

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065444.D
 Acq On : 09 Mar 2020 12:27
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:18:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	497118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213598	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	232669	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	911113	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	287553	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	96417	22.567	ug/l	98
3) Chloromethane	2.21	50	106964	20.737	ug/l	100
4) Vinyl Chloride	2.35	62	107564	21.142	ug/l	99
5) Bromomethane	2.77	94	69217	21.558	ug/l	100
6) Chloroethane	2.93	64	65605	21.054	ug/l	94
7) Trichlorofluoromethane	3.27	101	158941	21.202	ug/l	97
8) Diethyl Ether	3.70	74	44719	20.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103126	21.359	ug/l	99
10) Methyl Iodide	4.30	142	102386	20.412	ug/l	98
11) Tert butyl alcohol	5.26	59	25268	103.305	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	95068	20.563	ug/l	98
13) Acrolein	3.92	56	35202	83.449	ug/l	97
14) Allyl chloride	4.71	41	141231	19.886	ug/l	99
15) Acrylonitrile	5.43	53	91396	94.236	ug/l	99
16) Acetone	4.17	43	79253	91.897	ug/l	98
17) Carbon Disulfide	4.40	76	318332	20.676	ug/l	100
18) Methyl Acetate	4.73	43	41537	18.987	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	173474	19.512	ug/l	95
20) Methylene Chloride	4.97	84	108802	21.244	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106964	20.798	ug/l	98
22) Diisopropyl ether	6.37	45	277855	21.046	ug/l	97
23) Vinyl Acetate	6.31	43	714815	97.510	ug/l	100
24) 1,1-Dichloroethane	6.27	63	174346	20.588	ug/l	95
25) 2-Butanone	7.22	43	104476	88.773	ug/l	96
26) 2,2-Dichloropropane	7.21	77	154330	20.855	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108143	20.572	ug/l	99
28) Bromochloromethane	7.55	49	67233	19.844	ug/l	98
29) Tetrahydrofuran	7.57	42	68863	91.625	ug/l	98
30) Chloroform	7.71	83	176905	20.900	ug/l	93
31) Cyclohexane	7.99	56	172641	20.388	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	163054	20.846	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142388	20.490	ug/l	99
37) Ethyl Acetate	7.30	43	53020	19.740	ug/l	97
38) Carbon Tetrachloride	8.10	117	152593	21.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172105	20.506	ug/l	97
40) Benzene	8.36	78	413528	21.283	ug/l	99
41) Methacrylonitrile	7.53	41	22981	16.178	ug/l	96
42) 1,2-Dichloroethane	8.43	62	103945	20.488	ug/l	100
43) Isopropyl Acetate	8.46	43	93295	18.812	ug/l	98
44) Trichloroethene	9.12	130	116527	21.237	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97462	20.708	ug/l	98
46) Dibromomethane	9.48	93	49706	20.361	ug/l	96
47) Bromodichloromethane	9.67	83	133850	21.075	ug/l #	94
48) Methyl methacrylate	9.46	41	44762	19.187	ug/l	97
49) 1,4-Dioxane	9.47	88	10113	362.154	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	241283	96.679	ug/l	100
52) Toluene	10.41	92	261533	21.367	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120692	20.335	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	149585	20.822	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	69967	20.235	ug/l	99
56) Ethyl methacrylate	10.67	69	74289	19.058	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121058	20.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131753	109.384	ug/l	100
59) 2-Hexanone	10.99	43	155715	90.132	ug/l	100
60) Dibromochloromethane	11.15	129	92335	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67214	20.380	ug/l	98
64) Tetrachloroethene	10.88	164	101257	21.656	ug/l	97
65) Chlorobenzene	11.67	112	270830	20.974	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	102013	21.692	ug/l	98
67) Ethyl Benzene	11.75	91	470502	21.088	ug/l	98
68) m/p-Xylenes	11.86	106	375385	43.634	ug/l	100
69) o-Xylene	12.18	106	160184	21.167	ug/l	100
70) Styrene	12.20	104	286228	21.491	ug/l	99
71) Bromoform	12.37	173	55080	20.851	ug/l #	98
73) Isopropylbenzene	12.48	105	443434	20.446	ug/l	100
74) N-amyl acetate	12.30	43	81700	18.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73330	19.235	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	93659	35.997	ug/l #	100
77) Bromobenzene	12.77	156	111403	20.675	ug/l	98
78) n-propylbenzene	12.83	91	546939	21.255	ug/l	100
79) 2-Chlorotoluene	12.91	91	303385	20.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	374965	21.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22725	18.432	ug/l	99
82) 4-Chlorotoluene	13.01	91	319987	20.997	ug/l	99
83) tert-Butylbenzene	13.23	119	309080	20.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	370872	21.102	ug/l	100
85) sec-Butylbenzene	13.41	105	451876	20.987	ug/l	100
86) p-Isopropyltoluene	13.53	119	417384	21.244	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215485	20.801	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213294	20.698	ug/l	100
89) n-Butylbenzene	13.86	91	377934	20.807	ug/l	99
90) Hexachloroethane	14.12	117	81261	20.084	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	183926	20.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11085	19.093	ug/l	93

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

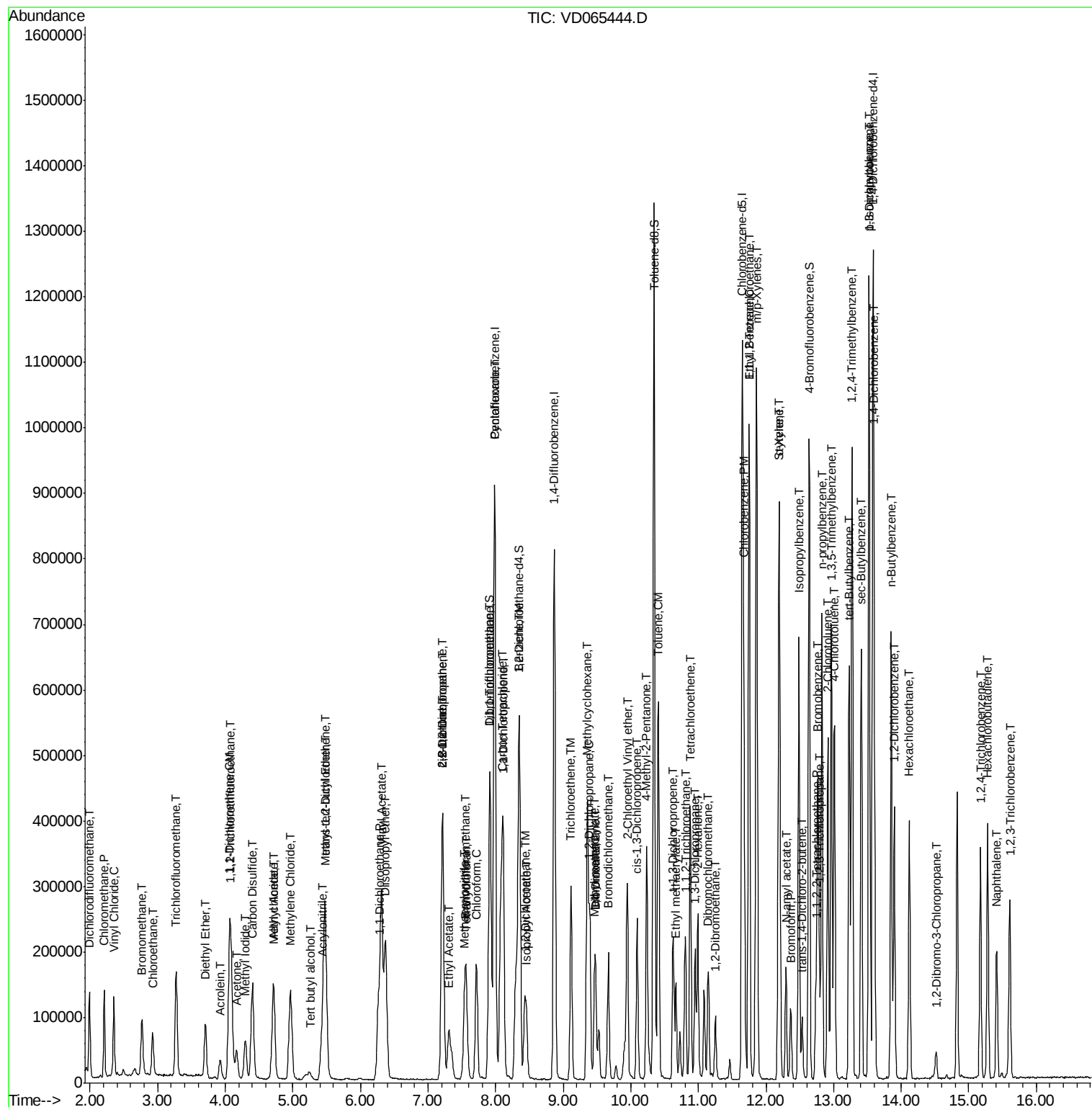
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122662	20.529	ug/l	98
94) Hexachlorobutadiene	15.28	225	81334	20.716	ug/l	99
95) Naphthalene	15.41	128	176611	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105717	20.475	ug/l	100

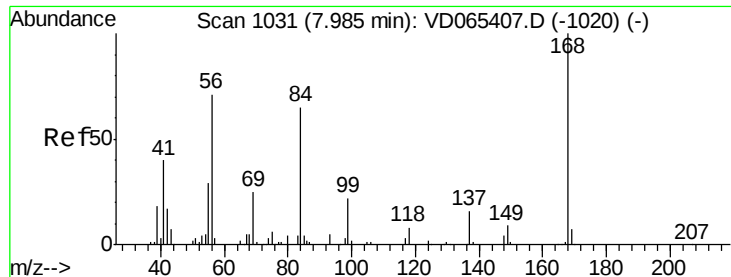
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

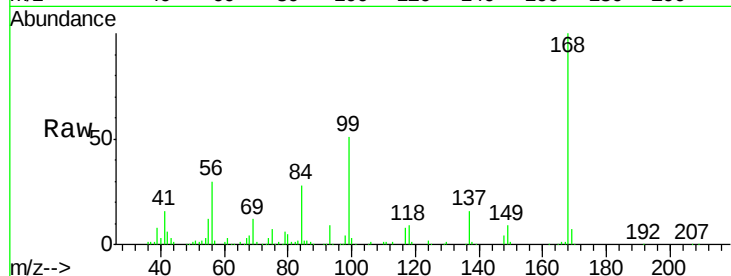
ClientSampleId :

Tot Ion:168 Resp: 497118

Ion Ratio Lower Upper

168 100

99 51.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

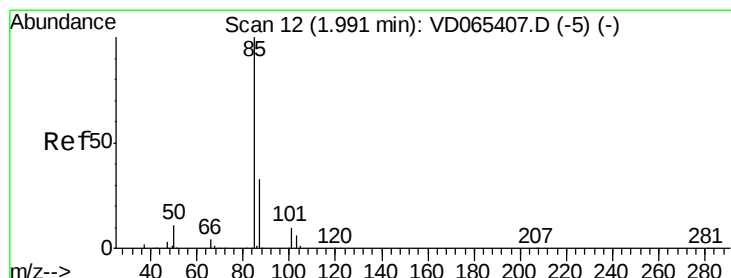
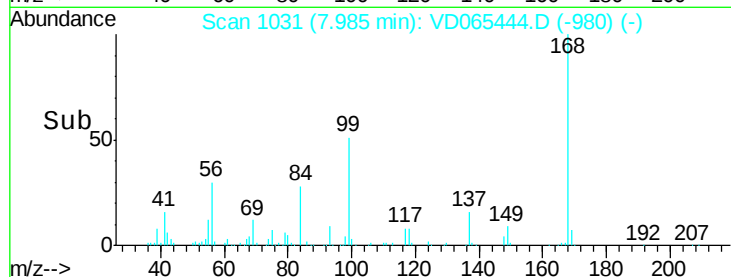
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.567 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065444.D

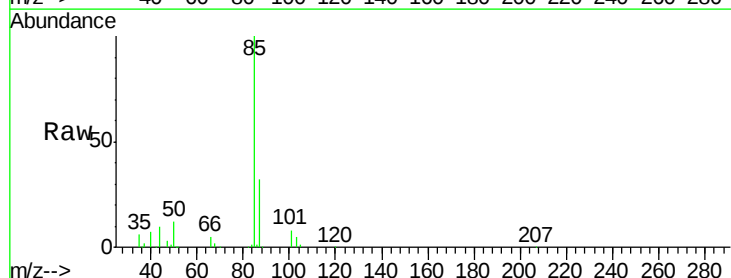
Acq: 09 Mar 2020 12:27

Tgt Ion: 85 Resp: 96417

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

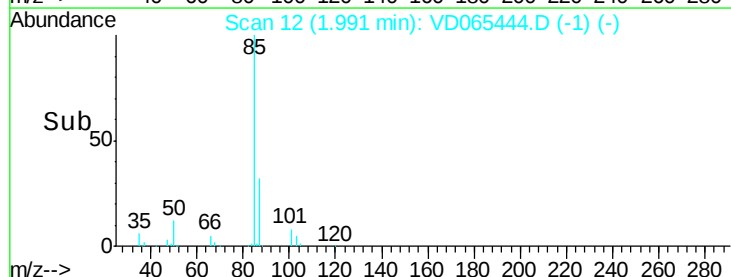
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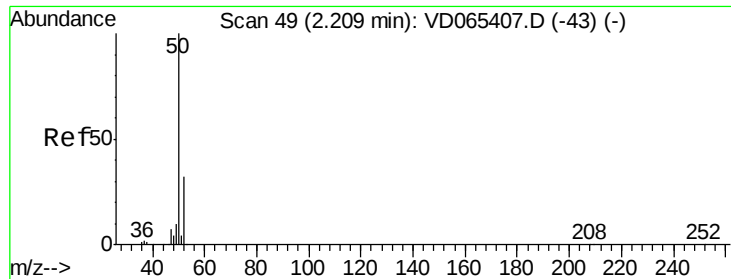
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.737 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

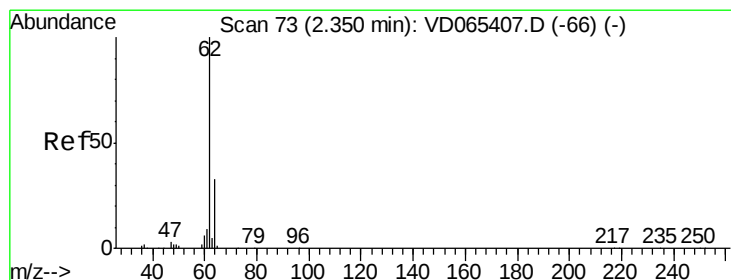
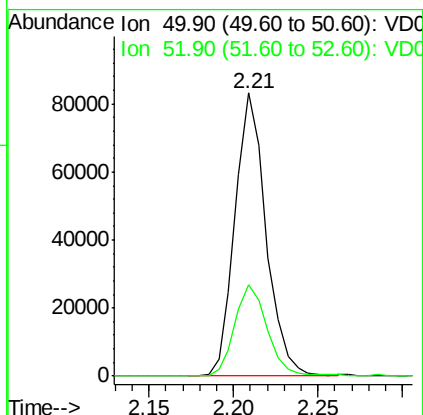
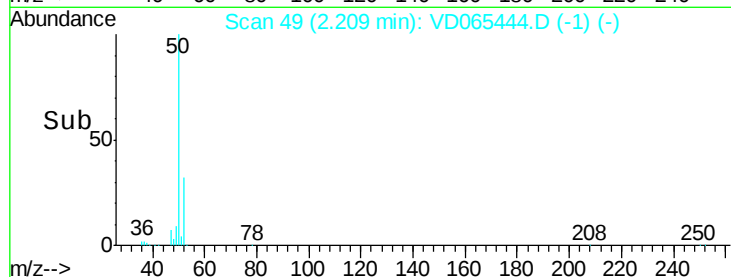
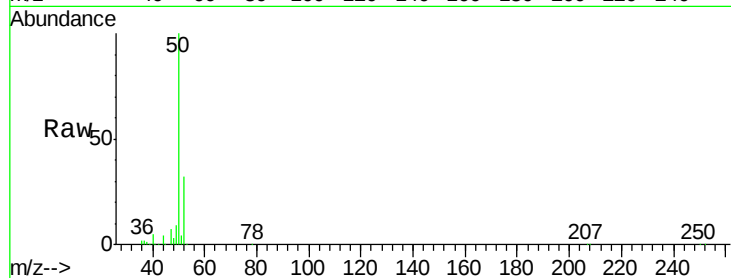
ClientSampleId :

Tot Ion: 50 Resp: 106964

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8



#4

Vinyl Chloride

Concen: 21.142 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065444.D

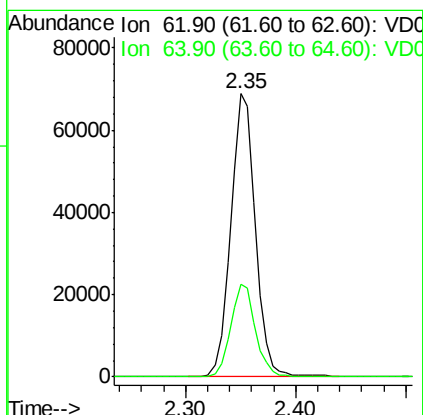
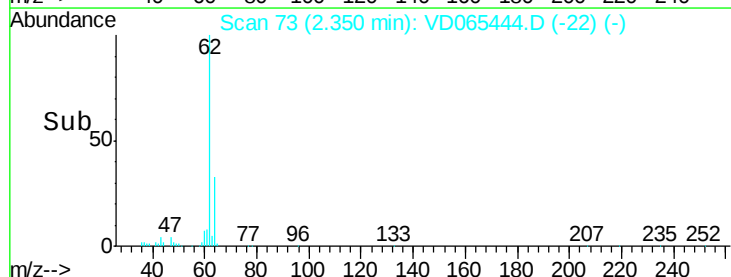
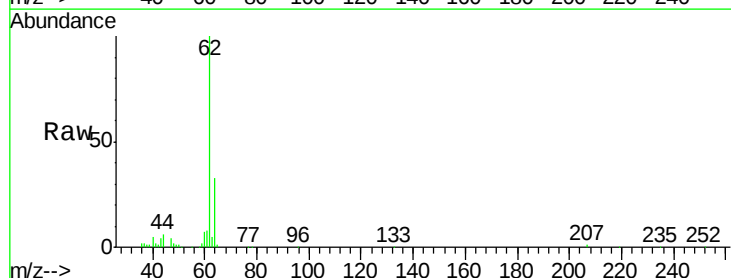
Acq: 09 Mar 2020 12:27

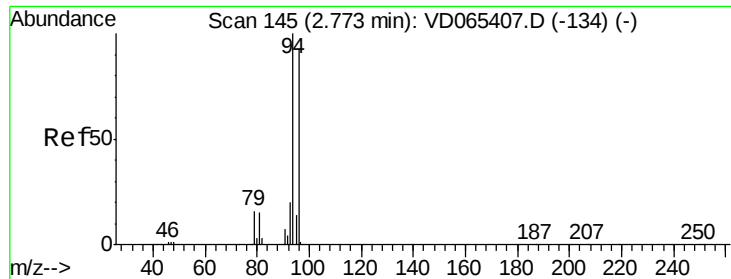
Tgt Ion: 62 Resp: 107564

Ion Ratio Lower Upper

62 100

64 32.8 26.6 39.8





#5

Bromomethane

Concen: 21.558 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

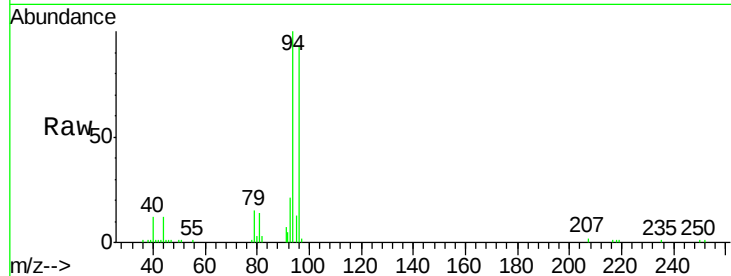
ClientSampled :

Tot Ion: 94 Resp: 69217

Ion Ratio Lower Upper

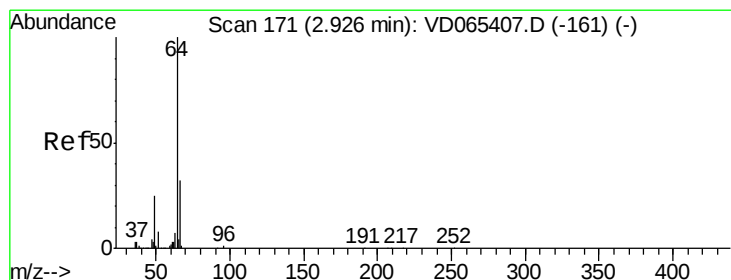
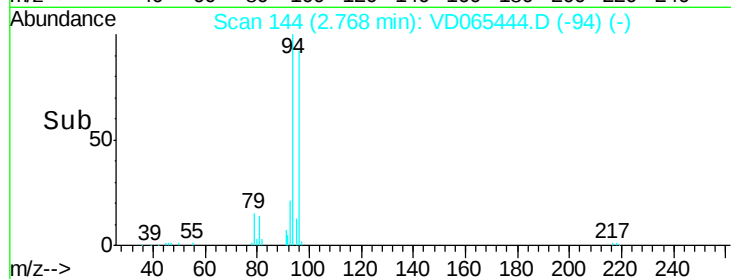
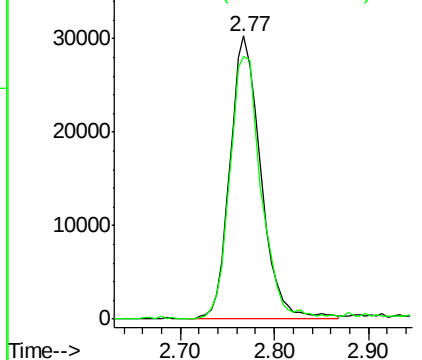
94 100

96 93.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.054 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065444.D

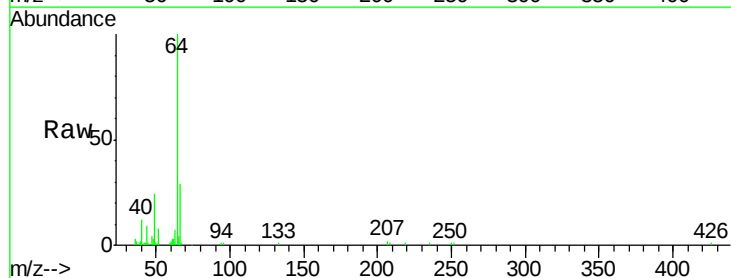
Acq: 09 Mar 2020 12:27

Tgt Ion: 64 Resp: 65605

Ion Ratio Lower Upper

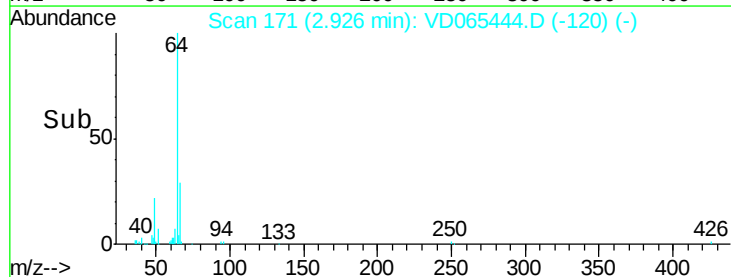
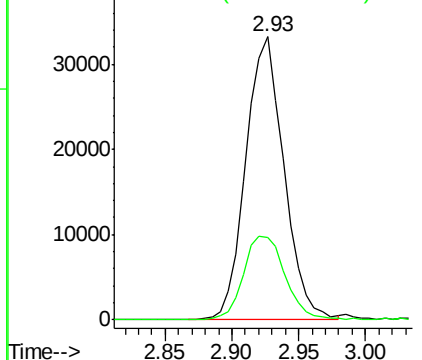
64 100

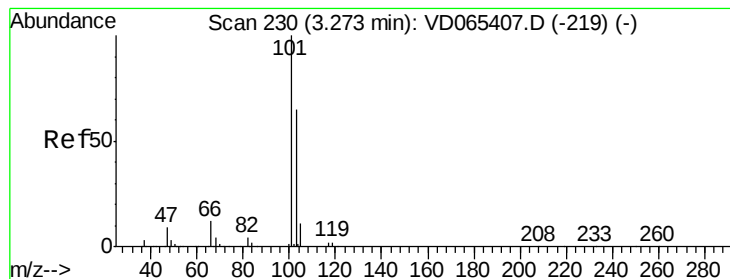
66 28.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



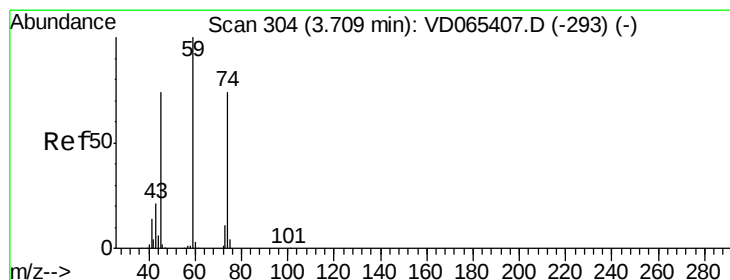
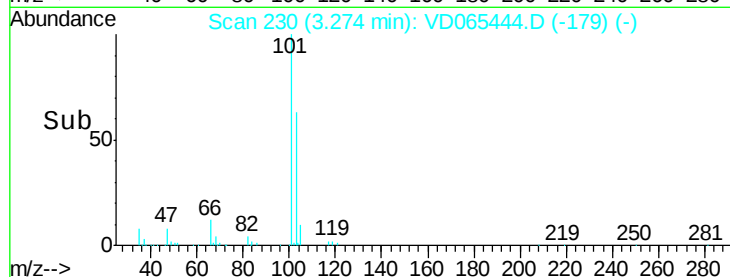
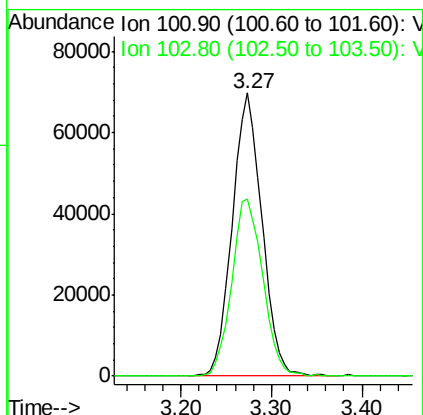
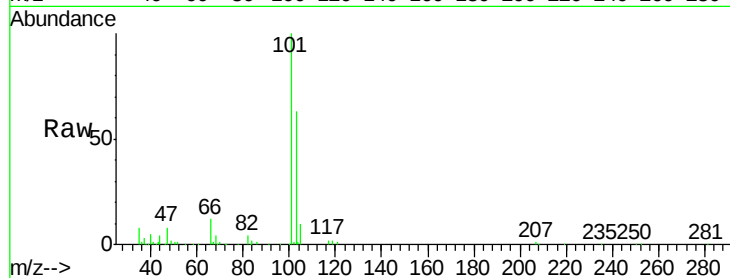


#7

Trichlorofluoromethane
Concen: 21.202 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

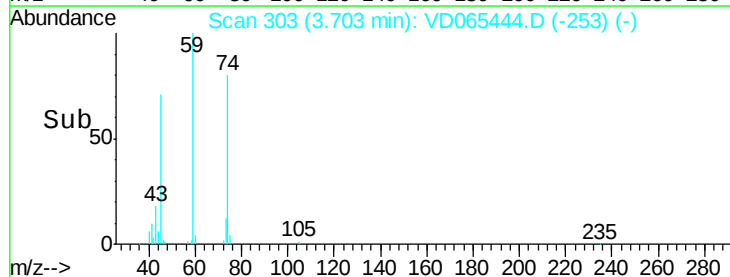
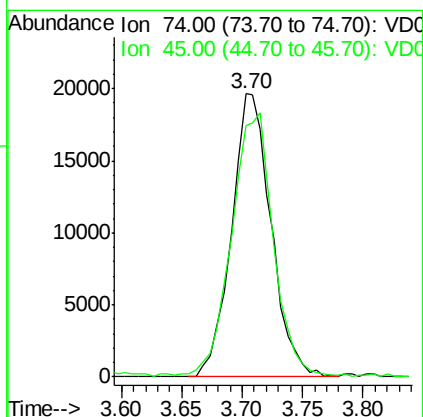
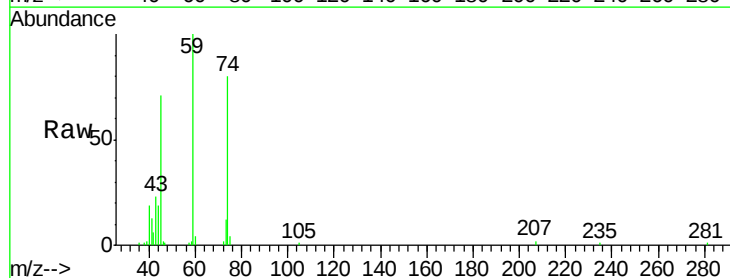
Tot Ion:101 Resp: 158941
Ion Ratio Lower Upper
101 100
103 62.7 52.1 78.1

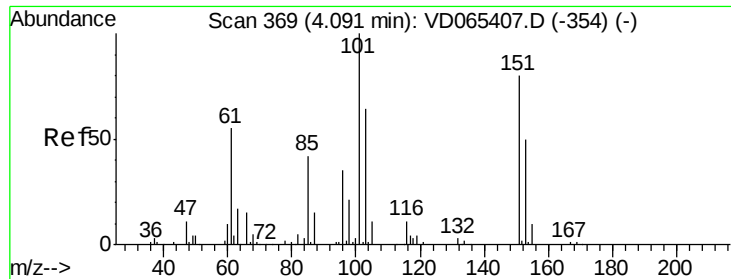


#8

Diethyl Ether
Concen: 20.059 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 74 Resp: 44719
Ion Ratio Lower Upper
74 100
45 99.4 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.359 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

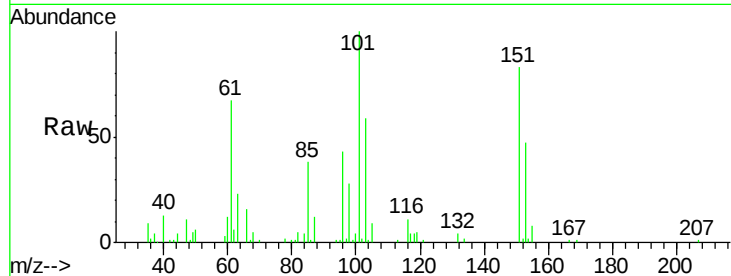
Tot Ion:101 Resp: 103126

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.2

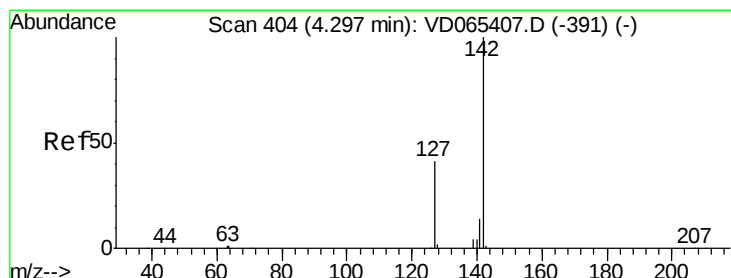
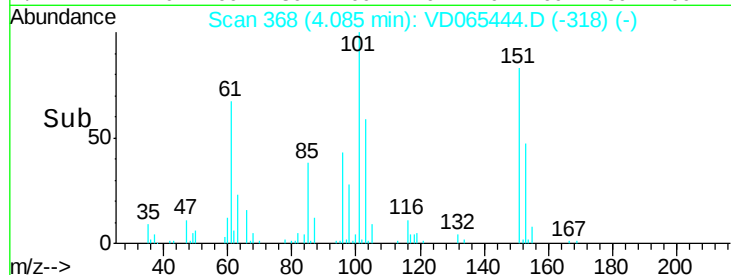
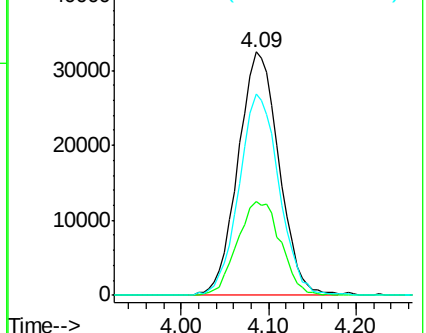
151 81.3 65.1 97.7



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: 20.412 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

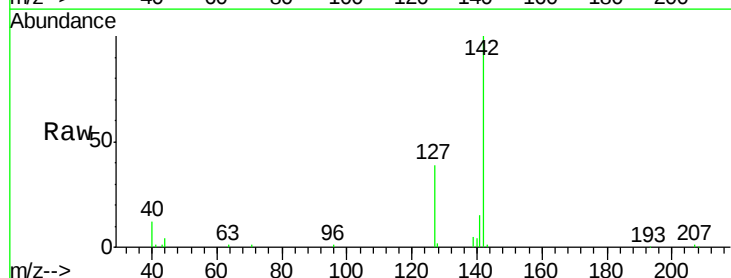
Tgt Ion:142 Resp: 102386

Ion Ratio Lower Upper

142 100

127 42.4 35.0 52.6

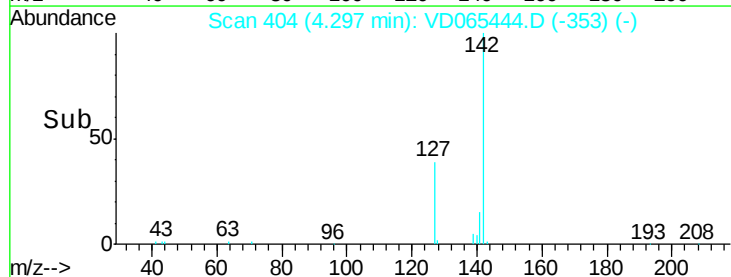
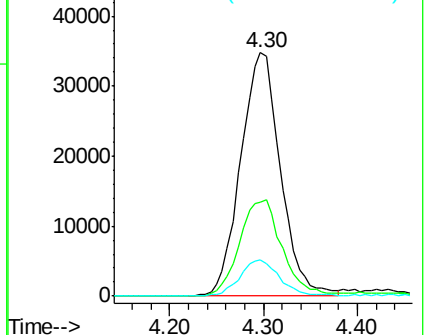
141 14.7 12.4 18.6

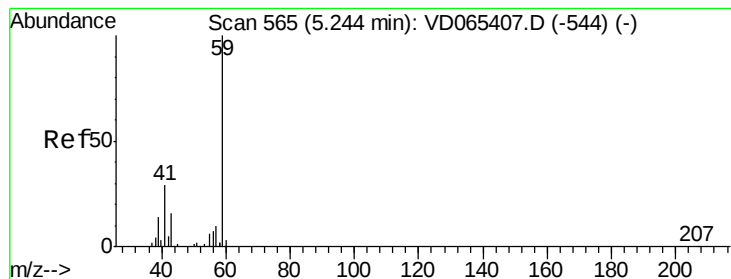


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



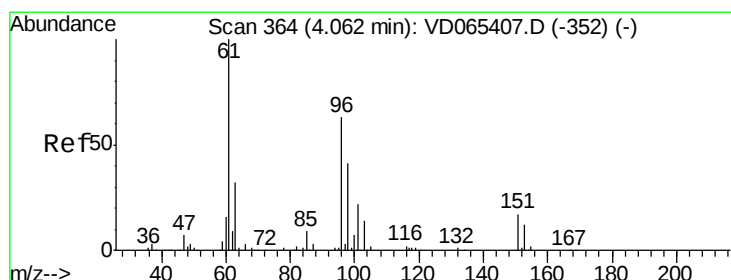
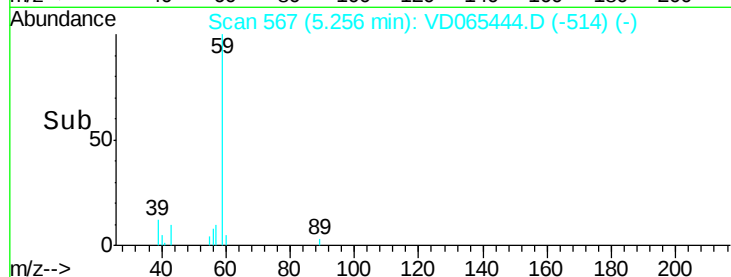
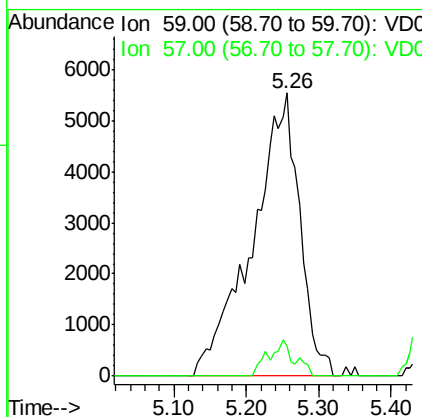
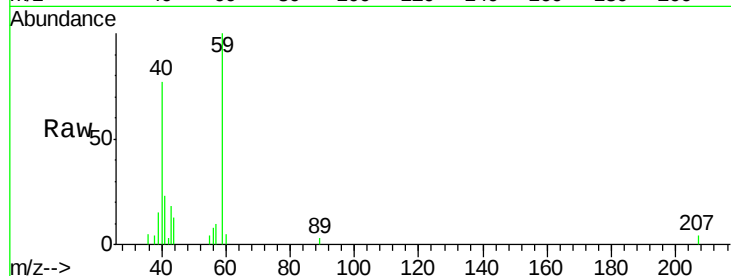


#11

Tert butyl alcohol
 Concen: 103.305 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

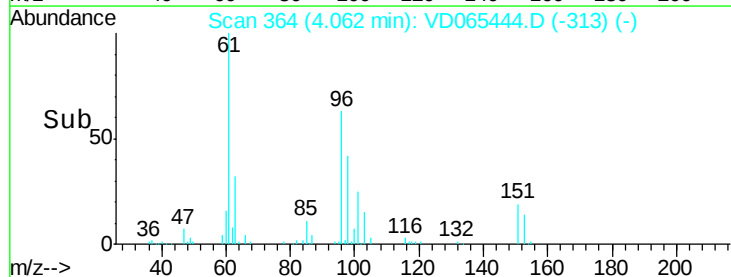
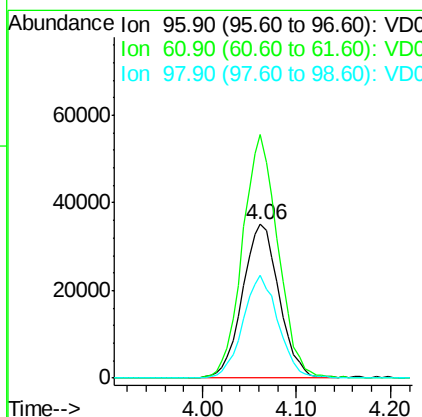
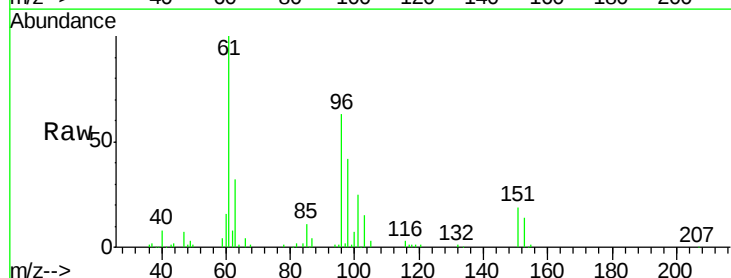
Tot Ion: 59 Resp: 25268
 Ion Ratio Lower Upper
 59 100
 57 5.7 6.9 10.3#

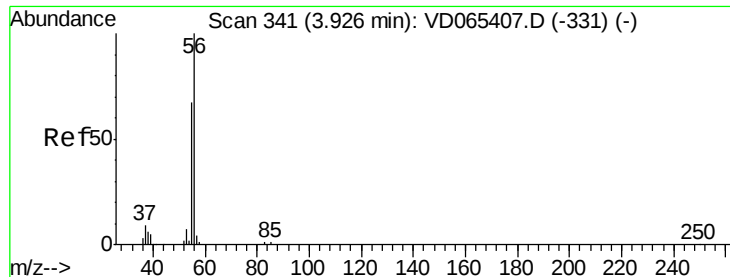


#12

1,1-Dichloroethene
 Concen: 20.563 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion: 96 Resp: 95068
 Ion Ratio Lower Upper
 96 100
 61 158.4 128.0 192.0
 98 66.7 51.9 77.9





#13

Acrolein

Concen: 83.449 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

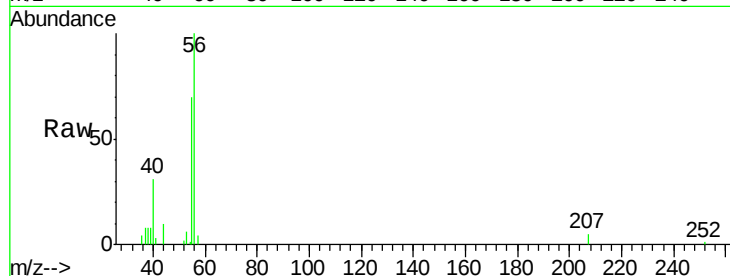
ClientSampled :

Tot Ion: 56 Resp: 35202

Ion Ratio Lower Upper

56 100

55 73.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

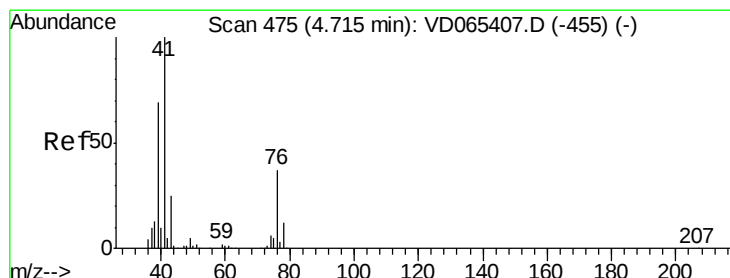
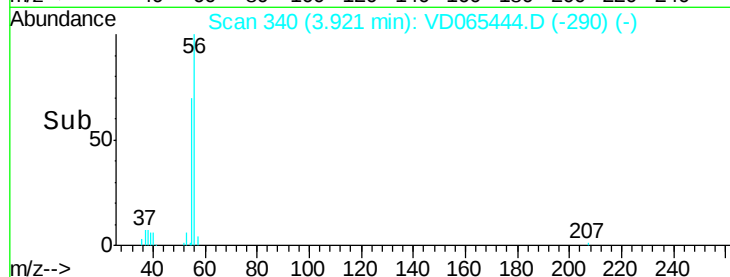
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.886 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

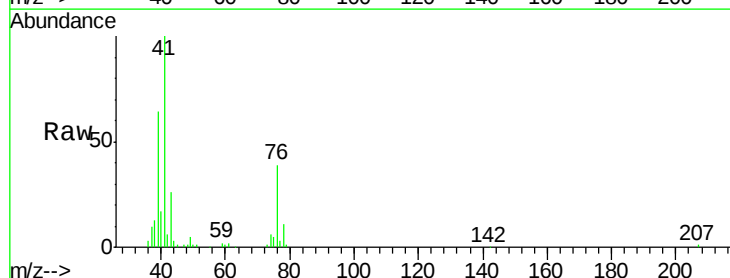
Tgt Ion: 41 Resp: 141231

Ion Ratio Lower Upper

41 100

39 65.5 52.6 79.0

76 37.7 29.2 43.8



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

4.71

60000

50000

40000

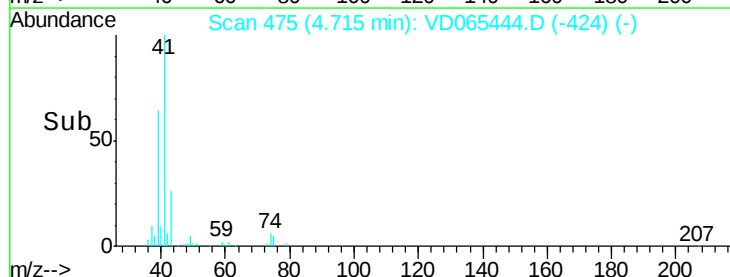
30000

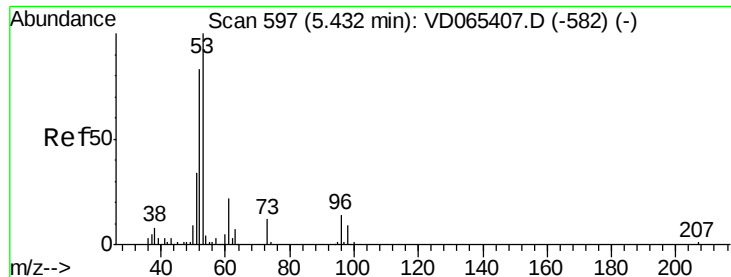
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 94.236 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

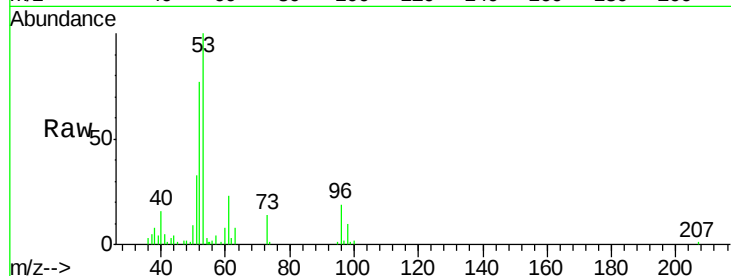
Tot Ion: 53 Resp: 91396

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

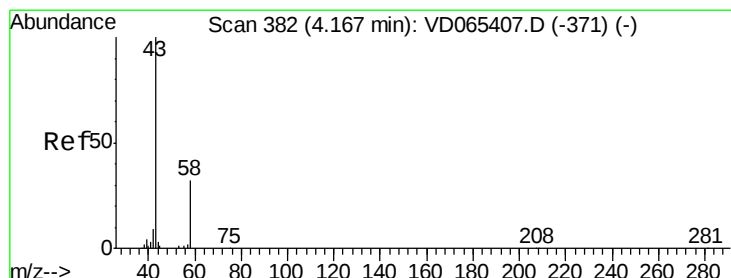
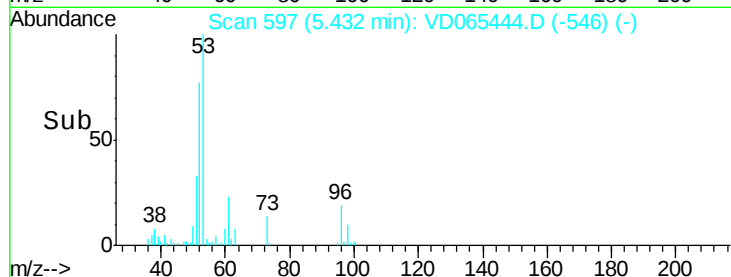
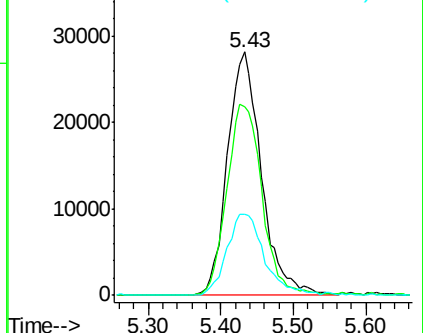
51 36.9 28.5 42.7



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: 91.897 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065444.D

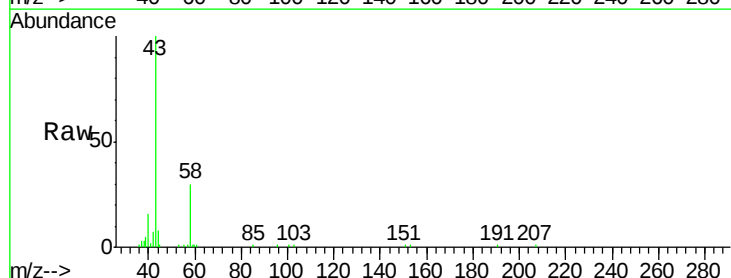
Acq: 09 Mar 2020 12:27

Tgt Ion: 43 Resp: 79253

Ion Ratio Lower Upper

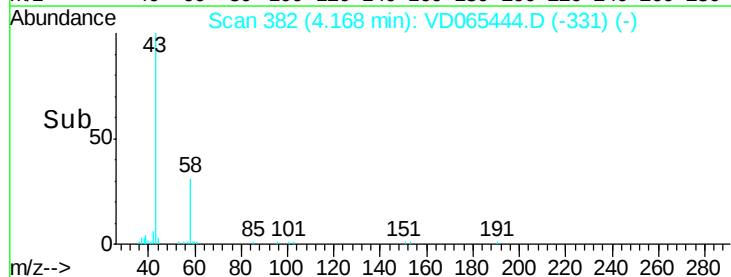
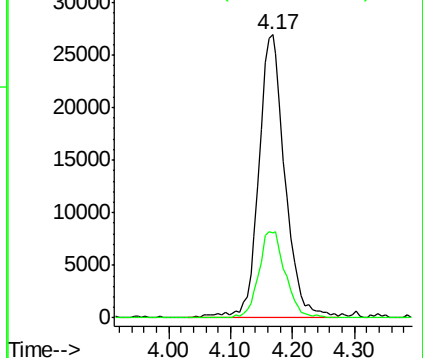
43 100

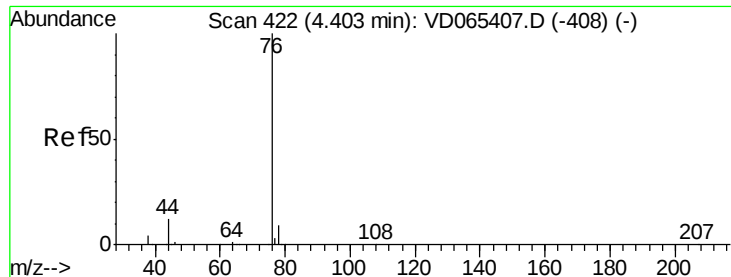
58 30.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

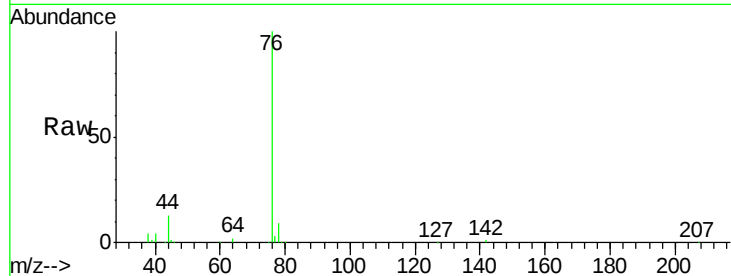




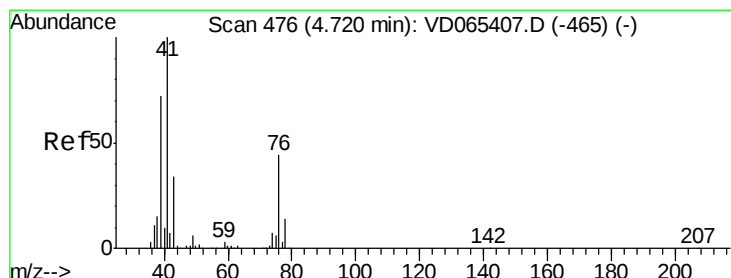
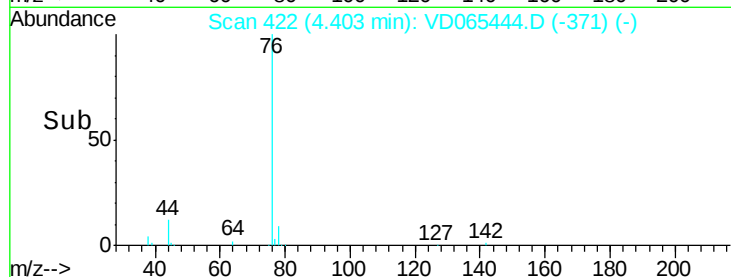
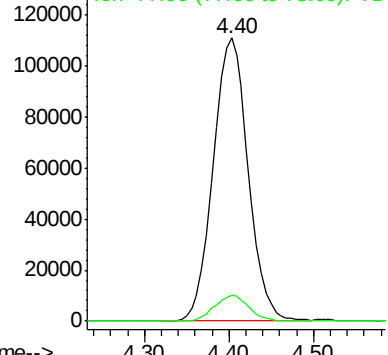
#17
Carbon Disulfide
Concen: 20.676 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 318332
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

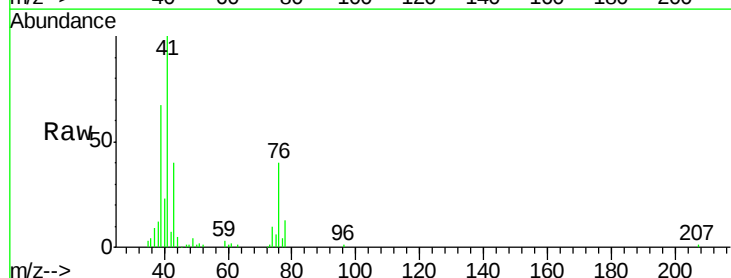


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

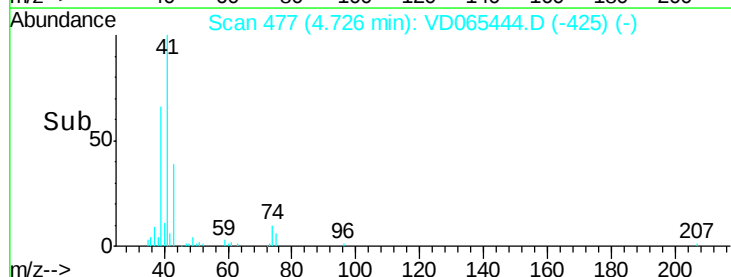
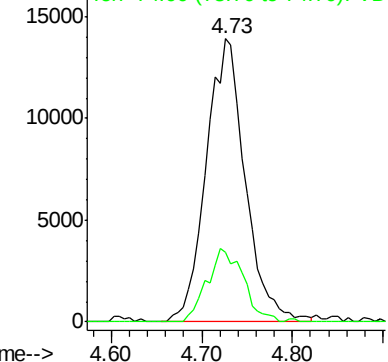


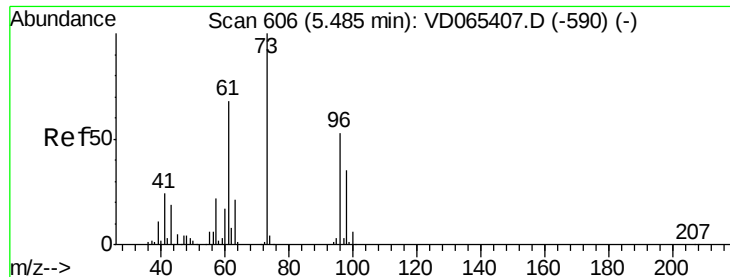
#18
Methyl Acetate
Concen: 18.987 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 43 Resp: 41537
Ion Ratio Lower Upper
43 100
74 24.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

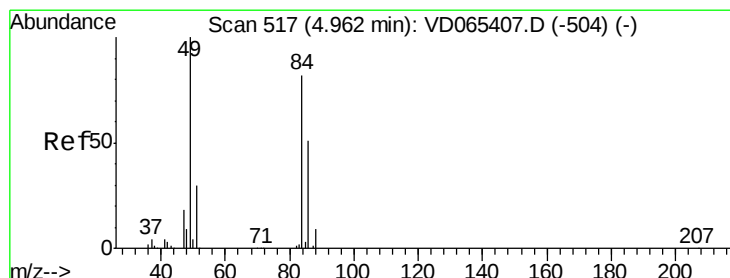
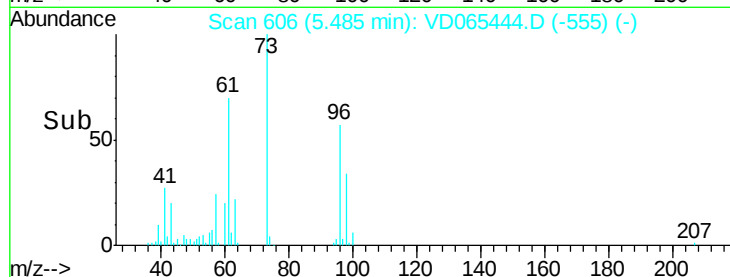
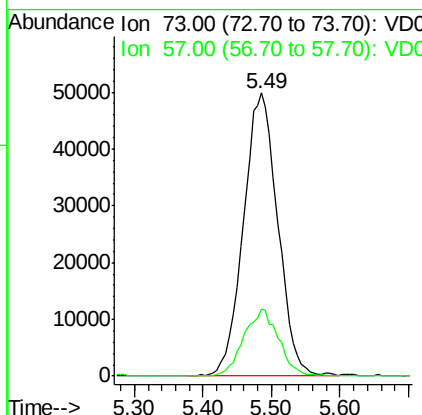
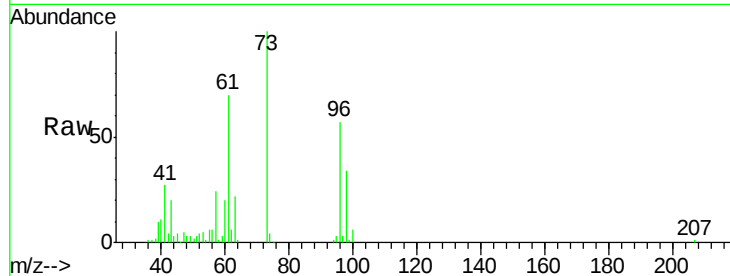




#19
Methyl tert-butyl Ether
Concen: 19.512 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

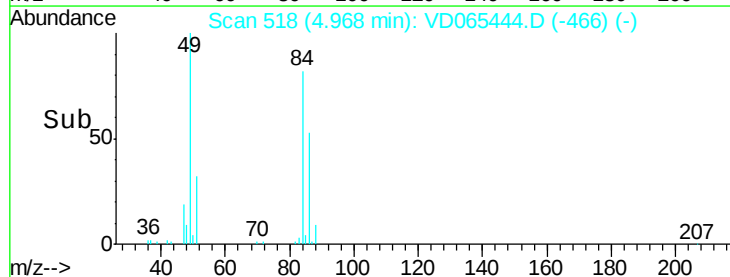
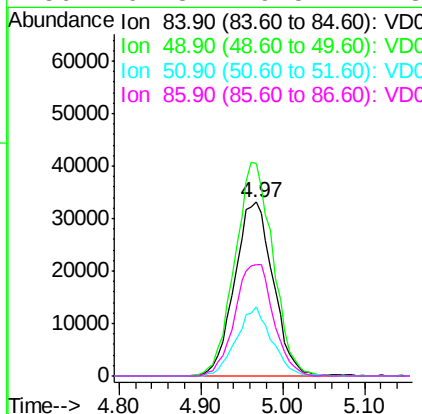
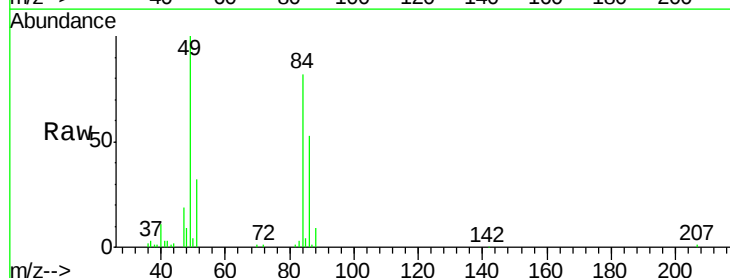
Instrument :
MSVOA_D
ClientSampled :

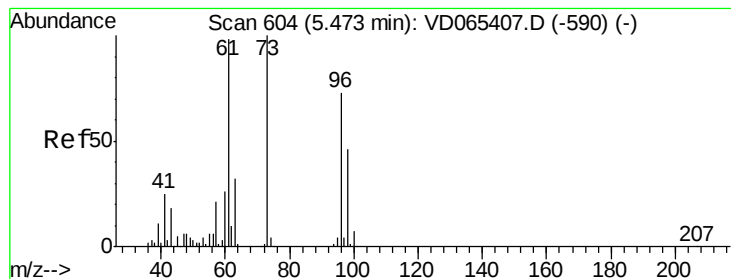
Tot Ion: 73 Resp: 173474
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9



#20
Methylene Chloride
Concen: 21.244 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 84 Resp: 108802
Ion Ratio Lower Upper
84 100
49 122.2 97.7 146.5
51 39.5 28.8 43.2
86 64.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.798 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

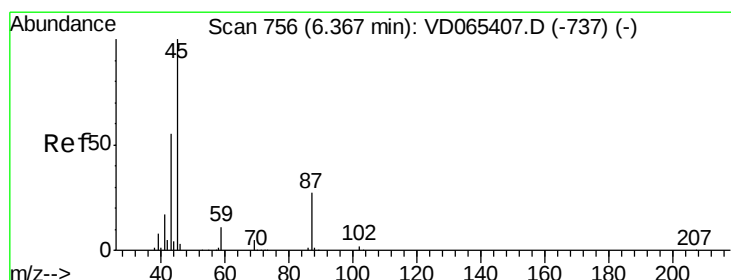
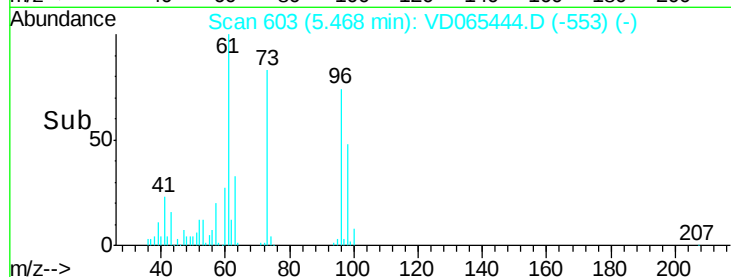
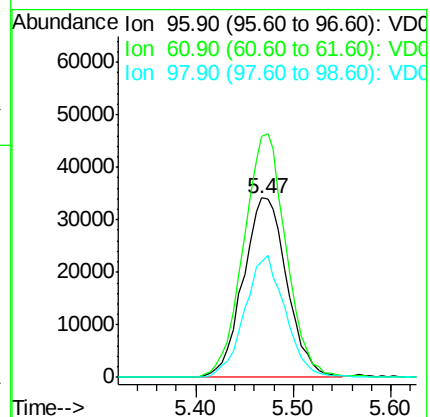
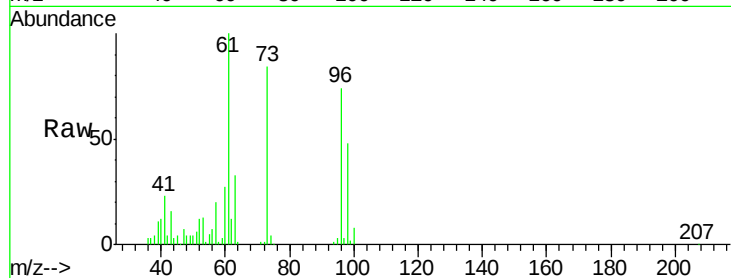
Tot Ion: 96 Resp: 106964

Ion Ratio Lower Upper

96 100

61 134.4 106.3 159.5

98 64.8 50.2 75.4



#22

Diisopropyl ether

Concen: 21.046 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion: 45 Resp: 277855

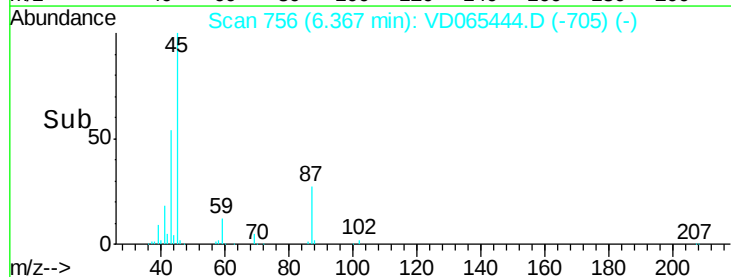
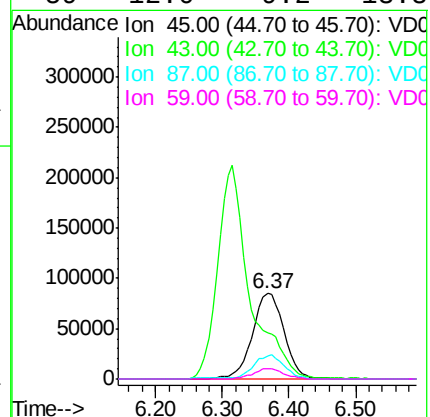
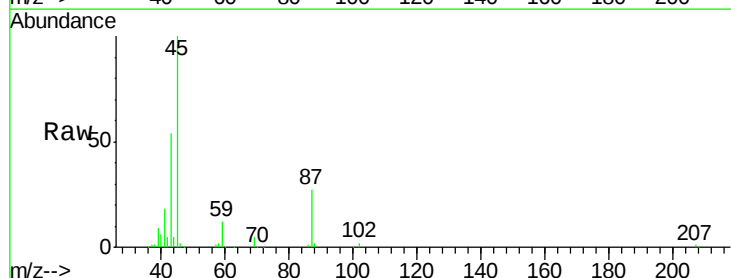
Ion Ratio Lower Upper

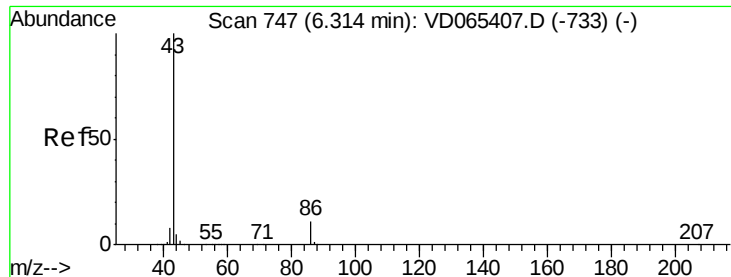
45 100

43 53.0 44.4 66.6

87 26.6 21.9 32.9

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 97.510 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

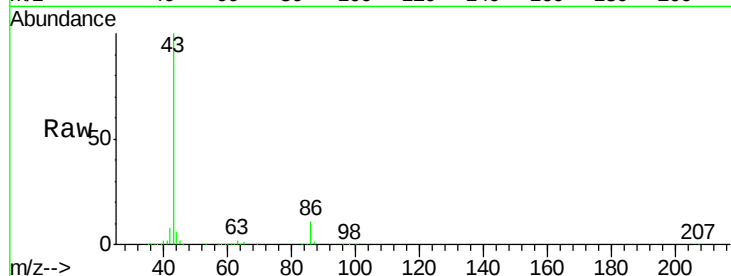
ClientSampled :

Tot Ion: 43 Resp: 714815

Ion Ratio Lower Upper

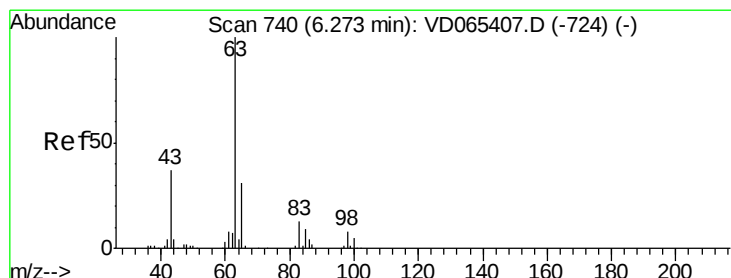
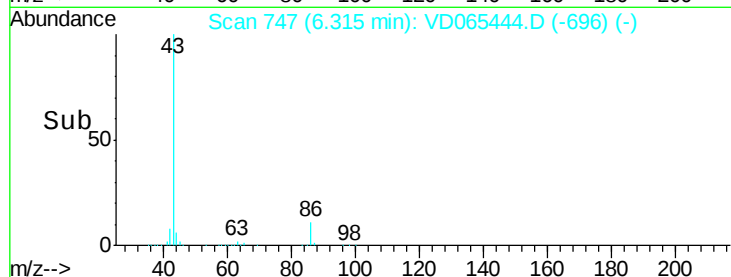
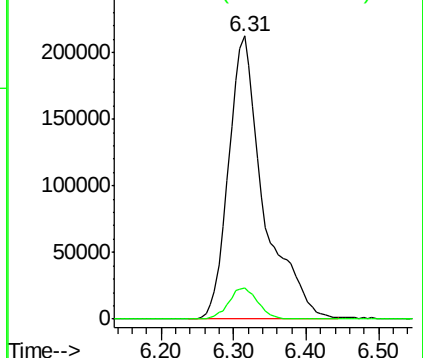
43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.588 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

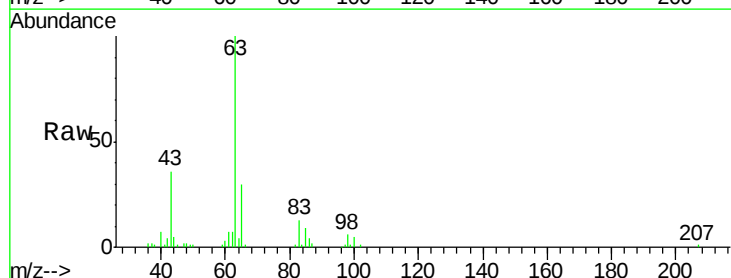
Tgt Ion: 63 Resp: 174346

Ion Ratio Lower Upper

63 100

98 6.1 4.2 12.6

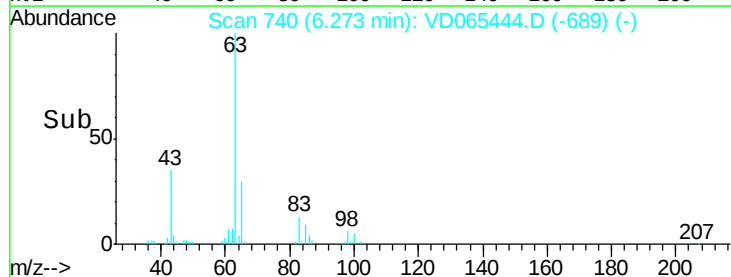
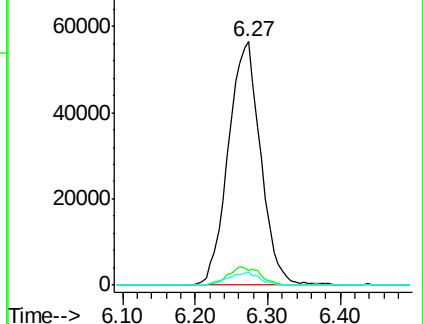
100 5.3 2.4 7.2

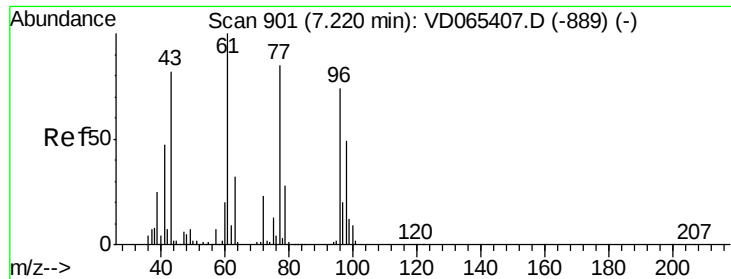


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

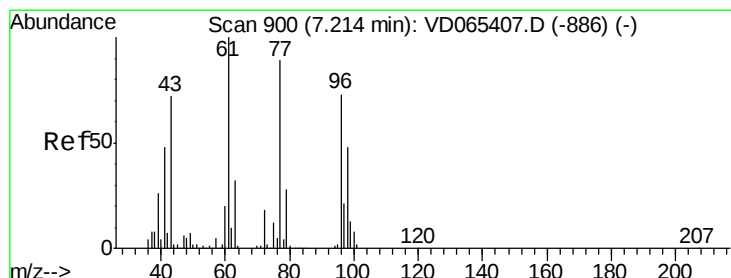
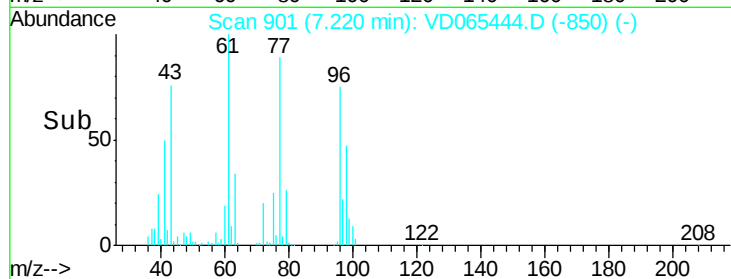
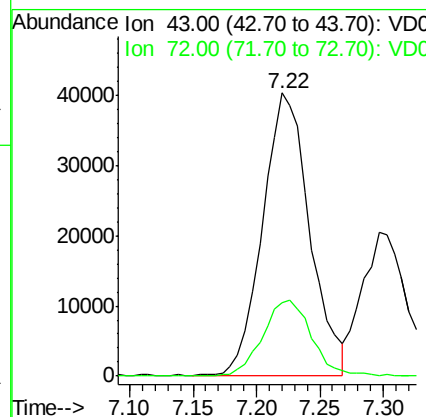
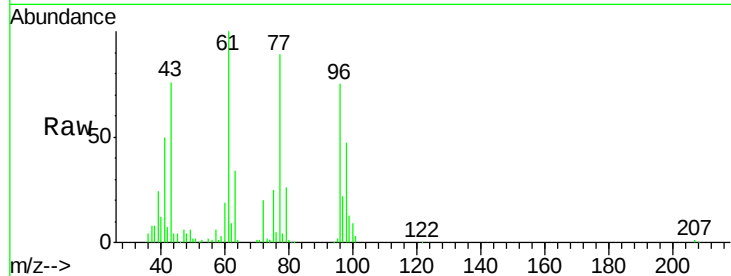




#25
2-Butanone
Concen: 88.773 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

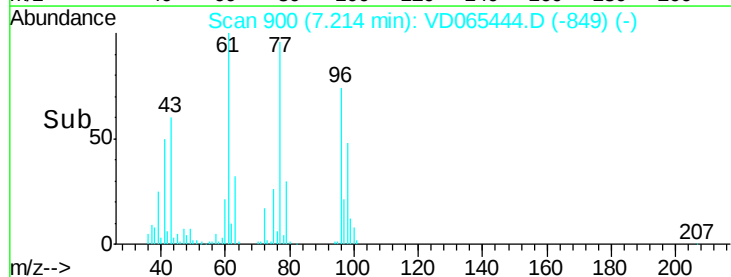
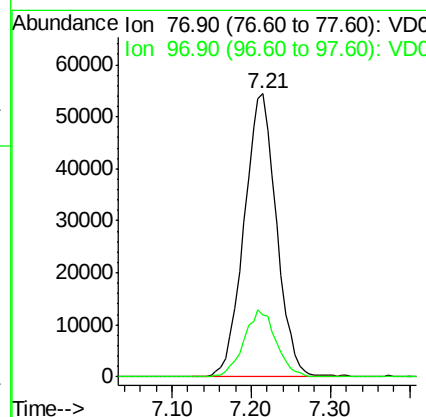
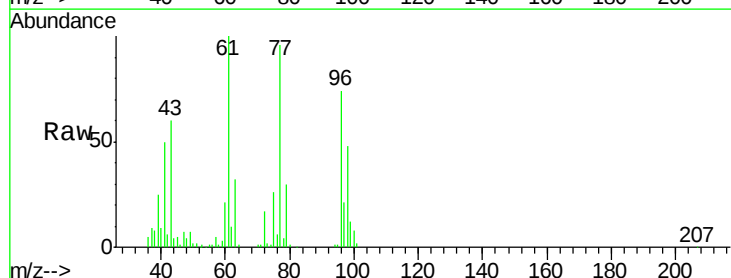
Instrument :
MSVOA_D
ClientSampleId :

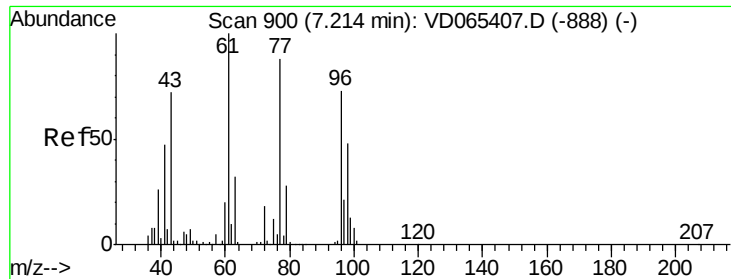
Tot Ion: 43 Resp: 104476
Ion Ratio Lower Upper
43 100
72 25.9 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.855 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 77 Resp: 154330
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.4

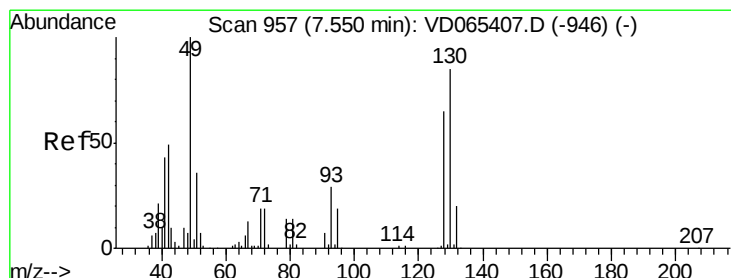
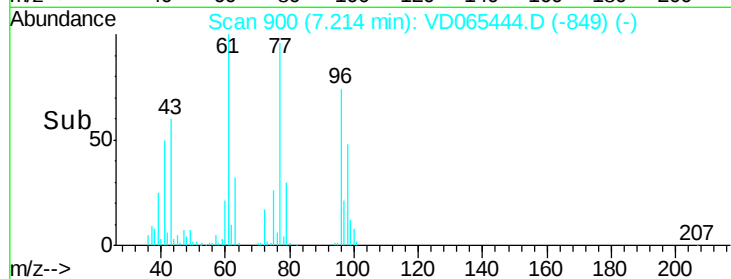
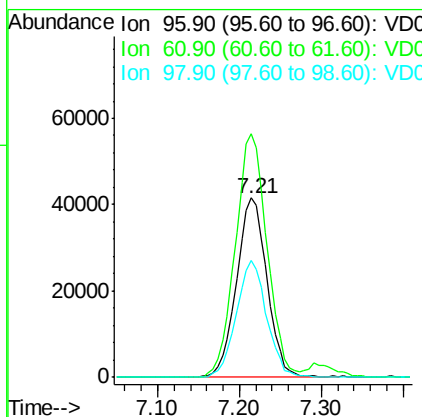
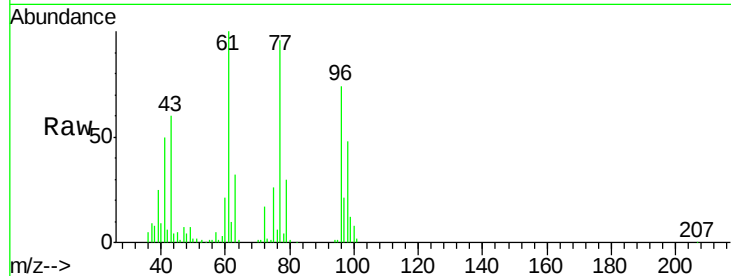




#27
 cis-1,2-Dichloroethene
 Concen: 20.572 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

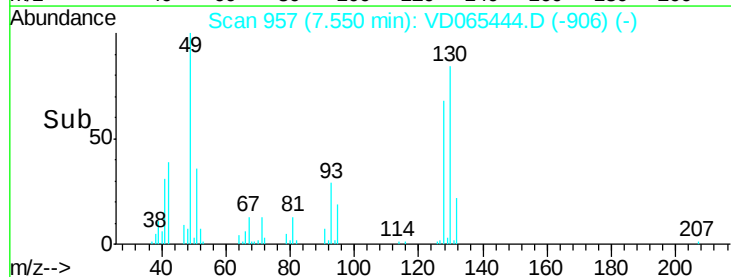
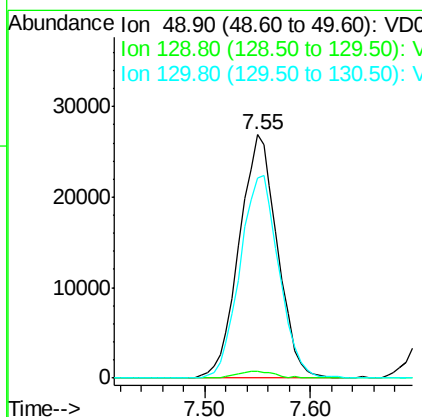
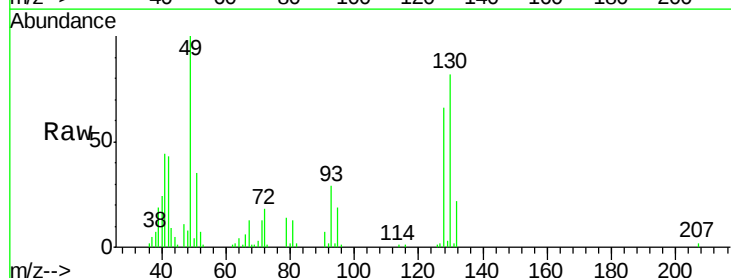
Instrument :
 MSVOA_D
 ClientSampled :

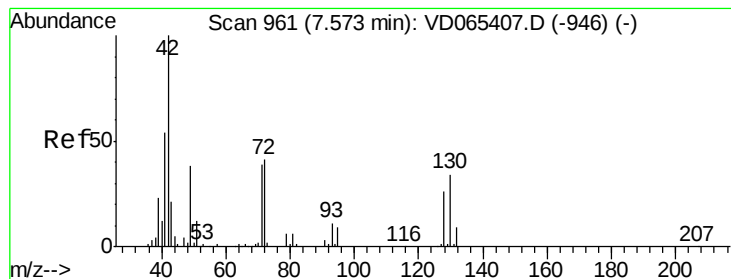
Tot Ion: 96 Resp: 108143
 Ion Ratio Lower Upper
 96 100
 61 140.2 0.0 280.4
 98 64.4 0.0 132.6



#28
 Bromochloromethane
 Concen: 19.844 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion: 49 Resp: 67233
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.6
 130 85.2 66.6 100.0





#29

Tetrahydrofuran

Concen: 91.625 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

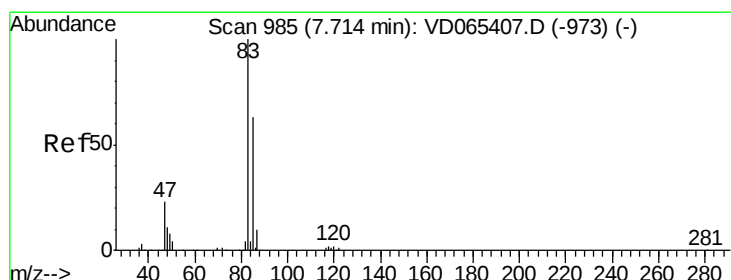
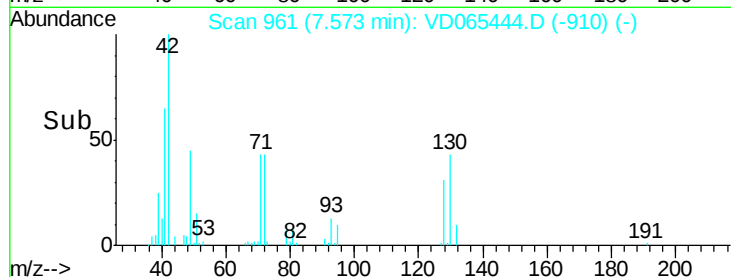
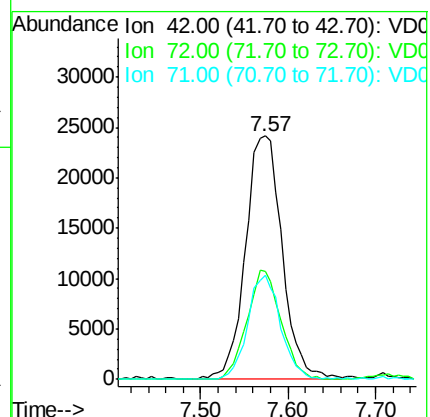
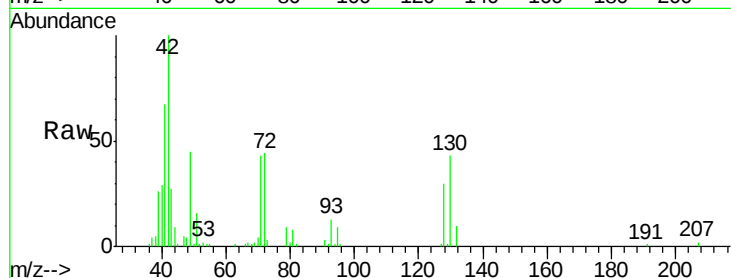
Tot Ion: 42 Resp: 68863

Ion Ratio Lower Upper

42 100

72 41.5 33.0 49.6

71 38.0 32.0 48.0



#30

Chloroform

Concen: 20.900 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065444.D

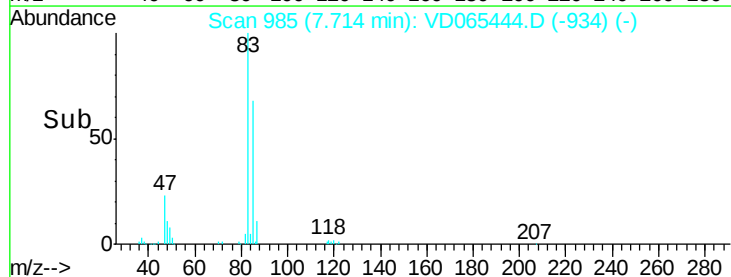
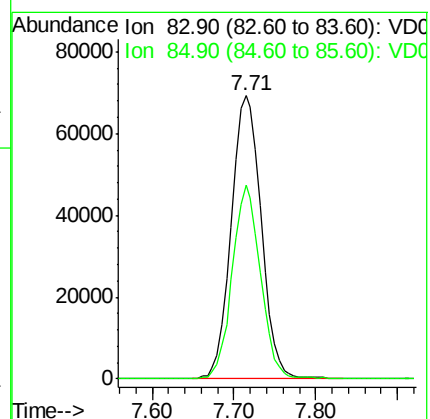
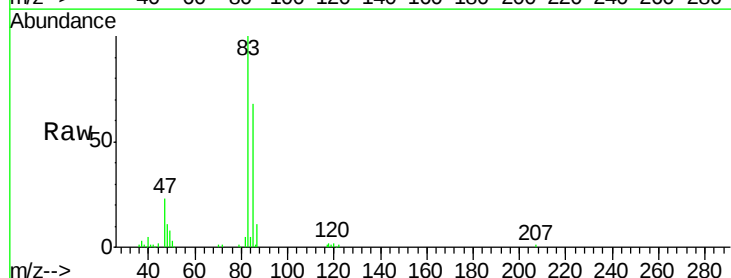
Acq: 09 Mar 2020 12:27

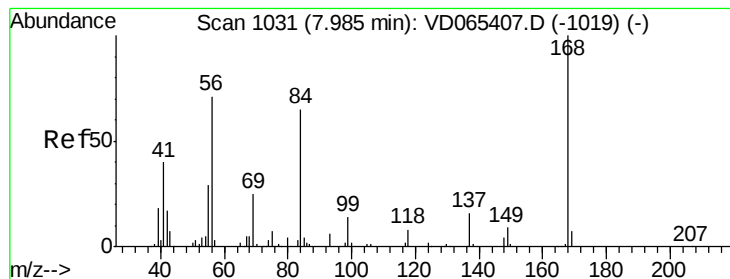
Tgt Ion: 83 Resp: 176905

Ion Ratio Lower Upper

83 100

85 68.3 50.3 75.5





#31

Cyclohexane

Concen: 20.388 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

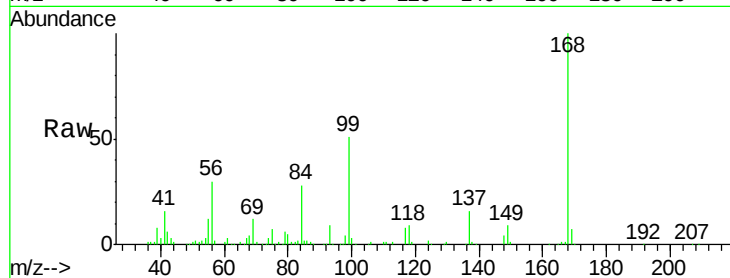
Tot Ion: 56 Resp: 172641

Ion Ratio Lower Upper

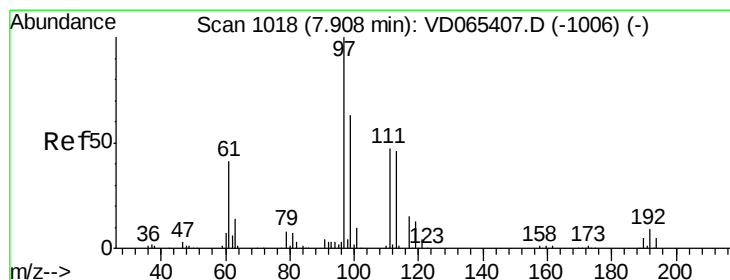
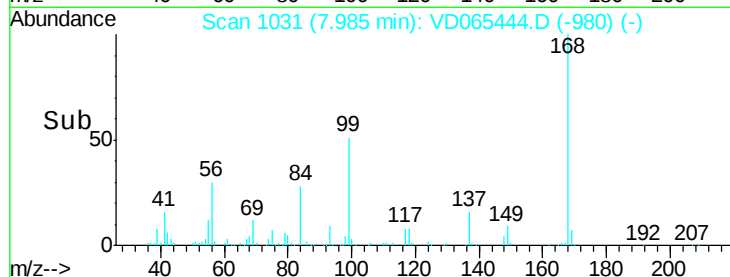
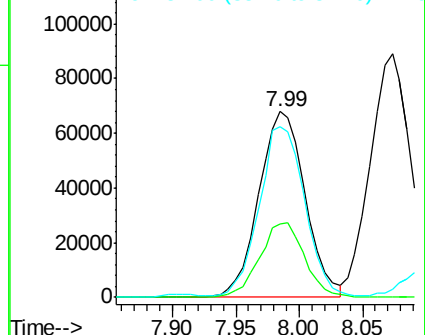
56 100

69 39.7 28.3 42.5

84 90.6 73.1 109.7



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: 20.846 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

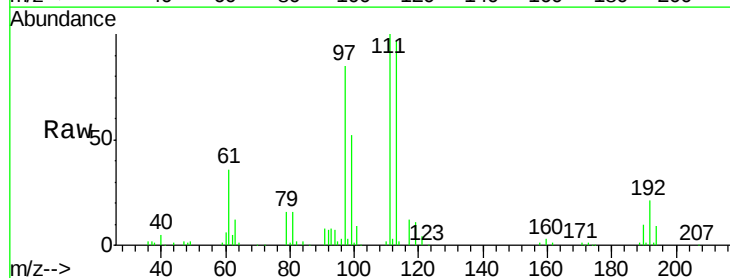
Tgt Ion: 97 Resp: 163054

Ion Ratio Lower Upper

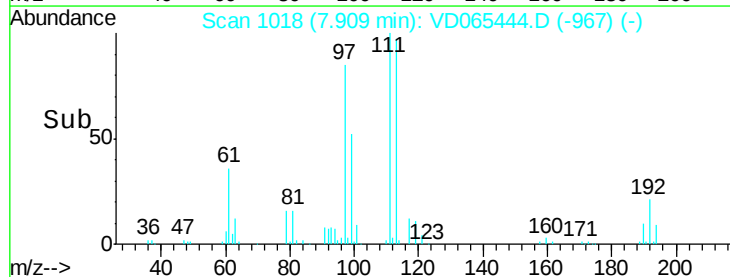
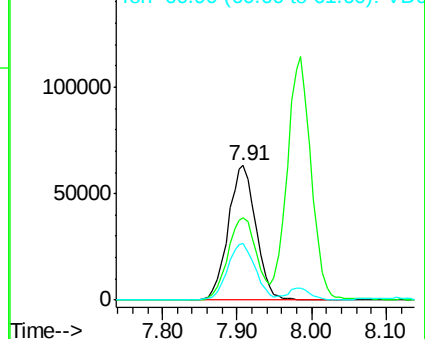
97 100

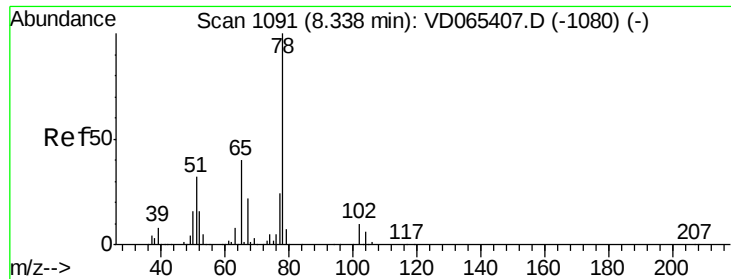
99 63.8 50.9 76.3

61 42.4 33.2 49.8



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

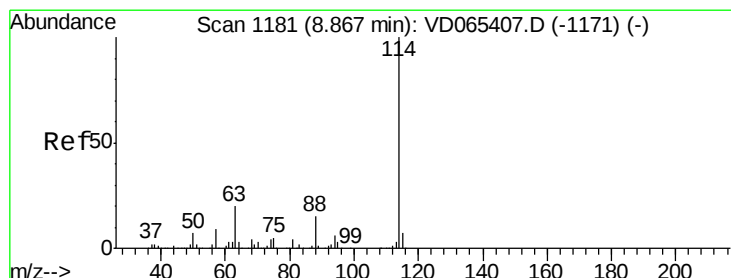
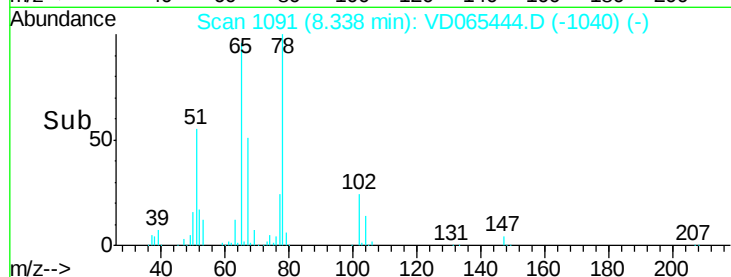
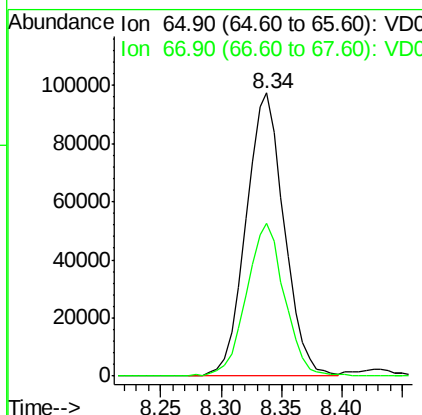
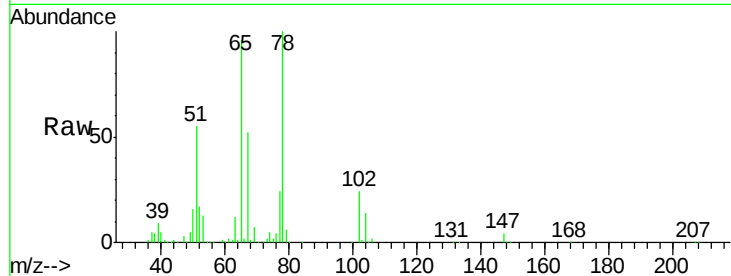




#33
 1,2-Dichloroethane-d4
 Concen: 50.090 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

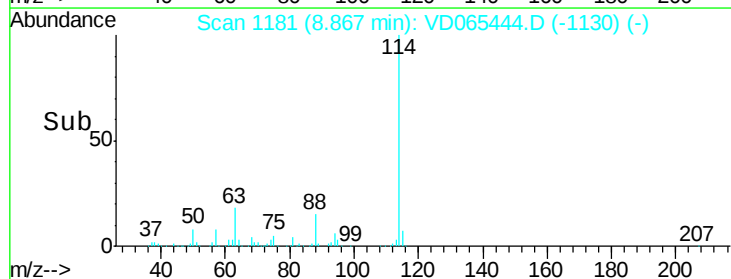
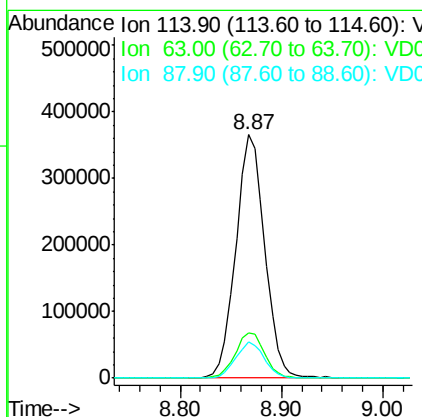
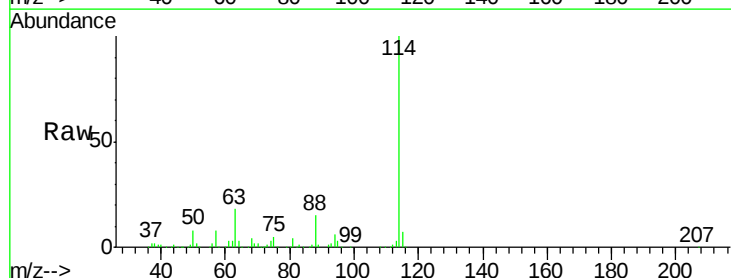
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 213598
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion: 114 Resp: 724955
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 14.7 0.0 30.4

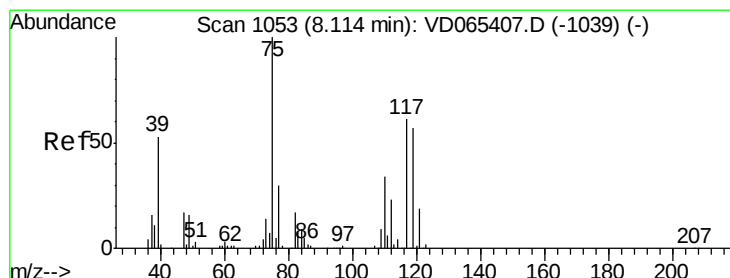
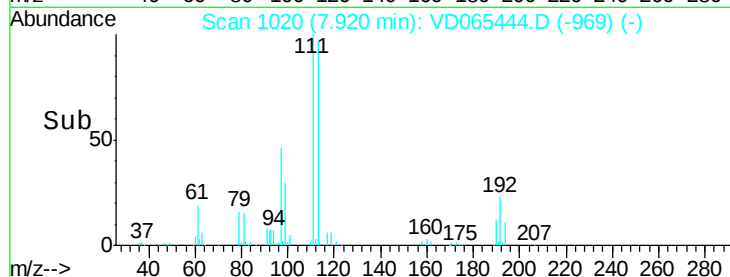
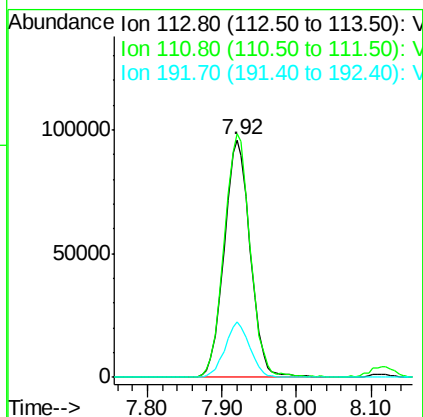
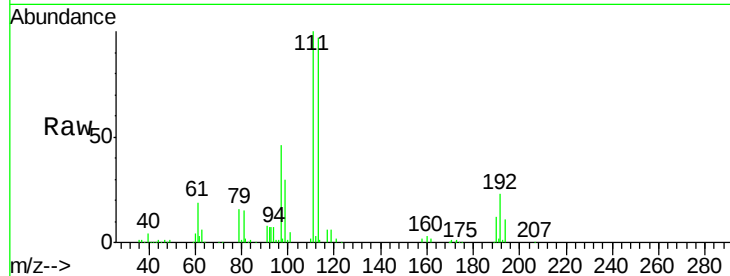




#35
 Dibromofluoromethane
 Concen: 51.898 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

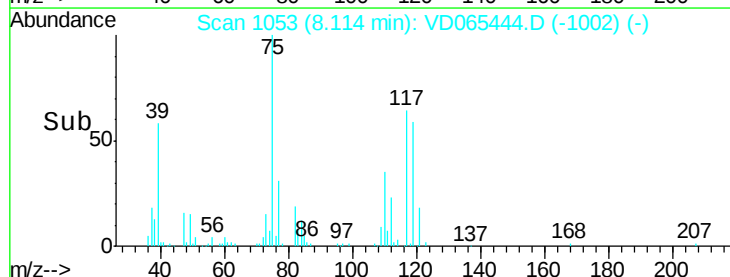
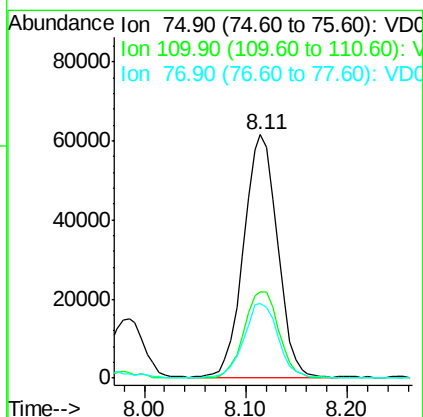
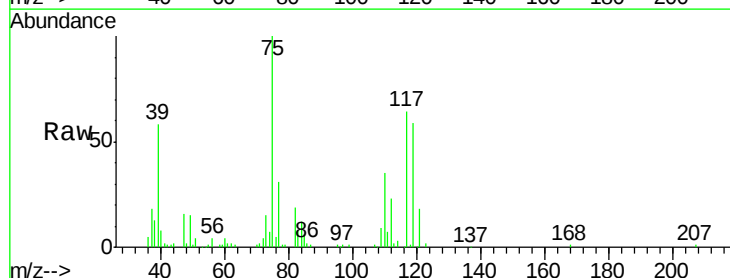
Instrument :
 MSVOA_D
 ClientSampleId :

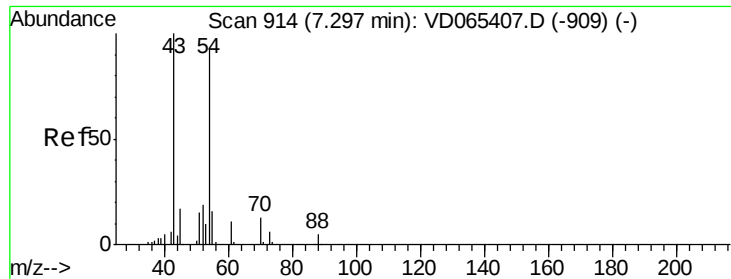
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	22.2	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 20.490 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.4	25.2	37.8

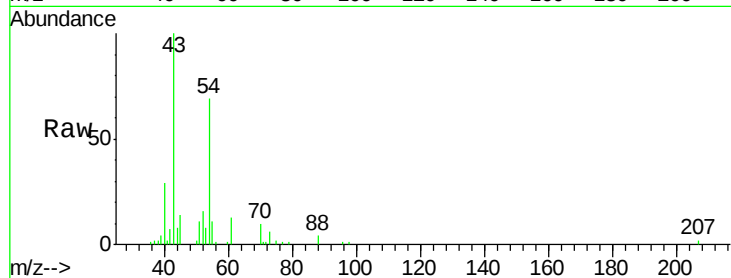




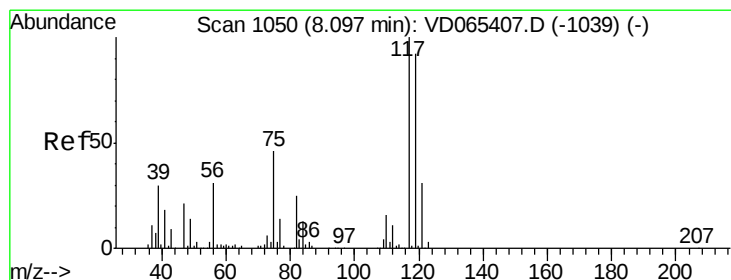
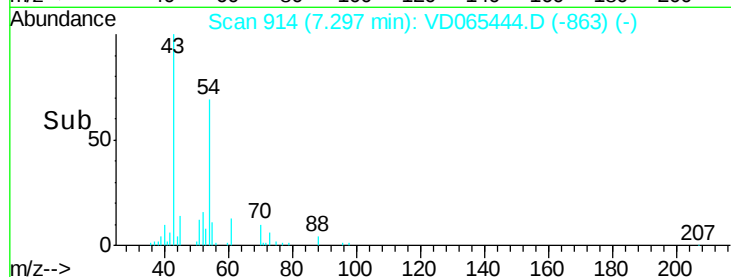
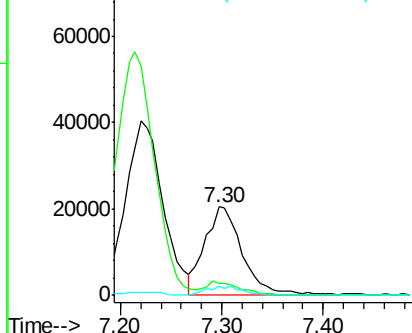
#37
Ethyl Acetate
Concen: 19.740 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 53020
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.0
70 9.4 9.0 13.4

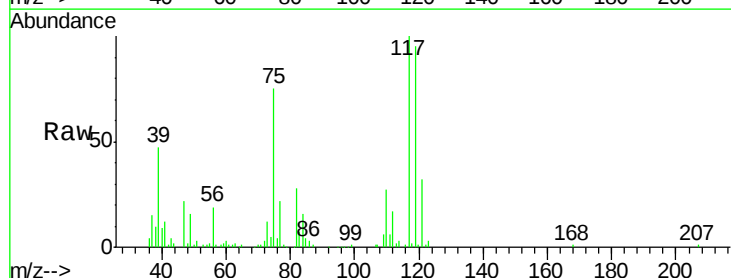


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

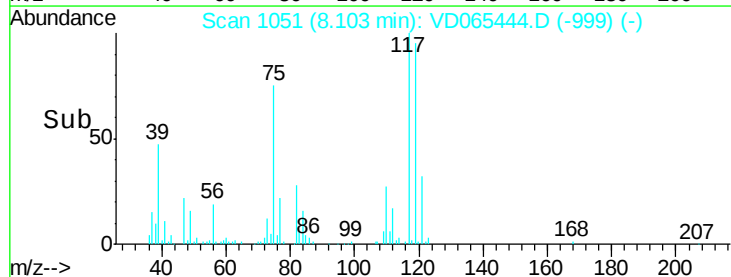
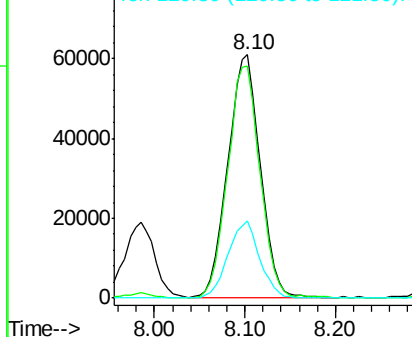


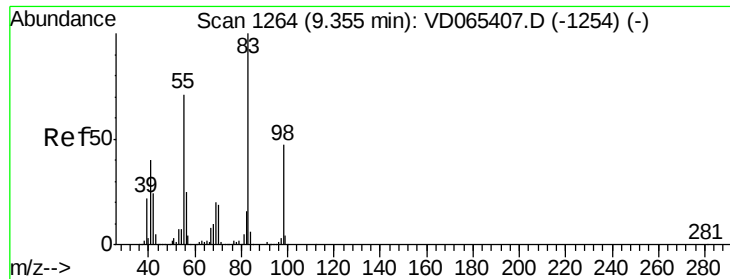
#38
Carbon Tetrachloride
Concen: 21.176 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 117 Resp: 152593
Ion Ratio Lower Upper
117 100
119 95.4 73.3 109.9
121 31.9 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

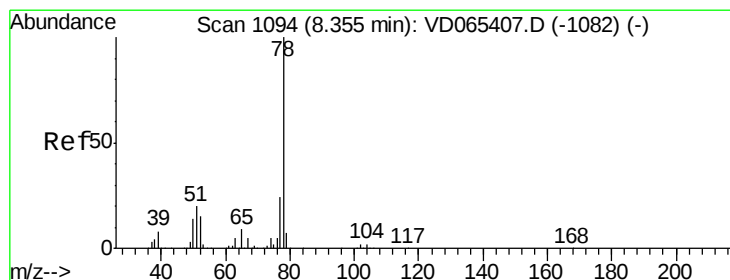
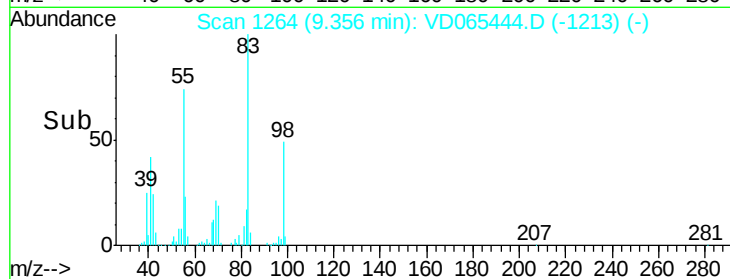
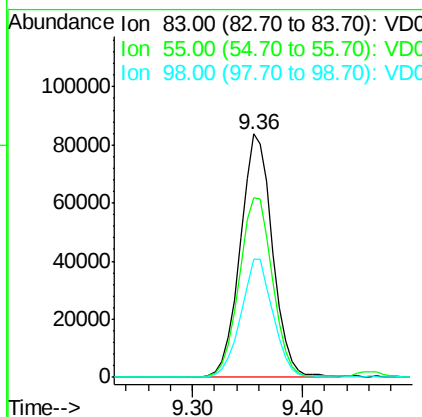
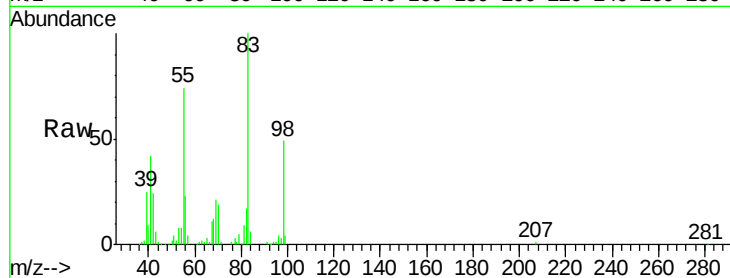




#39
Methvlcvclohexane
Concen: 20.506 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

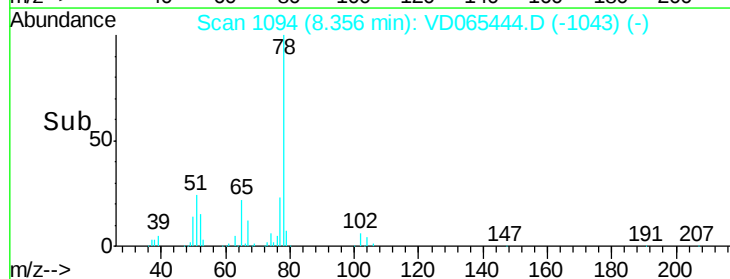
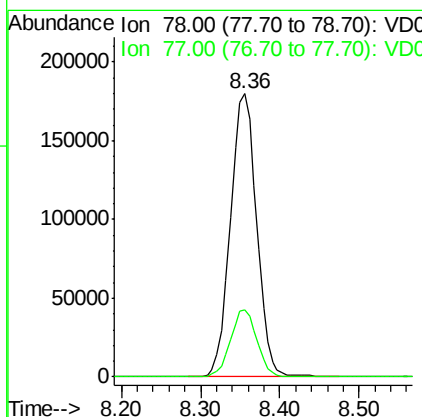
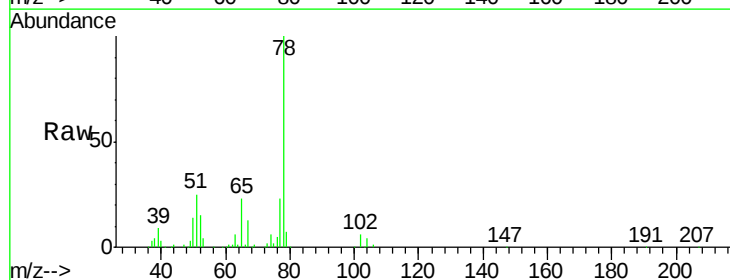
Instrument :
MSVOA_D
ClientSampled :

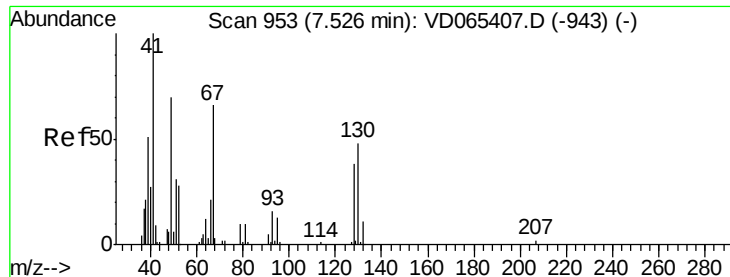
Tot Ion: 83 Resp: 172105
Ion Ratio Lower Upper
83 100
55 74.0 57.1 85.7
98 48.7 37.8 56.8



#40
Benzene
Concen: 21.283 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 78 Resp: 413528
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0





#41

Methacrylonitrile

Concen: 16.178 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 22981

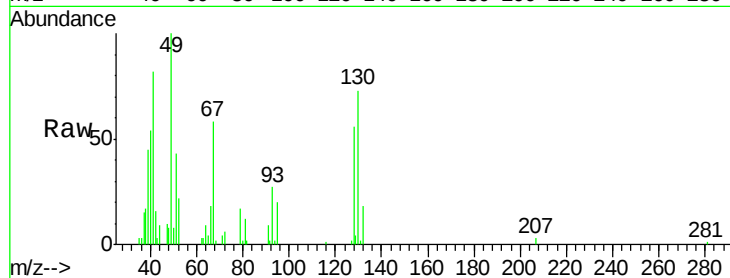
Ion Ratio Lower Upper

41 100

39 73.8 55.0 82.6

67 91.1 70.3 105.5

52 39.4 30.7 46.1

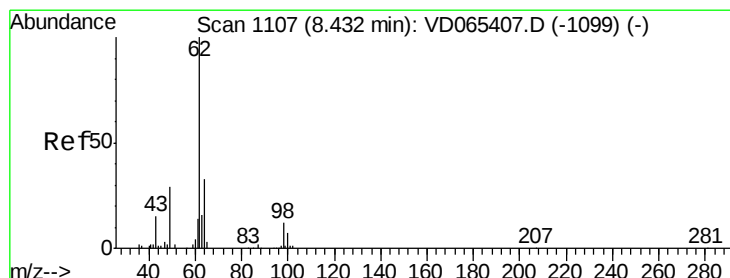
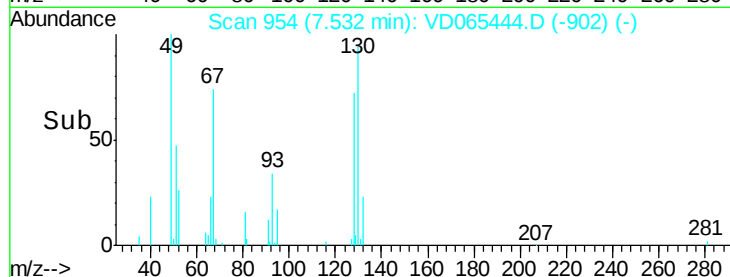
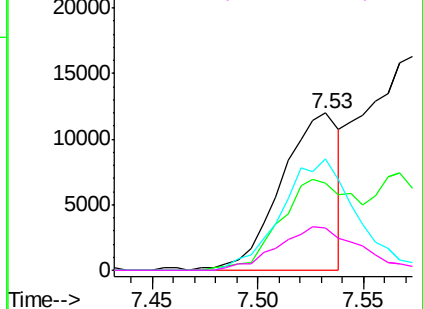


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.488 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065444.D

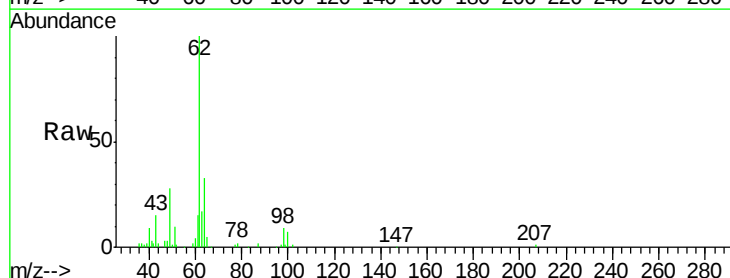
Acq: 09 Mar 2020 12:27

Tgt Ion: 62 Resp: 103945

Ion Ratio Lower Upper

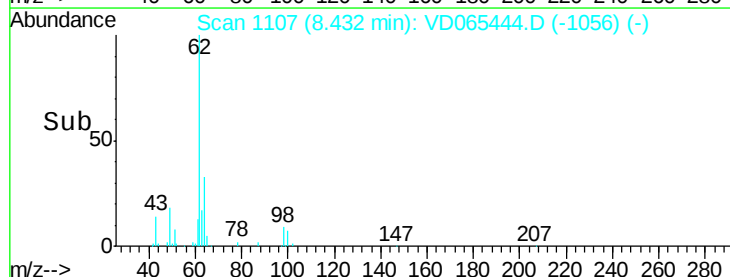
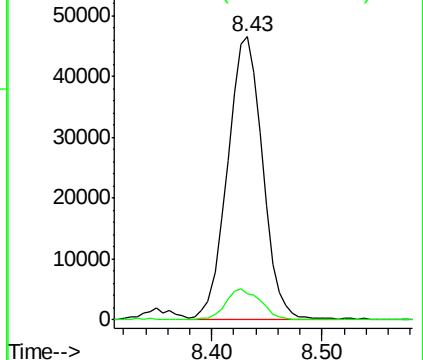
62 100

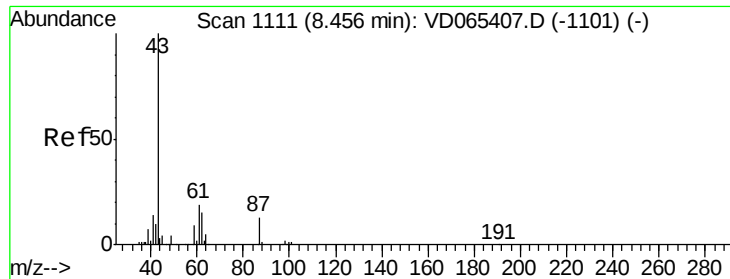
98 10.9 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.812 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

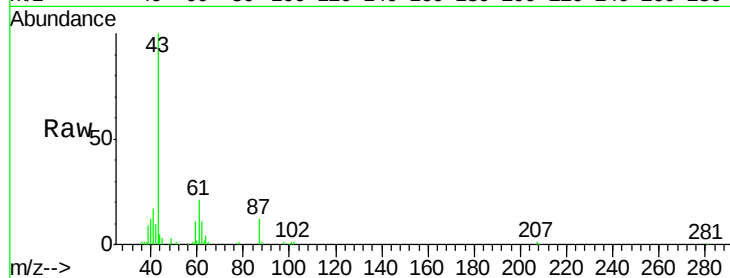
Tot Ion: 43 Resp: 93295

Ion Ratio Lower Upper

43 100

61 32.2 25.0 37.6

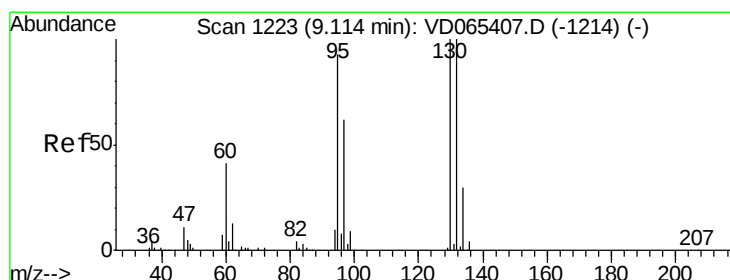
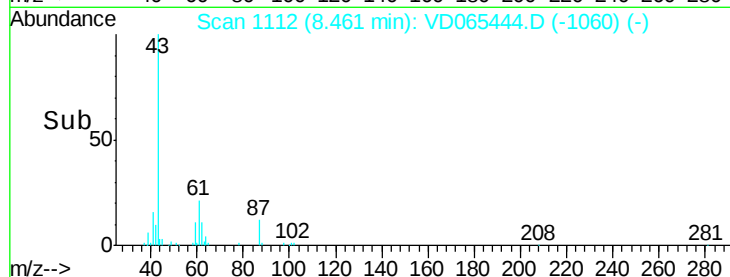
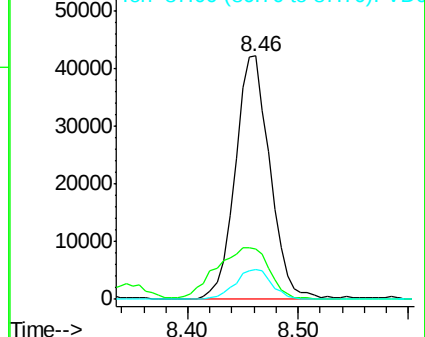
87 12.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.237 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065444.D

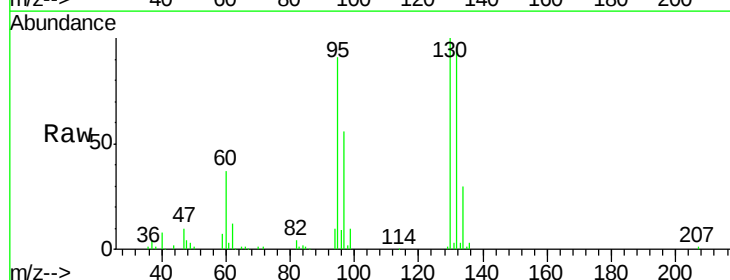
Acq: 09 Mar 2020 12:27

Tgt Ion: 130 Resp: 116527

Ion Ratio Lower Upper

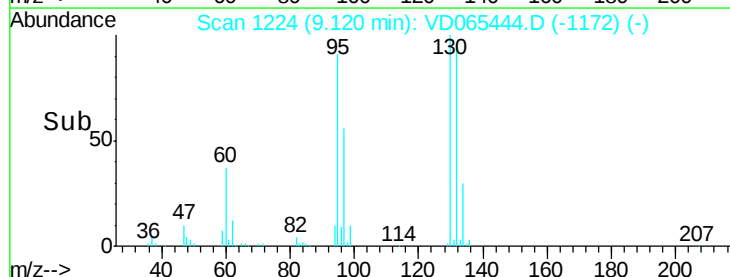
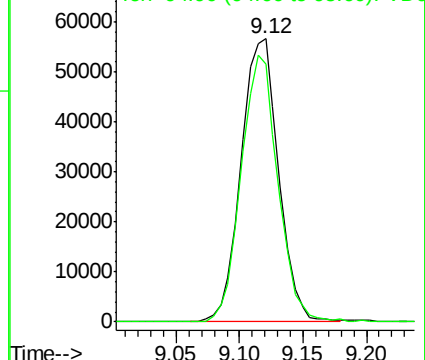
130 100

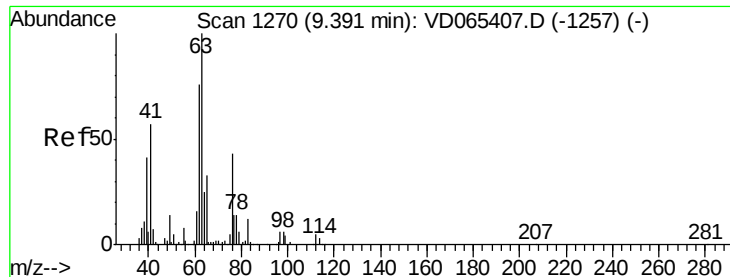
95 90.8 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.708 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

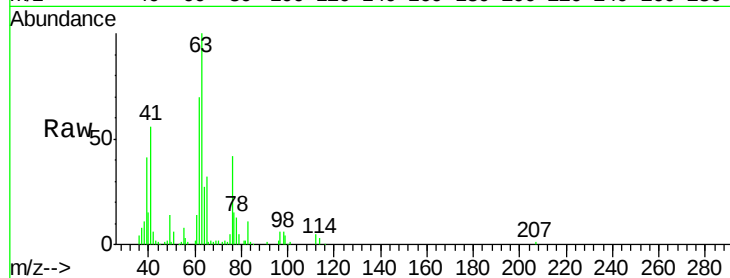
ClientSampled :

Tot Ion: 63 Resp: 97462

Ion Ratio Lower Upper

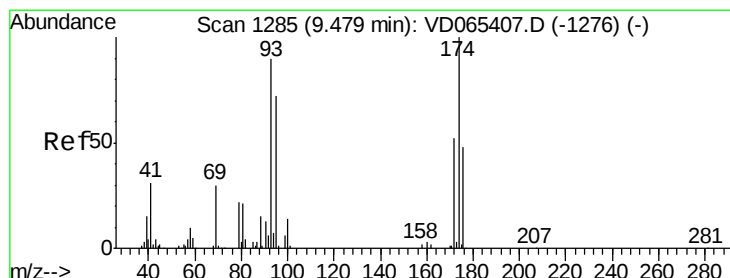
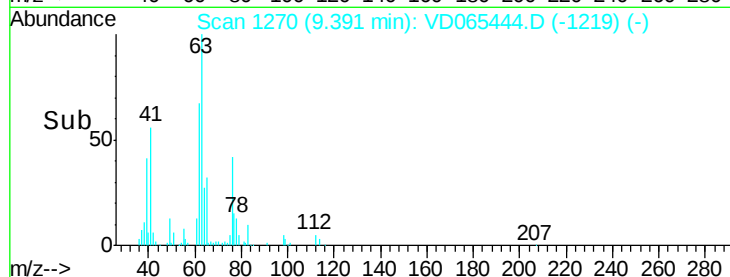
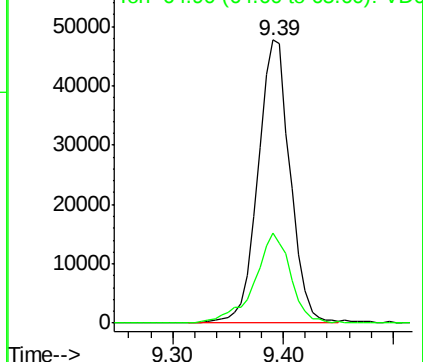
63 100

65 31.7 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.361 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

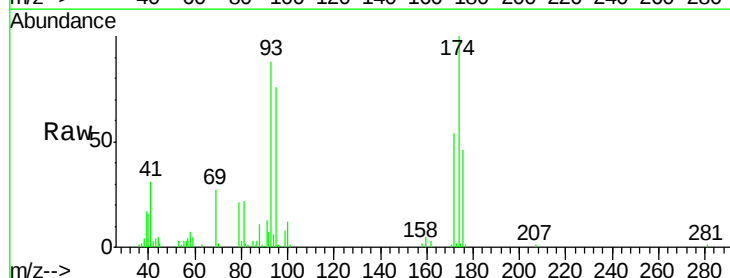
Tgt Ion: 93 Resp: 49706

Ion Ratio Lower Upper

93 100

95 85.3 65.0 97.6

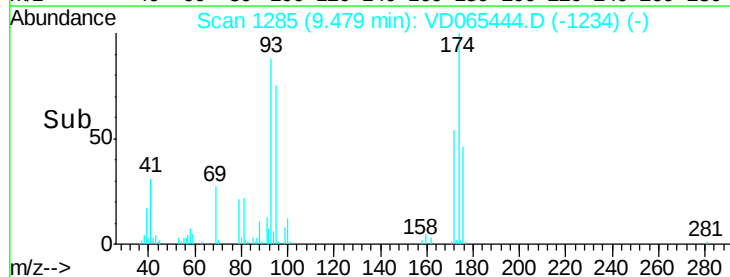
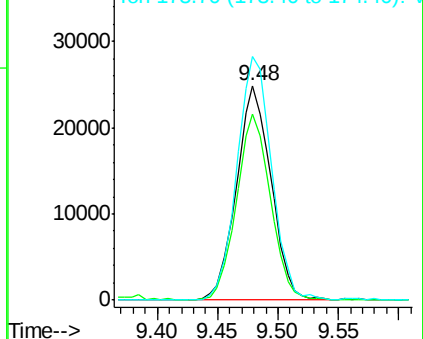
174 114.0 88.3 132.5



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: 21.075 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

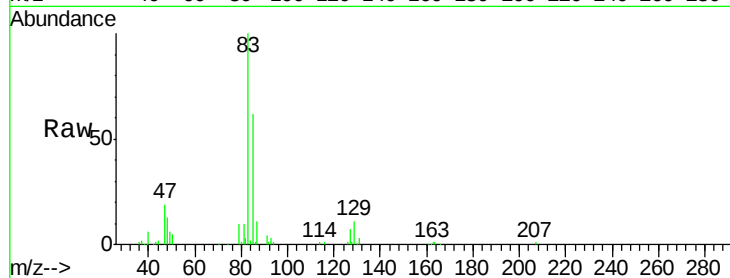
Tot Ion: 83 Resp: 133850

Ion Ratio Lower Upper

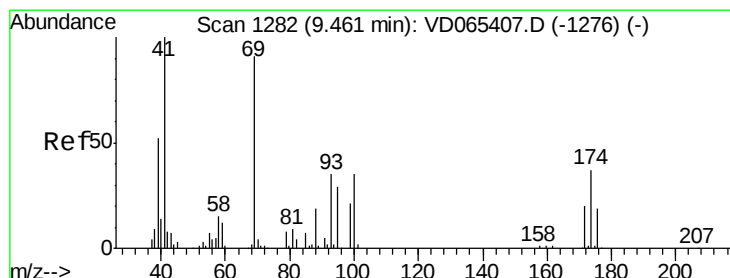
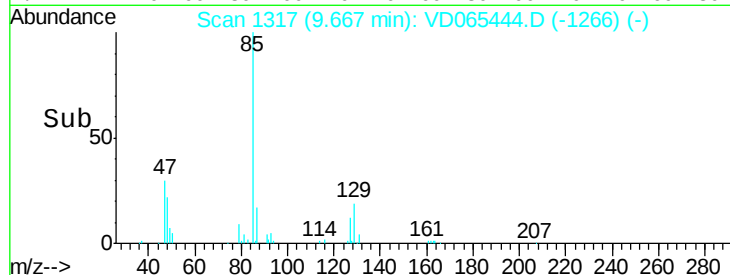
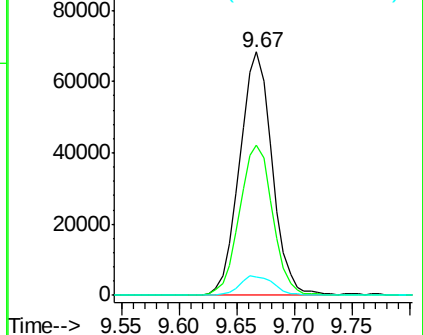
83 100

85 61.6 52.8 79.2

127 7.4 8.0 12.0#



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



#48

Methyl methacrylate

Concen: 19.187 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

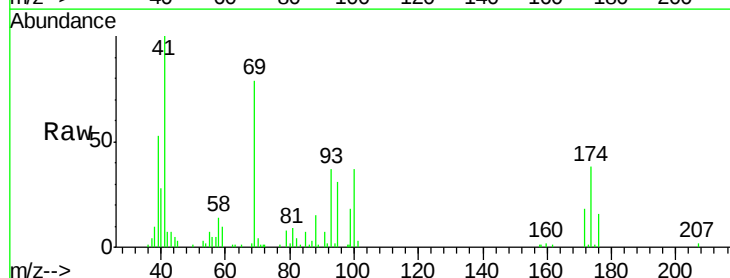
Tgt Ion: 41 Resp: 44762

Ion Ratio Lower Upper

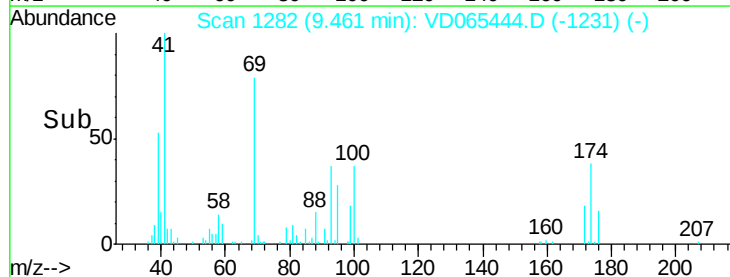
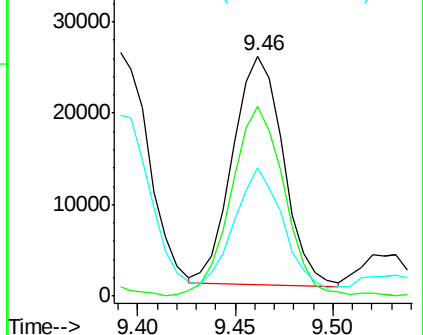
41 100

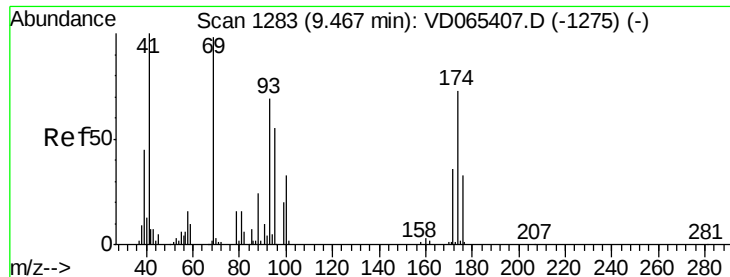
69 87.9 72.5 108.7

39 49.7 41.6 62.4



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

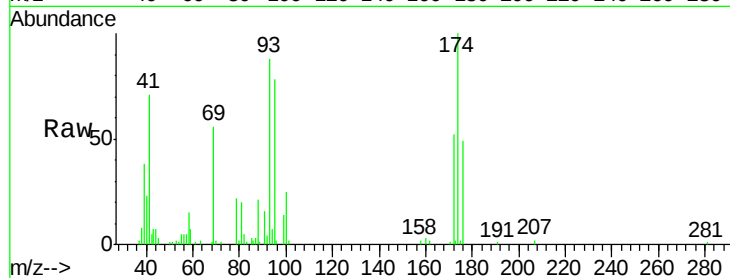




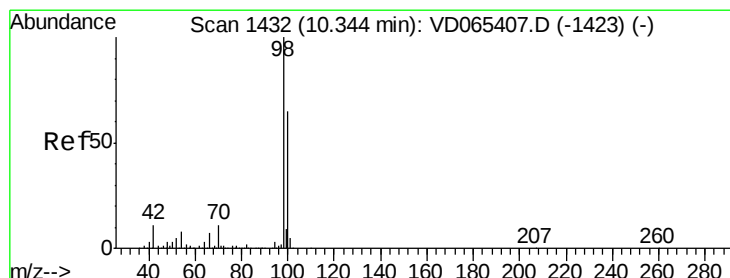
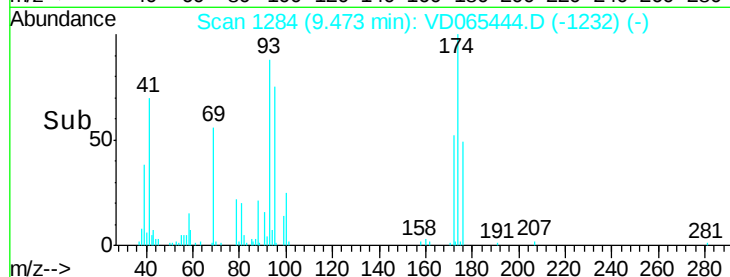
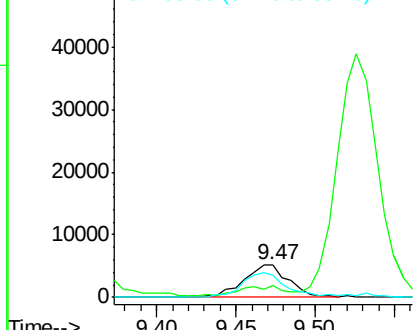
#49
1,4-Dioxane
Concen: 362.154 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 10113
Ion Ratio Lower Upper
88 100
43 37.7 24.5 36.7#
58 75.7 54.5 81.7

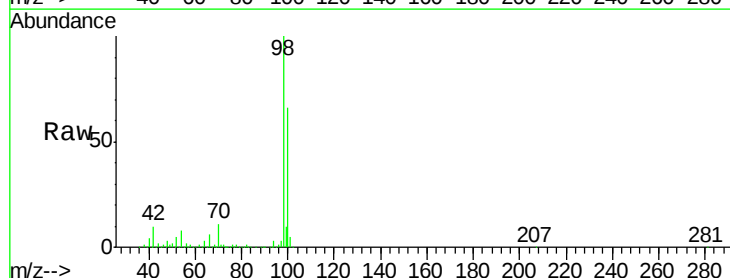


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

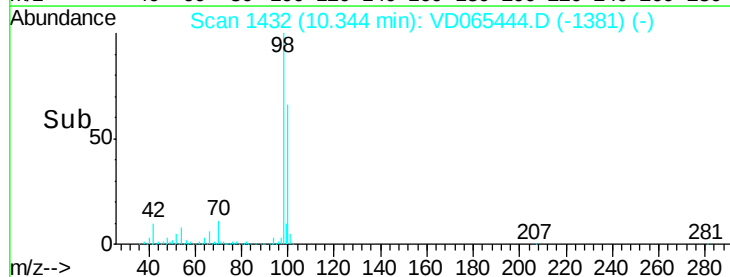
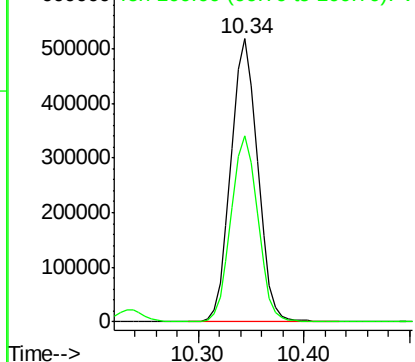


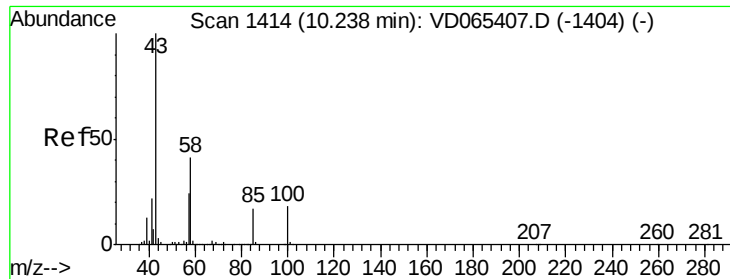
#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 98 Resp: 911113
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



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

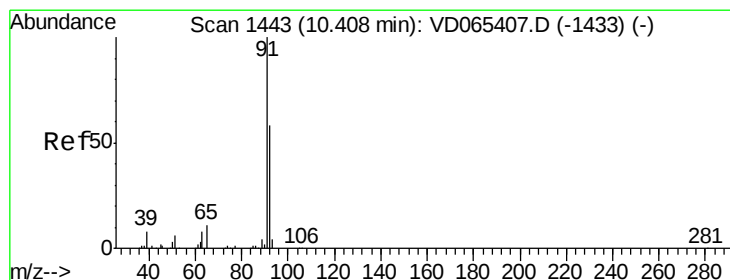
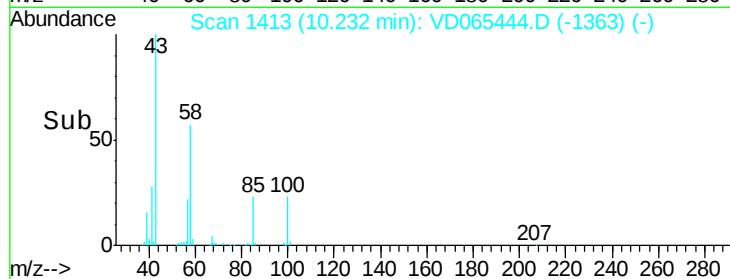
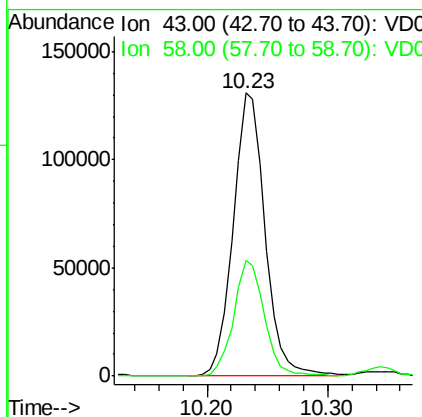
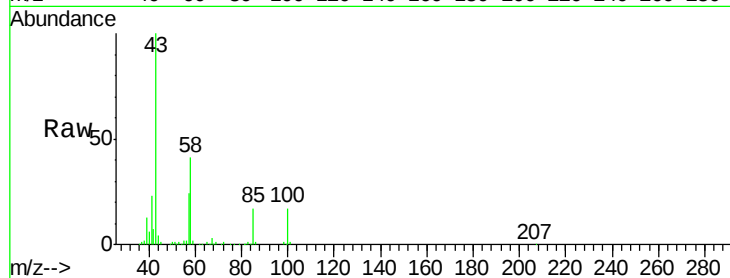




#51
4-Methyl-2-Pentanone
Concen: 96.679 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

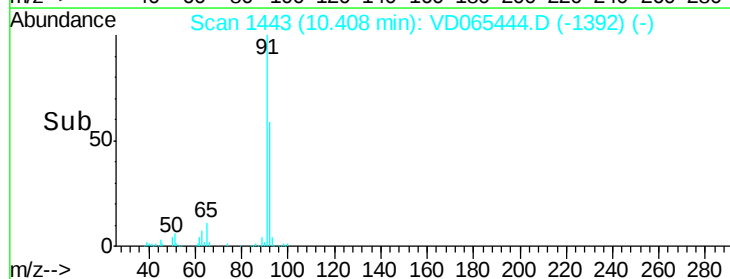
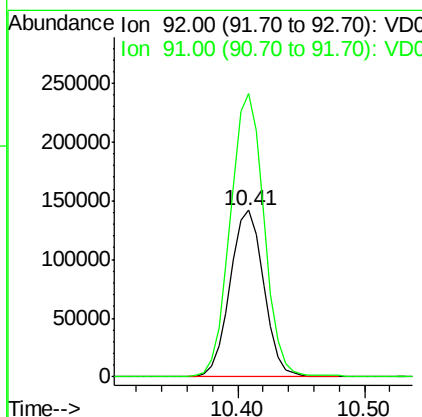
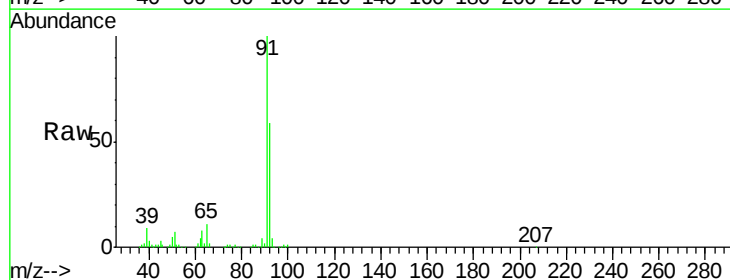
Instrument :
MSVOA_D
ClientSampleId :

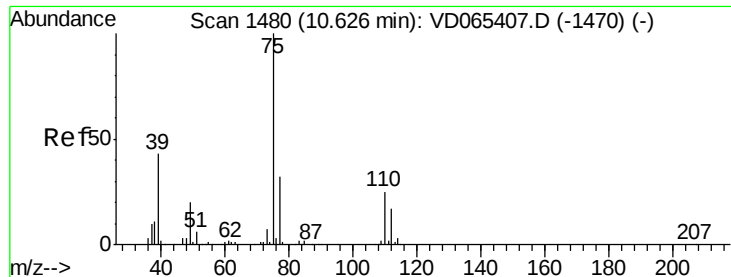
Tot Ion: 43 Resp: 241283
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.6



#52
Toluene
Concen: 21.367 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 92 Resp: 261533
Ion Ratio Lower Upper
92 100
91 170.1 137.8 206.8

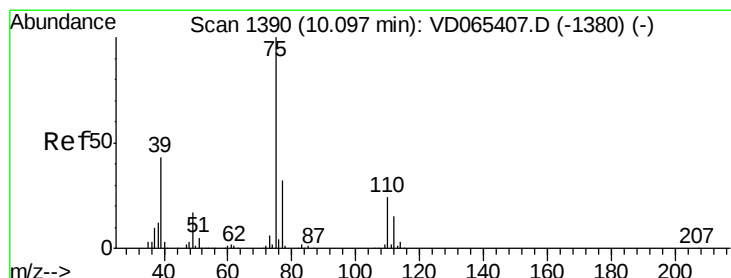
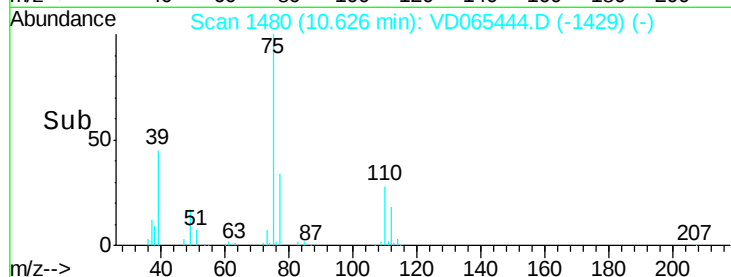
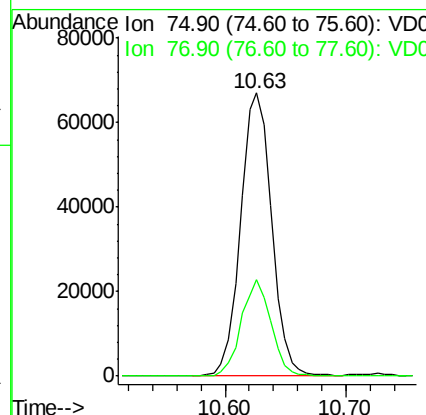
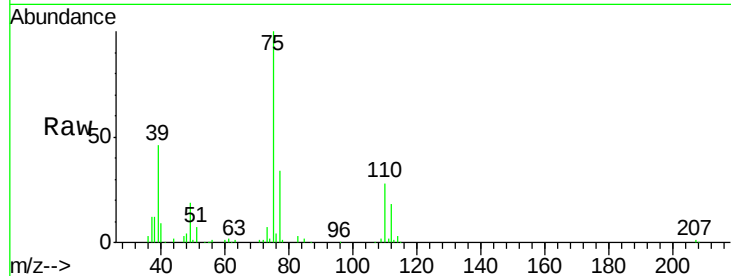




#53
 t-1,3-Dichloropropene
 Concen: 20.335 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

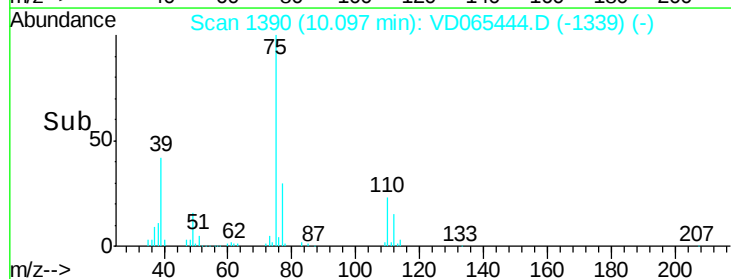
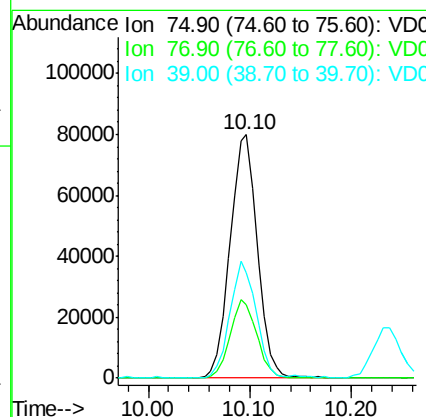
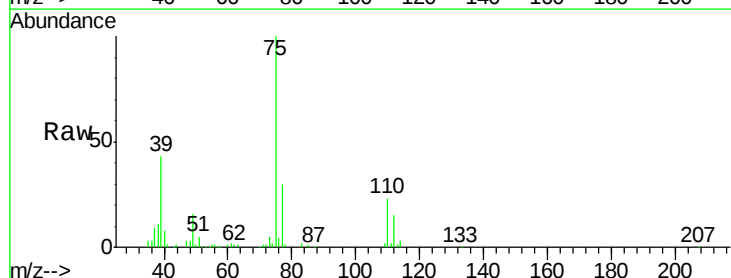
Instrument :
 MSVOA_D
 ClientSampleId :

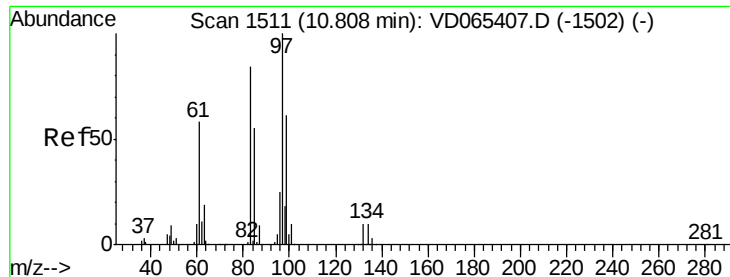
Tot Ion: 75 Resp: 120692
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.822 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion: 75 Resp: 149585
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.3 37.9
 39 42.8 34.6 52.0





#55

1,1,2-Trichloroethane

Concen: 20.235 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 69967

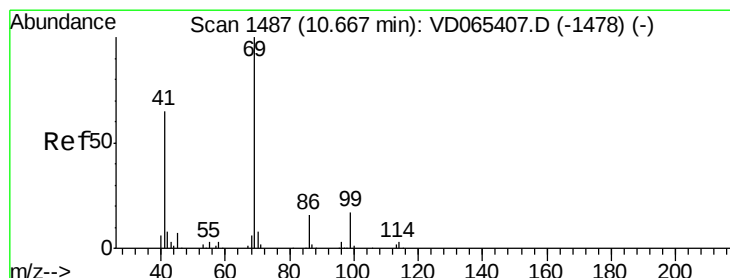
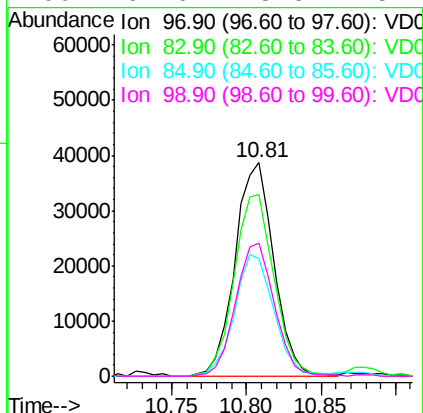
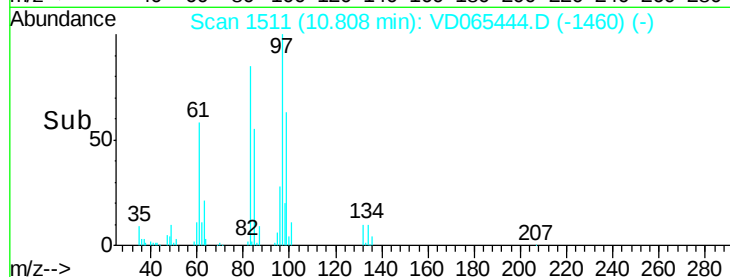
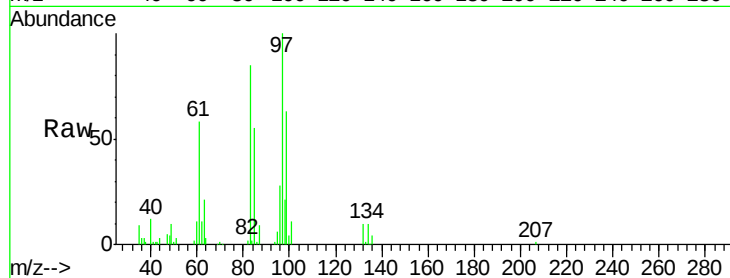
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.4	101.0
85	55.0	43.8	65.8
99	62.6	48.8	73.2

97 100

83 84.9 67.4 101.0

85 55.0 43.8 65.8

99 62.6 48.8 73.2



#56

Ethyl methacrylate

Concen: 19.058 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

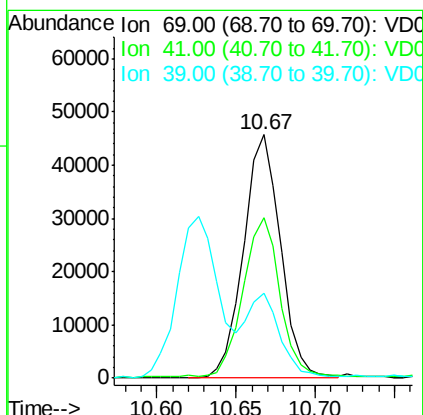
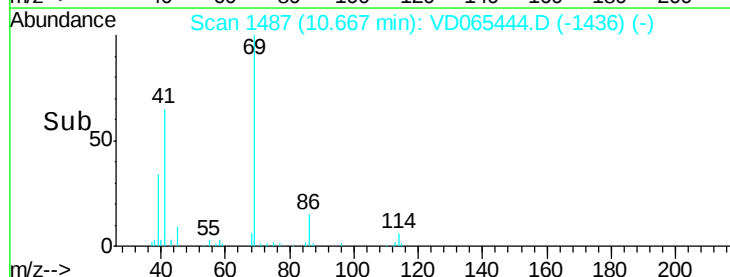
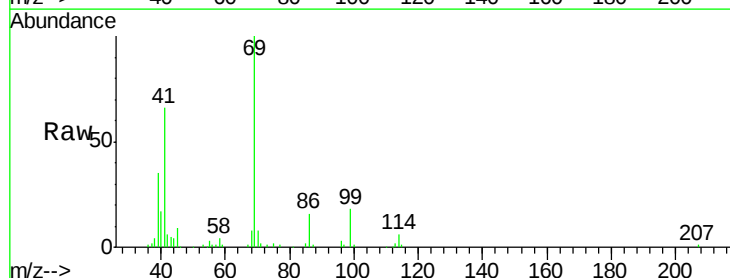
Tgt Ion: 69 Resp: 74289

Ion	Ratio	Lower	Upper
69	100		
41	68.5	53.0	79.6
39	30.5	26.0	39.0

69 100

41 68.5 53.0 79.6

39 30.5 26.0 39.0





#57

1,3-Dichloropropane

Concen: 20.693 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

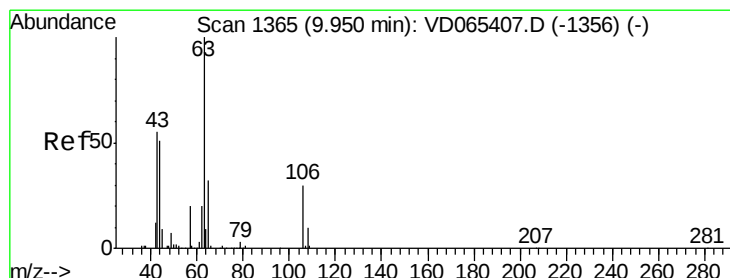
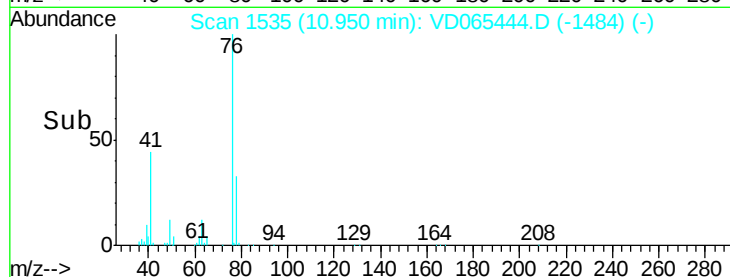
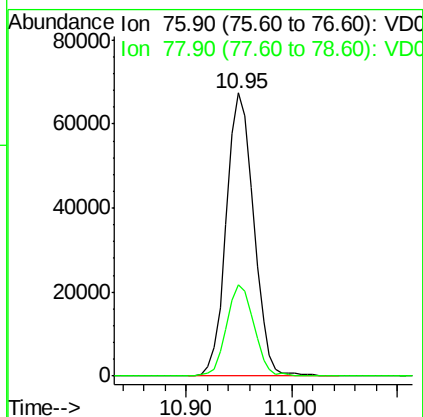
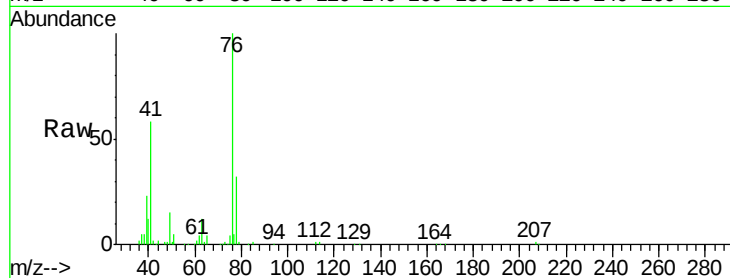
ClientSampleId :

Tot Ion: 76 Resp: 121058

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 109.384 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065444.D

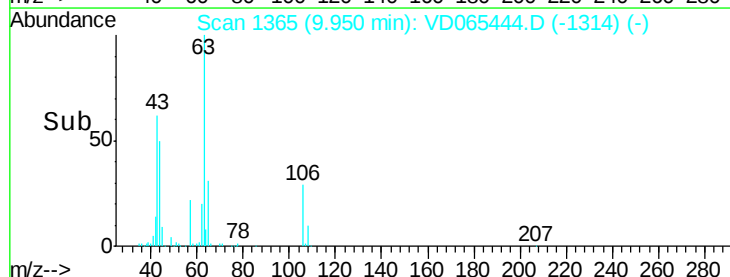
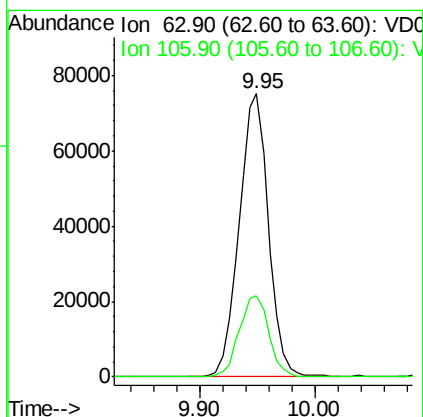
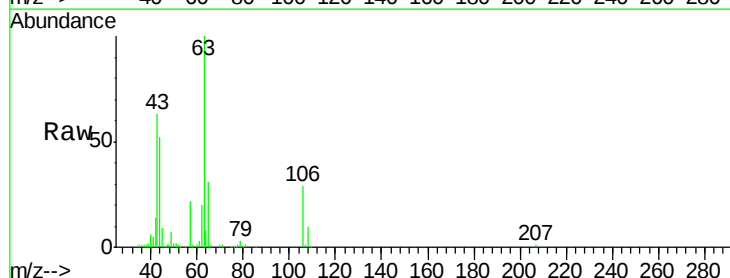
Acq: 09 Mar 2020 12:27

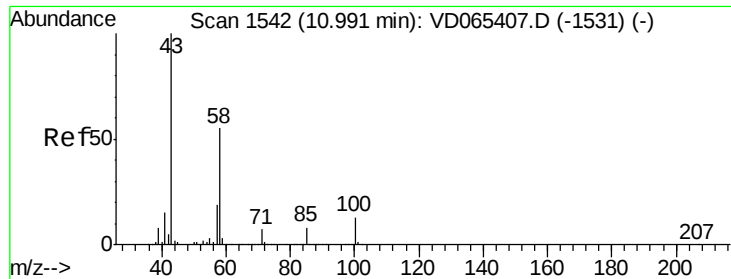
Tgt Ion: 63 Resp: 131753

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9

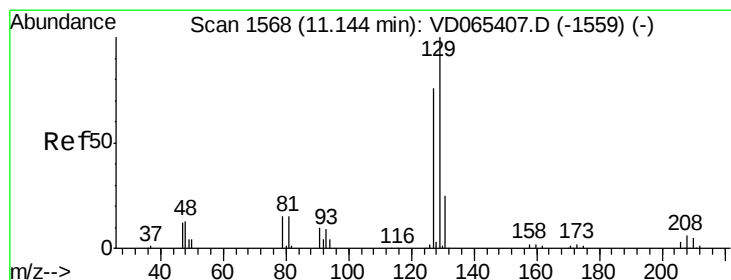
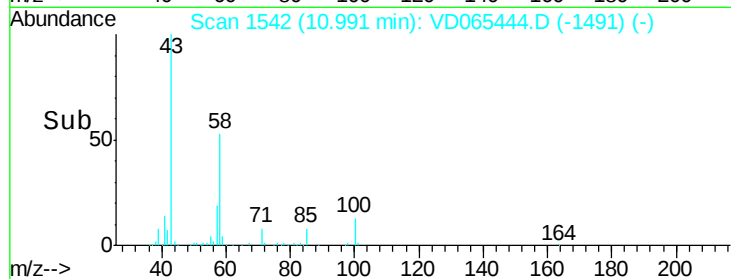
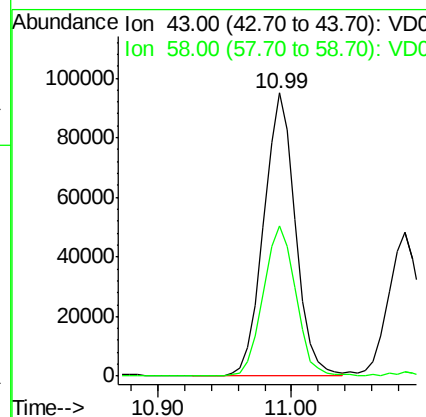
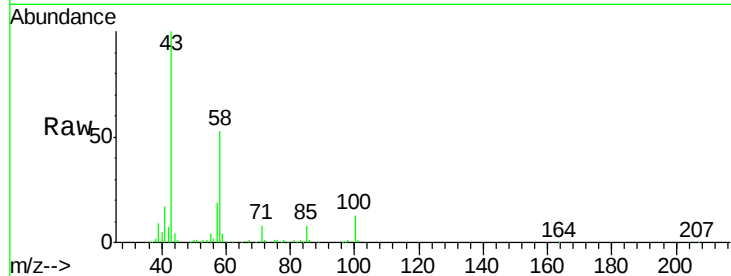




#59
2-Hexanone
Concen: 90.132 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

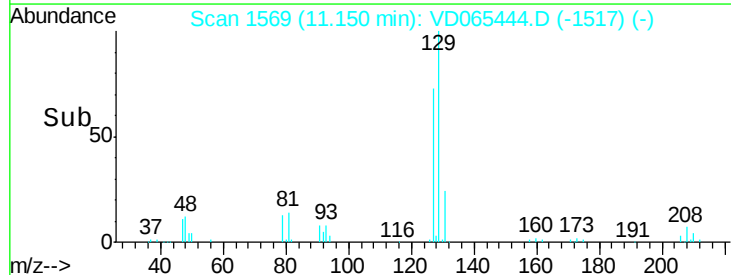
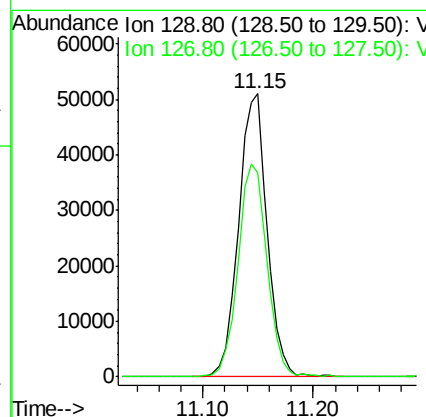
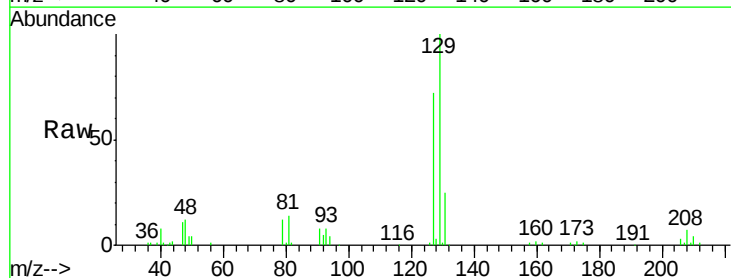
Instrument :
MSVOA_D
ClientSampleId :

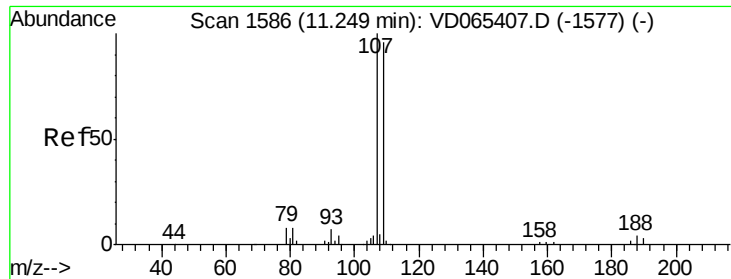
Tot Ion: 43 Resp: 155715
Ion Ratio Lower Upper
43 100
58 54.6 27.4 82.2



#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 129 Resp: 92335
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

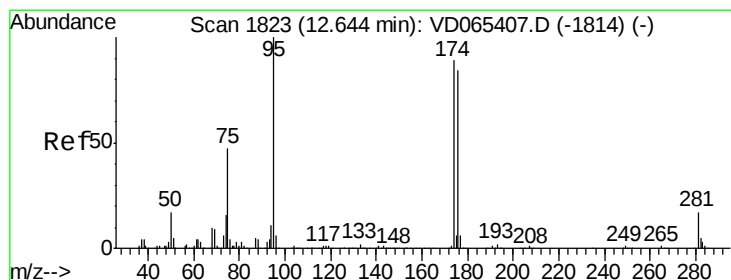
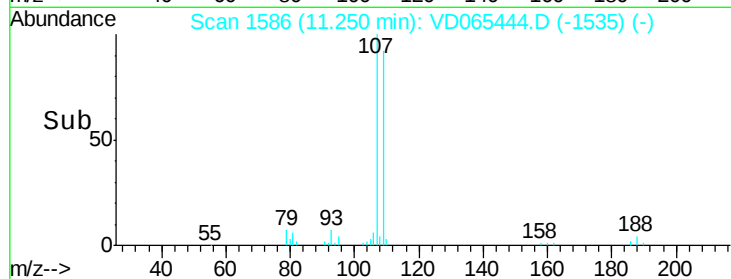
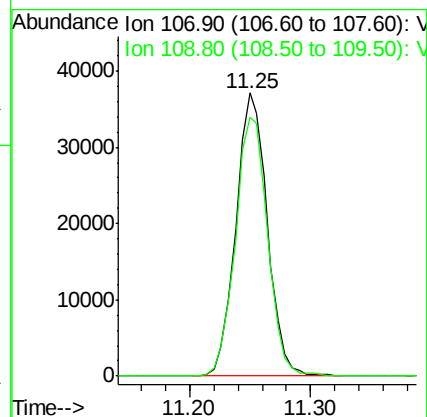
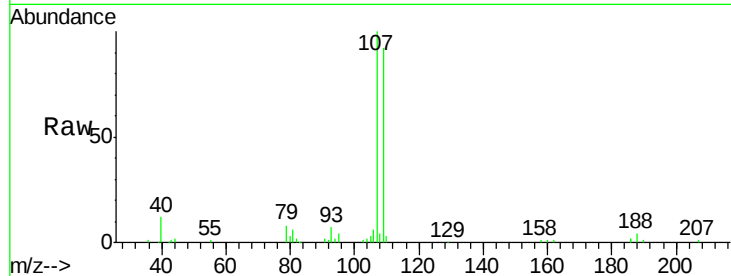




#61
 1,2-Dibromoethane
 Concen: 20.380 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

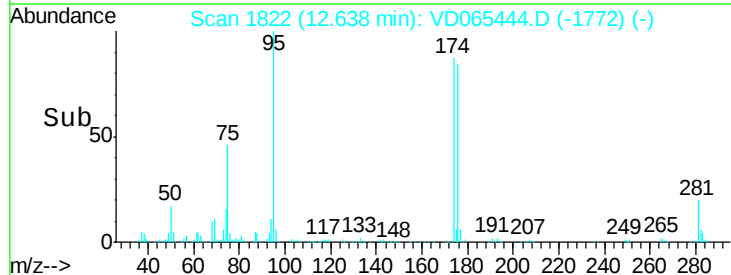
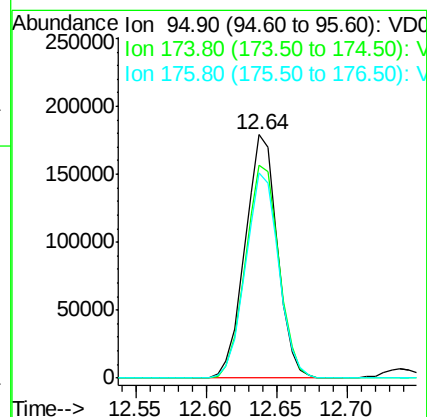
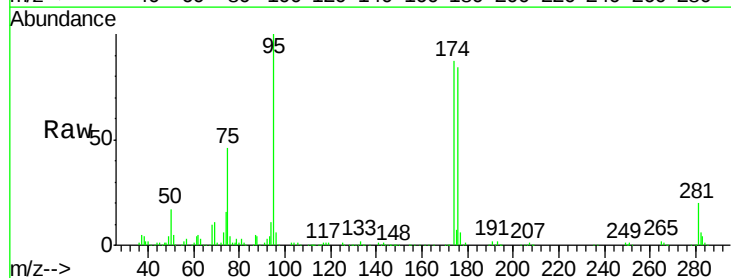
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 67214
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.158 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion: 95 Resp: 287553
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 176.8
 176 86.6 0.0 171.4

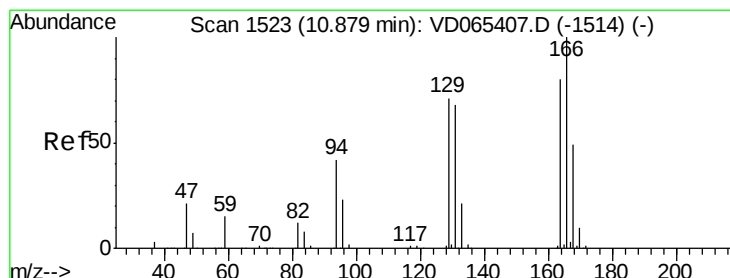
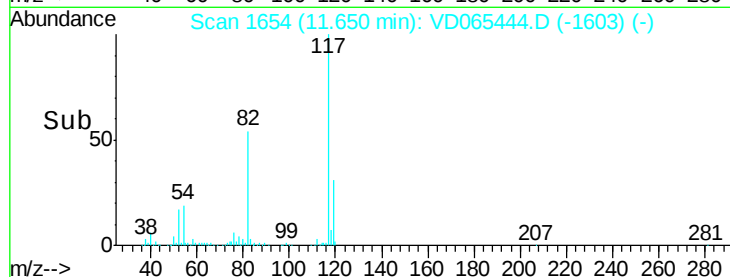
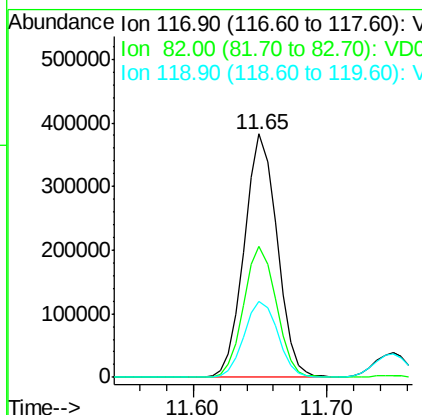
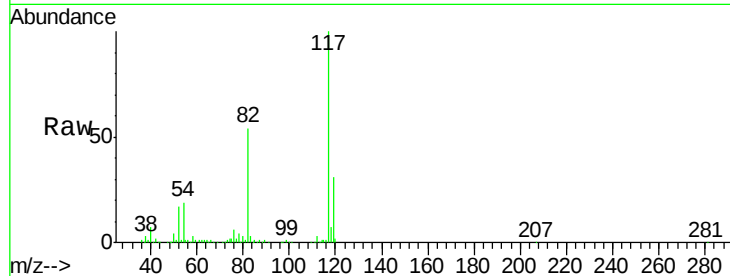




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

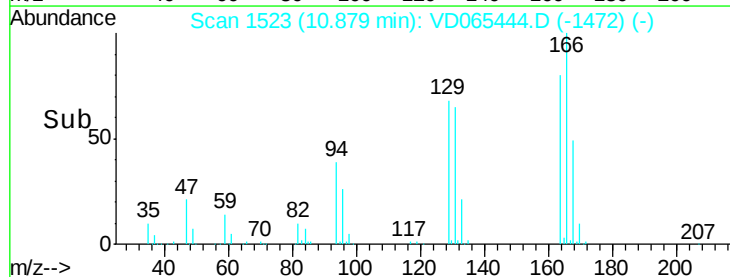
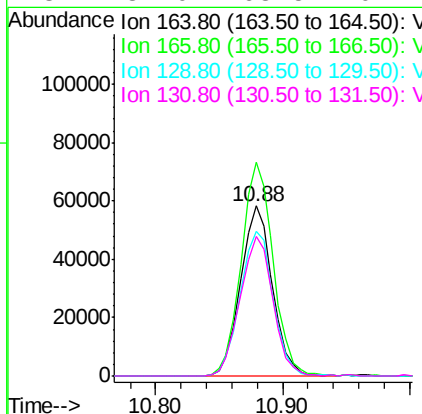
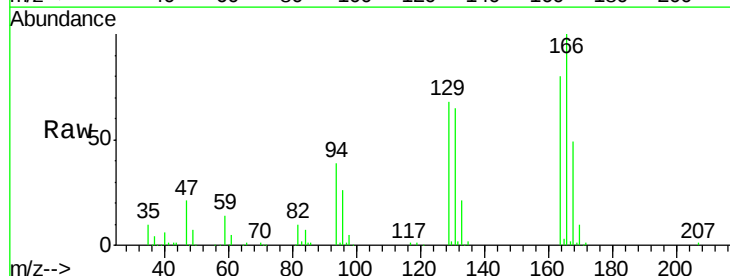
Instrument :
MSVOA_D
ClientSampleId :

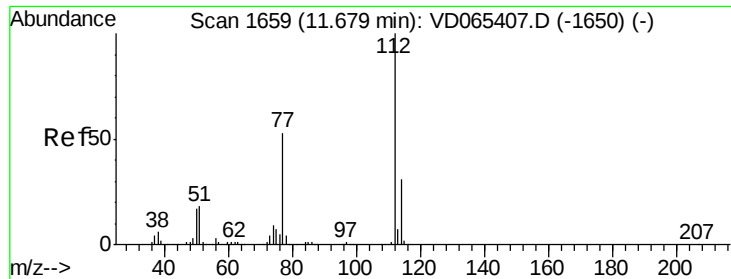
Tot Ion:117 Resp: 652524
Ion Ratio Lower Upper
117 100
82 53.6 40.6 60.8
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 21.656 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion:164 Resp: 101257
Ion Ratio Lower Upper
164 100
166 125.6 100.5 150.7
129 84.9 71.5 107.3
131 82.0 68.5 102.7

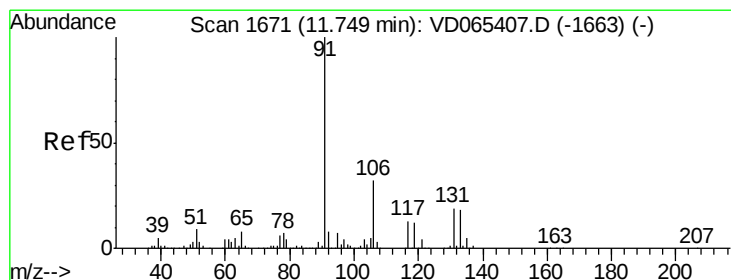
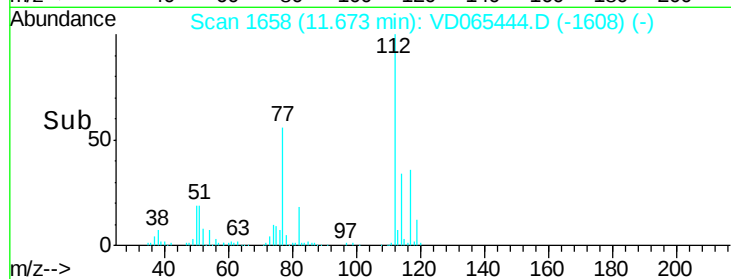
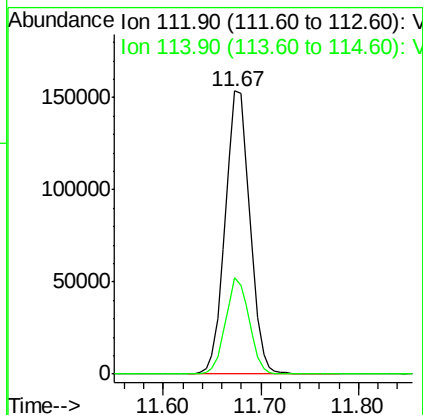
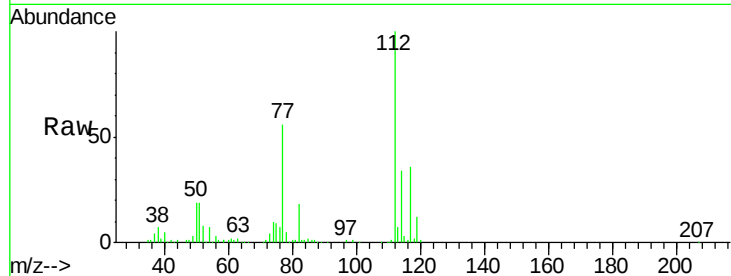




#65
Chlorobenzene
Concen: 20.974 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

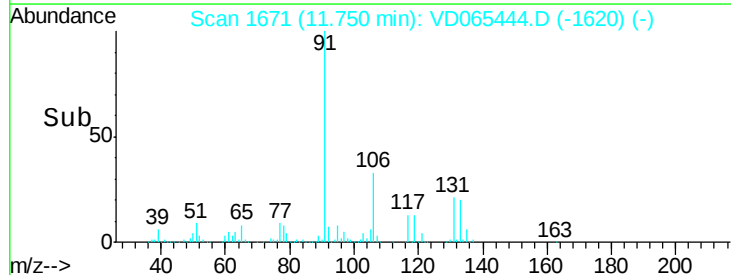
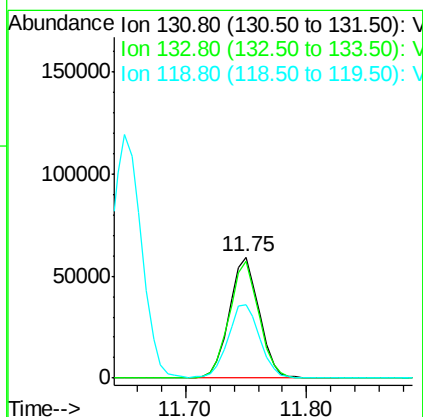
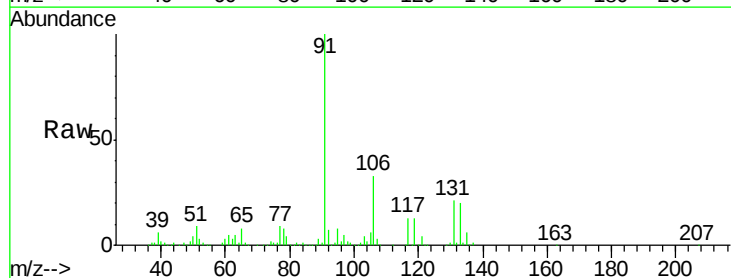
Instrument :
MSVOA_D
ClientSampleId :

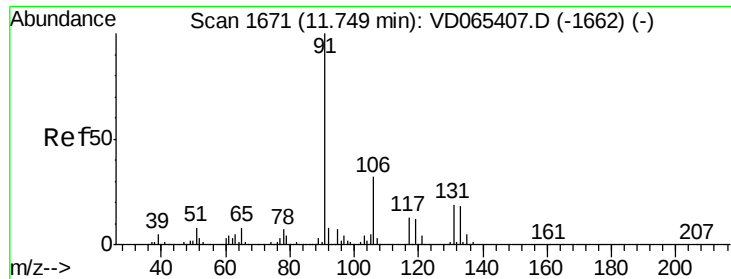
Tot Ion:112 Resp: 270830
Ion Ratio Lower Upper
112 100
114 34.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.692 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion:131 Resp: 102013
Ion Ratio Lower Upper
131 100
133 96.2 49.2 147.6
119 65.0 33.3 99.8

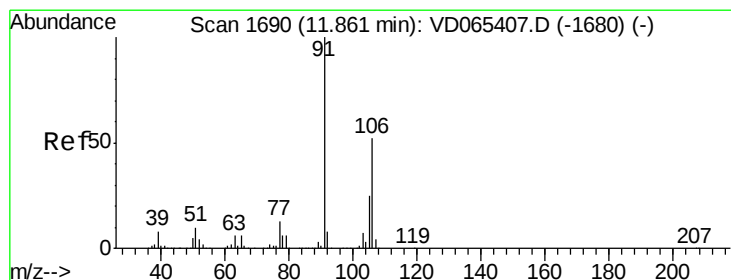
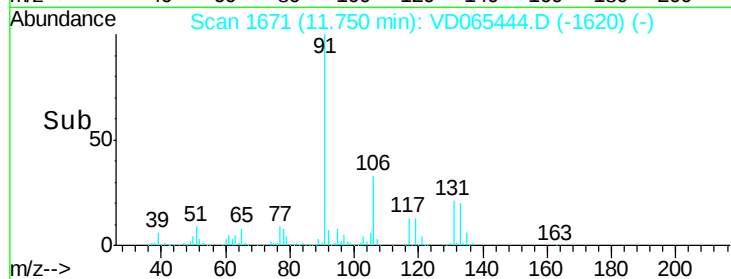
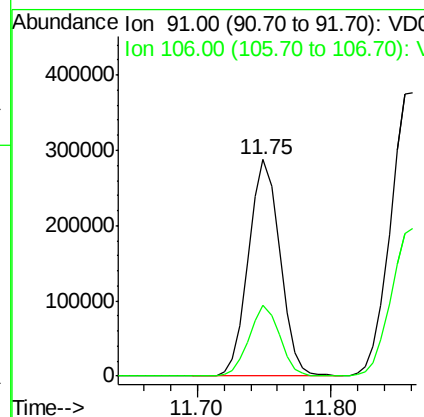
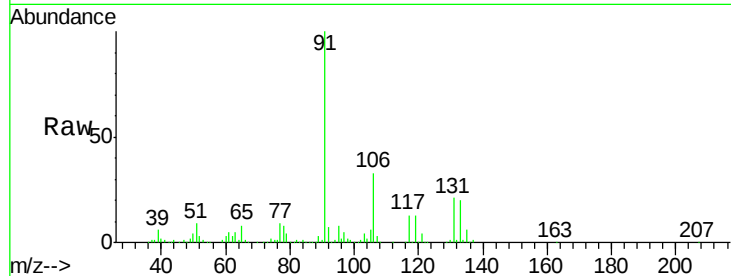




#67
Ethyl Benzene
Concen: 21.088 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

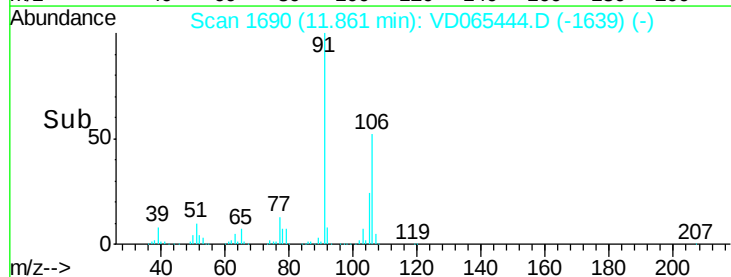
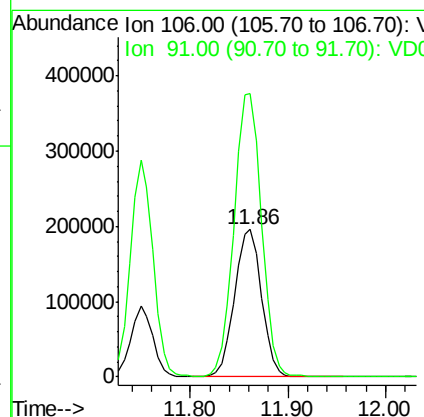
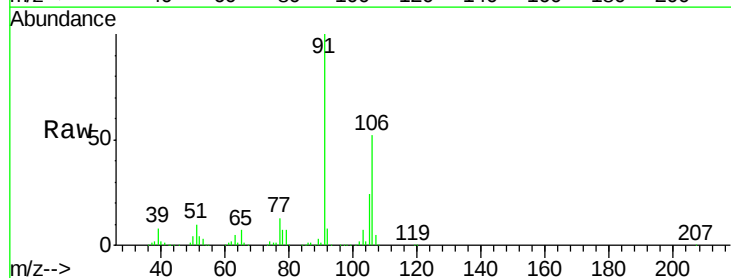
Instrument :
MSVOA_D
ClientSampleId :

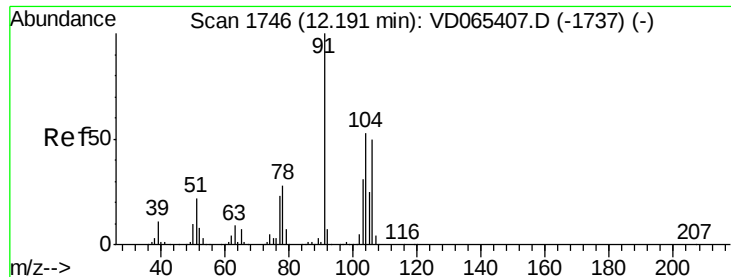
Tot Ion: 91 Resp: 470502
Ion Ratio Lower Upper
91 100
106 32.7 25.2 37.8



#68
m/p-Xylenes
Concen: 43.634 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 106 Resp: 375385
Ion Ratio Lower Upper
106 100
91 195.4 155.9 233.9

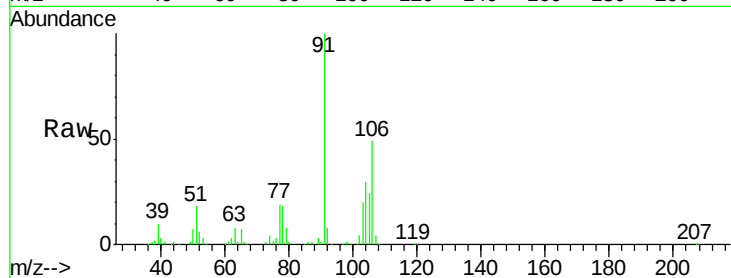




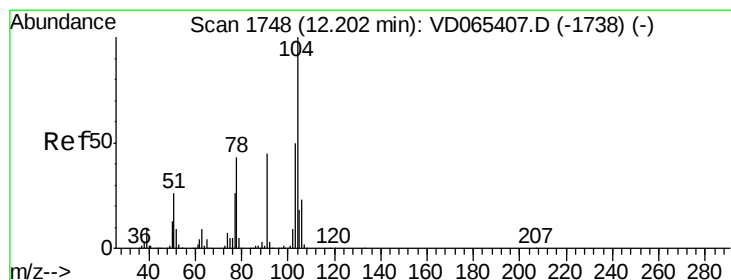
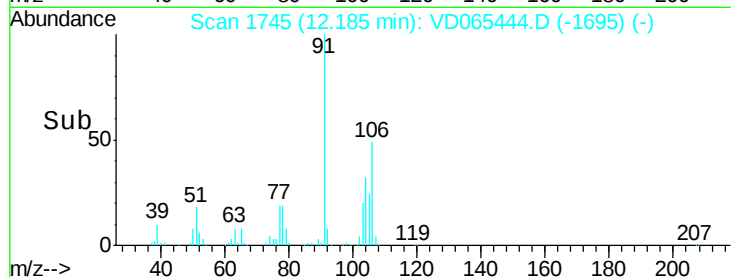
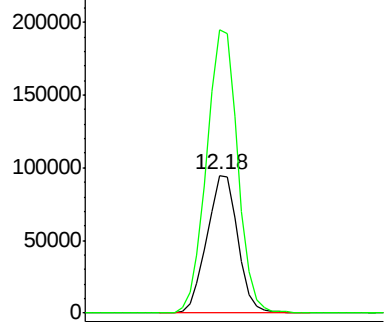
#69
o-Xylene
Concen: 21.167 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 160184
Ion Ratio Lower Upper
106 100
91 206.7 103.5 310.3

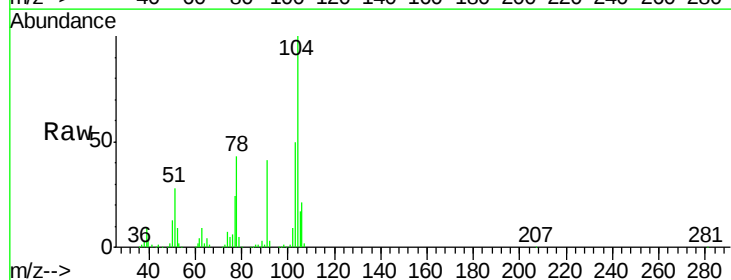


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

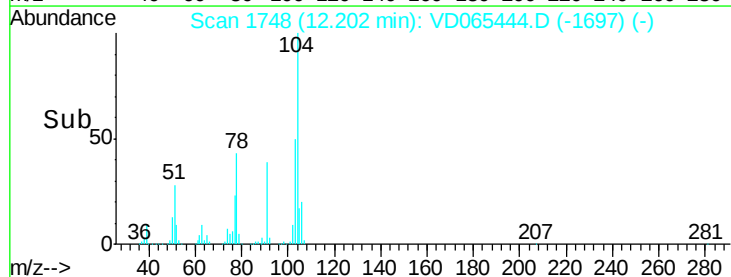
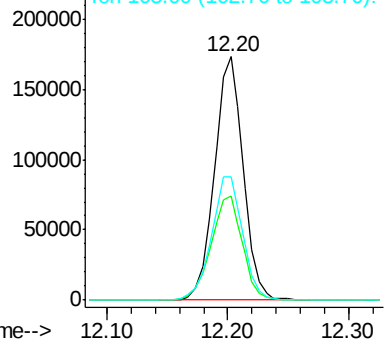


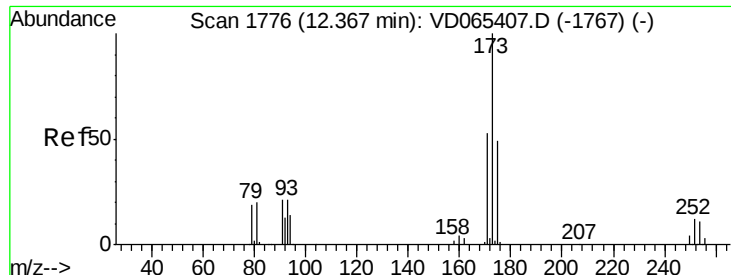
#70
Styrene
Concen: 21.491 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion:104 Resp: 286228
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 55.0 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.851 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

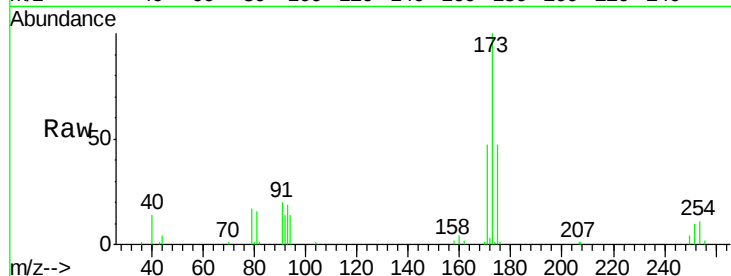
Tot Ion:173 Resp: 55080

Ion Ratio Lower Upper

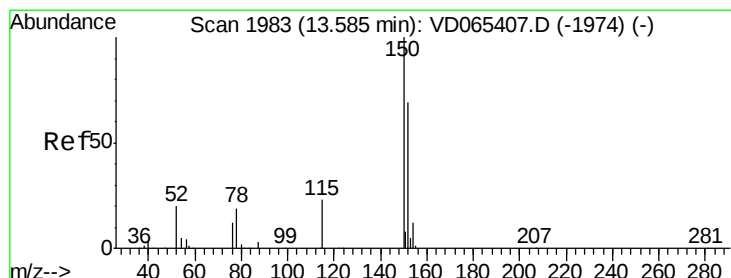
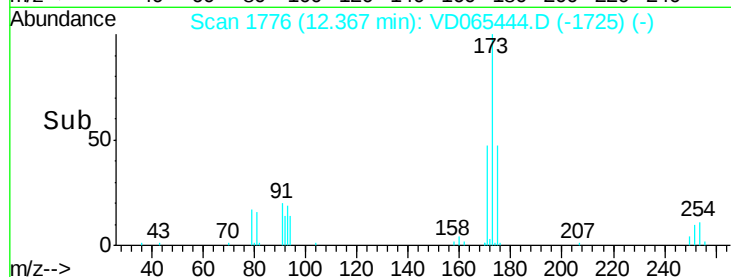
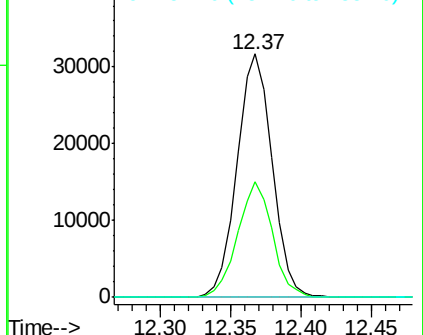
173 100

175 47.1 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

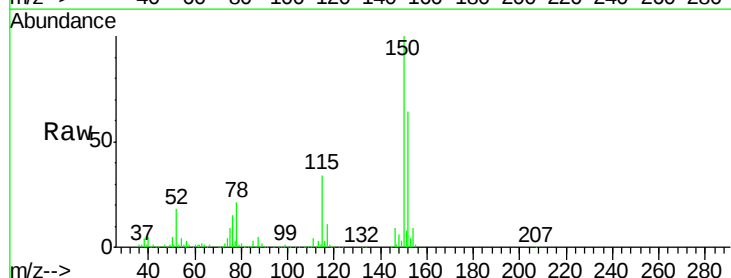
Tgt Ion:152 Resp: 329730

Ion Ratio Lower Upper

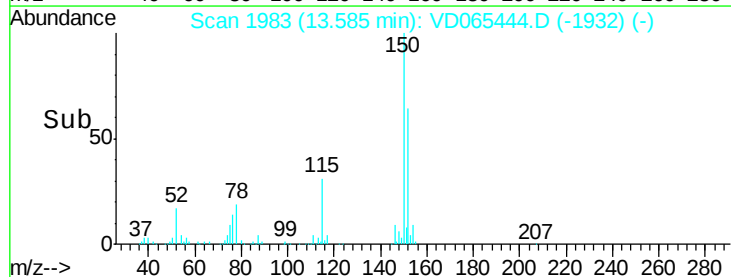
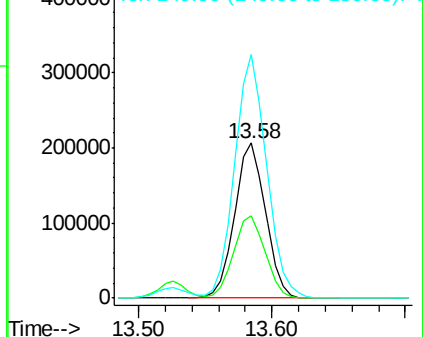
152 100

115 54.6 27.6 82.8

150 163.2 0.0 345.0



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: 20.446 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

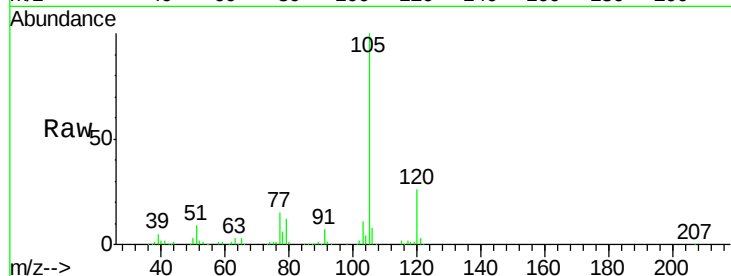
ClientSampled :

Tot Ion:105 Resp: 443434

Ion Ratio Lower Upper

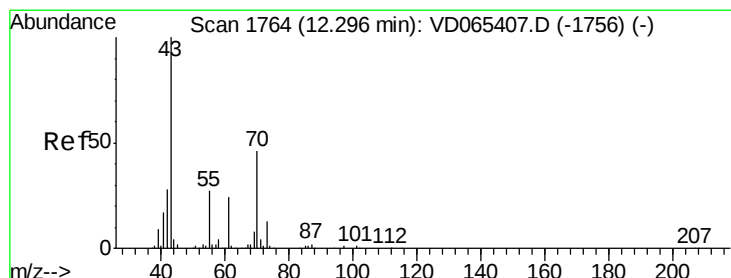
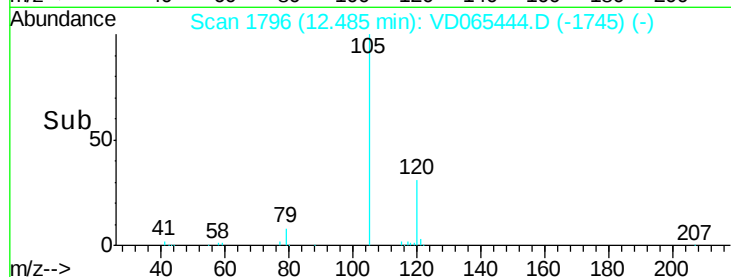
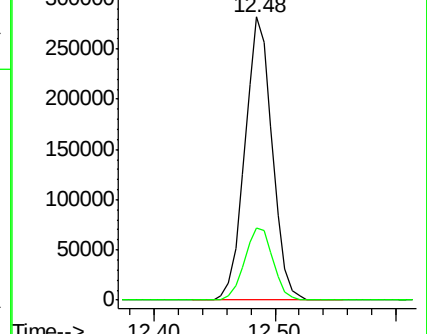
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.401 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion: 43 Resp: 81700

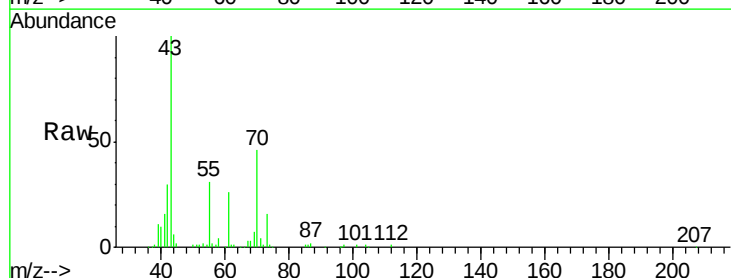
Ion Ratio Lower Upper

43 100

70 44.4 36.1 54.1

55 29.0 21.6 32.4

61 24.4 19.6 29.4

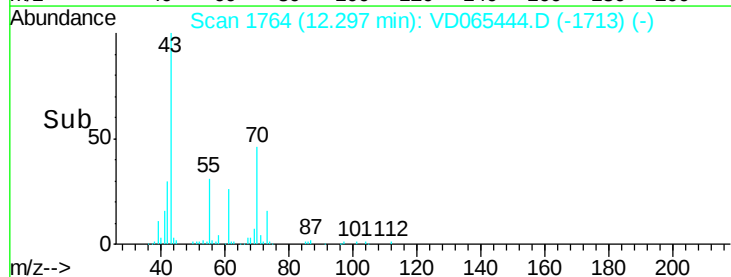
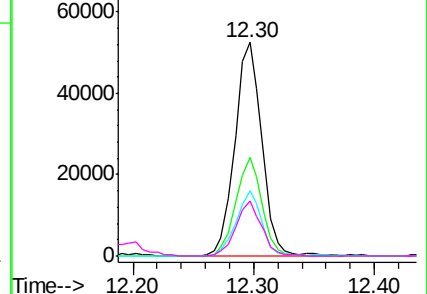


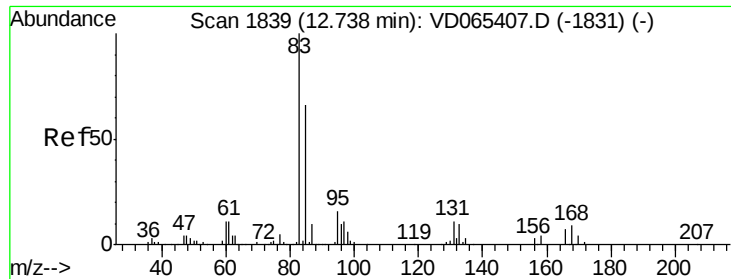
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.235 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

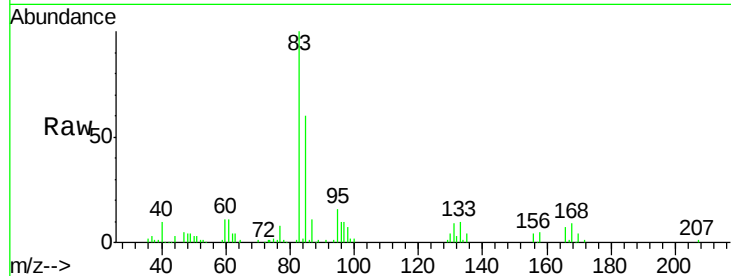
Tot Ion: 83 Resp: 73330

Ion Ratio Lower Upper

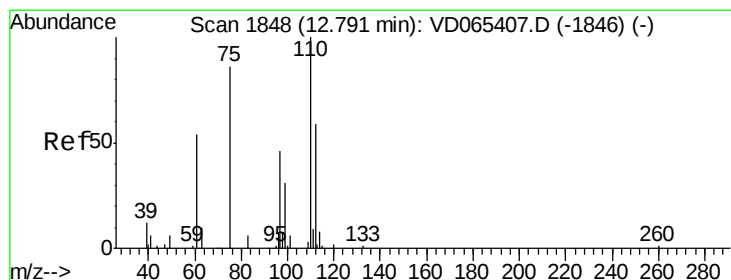
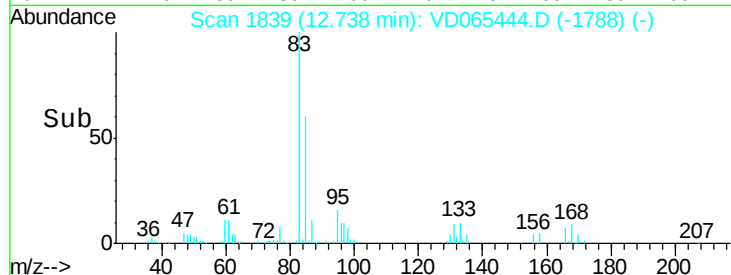
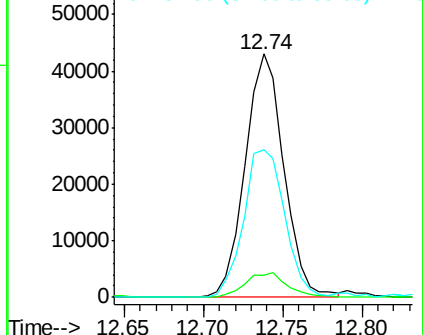
83 100

131 11.3 5.4 16.2

85 64.1 33.0 98.9



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: 35.997 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065444.D

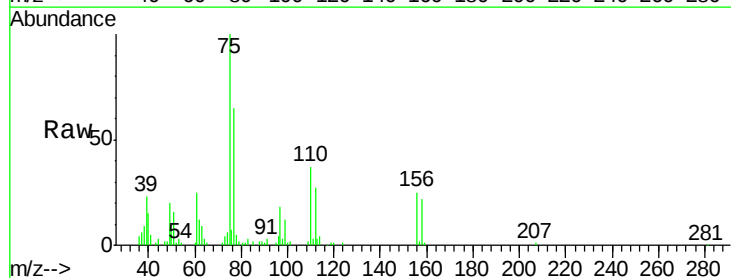
Acq: 09 Mar 2020 12:27

Tgt Ion: 75 Resp: 93659

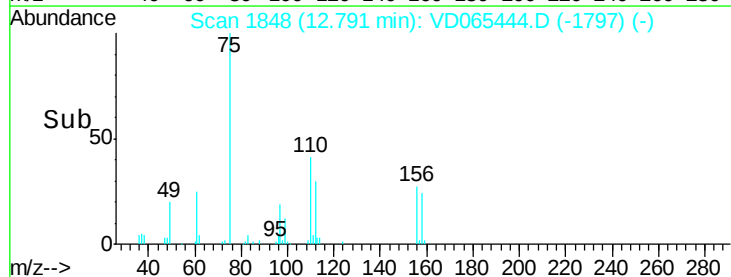
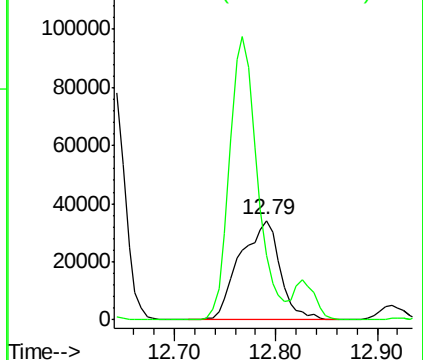
Ion Ratio Lower Upper

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: 20.675 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

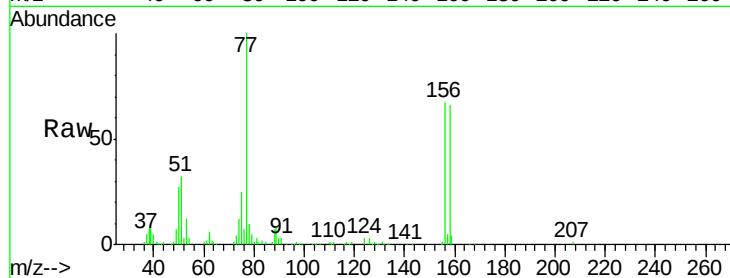
Tot Ion:156 Resp: 111403

Ion Ratio Lower Upper

156 100

77 167.2 84.9 254.6

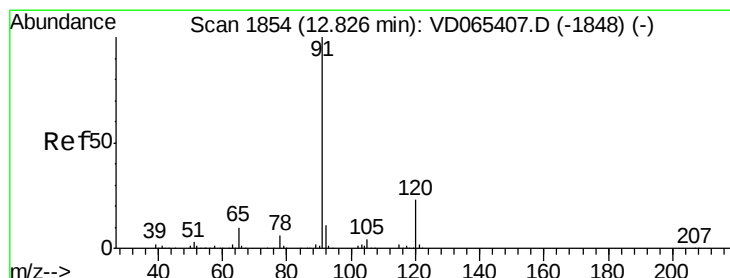
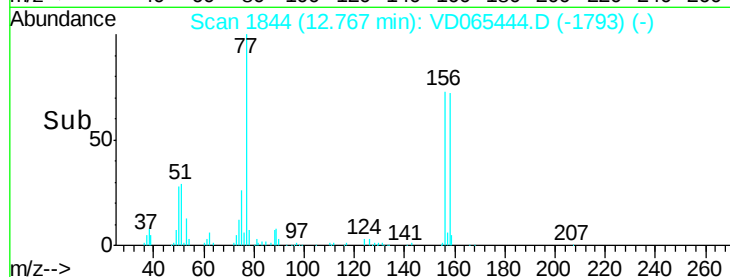
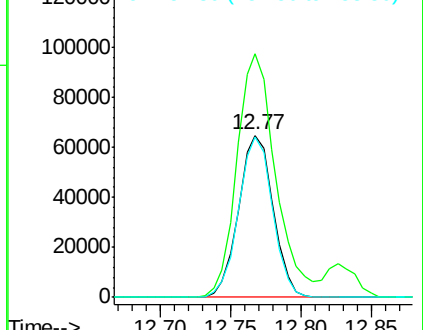
158 97.0 49.0 147.2



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: 21.255 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065444.D

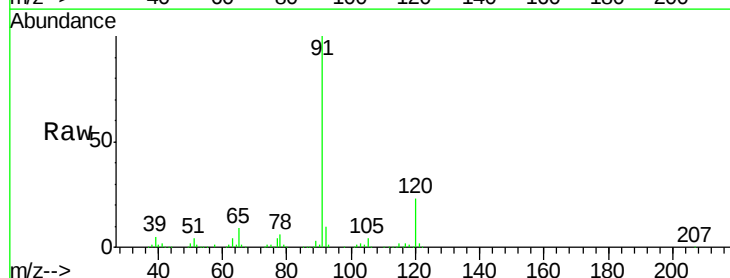
Acq: 09 Mar 2020 12:27

Tgt Ion: 91 Resp: 546939

Ion Ratio Lower Upper

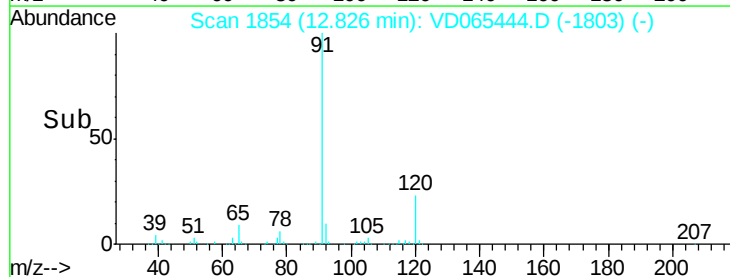
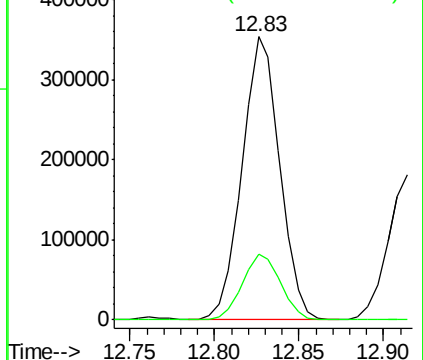
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.919 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

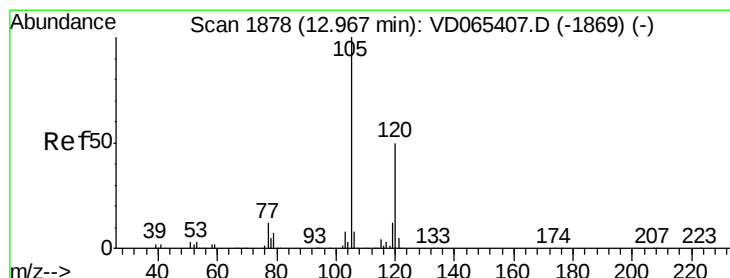
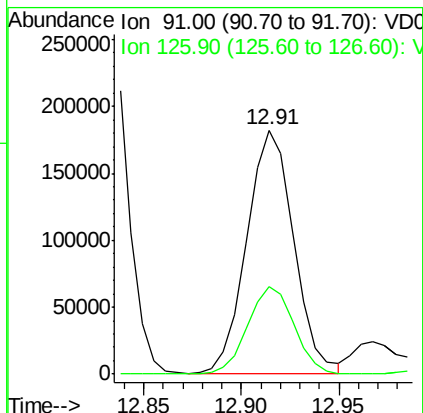
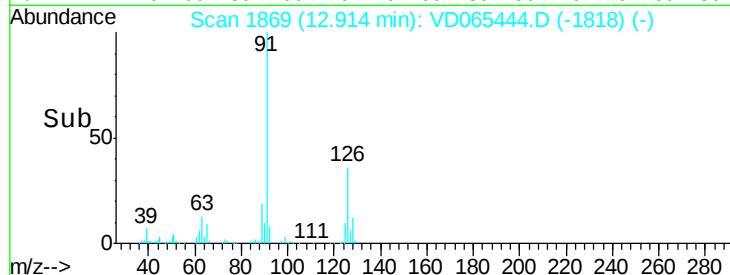
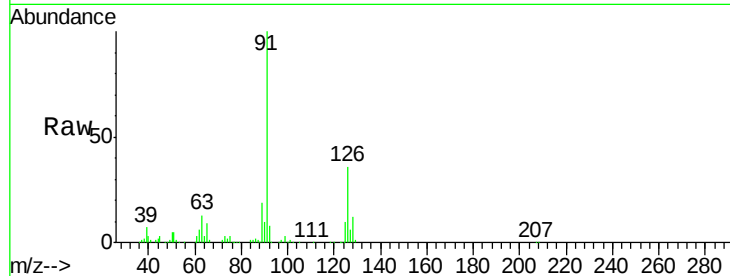
ClientSampleId :

Tot Ion: 91 Resp: 303385

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.030 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065444.D

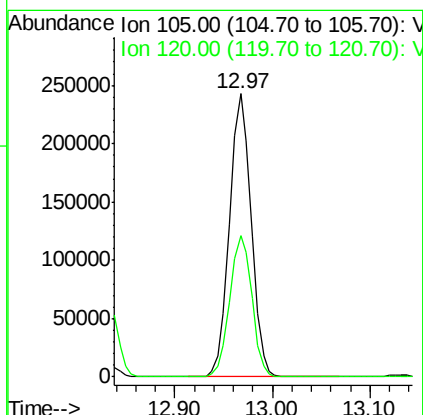
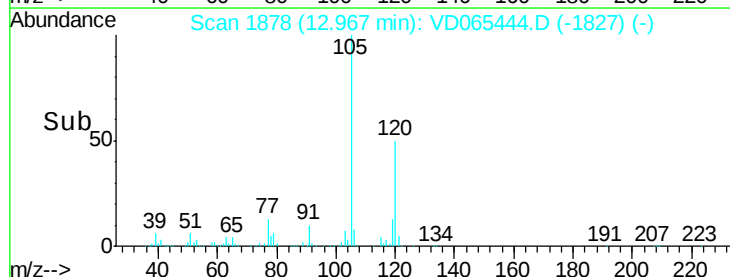
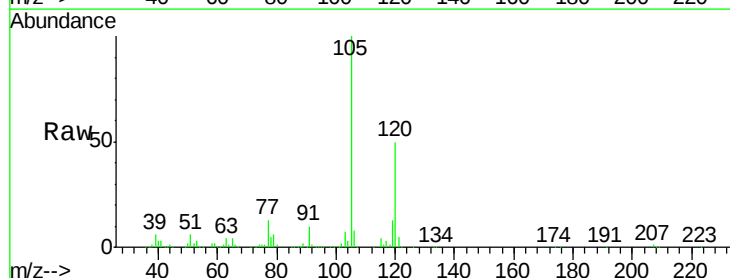
Acq: 09 Mar 2020 12:27

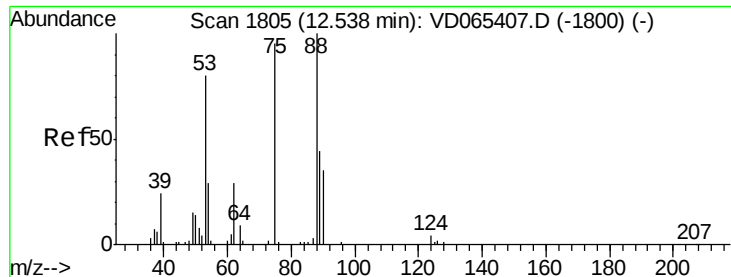
Tgt Ion:105 Resp: 374965

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.432 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

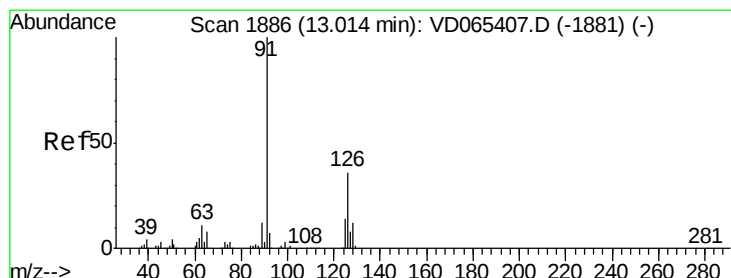
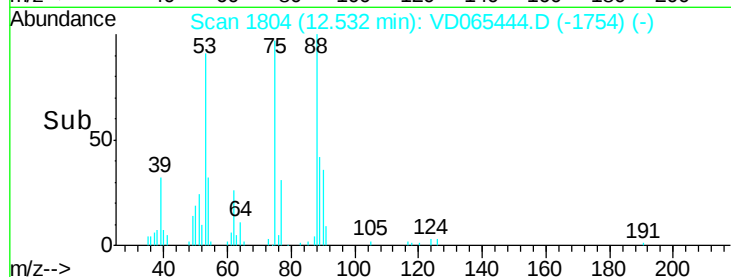
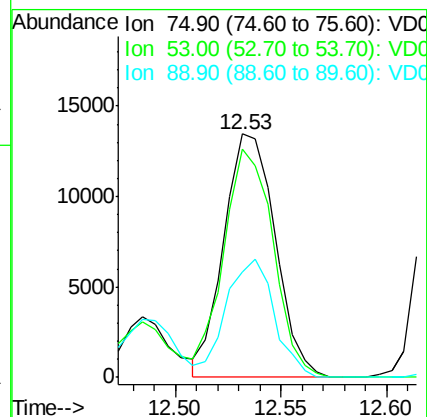
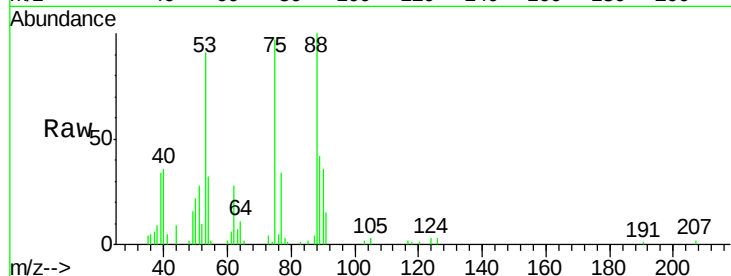
Tot Ion: 75 Resp: 22725

Ion Ratio Lower Upper

75 100

53 90.3 71.3 106.9

89 45.6 37.0 55.6



#82

4-Chlorotoluene

Concen: 20.997 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065444.D

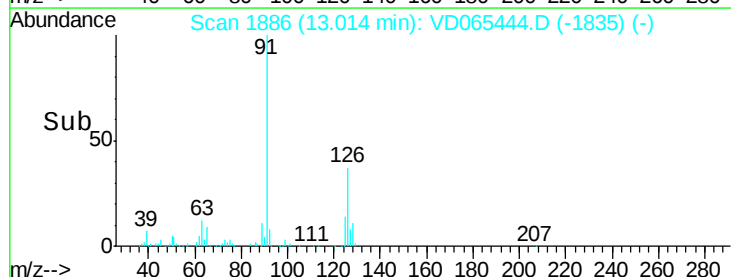
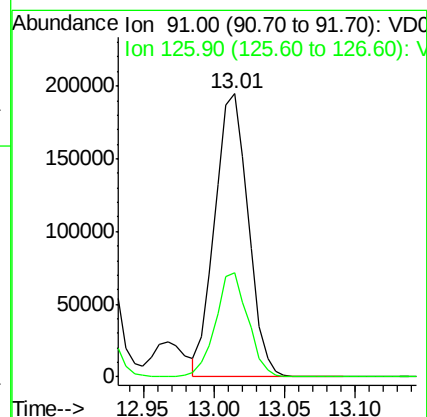
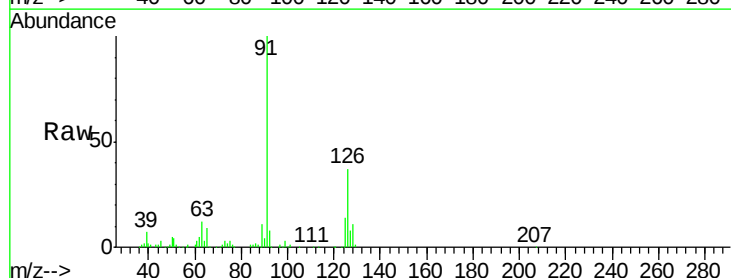
Acq: 09 Mar 2020 12:27

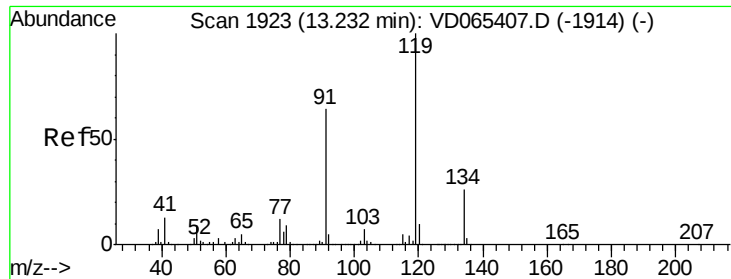
Tgt Ion: 91 Resp: 319987

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8

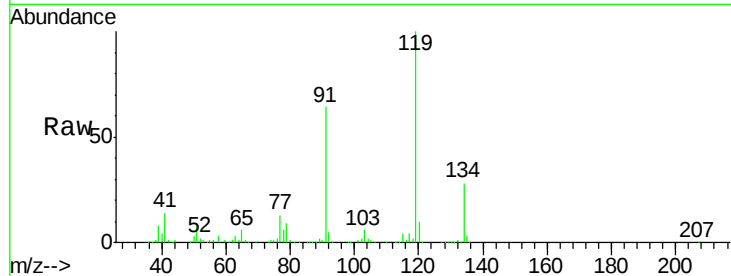




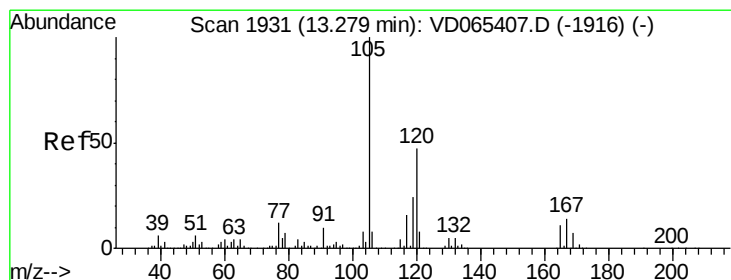
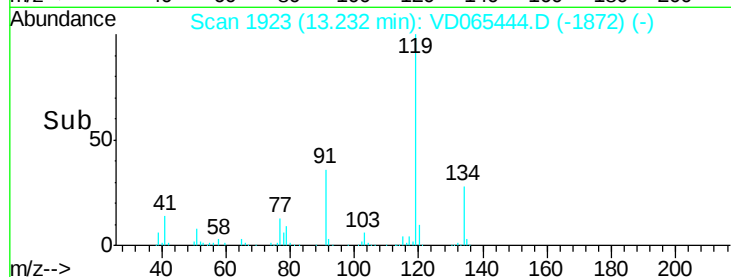
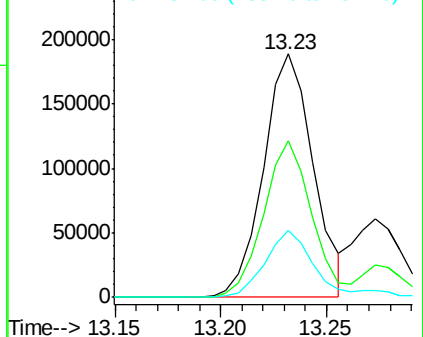
#83
tert-Butylbenzene
Concen: 20.490 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 309080
Ion Ratio Lower Upper
119 100
91 62.3 31.6 95.0
134 28.2 14.2 42.8

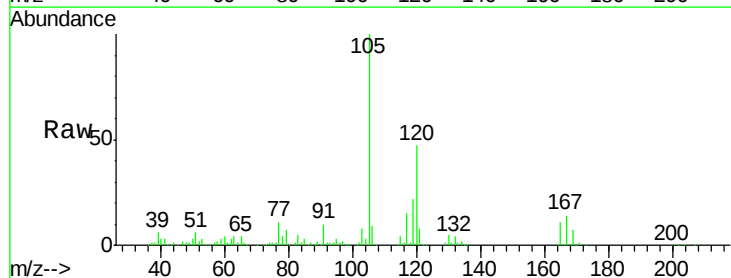


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

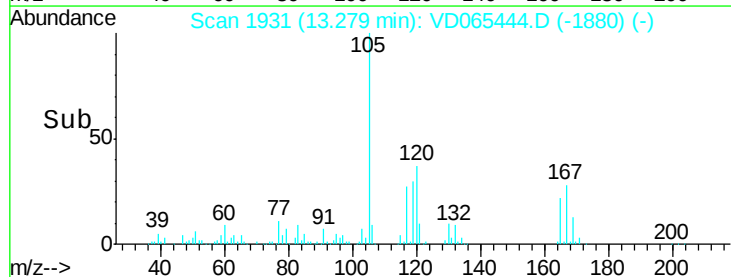
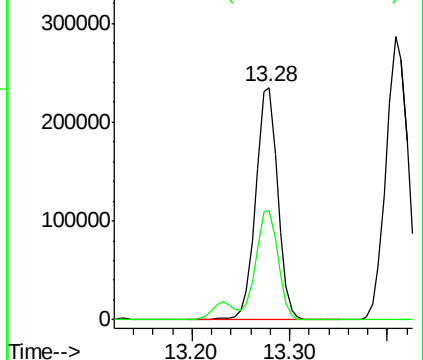


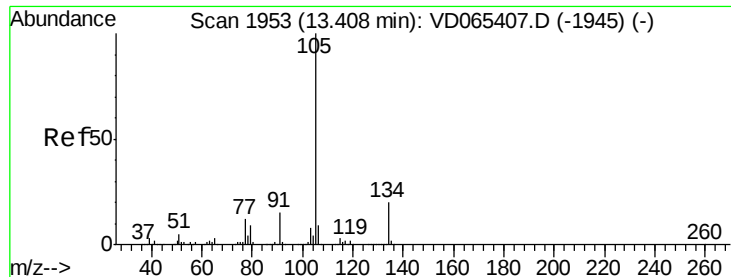
#84
1,2,4-Trimethylbenzene
Concen: 21.102 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion:105 Resp: 370872
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.987 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

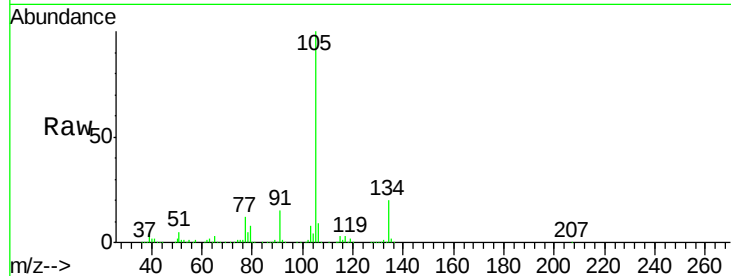
ClientSampleId :

Tot Ion:105 Resp: 451876

Ion Ratio Lower Upper

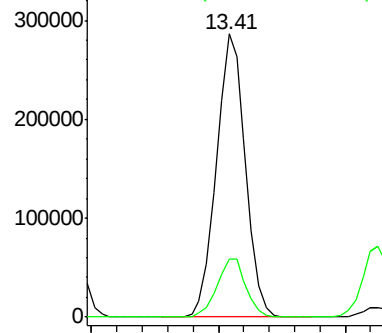
105 100

134 20.6 10.3 30.9

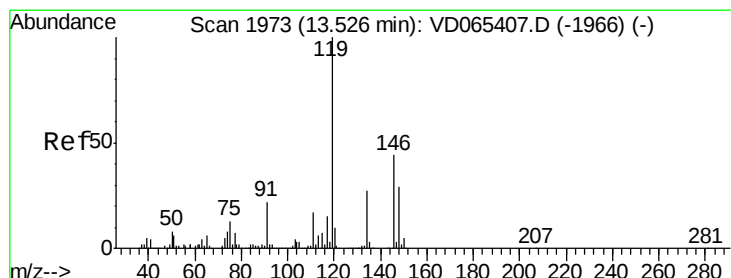
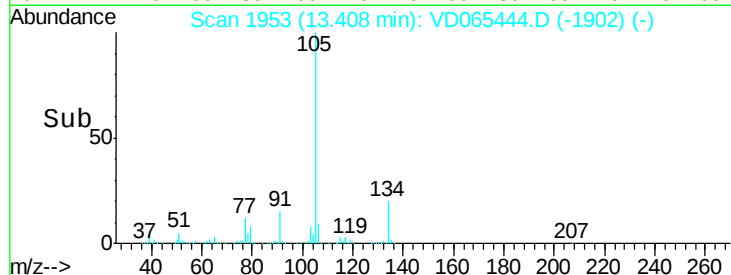


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 21.244 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

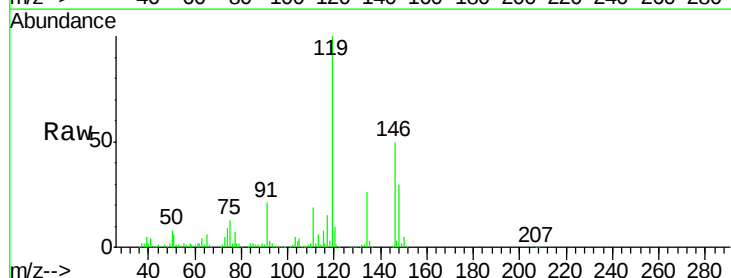
Tgt Ion:119 Resp: 417384

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

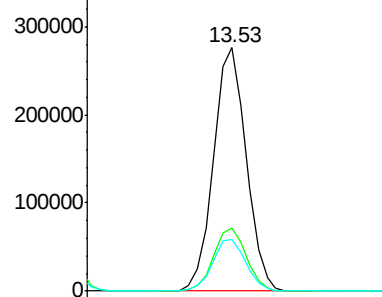
91 21.4 10.9 32.6



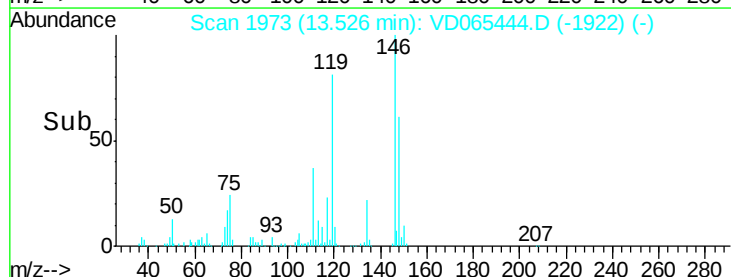
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.45 13.50 13.55 13.60

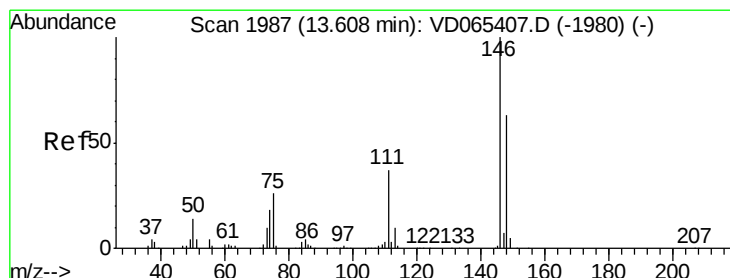
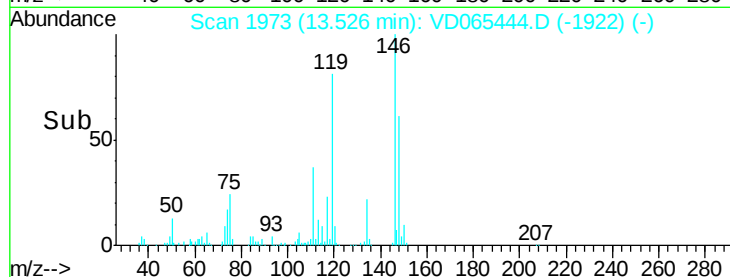
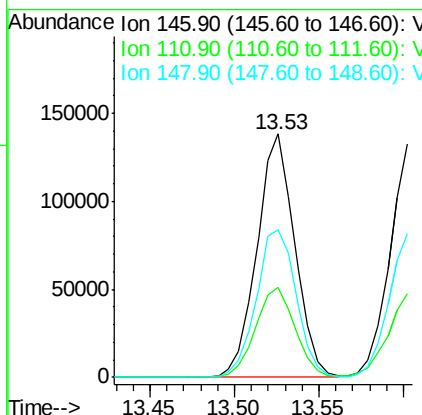
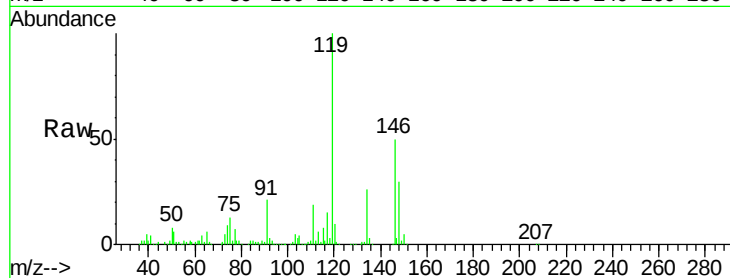




#87
 1,3-Dichlorobenzene
 Concen: 20.801 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

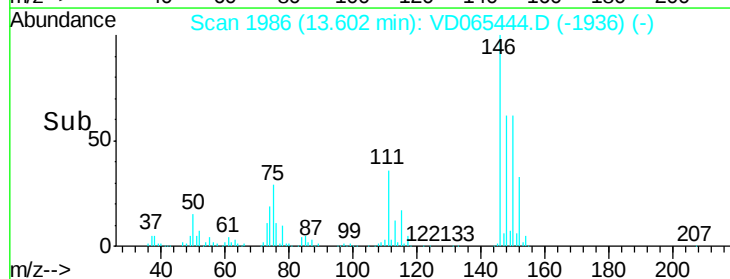
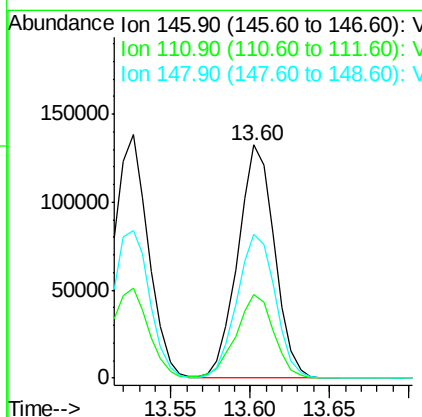
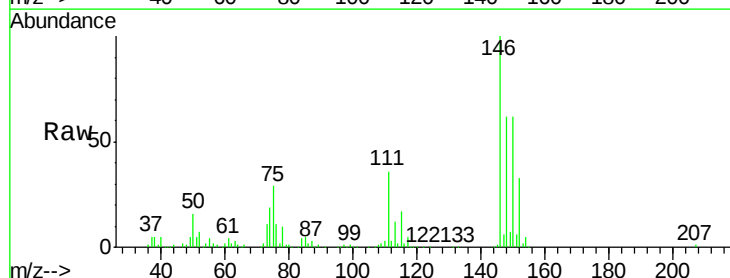
Instrument :
 MSVOA_D
 ClientSampleId :

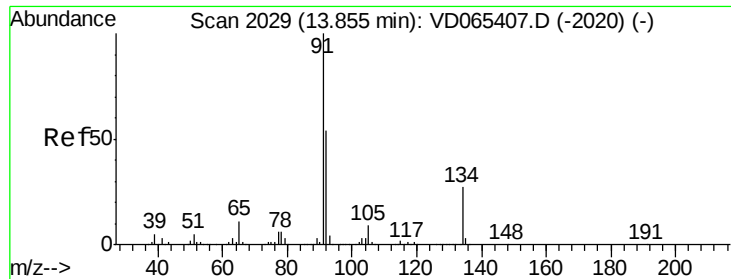
Tot Ion:146 Resp: 215485
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.1
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.698 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion:146 Resp: 213294
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.2 32.0 96.0

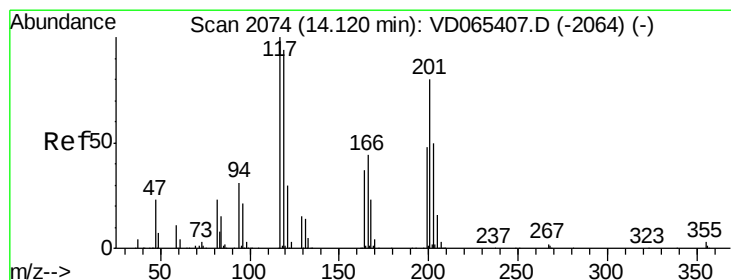
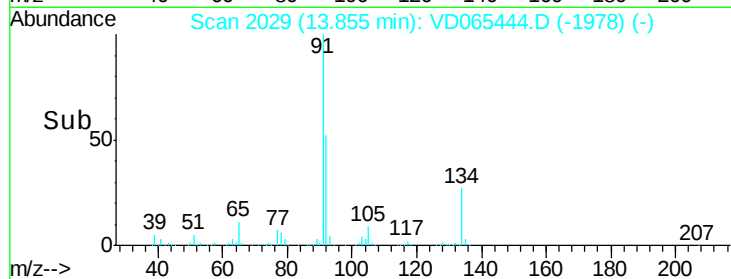
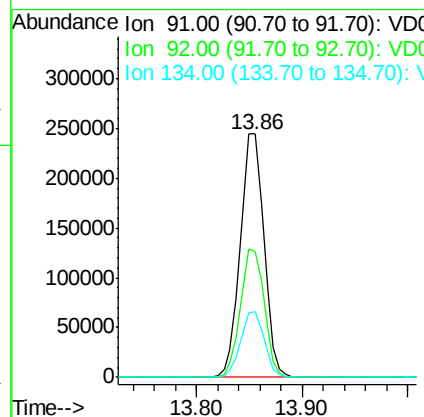
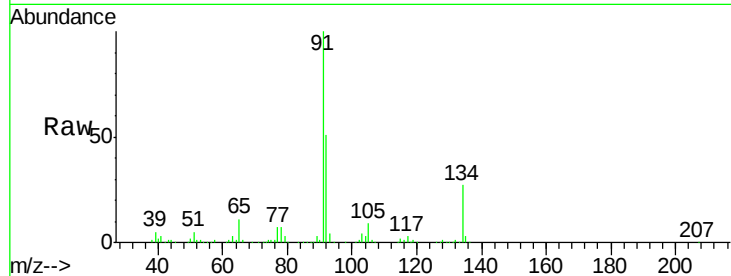




#89
n-Butylbenzene
Concen: 20.807 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

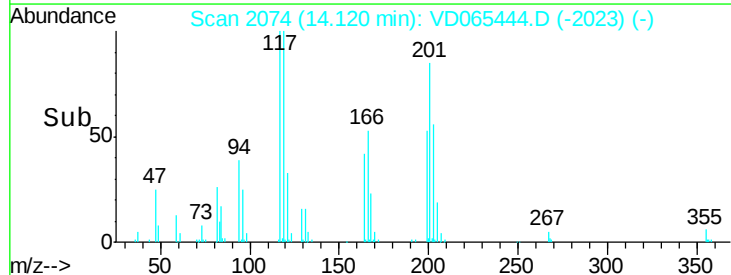
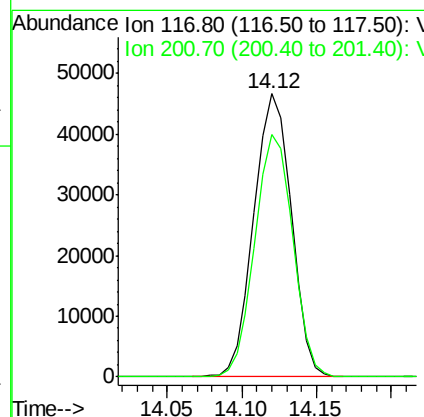
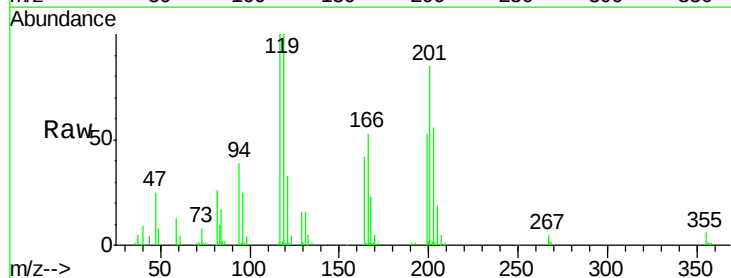
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 377934
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 20.084 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 117 Resp: 81261
Ion Ratio Lower Upper
117 100
201 86.8 41.9 125.6

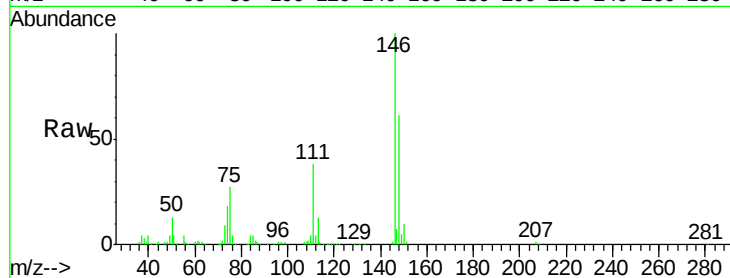




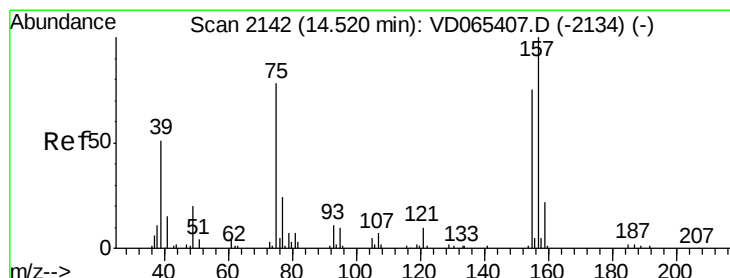
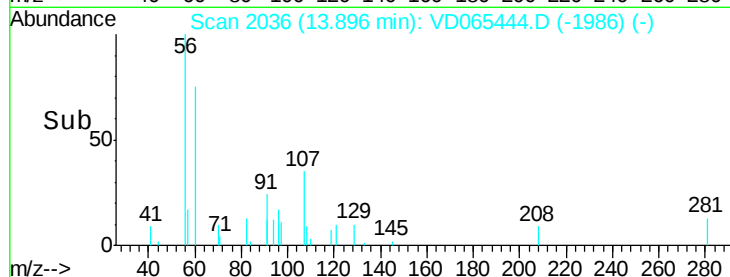
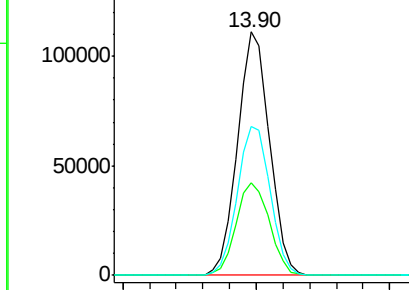
#91
 1,2-Dichlorobenzene
 Concen: 20.863 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.1	32.6	97.8

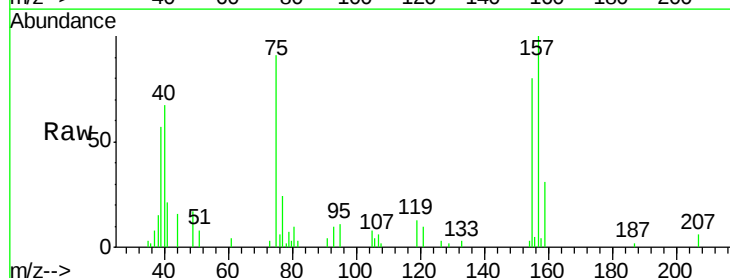


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

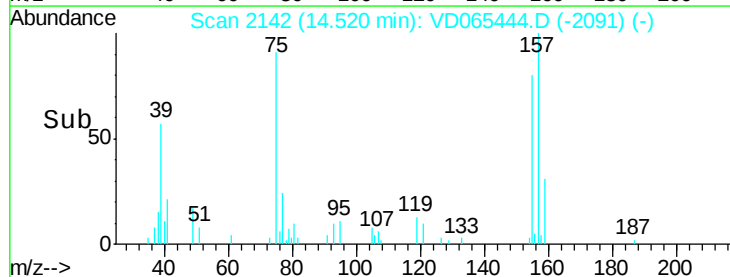
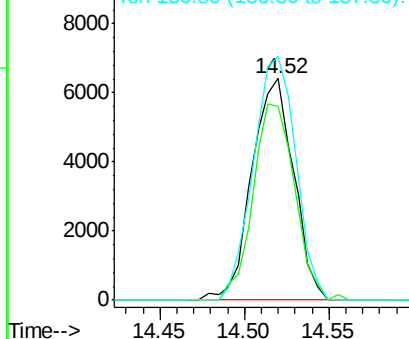


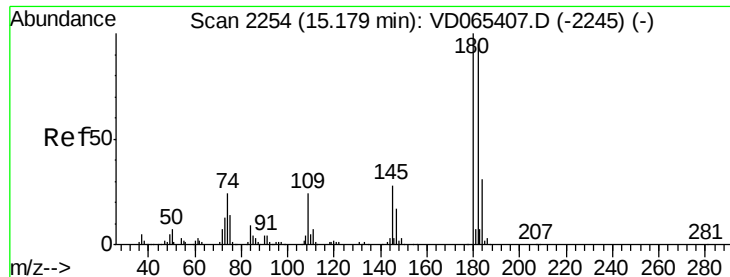
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.093 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	46.4	139.1
157	111.4	60.2	180.4



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

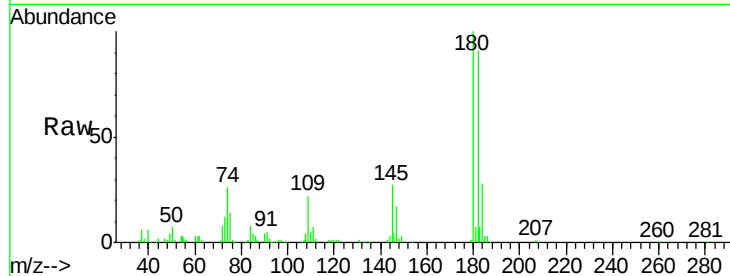




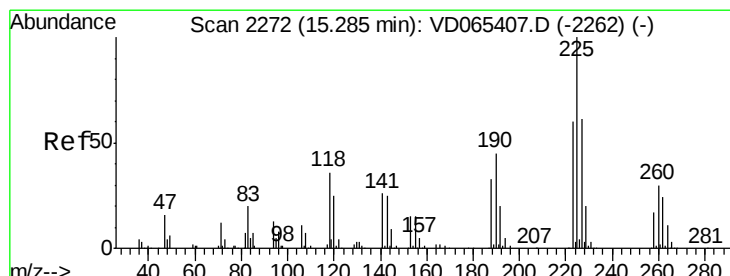
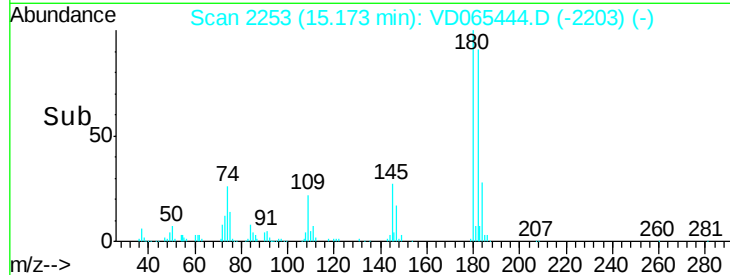
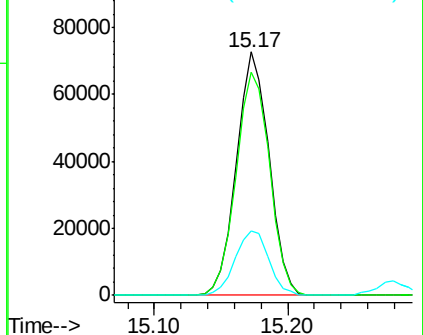
#93
 1,2,4-Trichlorobenzene
 Concen: 20.529 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	27.3	14.4	43.4

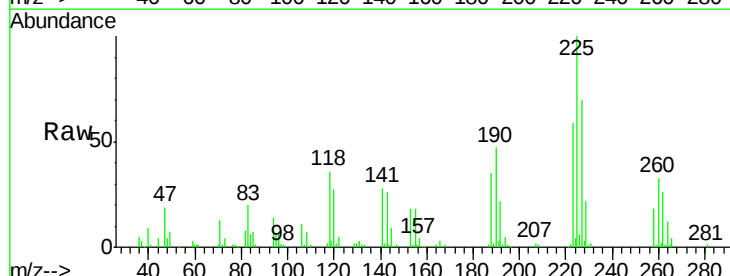


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

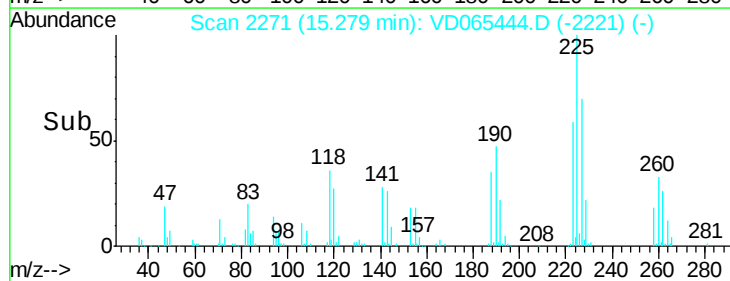
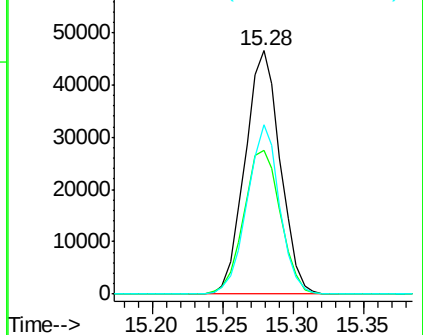


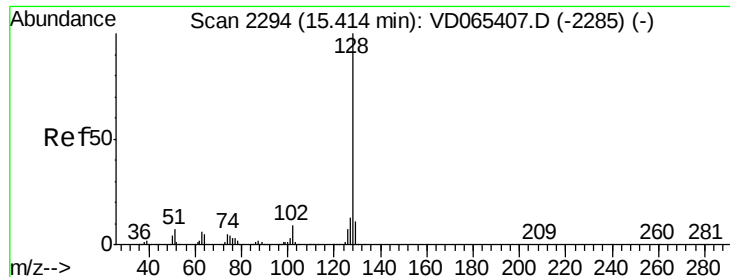
#94
 Hexachlorobutadiene
 Concen: 20.716 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	64.5	31.6	94.7



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: 19.529 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

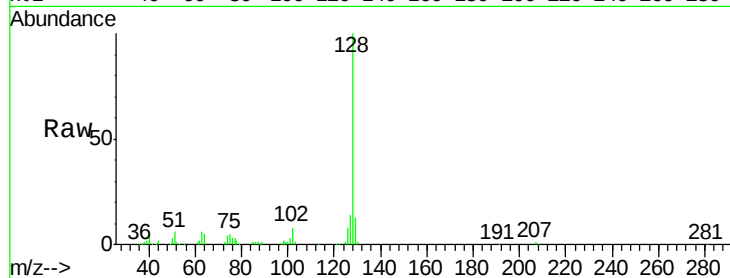
Tot Ion:128 Resp: 176611

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

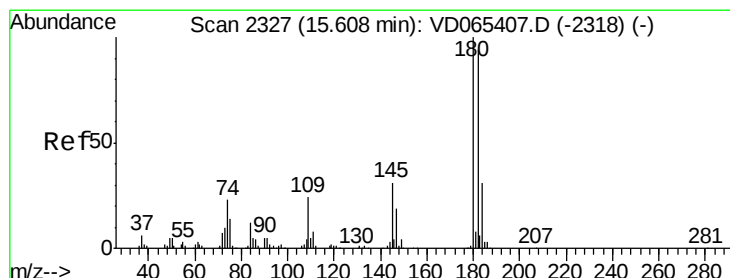
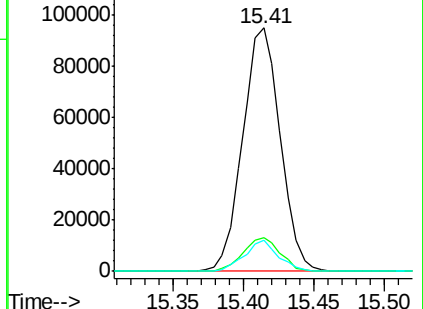
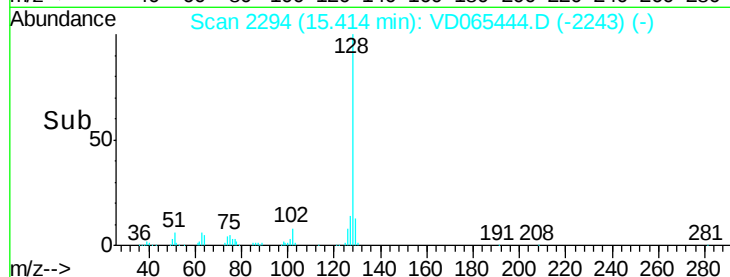
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.475 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

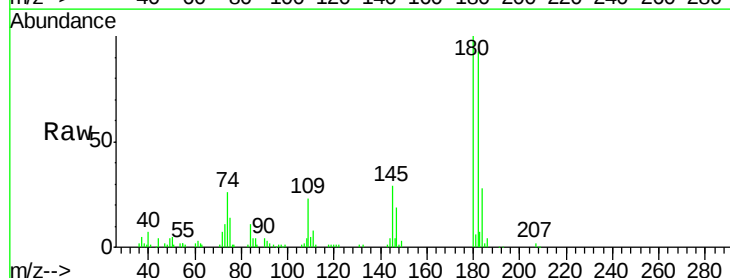
Tgt Ion:180 Resp: 105717

Ion Ratio Lower Upper

180 100

182 94.1 46.9 140.6

145 30.4 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

