

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065245.D
 Acq On : 19 Feb 2020 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:42:51 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	524544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	721346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	233487	49.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.96%	
35) Dibromofluoromethane	7.92	113	239225	50.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.38%	
50) Toluene-d8	10.34	98	928266	51.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	302592	52.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	221977	50.455	ug/l	96
3) Chloromethane	2.21	50	269935	48.204	ug/l	100
4) Vinyl Chloride	2.35	62	261026	45.840	ug/l	98
5) Bromomethane	2.74	94	145880	42.371	ug/l	98
6) Chloroethane	2.91	64	160577	46.198	ug/l	98
7) Trichlorofluoromethane	3.26	101	367579	45.088	ug/l	98
8) Diethyl Ether	3.70	74	116754	47.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	237116	46.057	ug/l	99
10) Methyl Iodide	4.29	142	324884	60.778	ug/l	99
11) Tert butyl alcohol	5.26	59	64571	228.991	ug/l	100
12) 1,1-Dichloroethene	4.05	96	230979	47.494	ug/l	98
13) Acrolein	3.93	56	100622	296.792	ug/l	98
14) Allyl chloride	4.71	41	381641	48.324	ug/l	98
15) Acrylonitrile	5.43	53	263749	242.083	ug/l	99
16) Acetone	4.17	43	246709	213.876	ug/l	94
17) Carbon Disulfide	4.40	76	751074	46.064	ug/l	100
18) Methyl Acetate	4.72	43	127260	49.053	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	506944	49.986	ug/l	98
20) Methylene Chloride	4.96	84	265146	51.799	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	265146	47.958	ug/l	95
22) Diisopropyl ether	6.37	45	762899	50.109	ug/l	97
23) Vinyl Acetate	6.31	43	2138815	254.823	ug/l	99
24) 1,1-Dichloroethane	6.26	63	445783	47.206	ug/l	98
25) 2-Butanone	7.22	43	336819	230.785	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363483	44.363	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	287917	49.164	ug/l	97
28) Bromochloromethane	7.55	49	178414	50.925	ug/l	98
29) Tetrahydrofuran	7.57	42	214573	250.926	ug/l	99
30) Chloroform	7.71	83	447016	46.986	ug/l	100
31) Cyclohexane	7.98	56	417728	45.022	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	395092	46.415	ug/l	99
36) 1,1-Dichloropropene	8.11	75	358981	47.663	ug/l	99
37) Ethyl Acetate	7.30	43	153868	48.869	ug/l	97
38) Carbon Tetrachloride	8.10	117	354946	46.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	438264	49.496	ug/l	98
40) Benzene	8.36	78	1037908	48.822	ug/l	99
41) Methacrylonitrile	7.53	41	96322	52.983	ug/l	91
42) 1,2-Dichloroethane	8.43	62	280767	48.041	ug/l	100
43) Isopropyl Acetate	8.46	43	275040	48.037	ug/l	99
44) Trichloroethene	9.11	130	286265	48.578	ug/l	98
45) 1,2-Dichloropropane	9.39	63	254425	48.130	ug/l	98
46) Dibromomethane	9.48	93	134043	49.283	ug/l	98
47) Bromodichloromethane	9.67	83	343778	47.962	ug/l	97
48) Methyl methacrylate	9.46	41	134655	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	32973	1033.648	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	729818	250.961	ug/l	100
52) Toluene	10.41	92	662877	50.375	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	325724	49.026	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395140	49.253	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	184485	48.191	ug/l	97
56) Ethyl methacrylate	10.67	69	230964	52.271	ug/l	100
57) 1,3-Dichloropropane	10.95	76	323108	49.591	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	320370	229.977	ug/l	100
59) 2-Hexanone	10.99	43	509286	244.645	ug/l	96
60) Dibromochloromethane	11.14	129	237202	48.411	ug/l	100
61) 1,2-Dibromoethane	11.25	107	179249	49.454	ug/l	100
64) Tetrachloroethene	10.88	164	243643	47.623	ug/l	94
65) Chlorobenzene	11.67	112	690318	47.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	255823	47.358	ug/l	98
67) Ethyl Benzene	11.75	91	1236918	48.789	ug/l	100
68) m/p-Xylenes	11.86	106	959672	98.939	ug/l	98
69) o-Xylene	12.18	106	429478	49.978	ug/l	99
70) Styrene	12.20	104	775977	50.860	ug/l	100
71) Bromoform	12.37	173	139977	46.697	ug/l #	100
73) Isopropylbenzene	12.48	105	1165514	50.320	ug/l	100
74) N-amyl acetate	12.30	43	251327	48.832	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	200819	48.040	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	259978	87.338	ug/l #	100
77) Bromobenzene	12.77	156	285549	49.647	ug/l	99
78) n-propylbenzene	12.83	91	1391684	49.999	ug/l	99
79) 2-Chlorotoluene	12.91	91	773928	49.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	974074	51.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	63861	46.322	ug/l	99
82) 4-Chlorotoluene	13.01	91	824949	49.833	ug/l	100
83) tert-Butylbenzene	13.23	119	829746	51.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	983685	51.517	ug/l	99
85) sec-Butylbenzene	13.41	105	1144471	49.675	ug/l	100
86) p-Isopropyltoluene	13.53	119	1072923	50.924	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	543879	48.914	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	537266	48.958	ug/l	100
89) n-Butylbenzene	13.85	91	987232	50.849	ug/l	99
90) Hexachloroethane	14.12	117	198335	46.361	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	471654	49.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29664	46.048	ug/l	89

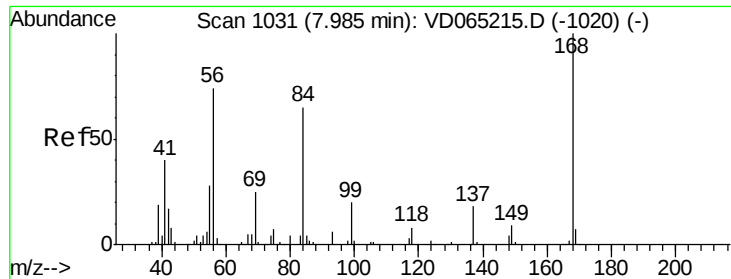
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	327439	52.433	ug/l	98
94) Hexachlorobutadiene	15.28	225	202926	50.655	ug/l	99
95) Naphthalene	15.41	128	549652	54.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	286731	52.571	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

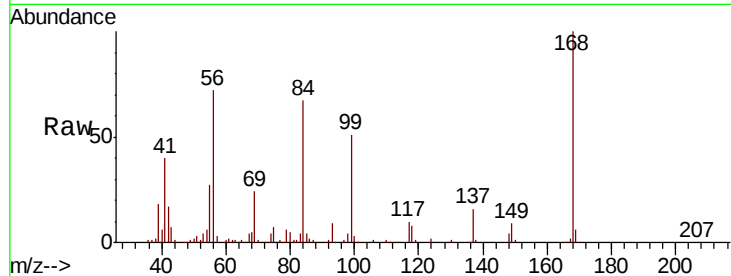
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 524544

Ion Ratio Lower Upper

168 100

99 50.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

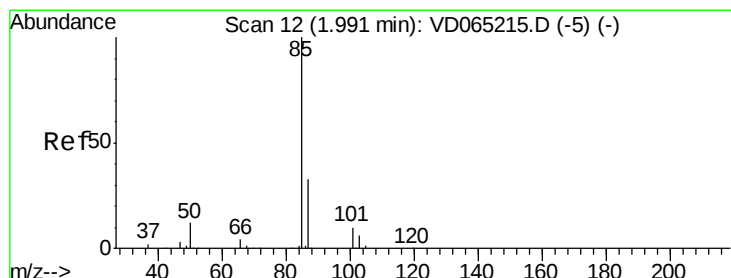
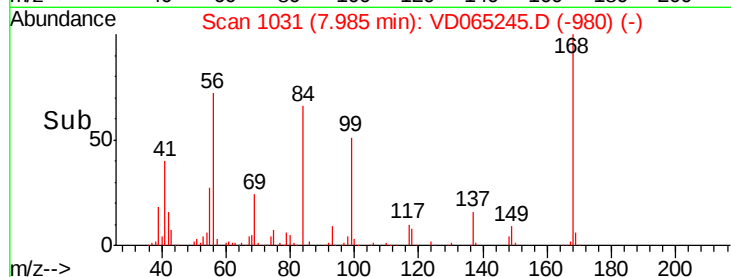
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.455 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065245.D

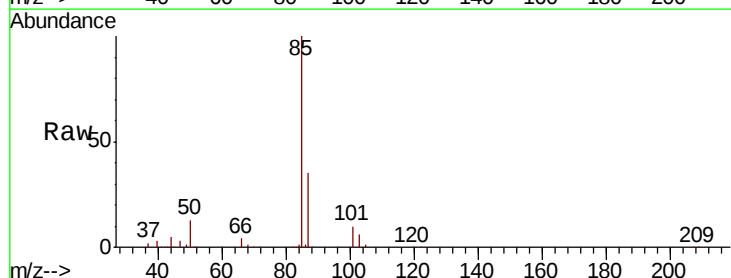
Acq: 19 Feb 2020 18:16

Tgt Ion: 85 Resp: 221977

Ion Ratio Lower Upper

85 100

87 35.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

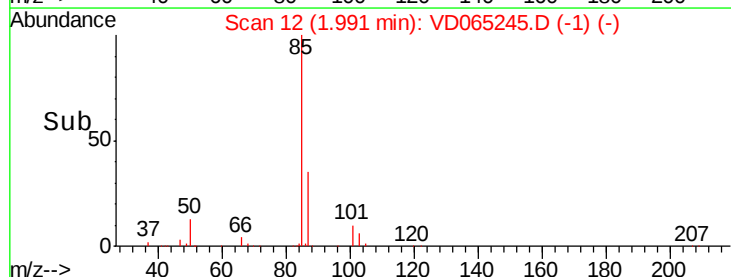
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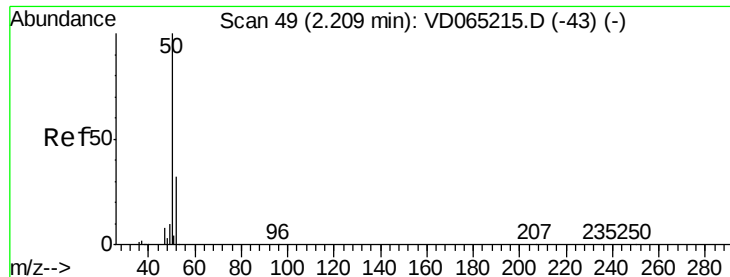
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.204 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

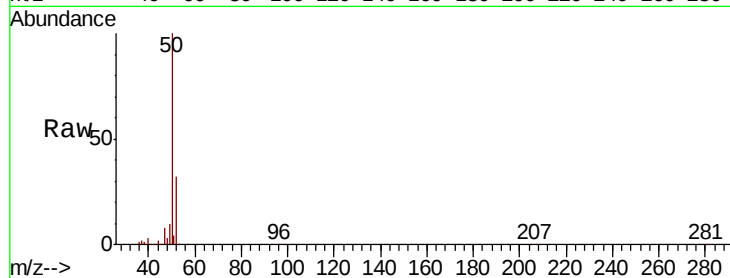
ClientSampleId :

Tot Ion: 50 Resp: 269935

Ion Ratio Lower Upper

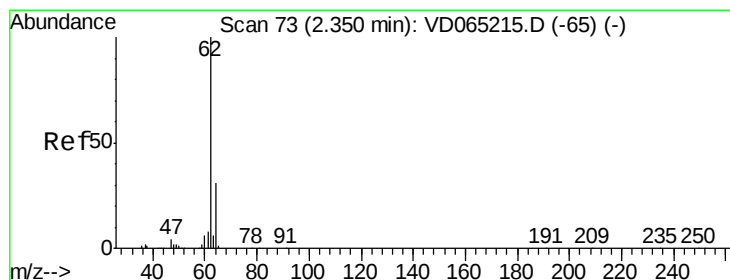
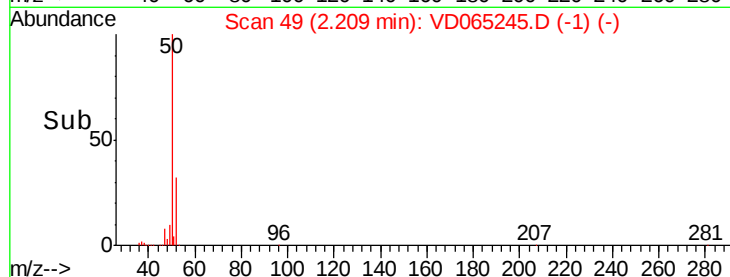
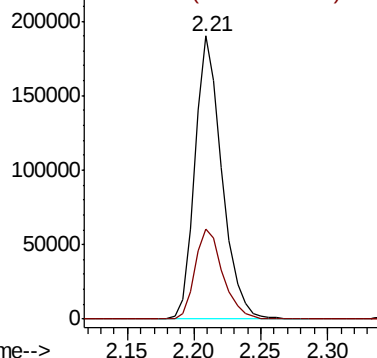
50 100

52 31.8 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: 45.840 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065245.D

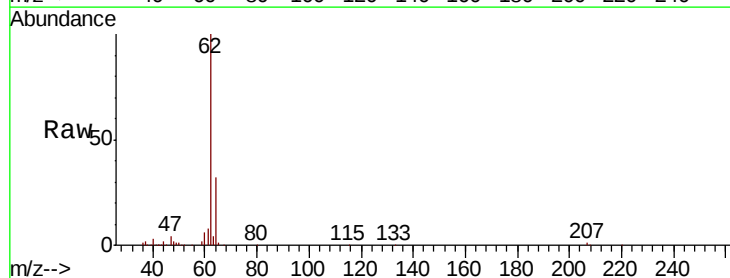
Acq: 19 Feb 2020 18:16

Tgt Ion: 62 Resp: 261026

Ion Ratio Lower Upper

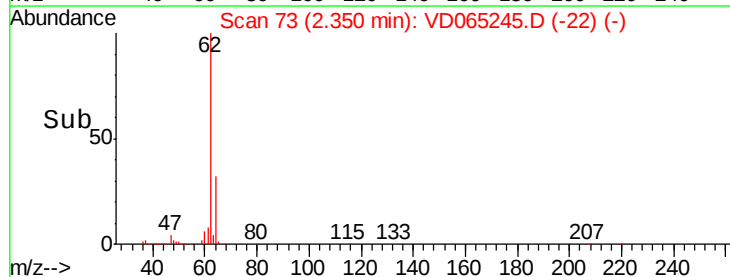
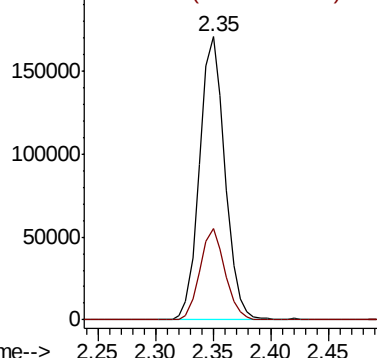
62 100

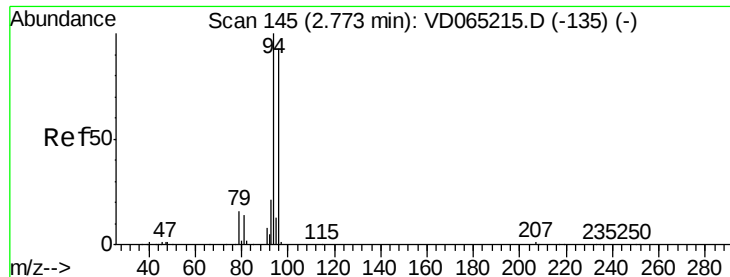
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.371 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

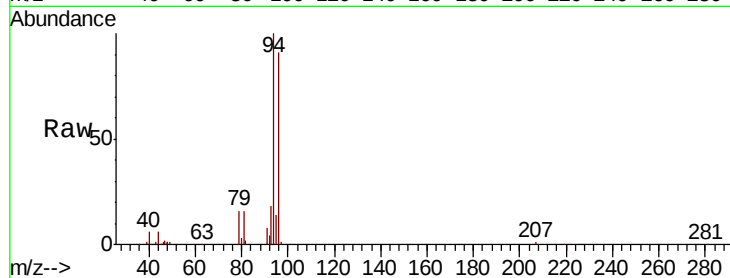
ClientSampleId :

Tot Ion: 94 Resp: 145880

Ion Ratio Lower Upper

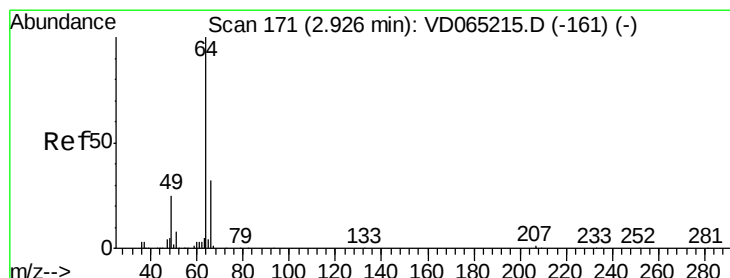
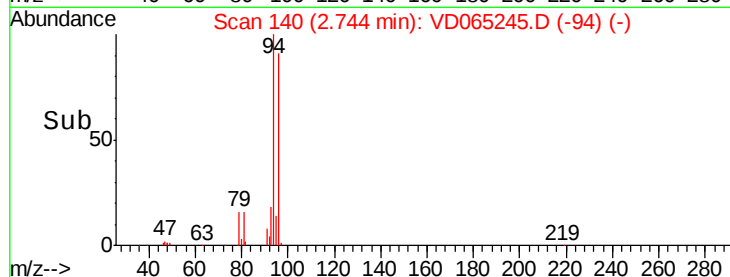
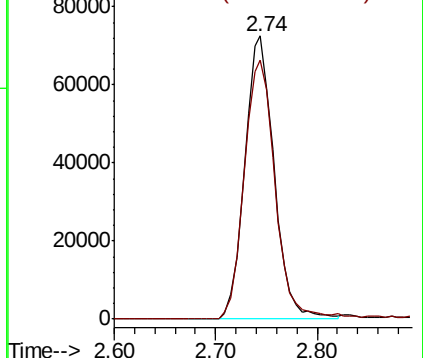
94 100

96 91.1 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: 46.198 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065245.D

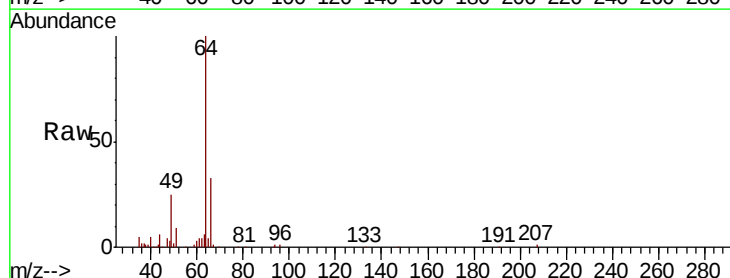
Acq: 19 Feb 2020 18:16

Tgt Ion: 64 Resp: 160577

Ion Ratio Lower Upper

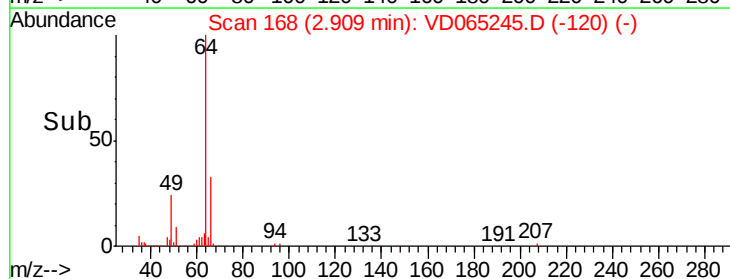
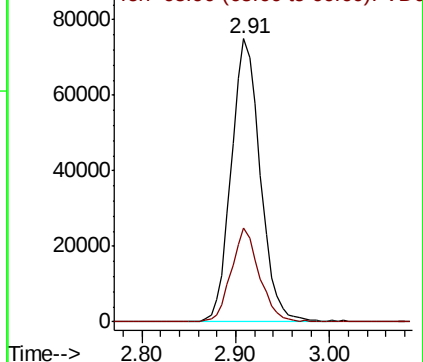
64 100

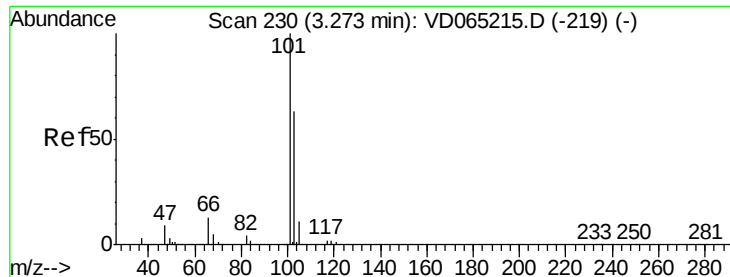
66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



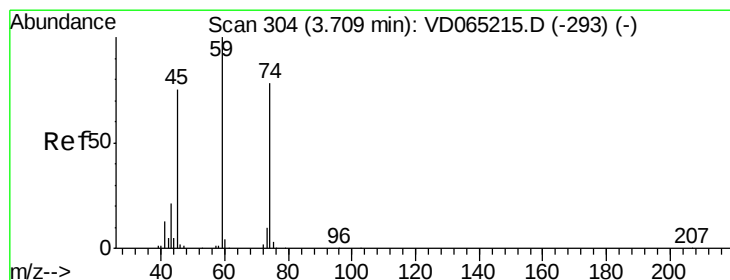
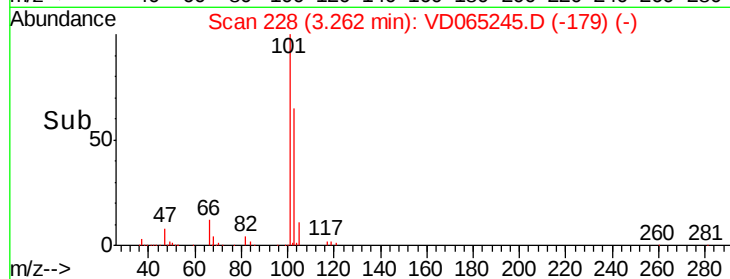
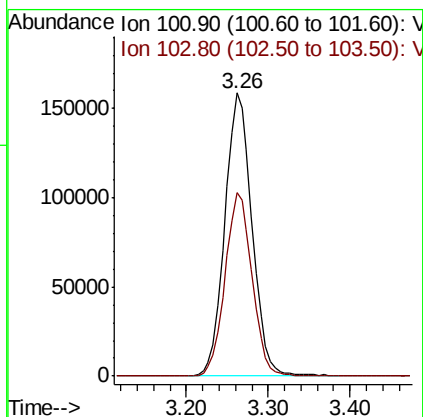
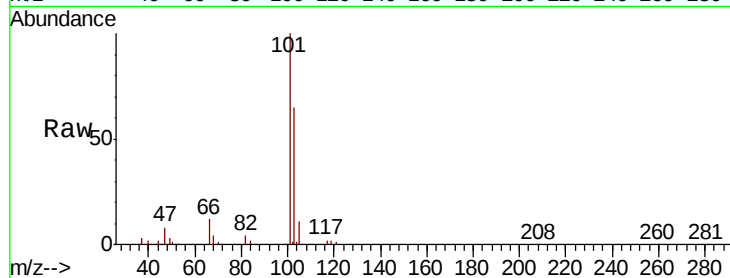


#7

Trichlorofluoromethane
 Concen: 45.088 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :

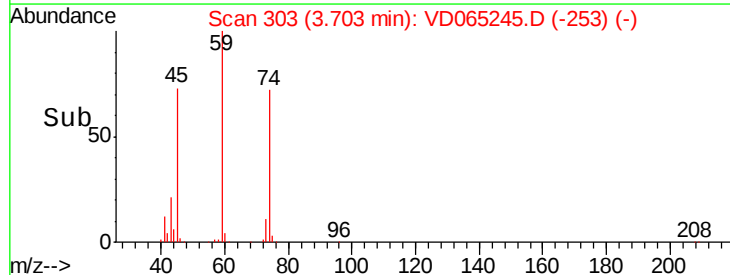
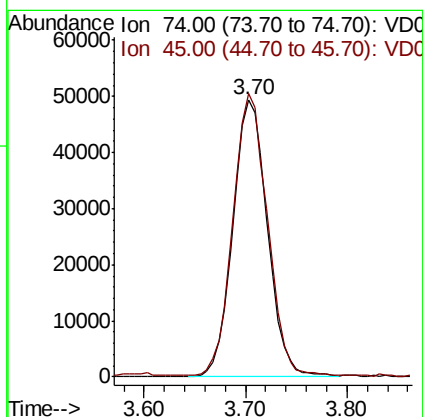
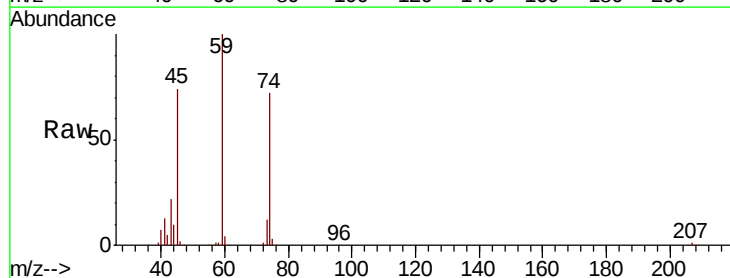
Tot Ion:101 Resp: 367579
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.7 76.1

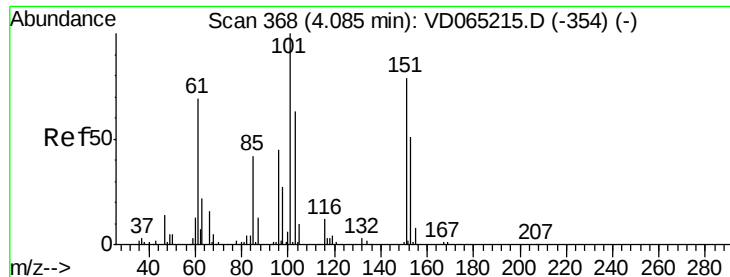


#8

Diethyl Ether
 Concen: 47.445 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 74 Resp: 116754
 Ion Ratio Lower Upper
 74 100
 45 101.7 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.057 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

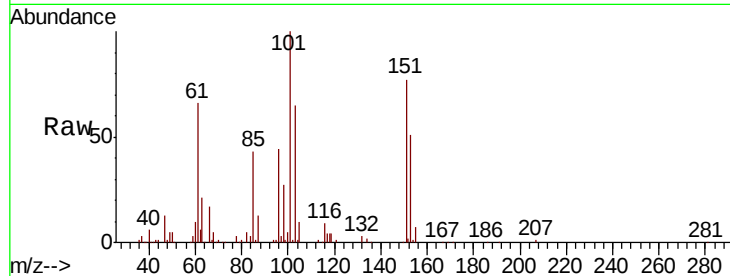
Tot Ion:101 Resp: 237116

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.2

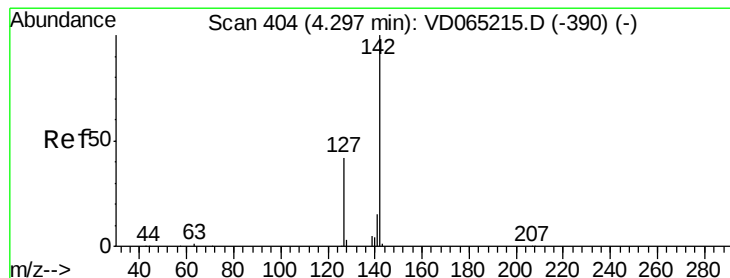
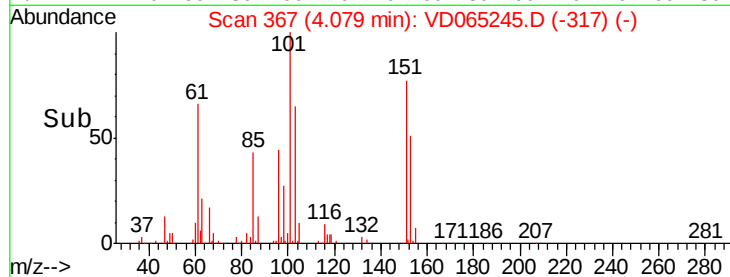
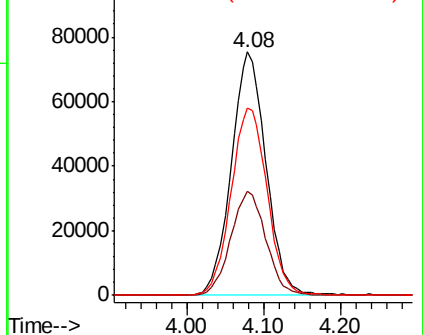
151 80.1 63.5 95.3



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: 60.778 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

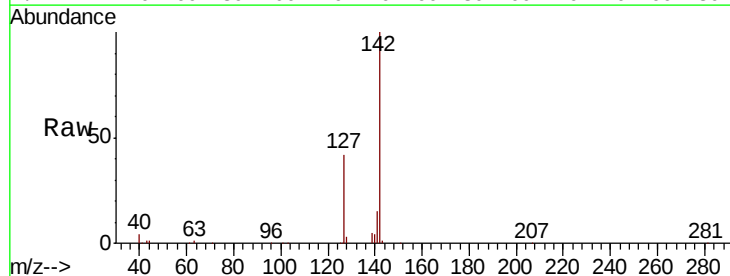
Tgt Ion:142 Resp: 324884

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.8

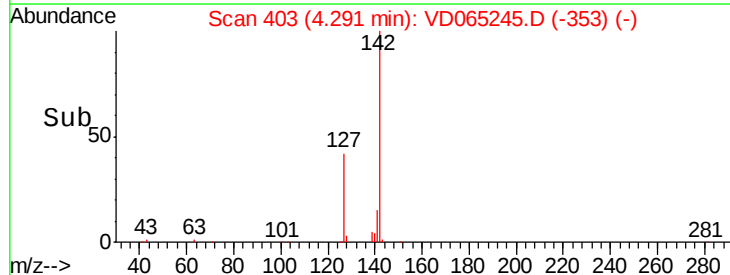
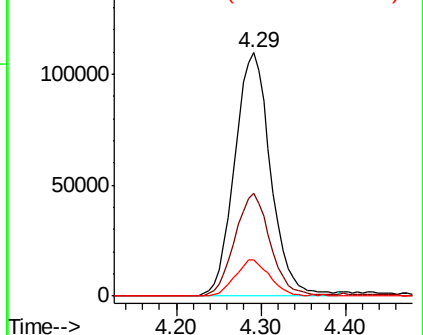
141 14.4 11.7 17.5

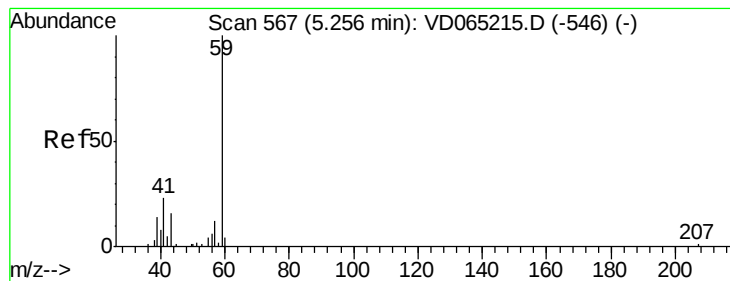


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



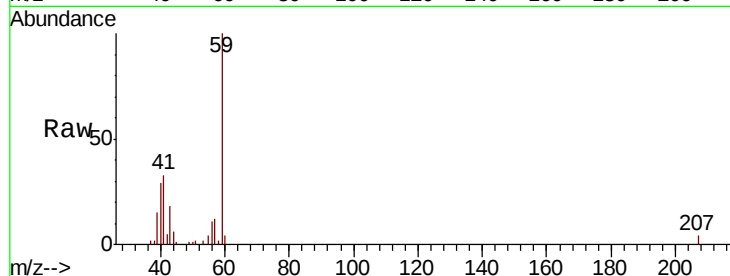


#11

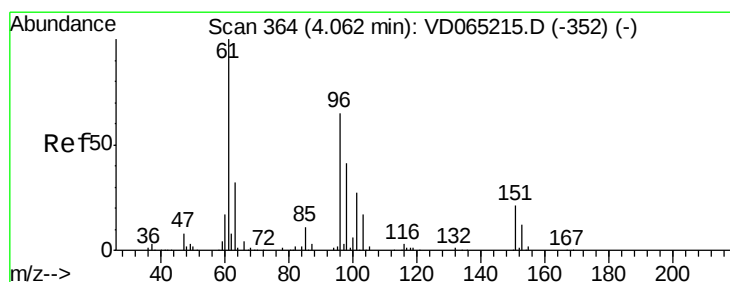
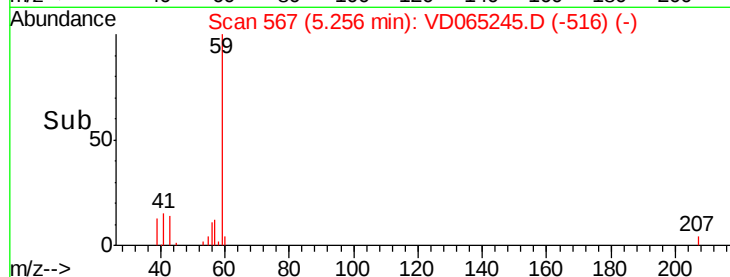
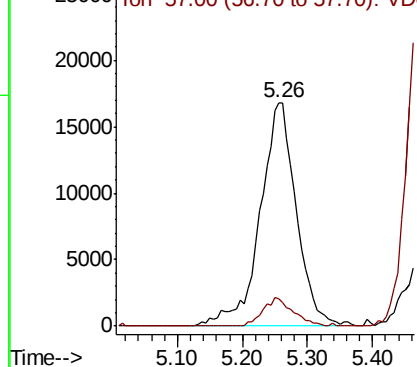
Tert butyl alcohol
Concen: 228.991 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 64571
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6



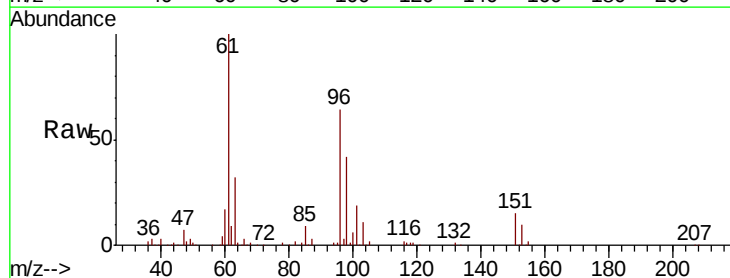
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



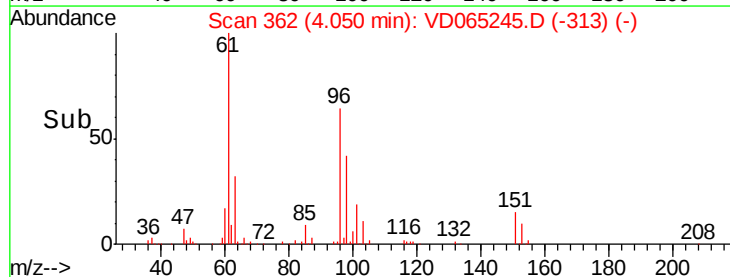
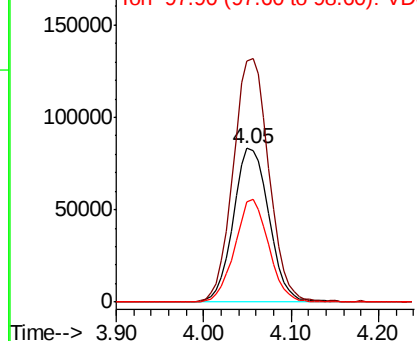
#12

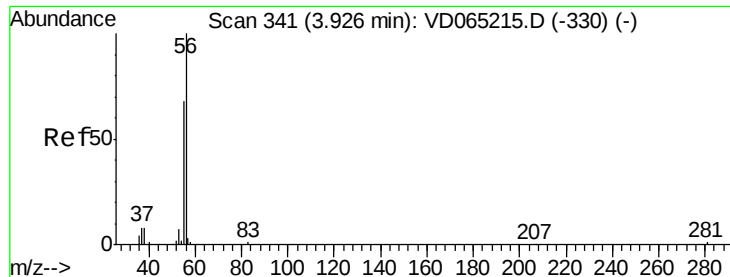
1,1-Dichloroethene
Concen: 47.494 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 96 Resp: 230979
Ion Ratio Lower Upper
96 100
61 157.1 123.3 184.9
98 65.6 51.0 76.4



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

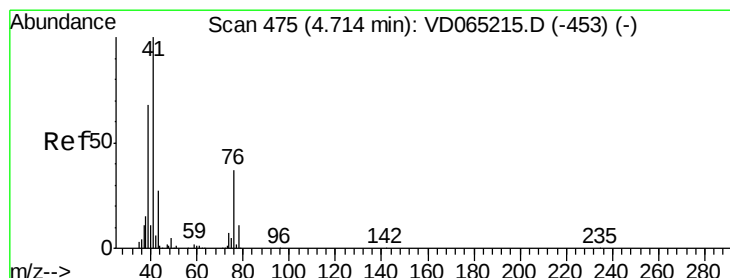
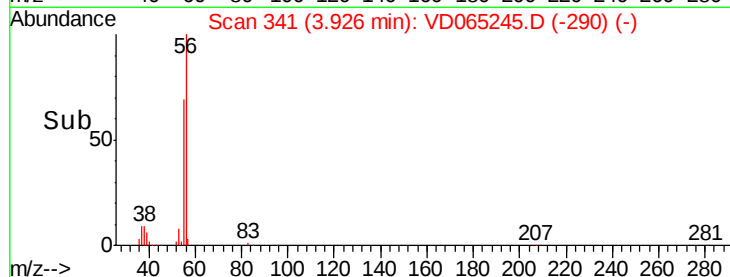
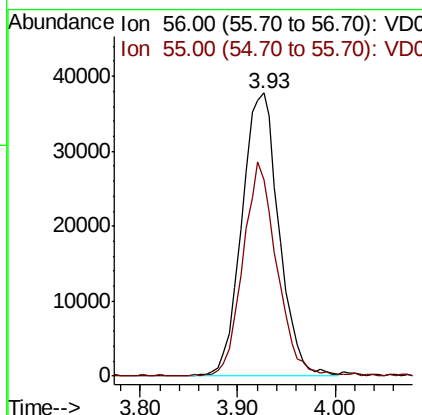
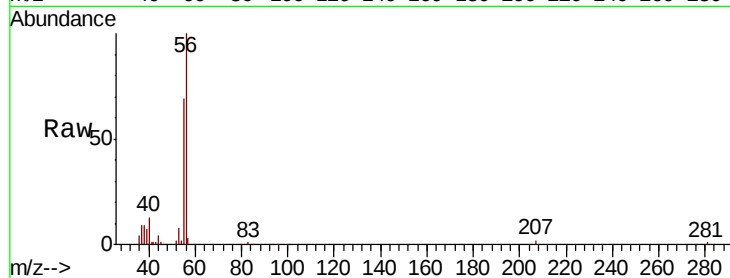




#13
Acrolein
Concen: 296.792 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

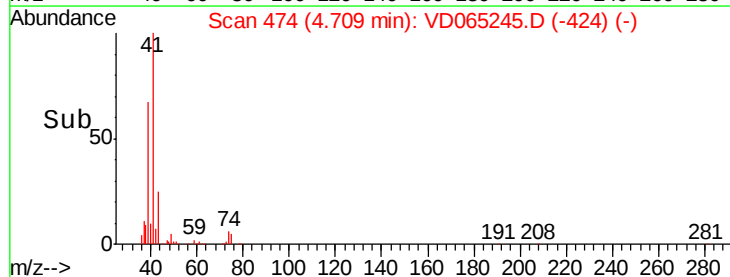
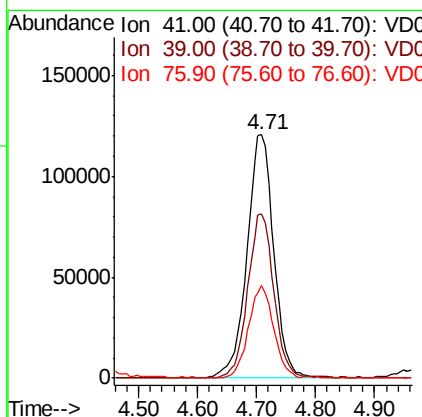
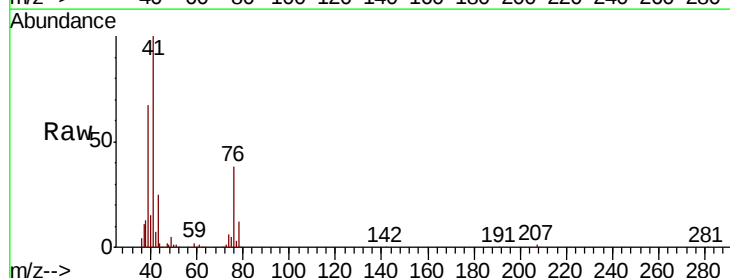
Instrument :
MSVOA_D
ClientSampleId :

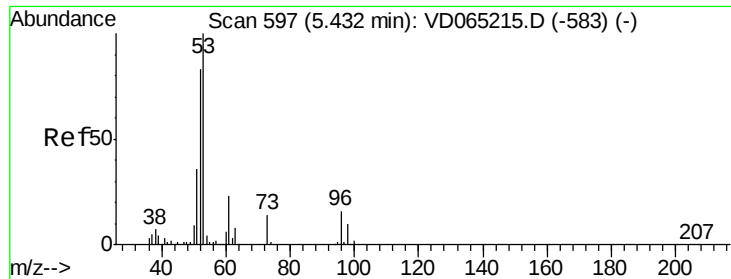
Tot Ion: 56 Resp: 100622
Ion Ratio Lower Upper
56 100
55 69.5 56.6 85.0



#14
Allyl chloride
Concen: 48.324 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 41 Resp: 381641
Ion Ratio Lower Upper
41 100
39 65.6 53.8 80.6
76 35.4 28.7 43.1





#15

Acrylonitrile

Concen: 242.083 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampled :

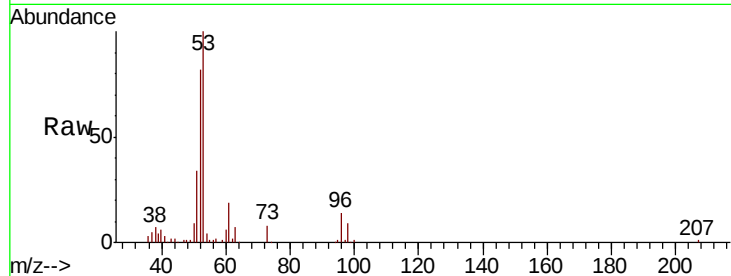
Tot Ion: 53 Resp: 263749

Ion Ratio Lower Upper

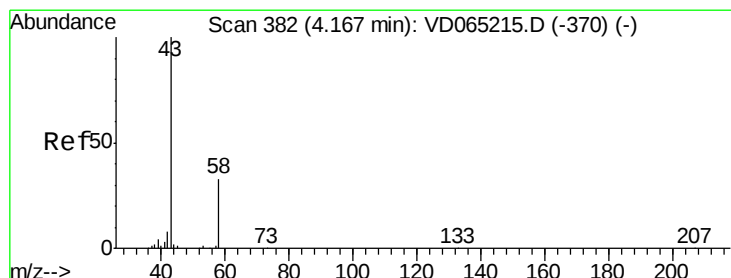
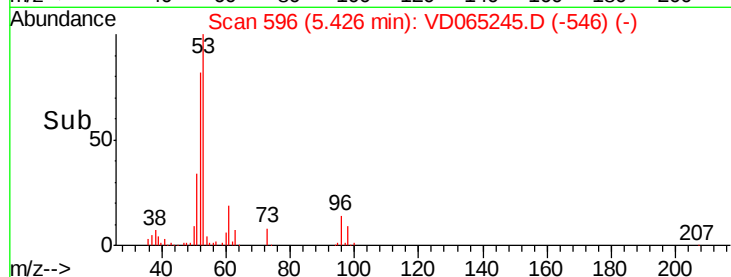
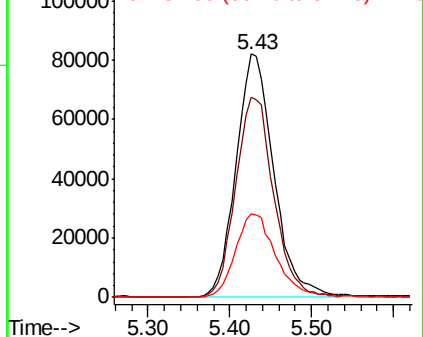
53 100

52 83.4 65.4 98.2

51 37.2 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: 213.876 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065245.D

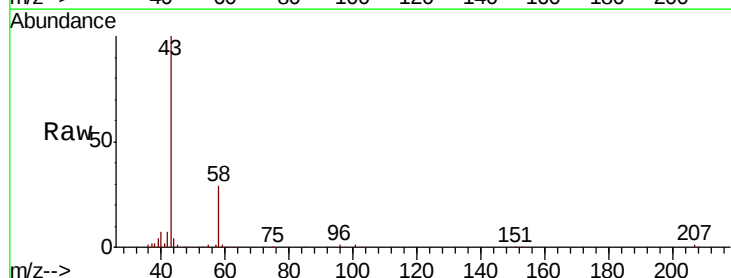
Acq: 19 Feb 2020 18:16

Tgt Ion: 43 Resp: 246709

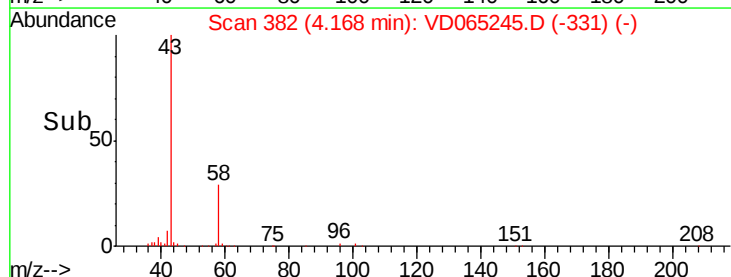
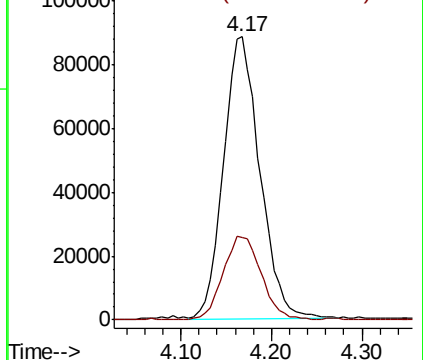
Ion Ratio Lower Upper

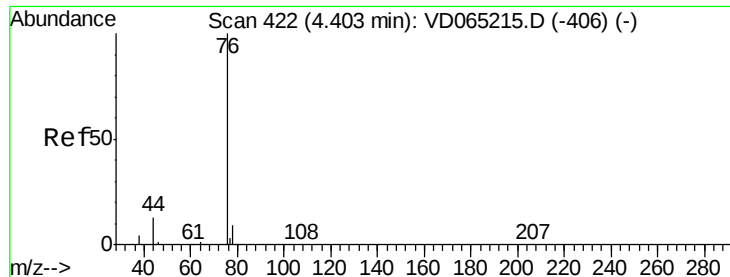
43 100

58 29.1 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: 46.064 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

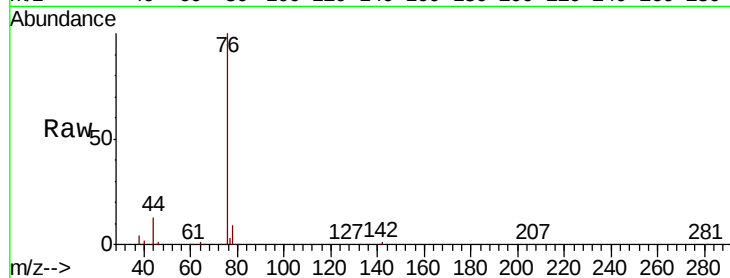
ClientSampleId :

Tot Ion: 76 Resp: 751074

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

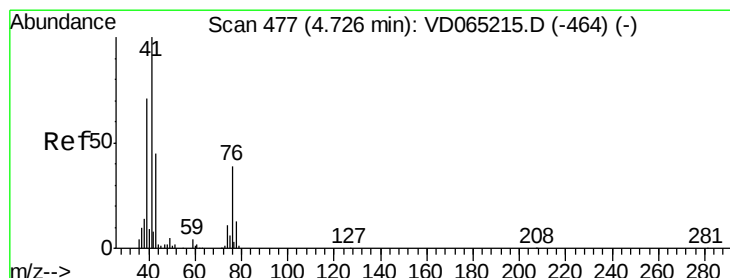
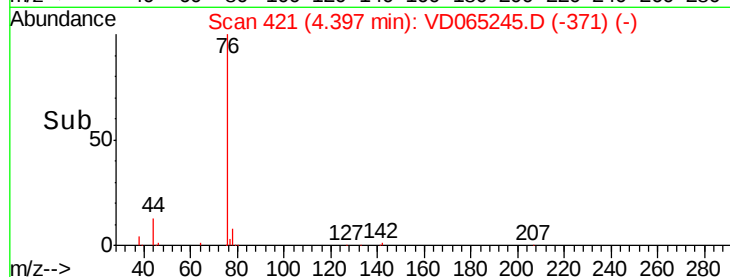
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.053 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065245.D

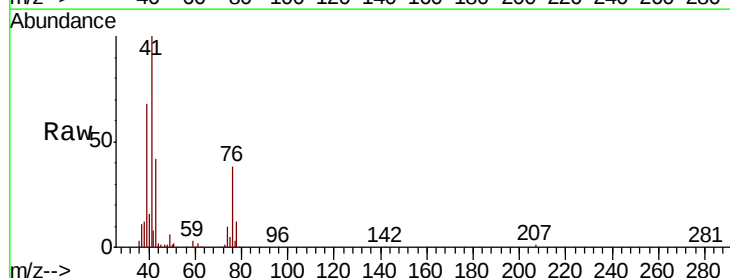
Acq: 19 Feb 2020 18:16

Tgt Ion: 43 Resp: 127260

Ion Ratio Lower Upper

43 100

74 22.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

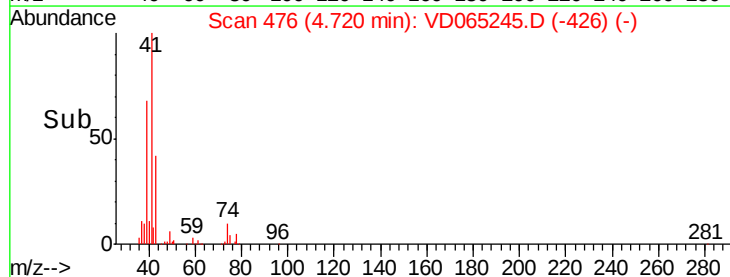
30000

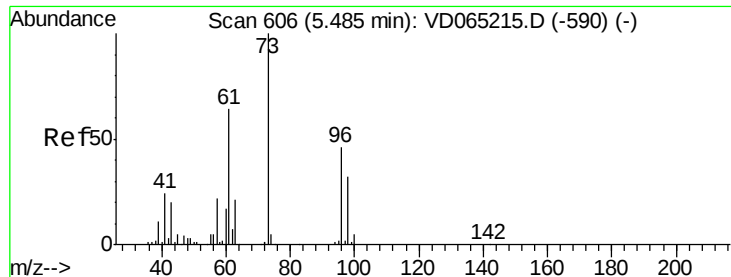
20000

10000

0

Time-->

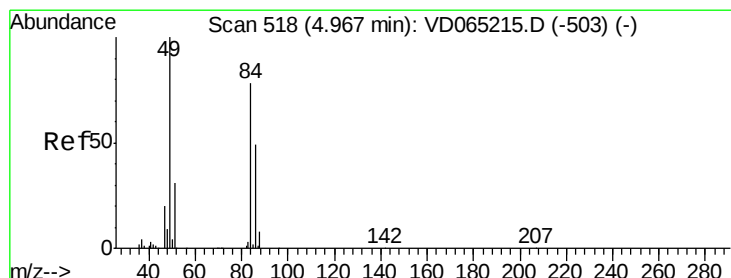
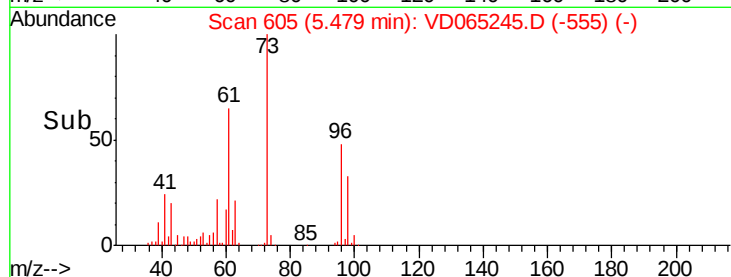
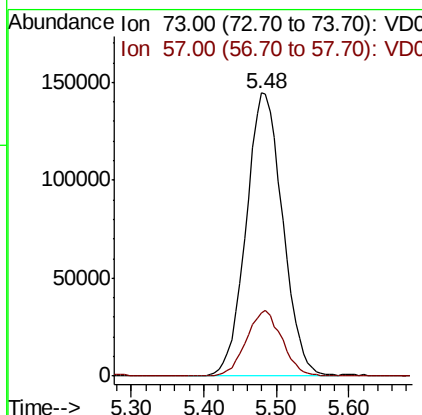
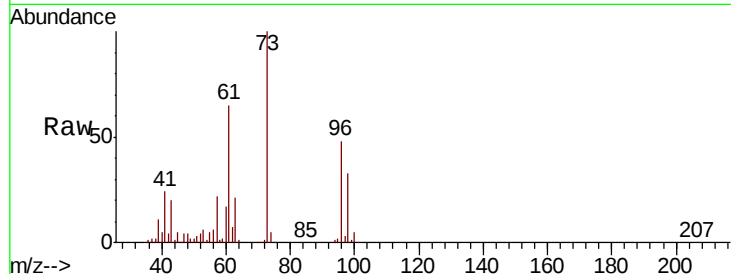




#19
Methvl tert-butvl Ether
Concen: 49.986 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

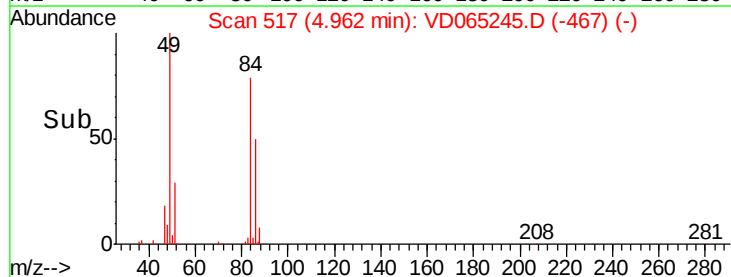
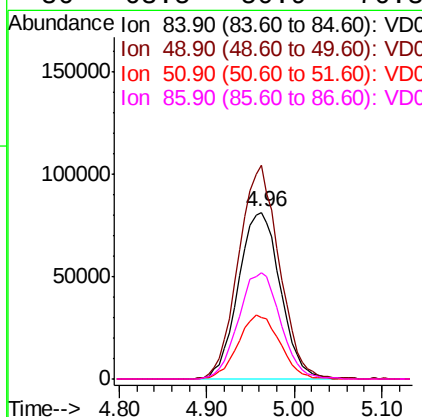
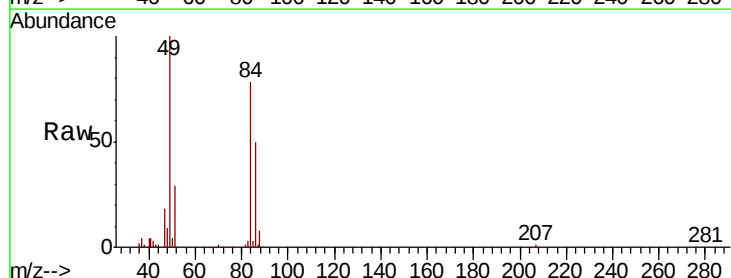
Instrument :
MSVOA_D
ClientSampleId :

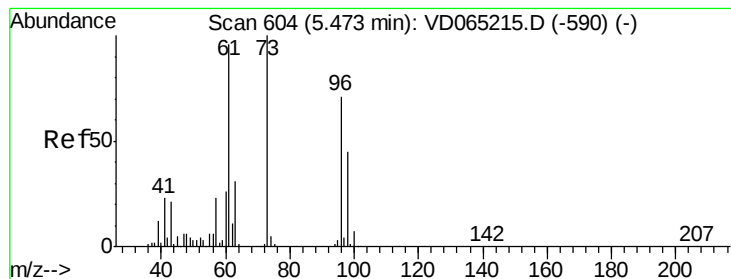
Tot Ion: 73 Resp: 506944
Ion Ratio Lower Upper
73 100
57 22.3 17.3 25.9



#20
Methylene Chloride
Concen: 51.799 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 84 Resp: 265146
Ion Ratio Lower Upper
84 100
49 128.1 103.1 154.7
51 36.8 31.7 47.5
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.958 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

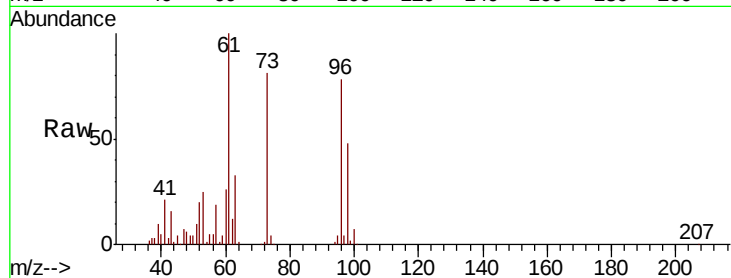
Tot Ion: 96 Resp: 265146

Ion Ratio Lower Upper

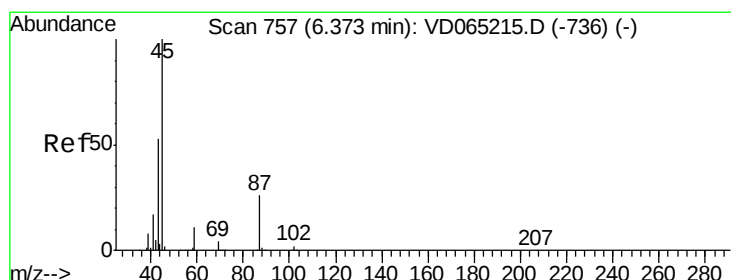
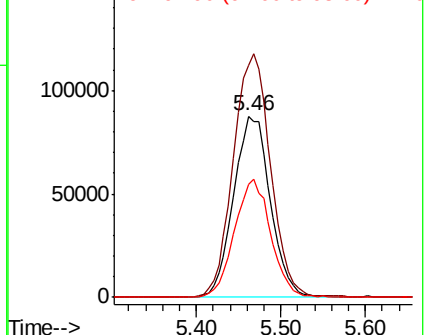
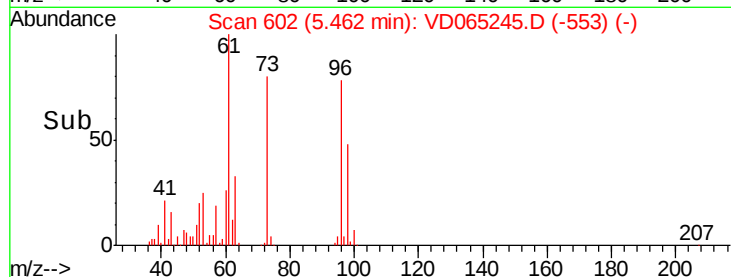
96 100

61 128.1 108.3 162.5

98 62.0 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: 50.109 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion: 45 Resp: 762899

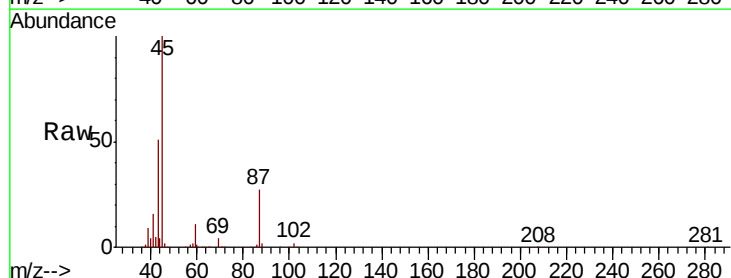
Ion Ratio Lower Upper

45 100

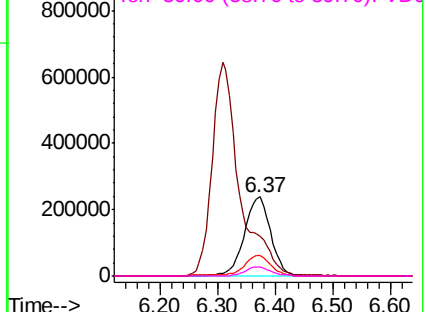
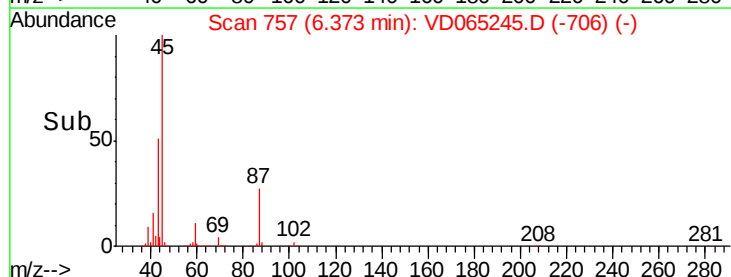
43 50.2 42.6 64.0

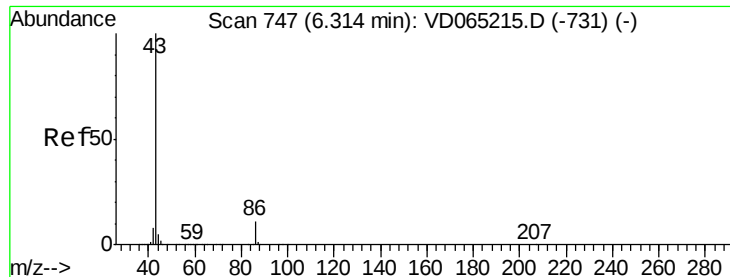
87 26.4 21.2 31.8

59 11.1 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: 254.823 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

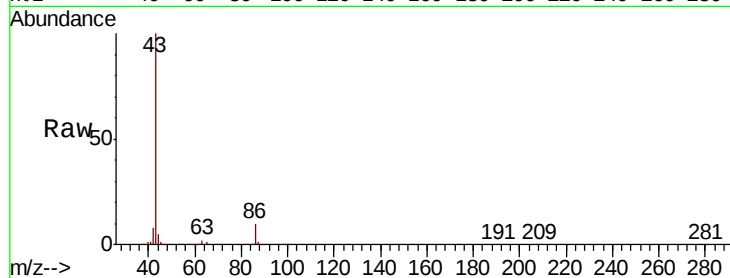
ClientSampleId :

Tot Ion: 43 Resp: 2138815

Ion Ratio Lower Upper

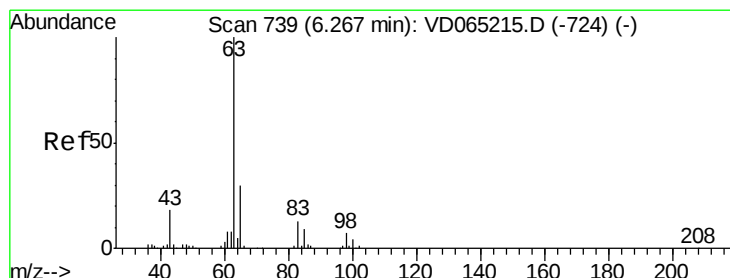
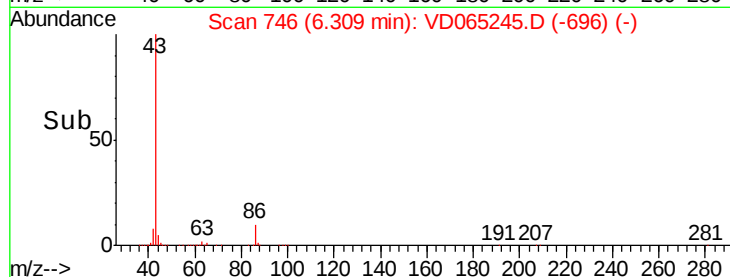
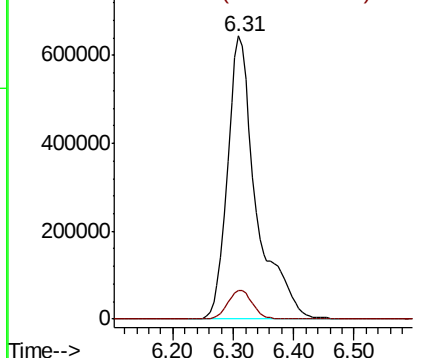
43 100

86 10.2 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.206 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

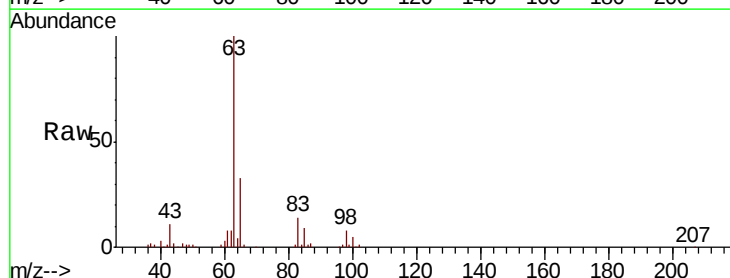
Tgt Ion: 63 Resp: 445783

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

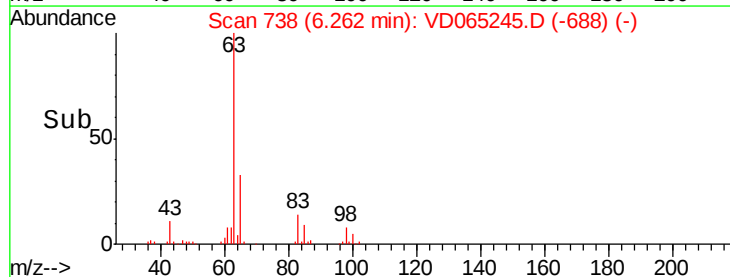
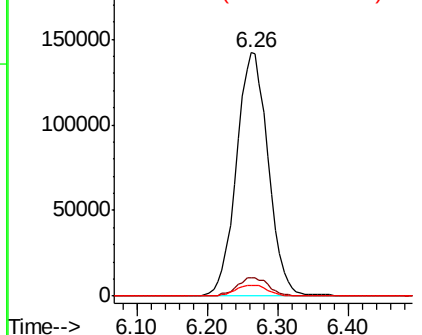
100 4.6 2.3 6.8

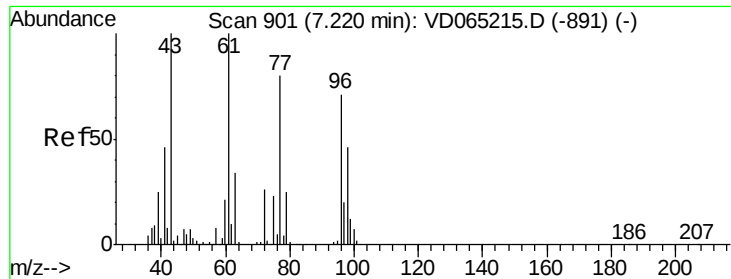


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 230.785 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

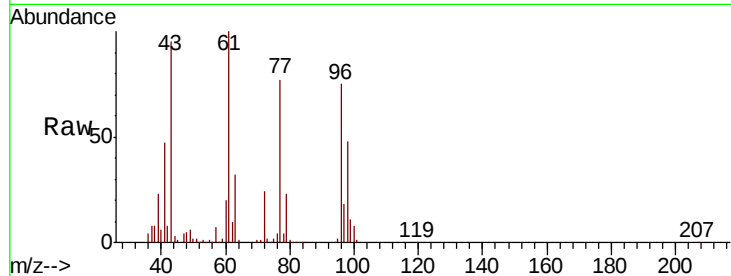
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 336819

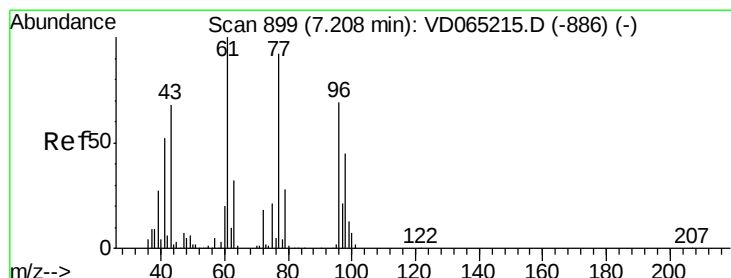
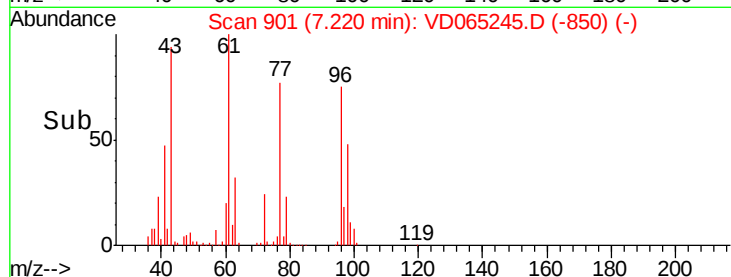
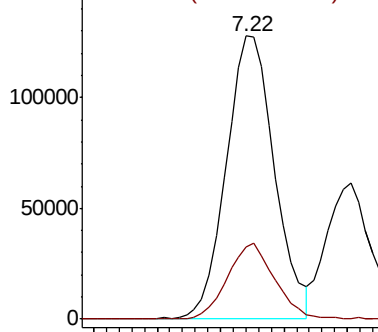
Ion Ratio Lower Upper

43 100

72 25.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.363 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065245.D

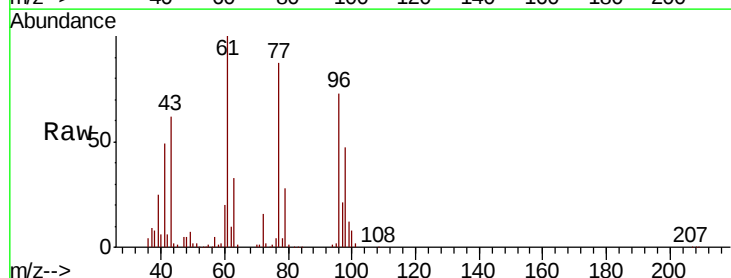
Acq: 19 Feb 2020 18:16

Tgt Ion: 77 Resp: 363483

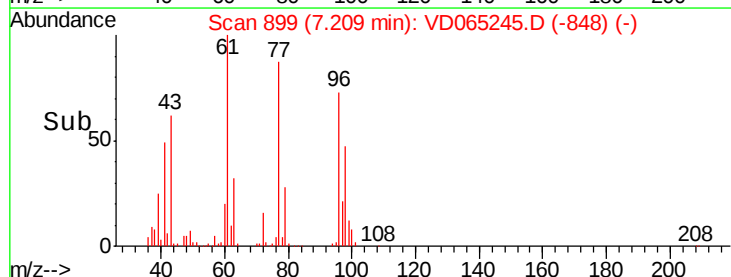
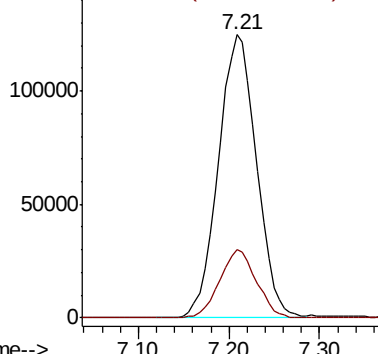
Ion Ratio Lower Upper

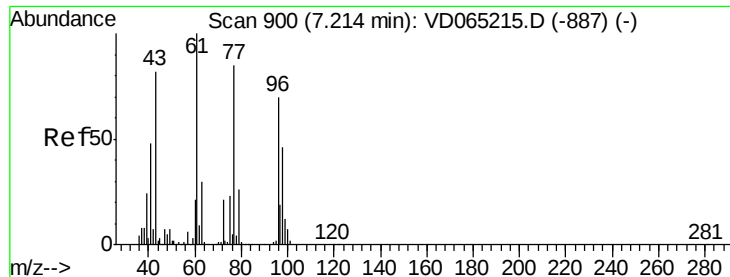
77 100

97 23.2 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



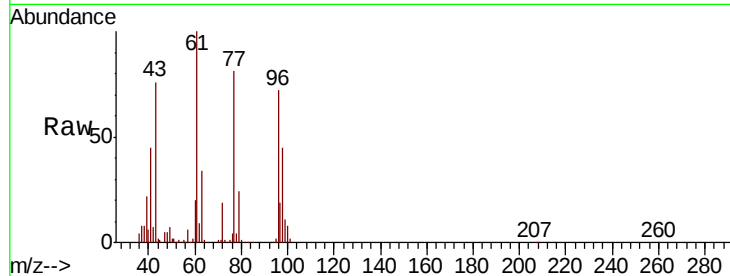


#27

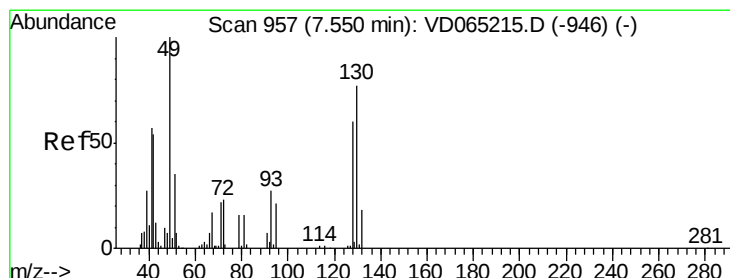
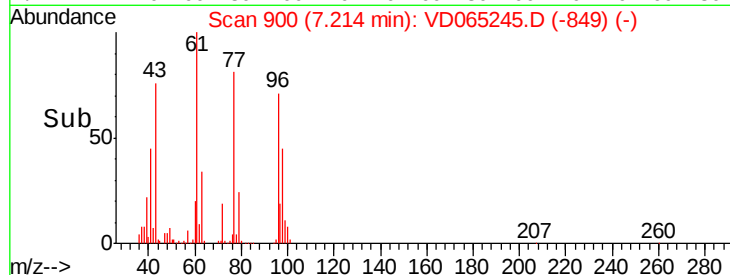
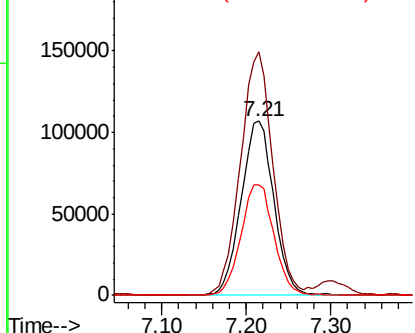
cis-1,2-Dichloroethene
 Concen: 49.164 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	287917
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	286.0
98	64.3	0.0	127.8



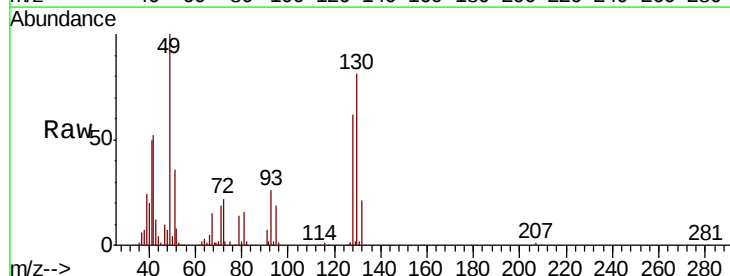
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



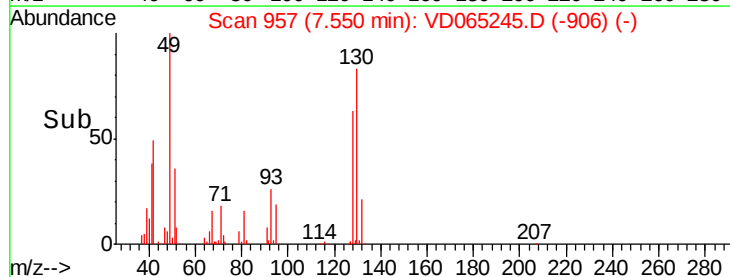
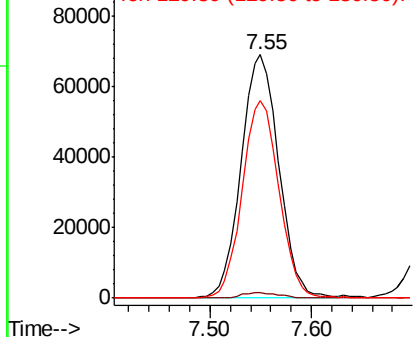
#28

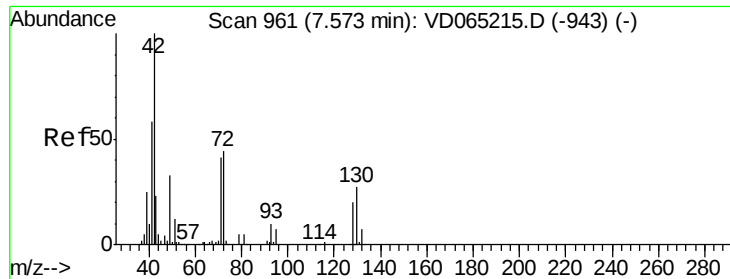
Bromochloromethane
 Concen: 50.925 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	49	Resp	178414
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	79.4	64.7	97.1



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

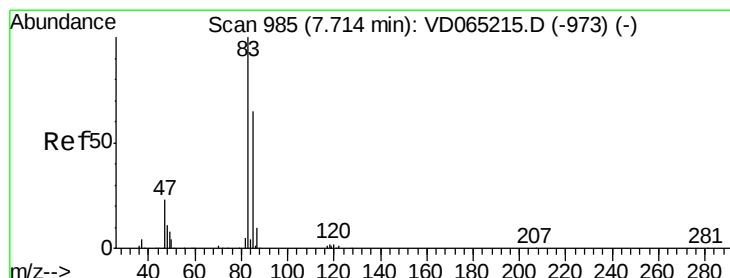
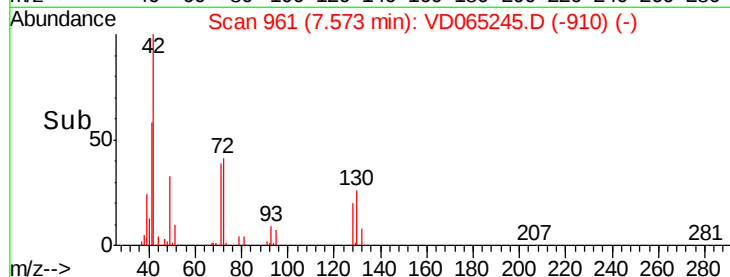
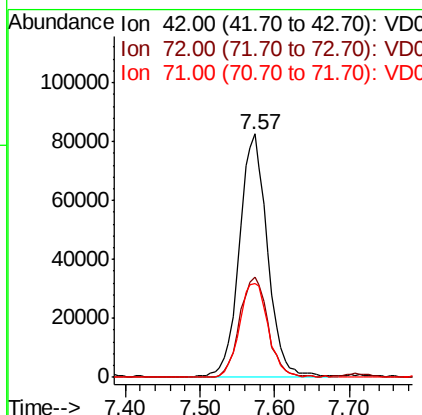
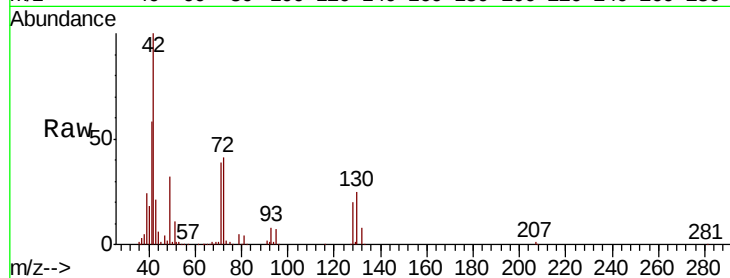




#29
Tetrahydrofuran
Concen: 250.926 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

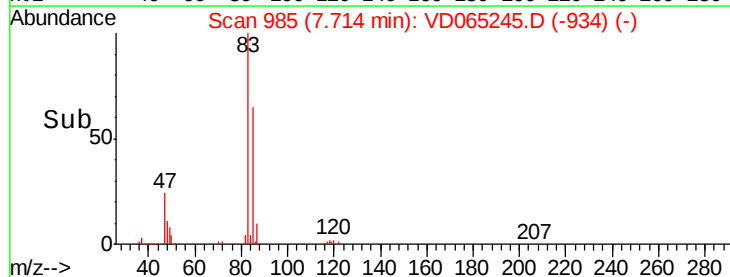
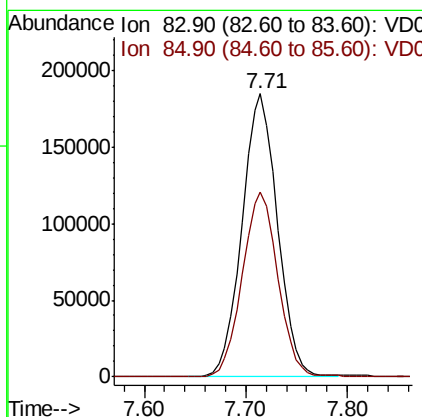
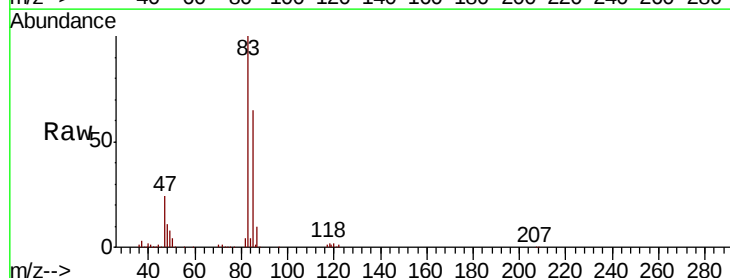
Instrument :
MSVOA_D
ClientSampled :

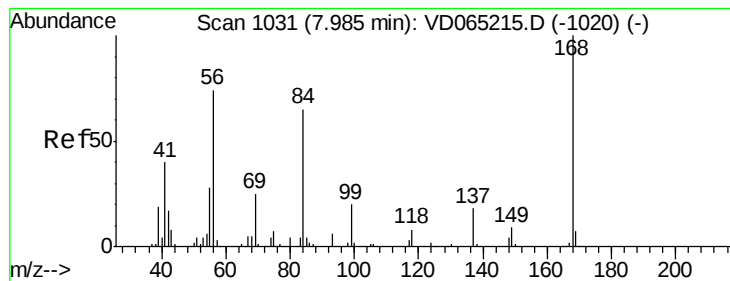
Tot Ion: 42 Resp: 214573
Ion Ratio Lower Upper
42 100
72 42.0 33.7 50.5
71 40.2 31.4 47.2



#30
Chloroform
Concen: 46.986 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 83 Resp: 447016
Ion Ratio Lower Upper
83 100
85 65.1 52.3 78.5





#31

Cyclohexane

Concen: 45.022 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampled :

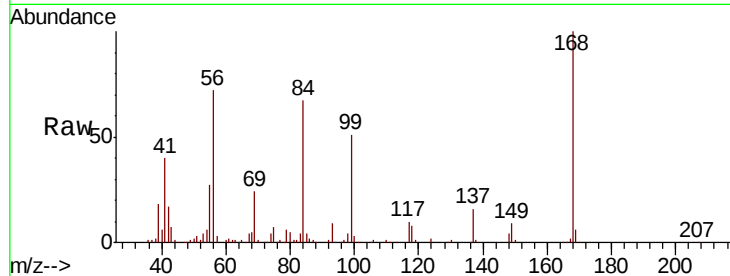
Tot Ion: 56 Resp: 417728

Ion Ratio Lower Upper

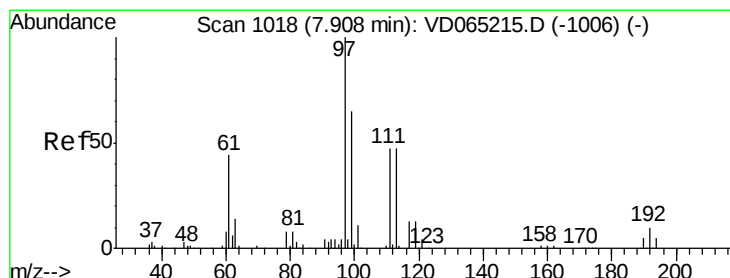
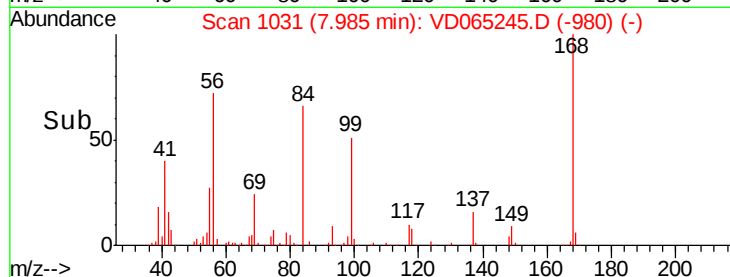
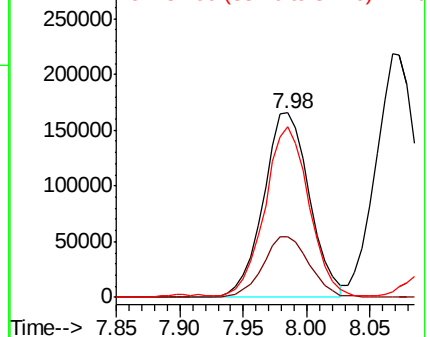
56 100

69 33.1 27.4 41.0

84 91.3 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: 46.415 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

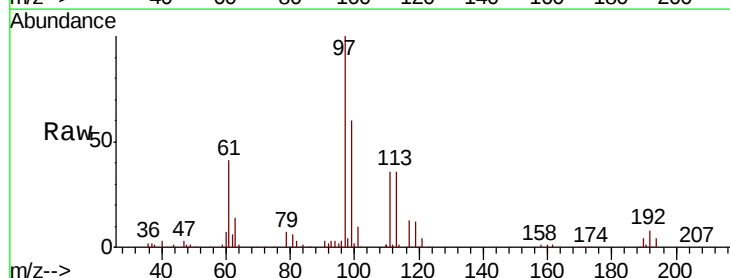
Tgt Ion: 97 Resp: 395092

Ion Ratio Lower Upper

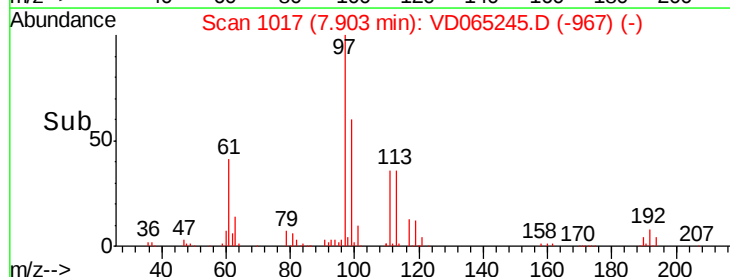
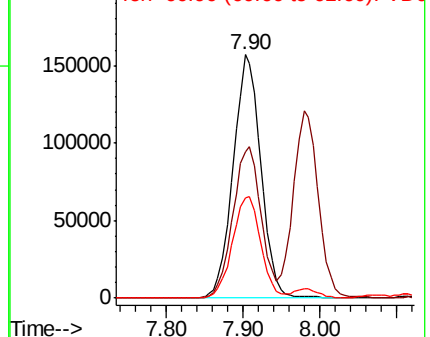
97 100

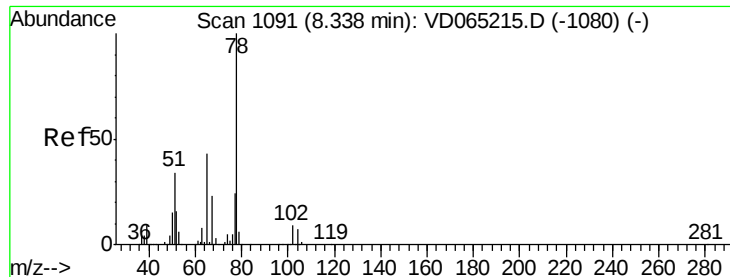
99 63.2 51.4 77.2

61 42.8 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

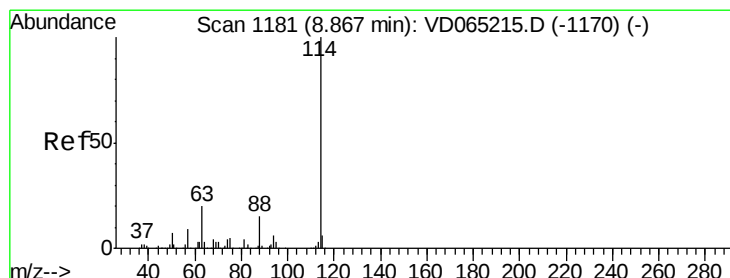
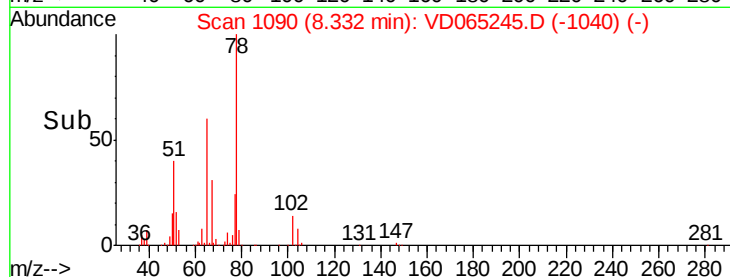
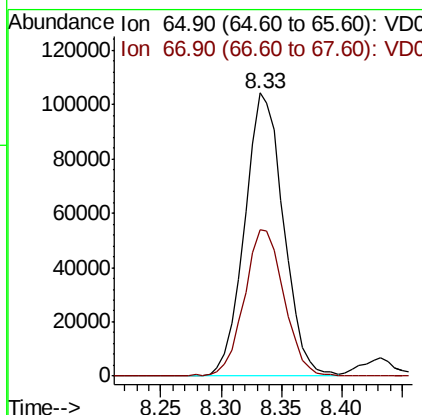
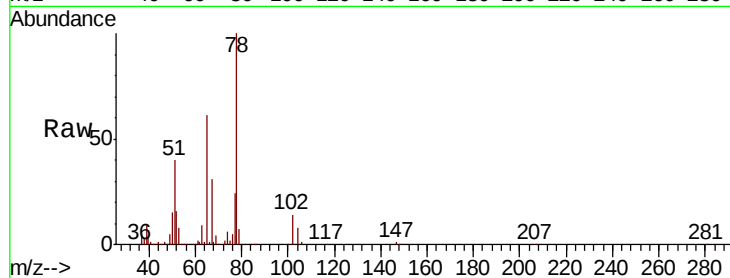




#33
 1,2-Dichloroethane-d4
 Concen: 49.480 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

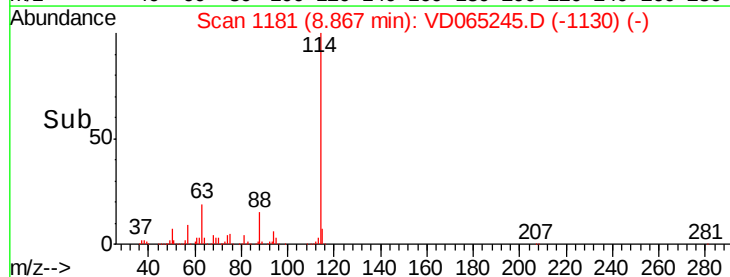
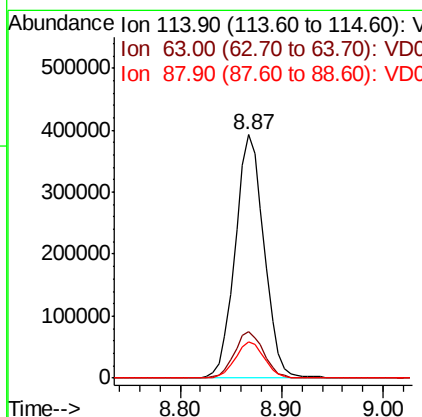
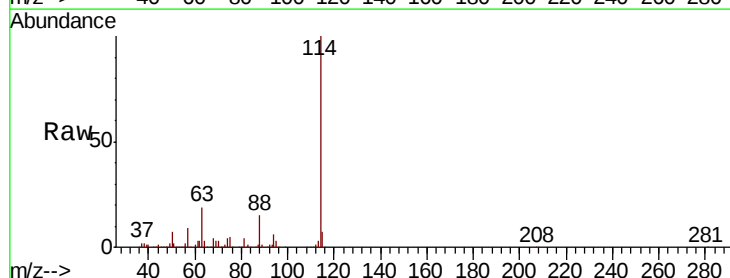
Instrument :
 MSVOA_D
 ClientSampled :

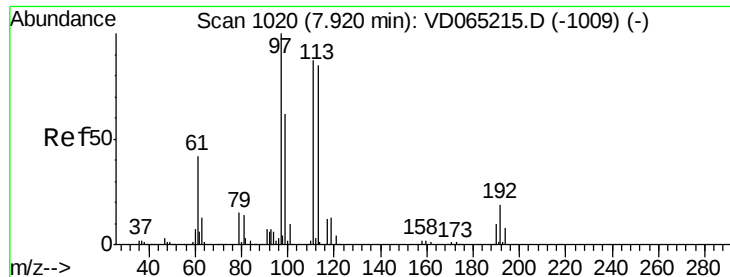
Tot Ion: 65 Resp: 233487
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 114 Resp: 774060
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.1 0.0 30.4

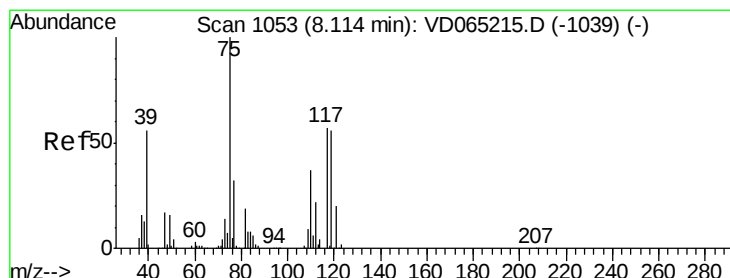
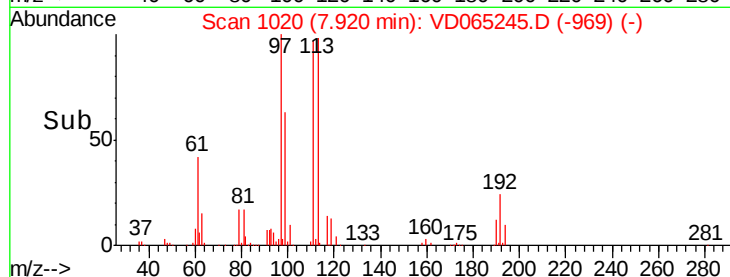
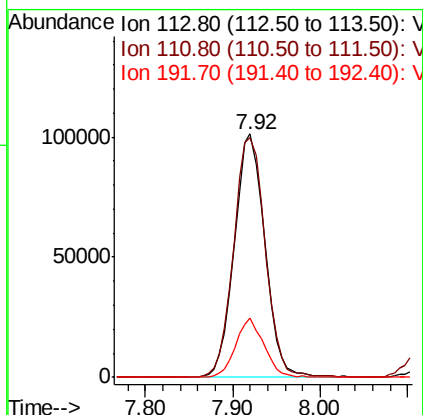
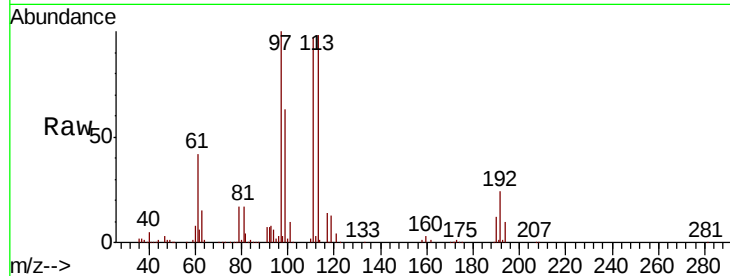




#35
 Dibromofluoromethane
 Concen: 50.686 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

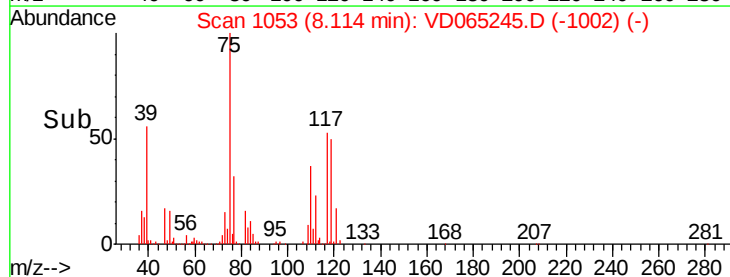
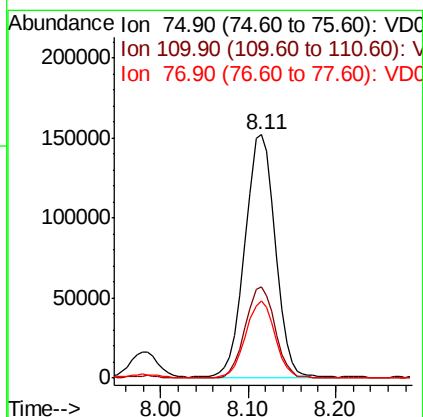
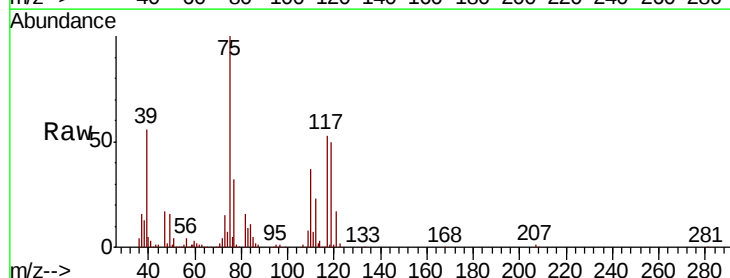
Instrument :
 MSVOA_D
 ClientSampleID :

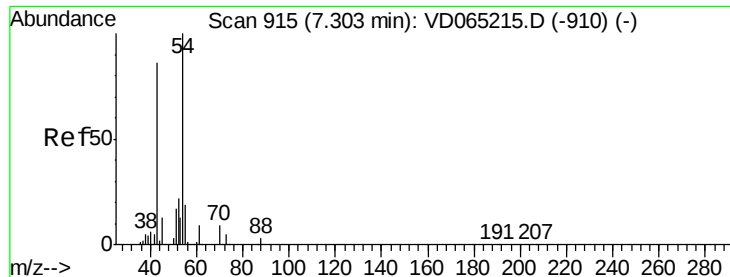
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	22.4	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 47.663 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.7
77	31.1	25.1	37.7

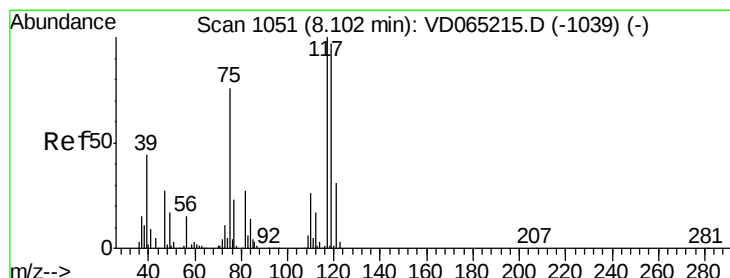
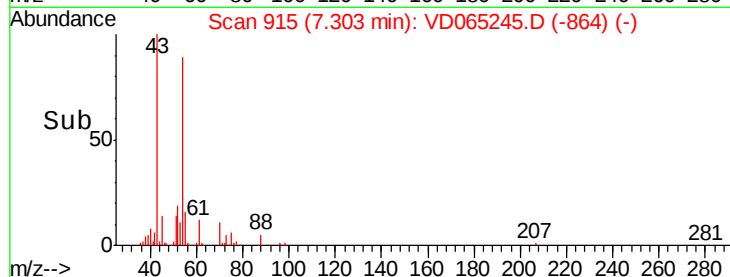
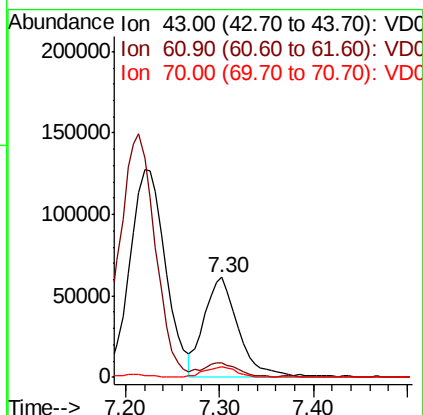
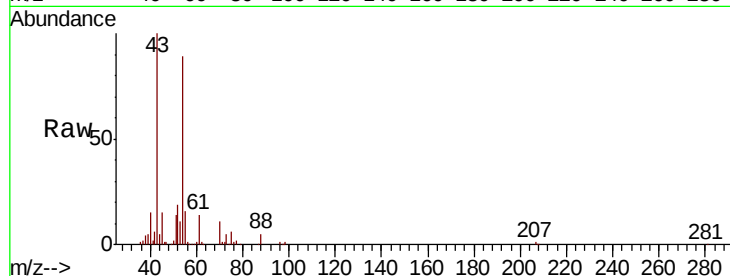




#37
Ethyl Acetate
Concen: 48.869 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

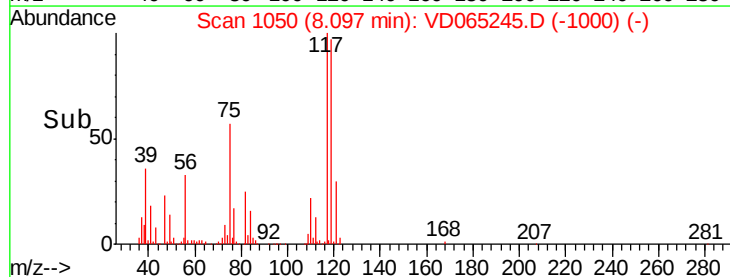
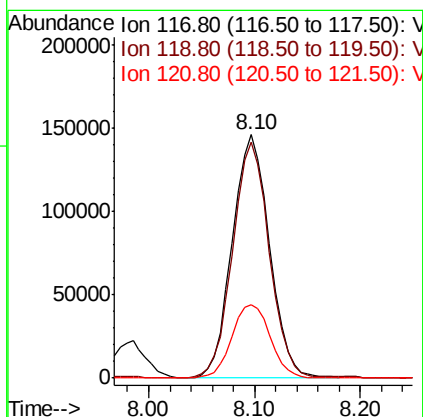
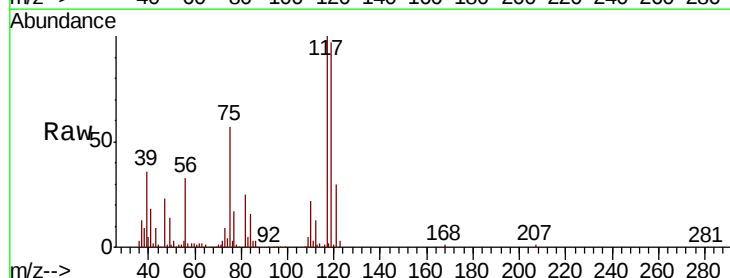
Instrument :
MSVOA_D
ClientSampleID :

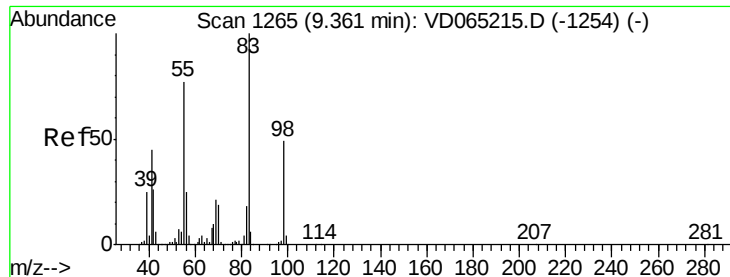
Tot Ion: 43 Resp: 153868
Ion Ratio Lower Upper
43 100
61 12.1 11.2 16.8
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 46.295 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 117 Resp: 354946
Ion Ratio Lower Upper
117 100
119 97.1 77.6 116.4
121 30.4 24.8 37.2

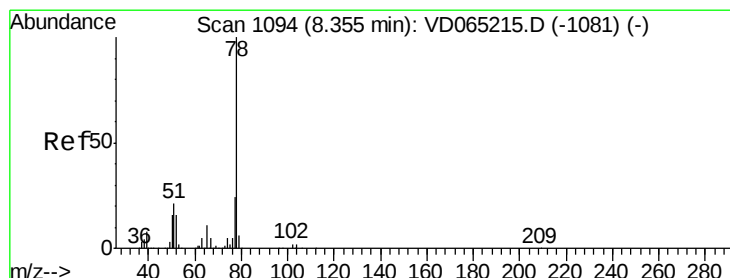
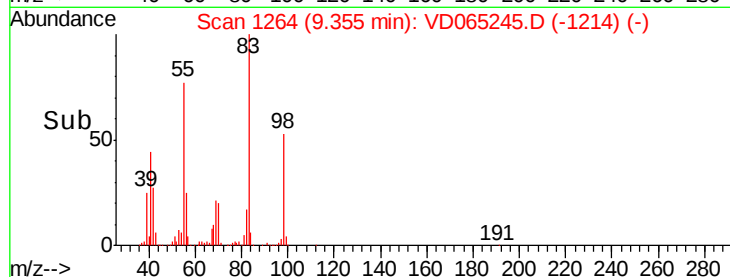
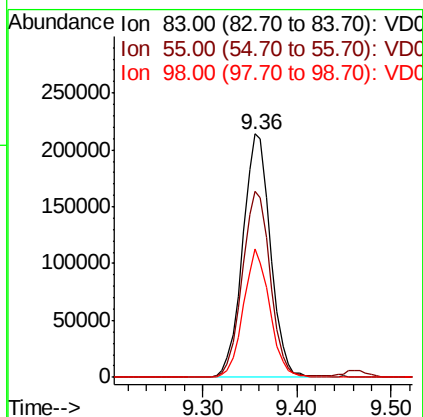
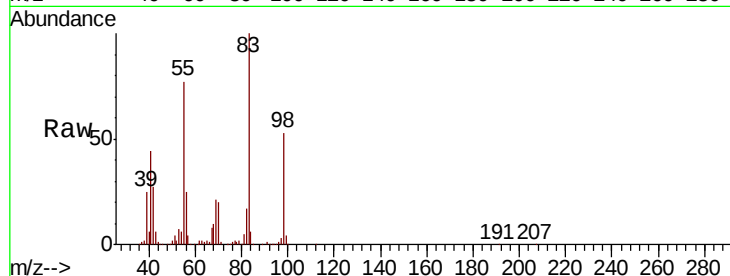




#39
Methvlcvclohexane
Concen: 49.496 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

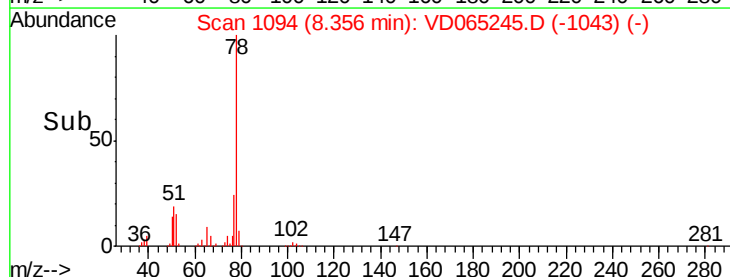
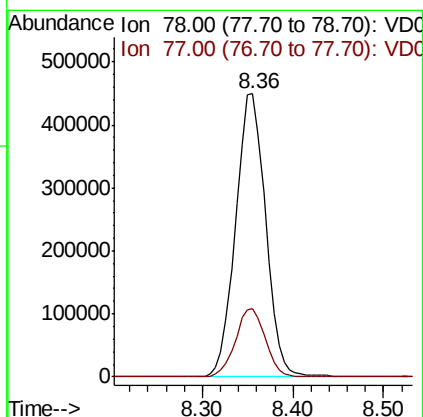
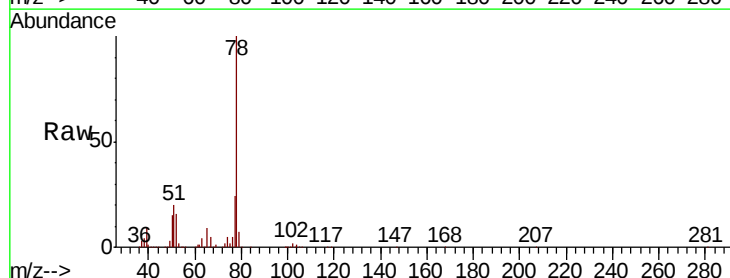
Instrument :
MSVOA_D
ClientSampleId :

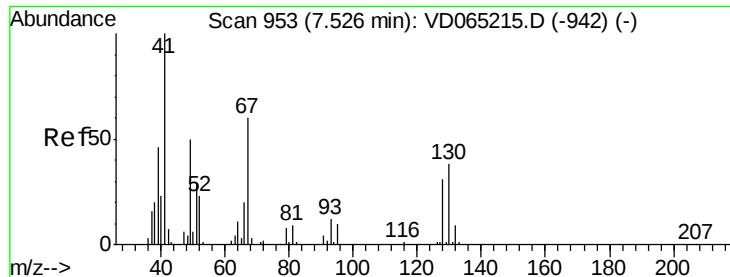
Tot Ion: 83 Resp: 438264
Ion Ratio Lower Upper
83 100
55 76.6 61.8 92.6
98 52.5 39.4 59.0



#40
Benzene
Concen: 48.822 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 78 Resp: 1037908
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

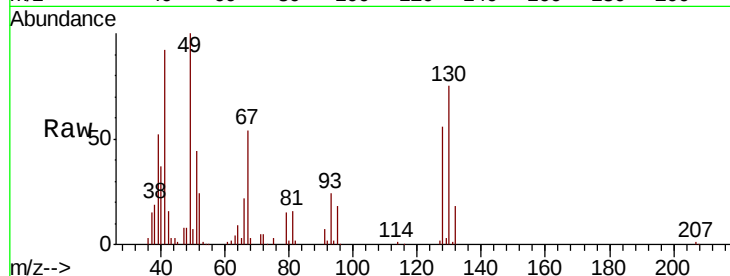




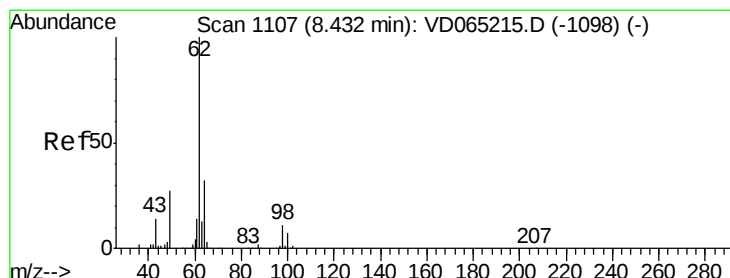
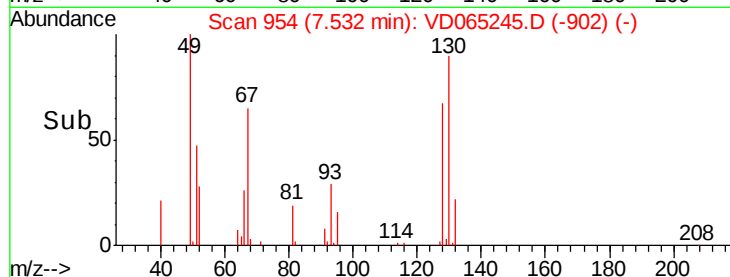
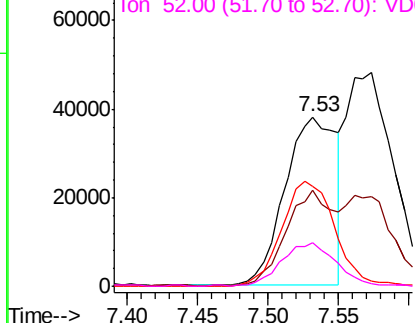
#41
Methacrylonitrile
Concen: 52.983 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	96322
Ion	Ratio	Lower	Upper
41	100		
39	53.5	48.1	72.1
67	64.8	58.9	88.3
52	27.9	24.2	36.2

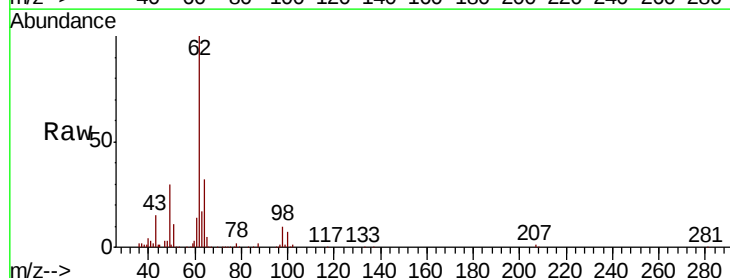


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

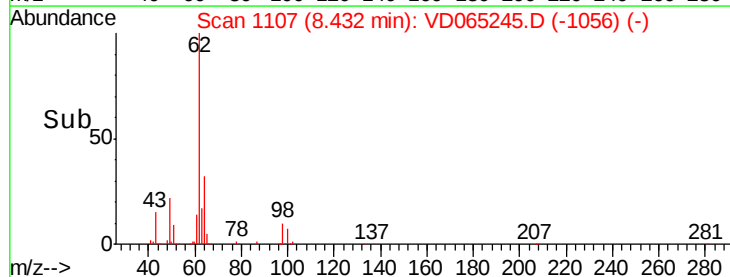
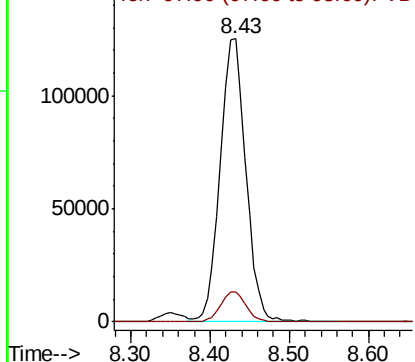


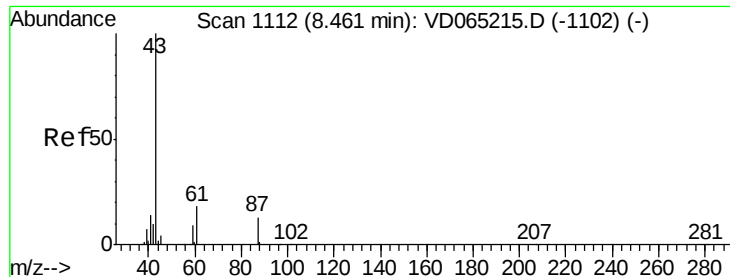
#42
1,2-Dichloroethane
Concen: 48.041 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:	62	Resp:	280767
Ion	Ratio	Lower	Upper
62	100		
98	10.5	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: 48.037 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

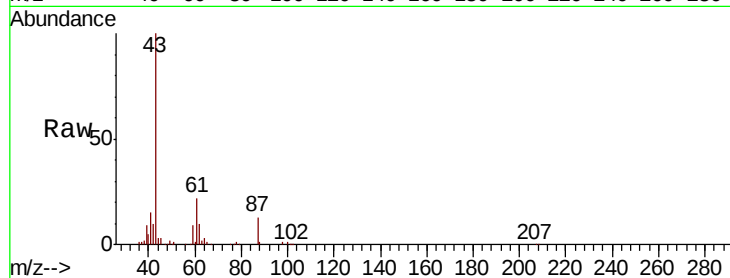
Tot Ion: 43 Resp: 275040

Ion Ratio Lower Upper

43 100

61 31.1 24.6 36.8

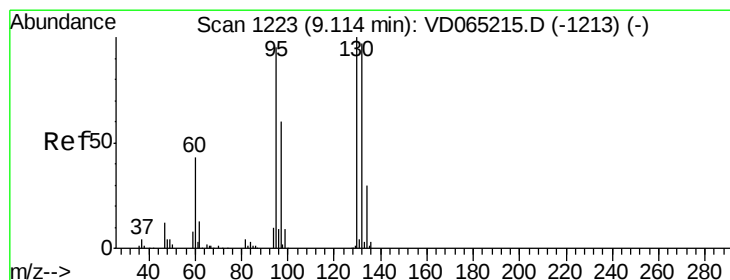
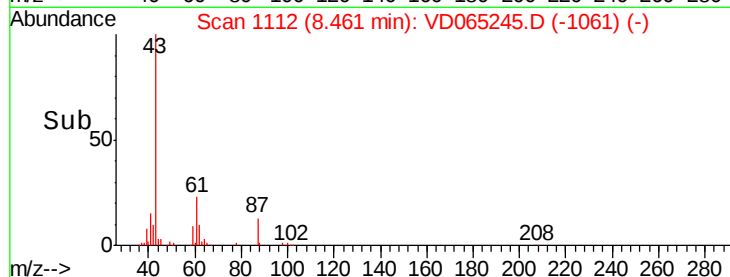
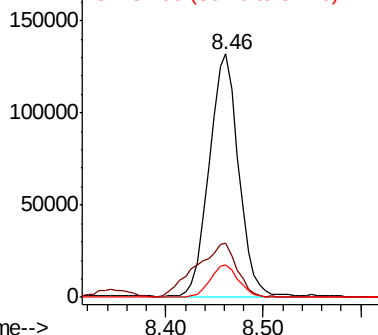
87 13.1 10.6 16.0



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: 48.578 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065245.D

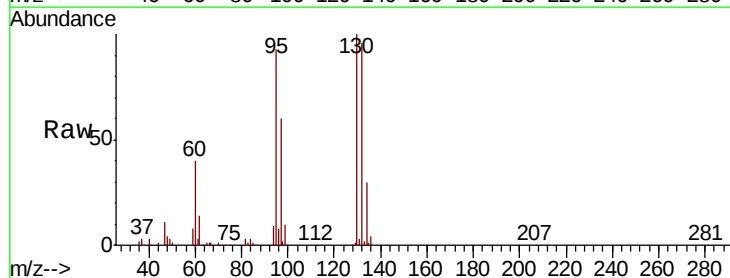
Acq: 19 Feb 2020 18:16

Tgt Ion:130 Resp: 286265

Ion Ratio Lower Upper

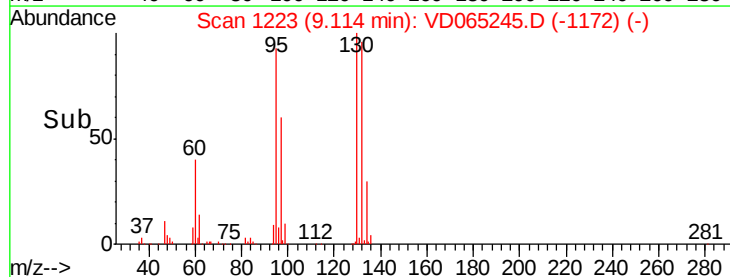
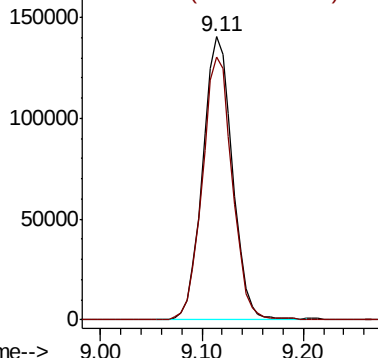
130 100

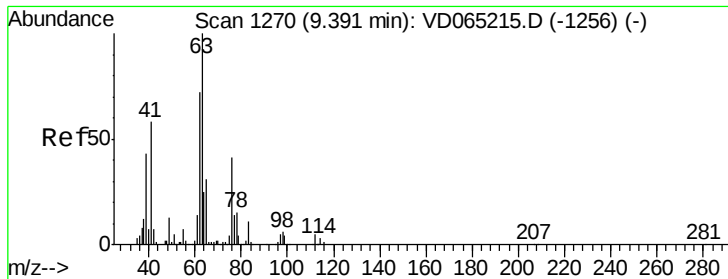
95 93.0 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

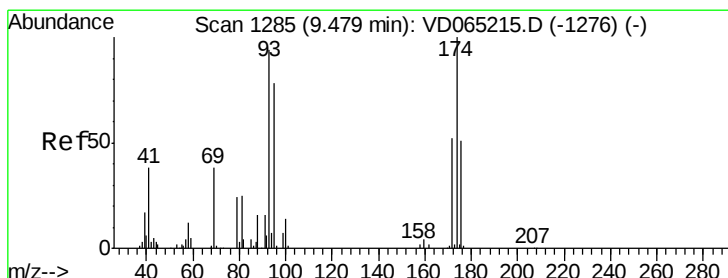
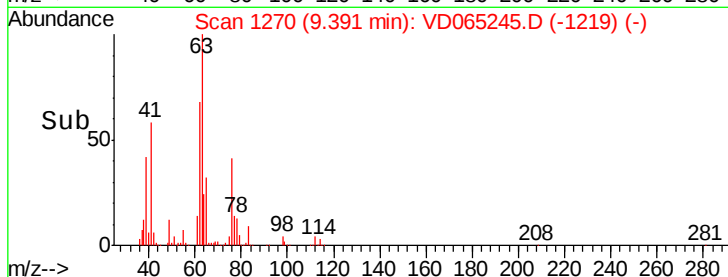
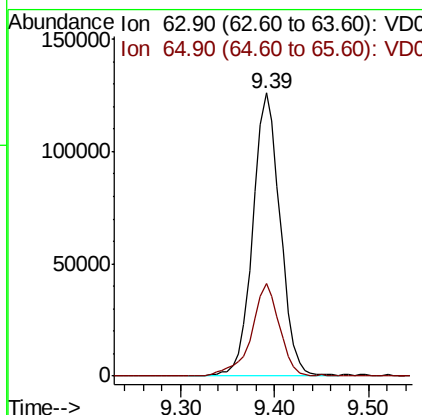
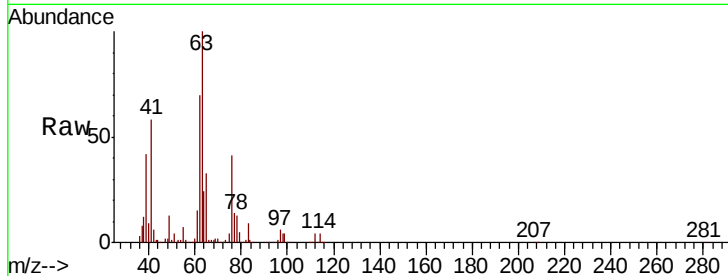




#45
 1,2-Dichloropropane
 Concen: 48.130 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

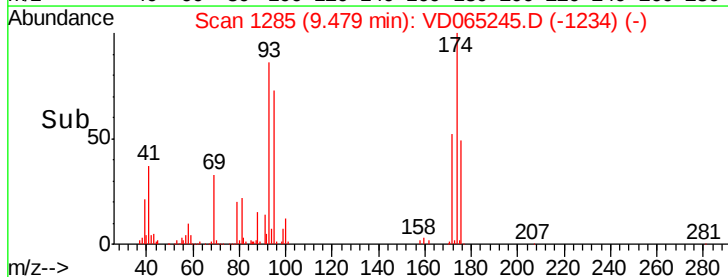
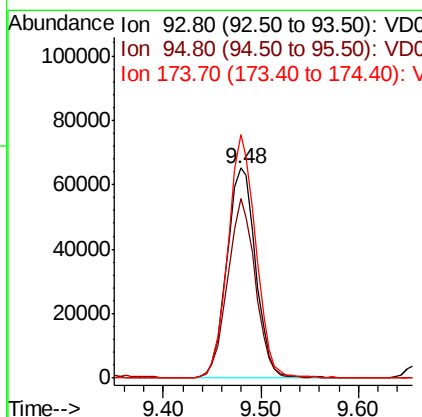
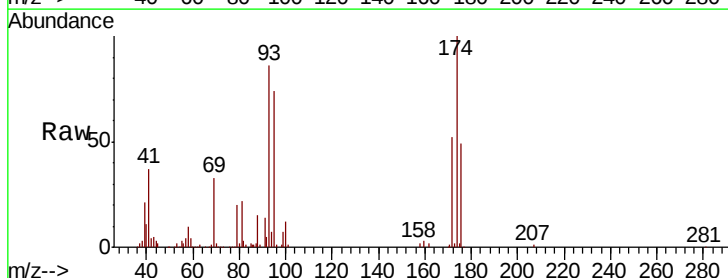
Instrument :
 MSVOA_D
 ClientSampleID :

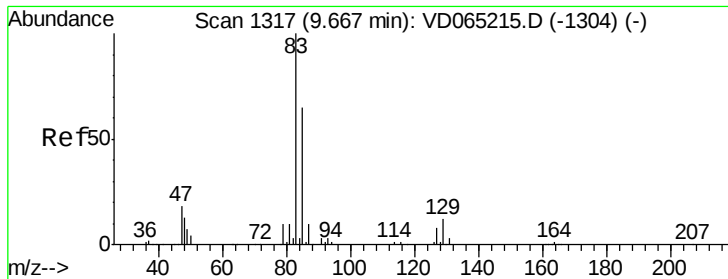
Tot Ion: 63 Resp: 254425
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.9 37.3



#46
 Dibromomethane
 Concen: 49.283 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 93 Resp: 134043
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.8 98.6
 174 111.8 86.8 130.2





#47

Bromodichloromethane

Concen: 47.962 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

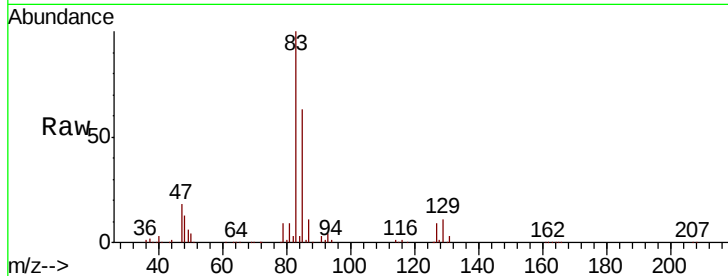
Tot Ion: 83 Resp: 343778

Ion Ratio Lower Upper

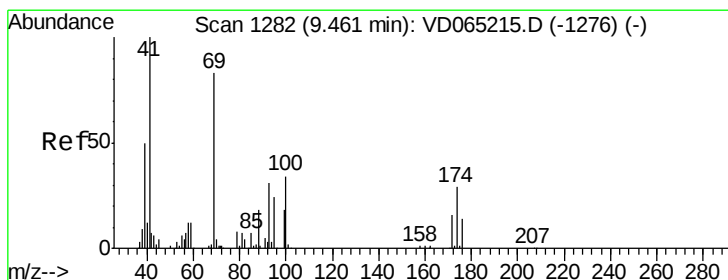
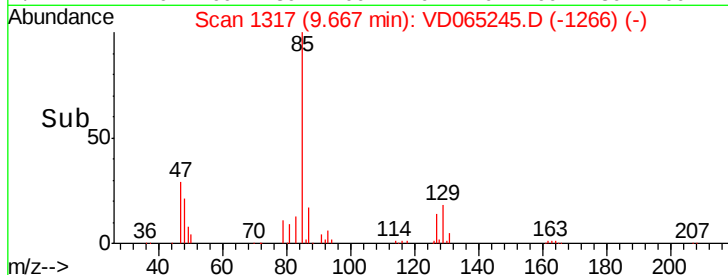
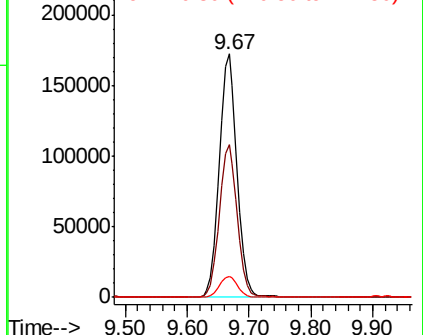
83 100

85 62.8 52.0 78.0

127 8.6 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: 50.880 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

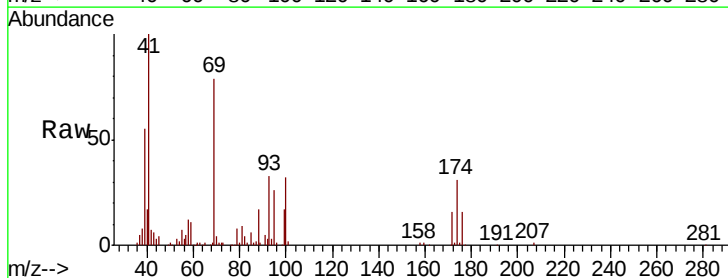
Tgt Ion: 41 Resp: 134655

Ion Ratio Lower Upper

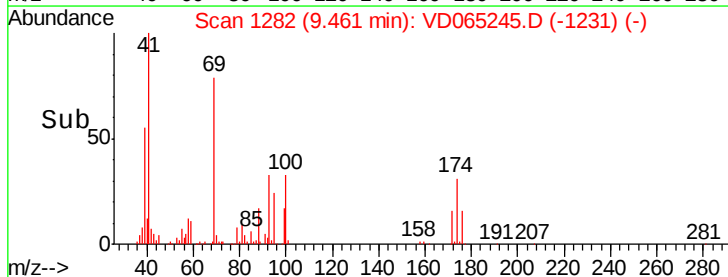
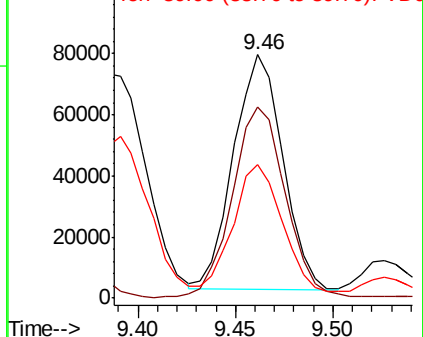
41 100

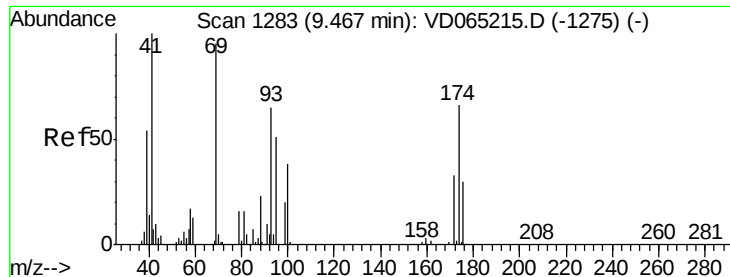
69 87.9 68.2 102.2

39 52.8 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

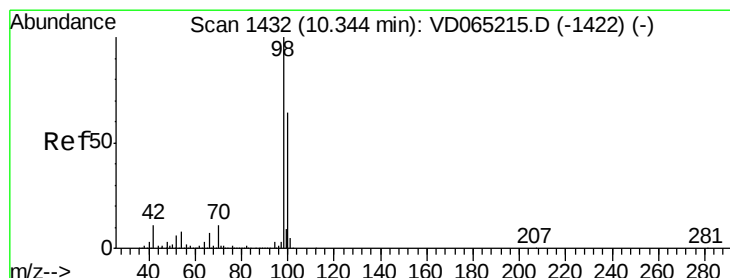
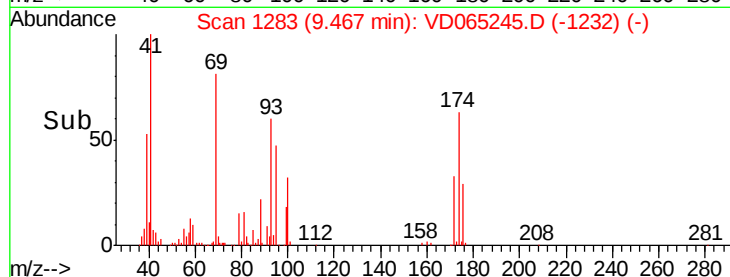
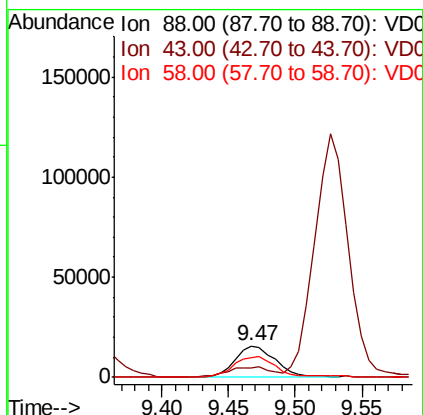
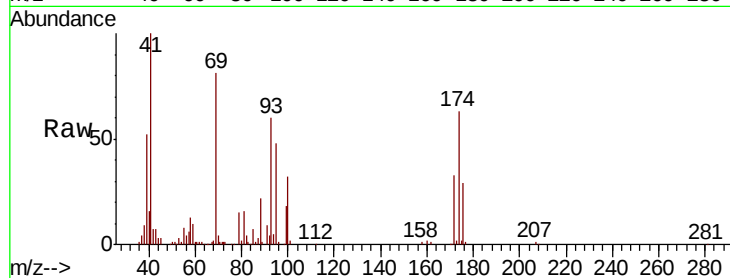




#49
1,4-Dioxane
Concen: 1033.648 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

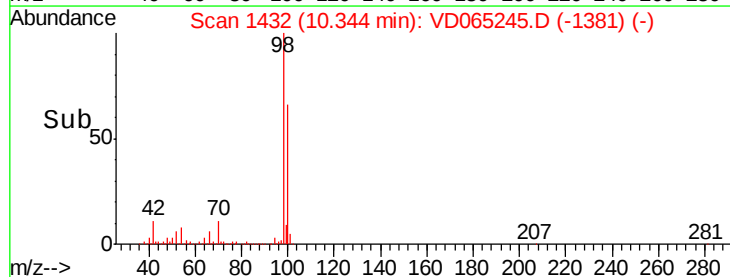
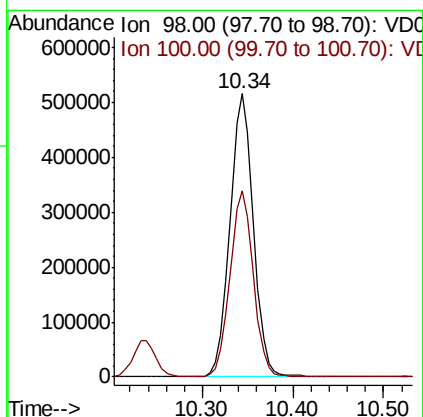
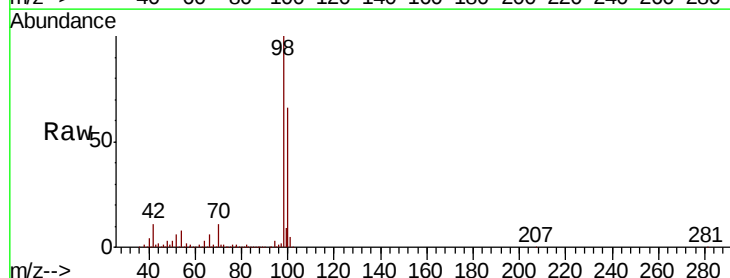
Instrument :
MSVOA_D
ClientSampleId :

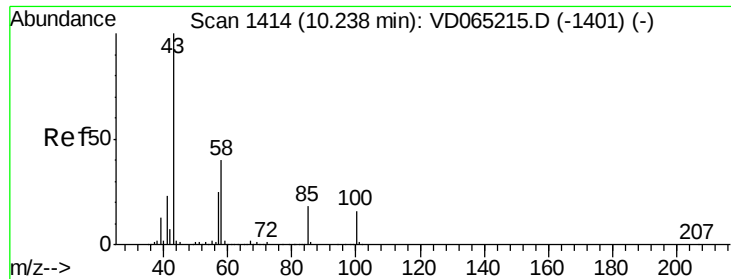
Tot Ion: 88 Resp: 32973
Ion Ratio Lower Upper
88 100
43 37.1 28.5 42.7
58 68.3 58.6 87.8



#50
Toluene-d8
Concen: 51.447 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 98 Resp: 928266
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 250.961 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

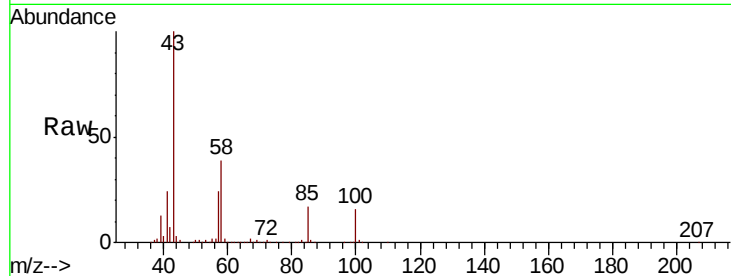
ClientSampled :

Tot Ion: 43 Resp: 729818

Ion Ratio Lower Upper

43 100

58 39.0 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

400000

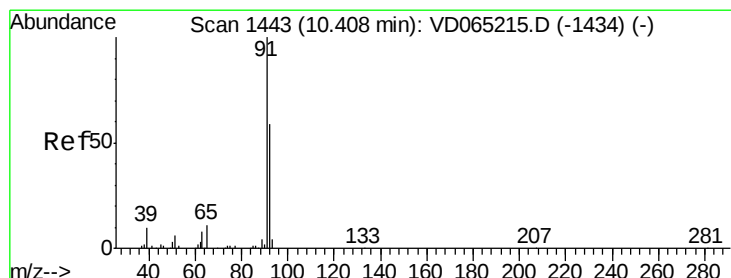
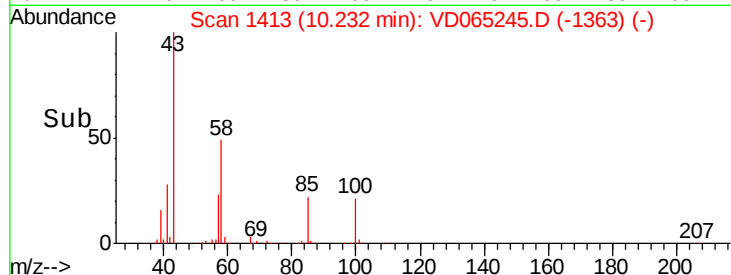
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.375 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065245.D

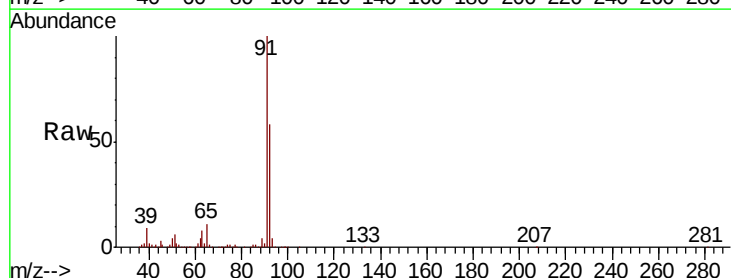
Acq: 19 Feb 2020 18:16

Tgt Ion: 92 Resp: 662877

Ion Ratio Lower Upper

92 100

91 171.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

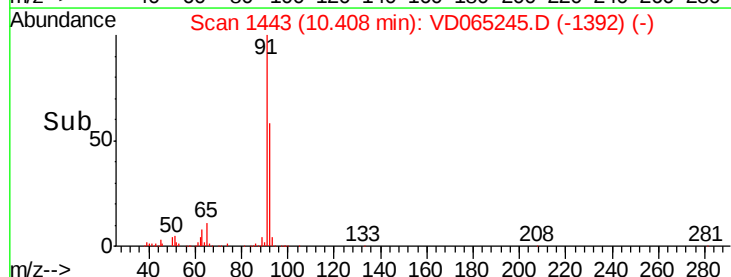
600000

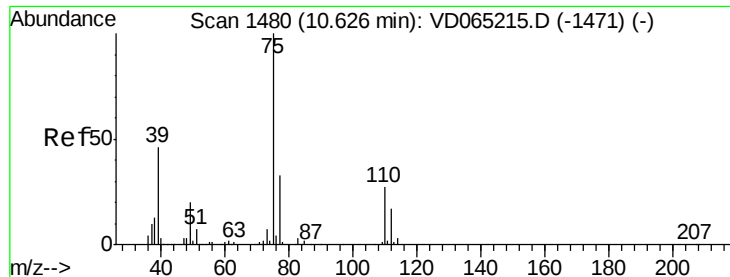
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.026 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

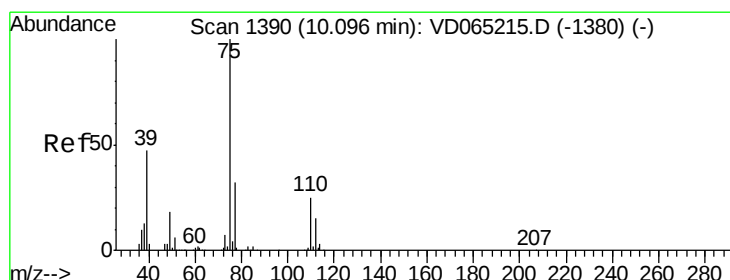
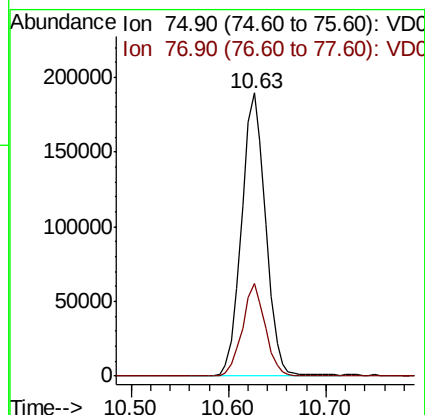
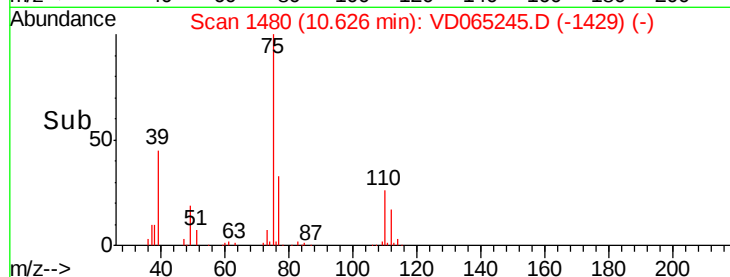
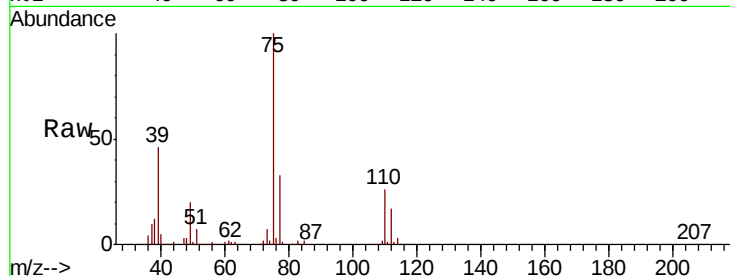
ClientSampleId :

Tot Ion: 75 Resp: 325724

Ion Ratio Lower Upper

75 100

77 32.8 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 49.253 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

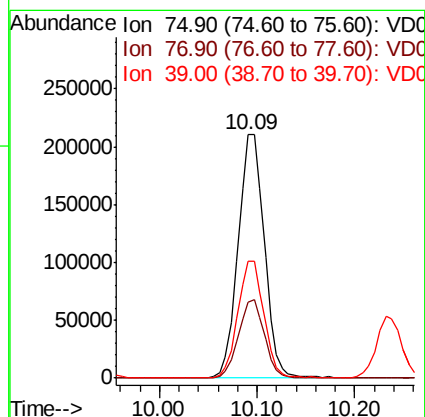
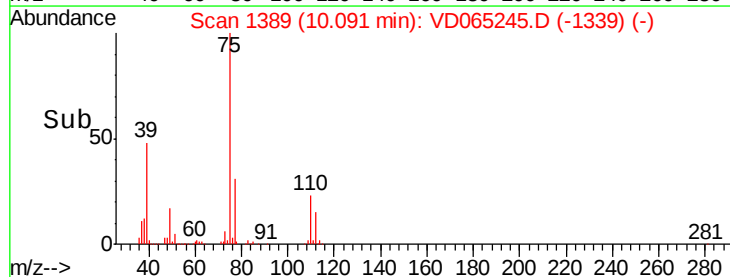
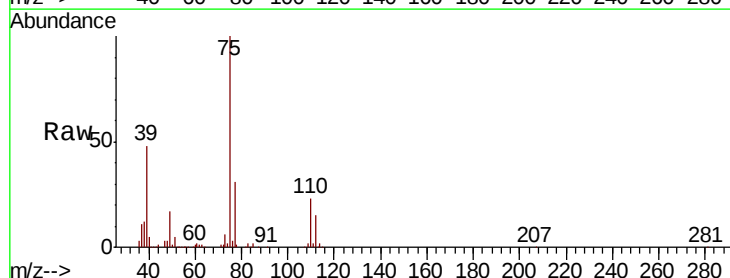
Tgt Ion: 75 Resp: 395140

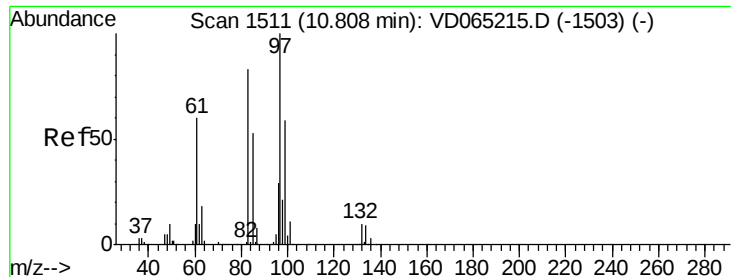
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 48.0 37.3 55.9

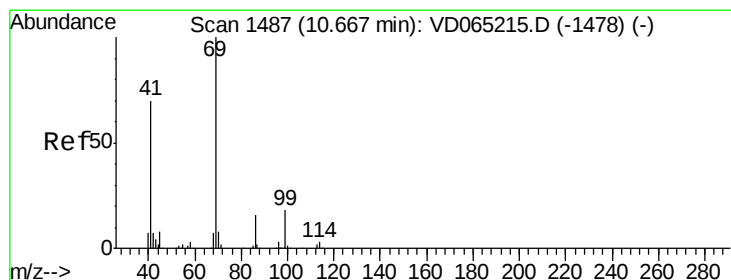
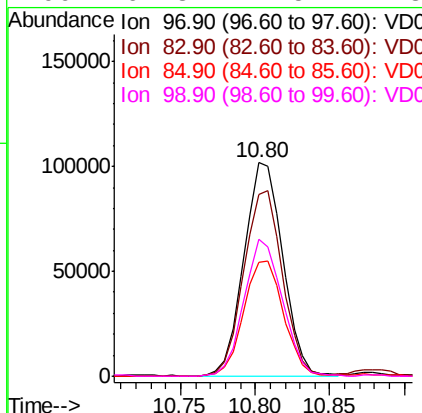
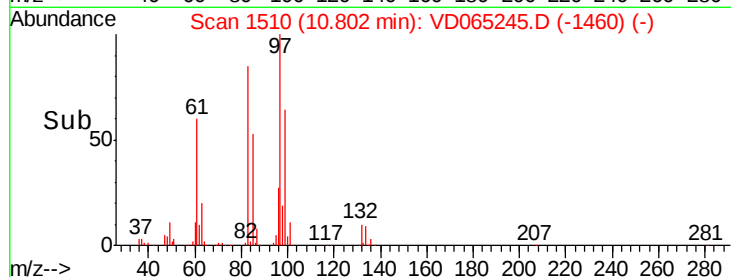
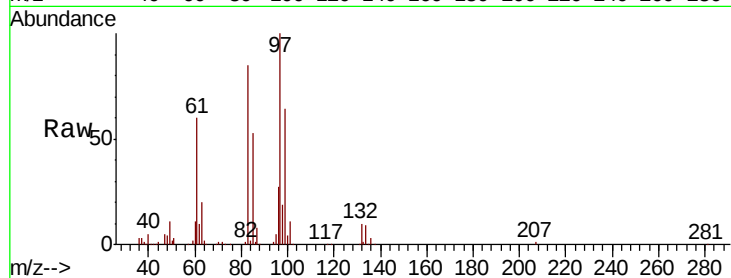




#55
 1,1,2-Trichloroethane
 Concen: 48.191 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

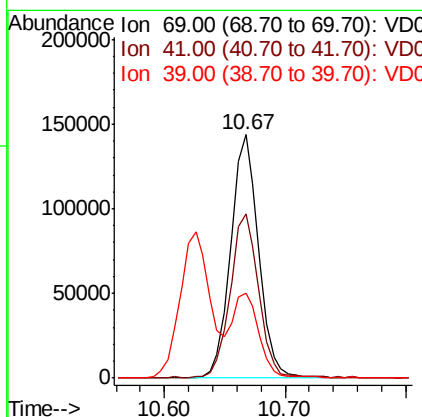
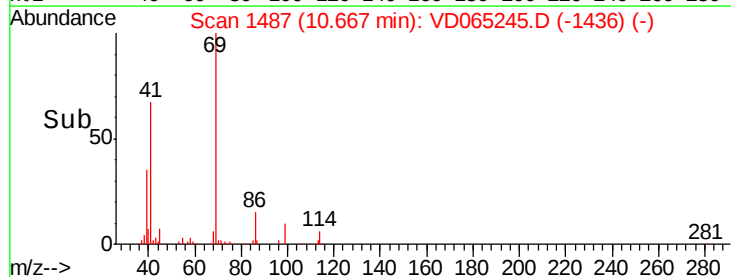
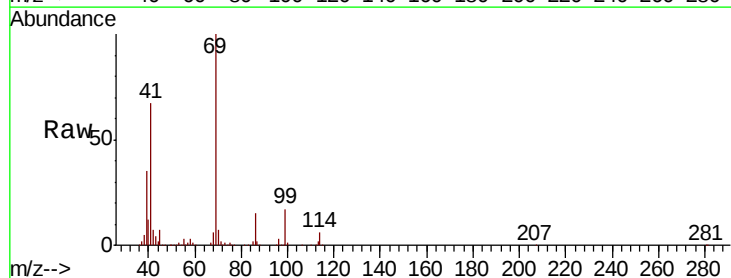
Instrument :
 MSVOA_D
 ClientSampleId :

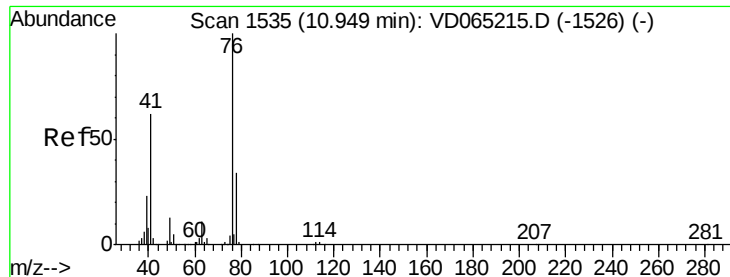
Tot Ion:	97	Resp:	184485
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.7	100.1
85	53.2	42.4	63.6
99	64.3	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 52.271 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion:	69	Resp:	230964
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.6	81.8
39	32.9	26.5	39.7





#57

1,3-Dichloropropane

Concen: 49.591 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

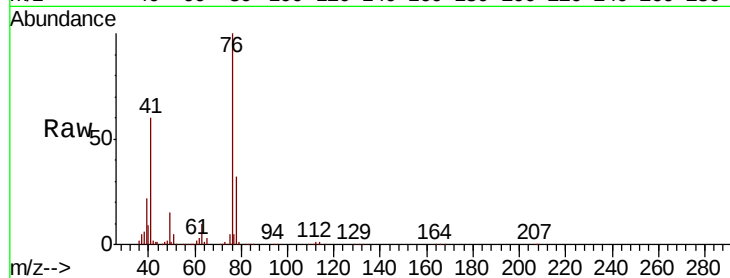
ClientSampleId :

Tot Ion: 76 Resp: 323108

Ion Ratio Lower Upper

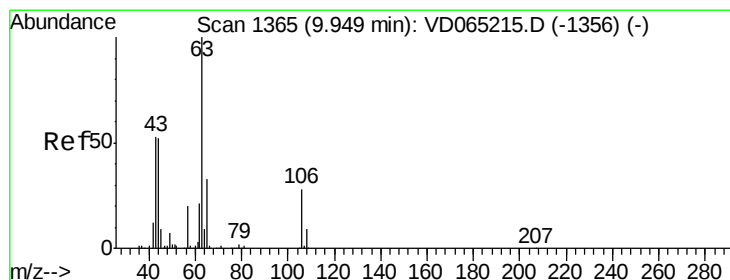
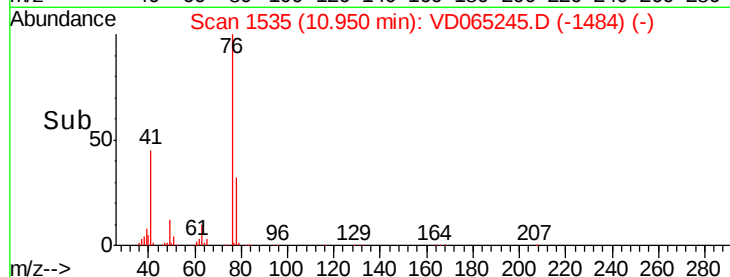
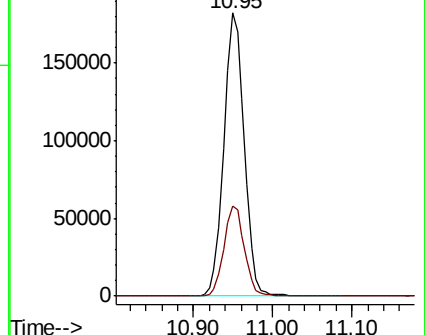
76 100

78 32.0 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 229.977 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065245.D

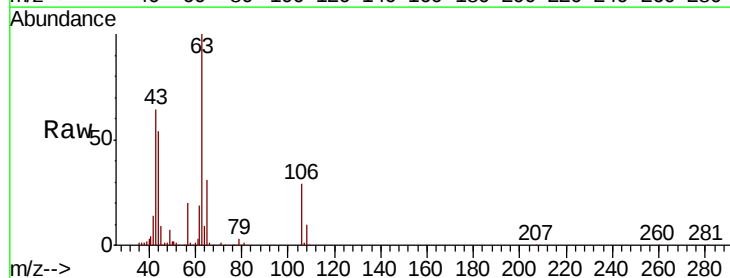
Acq: 19 Feb 2020 18:16

Tgt Ion: 63 Resp: 320370

Ion Ratio Lower Upper

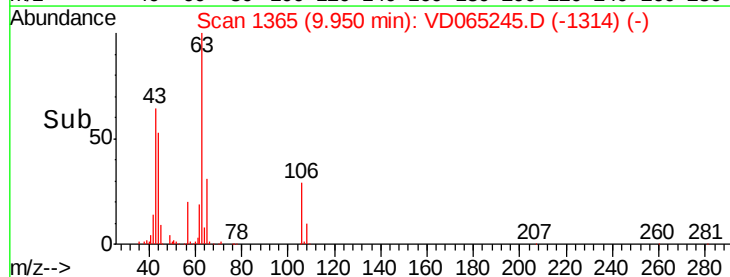
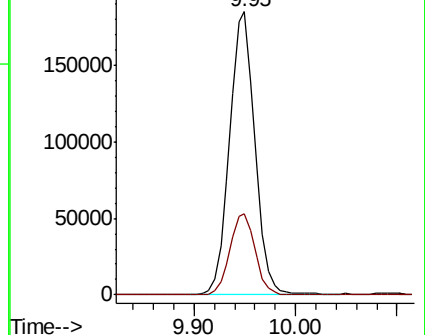
63 100

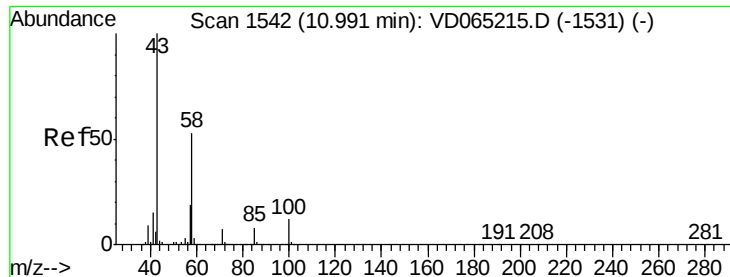
106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

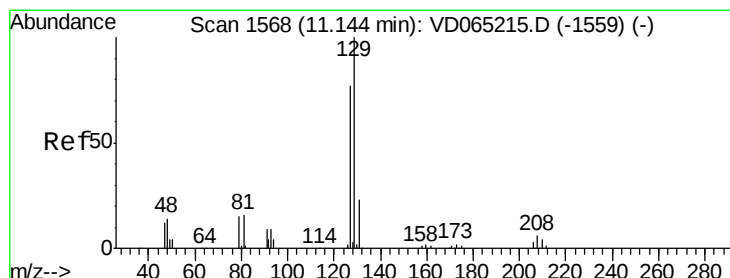
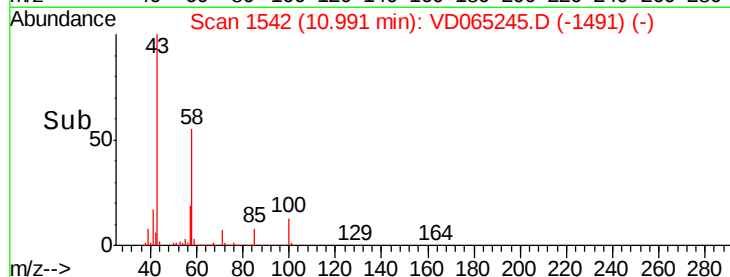
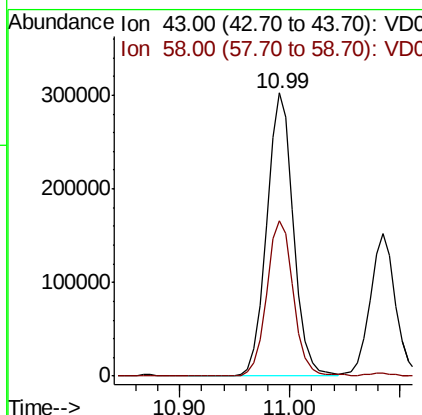
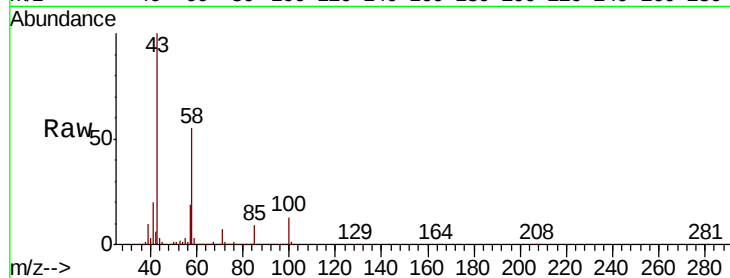




#59
2-Hexanone
Concen: 244.645 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

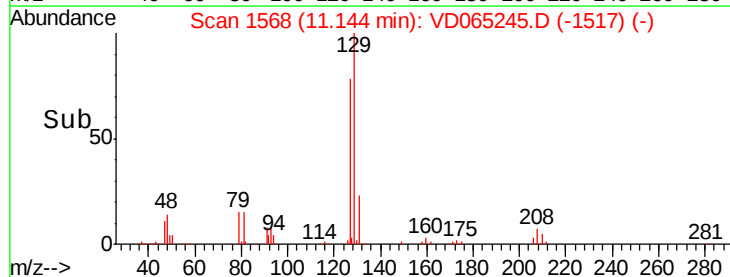
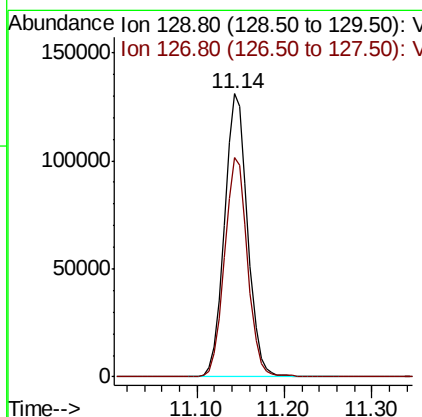
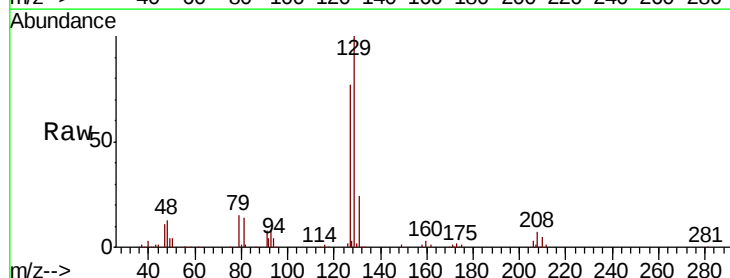
Instrument :
MSVOA_D
ClientSampleId :

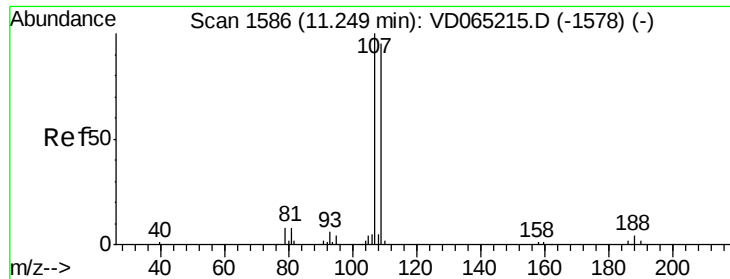
Tot Ion: 43 Resp: 509286
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.8



#60
Dibromochloromethane
Concen: 48.411 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 129 Resp: 237202
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1

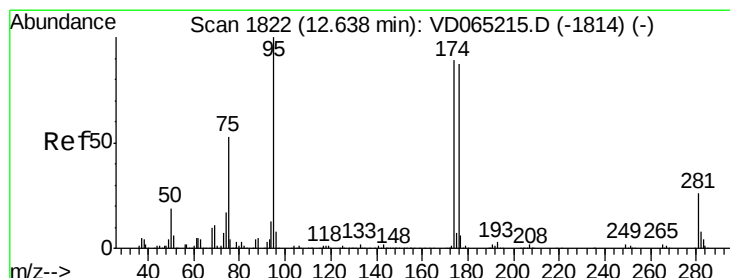
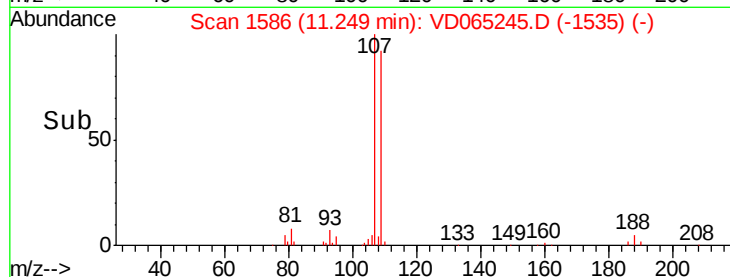
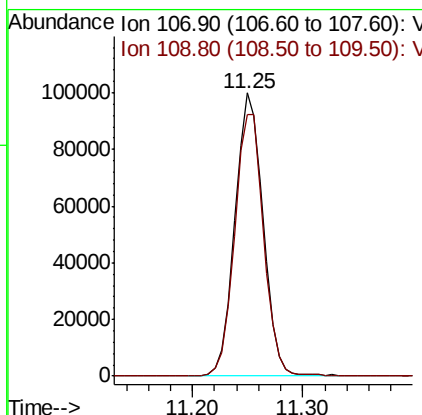
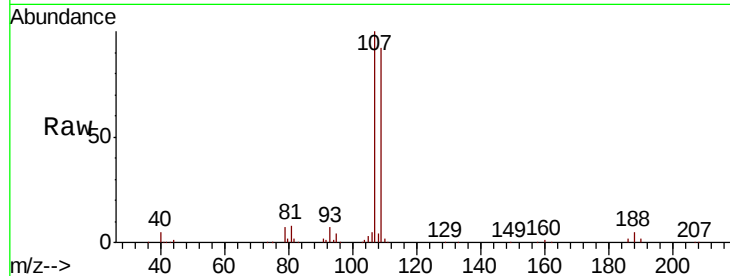




#61
 1,2-Dibromoethane
 Concen: 49.454 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

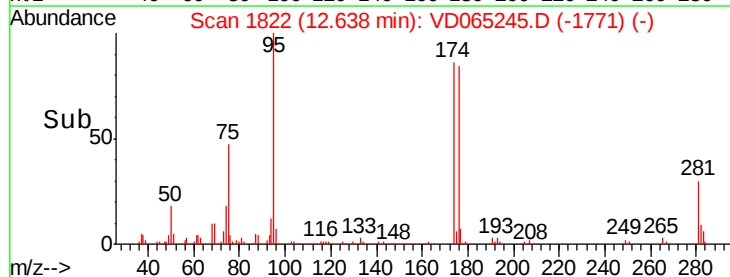
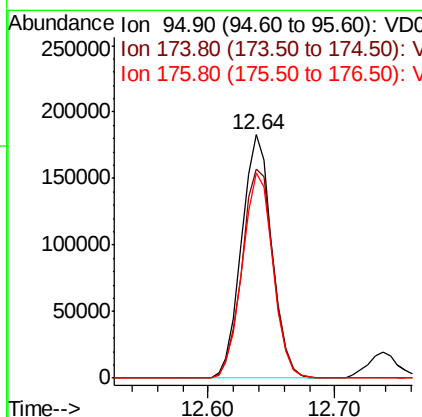
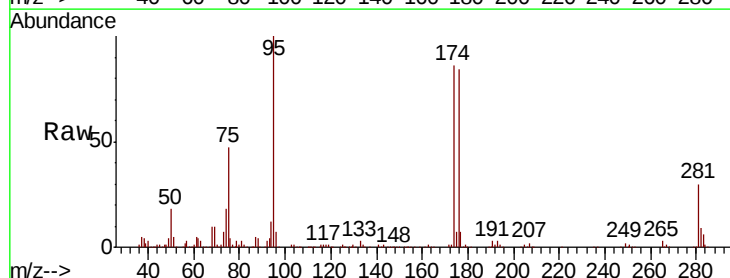
Instrument :
 MSVOA_D
 ClientSampleId :

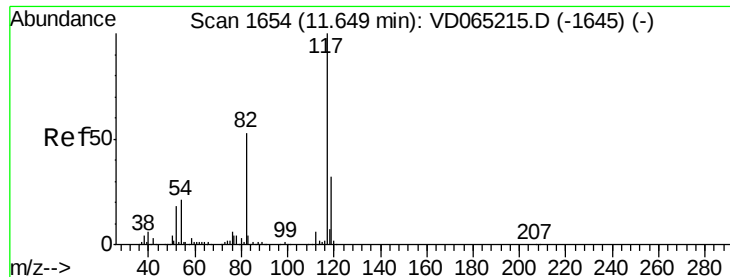
Tot Ion:107 Resp: 179249
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 52.938 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 95 Resp: 302592
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.0
 176 85.6 0.0 174.4

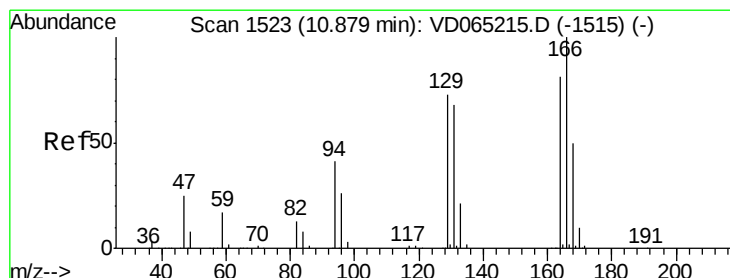
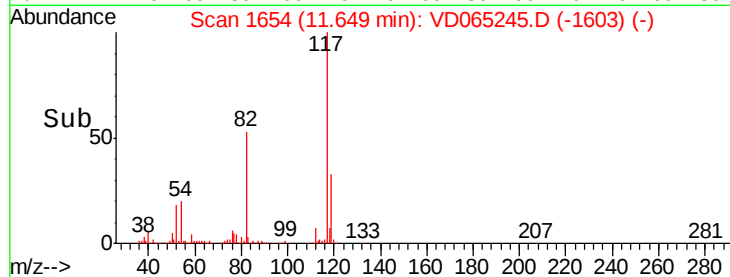
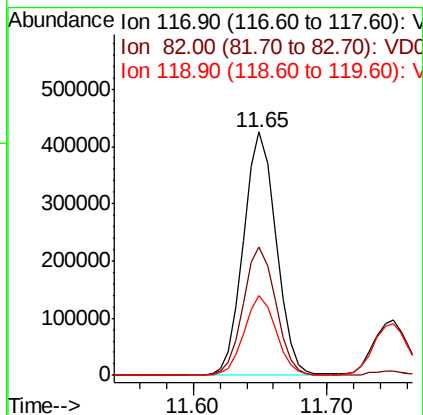
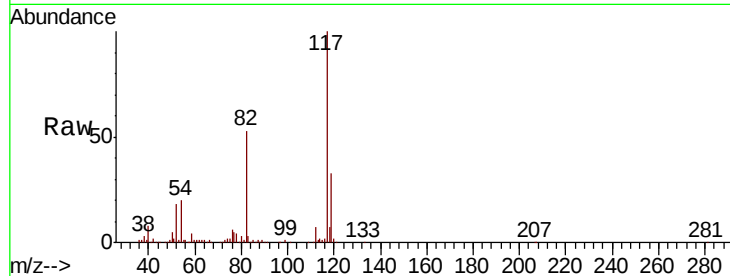




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

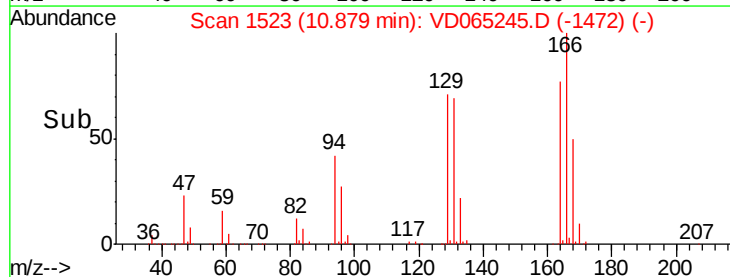
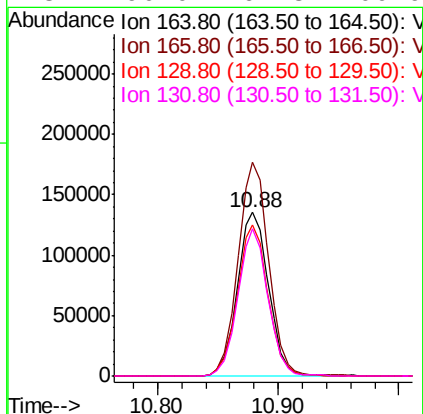
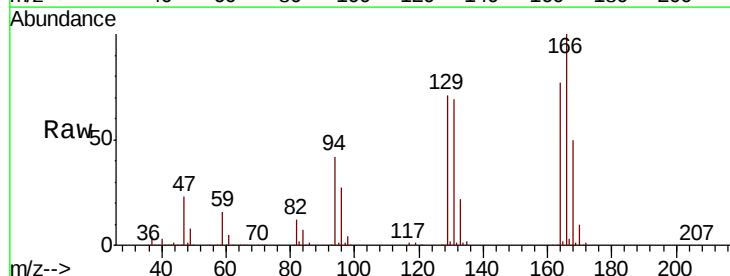
Instrument :
MSVOA_D
ClientSampled :

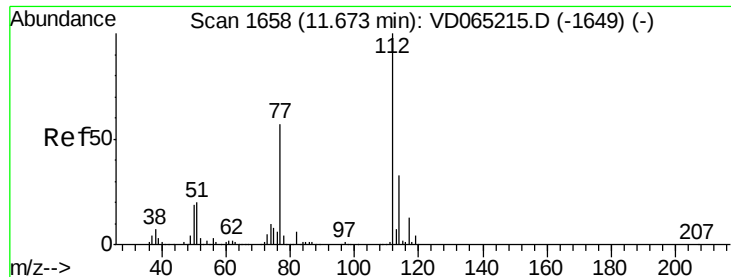
Tot Ion:117 Resp: 721346
Ion Ratio Lower Upper
117 100
82 52.5 42.7 64.1
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 47.623 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:164 Resp: 243643
Ion Ratio Lower Upper
164 100
166 130.5 98.4 147.6
129 92.7 71.6 107.4
131 90.0 67.3 100.9

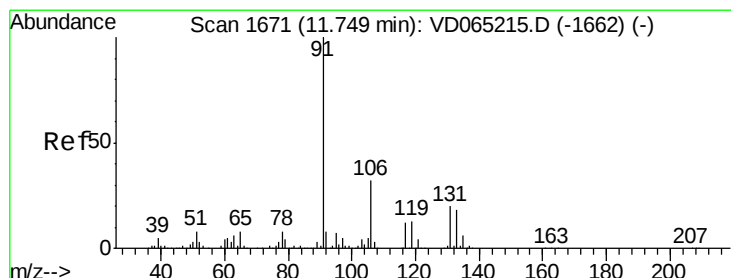
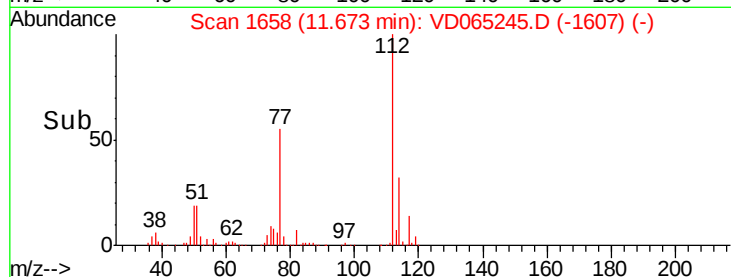
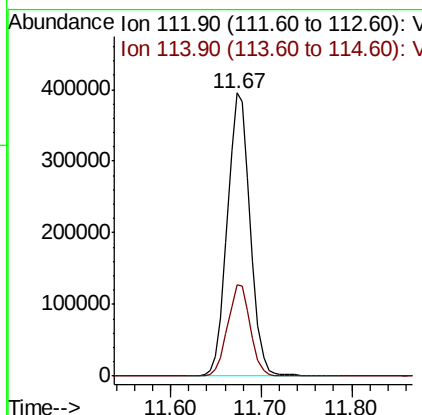
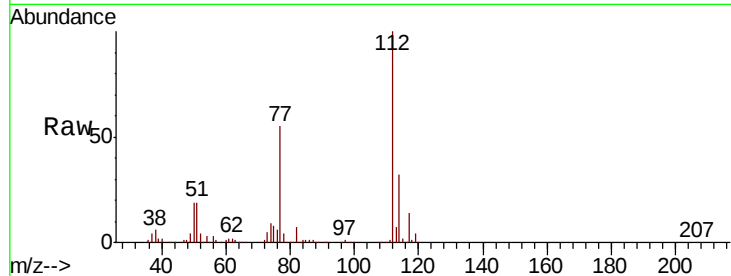




#65
Chlorobenzene
Concen: 47.688 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

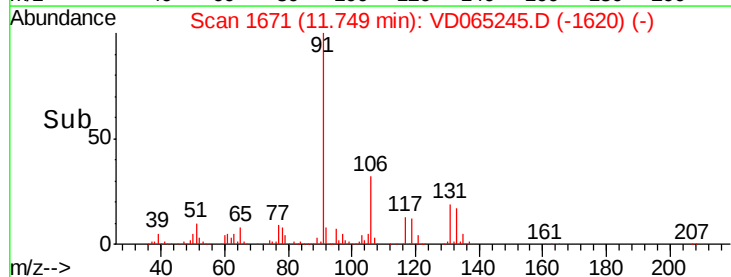
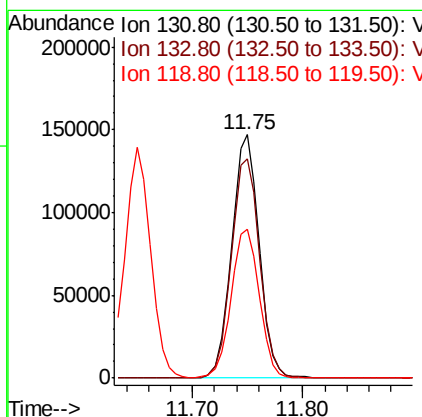
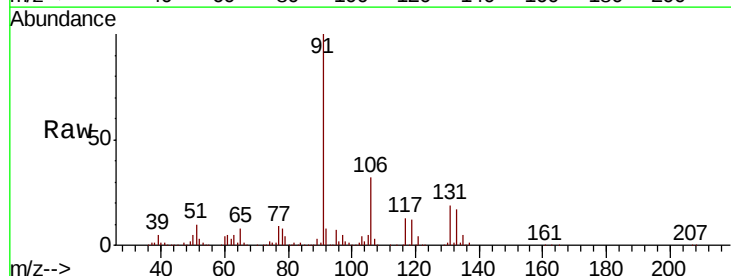
Instrument :
MSVOA_D
ClientSampled :

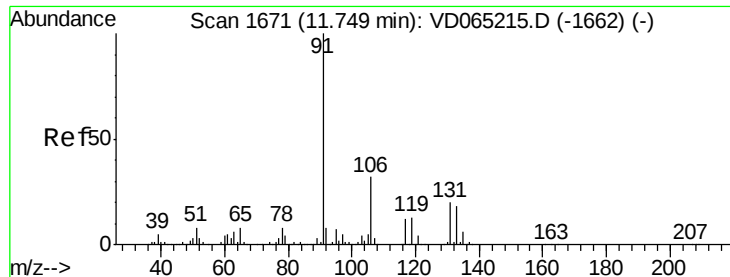
Tot Ion:112 Resp: 690318
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.358 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:131 Resp: 255823
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 63.5 32.7 98.1





#67

Ethyl Benzene

Concen: 48.789 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

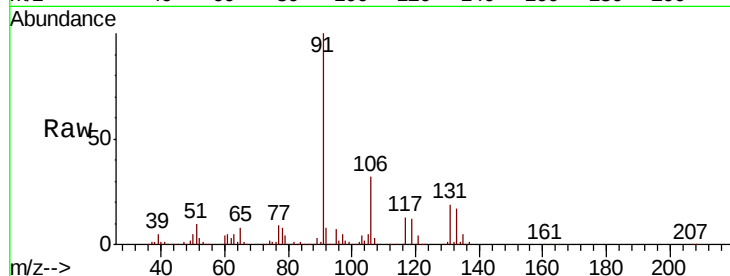
ClientSampled :

Tot Ion: 91 Resp: 1236918

Ion Ratio Lower Upper

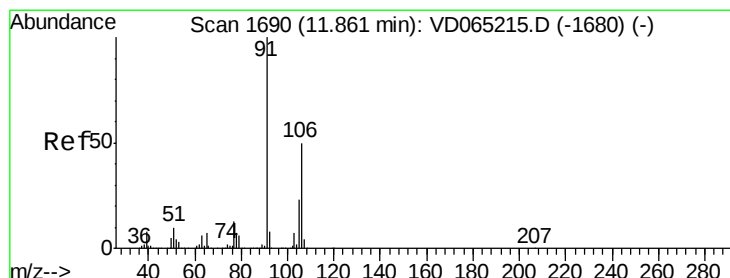
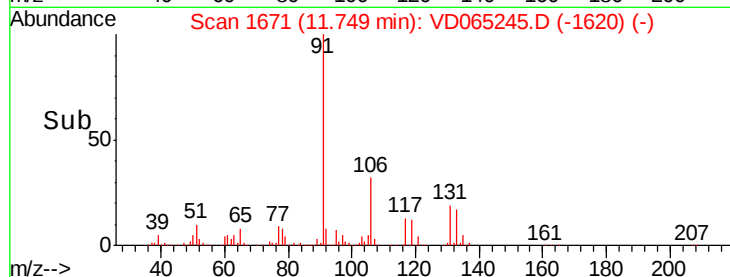
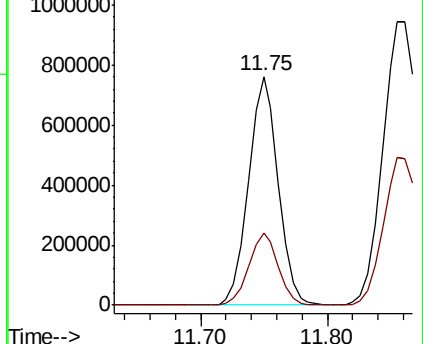
91 100

106 31.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 98.939 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065245.D

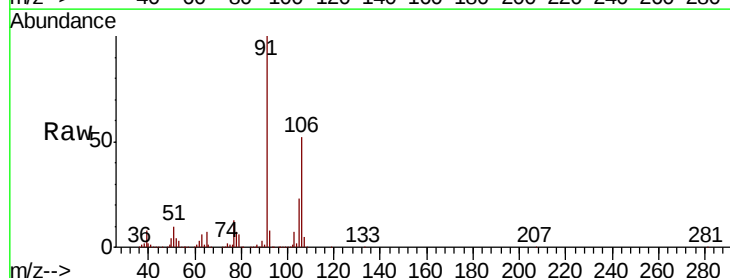
Acq: 19 Feb 2020 18:16

Tgt Ion: 106 Resp: 959672

Ion Ratio Lower Upper

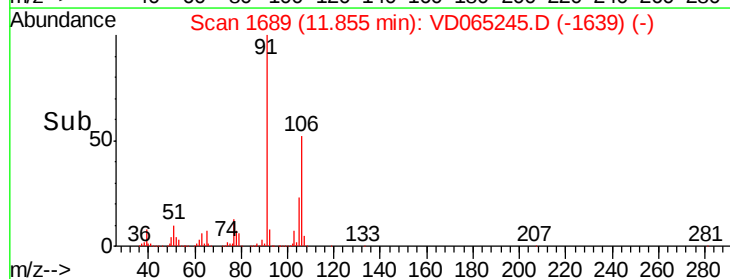
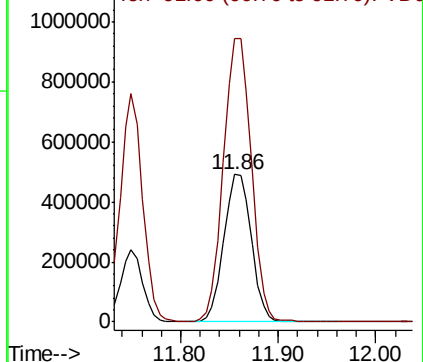
106 100

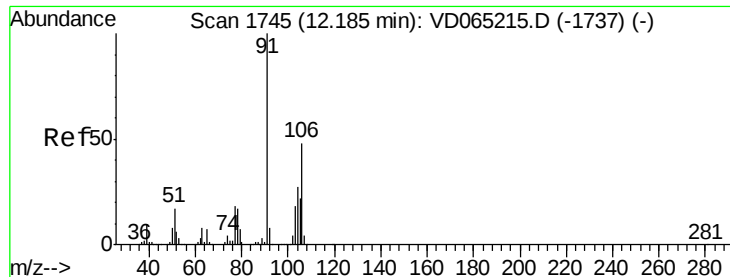
91 195.0 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

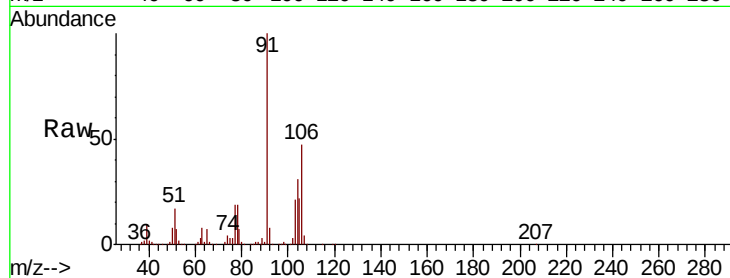




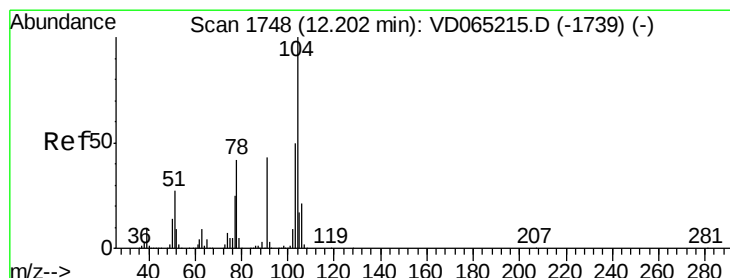
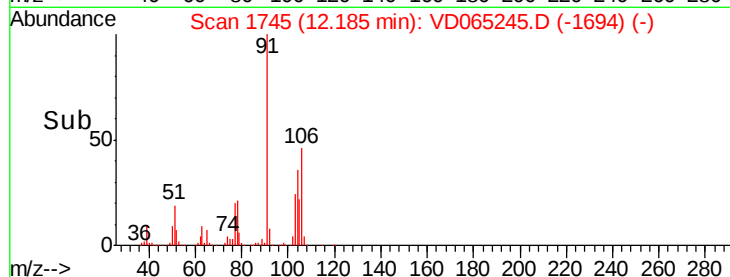
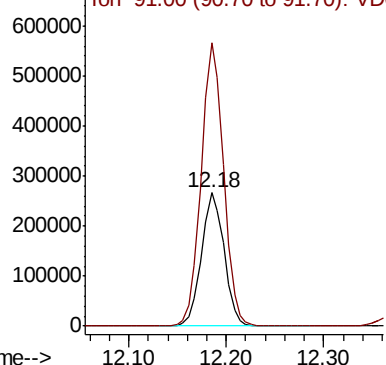
#69
o-Xylene
Concen: 49.978 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 429478
Ion Ratio Lower Upper
106 100
91 210.2 104.7 313.9

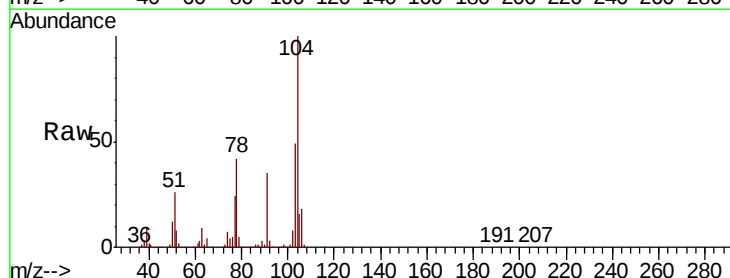


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

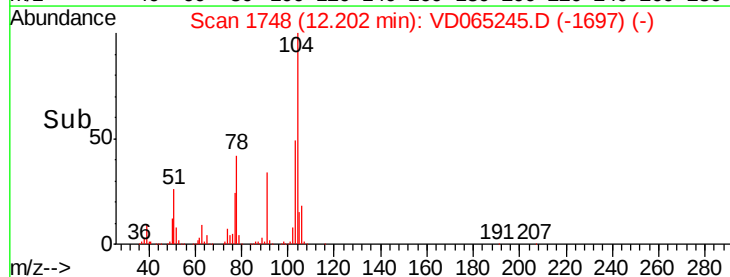
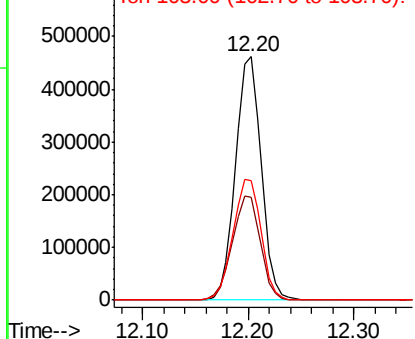


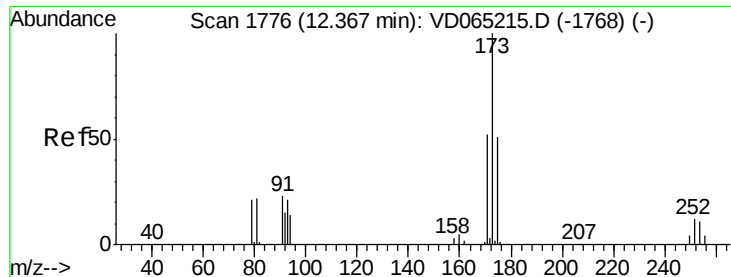
#70
Styrene
Concen: 50.860 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:104 Resp: 775977
Ion Ratio Lower Upper
104 100
78 46.6 37.8 56.6
103 54.2 43.4 65.2



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

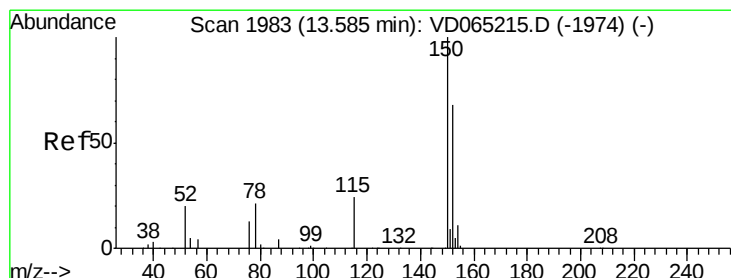
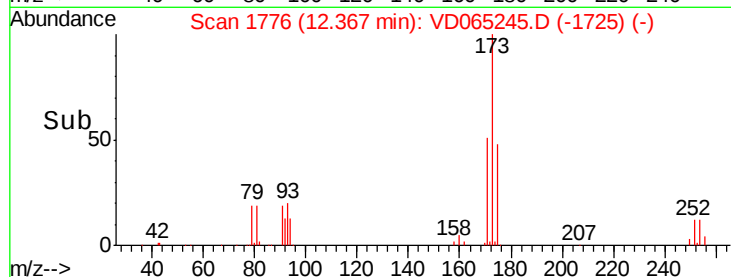
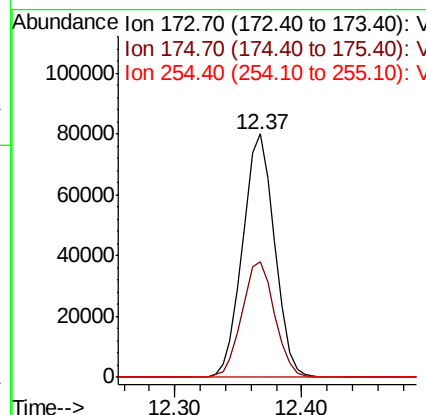
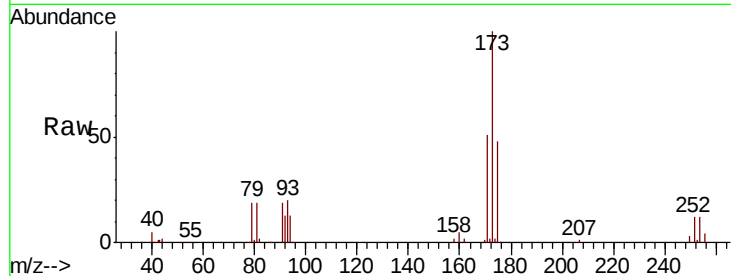




#71
Bromoform
Concen: 46.697 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

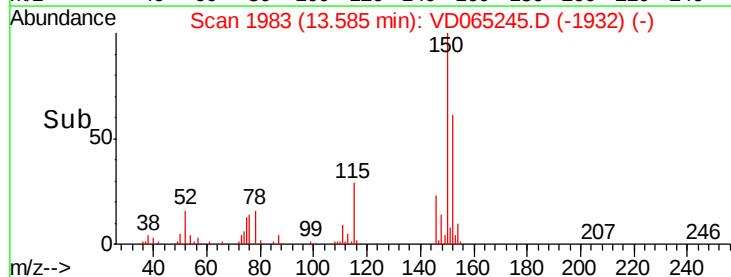
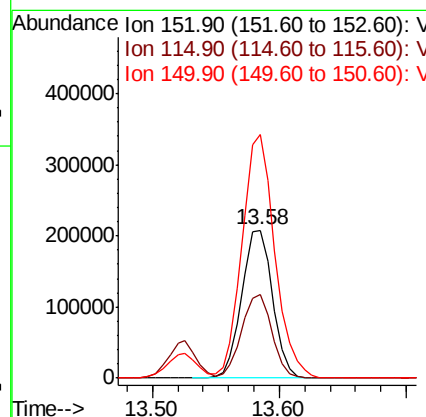
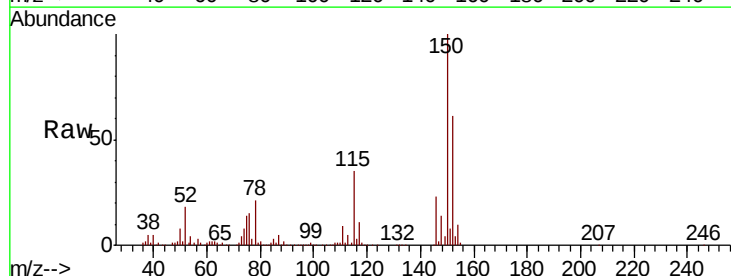
Instrument :
MSVOA_D
ClientSampleId :

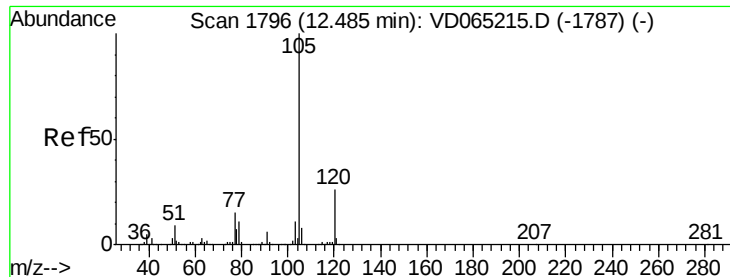
Tot Ion:173 Resp: 139977
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:152 Resp: 349856
Ion Ratio Lower Upper
152 100
115 56.1 27.6 82.8
150 174.8 0.0 347.4

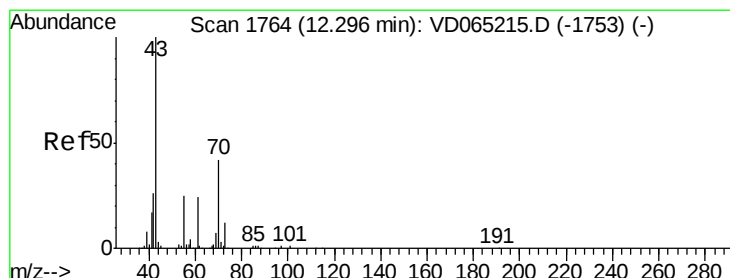
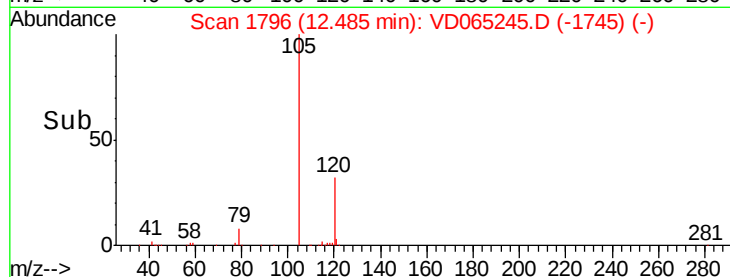
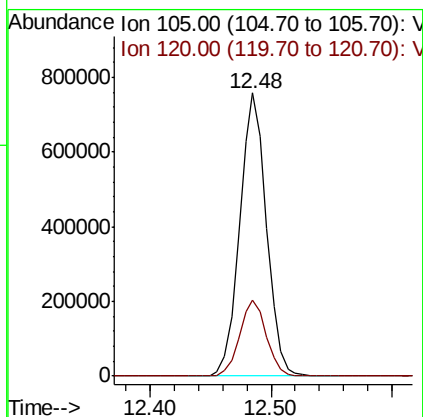
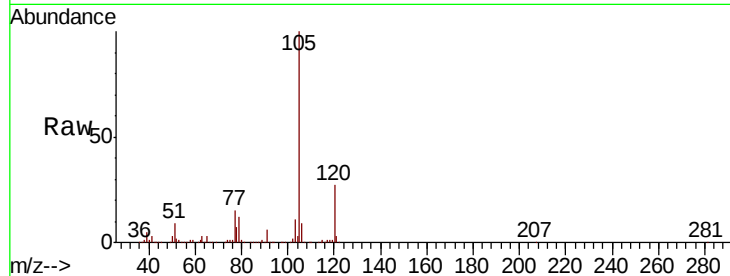




#73
Isopropylbenzene
Concen: 50.320 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

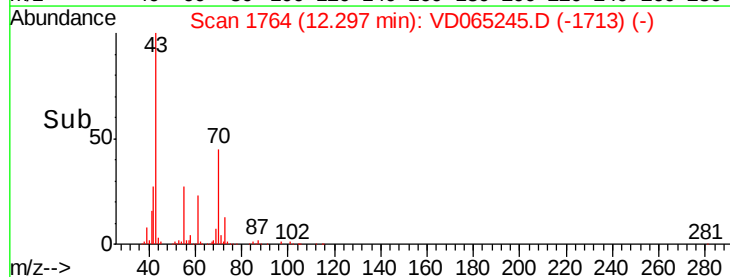
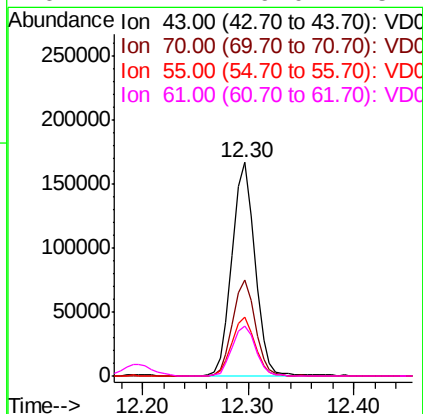
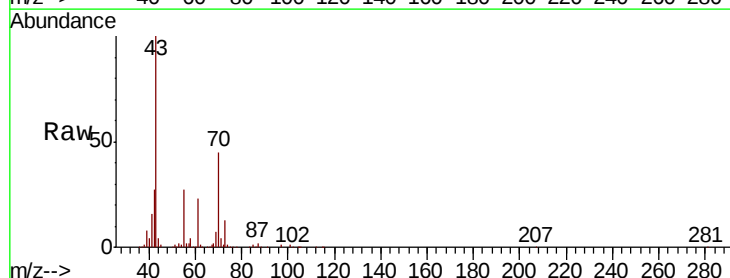
Instrument :
MSVOA_D
ClientSampled :

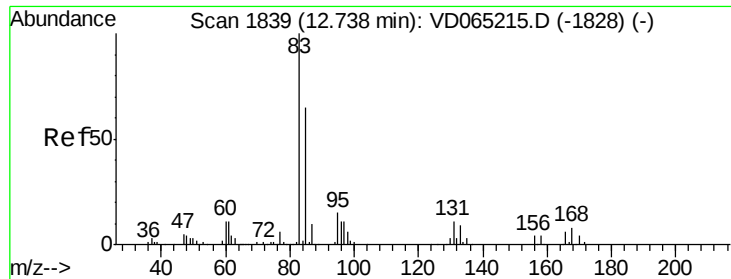
Tot Ion:105 Resp: 1165514
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#74
N-ethyl acetate
Concen: 48.832 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 43 Resp: 251327
Ion Ratio Lower Upper
43 100
70 44.4 33.7 50.5
55 27.8 20.7 31.1
61 24.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

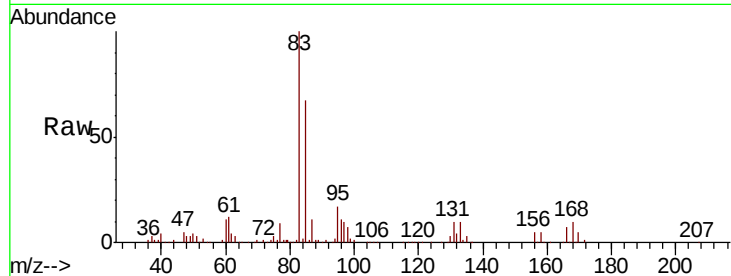
Tot Ion: 83 Resp: 200819

Ion Ratio Lower Upper

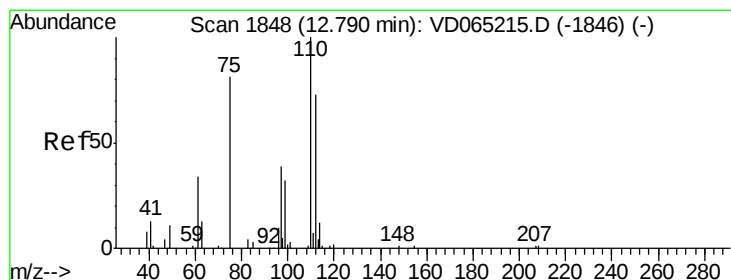
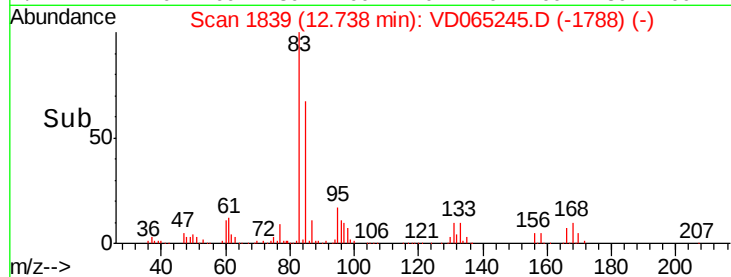
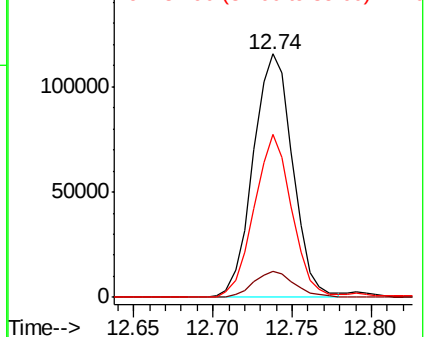
83 100

131 11.2 5.4 16.2

85 63.9 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: 87.338 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065245.D

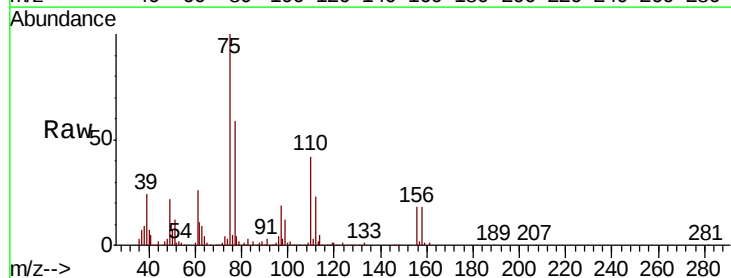
Acq: 19 Feb 2020 18:16

Tgt Ion: 75 Resp: 259978

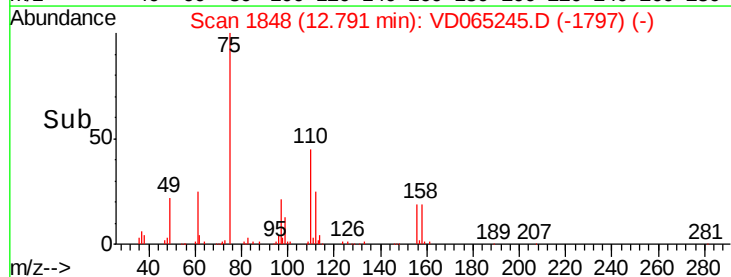
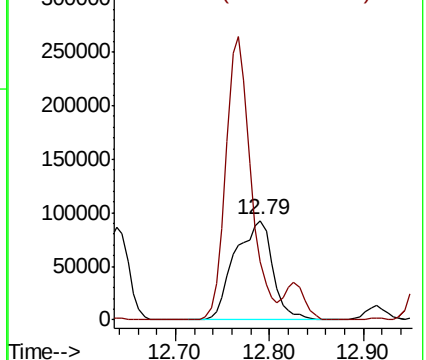
Ion Ratio Lower Upper

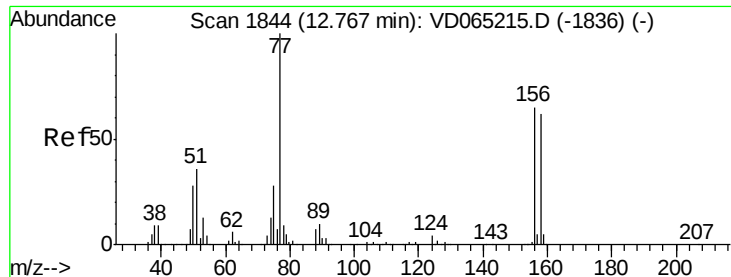
75 100

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: 49.647 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

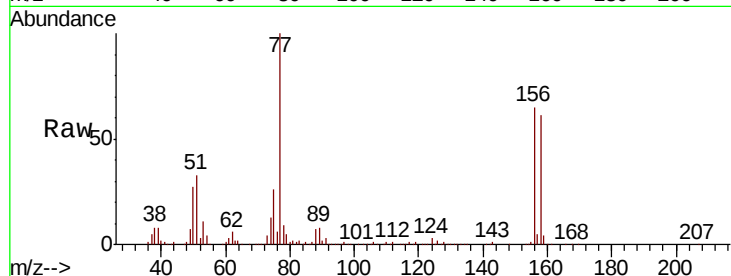
Tot Ion:156 Resp: 285549

Ion Ratio Lower Upper

156 100

77 172.3 86.6 259.7

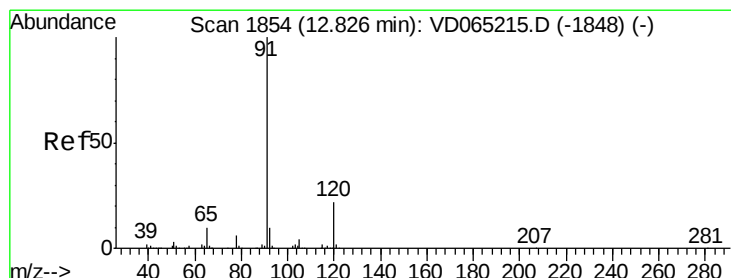
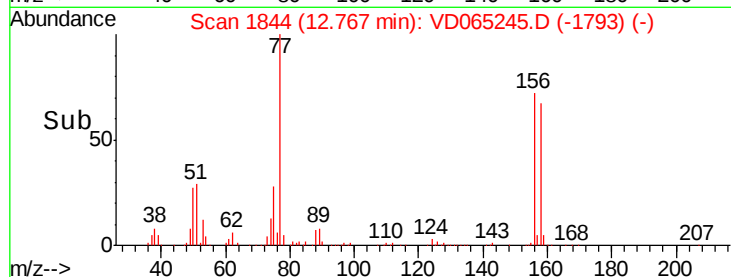
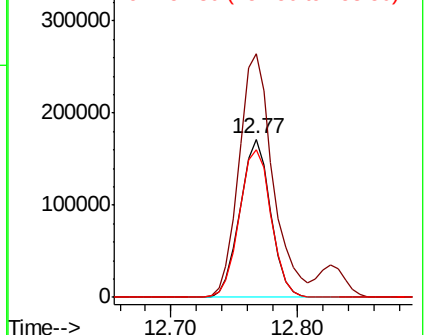
158 97.6 48.1 144.3



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: 49.999 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065245.D

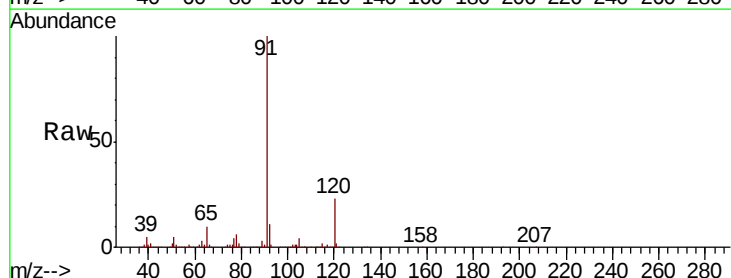
Acq: 19 Feb 2020 18:16

Tgt Ion: 91 Resp: 1391684

Ion Ratio Lower Upper

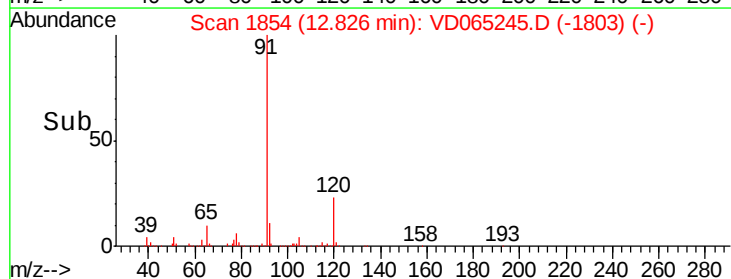
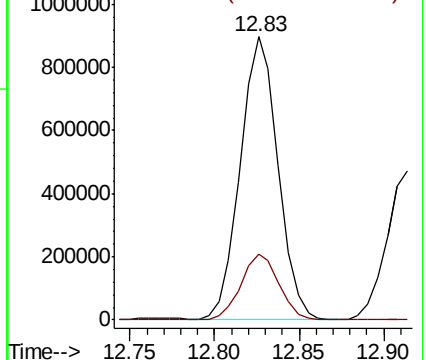
91 100

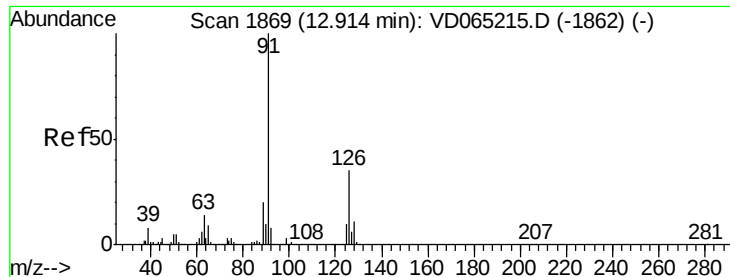
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

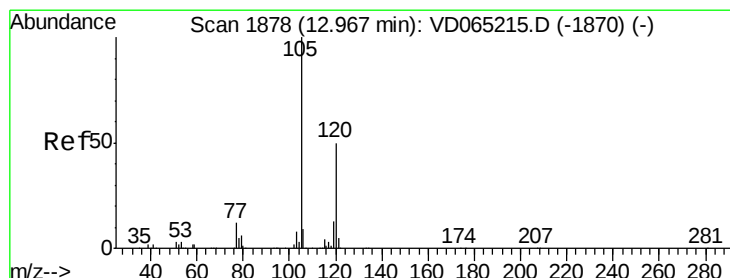
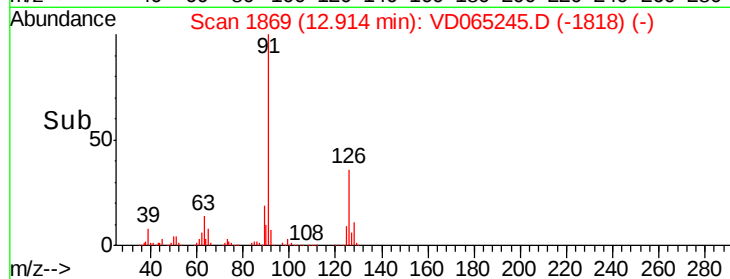
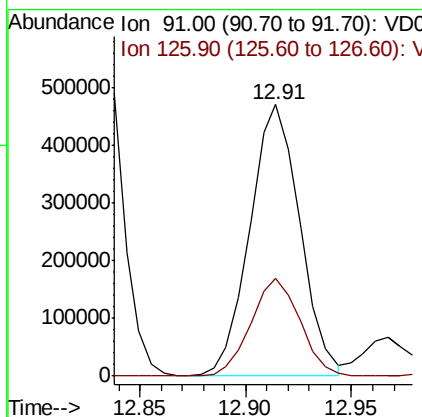
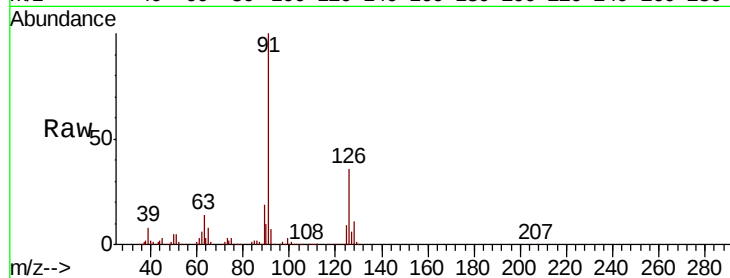




#79
2-Chlorotoluene
Concen: 49.633 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

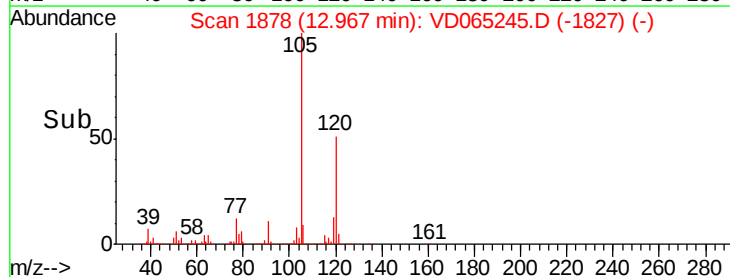
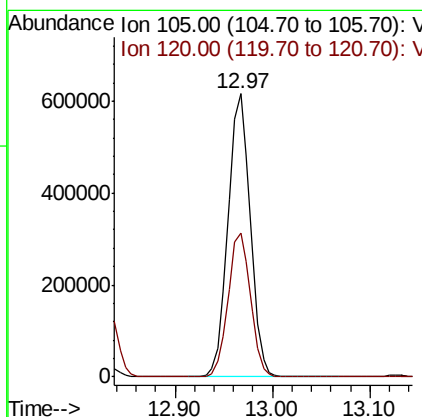
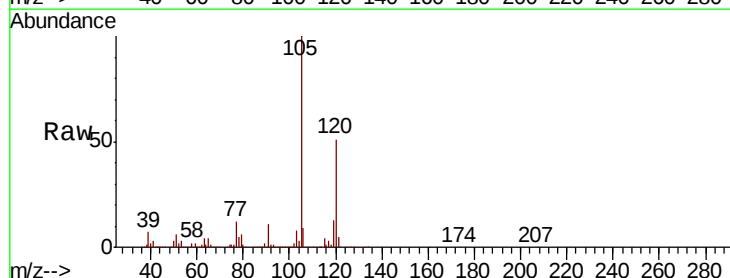
Instrument :
MSVOA_D
ClientSampled :

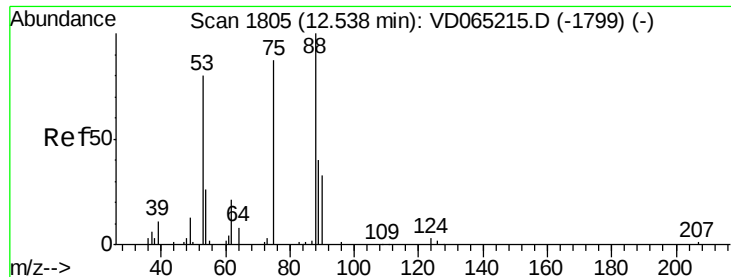
Tot Ion: 91 Resp: 773928
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 51.060 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 105 Resp: 974074
Ion Ratio Lower Upper
105 100
120 51.2 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.322 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

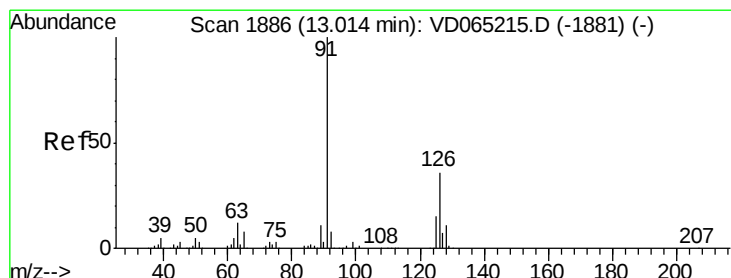
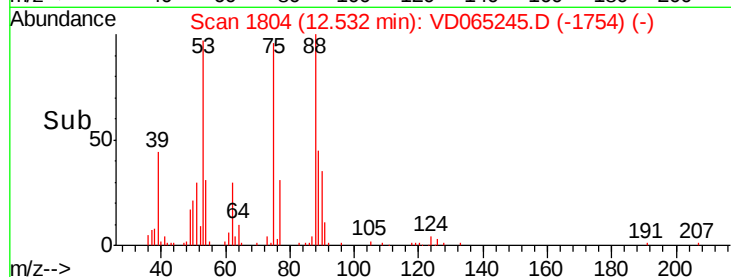
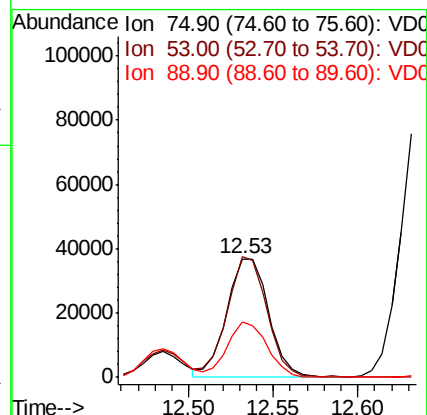
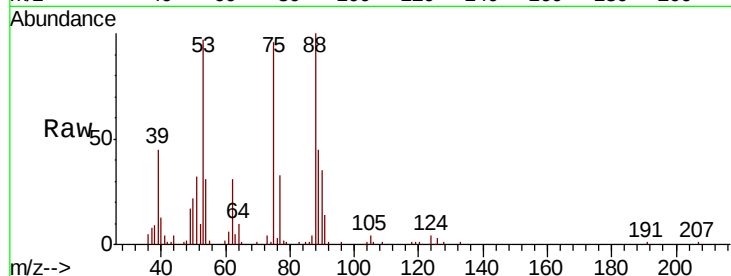
Tot Ion: 75 Resp: 63861

Ion Ratio Lower Upper

75 100

53 97.1 77.6 116.4

89 44.6 37.2 55.8



#82

4-Chlorotoluene

Concen: 49.833 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065245.D

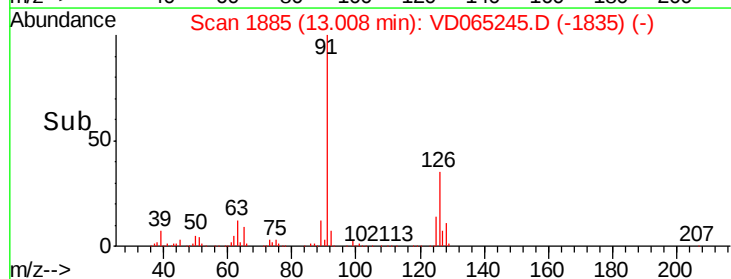
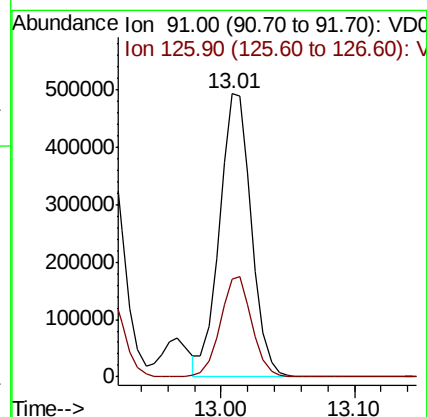
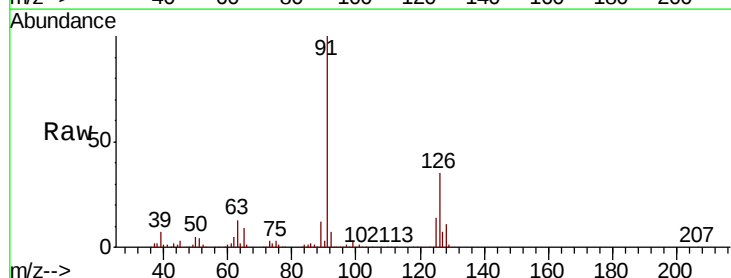
Acq: 19 Feb 2020 18:16

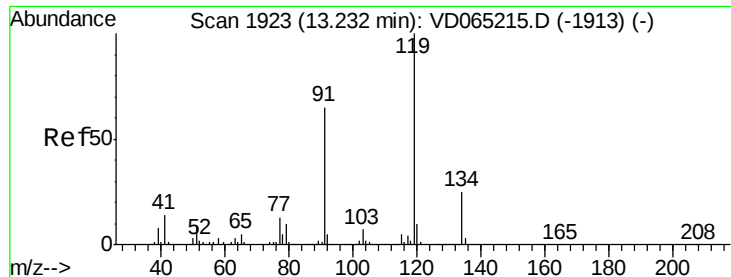
Tgt Ion: 91 Resp: 824949

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3

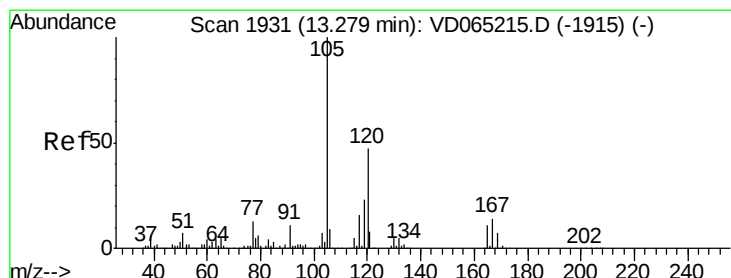
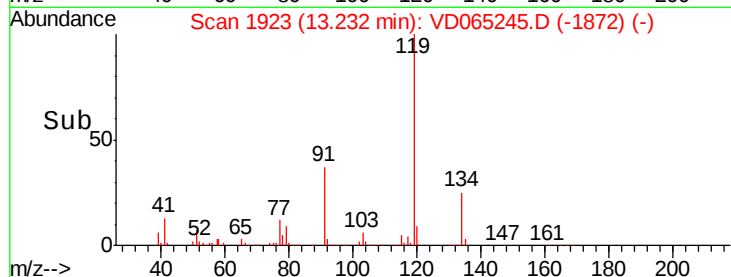
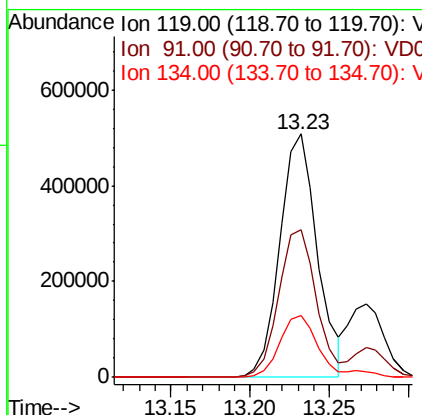
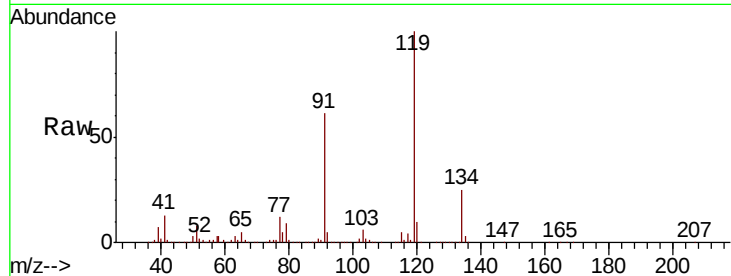




#83
tert-Butylbenzene
Concen: 51.895 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

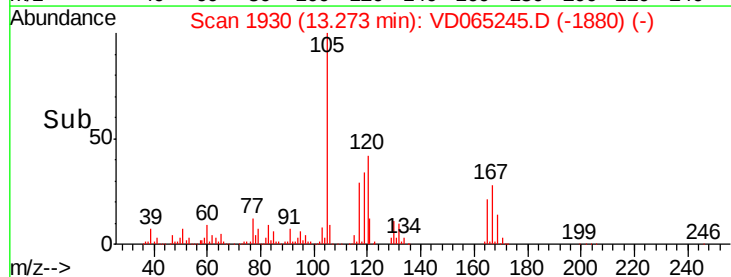
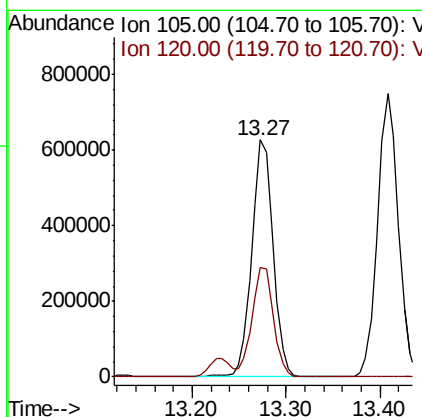
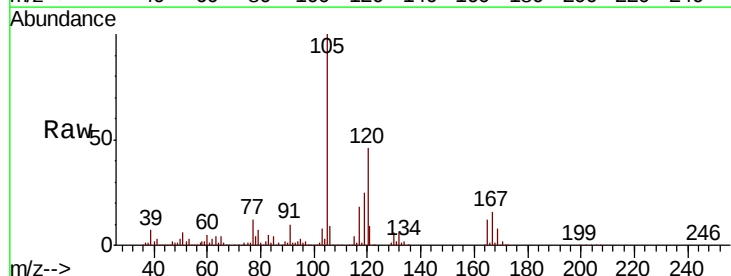
Instrument :
MSVOA_D
ClientSampleId :

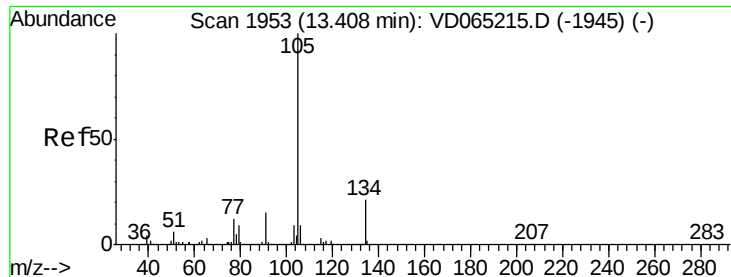
Tot Ion:119 Resp: 829746
Ion Ratio Lower Upper
119 100
91 61.0 31.9 95.5
134 27.5 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 51.517 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion:105 Resp: 983685
Ion Ratio Lower Upper
105 100
120 46.0 23.3 69.9

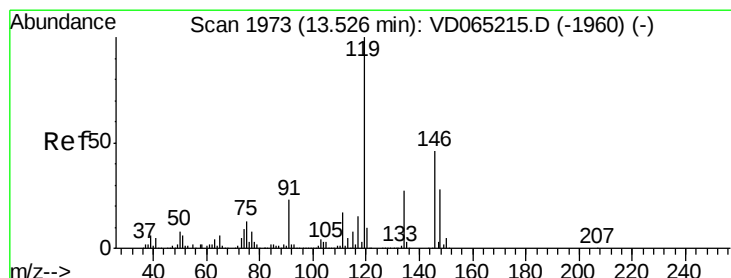
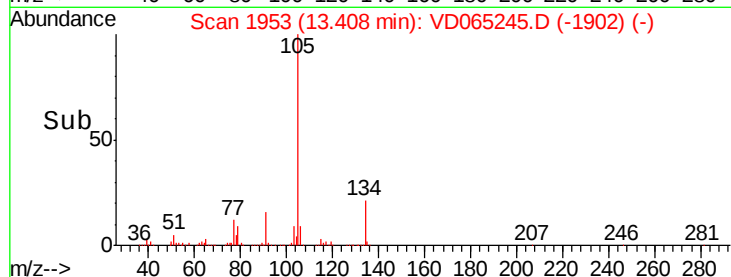
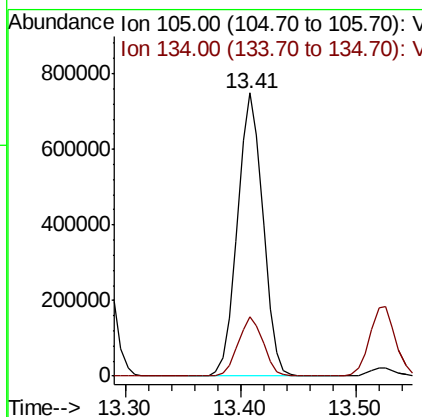
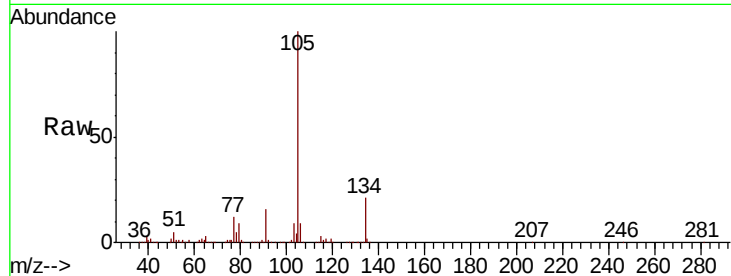




#85
 sec-Butylbenzene
 Concen: 49.675 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

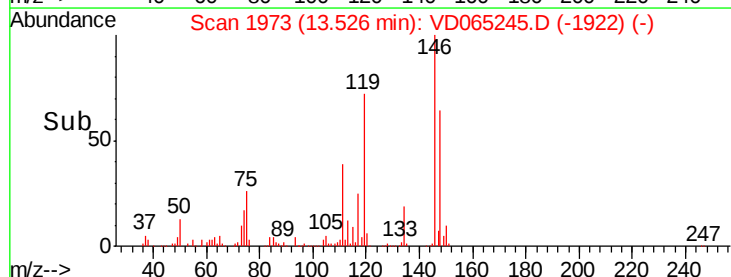
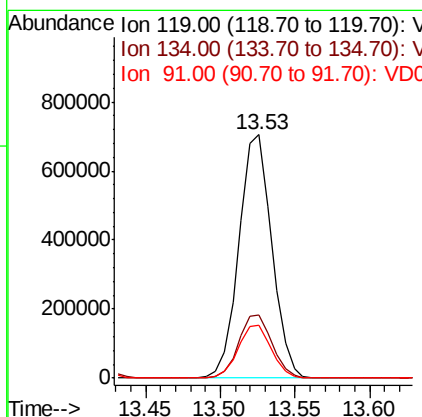
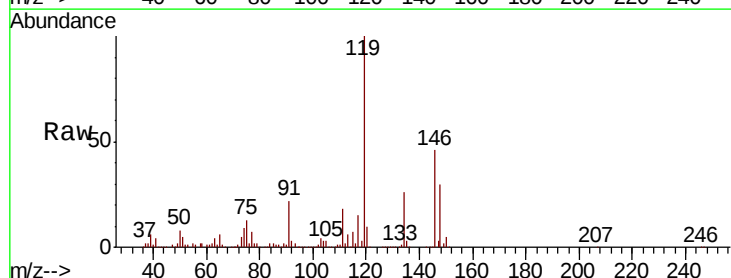
Instrument :
 MSVOA_D
 ClientSampleId :

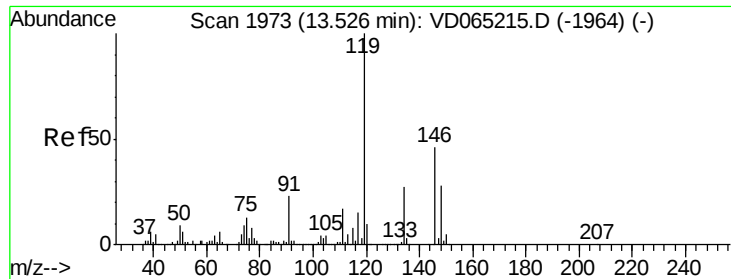
Tot Ion:105 Resp: 1144471
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 50.924 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion:119 Resp: 1072923
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.914 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

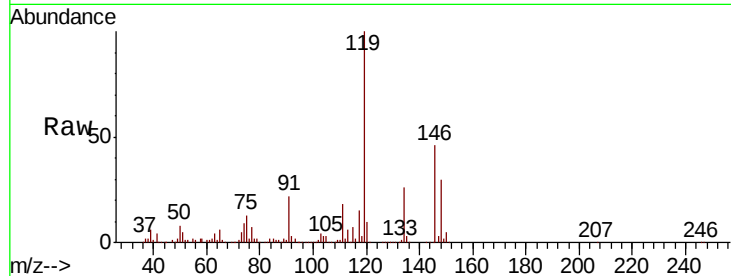
Tot Ion:146 Resp: 543879

Ion Ratio Lower Upper

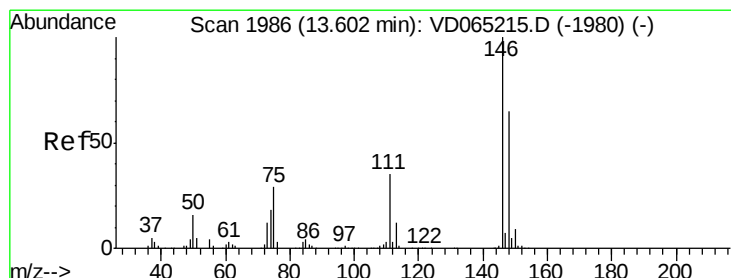
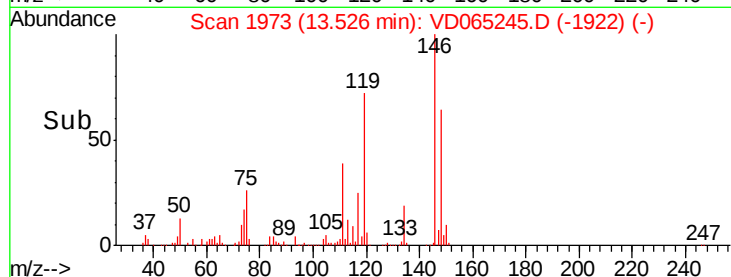
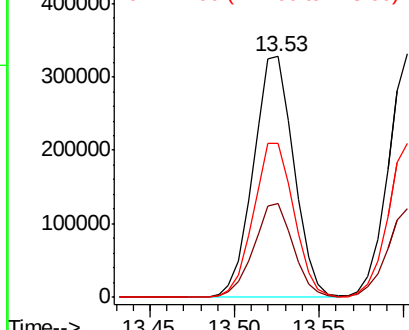
146 100

111 38.1 18.6 55.8

148 63.9 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: 48.958 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

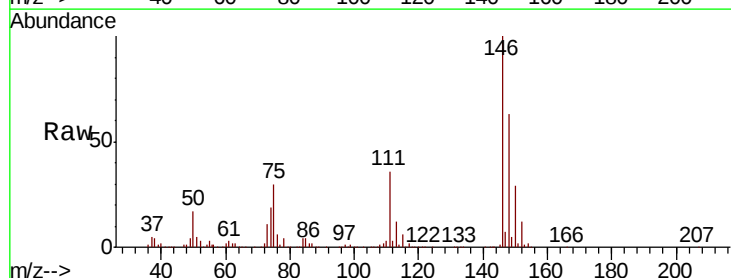
Tgt Ion:146 Resp: 537266

Ion Ratio Lower Upper

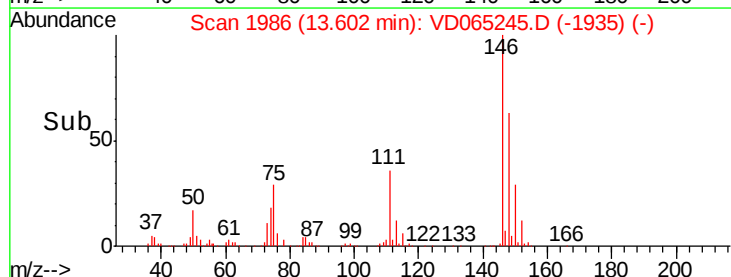
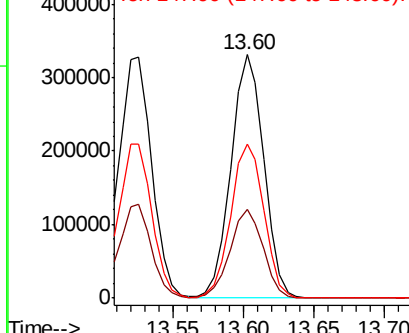
146 100

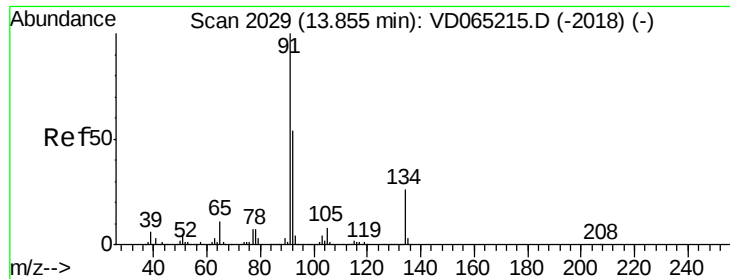
111 36.7 18.4 55.2

148 63.8 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

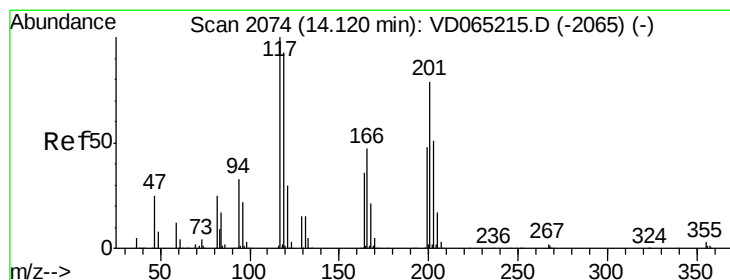
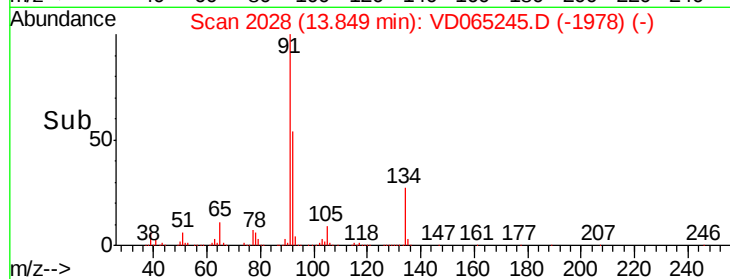
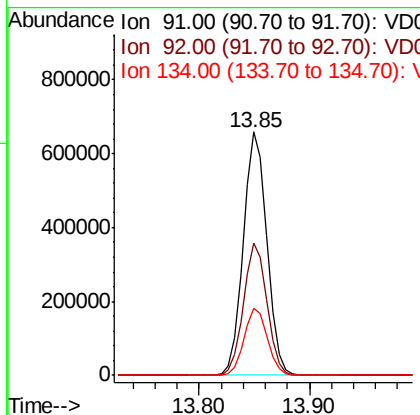
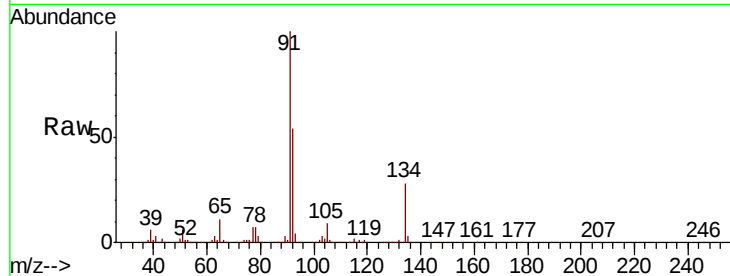




#89
n-Butylbenzene
Concen: 50.849 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

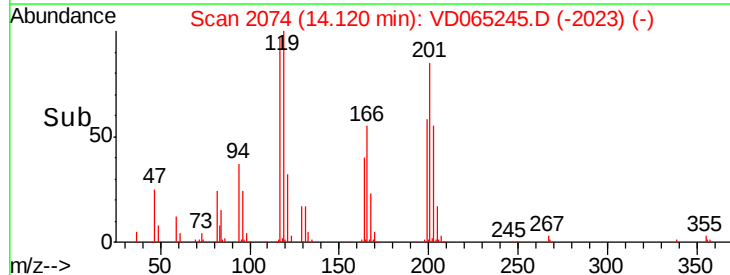
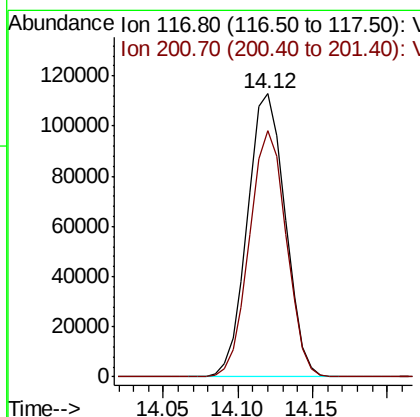
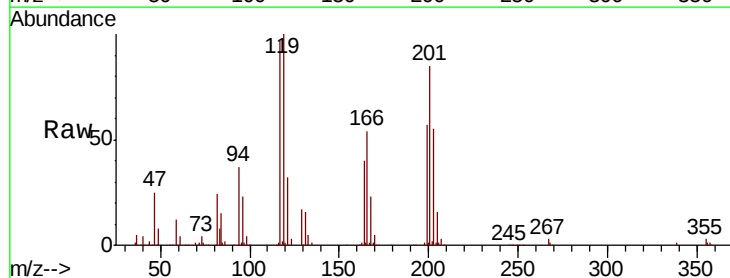
Instrument :
MSVOA_D
ClientSampled :

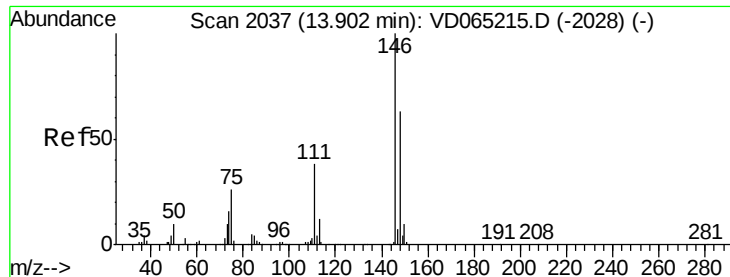
Tot Ion: 91 Resp: 987232
Ion Ratio Lower Upper
91 100
92 54.2 27.0 80.8
134 27.3 13.5 40.4



#90
Hexachloroethane
Concen: 46.361 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 117 Resp: 198335
Ion Ratio Lower Upper
117 100
201 84.6 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 49.402 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

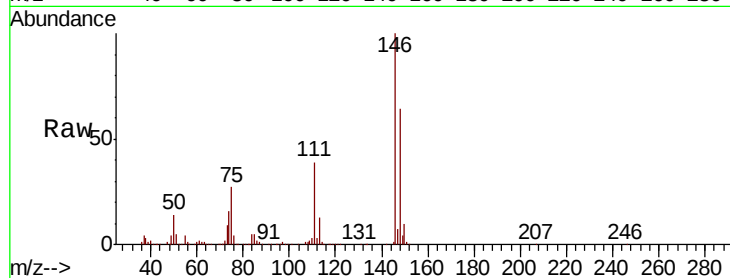
Tot Ion:146 Resp: 471654

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.0

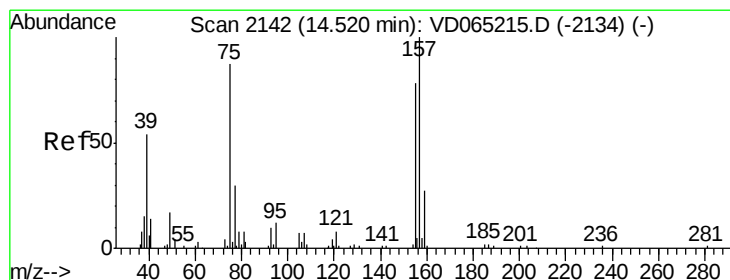
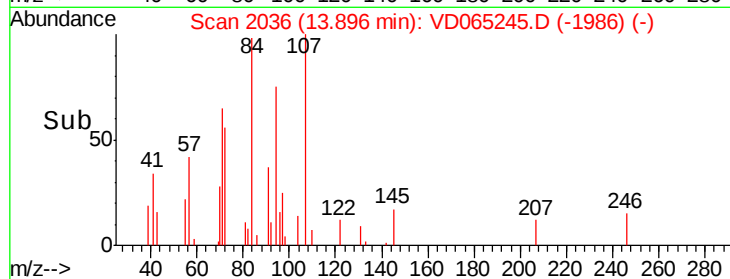
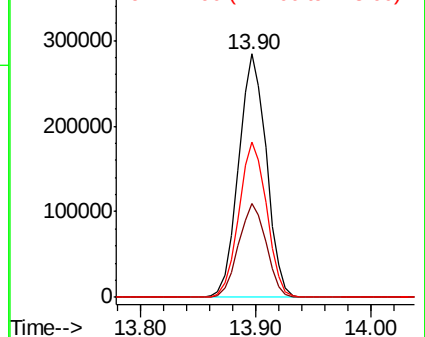
148 63.9 32.0 96.2



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: 46.048 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

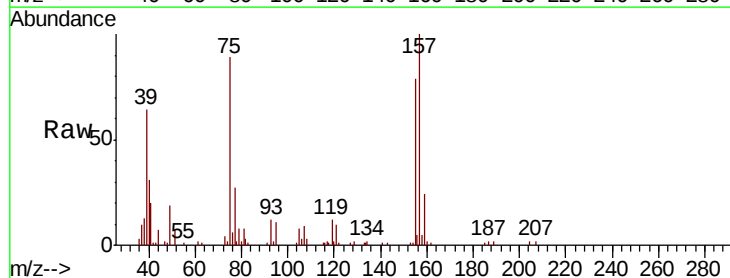
Tgt Ion: 75 Resp: 29664

Ion Ratio Lower Upper

75 100

155 97.9 42.3 126.9

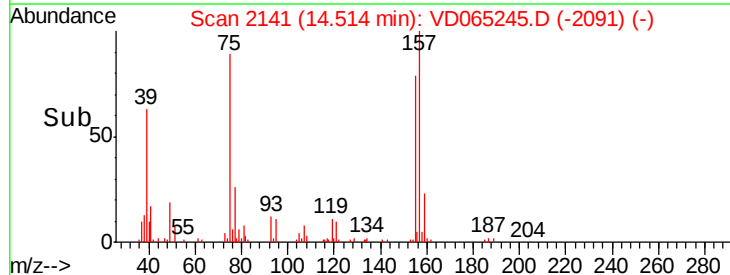
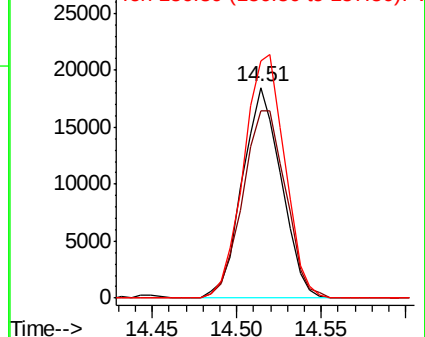
157 121.9 56.7 170.1

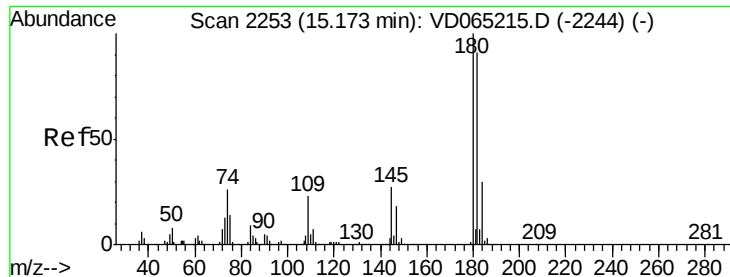


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

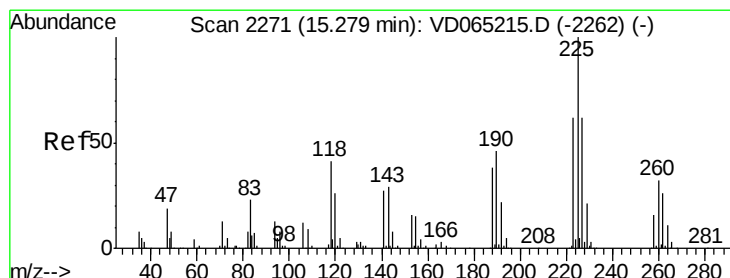
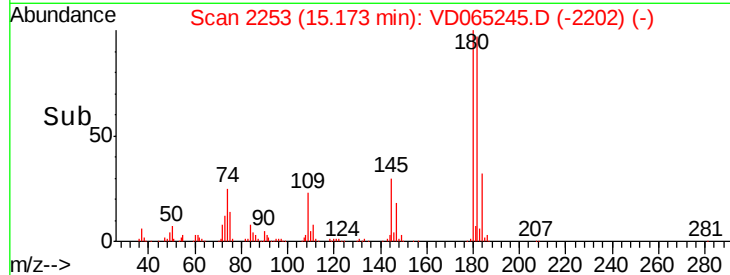
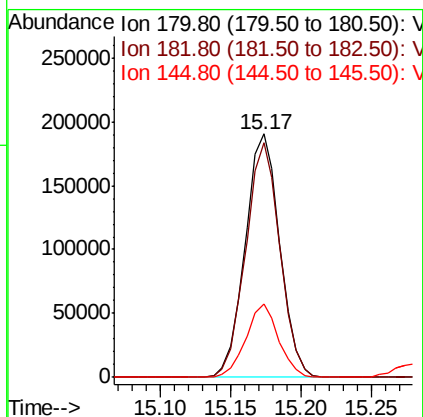
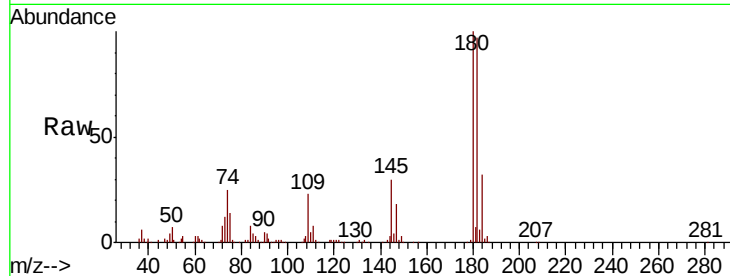




#93
 1,2,4-Trichlorobenzene
 Concen: 52.433 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

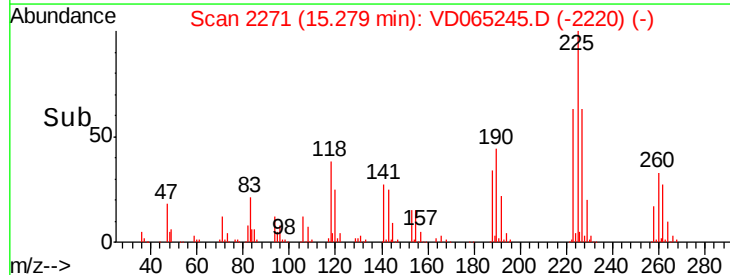
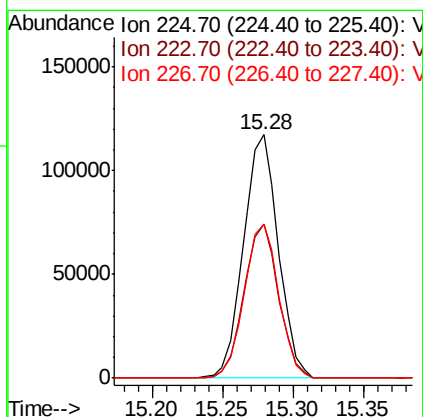
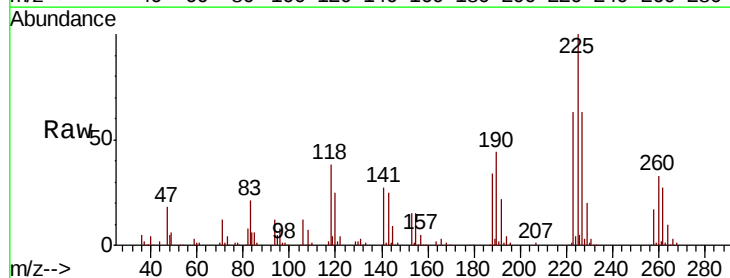
Instrument :
 MSVOA_D
 ClientSampled :

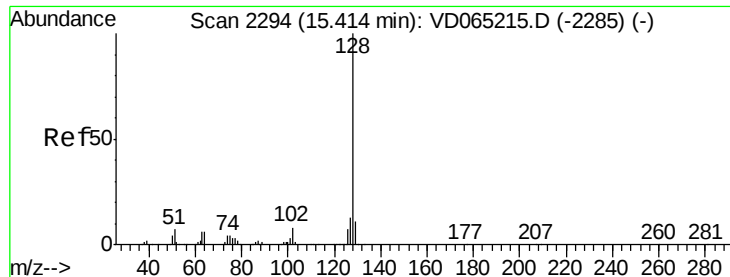
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.6
145	28.5	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 50.655 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	62.7	31.7	95.1





#95

Naphthalene

Concen: 54.141 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampled :

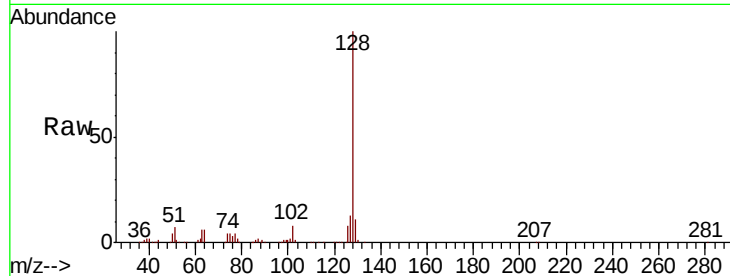
Tot Ion:128 Resp: 549652

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

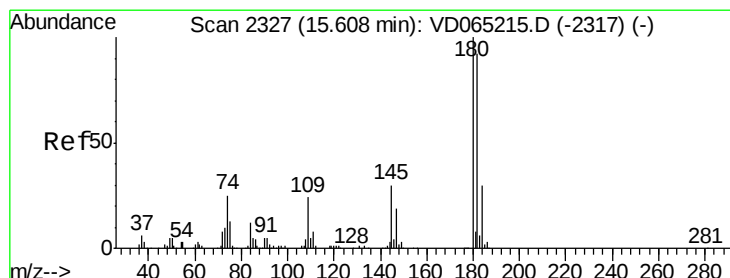
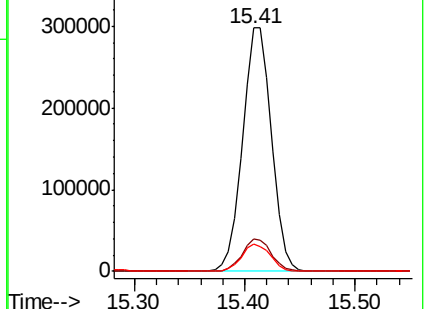
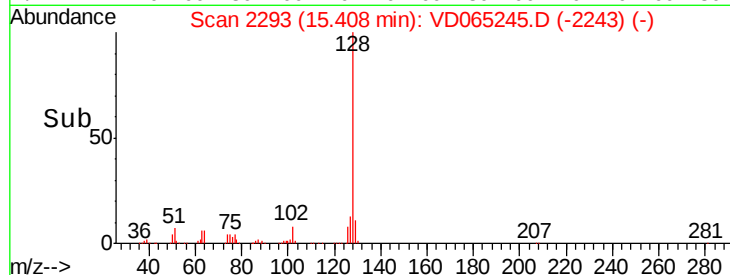
129 11.0 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 52.571 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

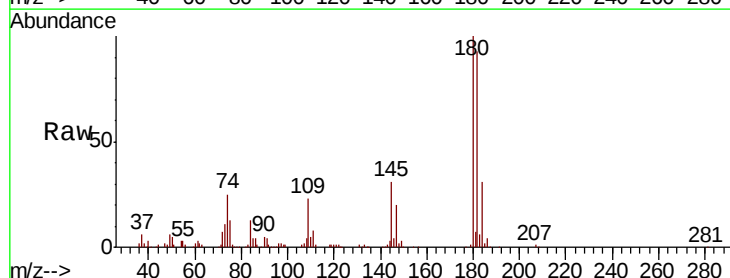
Tgt Ion:180 Resp: 286731

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.6

145 30.0 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

