

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065232.D
 Acq On : 19 Feb 2020 11:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200503	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	7.92	113	209651	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.34	98	837131	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.64	95	259986	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221647	54.389	ug/l	100
3) Chloromethane	2.21	50	263531	50.806	ug/l	98
4) Vinyl Chloride	2.35	62	269780	51.148	ug/l	97
5) Bromomethane	2.77	94	156988	49.226	ug/l	95
6) Chloroethane	2.93	64	161551	50.178	ug/l	99
7) Trichlorofluoromethane	3.27	101	386685	51.207	ug/l	96
8) Diethyl Ether	3.71	74	105007	46.067	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	241459	50.634	ug/l	99
10) Methyl Iodide	4.30	142	253684	51.235	ug/l	98
11) Tert butyl alcohol	5.24	59	52387	200.568	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	231415	51.371	ug/l	99
13) Acrolein	3.93	56	90306	286.533	ug/l	99
14) Allyl chloride	4.71	41	372612	50.936	ug/l	99
15) Acrylonitrile	5.43	53	232529	230.414	ug/l	99
16) Acetone	4.16	43	262319	245.507	ug/l	97
17) Carbon Disulfide	4.40	76	775253	51.332	ug/l	98
18) Methyl Acetate	4.73	43	105155	43.758	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	456340	48.578	ug/l	98
20) Methylene Chloride	4.97	84	253283	53.578	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	261778	51.117	ug/l	99
22) Diisopropyl ether	6.37	45	724229	51.355	ug/l	98
23) Vinyl Acetate	6.31	43	1979431	254.603	ug/l	100
24) 1,1-Dichloroethane	6.27	63	437493	50.015	ug/l	97
25) 2-Butanone	7.22	43	310852	229.944	ug/l	97
26) 2,2-Dichloropropane	7.21	77	387669	51.081	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	272900	50.308	ug/l	100
28) Bromochloromethane	7.55	49	151996	46.838	ug/l	98
29) Tetrahydrofuran	7.57	42	183121	231.188	ug/l	99
30) Chloroform	7.71	83	445002	50.496	ug/l	100
31) Cyclohexane	7.98	56	426338	49.607	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	401681	50.944	ug/l	100
36) 1,1-Dichloropropene	8.11	75	364782	53.570	ug/l	99
37) Ethyl Acetate	7.30	43	132387	46.506	ug/l	100
38) Carbon Tetrachloride	8.10	117	365082	52.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	446064	55.720	ug/l	97
40) Benzene	8.36	78	1015468	52.833	ug/l	99
41) Methacrylonitrile	7.54	41	75420	45.886	ug/l	99
42) 1,2-Dichloroethane	8.43	62	263934	49.950	ug/l	99
43) Isopropyl Acetate	8.46	43	246229	47.566	ug/l	99
44) Trichloroethene	9.11	130	277709	52.125	ug/l	99
45) 1,2-Dichloropropane	9.39	63	249530	52.211	ug/l	99
46) Dibromomethane	9.48	93	121848	49.551	ug/l	97
47) Bromodichloromethane	9.67	83	334511	51.619	ug/l	100
48) Methyl methacrylate	9.46	41	131860	55.108	ug/l	94
49) 1,4-Dioxane	9.47	88	27698	960.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	635544	241.721	ug/l	100
52) Toluene	10.41	92	647096	54.392	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	310454	51.684	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	383908	52.928	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	169671	49.022	ug/l	97
56) Ethyl methacrylate	10.67	69	205650	51.479	ug/l	99
57) 1,3-Dichloropropane	10.95	76	299096	50.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	288412	228.994	ug/l	99
59) 2-Hexanone	10.99	43	477982	253.960	ug/l	99
60) Dibromochloromethane	11.14	129	226420	51.111	ug/l	98
61) 1,2-Dibromoethane	11.25	107	164359	50.155	ug/l	97
64) Tetrachloroethene	10.88	164	237006	53.052	ug/l	96
65) Chlorobenzene	11.67	112	668997	52.925	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	244233	51.776	ug/l	100
67) Ethyl Benzene	11.75	91	1220000	55.108	ug/l	100
68) m/p-Xylenes	11.86	106	930997	109.917	ug/l	100
69) o-Xylene	12.18	106	420427	56.027	ug/l	98
70) Styrene	12.20	104	730446	54.826	ug/l	99
71) Bromoform	12.37	173	128408	49.057	ug/l #	100
73) Isopropylbenzene	12.48	105	1147472	55.932	ug/l	99
74) N-amyl acetate	12.30	43	221894	48.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178470	48.202	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	237003	89.892	ug/l #	100
77) Bromobenzene	12.77	156	267251	52.461	ug/l	99
78) n-propylbenzene	12.83	91	1373524	55.713	ug/l	99
79) 2-Chlorotoluene	12.91	91	744213	53.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	938445	55.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60546	49.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	787211	53.689	ug/l	98
83) tert-Butylbenzene	13.23	119	793181	56.009	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	932868	55.158	ug/l	99
85) sec-Butylbenzene	13.41	105	1134060	55.574	ug/l	100
86) p-Isopropyltoluene	13.53	119	1047326	56.122	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	510989	51.885	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504487	51.902	ug/l	99
89) n-Butylbenzene	13.85	91	975369	56.720	ug/l	100
90) Hexachloroethane	14.12	117	199808	52.731	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	434596	51.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26247	46.000	ug/l	98

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QLast Update : Wed Feb 19 03:26:54 2020
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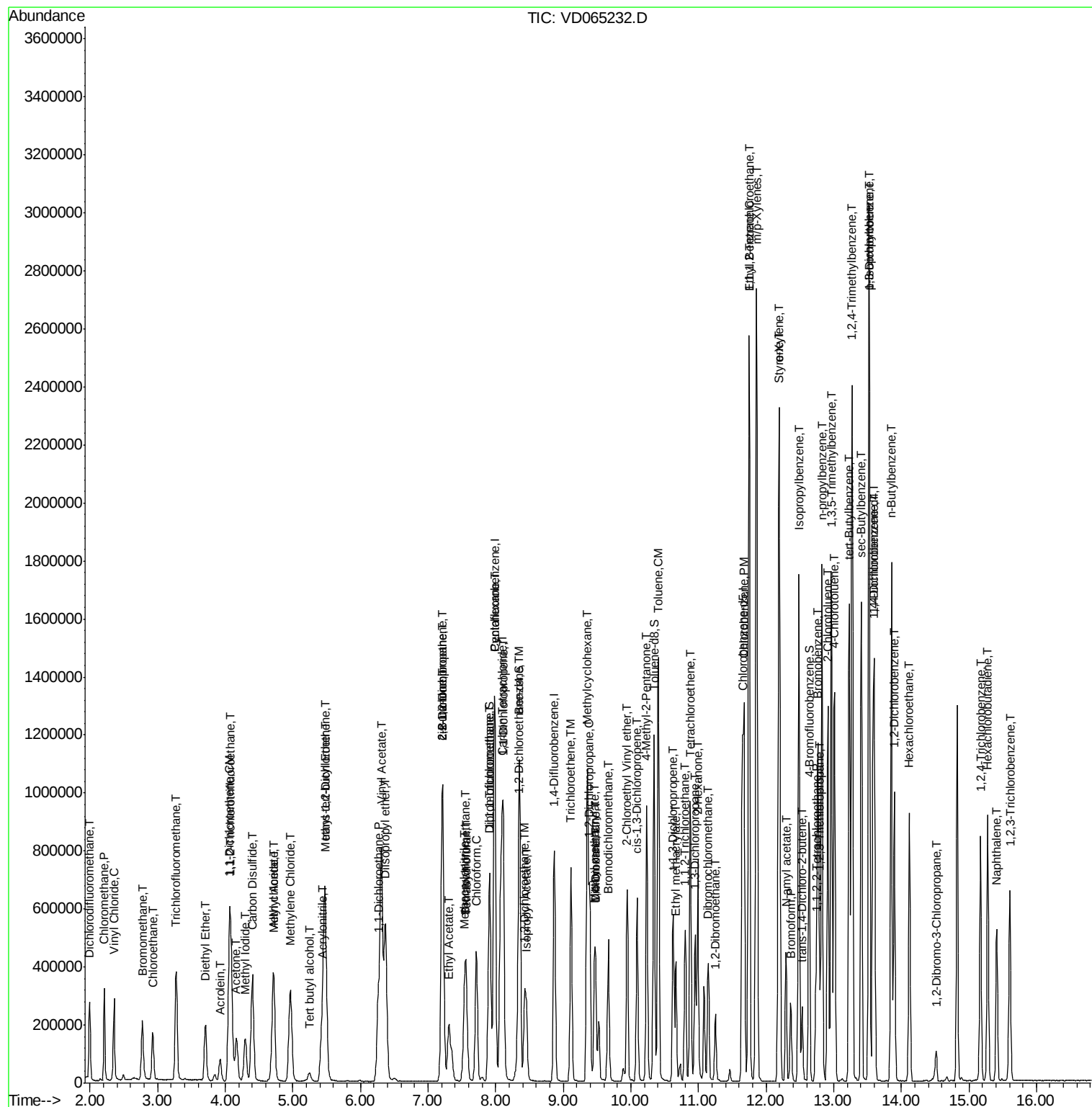
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291558	52.710	ug/l	99
94) Hexachlorobutadiene	15.28	225	186835	52.656	ug/l	100
95) Naphthalene	15.41	128	465178	51.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	247281	51.188	ug/l	100

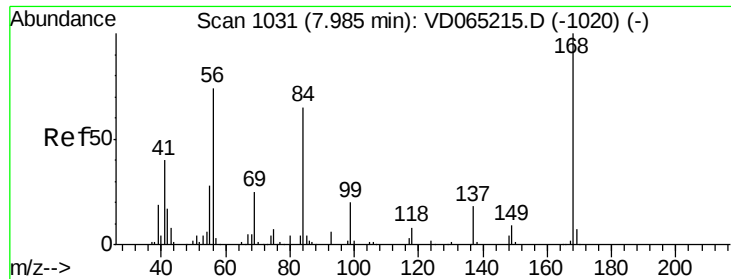
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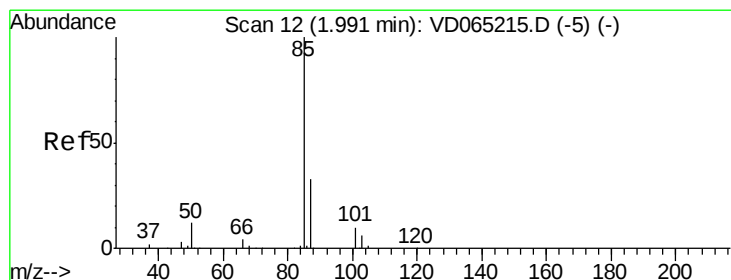
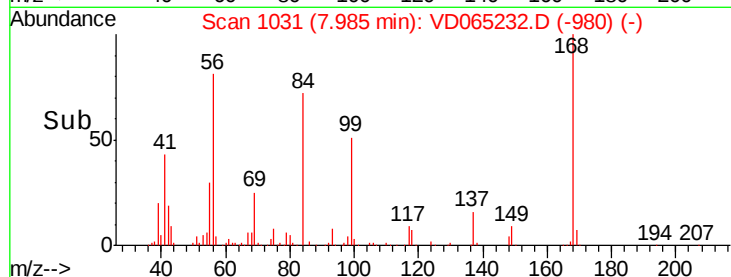
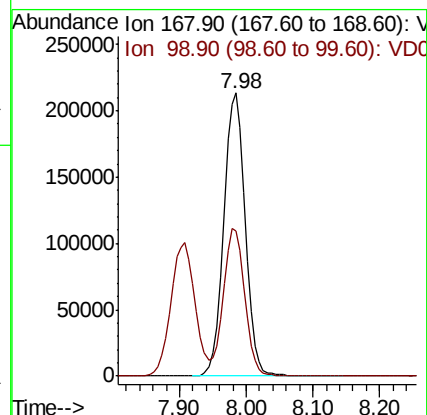
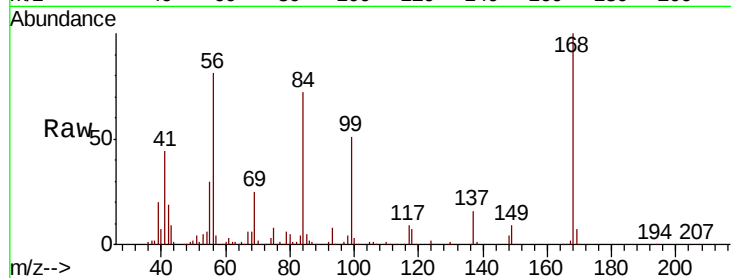




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
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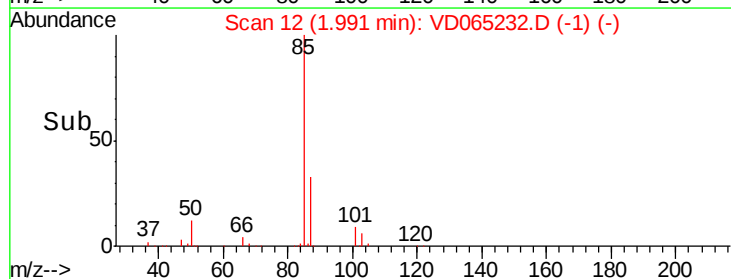
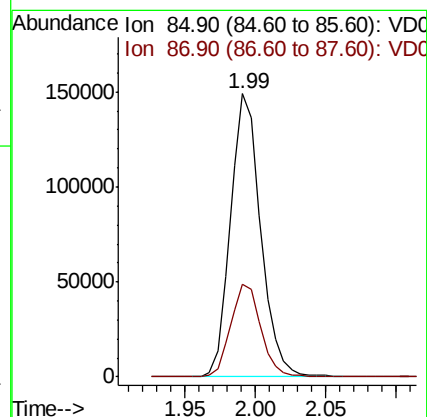
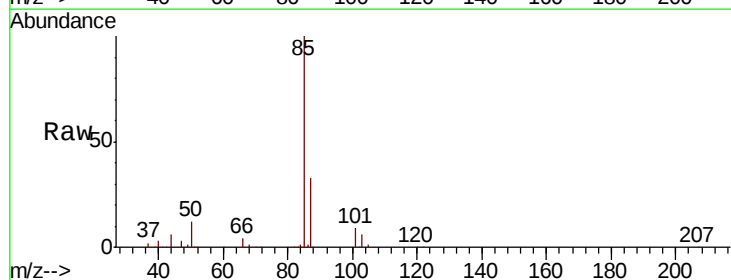
Instrument :
MSVOA_D
ClientSampled :

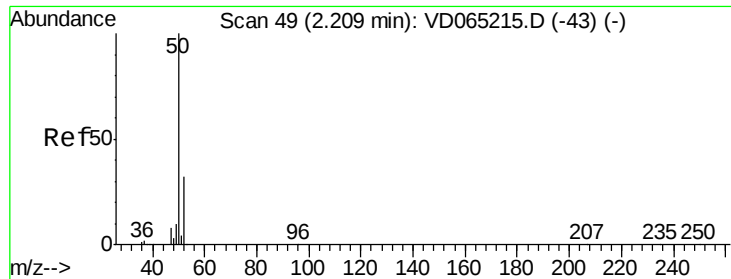
Tot Ion:168 Resp: 485875
Ion Ratio Lower Upper
168 100
99 51.2 41.4 62.2



#2
Dichlorodifluoromethane
Concen: 54.389 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 85 Resp: 221647
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.1





#3

Chloromethane

Concen: 50.806 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

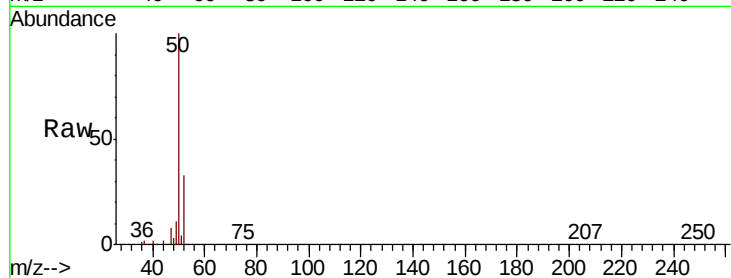
ClientSampleId :

Tot Ion: 50 Resp: 263531

Ion Ratio Lower Upper

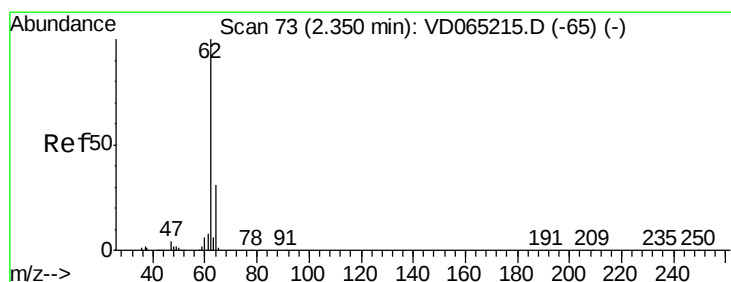
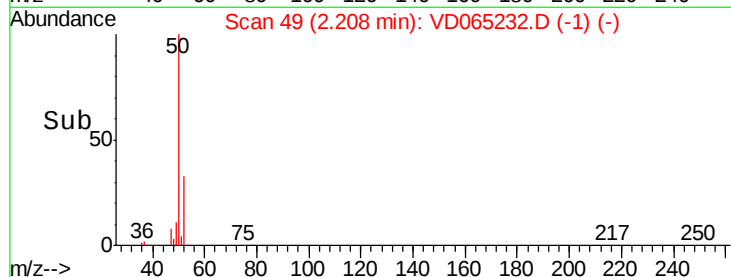
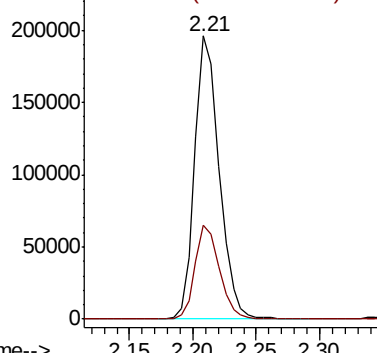
50 100

52 33.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.148 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065232.D

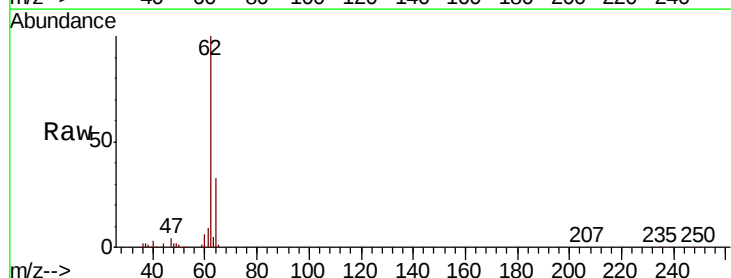
Acq: 19 Feb 2020 11:49

Tgt Ion: 62 Resp: 269780

Ion Ratio Lower Upper

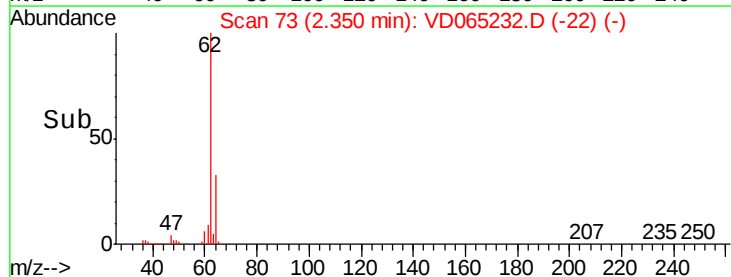
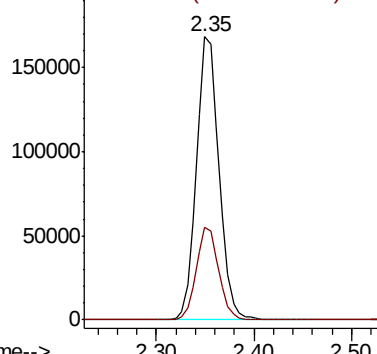
62 100

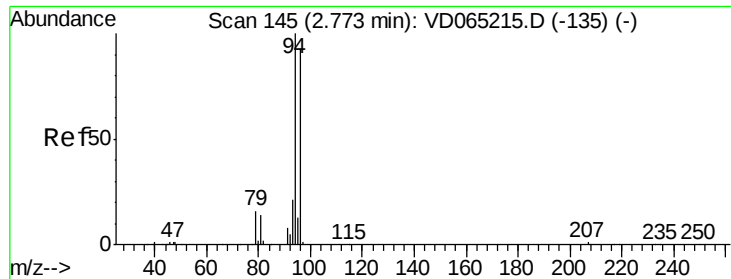
64 32.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.226 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

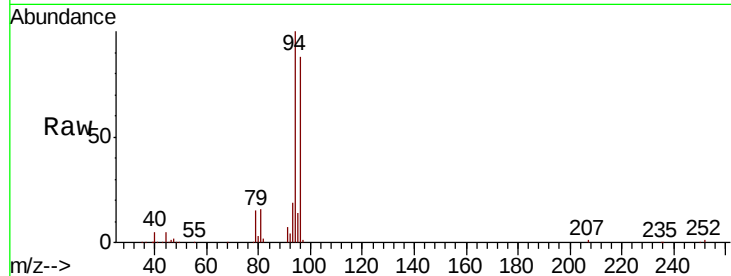
ClientSampleId :

Tot Ion: 94 Resp: 156988

Ion Ratio Lower Upper

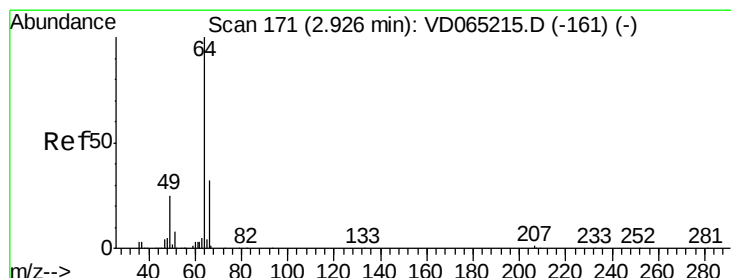
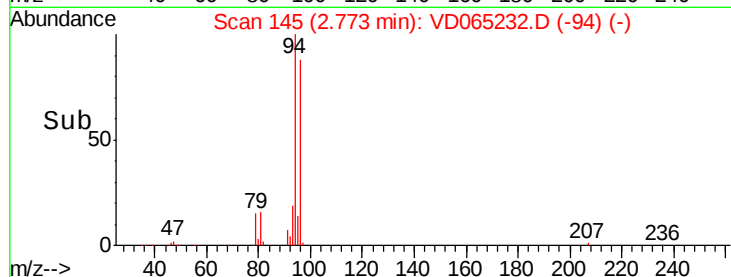
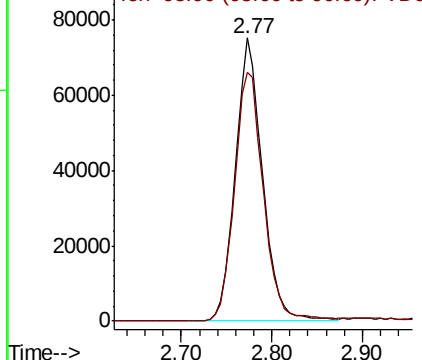
94 100

96 87.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.178 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065232.D

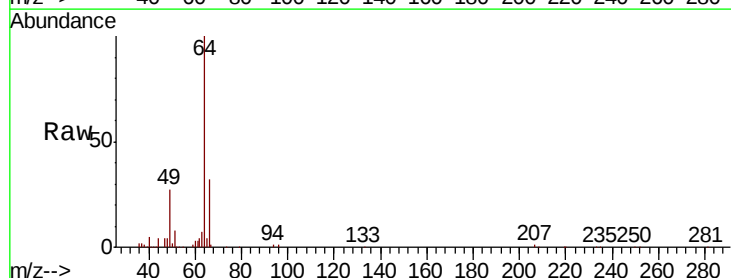
Acq: 19 Feb 2020 11:49

Tgt Ion: 64 Resp: 161551

Ion Ratio Lower Upper

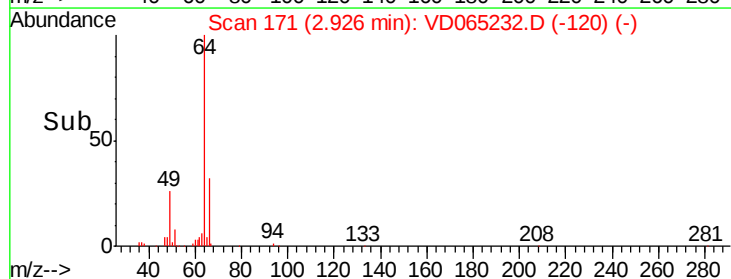
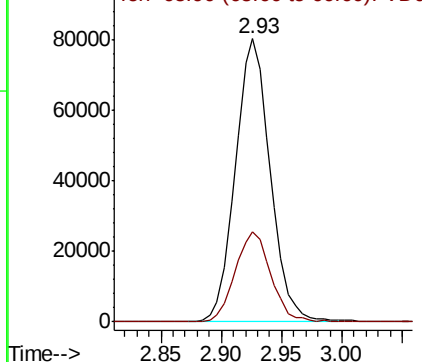
64 100

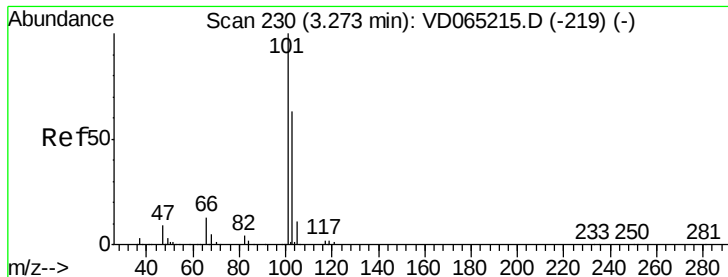
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



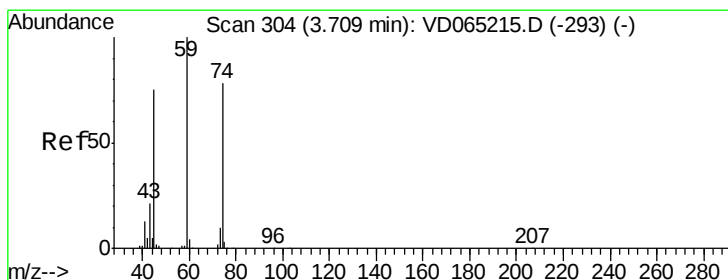
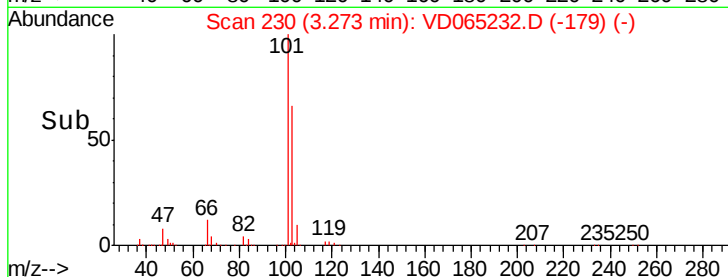
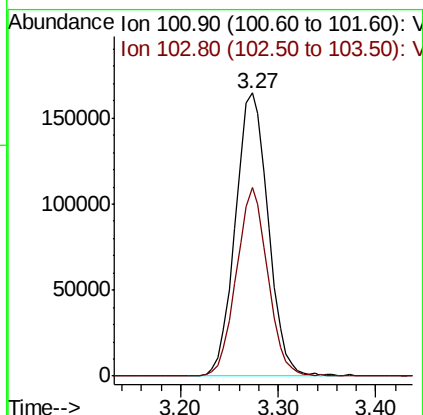
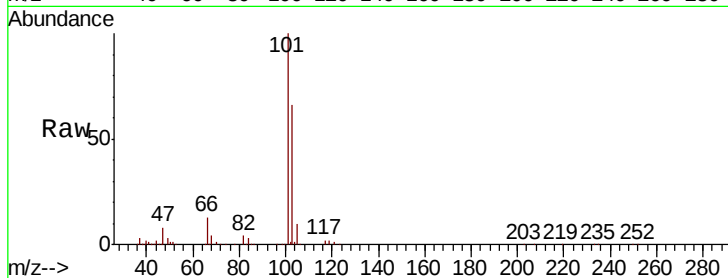


#7

Trichlorofluoromethane
Concen: 51.207 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :

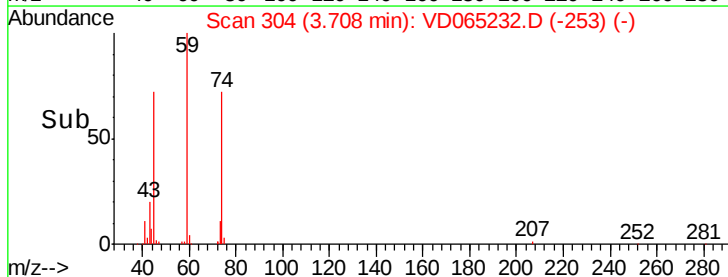
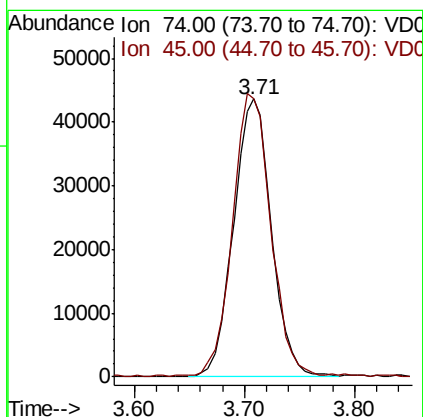
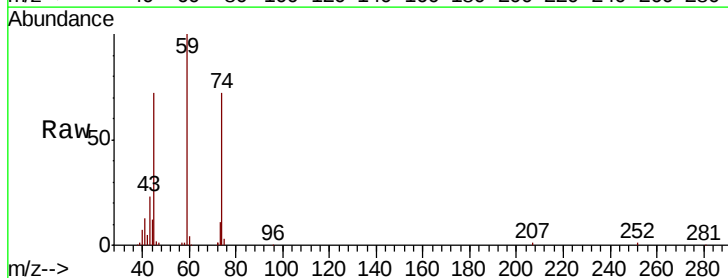
Tot Ion:101 Resp: 386685
Ion Ratio Lower Upper
101 100
103 66.5 50.7 76.1

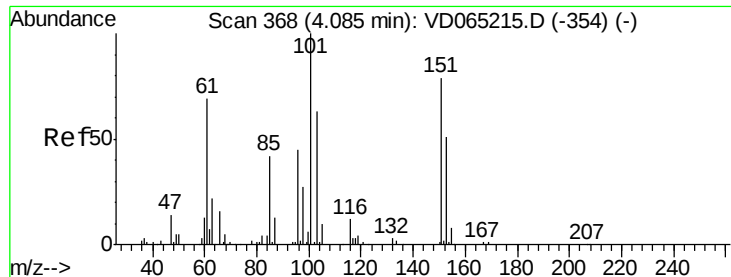


#8

Diethyl Ether
Concen: 46.067 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 74 Resp: 105007
Ion Ratio Lower Upper
74 100
45 101.3 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.634 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampled :

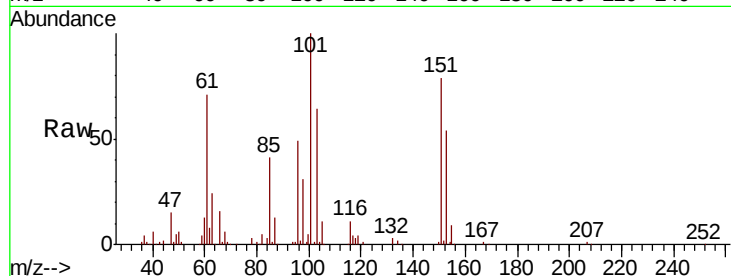
Tot Ion:101 Resp: 241459

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

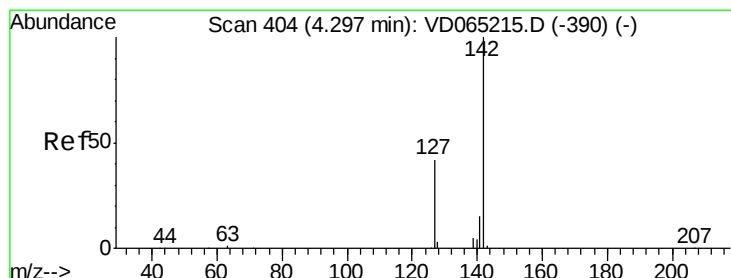
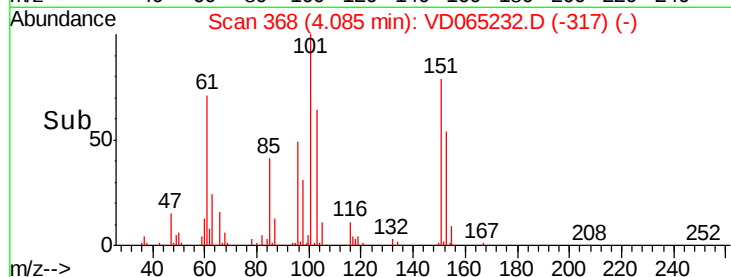
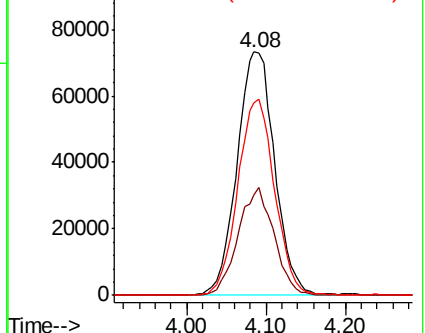
151 79.0 63.5 95.3



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: 51.235 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

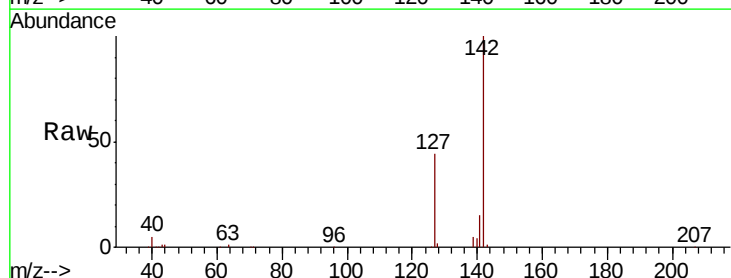
Tgt Ion:142 Resp: 253684

Ion Ratio Lower Upper

142 100

127 43.9 33.8 50.8

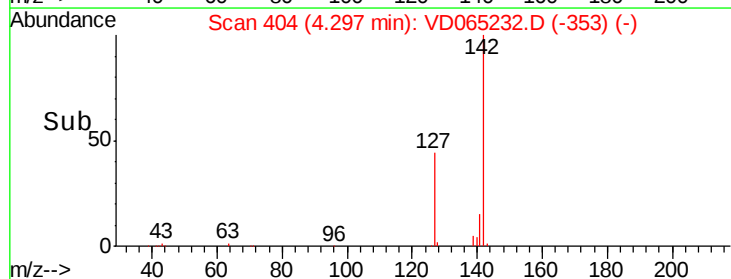
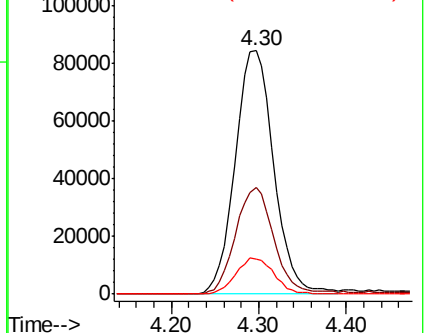
141 14.6 11.7 17.5

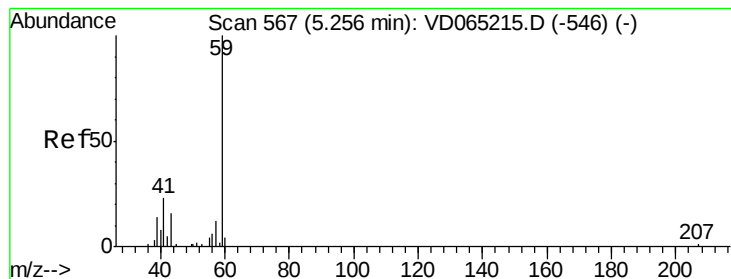


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



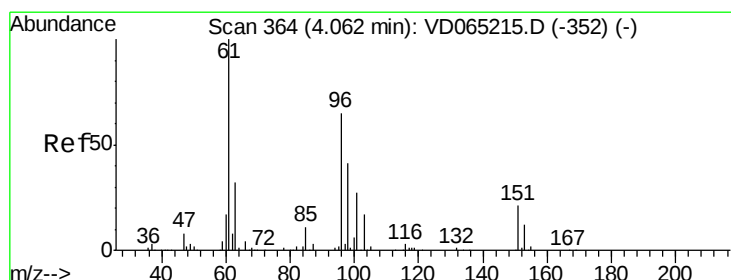
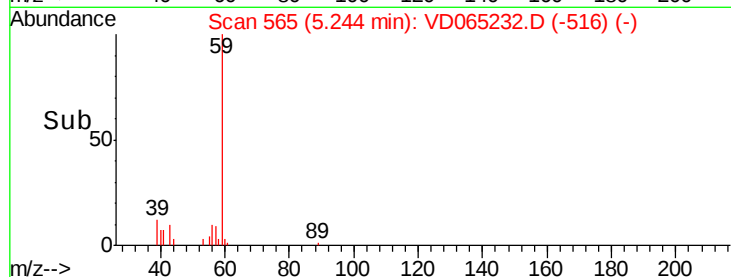
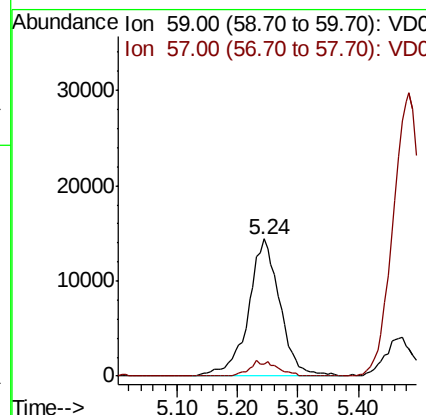
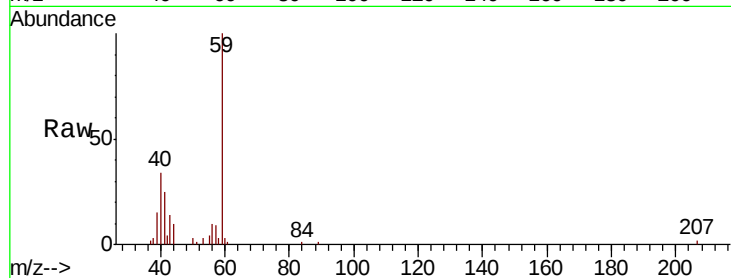


#11

Tert butyl alcohol
Concen: 200.568 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :

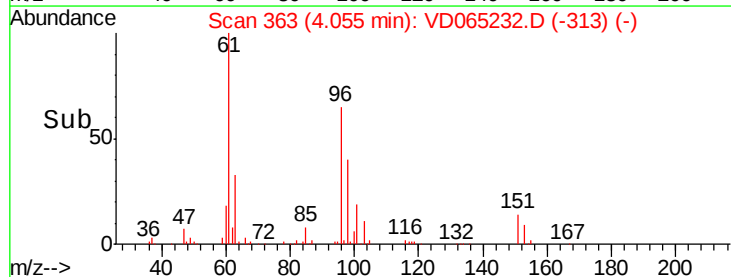
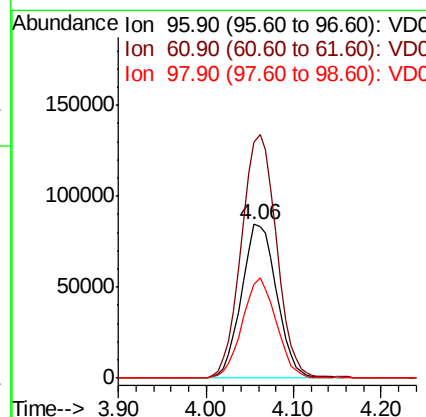
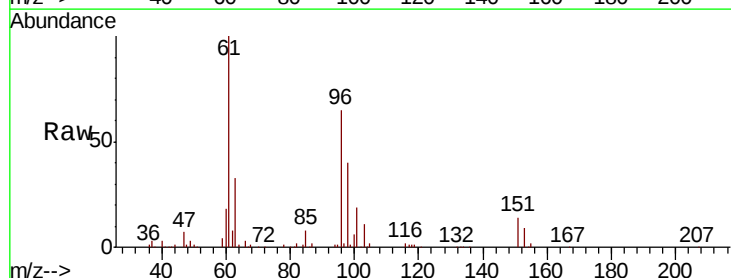
Tot Ion: 59 Resp: 52387
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12

1,1-Dichloroethene
Concen: 51.371 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 96 Resp: 231415
Ion Ratio Lower Upper
96 100
61 153.5 123.3 184.9
98 60.7 51.0 76.4





#13

Acrolein

Concen: 286.533 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

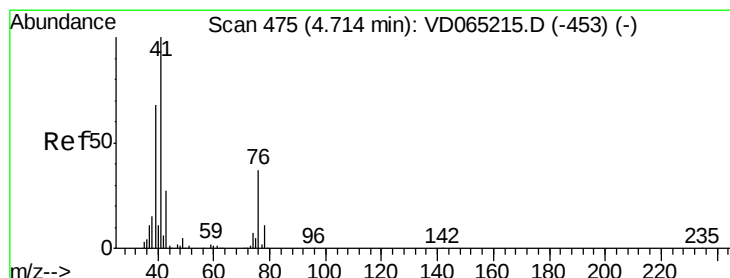
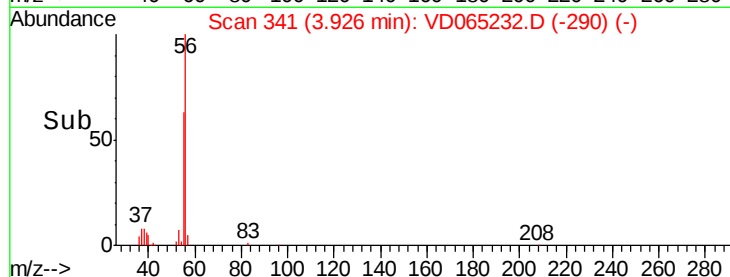
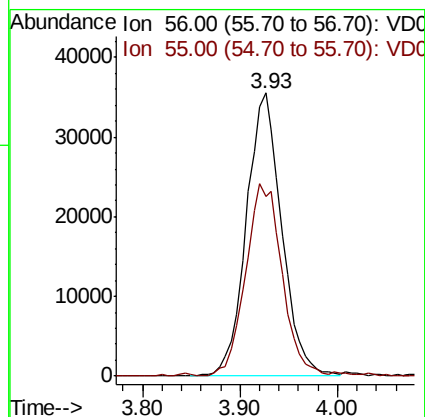
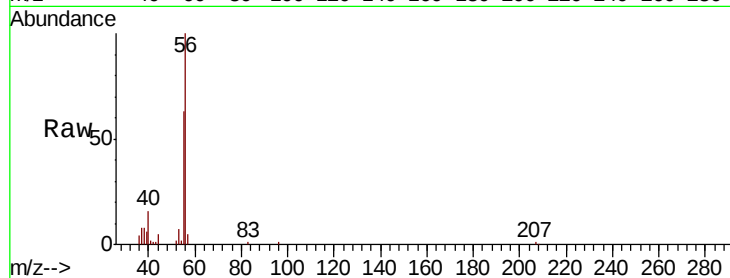
ClientSampleId :

Tot Ion: 56 Resp: 90306

Ion Ratio Lower Upper

56 100

55 70.0 56.6 85.0



#14

Allyl chloride

Concen: 50.936 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

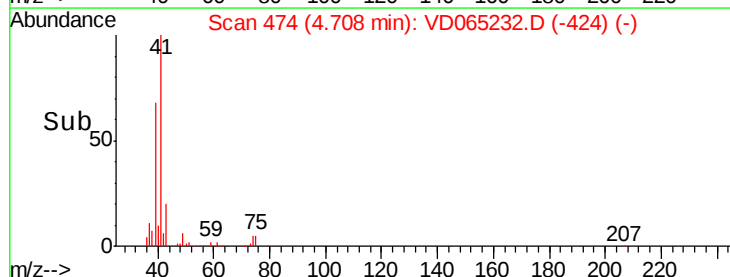
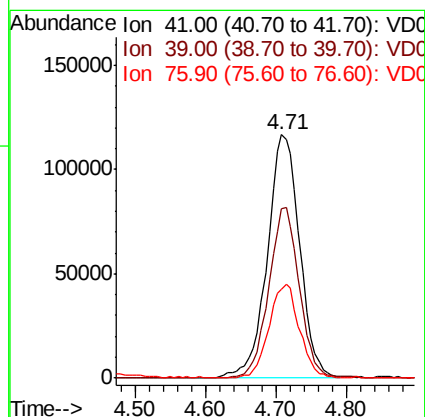
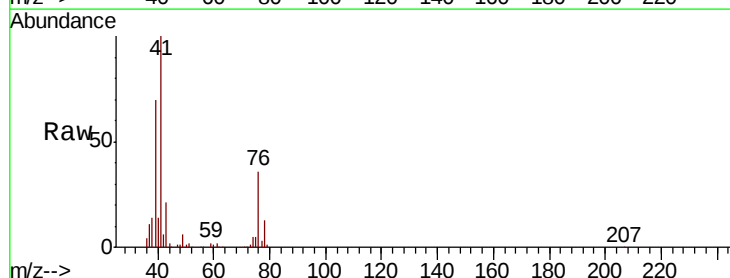
Tgt Ion: 41 Resp: 372612

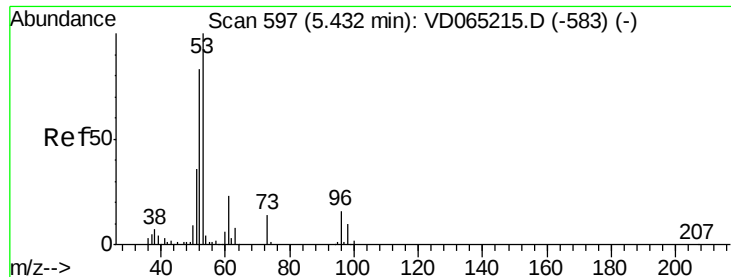
Ion Ratio Lower Upper

41 100

39 66.5 53.8 80.6

76 36.1 28.7 43.1





#15

Acrylonitrile

Concen: 230.414 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

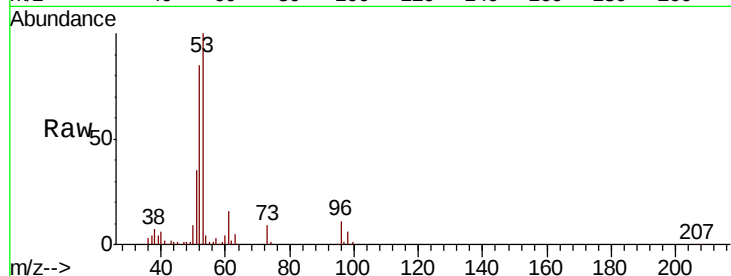
Instrument :

MSVOA_D

ClientSampleID :

Tot Ion: 53 Resp: 232529

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.2
51	37.6	29.5	44.3

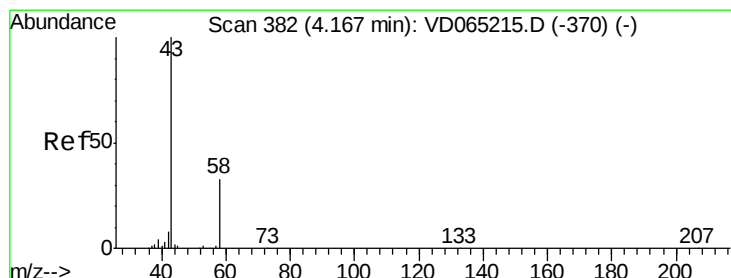
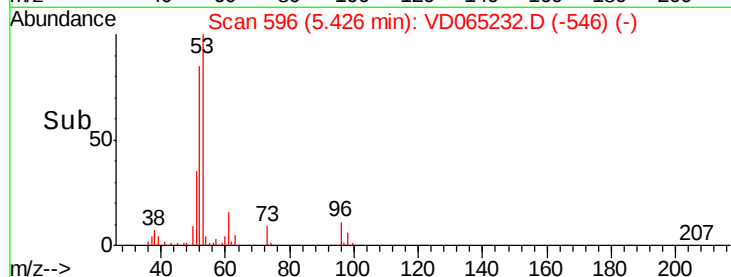
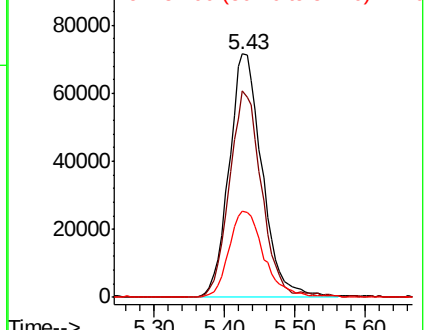


Abundance

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: 245.507 ug/l

RT: 4.16 min Scan# 381

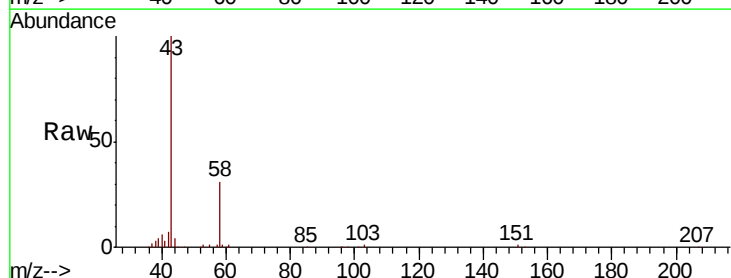
Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion: 43 Resp: 262319

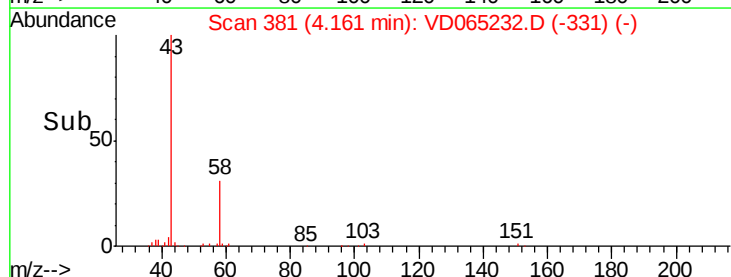
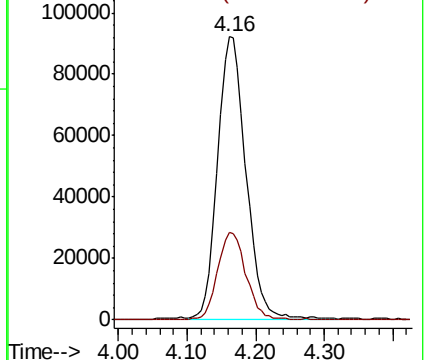
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.2	39.2

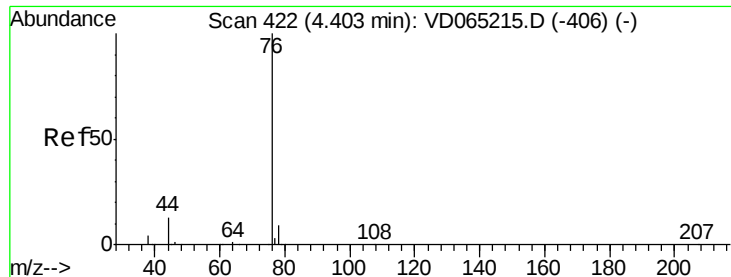


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

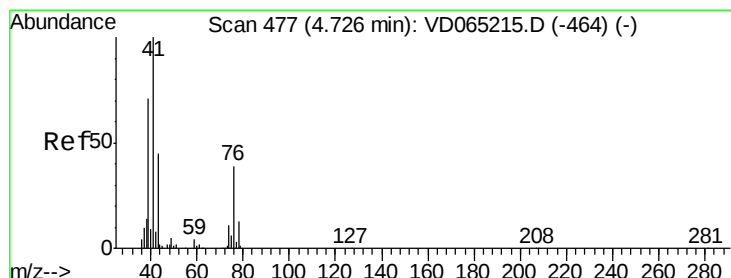
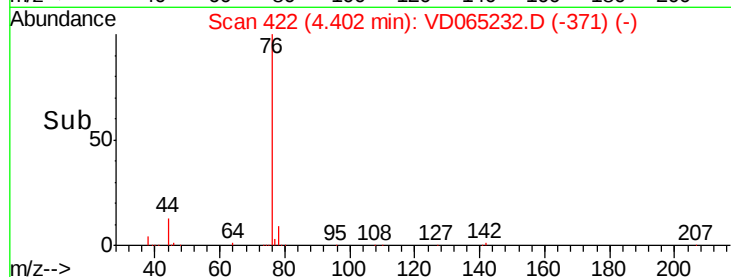
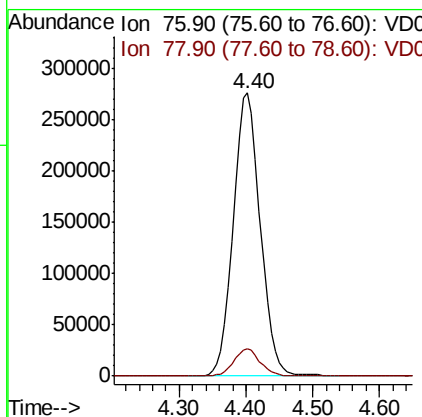
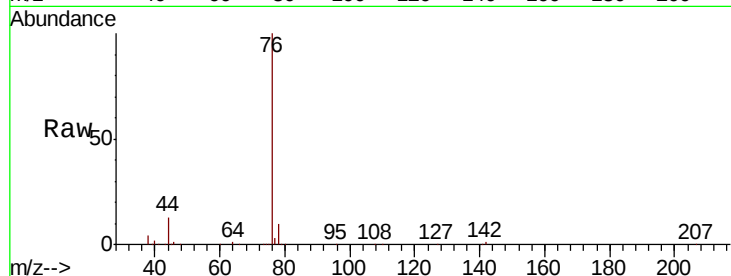




#17
Carbon Disulfide
Concen: 51.332 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

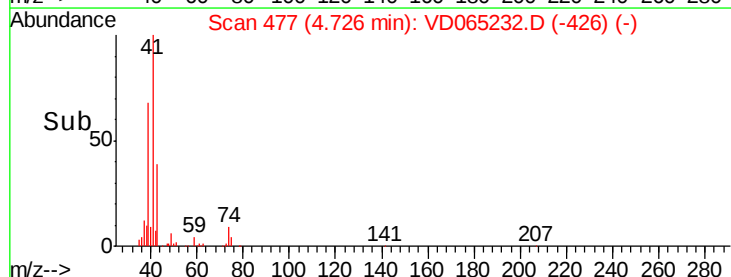
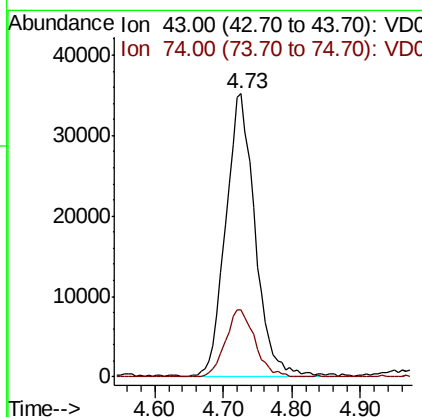
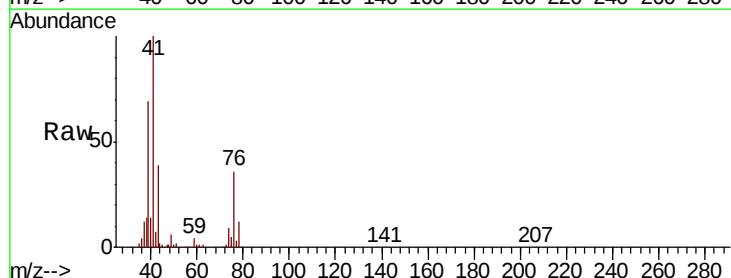
Instrument :
MSVOA_D
ClientSampleId :

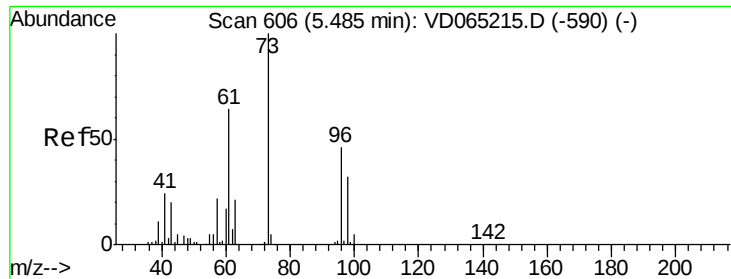
Tot Ion: 76 Resp: 775253
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 43.758 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 43 Resp: 105155
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2

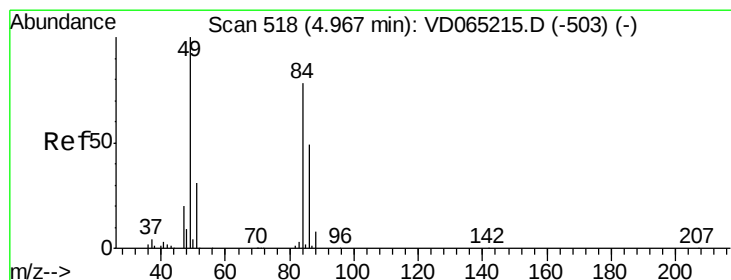
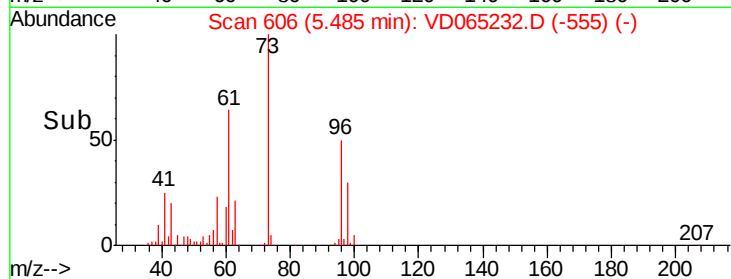
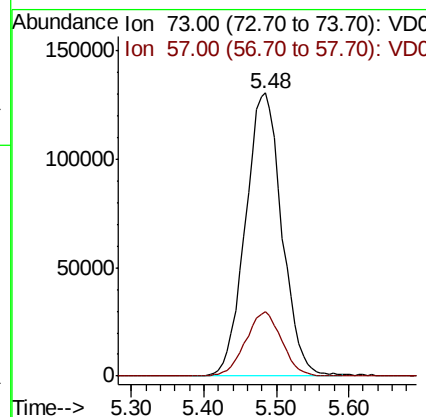
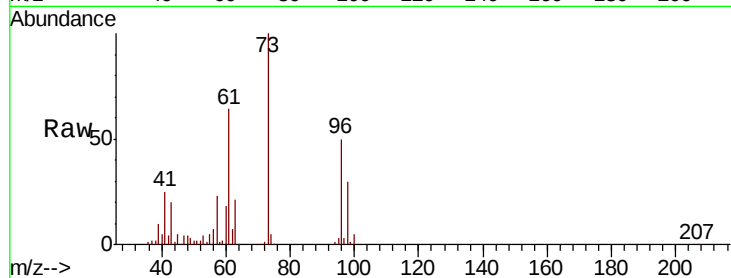




#19
Methvl tert-butvl Ether
Concen: 48.578 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

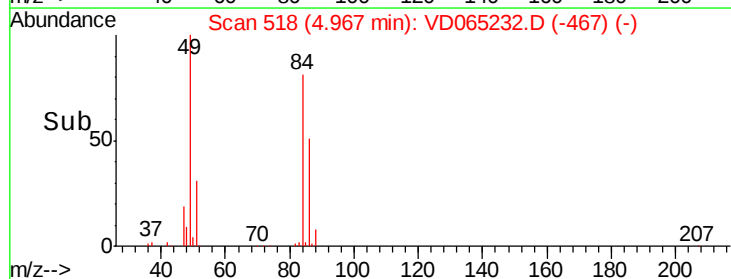
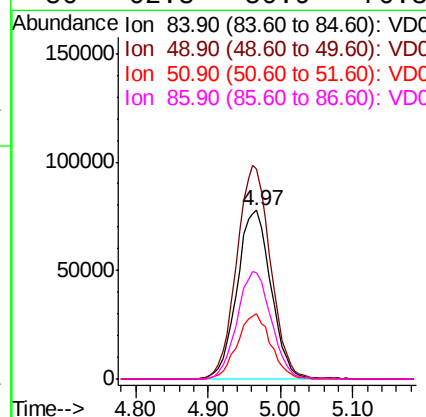
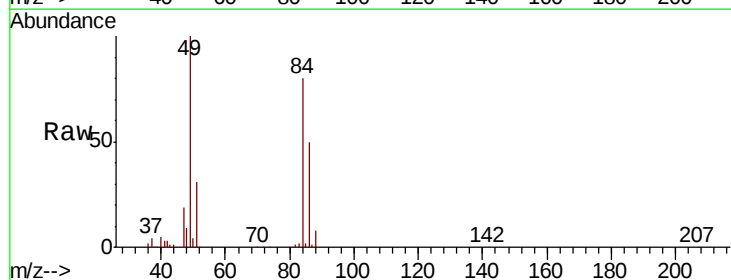
Instrument :
MSVOA_D
ClientSampleId :

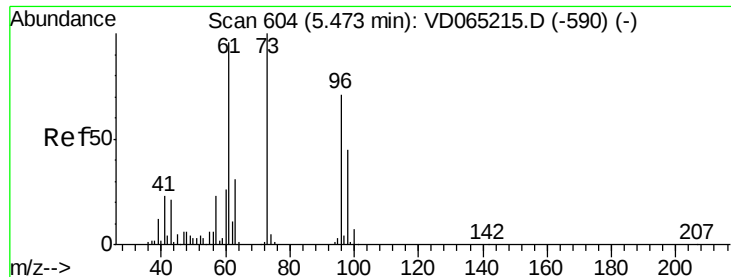
Tot Ion: 73 Resp: 456340
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9



#20
Methylene Chloride
Concen: 53.578 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 84 Resp: 253283
Ion Ratio Lower Upper
84 100
49 124.8 103.1 154.7
51 38.7 31.7 47.5
86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.117 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :

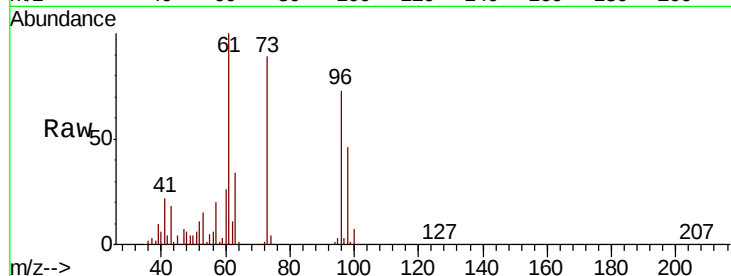
Tot Ion: 96 Resp: 261778

Ion Ratio Lower Upper

96 100

61 137.2 108.3 162.5

98 62.4 50.7 76.1

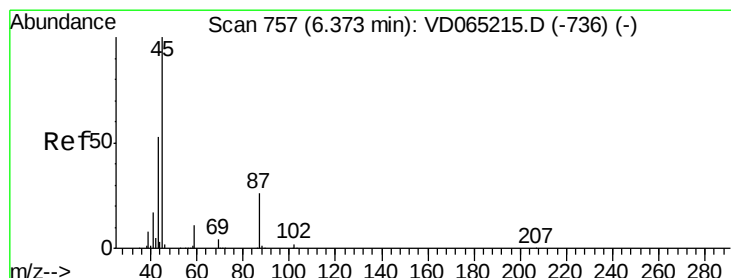
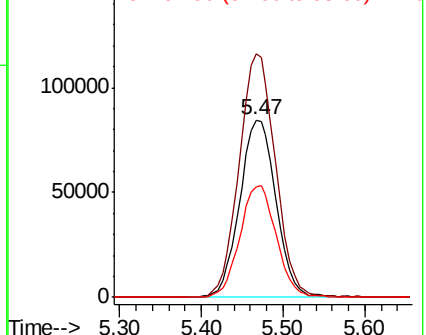
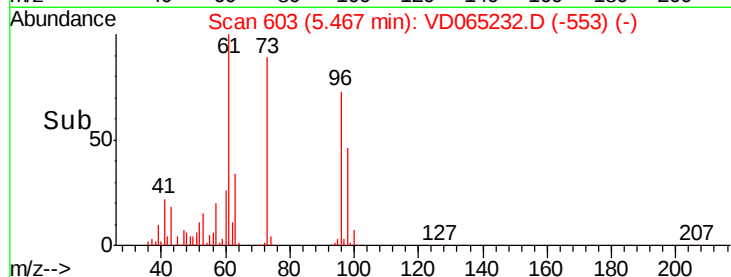


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.355 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion: 45 Resp: 724229

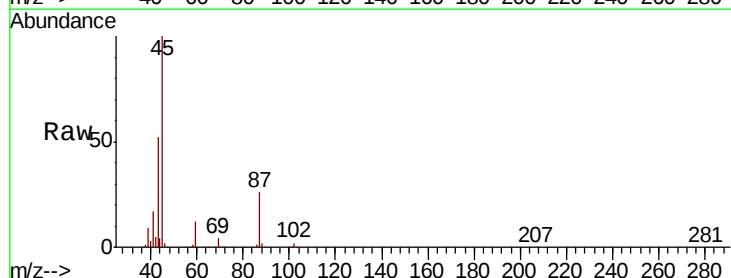
Ion Ratio Lower Upper

45 100

43 51.7 42.6 64.0

87 26.3 21.2 31.8

59 11.9 8.9 13.3



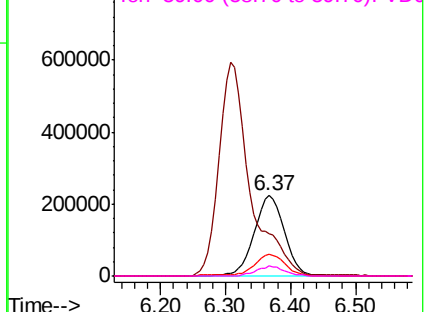
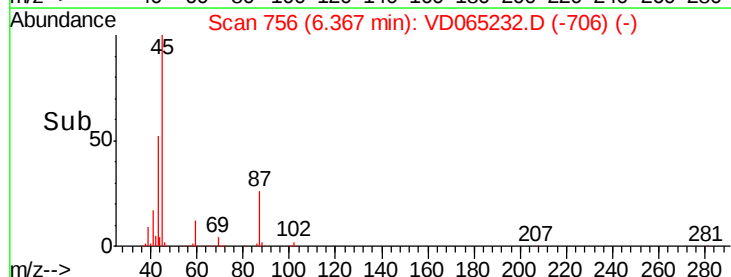
Abundance

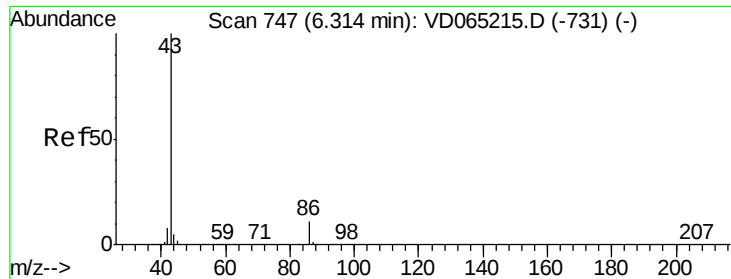
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 254.603 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

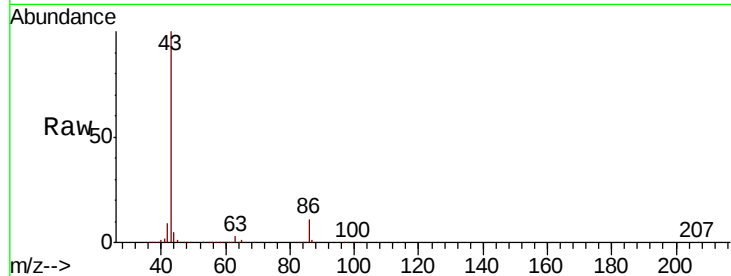
ClientSampleId :

Tot Ion: 43 Resp: 1979431

Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

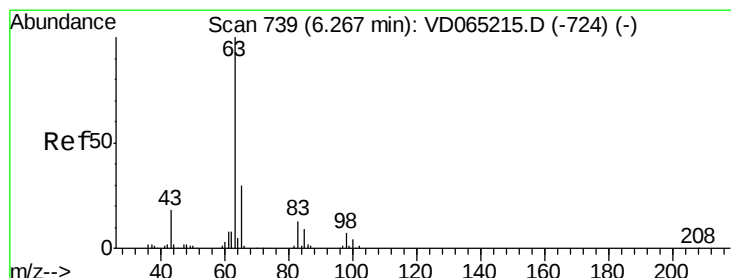
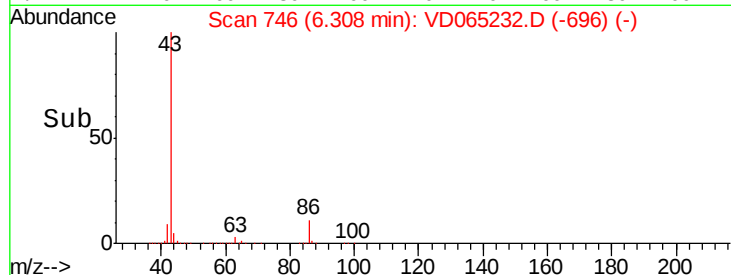
400000

200000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.015 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

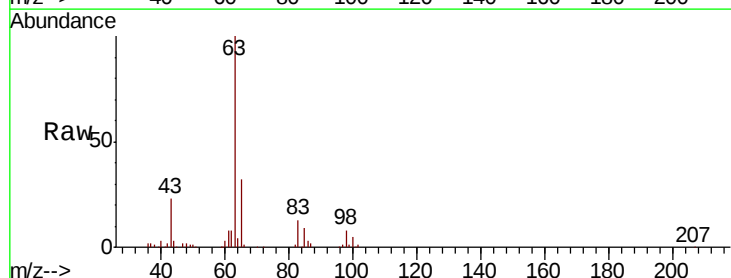
Tgt Ion: 63 Resp: 437493

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.8 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

150000

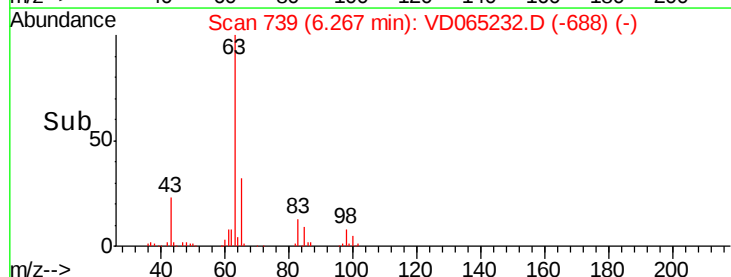
100000

50000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 229.944 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

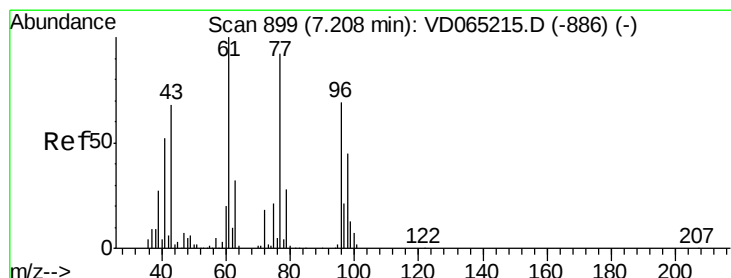
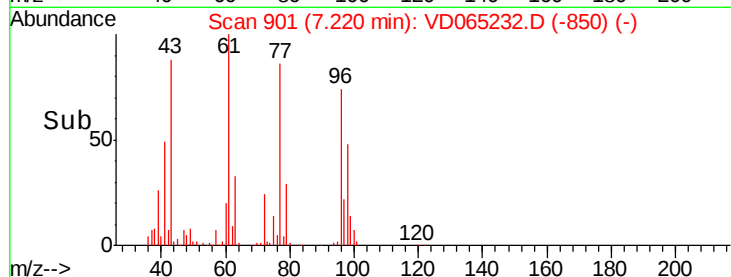
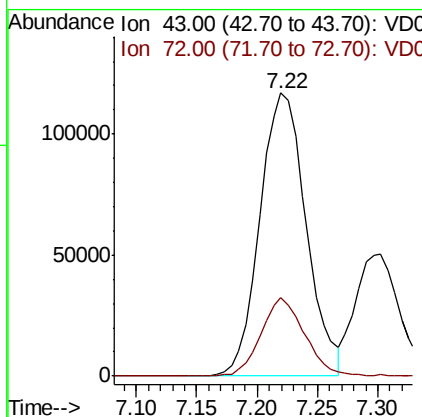
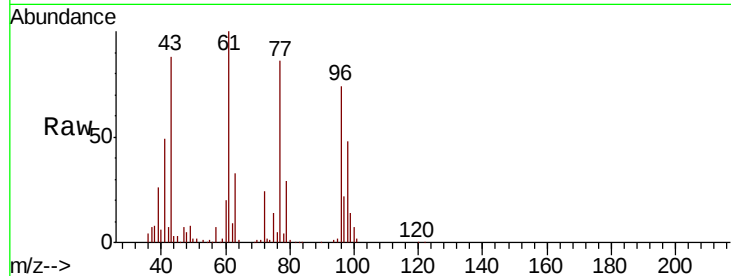
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 310852

Ion Ratio Lower Upper

43 100

72 27.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 51.081 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065232.D

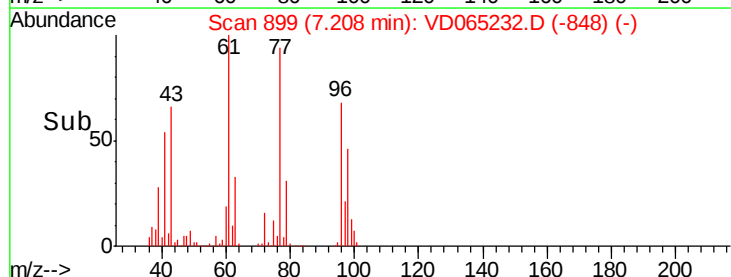
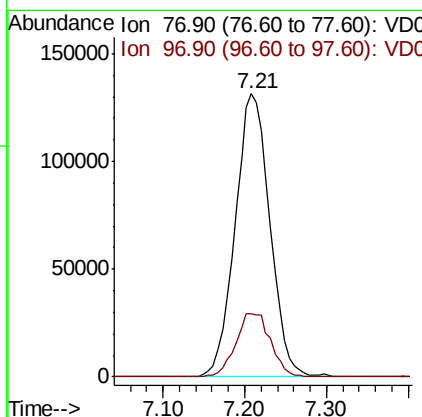
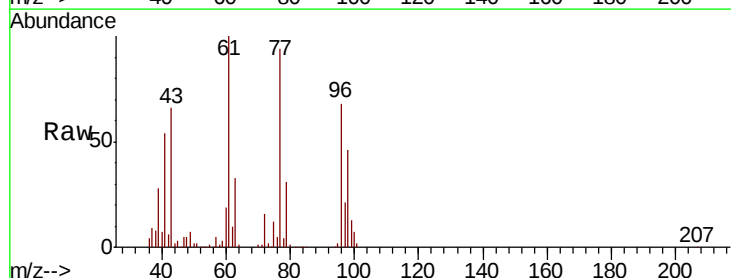
Acq: 19 Feb 2020 11:49

Tgt Ion: 77 Resp: 387669

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1



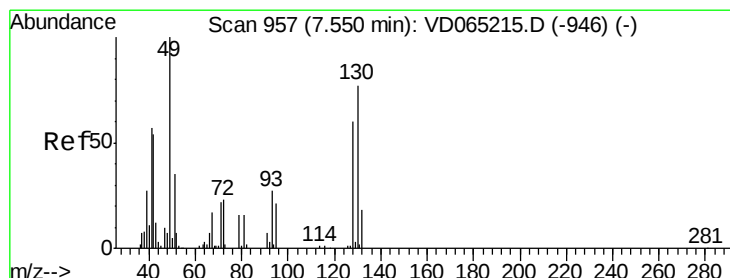
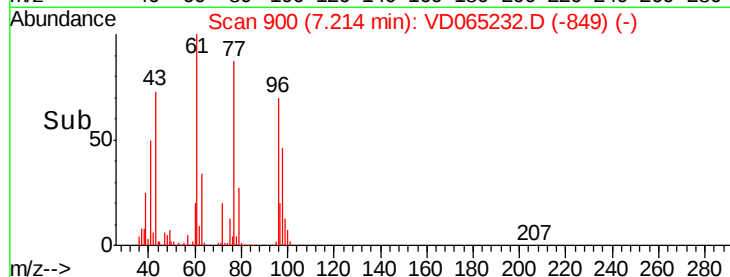
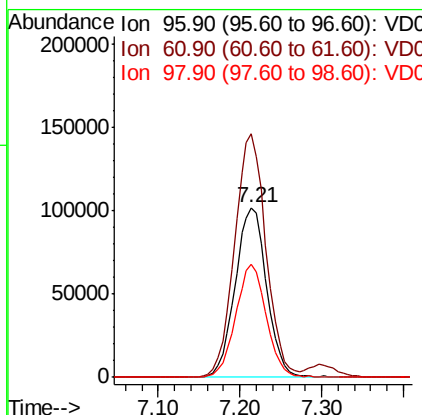
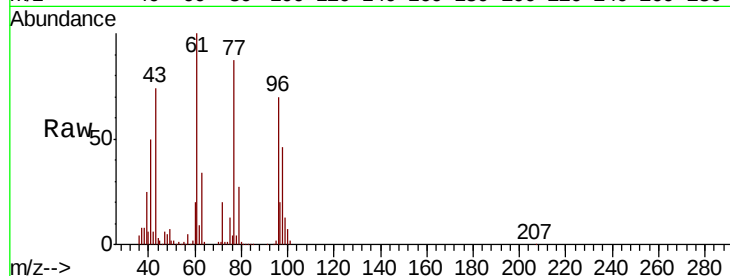


#27

cis-1,2-Dichloroethene
 Concen: 50.308 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

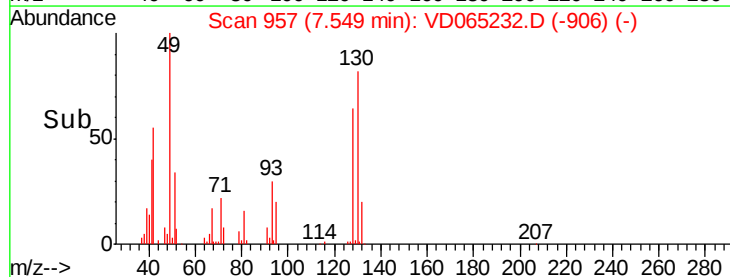
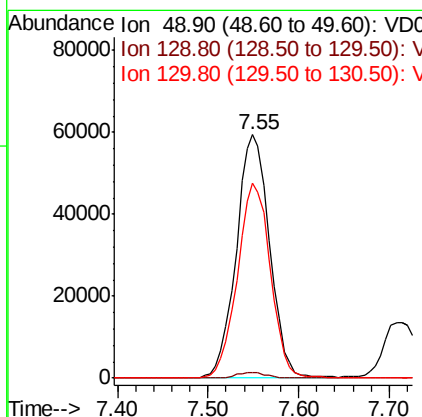
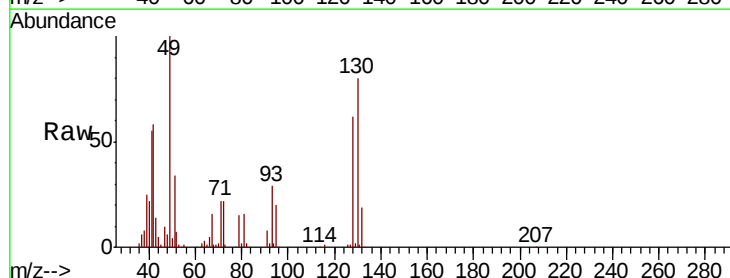
Tot Ion	96	Resp	272900
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	286.0
98	64.4	0.0	127.8

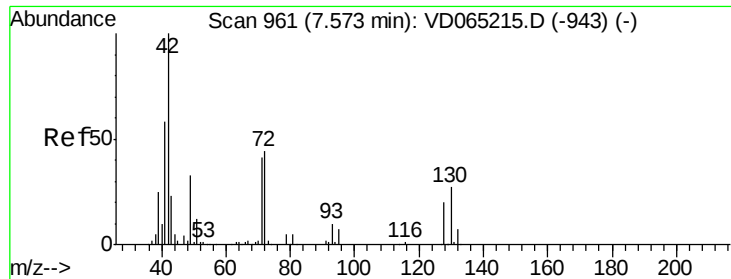


#28

Bromochloromethane
 Concen: 46.838 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	49	Resp	151996
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	79.0	64.7	97.1

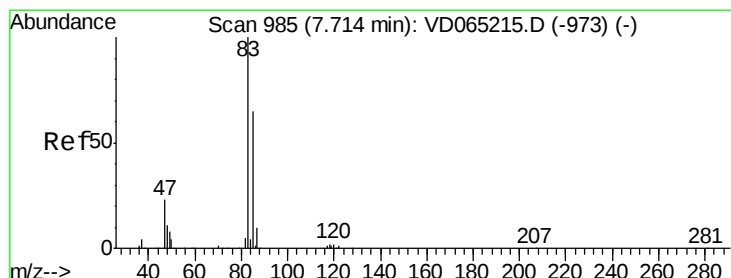
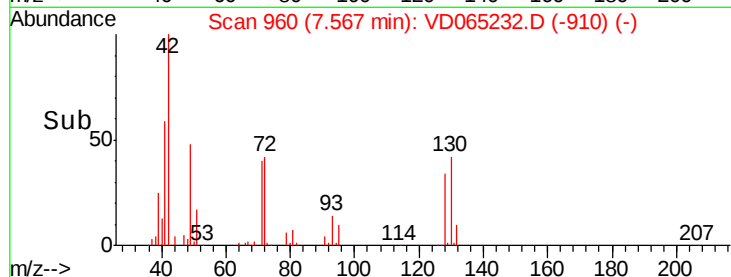
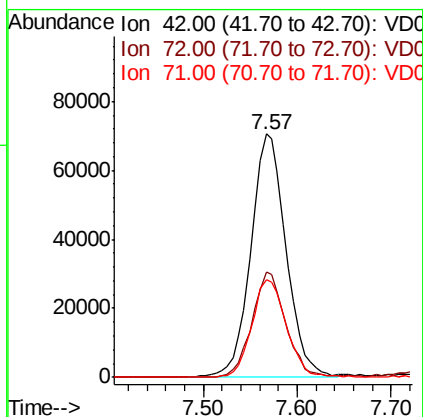
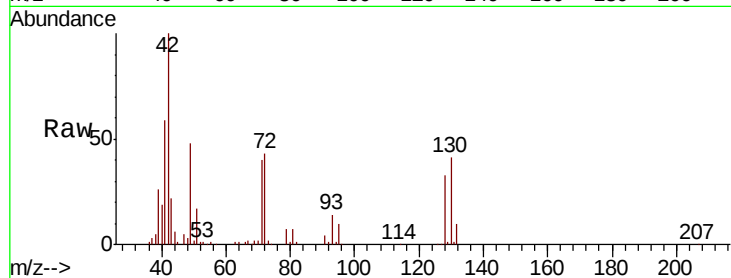




#29
Tetrahydrofuran
Concen: 231.188 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

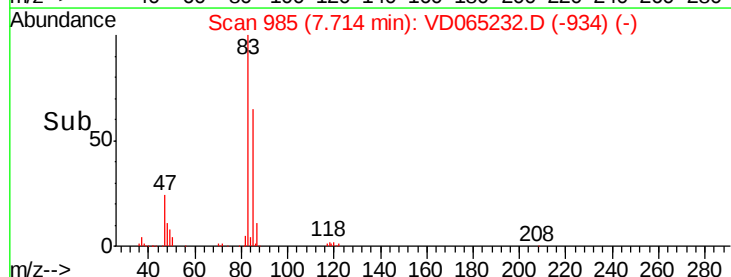
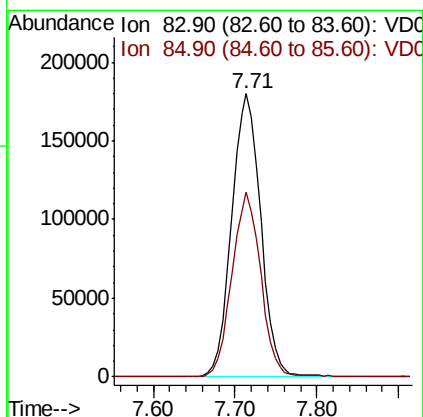
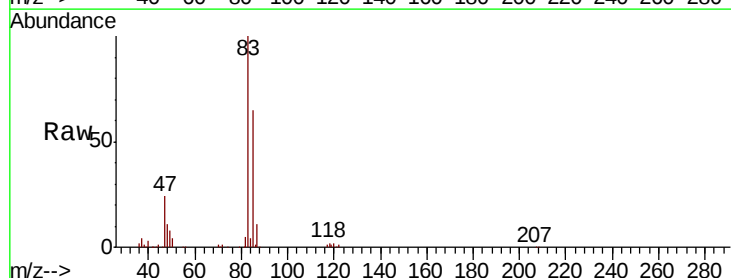
Instrument :
MSVOA_D
ClientSampleId :

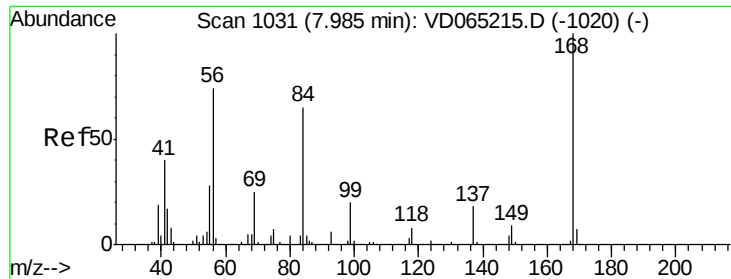
Tot Ion: 42 Resp: 183121
Ion Ratio Lower Upper
42 100
72 41.3 33.7 50.5
71 39.2 31.4 47.2



#30
Chloroform
Concen: 50.496 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 83 Resp: 445002
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5

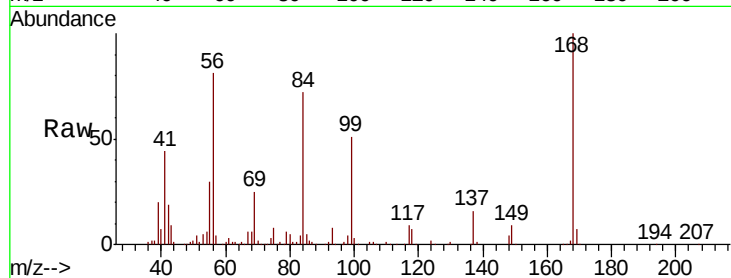




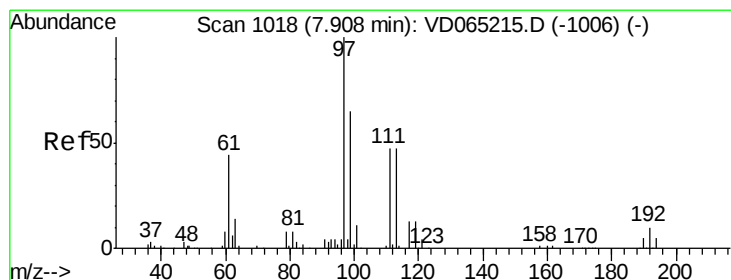
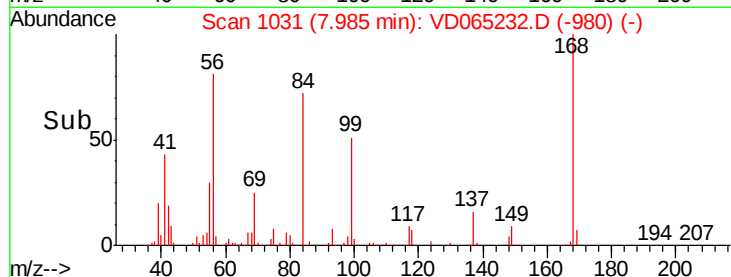
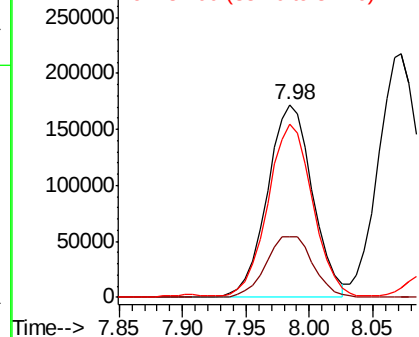
#31
Cyclohexane
Concen: 49.607 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 426338
Ion Ratio Lower Upper
56 100
69 31.3 27.4 41.0
84 88.6 71.1 106.7

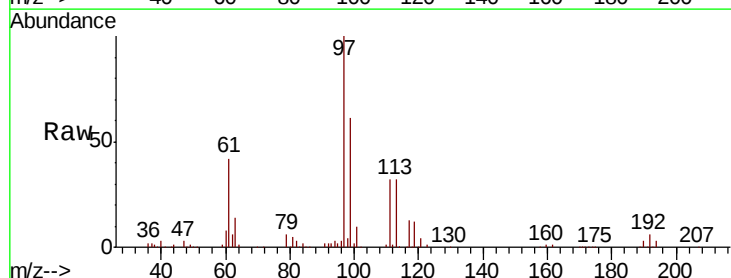


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

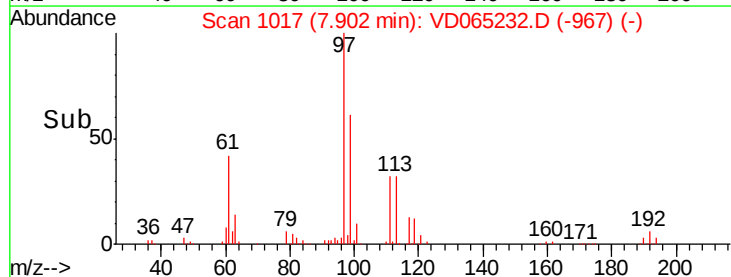
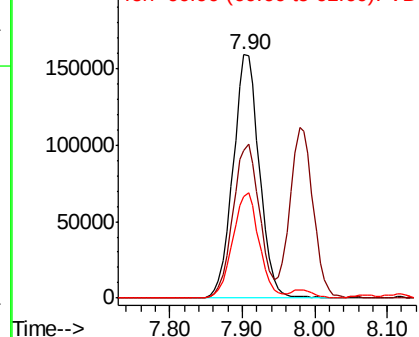


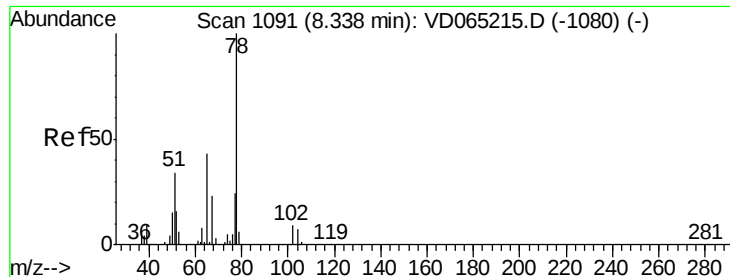
#32
1,1,1-Trichloroethane
Concen: 50.944 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 97 Resp: 401681
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 43.6 34.8 52.2



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: 45.871 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

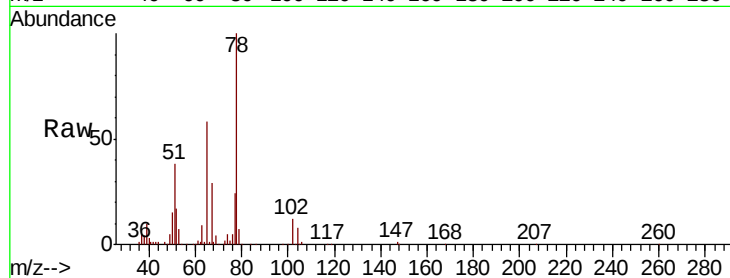
ClientSampled :

Tot Ion: 65 Resp: 200503

Ion Ratio Lower Upper

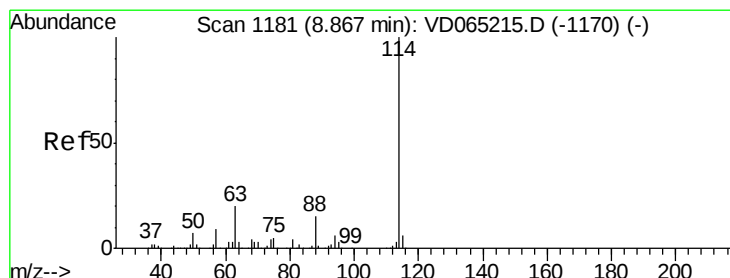
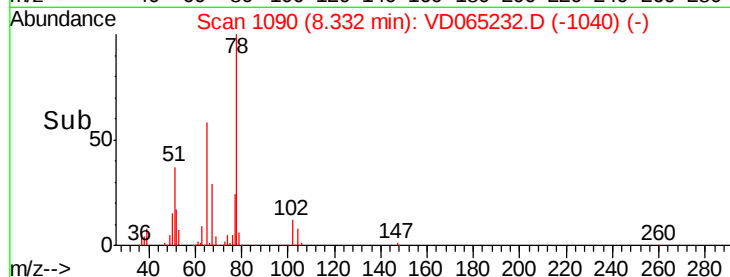
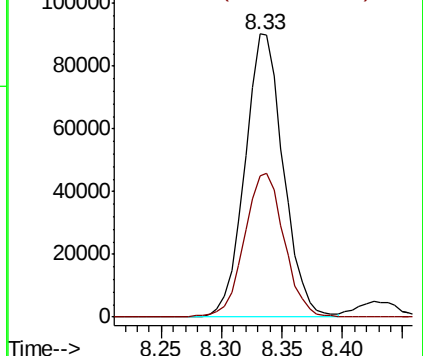
65 100

67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

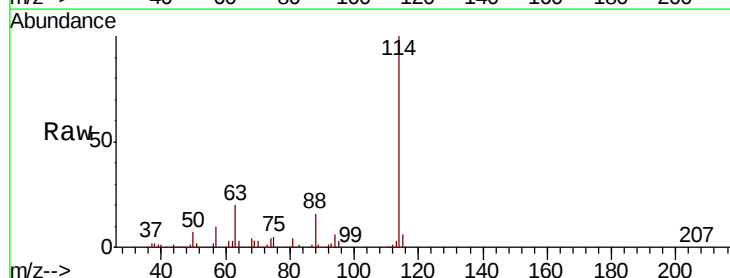
Tgt Ion: 114 Resp: 699836

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

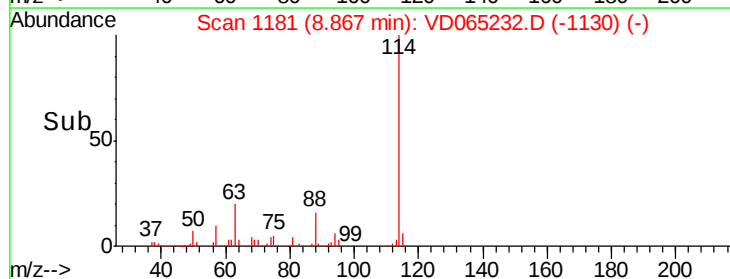
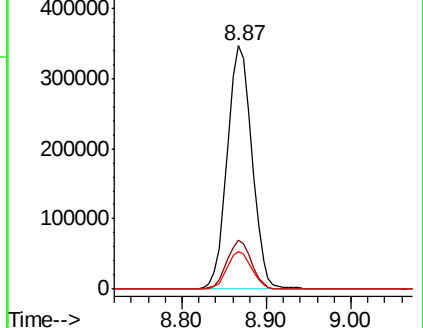
88 15.5 0.0 30.4

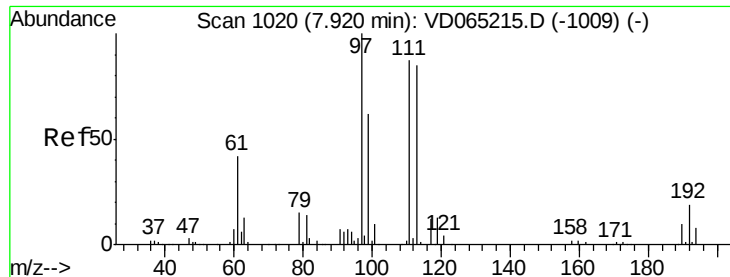


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

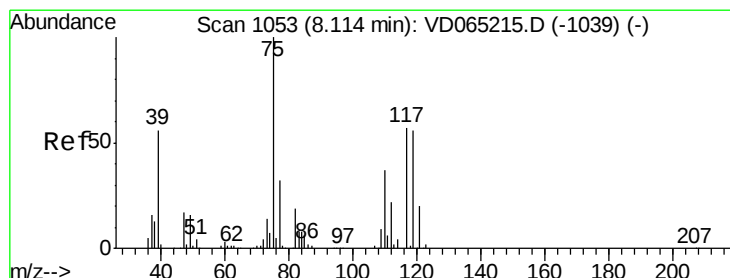
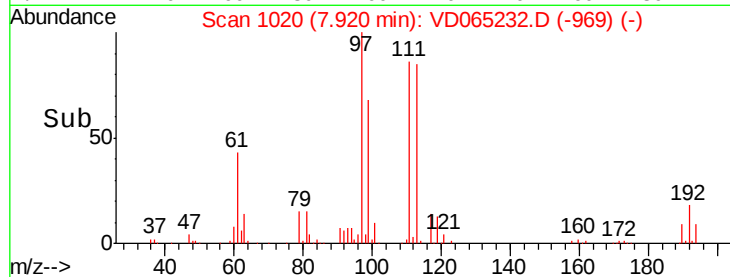
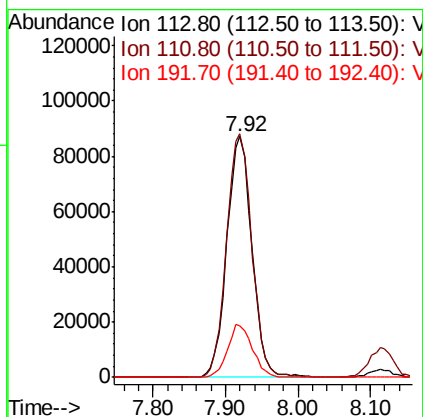
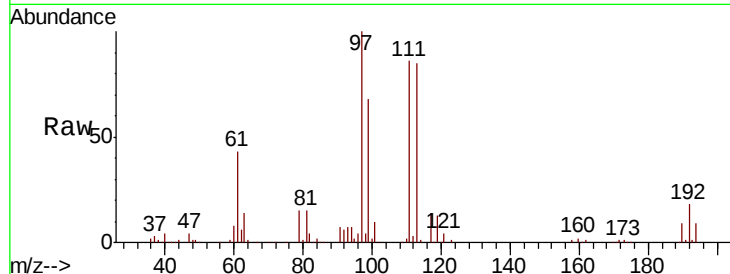




#35
 Dibromofluoromethane
 Concen: 49.131 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

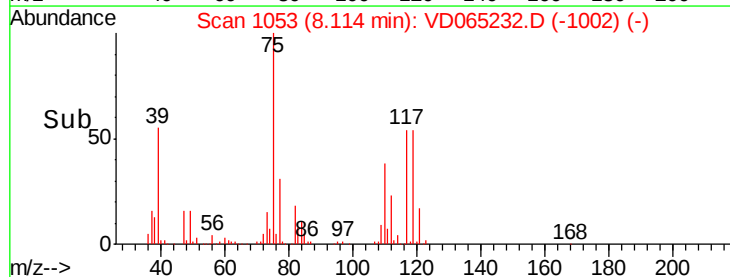
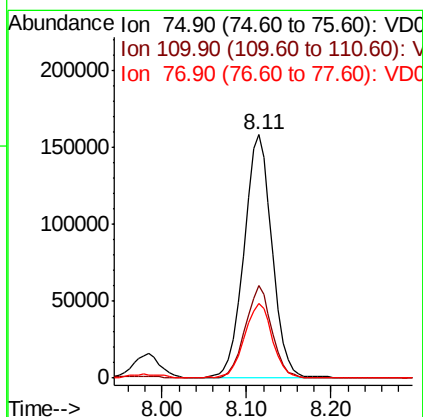
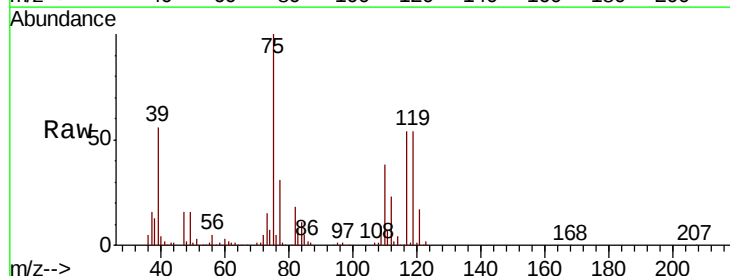
Instrument :
 MSVOA_D
 ClientSampleId :

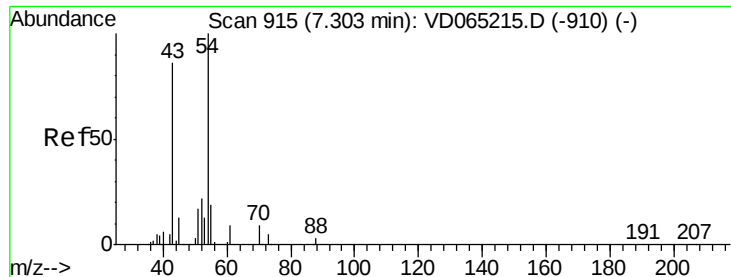
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 53.570 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.9	53.7
77	31.0	25.1	37.7

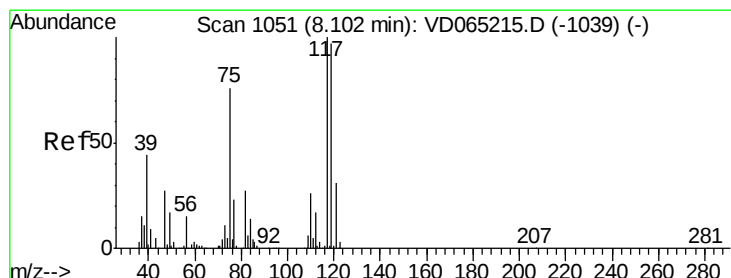
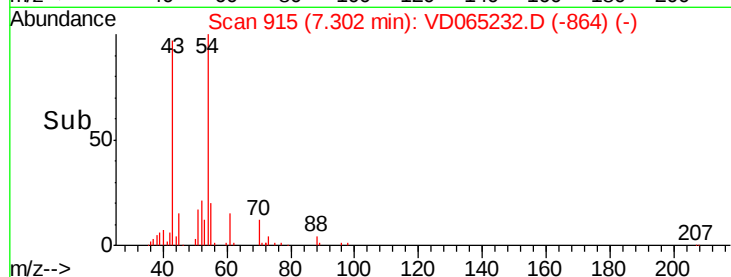
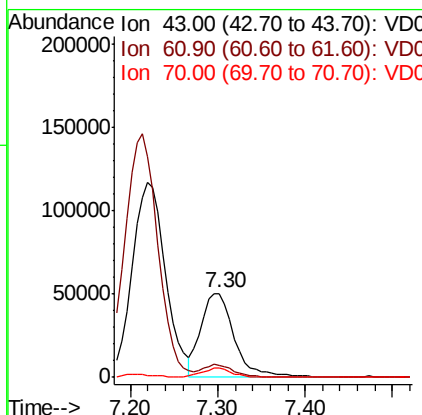
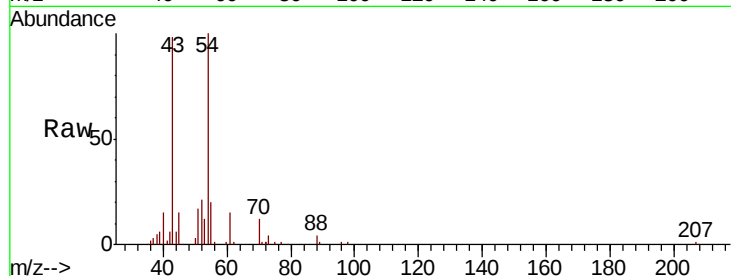




#37
Ethyl Acetate
Concen: 46.506 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

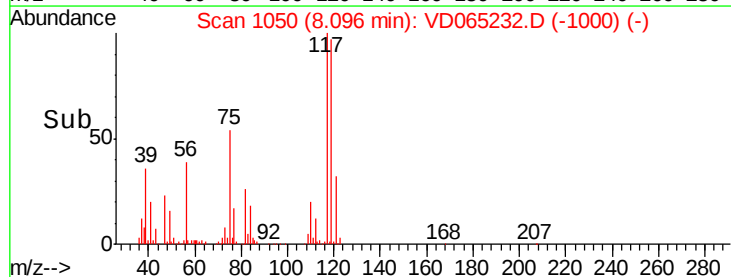
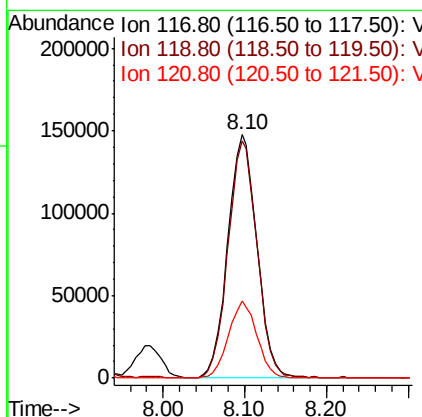
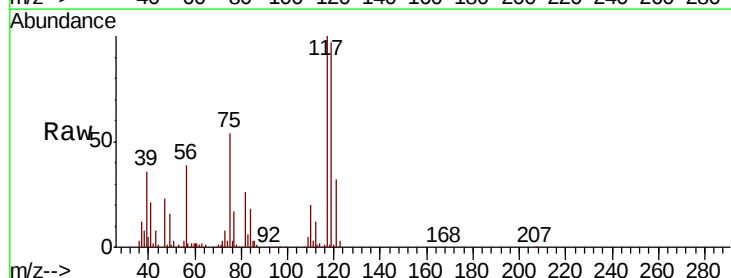
Instrument :
MSVOA_D
ClientSampleId :

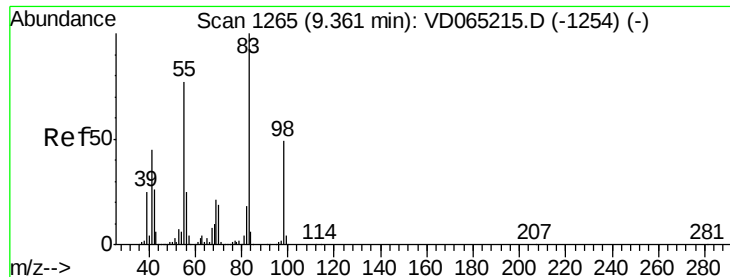
Tot Ion: 43 Resp: 132387
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 52.667 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 117 Resp: 365082
Ion Ratio Lower Upper
117 100
119 97.3 77.6 116.4
121 31.6 24.8 37.2

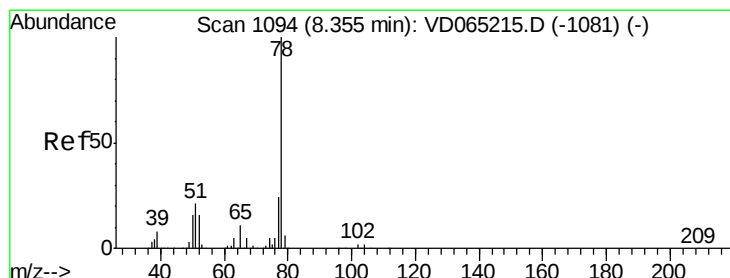
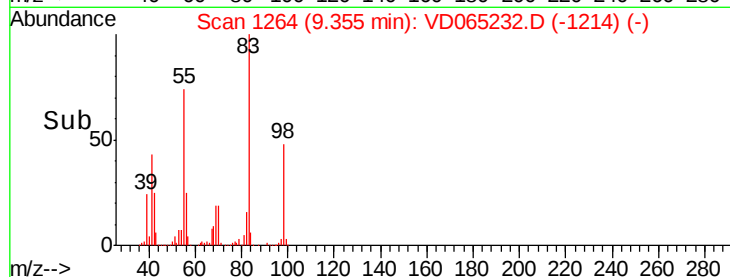
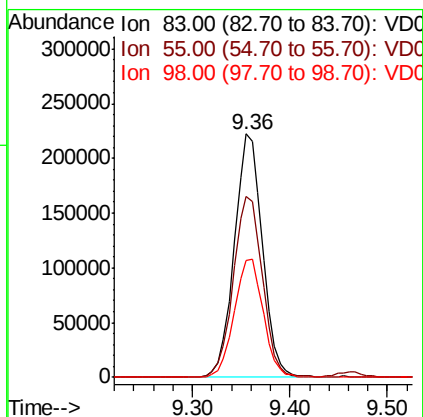
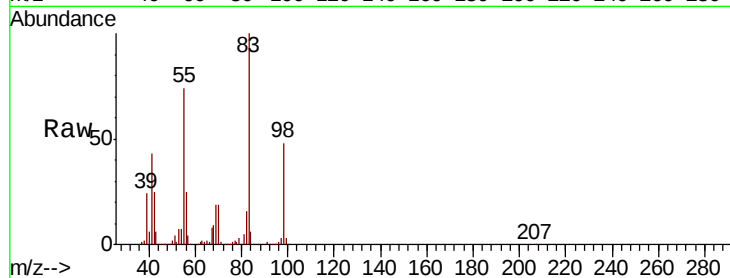




#39
Methvlcvclohexane
Concen: 55.720 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

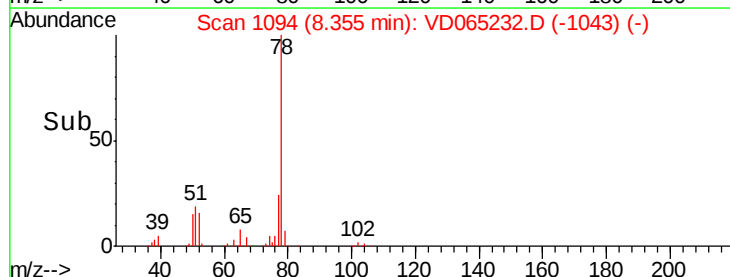
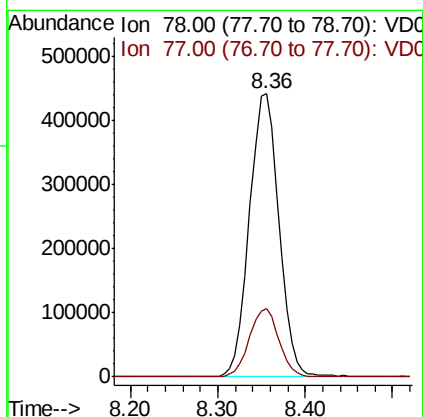
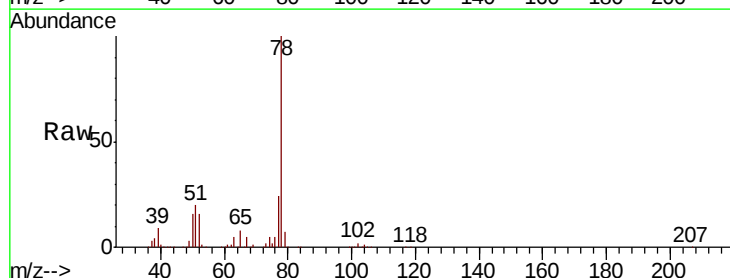
Instrument :
MSVOA_D
ClientSampleId :

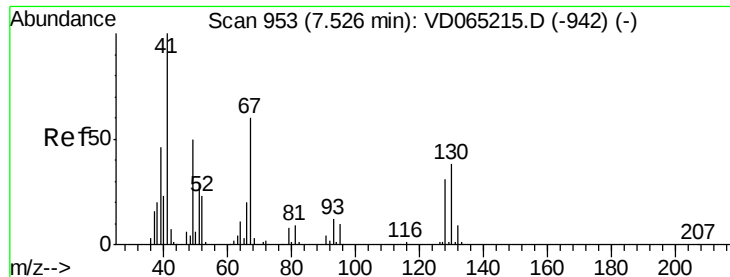
Tot Ion: 83 Resp: 446064
Ion Ratio Lower Upper
83 100
55 74.4 61.8 92.6
98 48.0 39.4 59.0



#40
Benzene
Concen: 52.833 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 78 Resp: 1015468
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

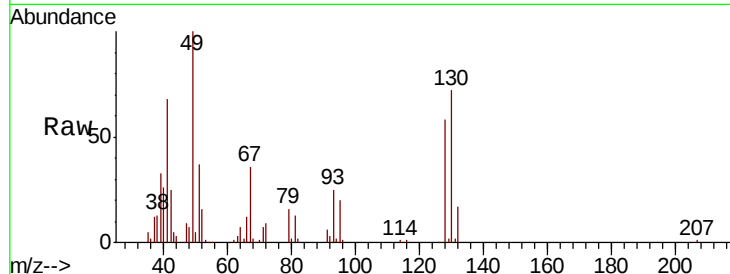




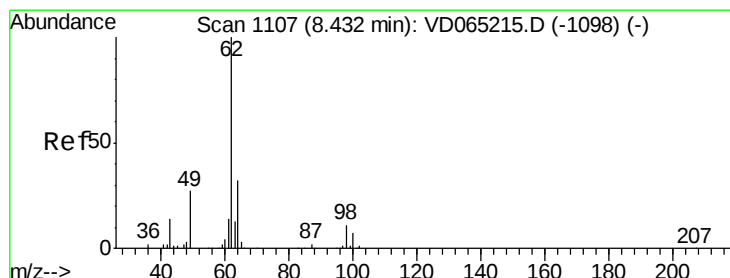
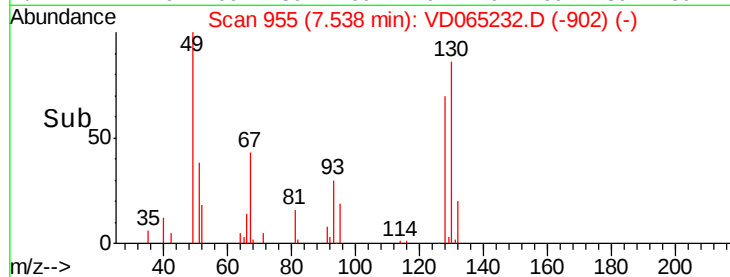
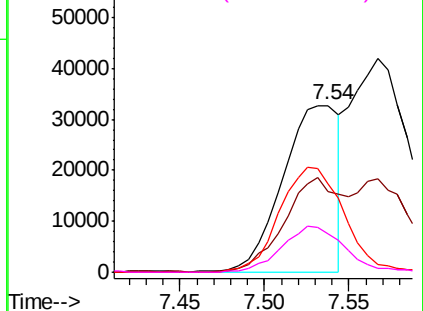
#41
Methacrylonitrile
Concen: 45.886 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 75420
Ion Ratio Lower Upper
41 100
39 59.5 48.1 72.1
67 72.7 58.9 88.3
52 30.8 24.2 36.2

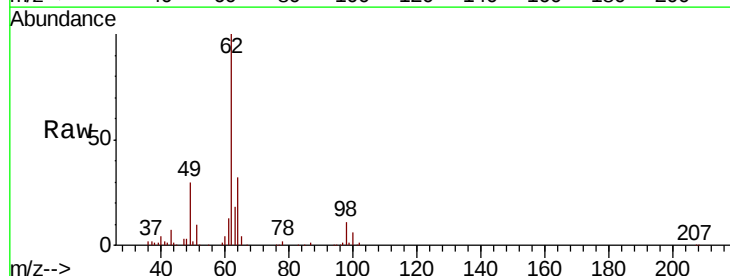


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

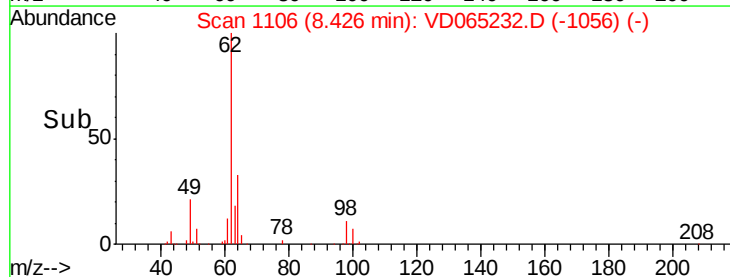
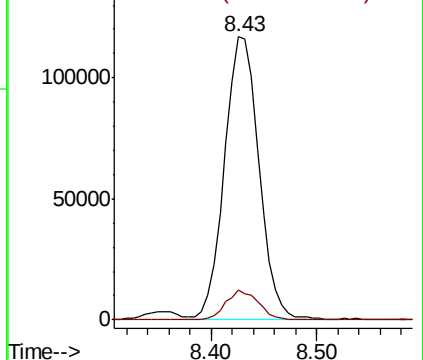


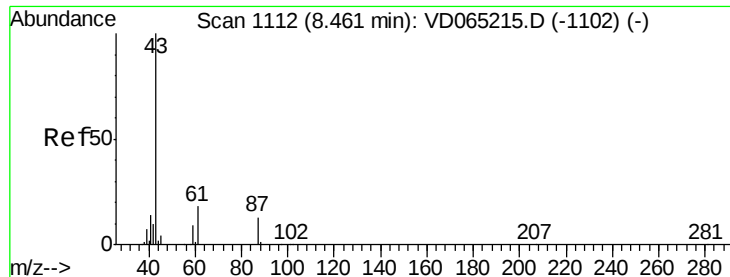
#42
1,2-Dichloroethane
Concen: 49.950 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 62 Resp: 263934
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 47.566 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

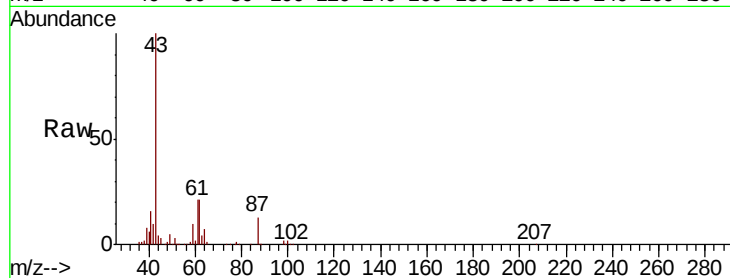
Tot Ion: 43 Resp: 246229

Ion Ratio Lower Upper

43 100

61 31.1 24.6 36.8

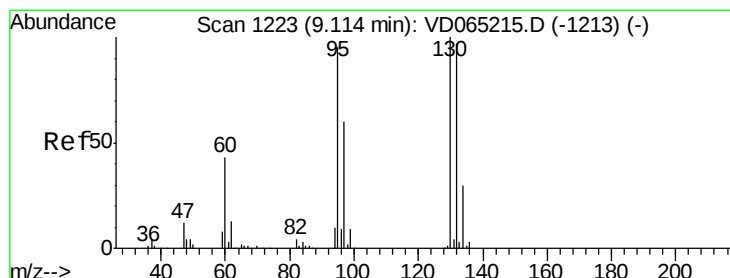
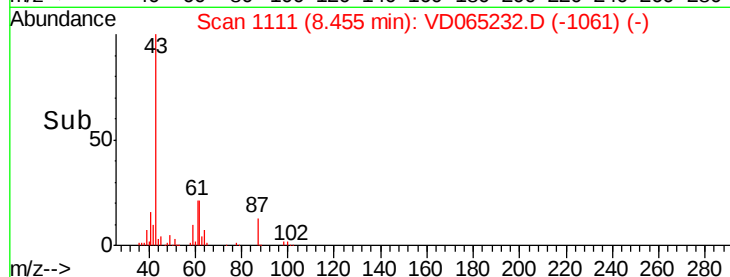
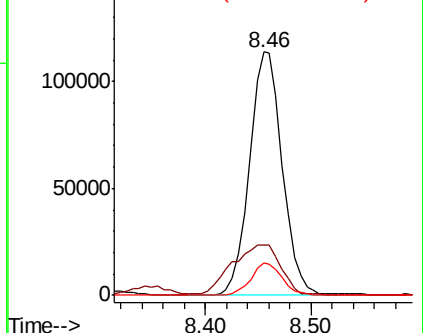
87 12.6 10.6 16.0



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: 52.125 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065232.D

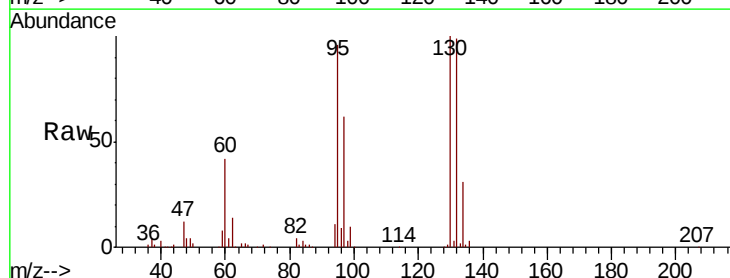
Acq: 19 Feb 2020 11:49

Tgt Ion:130 Resp: 277709

Ion Ratio Lower Upper

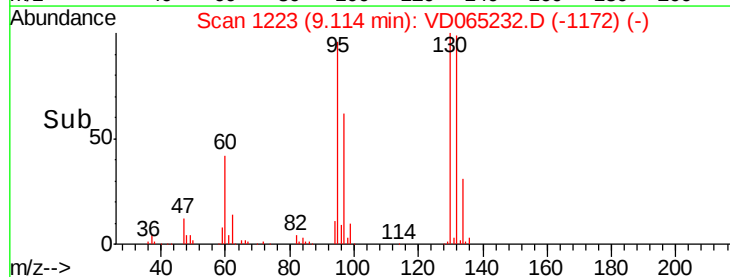
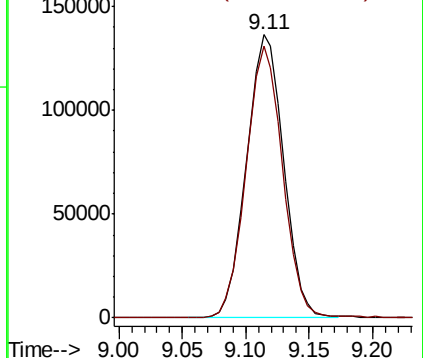
130 100

95 95.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.211 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

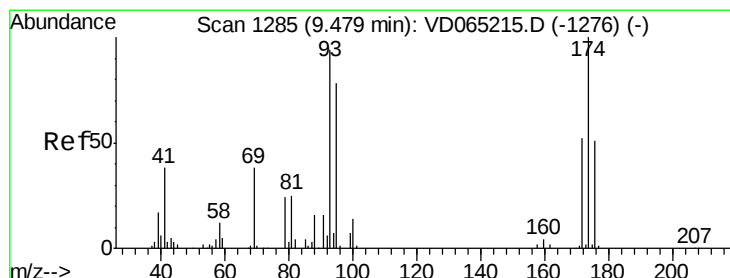
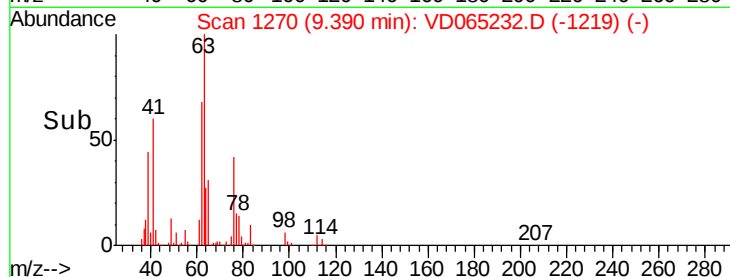
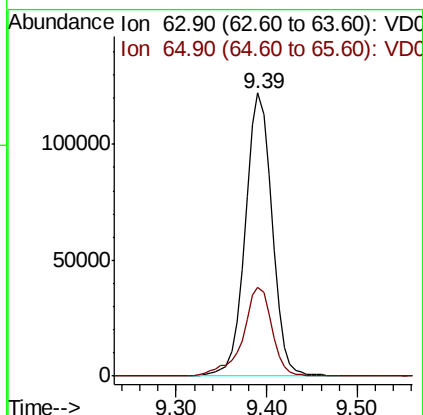
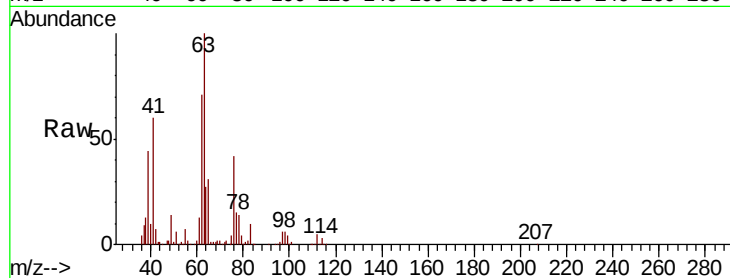
ClientSampled :

Tot Ion: 63 Resp: 249530

Ion Ratio Lower Upper

63 100

65 31.4 24.9 37.3



#46

Dibromomethane

Concen: 49.551 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

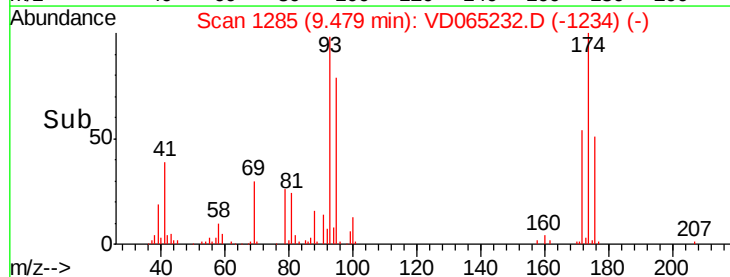
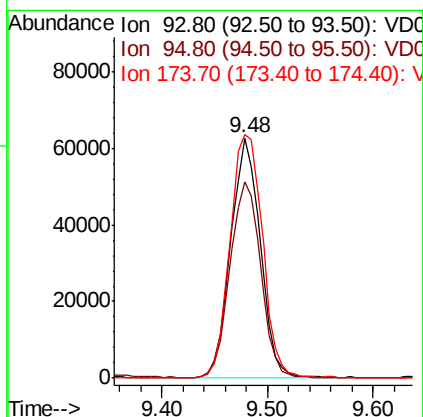
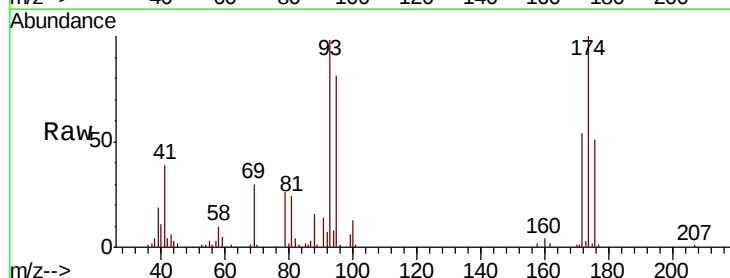
Tgt Ion: 93 Resp: 121848

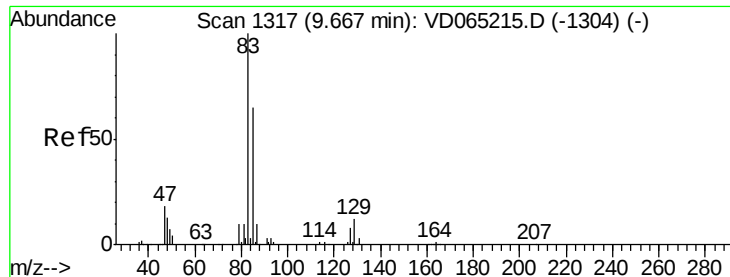
Ion Ratio Lower Upper

93 100

95 85.0 65.8 98.6

174 110.9 86.8 130.2





#47

Bromodichloromethane

Concen: 51.619 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

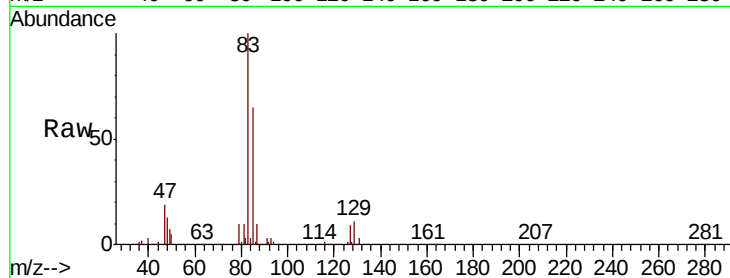
Tot Ion: 83 Resp: 334511

Ion Ratio Lower Upper

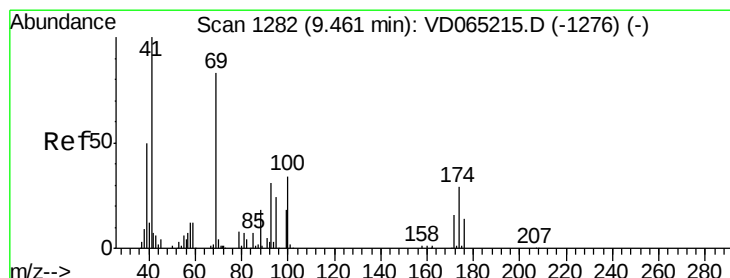
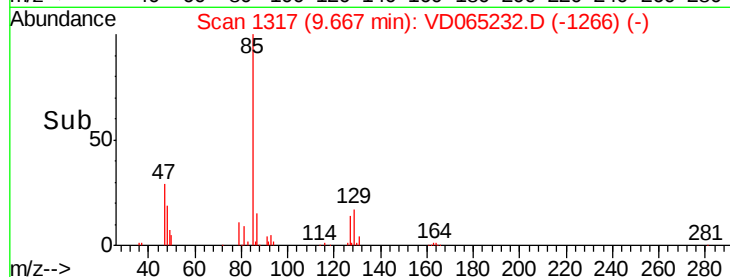
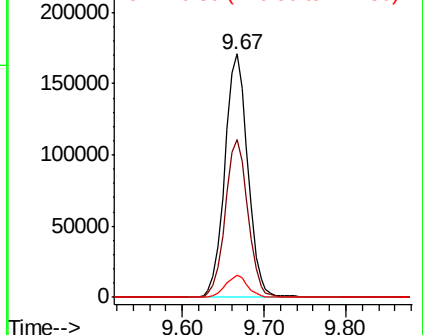
83 100

85 65.1 52.0 78.0

127 9.3 6.7 10.1



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



#48

Methyl methacrylate

Concen: 55.108 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

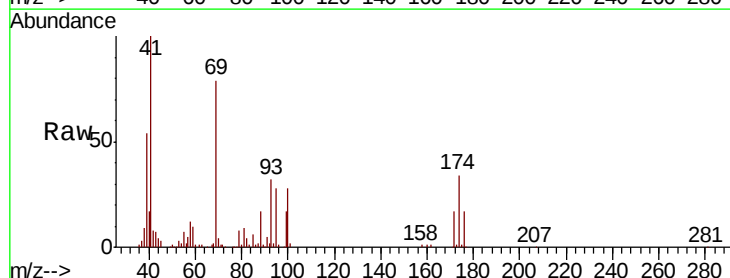
Tgt Ion: 41 Resp: 131860

Ion Ratio Lower Upper

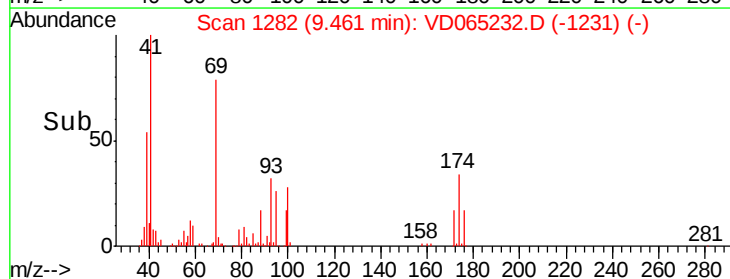
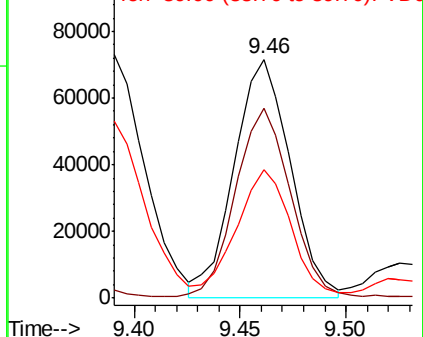
41 100

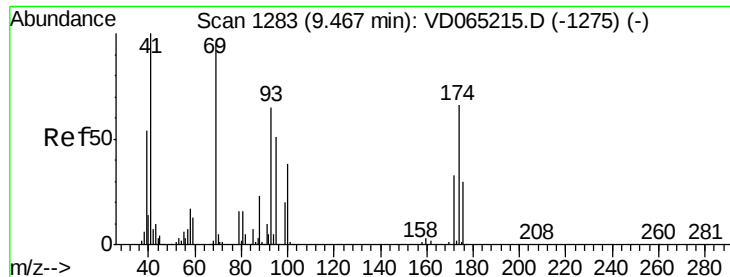
69 79.5 68.2 102.2

39 48.4 42.0 63.0



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: 960.375 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampled :

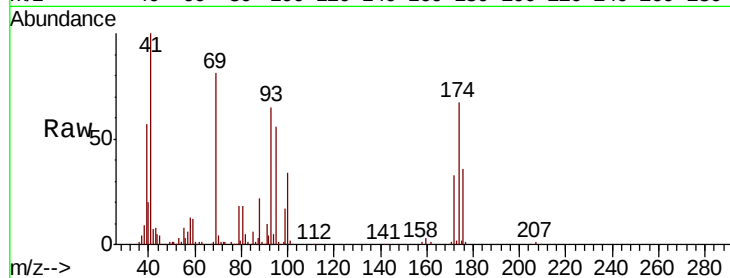
Tot Ion: 88 Resp: 27698

Ion Ratio Lower Upper

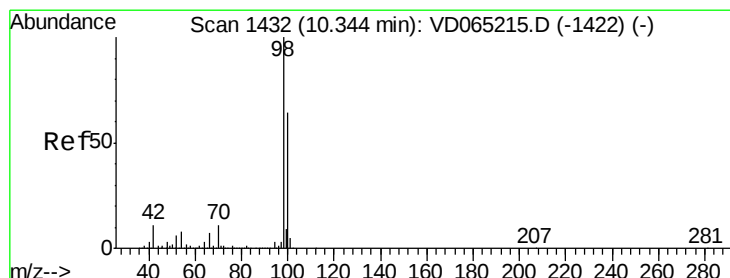
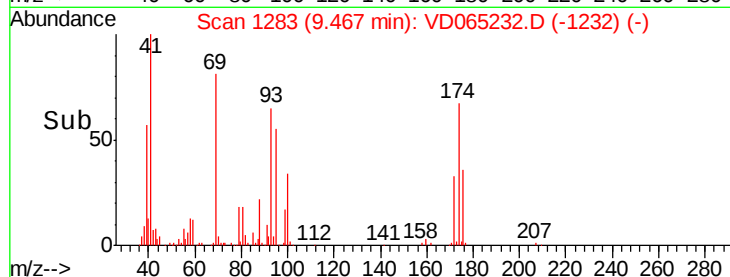
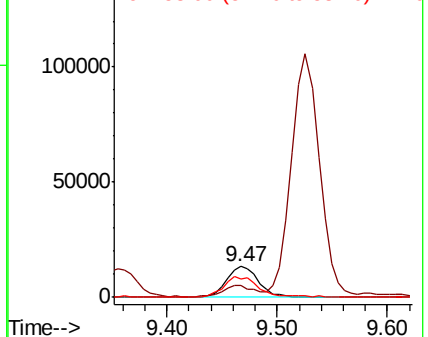
88 100

43 35.8 28.5 42.7

58 68.5 58.6 87.8



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



#50

Toluene-d8

Concen: 51.317 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065232.D

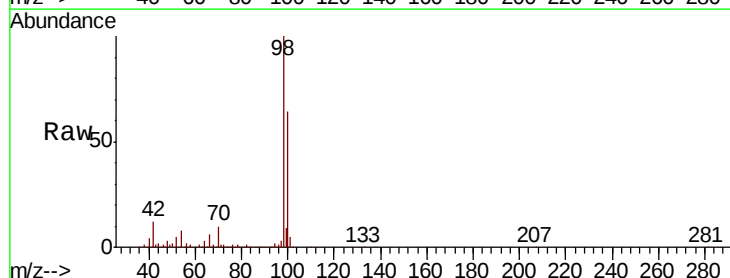
Acq: 19 Feb 2020 11:49

Tgt Ion: 98 Resp: 837131

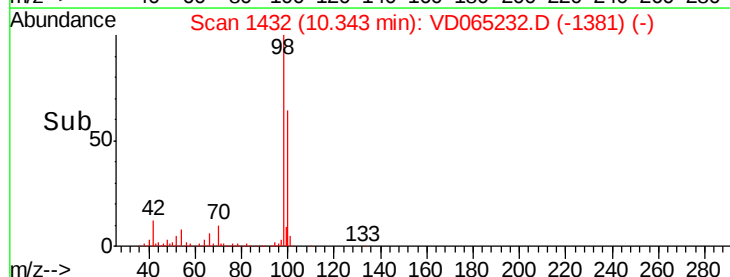
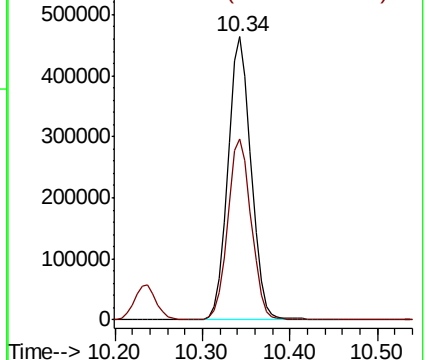
Ion Ratio Lower Upper

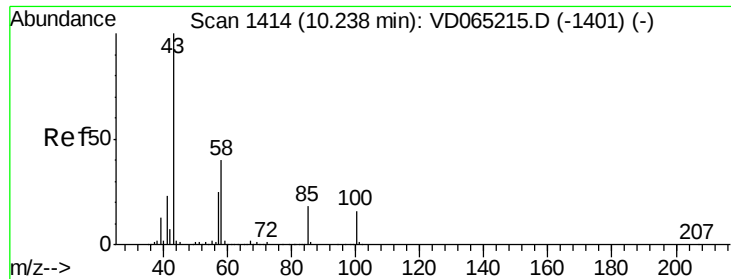
98 100

100 64.7 52.0 78.0



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

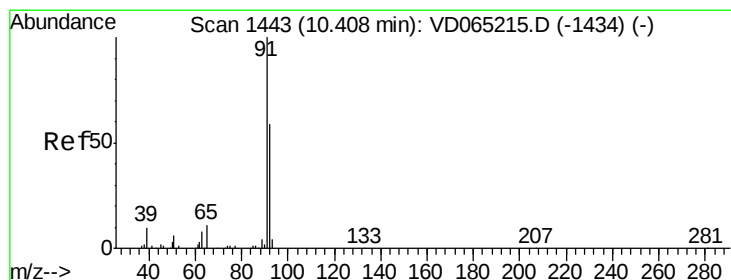
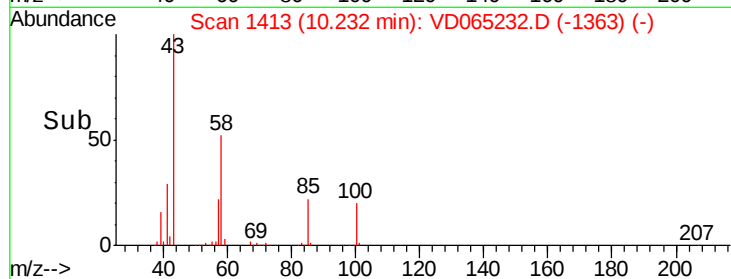
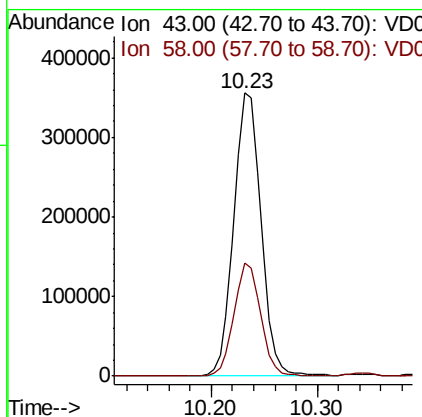
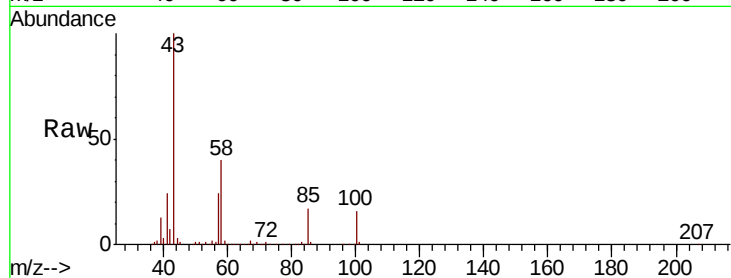




#51
 4-Methyl-2-Pentanone
 Concen: 241.721 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

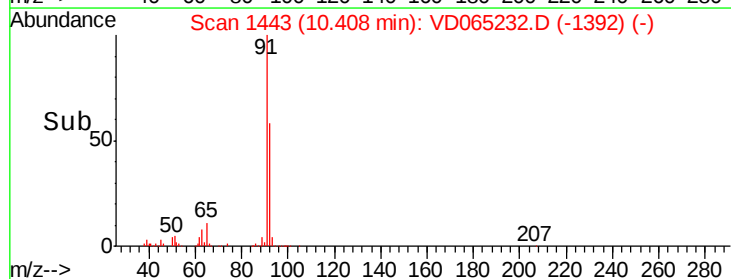
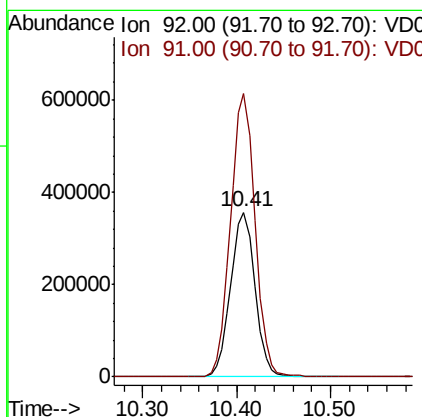
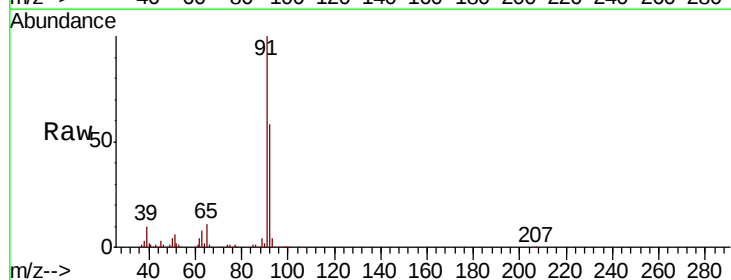
Instrument :
 MSVOA_D
 ClientSampleId :

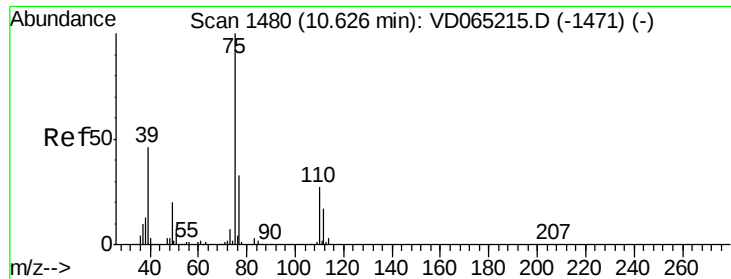
Tot Ion: 43 Resp: 635544
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7



#52
 Toluene
 Concen: 54.392 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion: 92 Resp: 647096
 Ion Ratio Lower Upper
 92 100
 91 172.7 136.3 204.5

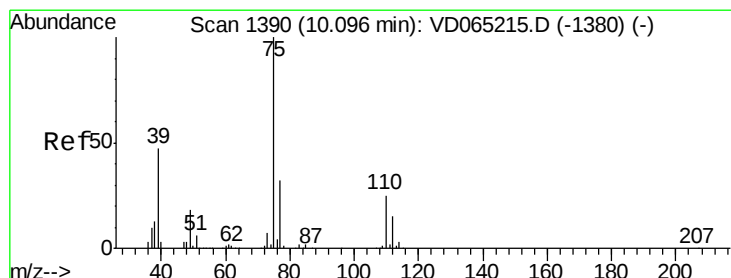
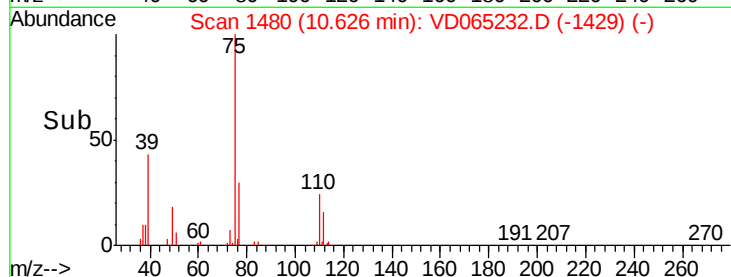
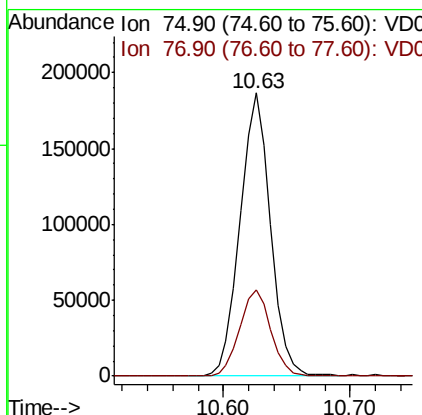
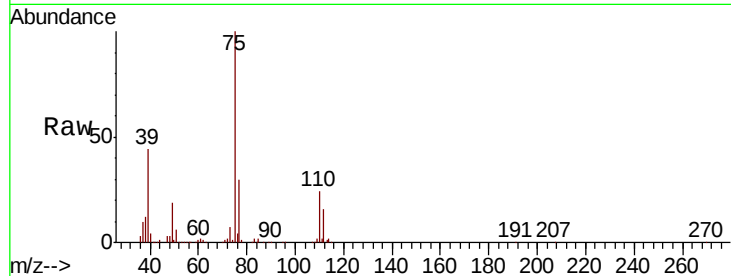




#53
t-1,3-Dichloropropene
Concen: 51.684 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

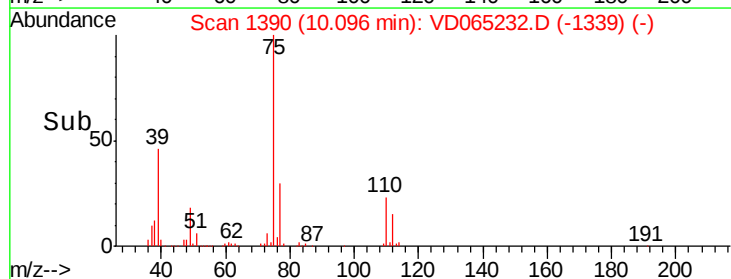
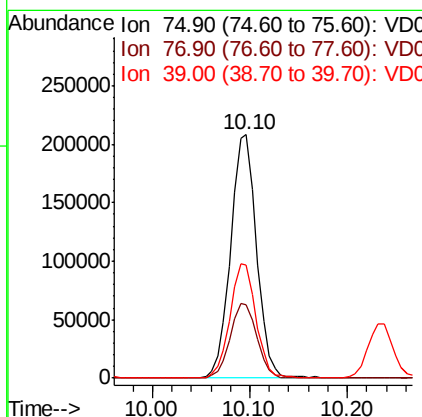
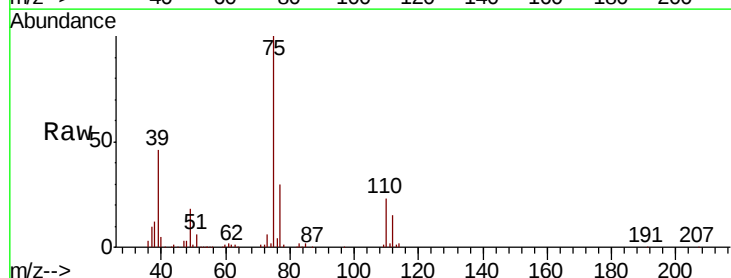
Instrument :
MSVOA_D
ClientSampleId :

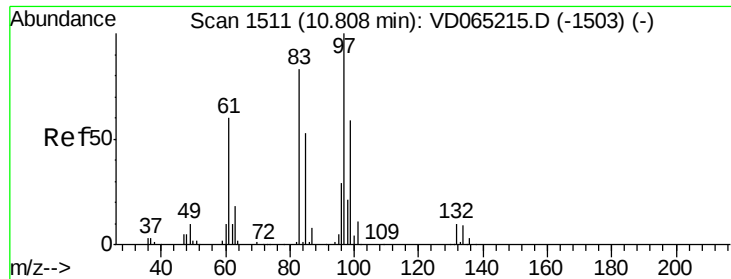
Tot Ion: 75 Resp: 310454
Ion Ratio Lower Upper
75 100
77 30.5 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 52.928 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 75 Resp: 383908
Ion Ratio Lower Upper
75 100
77 30.0 25.8 38.8
39 46.2 37.3 55.9

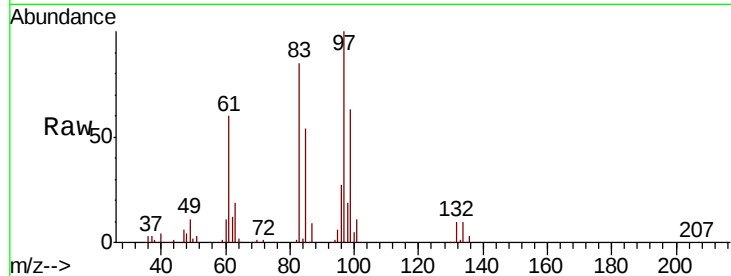




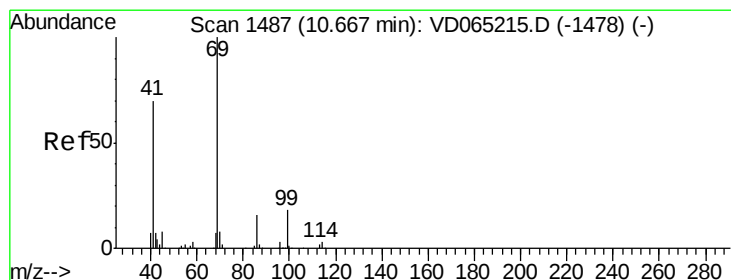
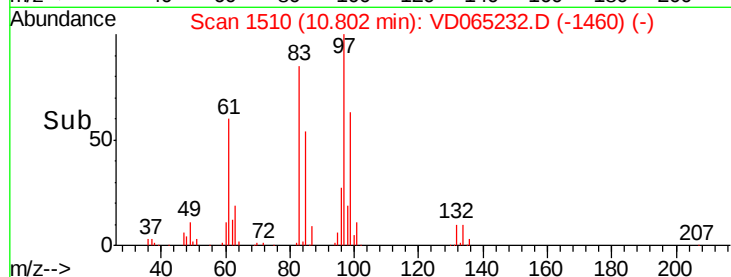
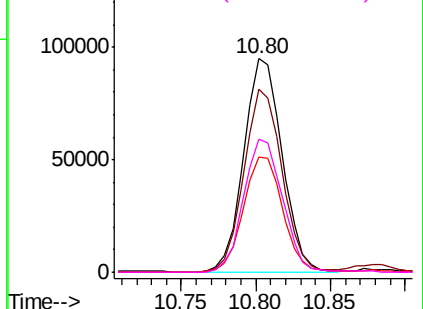
#55
 1,1,2-Trichloroethane
 Concen: 49.022 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	169671
Ion	Ratio	Lower	Upper
97	100		
83	85.4	66.7	100.1
85	54.0	42.4	63.6
99	62.6	47.5	71.3

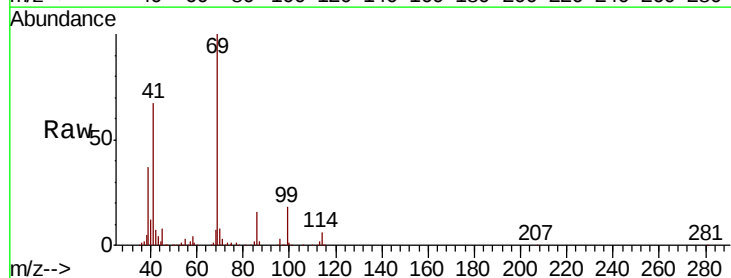


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

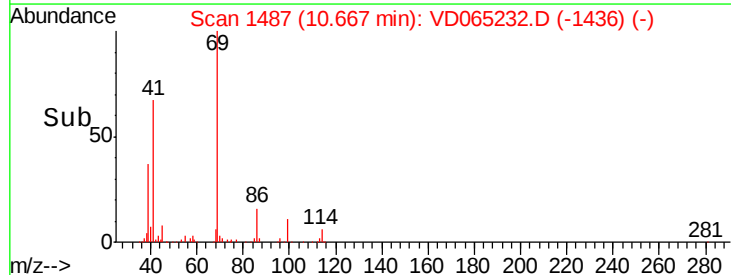
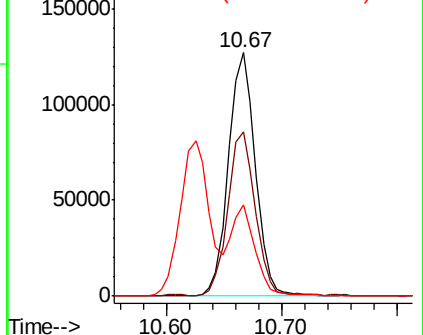


#56
 Ethyl methacrylate
 Concen: 51.479 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion:	69	Resp:	205650
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.6	81.8
39	32.3	26.5	39.7



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





#57

1,3-Dichloropropane

Concen: 50.774 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

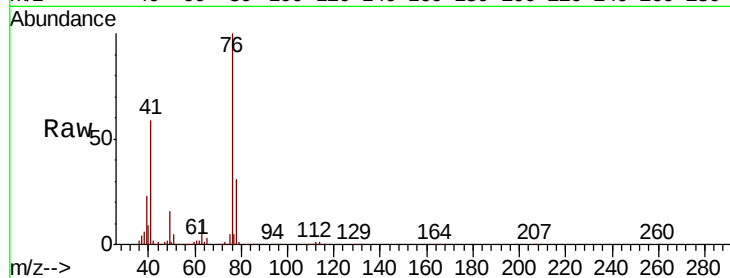
ClientSampleId :

Tot Ion: 76 Resp: 299096

Ion Ratio Lower Upper

76 100

78 31.9 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

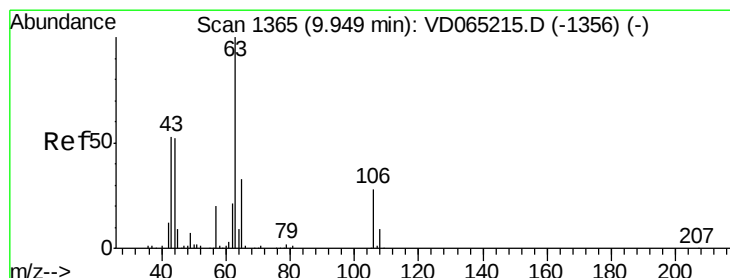
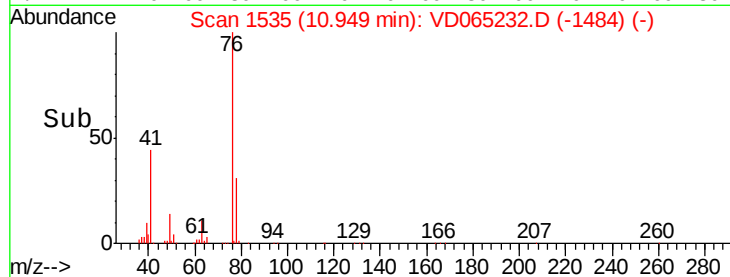
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 228.994 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065232.D

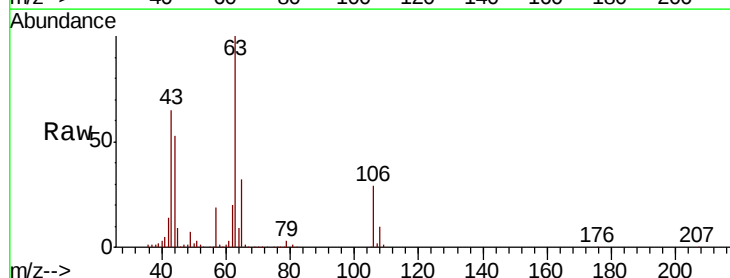
Acq: 19 Feb 2020 11:49

Tgt Ion: 63 Resp: 288412

Ion Ratio Lower Upper

63 100

106 29.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

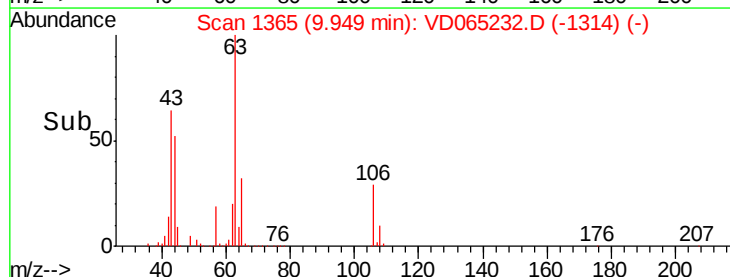
150000

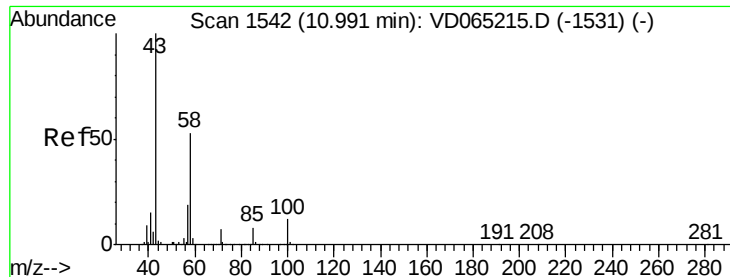
100000

50000

0

Time-->

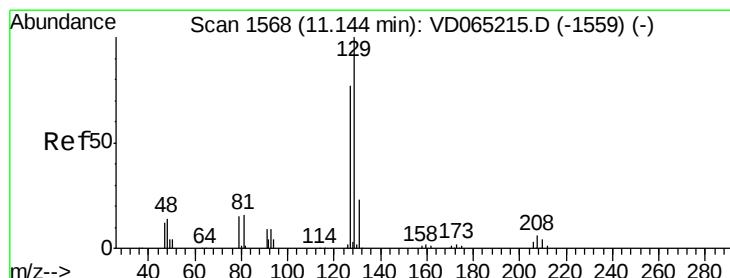
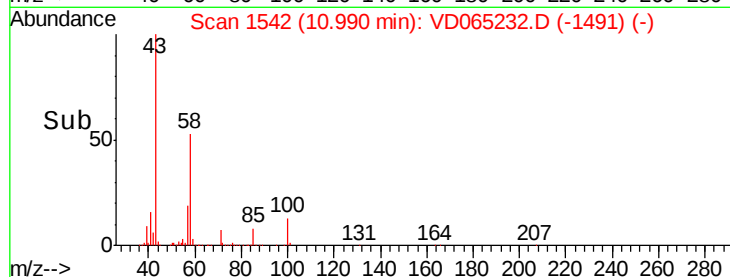
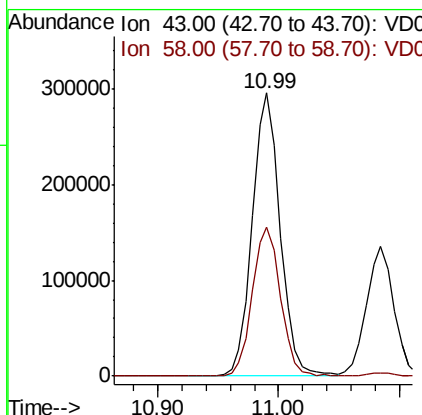
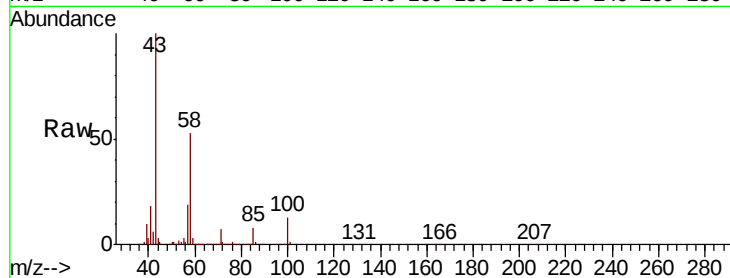




#59
2-Hexanone
Concen: 253.960 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

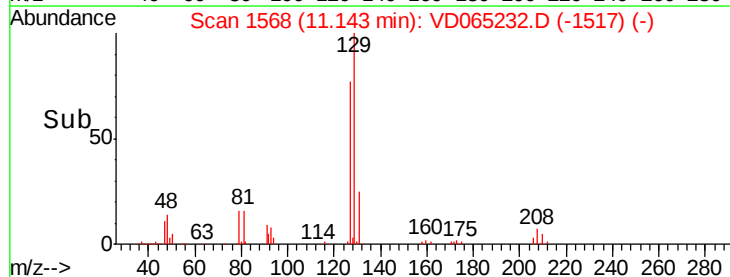
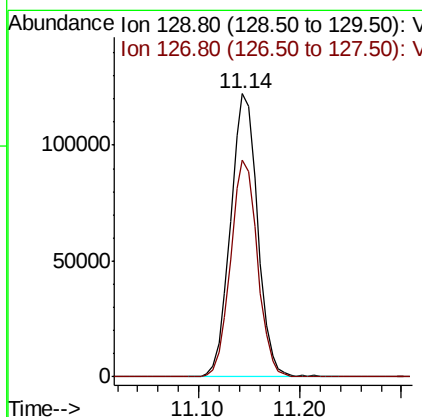
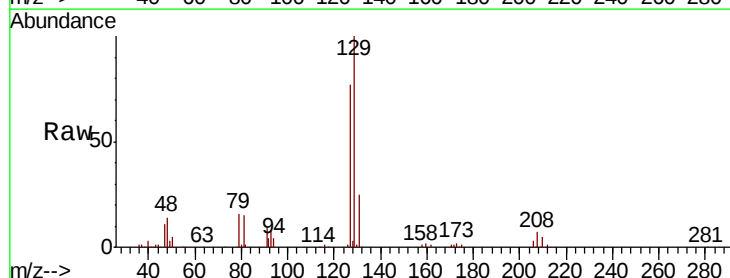
Instrument :
MSVOA_D
ClientSampleId :

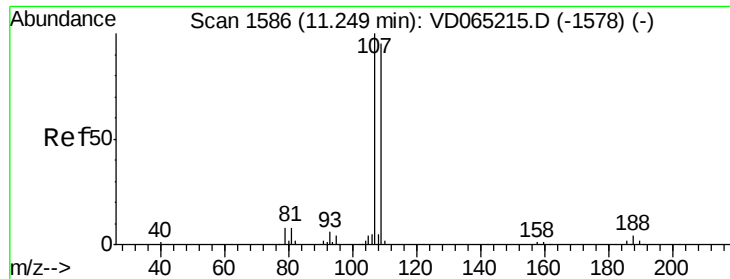
Tot Ion: 43 Resp: 477982
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 51.111 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 129 Resp: 226420
Ion Ratio Lower Upper
129 100
127 75.6 38.7 116.1

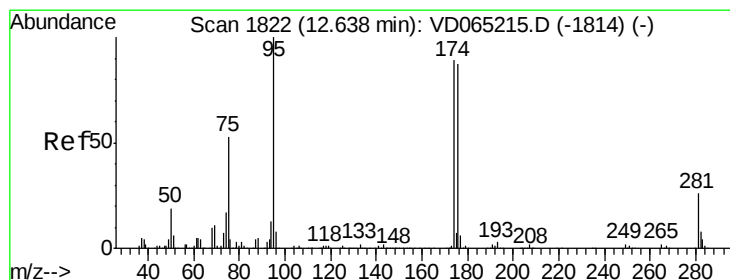
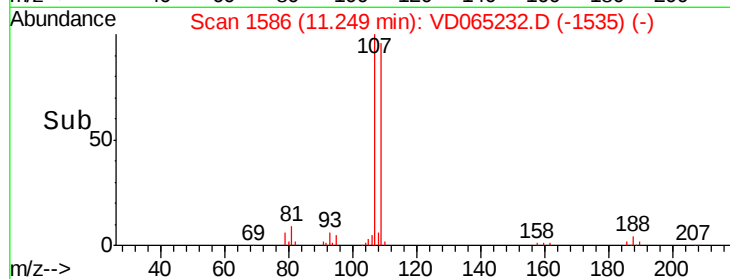
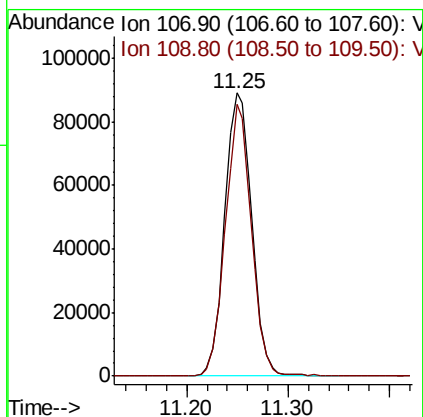
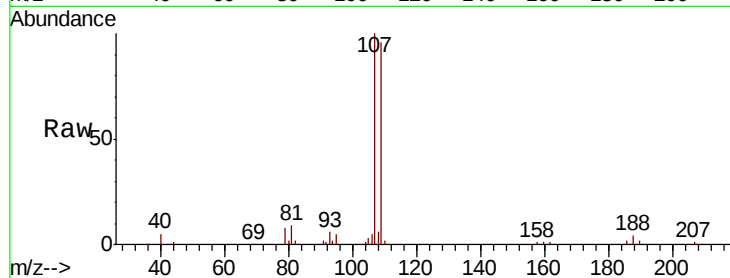




#61
 1,2-Dibromoethane
 Concen: 50.155 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

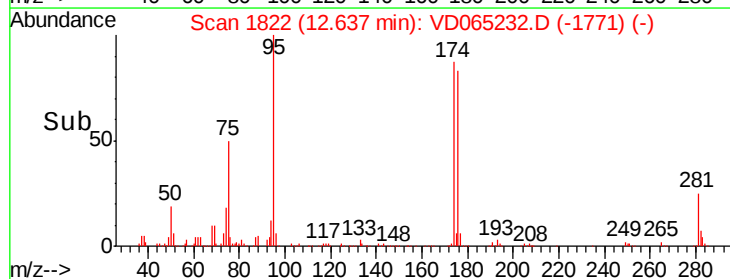
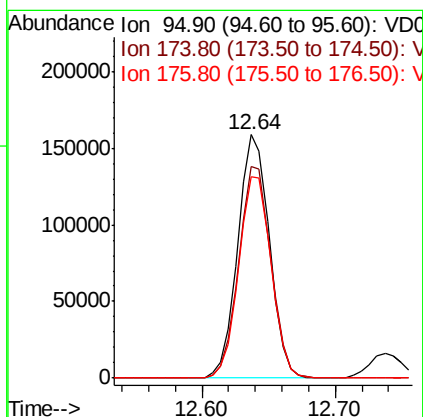
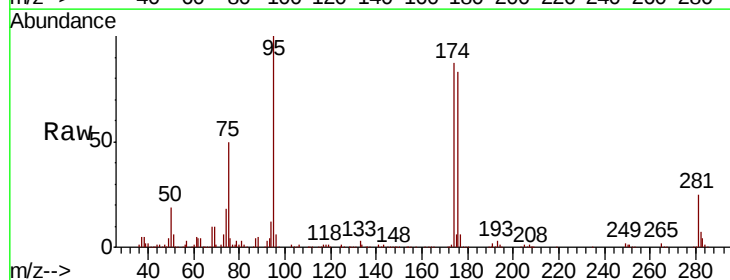
Instrument :
 MSVOA_D
 ClientSampleId :

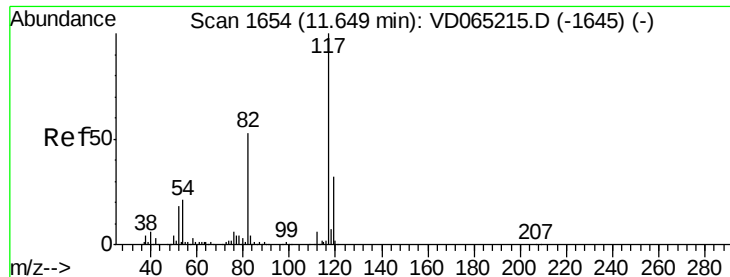
Tot Ion:107 Resp: 164359
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 50.308 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion: 95 Resp: 259986
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.0
 176 84.8 0.0 174.4

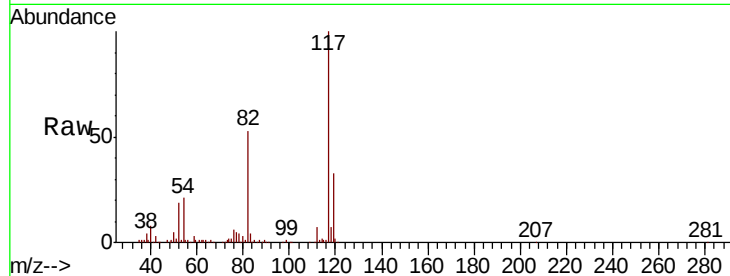




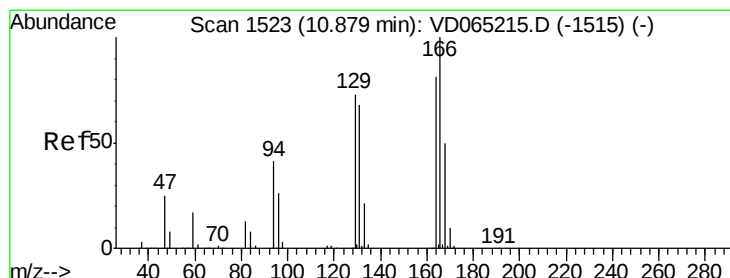
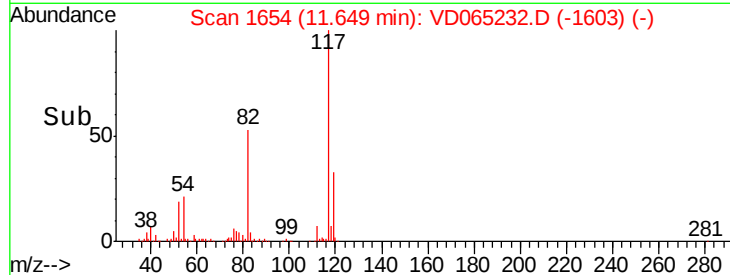
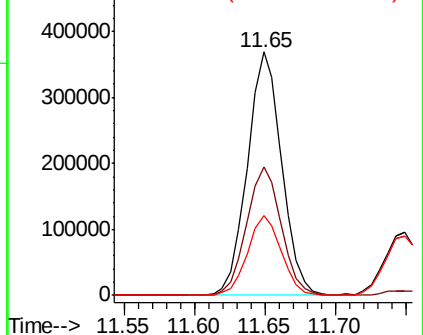
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 629899
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 32.7 25.5 38.3

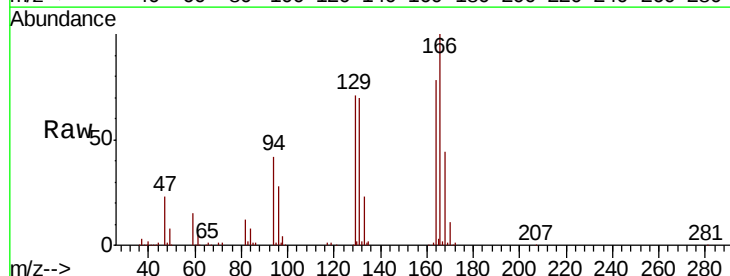


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

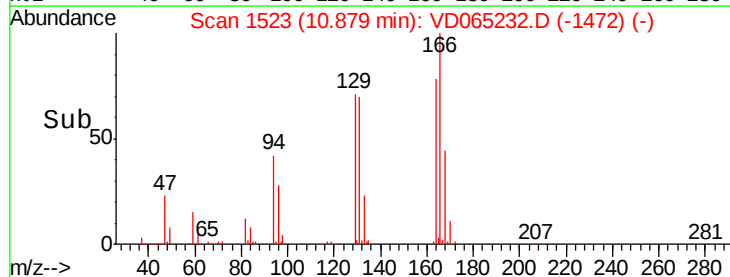
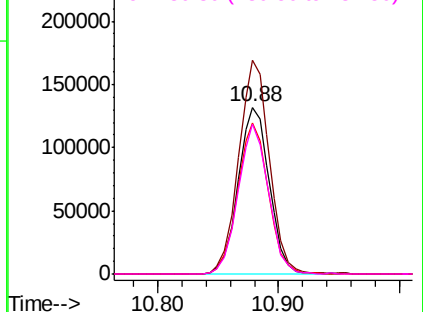


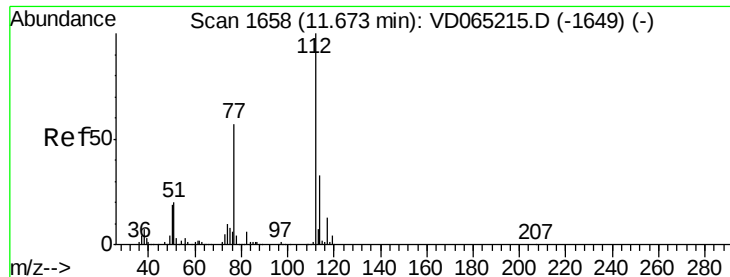
#64
Tetrachloroethene
Concen: 53.052 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:164 Resp: 237006
Ion Ratio Lower Upper
164 100
166 128.2 98.4 147.6
129 90.5 71.6 107.4
131 89.8 67.3 100.9



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

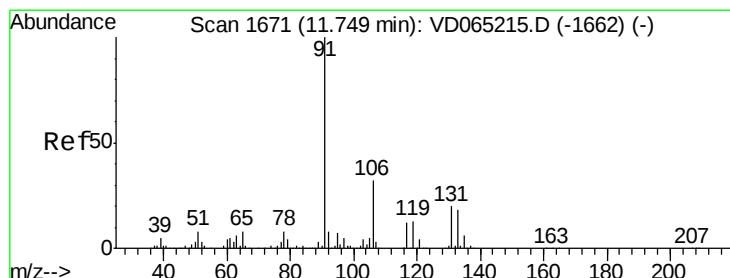
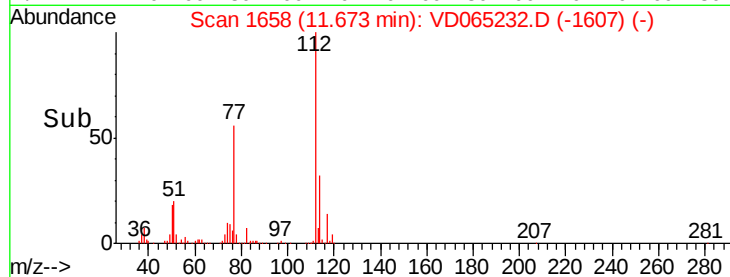
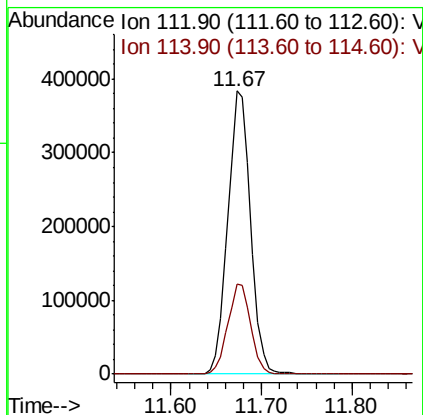
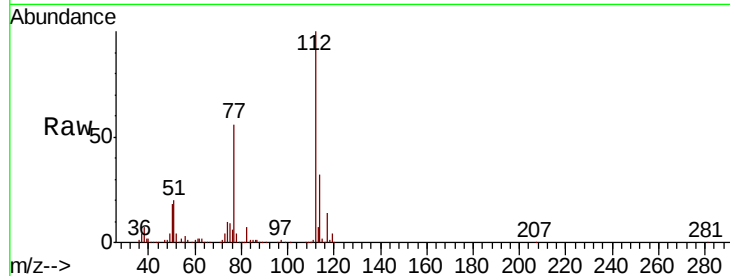




#65
Chlorobenzene
Concen: 52.925 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

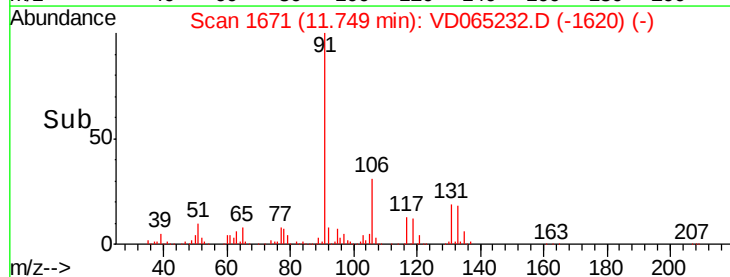
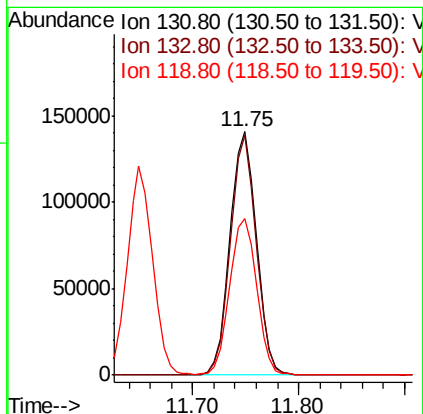
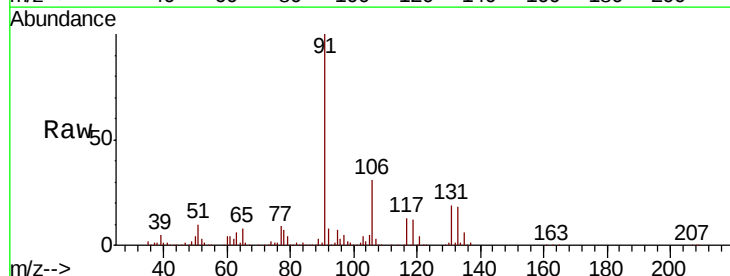
Instrument :
MSVOA_D
ClientSampled :

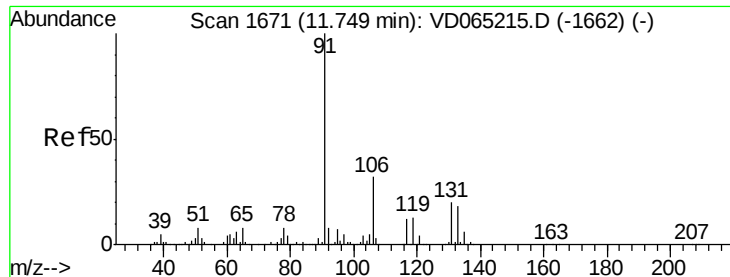
Tot Ion:112 Resp: 668997
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.776 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:131 Resp: 244233
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 65.9 32.7 98.1

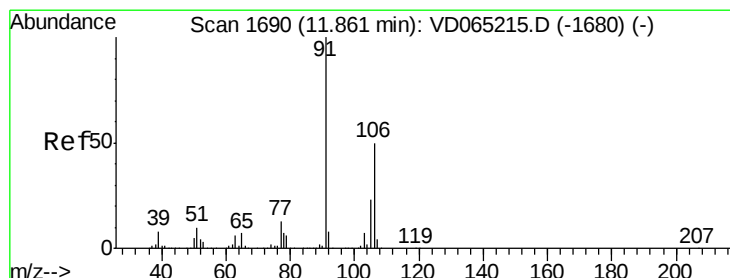
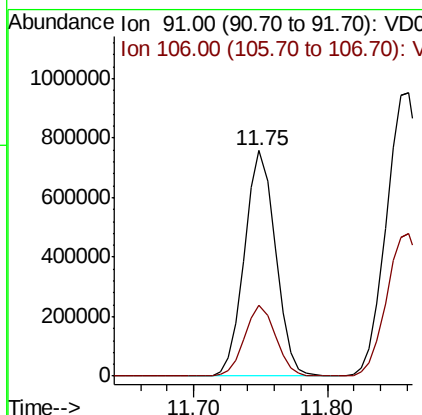
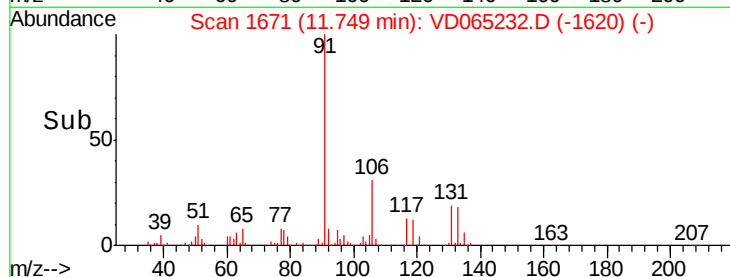
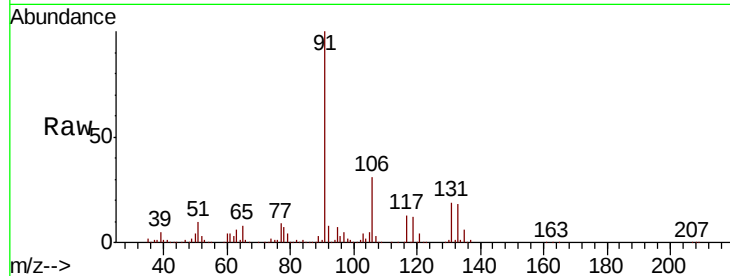




#67
Ethyl Benzene
Concen: 55.108 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

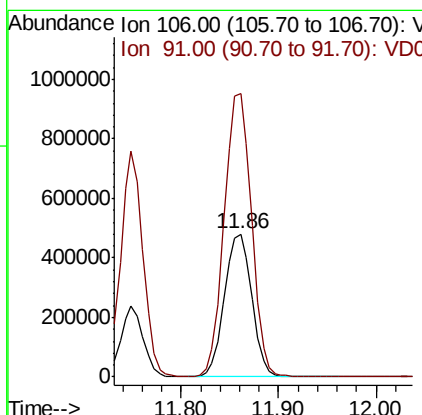
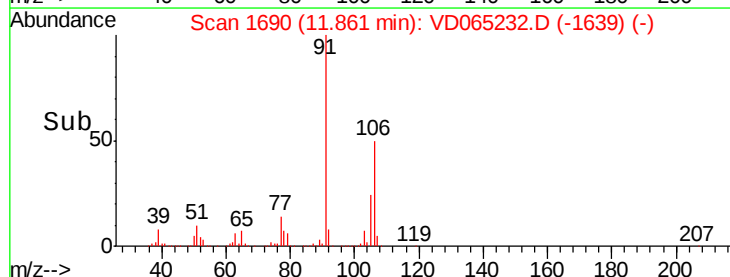
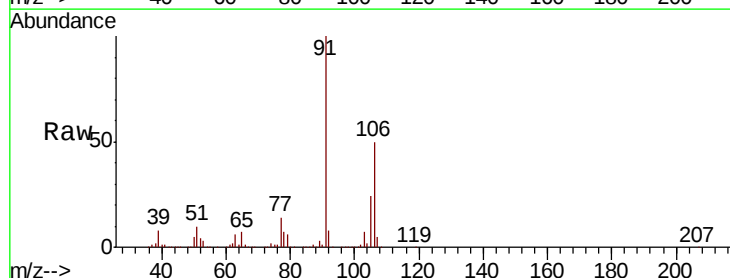
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1220000
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8



#68
m/p-Xylenes
Concen: 109.917 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 106 Resp: 930997
Ion Ratio Lower Upper
106 100
91 198.5 158.2 237.4

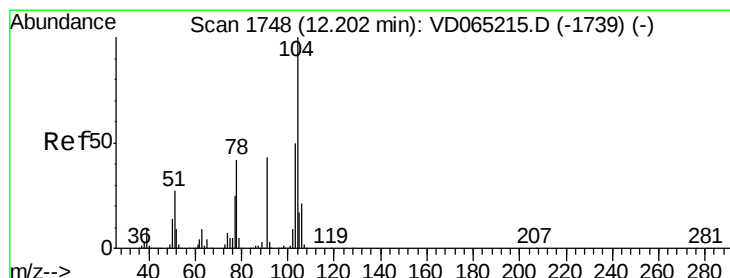
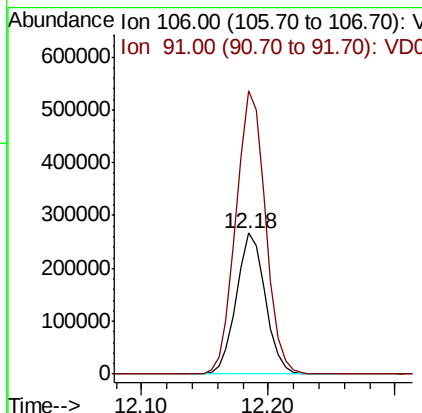
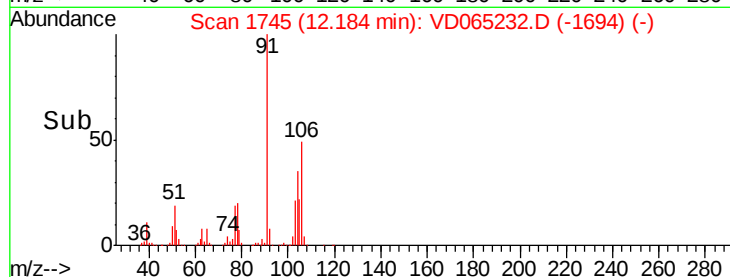
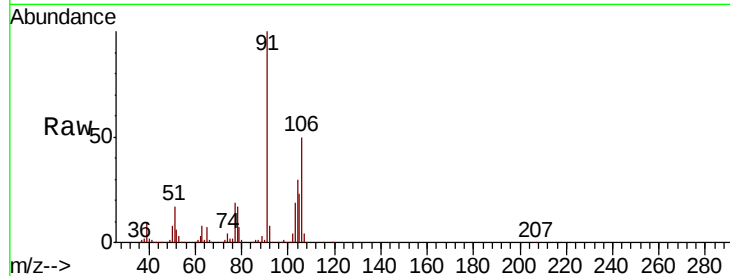




#69
o-Xylene
Concen: 56.027 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

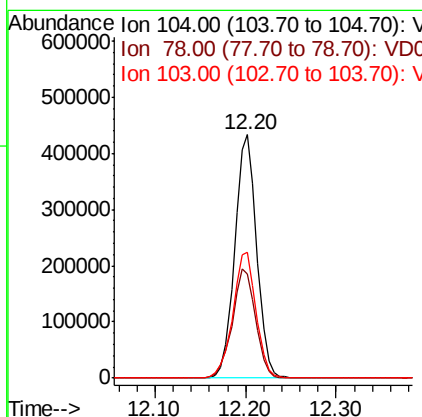
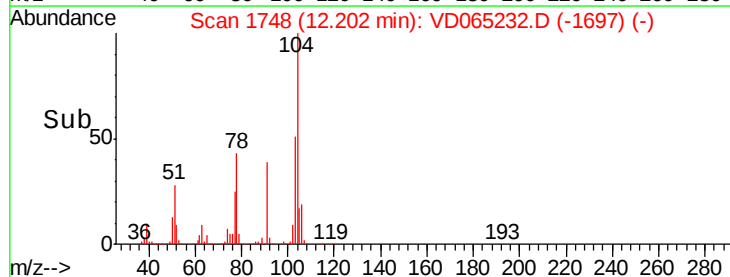
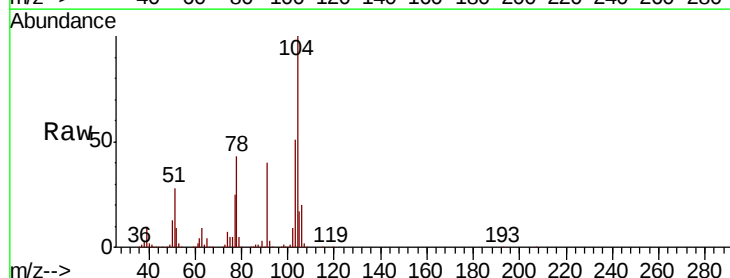
Instrument :
MSVOA_D
ClientSampleId :

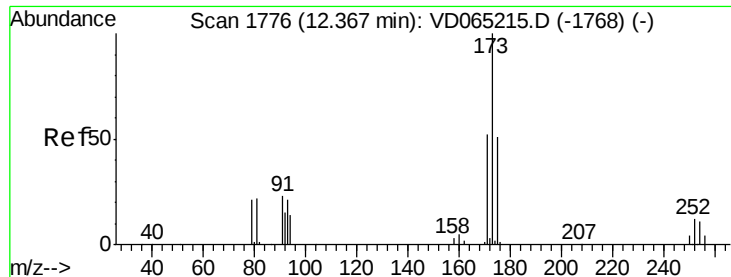
Tot Ion:106 Resp: 420427
Ion Ratio Lower Upper
106 100
91 206.1 104.7 313.9



#70
Styrene
Concen: 54.826 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:104 Resp: 730446
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 54.5 43.4 65.2

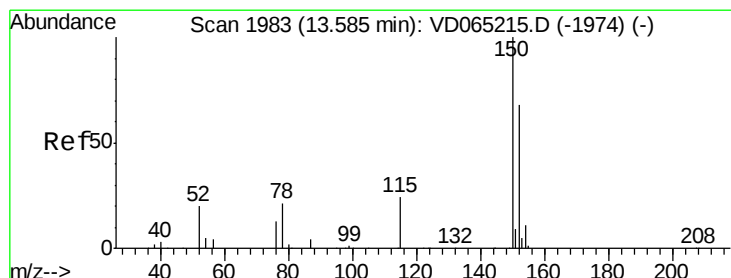
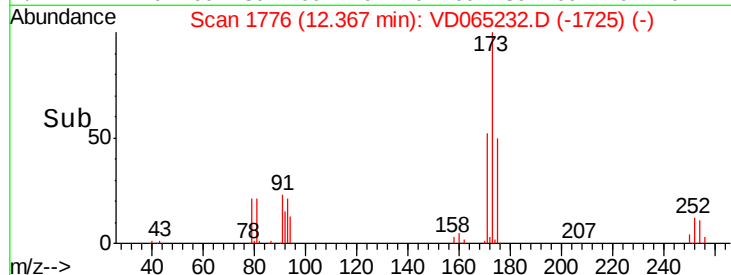
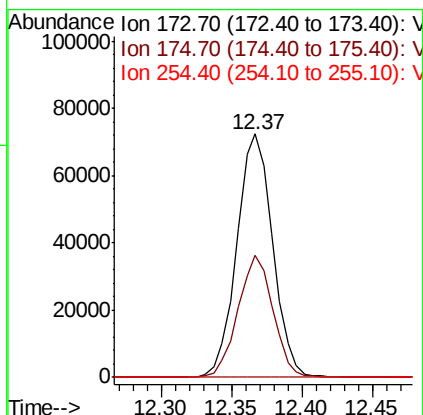
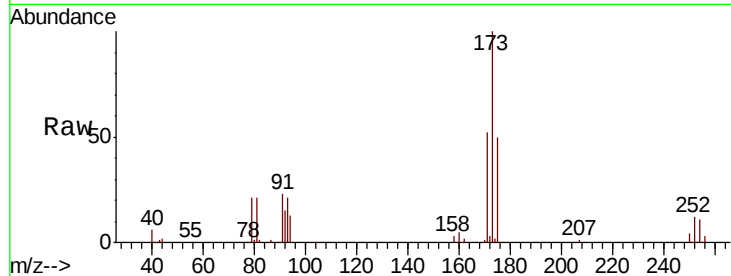




#71
Bromoform
Concen: 49.057 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

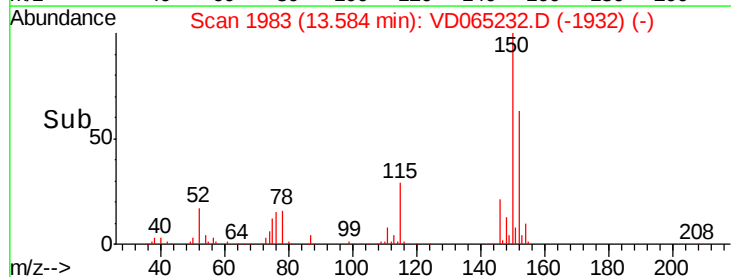
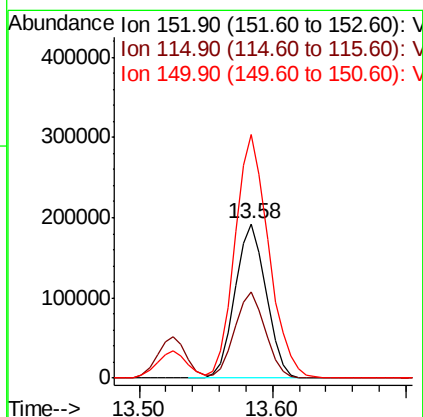
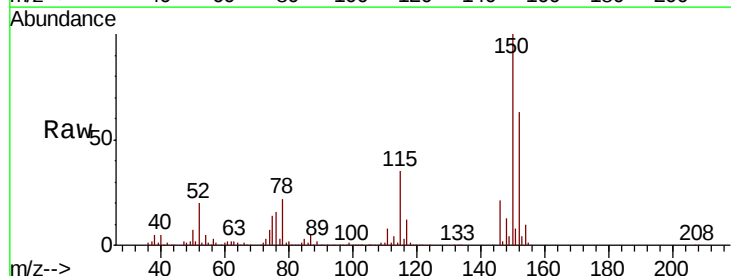
Instrument :
MSVOA_D
ClientSampled :

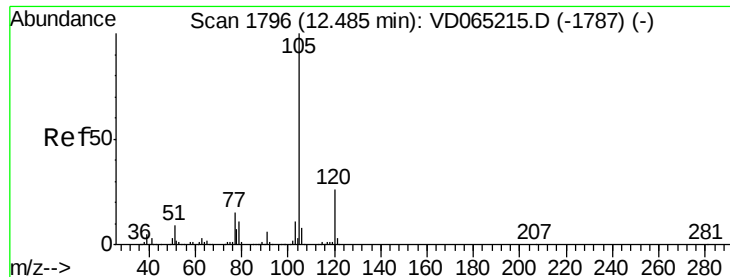
Tot Ion:173 Resp: 128408
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.4
254 0.2 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:152 Resp: 309877
Ion Ratio Lower Upper
152 100
115 55.9 27.6 82.8
150 171.6 0.0 347.4





#73

Isopropylbenzene

Concen: 55.932 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

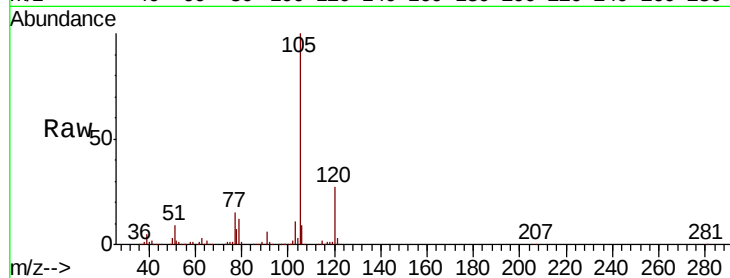
ClientSampleId :

Tot Ion:105 Resp: 1147472

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

600000

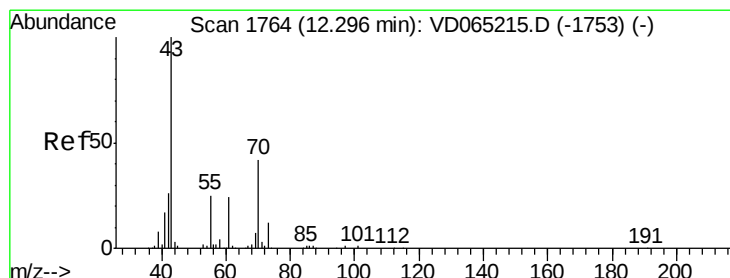
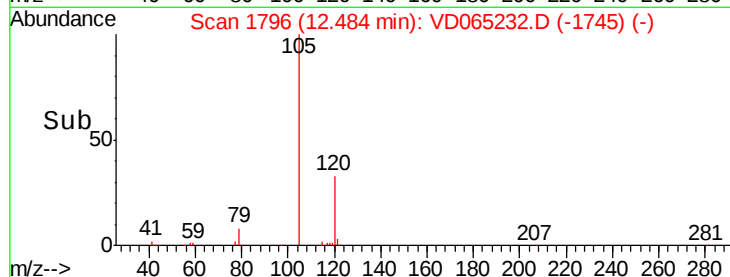
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 48.676 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion: 43 Resp: 221894

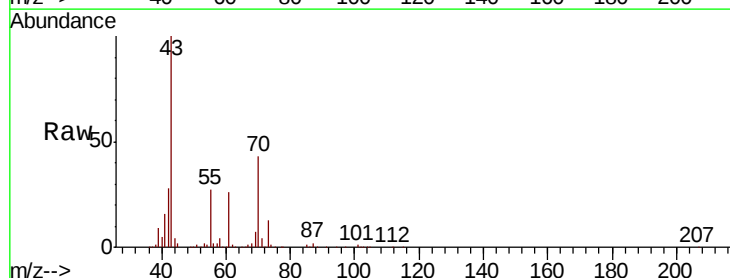
Ion Ratio Lower Upper

43 100

70 43.5 33.7 50.5

55 27.6 20.7 31.1

61 24.5 19.0 28.4



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

200000

150000

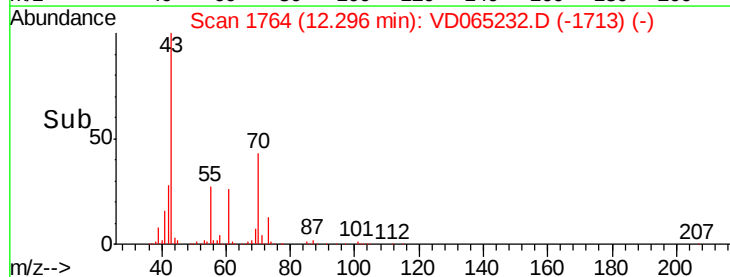
100000

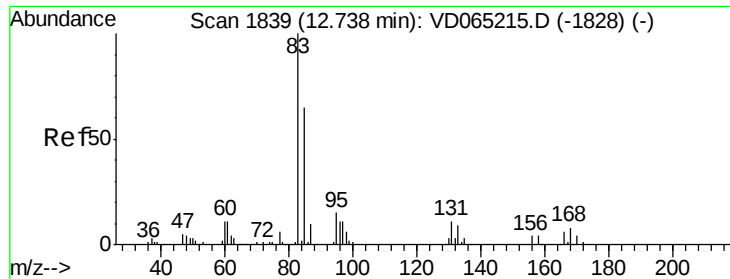
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 48.202 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampled :

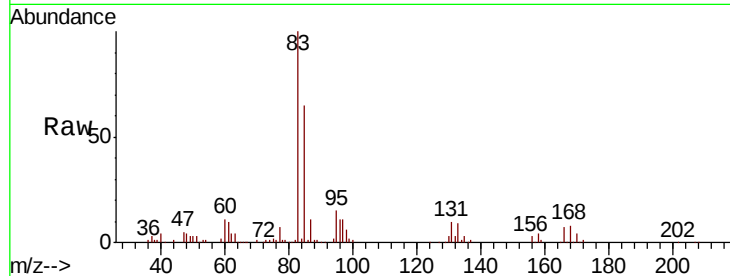
Tot Ion: 83 Resp: 178470

Ion Ratio Lower Upper

83 100

131 10.0 5.4 16.2

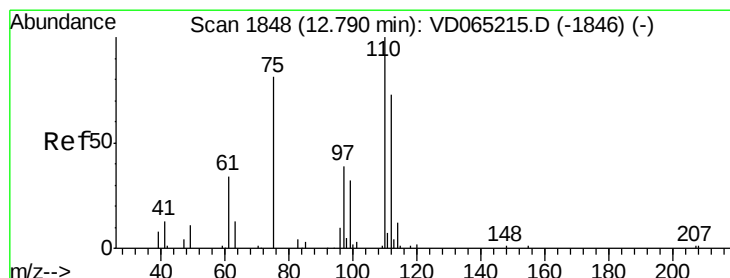
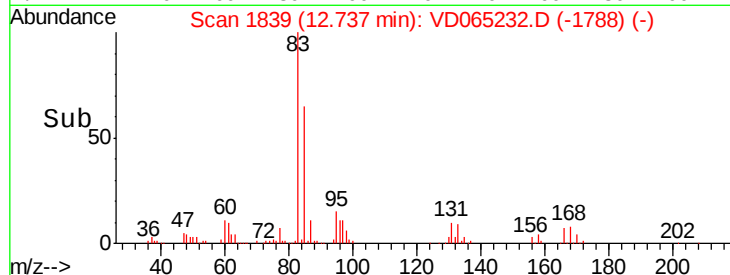
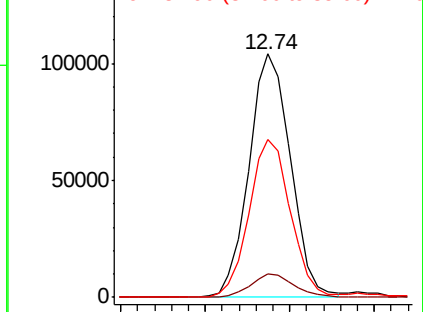
85 64.4 31.6 94.8



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: 89.892 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065232.D

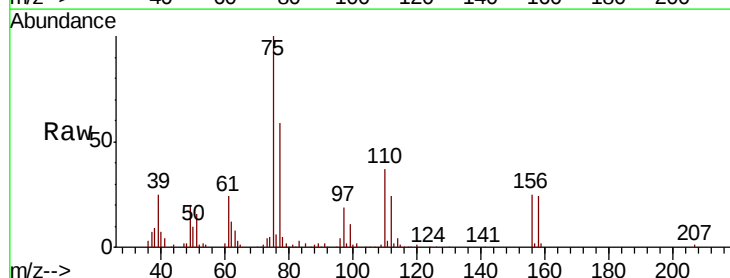
Acq: 19 Feb 2020 11:49

Tgt Ion: 75 Resp: 237003

Ion Ratio Lower Upper

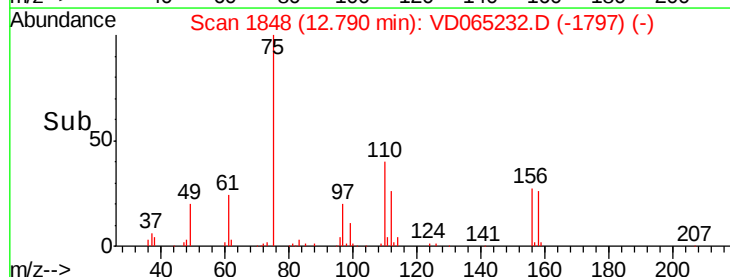
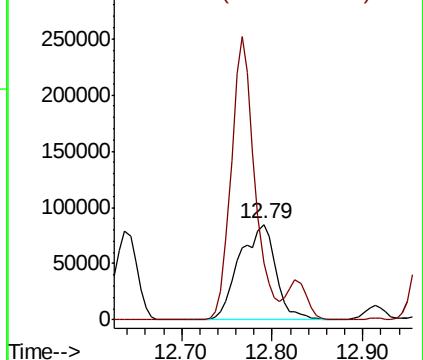
75 100

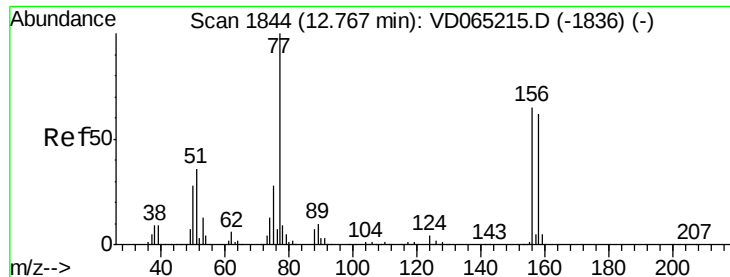
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.461 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

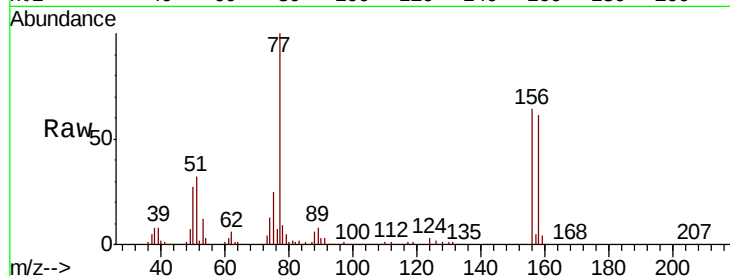
Tot Ion:156 Resp: 267251

Ion Ratio Lower Upper

156 100

77 171.5 86.6 259.7

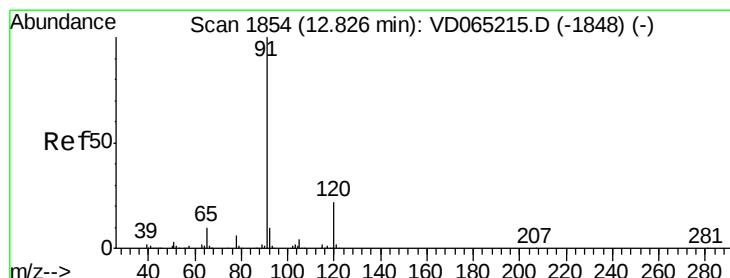
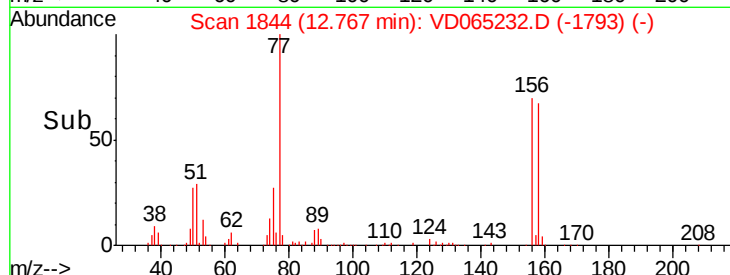
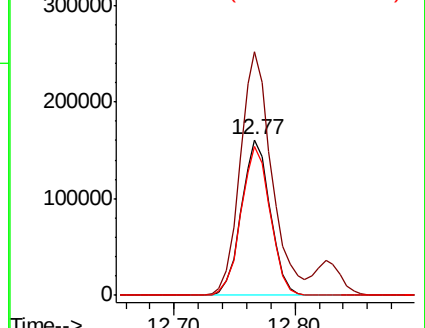
158 96.7 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.713 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065232.D

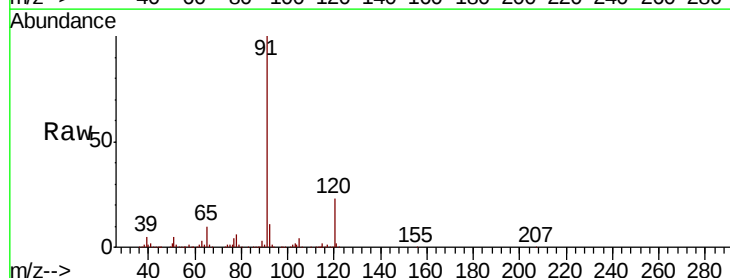
Acq: 19 Feb 2020 11:49

Tgt Ion: 91 Resp: 1373524

Ion Ratio Lower Upper

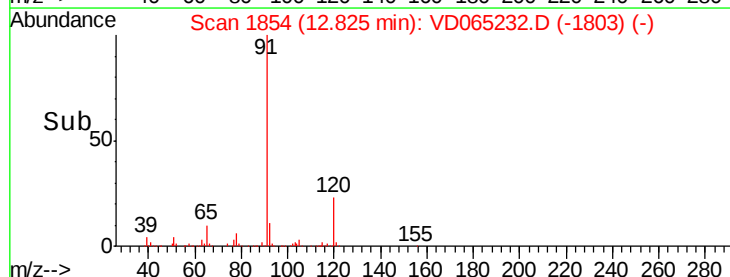
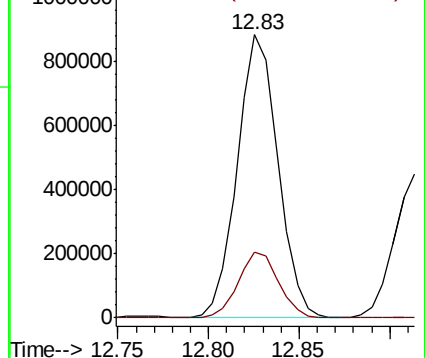
91 100

120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.885 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

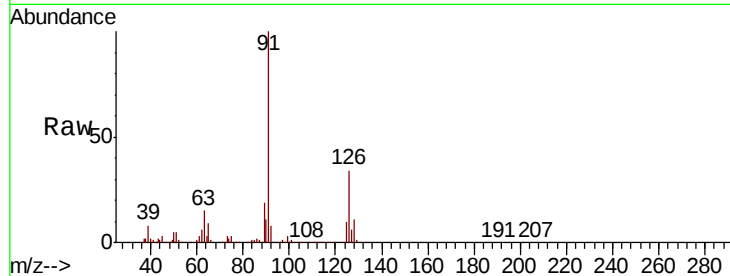
ClientSampleId :

Tot Ion: 91 Resp: 744213

Ion Ratio Lower Upper

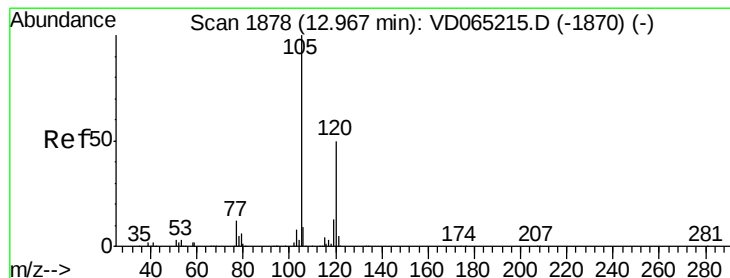
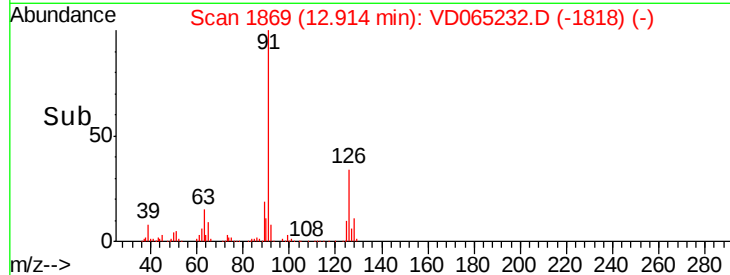
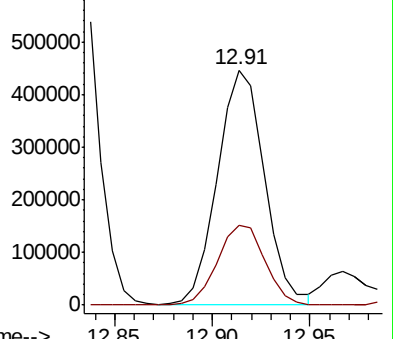
91 100

126 34.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065232.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065232.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.539 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065232.D

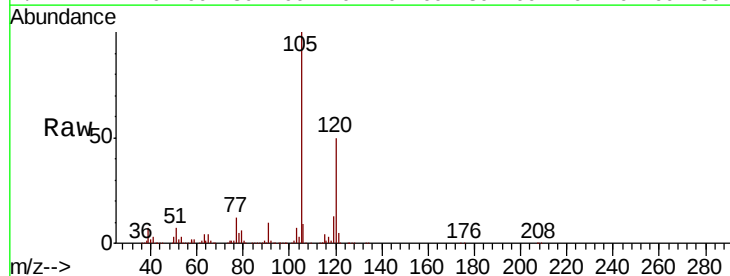
Acq: 19 Feb 2020 11:49

Tgt Ion:105 Resp: 938445

Ion Ratio Lower Upper

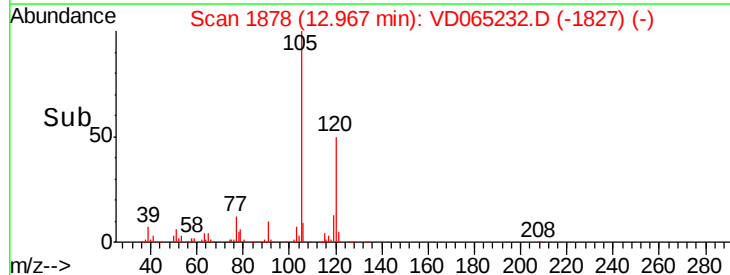
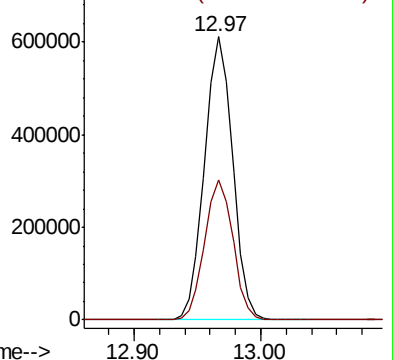
105 100

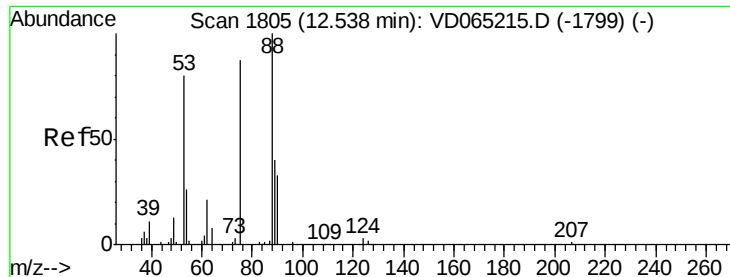
120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065232.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065232.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.584 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

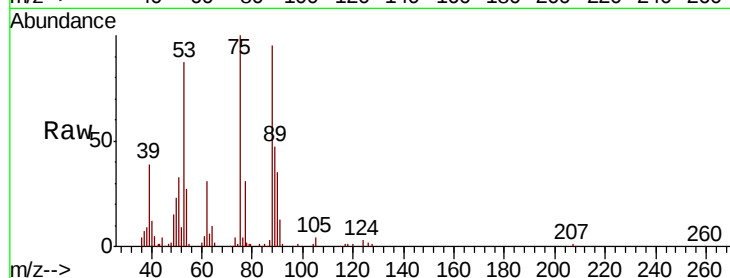
Tot Ion: 75 Resp: 60546

Ion Ratio Lower Upper

75 100

53 93.8 77.6 116.4

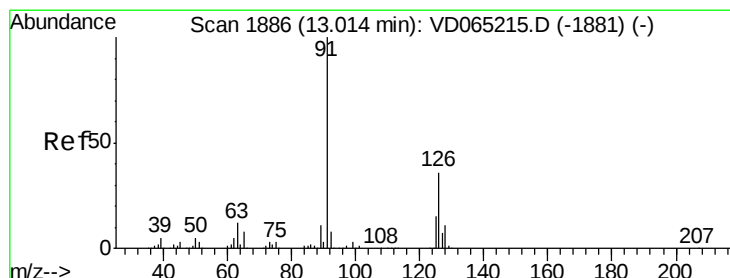
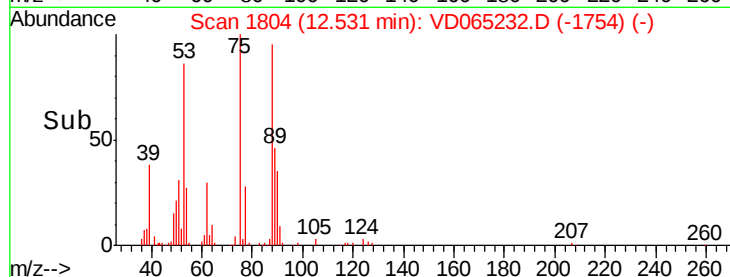
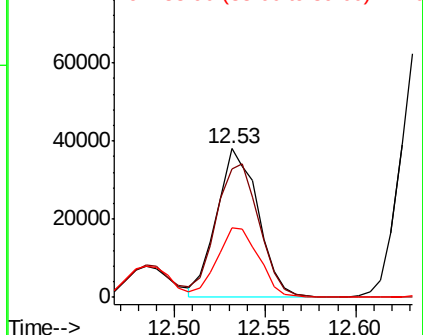
89 46.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.689 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065232.D

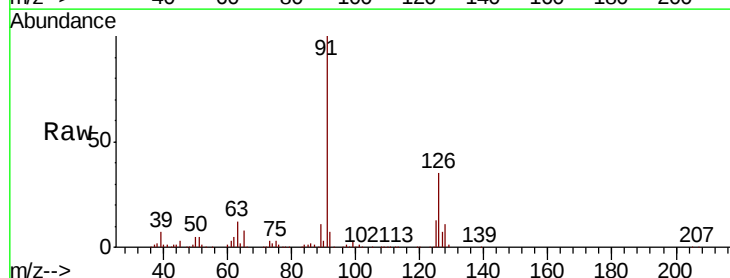
Acq: 19 Feb 2020 11:49

Tgt Ion: 91 Resp: 787211

Ion Ratio Lower Upper

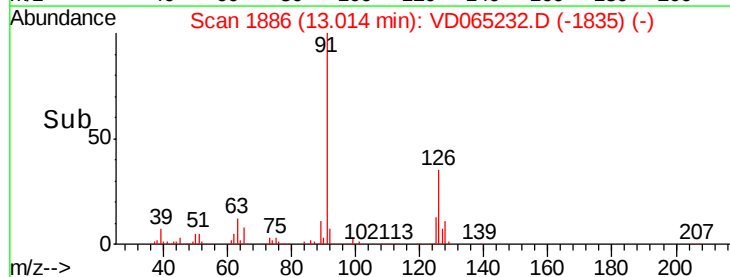
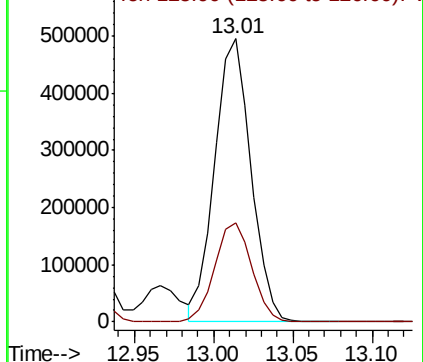
91 100

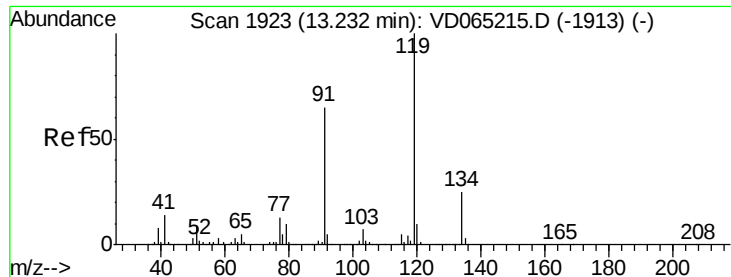
126 36.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

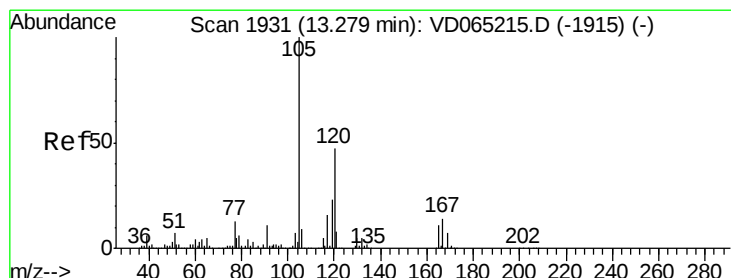
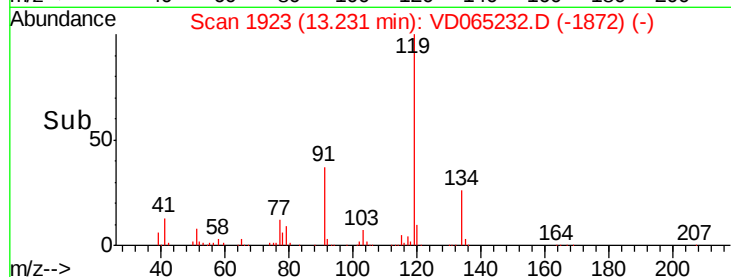
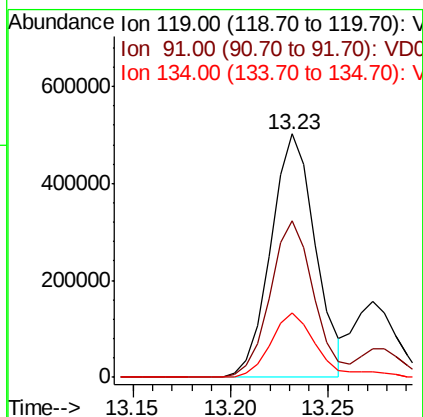
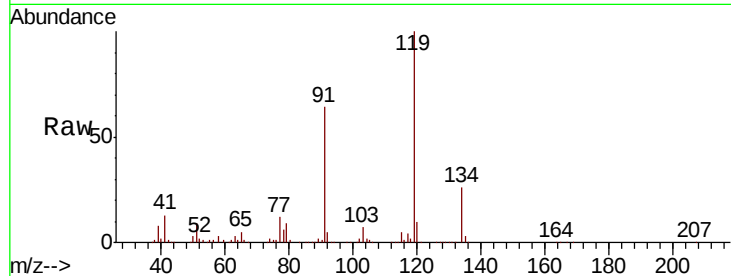




#83
tert-Butylbenzene
Concen: 56.009 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

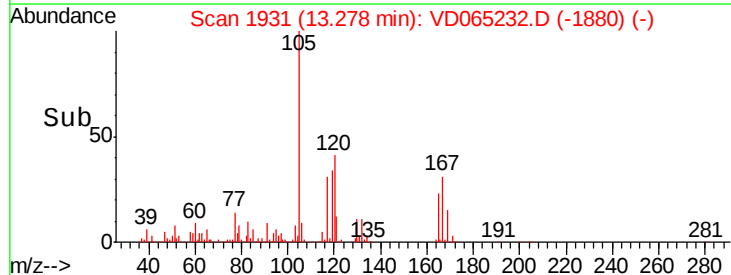
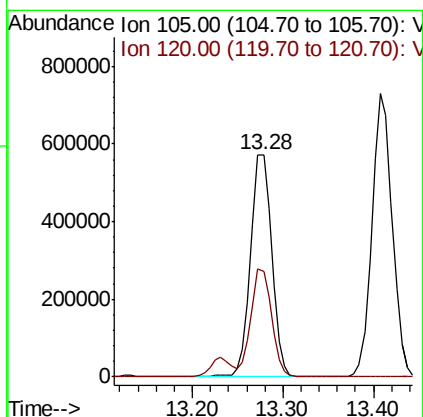
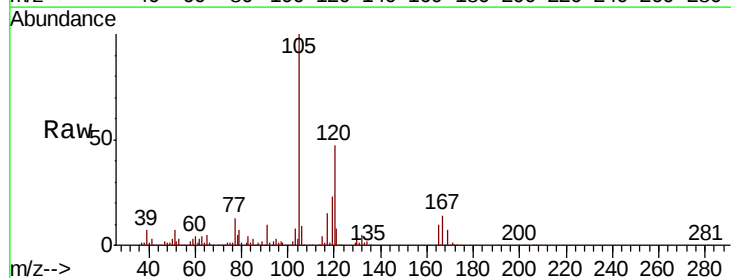
Instrument :
MSVOA_D
ClientSampleId :

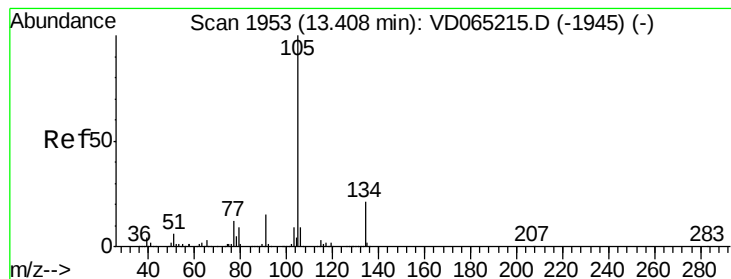
Tot Ion:119 Resp: 793181
Ion Ratio Lower Upper
119 100
91 63.4 31.9 95.5
134 27.8 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 55.158 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:105 Resp: 932868
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.9





#85

sec-Butylbenzene

Concen: 55.574 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

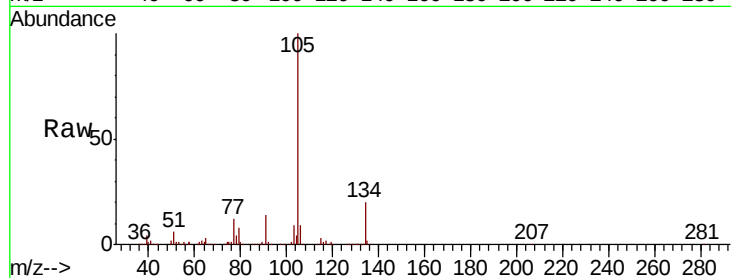
ClientSampleId :

Tot Ion:105 Resp: 1134060

Ion Ratio Lower Upper

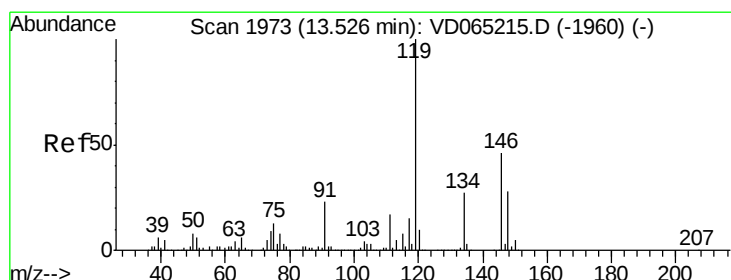
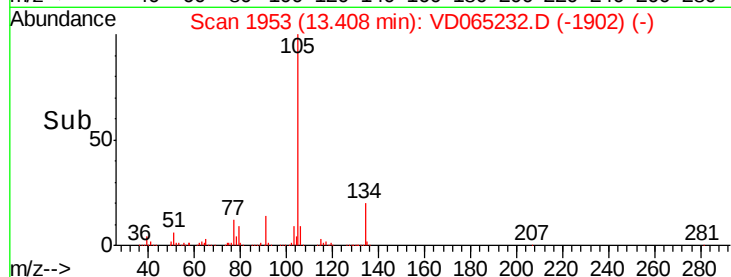
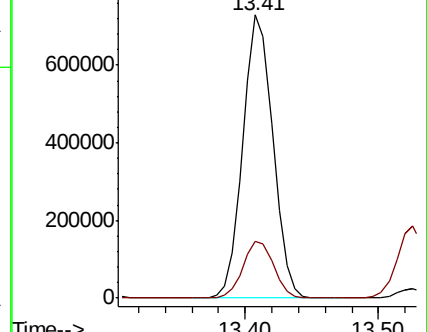
105 100

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



#86

p-Isopropyltoluene

Concen: 56.122 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

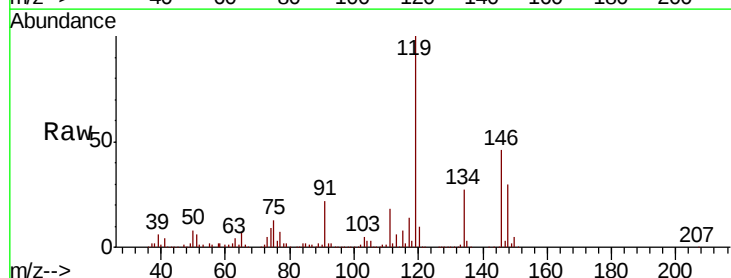
Tgt Ion:119 Resp: 1047326

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

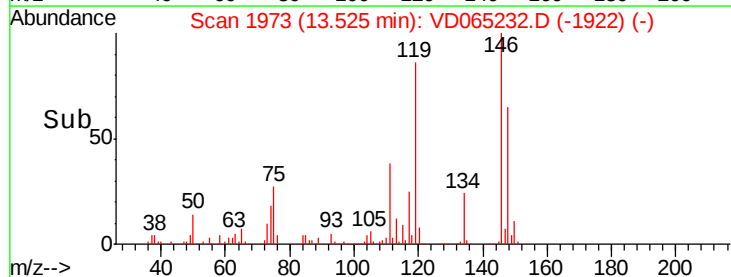
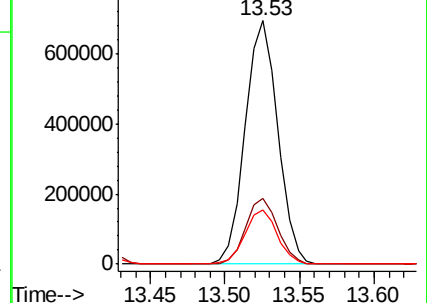
91 22.1 11.1 33.1

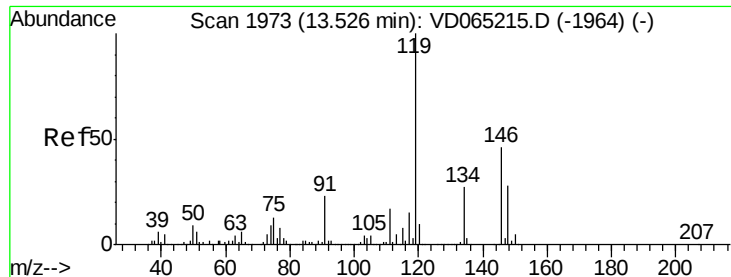


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.885 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

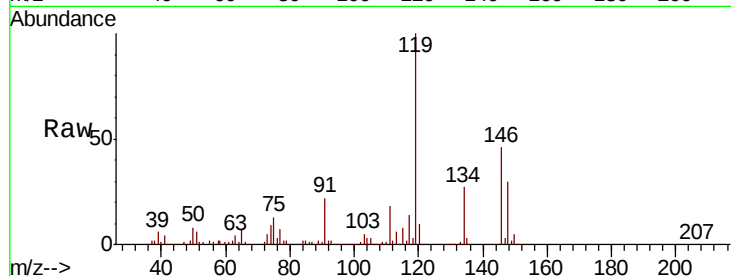
Tot Ion:146 Resp: 510989

Ion Ratio Lower Upper

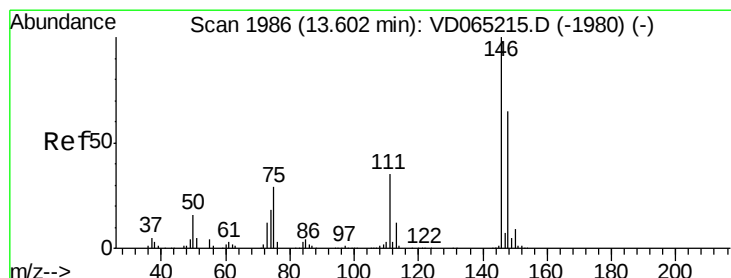
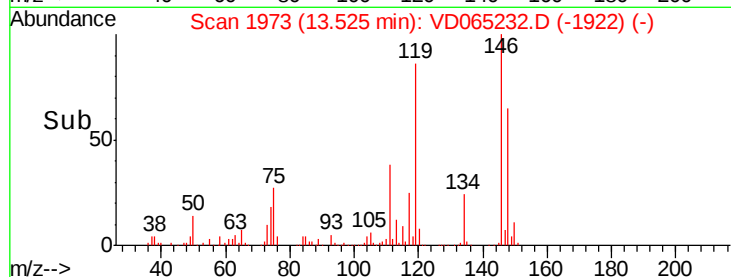
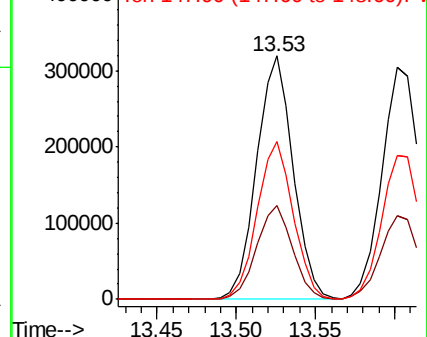
146 100

111 38.0 18.6 55.8

148 64.1 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 51.902 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

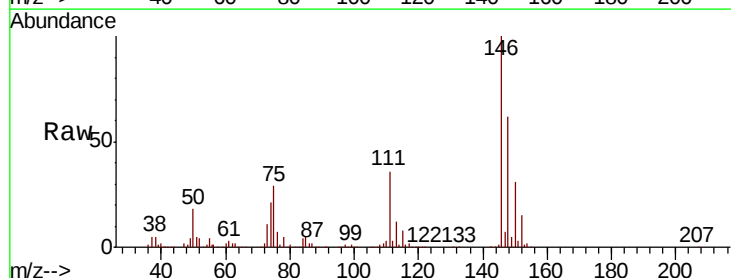
Tgt Ion:146 Resp: 504487

Ion Ratio Lower Upper

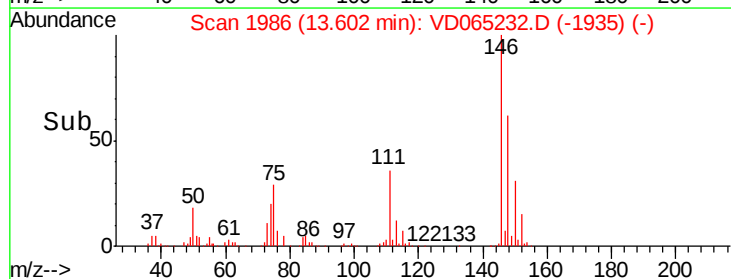
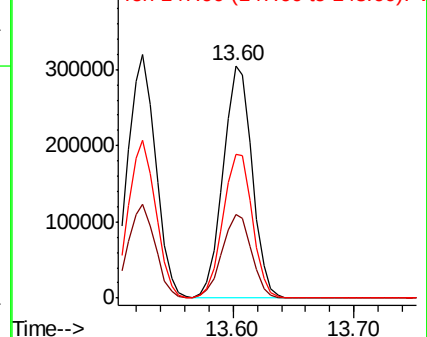
146 100

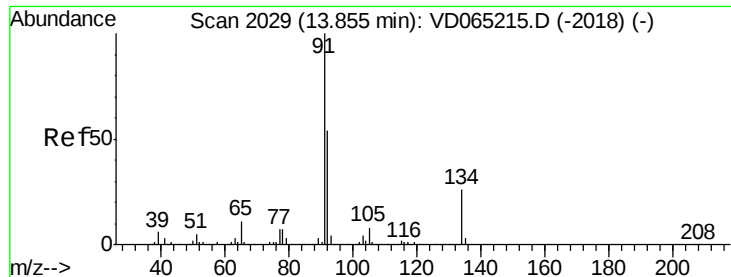
111 36.5 18.4 55.2

148 63.0 32.1 96.5



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

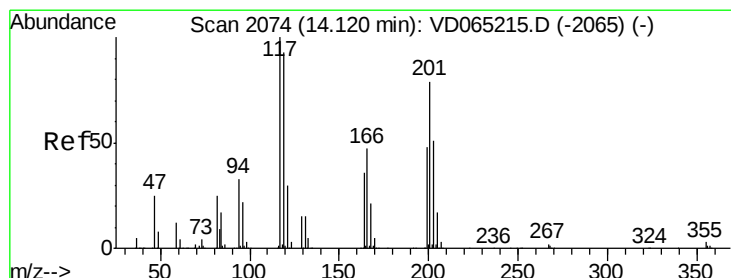
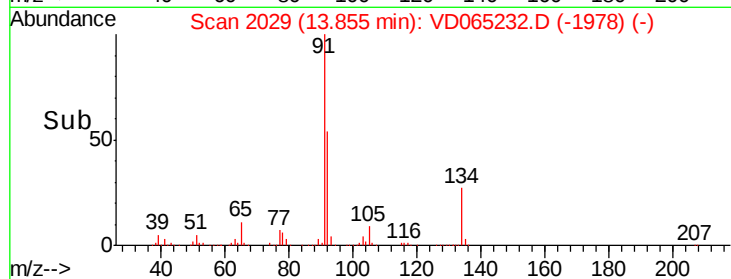
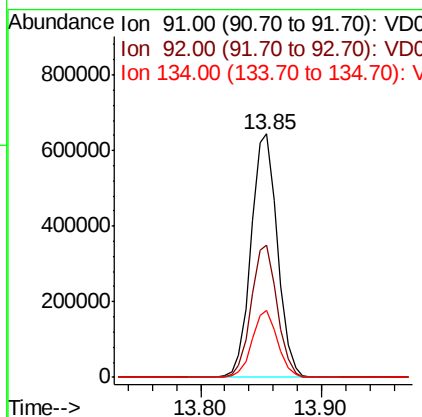
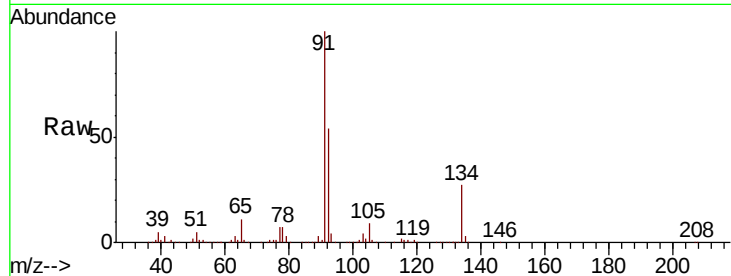




#89
n-Butylbenzene
Concen: 56.720 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

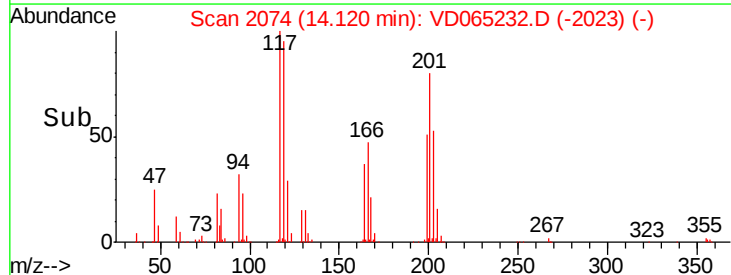
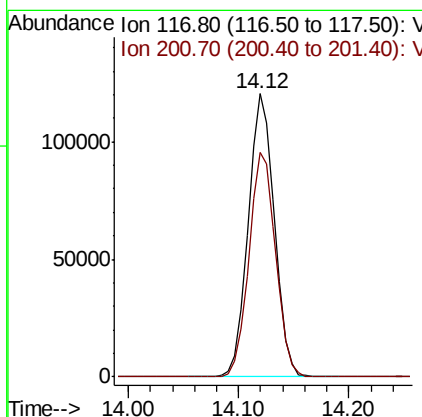
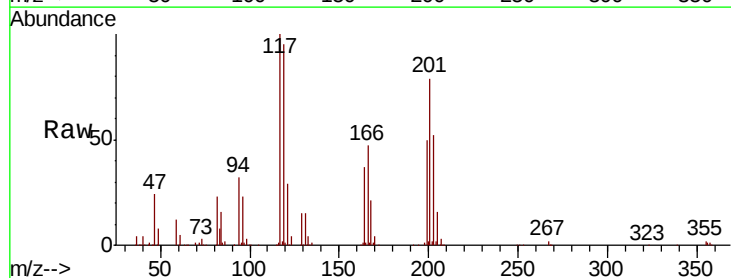
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 975369
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 52.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 117 Resp: 199808
Ion Ratio Lower Upper
117 100
201 80.9 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 51.394 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065232.D

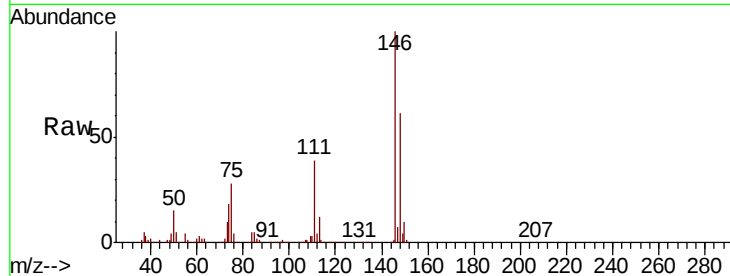
Acq: 19 Feb 2020 11:49

Instrument :

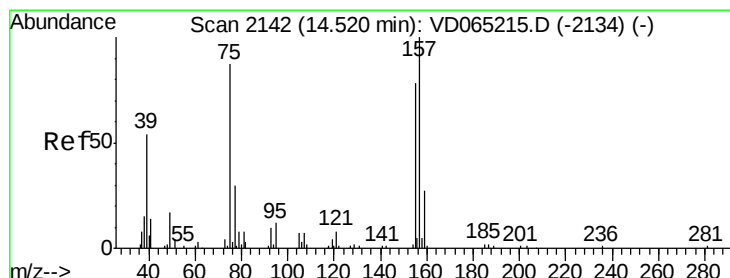
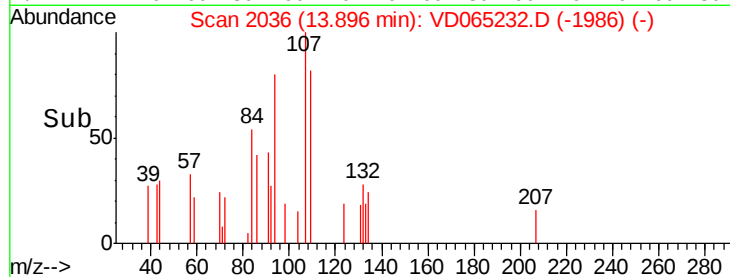
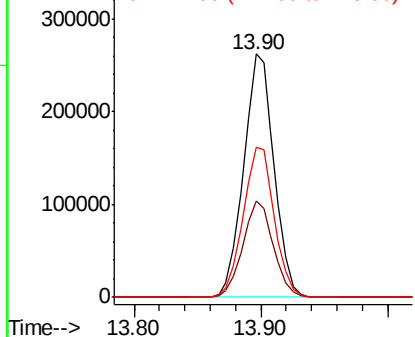
MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	434596
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.3	32.0	96.2



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: 46.000 ug/l

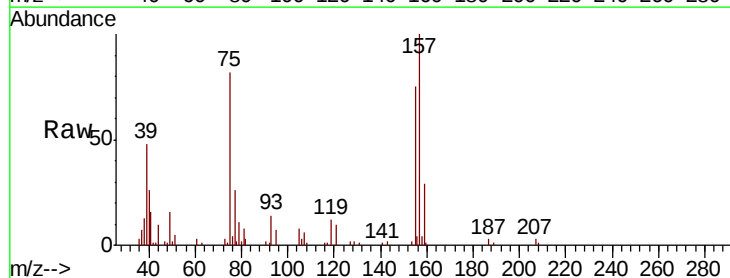
RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

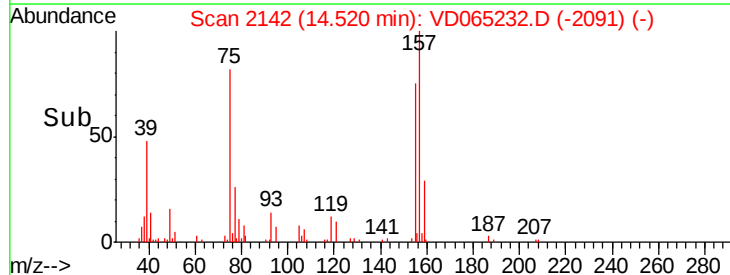
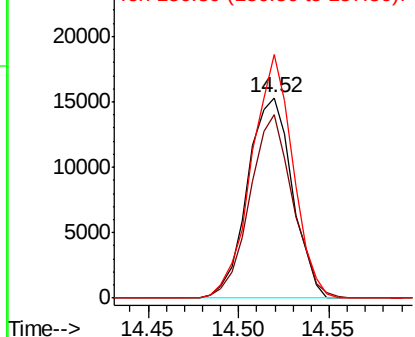
Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	75	Resp:	26247
Ion	Ratio	Lower	Upper
75	100		
155	88.2	42.3	126.9
157	112.3	56.7	170.1



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

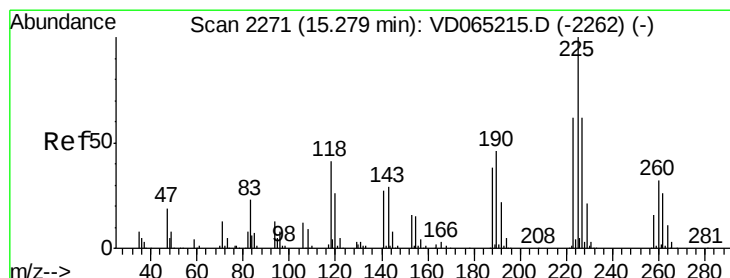
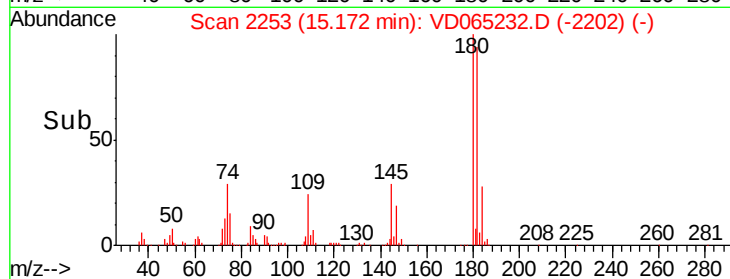
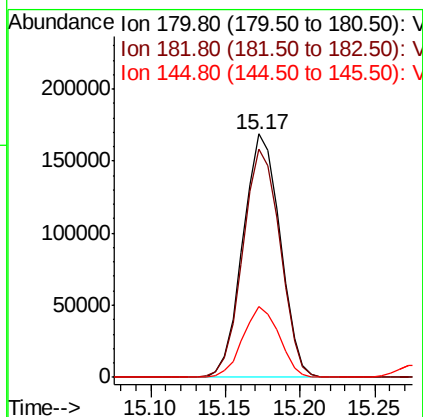
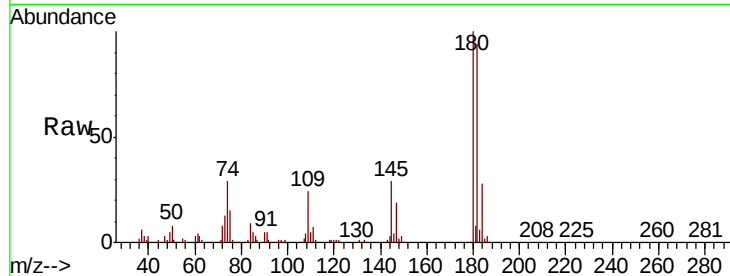




#93
 1,2,4-Trichlorobenzene
 Concen: 52.710 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

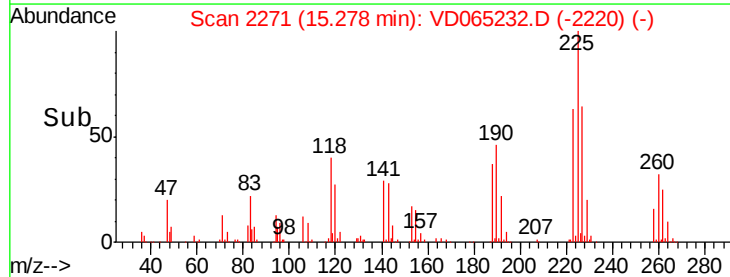
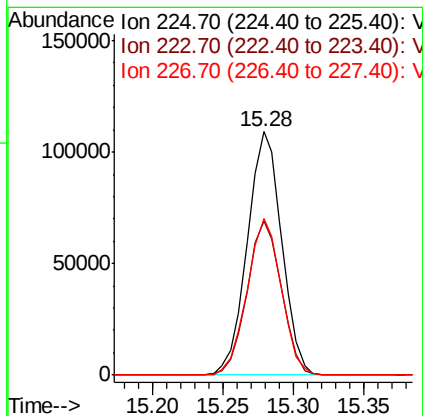
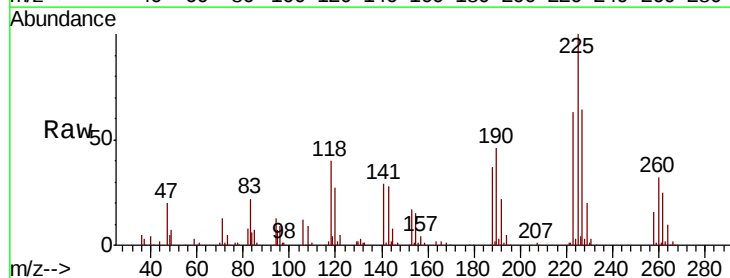
Instrument :
 MSVOA_D
 ClientSampleID :

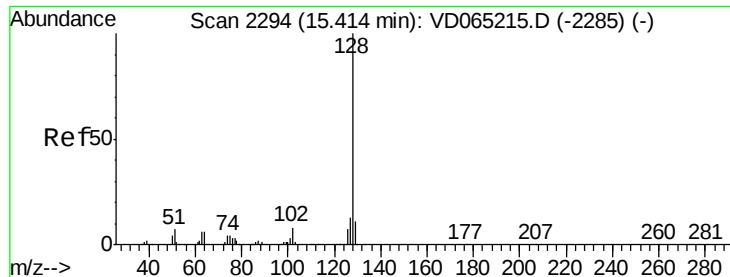
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.9	140.6
145	28.6	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 52.656 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	63.6	31.7	95.1





#95

Naphthalene

Concen: 51.732 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

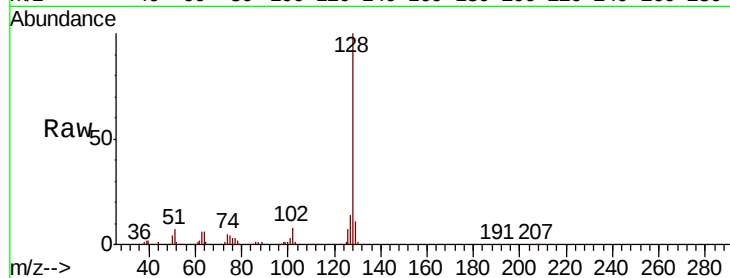
Tot Ion:128 Resp: 465178

Ion Ratio Lower Upper

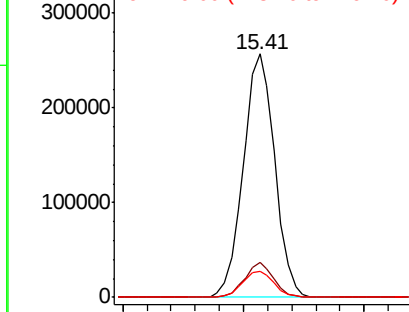
128 100

127 13.3 10.3 15.5

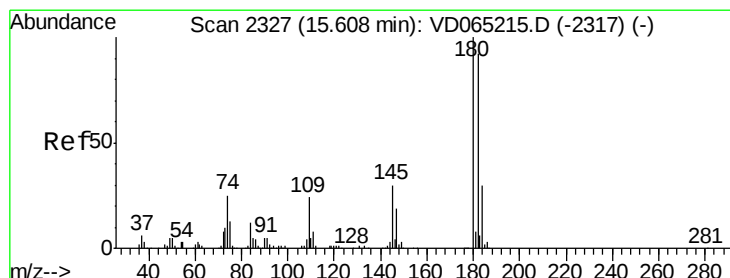
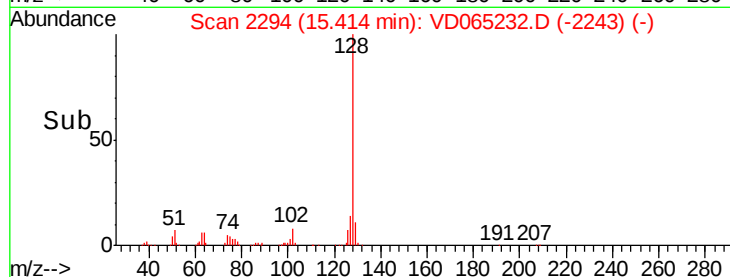
129 10.8 8.8 13.2



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



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 51.188 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

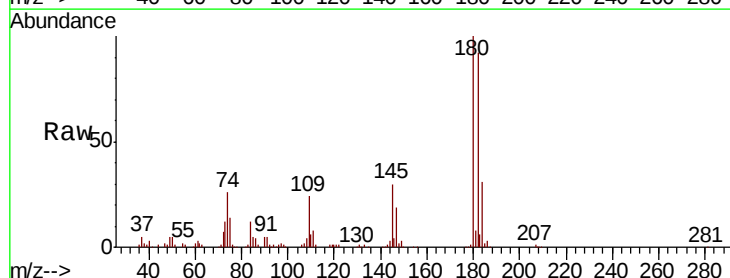
Tgt Ion:180 Resp: 247281

Ion Ratio Lower Upper

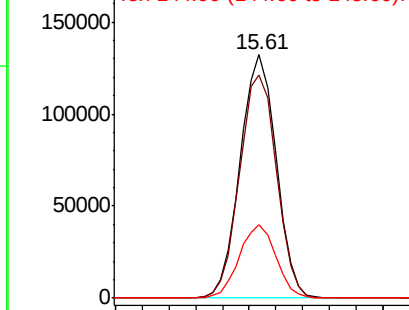
180 100

182 94.2 46.9 140.6

145 30.5 15.4 46.1



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



Time--> 15.50 15.60 15.70

