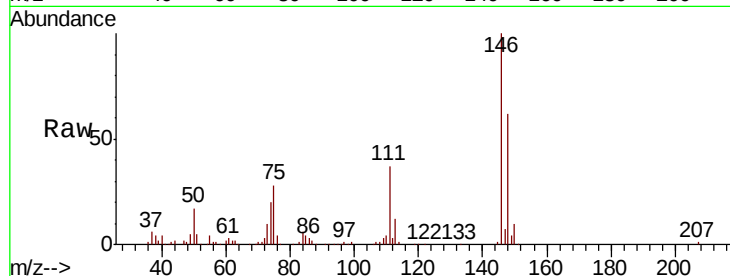
Tot Ion:146 Resp: 158811

Ion Ratio Lower Upper

146 100

111 38.3 19.3 57.9

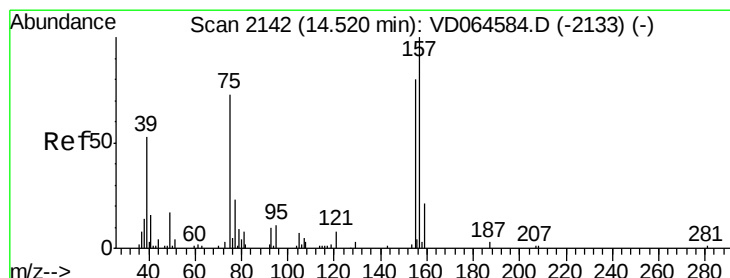
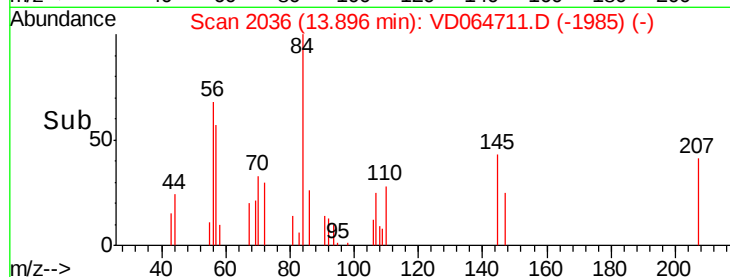
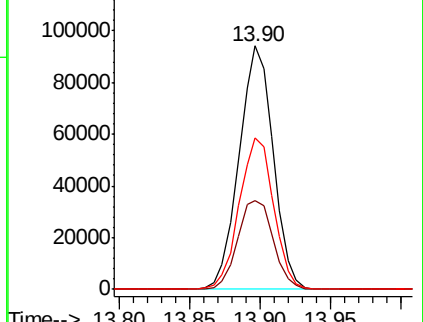
148 62.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.840 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064711.D

Acq: 02 Jan 2020 12:10

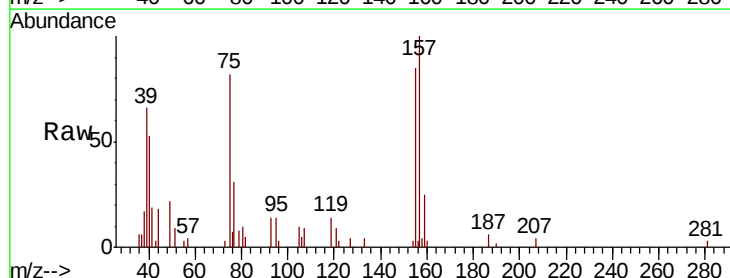
Tgt Ion: 75 Resp: 10208

Ion Ratio Lower Upper

75 100

155 94.3 48.0 144.0

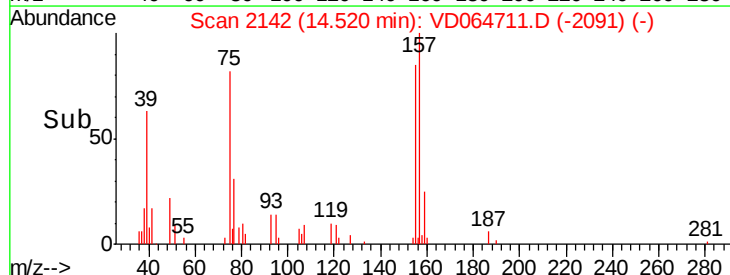
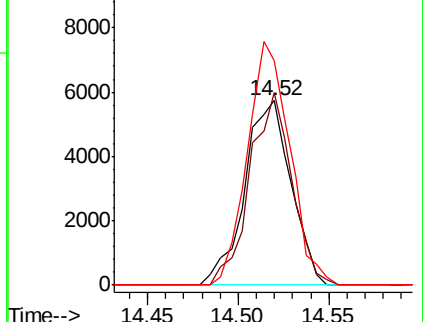
157 120.3 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

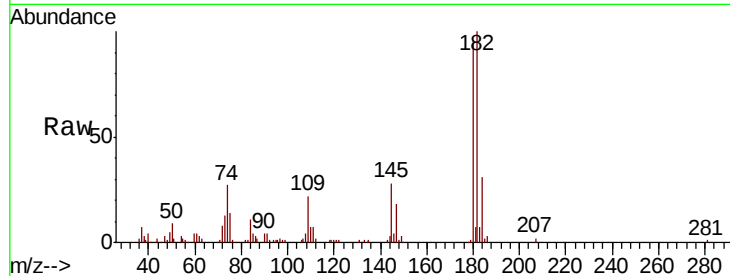




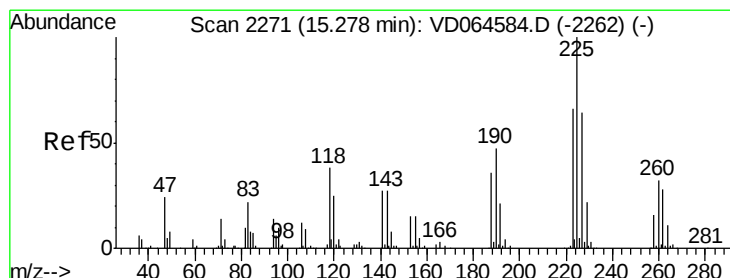
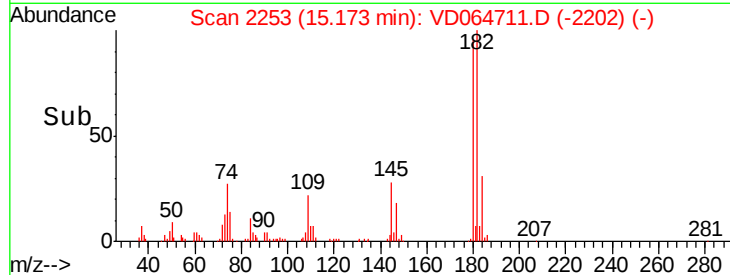
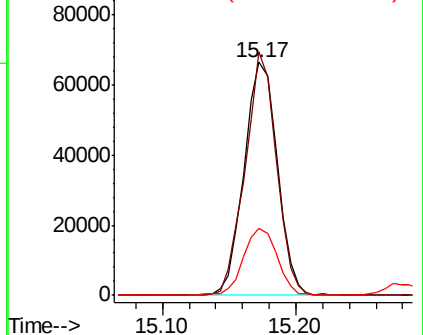
#93
 1,2,4-Trichlorobenzene
 Concen: 20.275 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.0	144.2
145	29.2	13.8	41.4

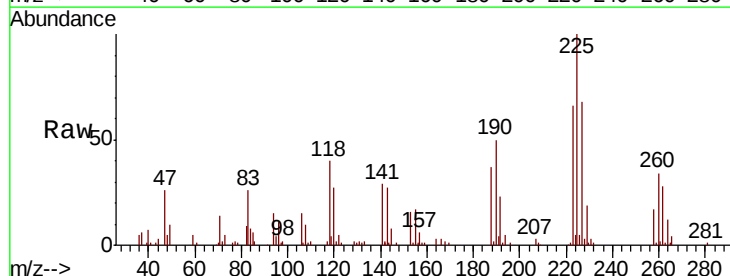


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

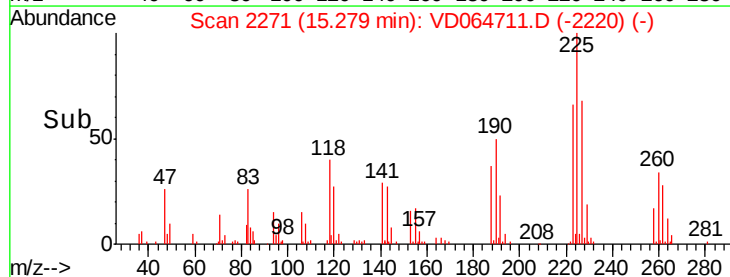
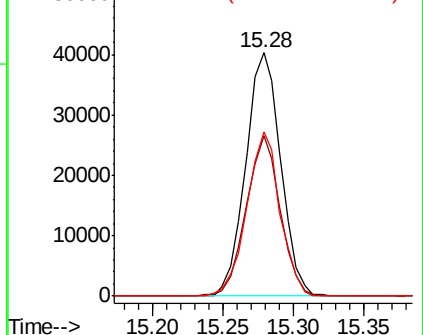


#94
 Hexachlorobutadiene
 Concen: 19.701 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064711.D
 Acq: 02 Jan 2020 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	64.2	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

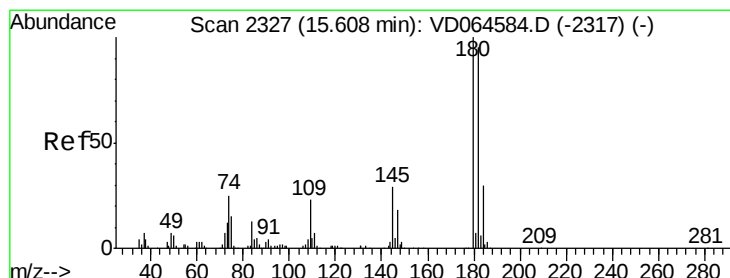
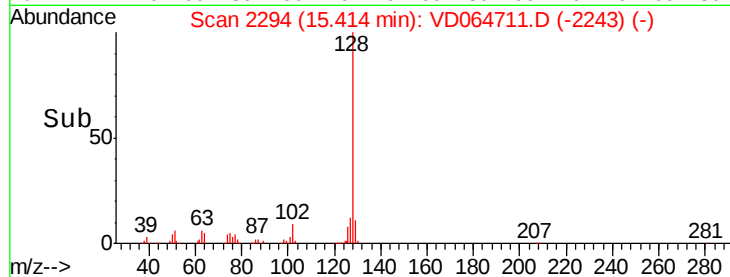
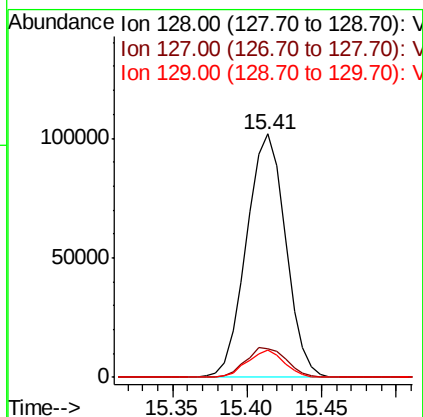
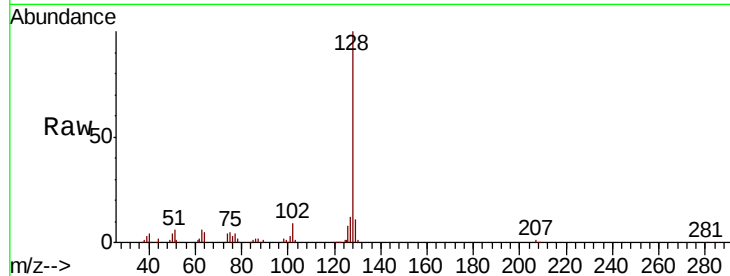




#95
Naphthalene
Concen: 20.705 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBSD01

Tot Ion:128 Resp: 185291
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.184 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064711.D
Acq: 02 Jan 2020 12:10

Tgt Ion:180 Resp: 97476
Ion Ratio Lower Upper
180 100
182 96.1 47.9 143.7
145 30.7 14.9 44.7

