

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065384.D
 Acq On : 03 Mar 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:50:39 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	467048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197704	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	7.92	113	210541	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.34	98	813802	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.64	95	259655	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186722	47.666	ug/l	100
3) Chloromethane	2.21	50	216644	43.450	ug/l	98
4) Vinyl Chloride	2.35	62	225653	44.506	ug/l	98
5) Bromomethane	2.77	94	133390	43.513	ug/l	100
6) Chloroethane	2.93	64	138885	44.877	ug/l	99
7) Trichlorofluoromethane	3.27	101	349132	48.098	ug/l	99
8) Diethyl Ether	3.71	74	104002	47.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226425	49.395	ug/l	99
10) Methyl Iodide	4.30	142	239858	50.396	ug/l	99
11) Tert butyl alcohol	5.24	59	55238	220.009	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	206734	47.742	ug/l	97
13) Acrolein	3.93	56	71722	230.984	ug/l	97
14) Allyl chloride	4.71	41	324310	46.120	ug/l	97
15) Acrylonitrile	5.43	53	231887	239.040	ug/l	99
16) Acetone	4.16	43	260745	253.871	ug/l	96
17) Carbon Disulfide	4.40	76	640167	44.096	ug/l	99
18) Methyl Acetate	4.72	43	106949	46.299	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	437803	48.483	ug/l	99
20) Methylene Chloride	4.96	84	226114	49.397	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	239289	48.609	ug/l	95
22) Diisopropyl ether	6.37	45	654459	48.278	ug/l	98
23) Vinyl Acetate	6.31	43	1834542	245.479	ug/l	99
24) 1,1-Dichloroethane	6.27	63	399369	47.497	ug/l	98
25) 2-Butanone	7.22	43	315632	242.891	ug/l	98
26) 2,2-Dichloropropane	7.21	77	351329	48.158	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249698	47.887	ug/l	98
28) Bromochloromethane	7.55	49	137414	44.051	ug/l	98
29) Tetrahydrofuran	7.57	42	184008	241.672	ug/l	98
30) Chloroform	7.71	83	404534	47.755	ug/l	100
31) Cyclohexane	7.98	56	375986	45.511	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	364506	48.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	328170	50.763	ug/l	99
37) Ethyl Acetate	7.30	43	131876	48.796	ug/l	97
38) Carbon Tetrachloride	8.10	117	338215	51.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	396216	52.132	ug/l	98
40) Benzene	8.36	78	926942	50.798	ug/l	100
41) Methacrylonitrile	7.53	41	74907	48.003	ug/l	99
42) 1,2-Dichloroethane	8.43	62	243485	48.537	ug/l	99
43) Isopropyl Acetate	8.46	43	236597	48.142	ug/l	98
44) Trichloroethene	9.11	130	256755	50.761	ug/l	95
45) 1,2-Dichloropropane	9.39	63	227945	50.237	ug/l	99
46) Dibromomethane	9.48	93	117636	50.389	ug/l	97
47) Bromodichloromethane	9.67	83	308777	50.188	ug/l	99
48) Methyl methacrylate	9.46	41	112174	49.380	ug/l	94
49) 1,4-Dioxane	9.47	88	27743	1013.219	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	640659	256.657	ug/l	99
52) Toluene	10.41	92	596129	52.779	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	292141	51.228	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	356289	51.739	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	168173	51.180	ug/l	99
56) Ethyl methacrylate	10.67	69	200366	52.830	ug/l	96
57) 1,3-Dichloropropane	10.95	76	290538	51.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	289987	242.520	ug/l	98
59) 2-Hexanone	10.99	43	488306	273.277	ug/l	96
60) Dibromochloromethane	11.14	129	214480	50.997	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160761	51.672	ug/l	100
64) Tetrachloroethene	10.88	164	222567	52.560	ug/l	96
65) Chlorobenzene	11.68	112	621366	51.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	232053	51.900	ug/l	100
67) Ethyl Benzene	11.75	91	1111961	52.991	ug/l	100
68) m/p-Xylenes	11.86	106	854936	106.490	ug/l	100
69) o-Xylene	12.18	106	379050	53.292	ug/l	99
70) Styrene	12.20	104	681684	53.981	ug/l	100
71) Bromoform	12.37	173	133629	53.860	ug/l	# 98
73) Isopropylbenzene	12.48	105	1062197	52.769	ug/l	99
74) N-amyl acetate	12.30	43	219457	49.065	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	179948	49.533	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	231002	89.297	ug/l	# 100
77) Bromobenzene	12.77	156	256948	51.406	ug/l	97
78) n-propylbenzene	12.83	91	1261168	52.137	ug/l	99
79) 2-Chlorotoluene	12.91	91	684319	50.499	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	865340	52.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58538	48.859	ug/l	95
82) 4-Chlorotoluene	13.01	91	728470	50.636	ug/l	100
83) tert-Butylbenzene	13.23	119	729839	52.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	864499	52.096	ug/l	99
85) sec-Butylbenzene	13.41	105	1047551	52.319	ug/l	99
86) p-Isopropyltoluene	13.53	119	967898	52.861	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	489102	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	474271	49.730	ug/l	99
89) n-Butylbenzene	13.86	91	887405	52.594	ug/l	100
90) Hexachloroethane	14.12	117	188880	50.803	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	416590	50.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27689	49.459	ug/l	95

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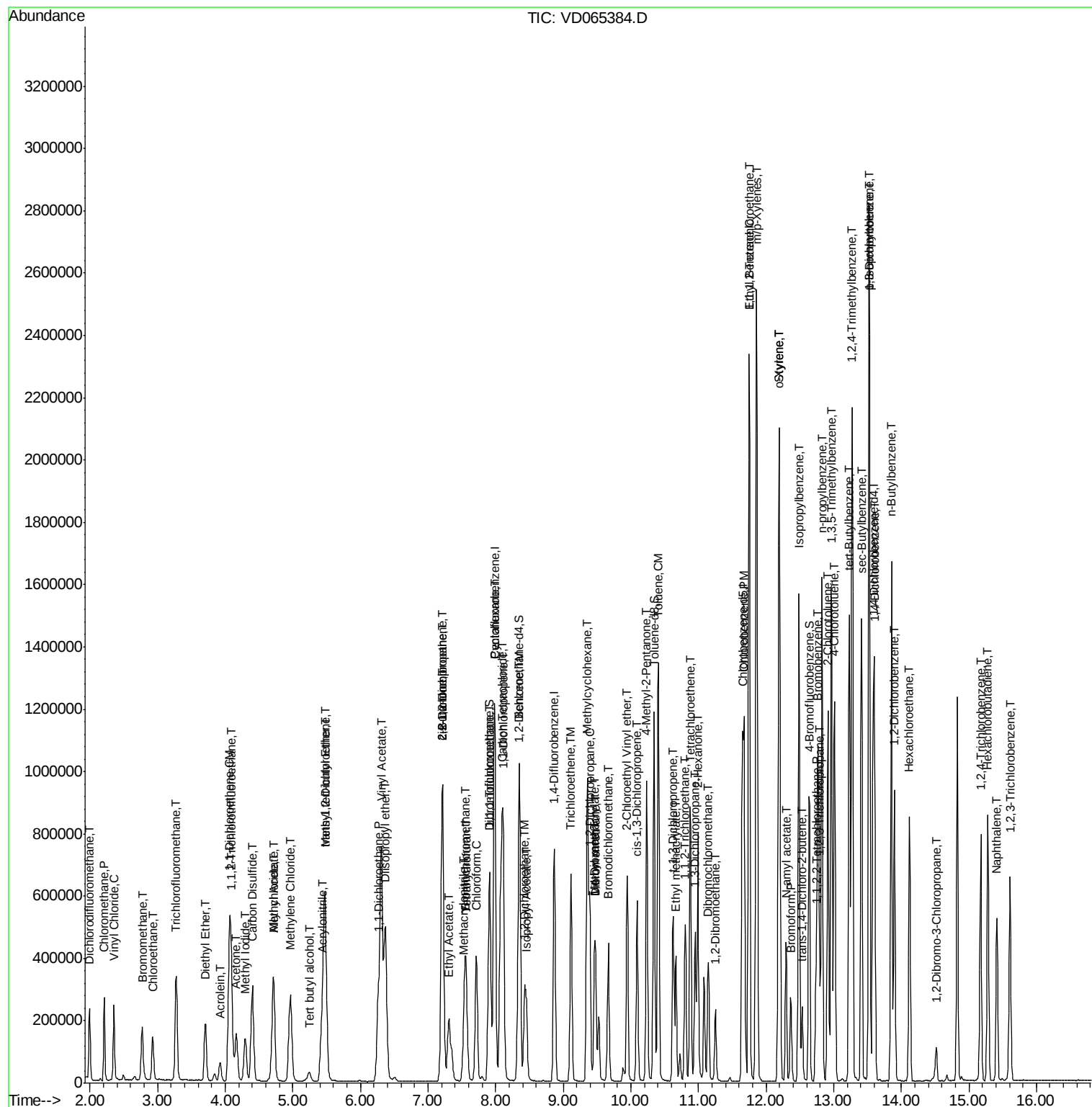
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	283905	52.311	ug/l	99
94) Hexachlorobutadiene	15.28	225	182717	52.483	ug/l	99
95) Naphthalene	15.41	128	472073	53.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	240327	50.702	ug/l	95

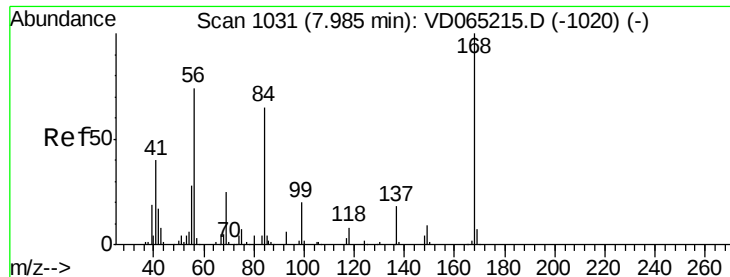
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

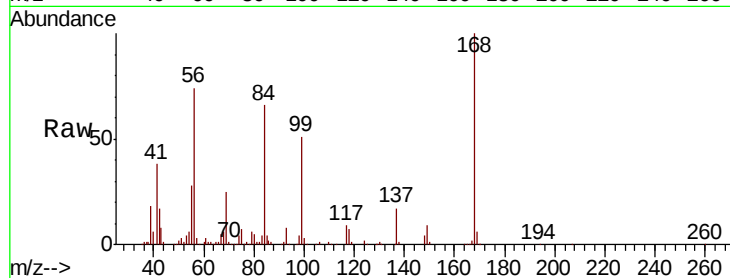
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 467048

Ion Ratio Lower Upper

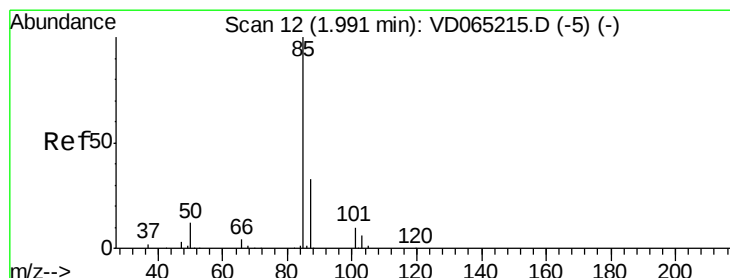
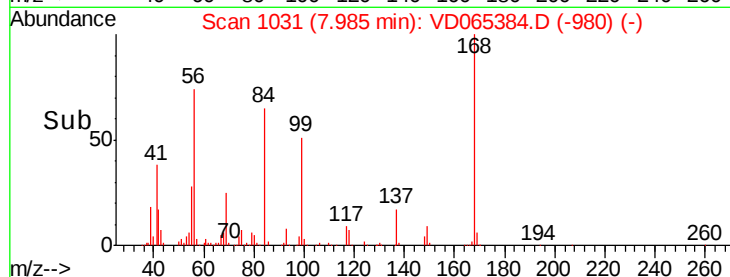
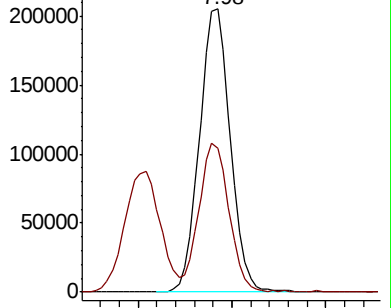
168 100

99 50.7 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.666 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065384.D

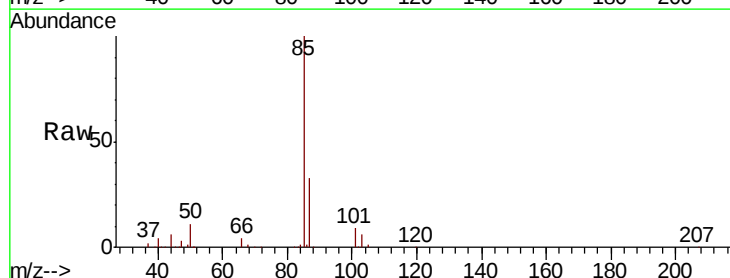
Acq: 03 Mar 2020 10:08

Tgt Ion: 85 Resp: 186722

Ion Ratio Lower Upper

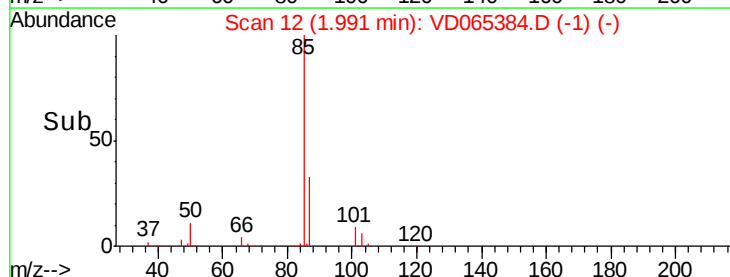
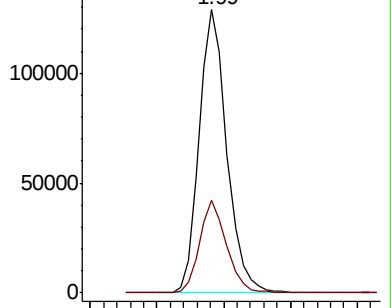
85 100

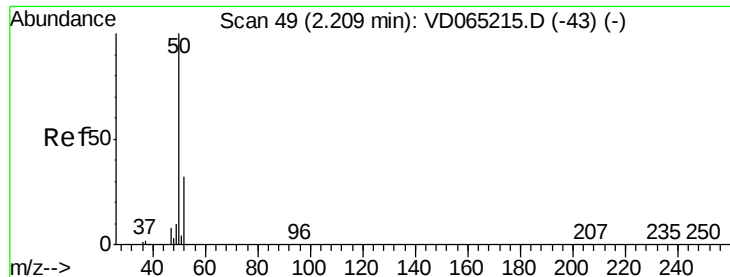
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.450 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

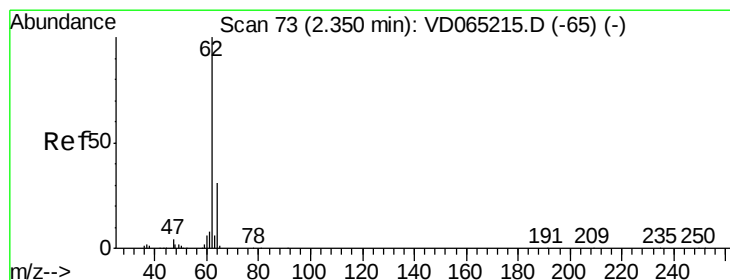
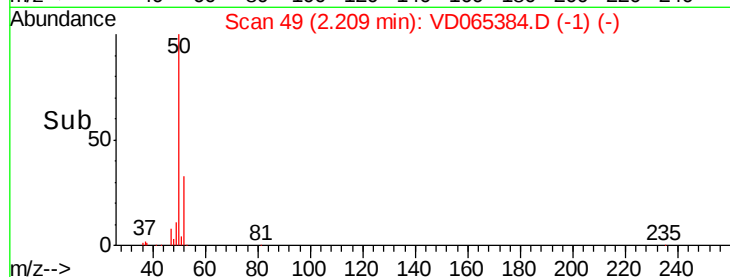
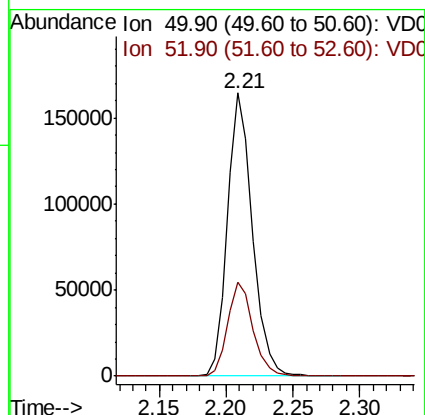
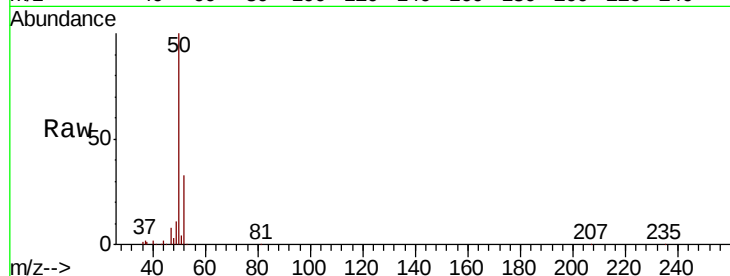
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 216644

Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3



#4

Vinyl Chloride

Concen: 44.506 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065384.D

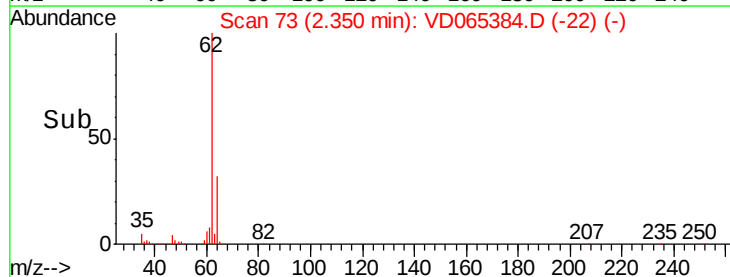
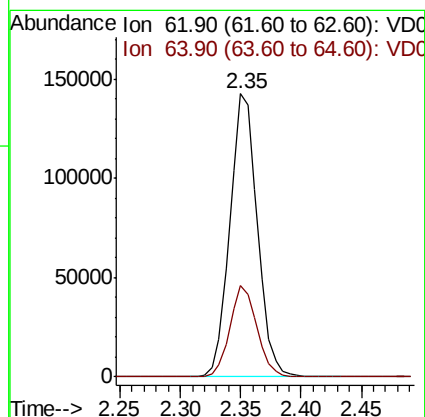
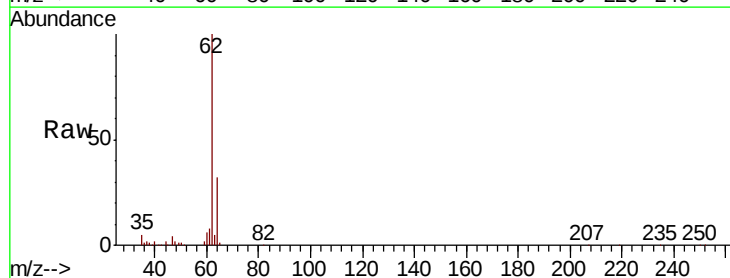
Acq: 03 Mar 2020 10:08

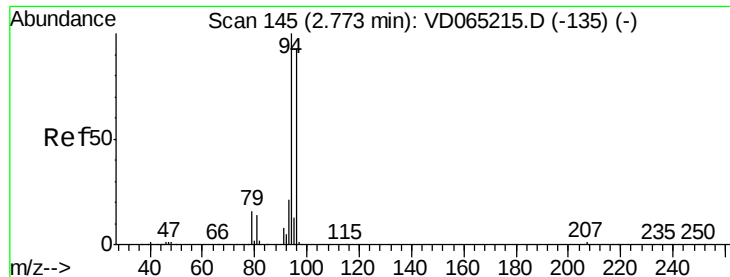
Tgt Ion: 62 Resp: 225653

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 43.513 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

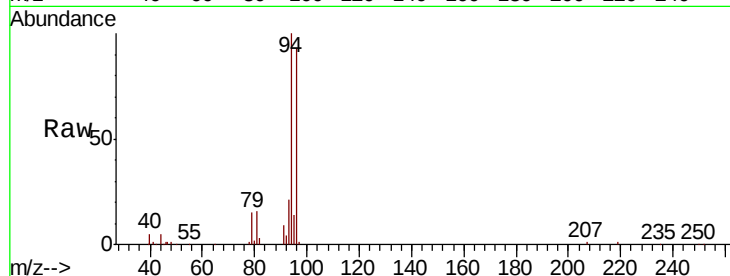
ClientSampleId :

Tot Ion: 94 Resp: 133390

Ion Ratio Lower Upper

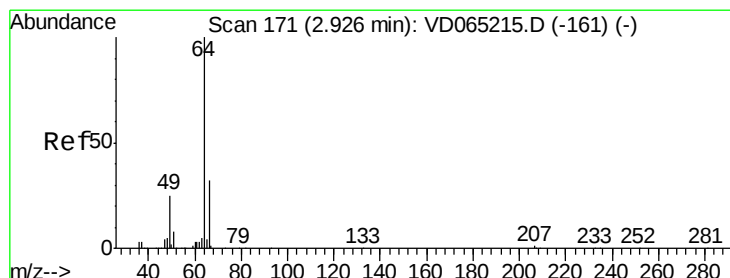
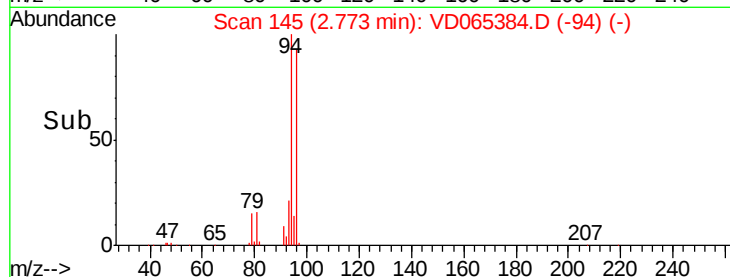
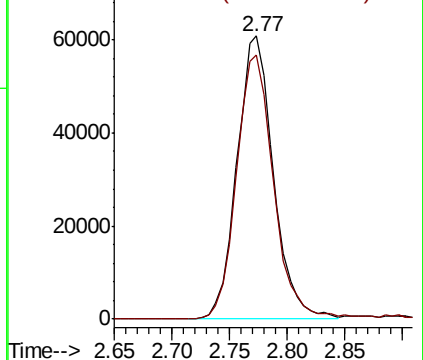
94 100

96 93.3 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: 44.877 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065384.D

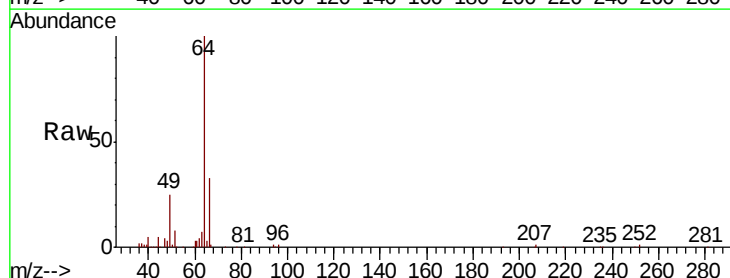
Acq: 03 Mar 2020 10:08

Tgt Ion: 64 Resp: 138885

Ion Ratio Lower Upper

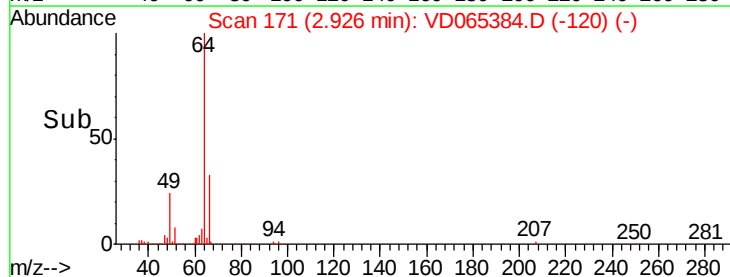
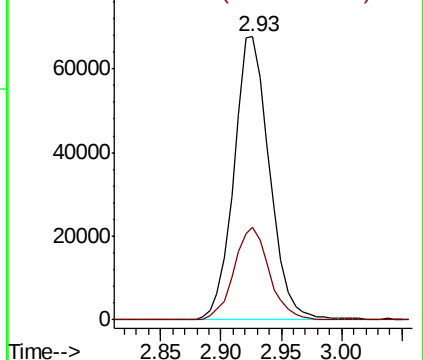
64 100

66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



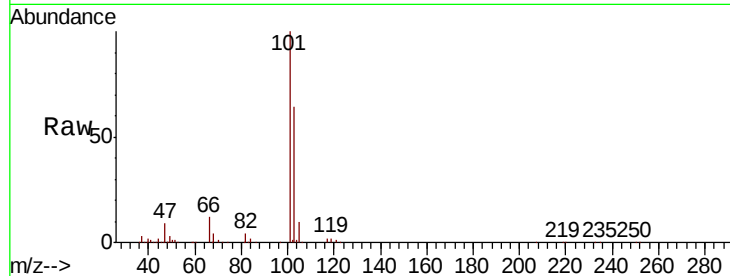


#7

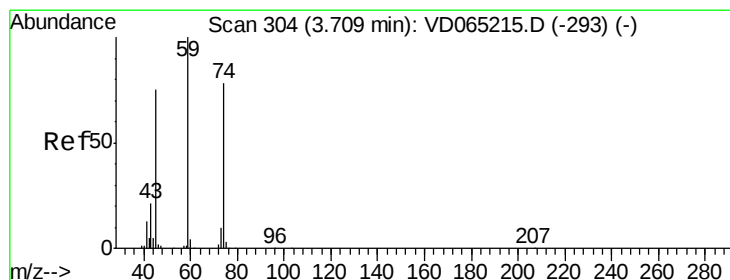
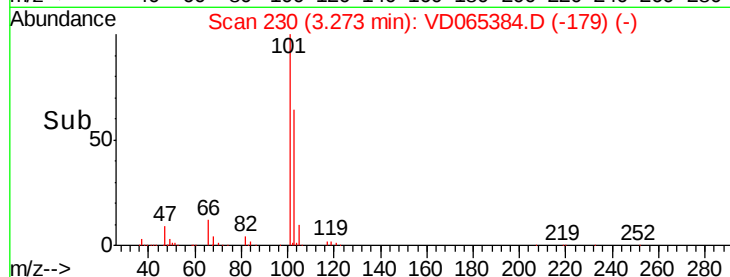
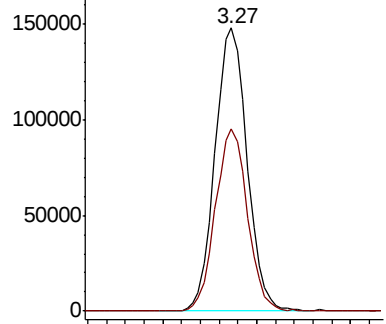
Trichlorofluoromethane
Concen: 48.098 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 349132
Ion Ratio Lower Upper
101 100
103 64.4 50.7 76.1



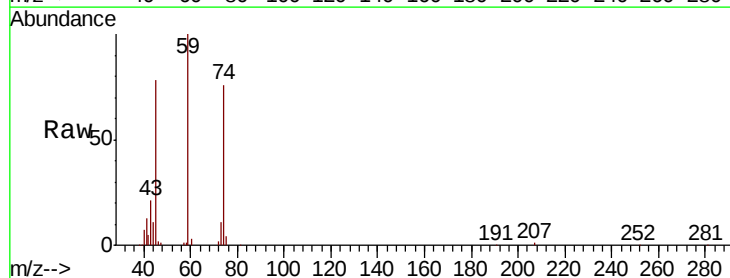
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



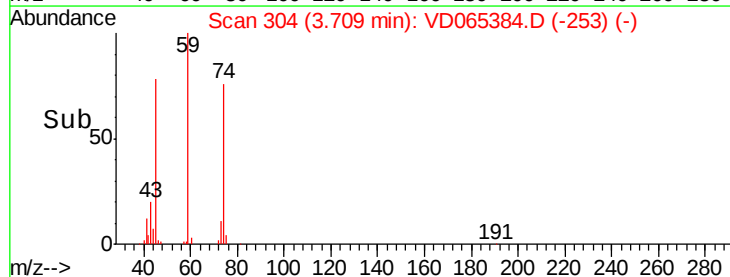
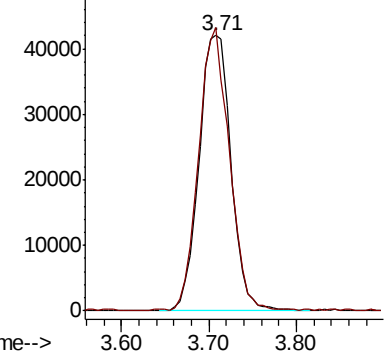
#8

Diethyl Ether
Concen: 47.466 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 74 Resp: 104002
Ion Ratio Lower Upper
74 100
45 99.4 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.395 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

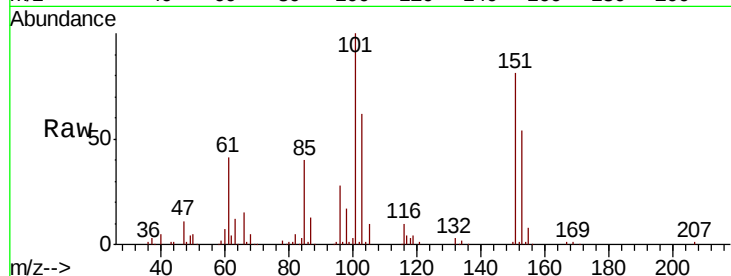
Tot Ion:101 Resp: 226425

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

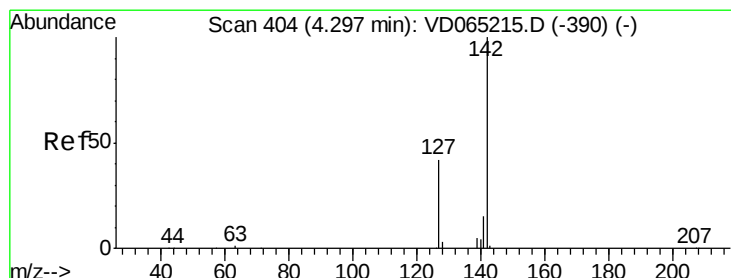
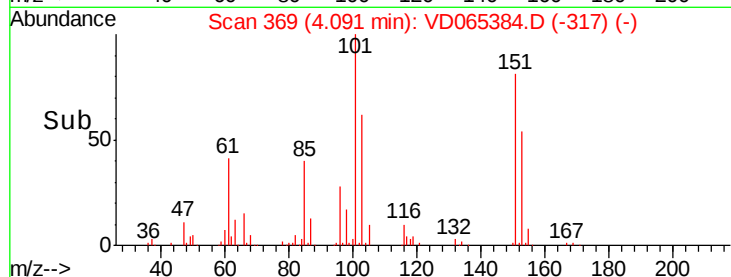
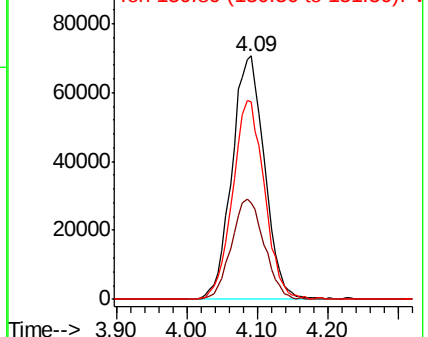
151 79.8 63.5 95.3



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: 50.396 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

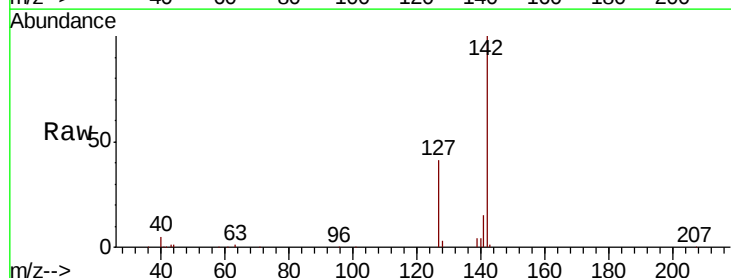
Tgt Ion:142 Resp: 239858

Ion Ratio Lower Upper

142 100

127 41.9 33.8 50.8

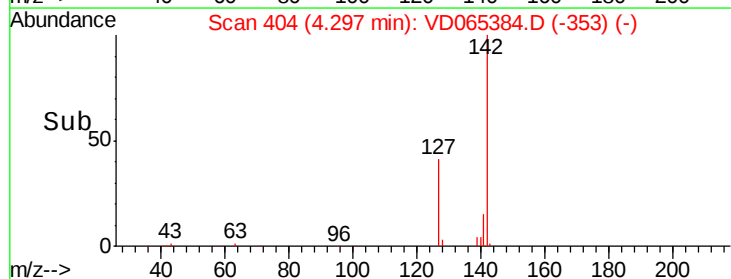
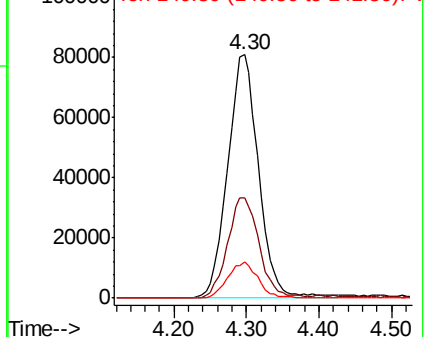
141 14.5 11.7 17.5

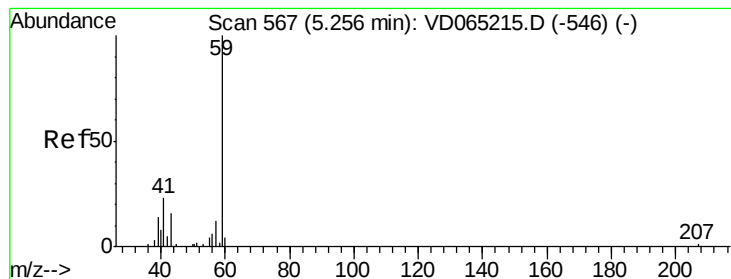


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



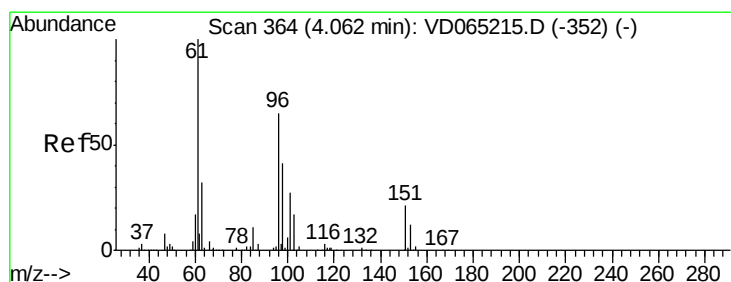
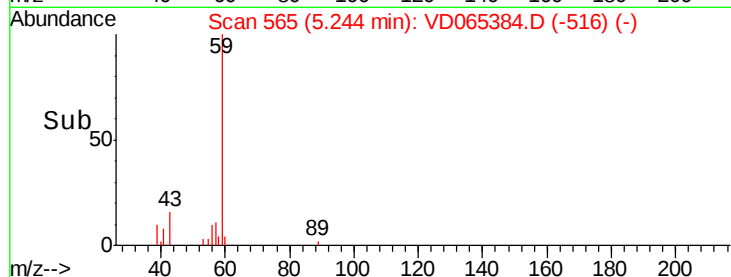
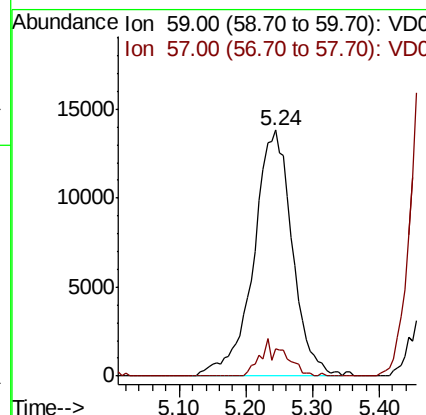
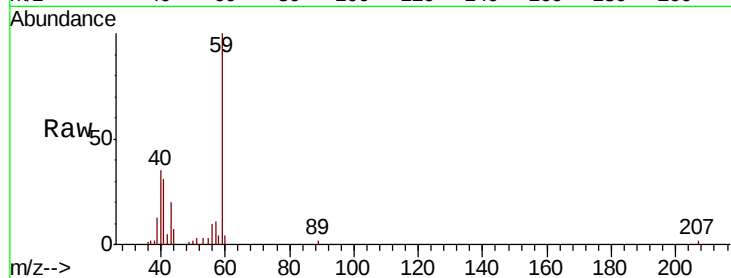


#11

Tert butyl alcohol
Concen: 220.009 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

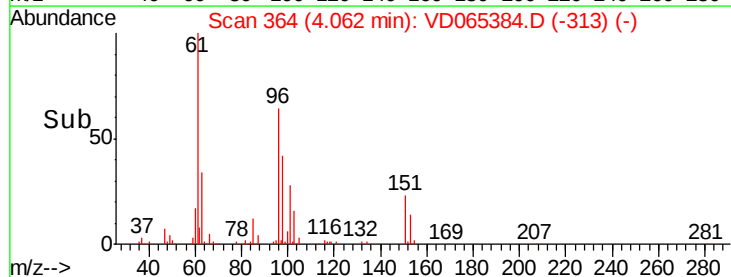
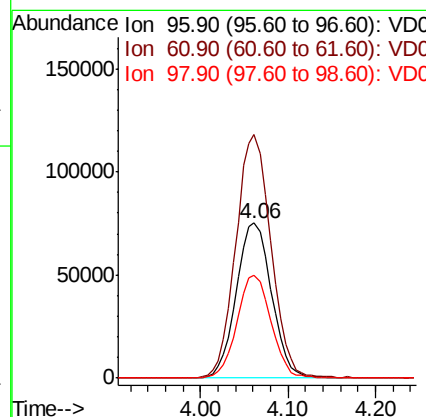
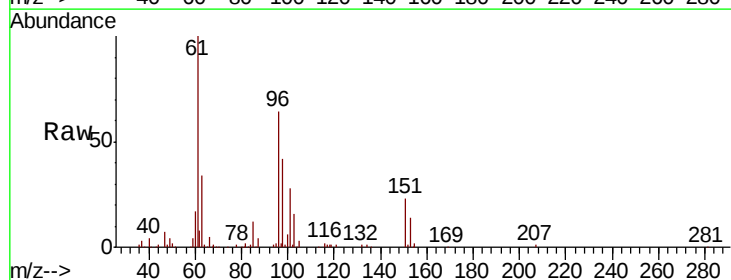
Tot Ion: 59 Resp: 55238
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

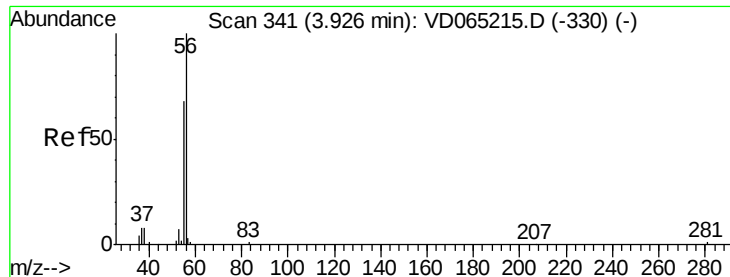


#12

1,1-Dichloroethene
Concen: 47.742 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 96 Resp: 206734
Ion Ratio Lower Upper
96 100
61 157.1 123.3 184.9
98 66.1 51.0 76.4





#13

Acrolein

Concen: 230.984 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

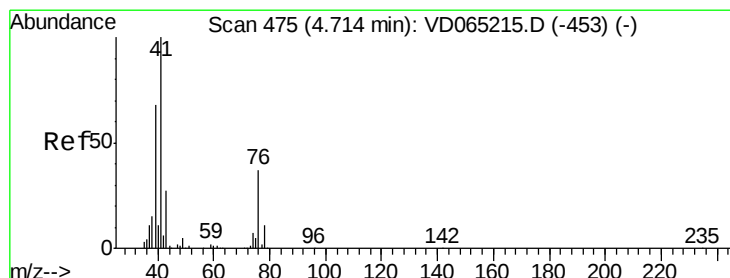
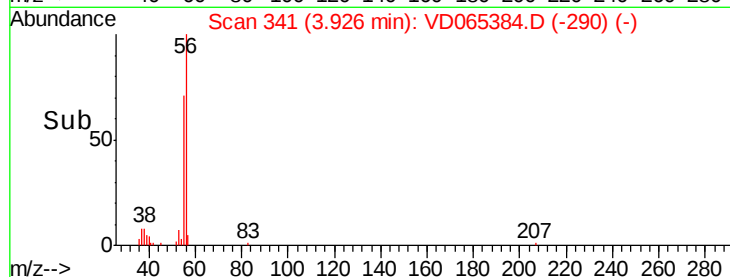
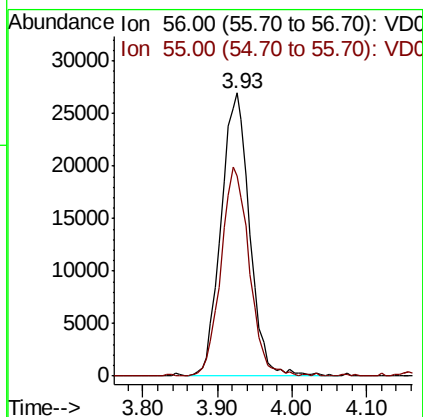
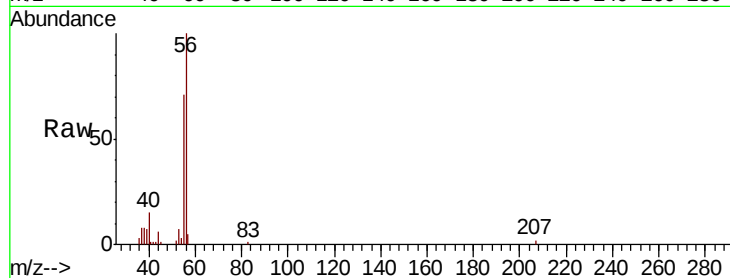
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 71722

Ion Ratio Lower Upper

56 100

55 73.1 56.6 85.0



#14

Allyl chloride

Concen: 46.120 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

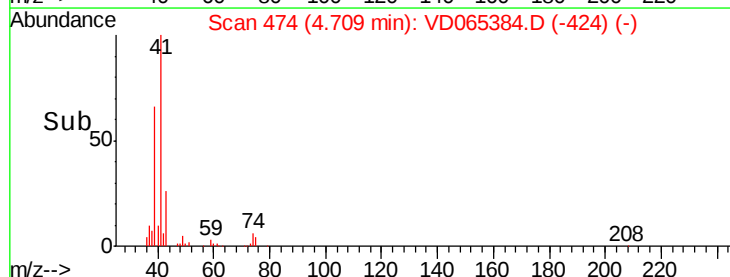
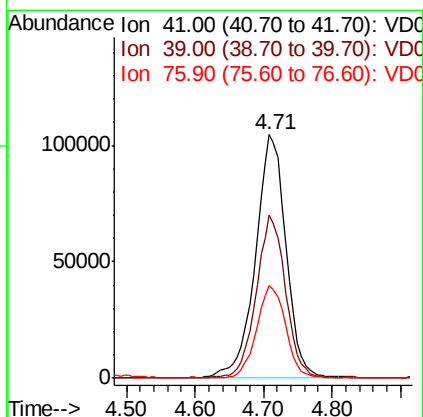
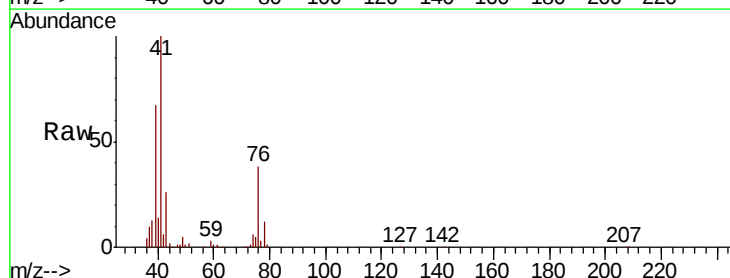
Tgt Ion: 41 Resp: 324310

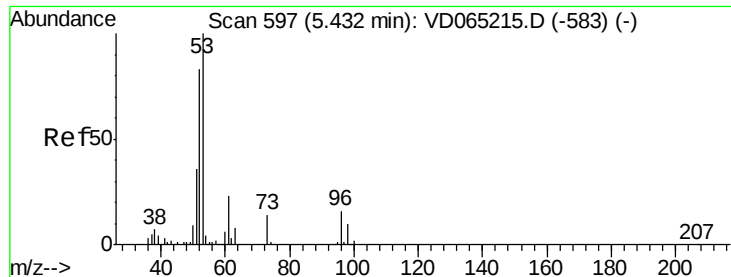
Ion Ratio Lower Upper

41 100

39 64.2 53.8 80.6

76 35.7 28.7 43.1





#15

Acrylonitrile

Concen: 239.040 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

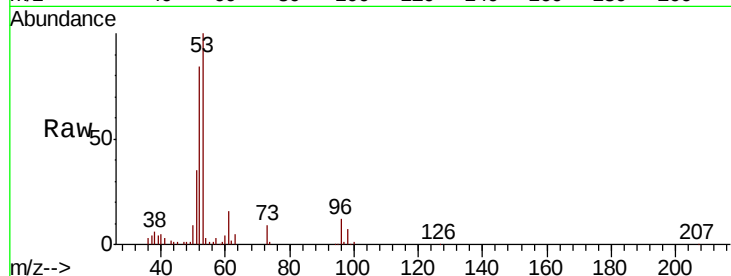
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 231887

Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.4	98.2
51	36.4	29.5	44.3

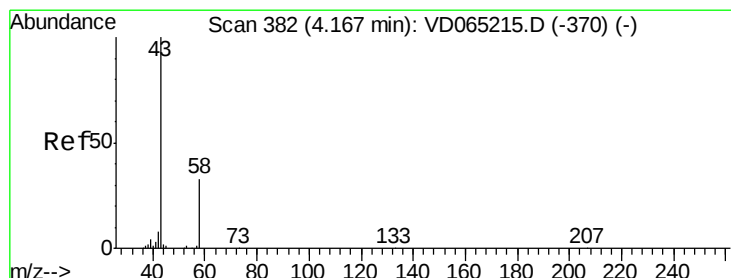
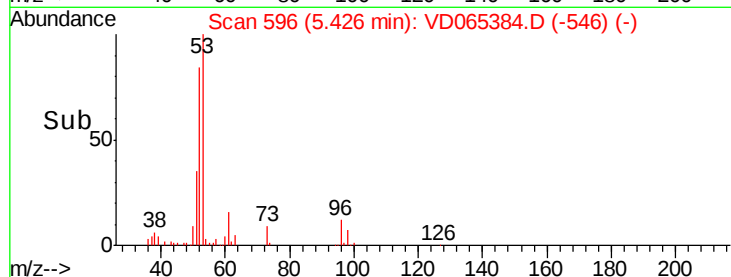
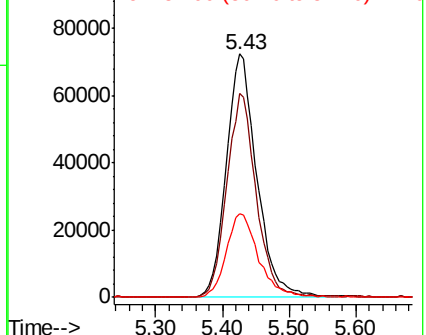


Abundance

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: 253.871 ug/l

RT: 4.16 min Scan# 381

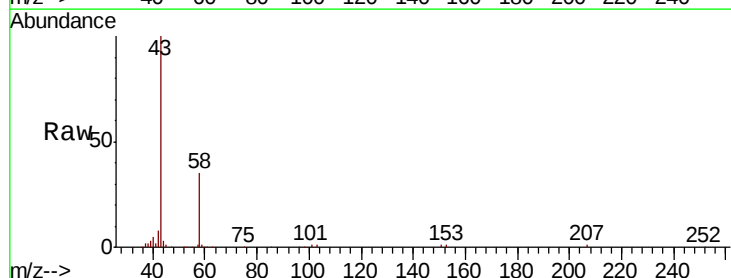
Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion: 43 Resp: 260745

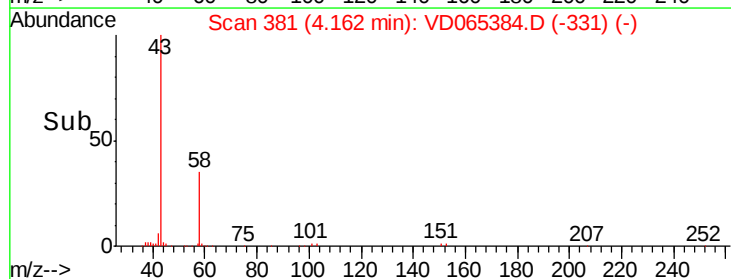
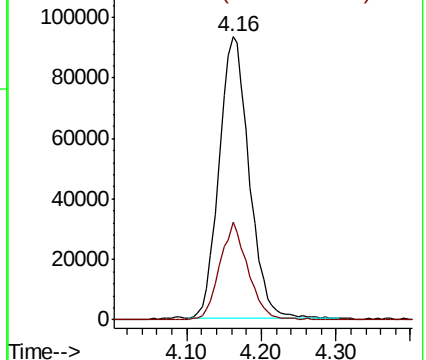
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.2	39.2

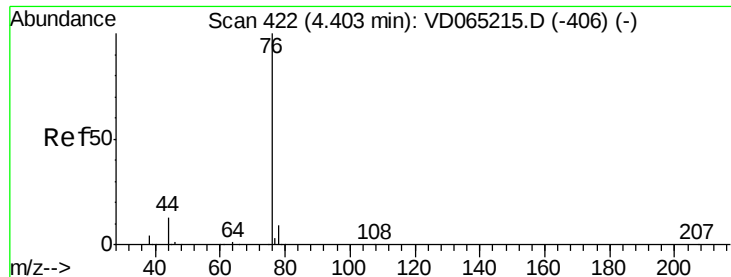


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

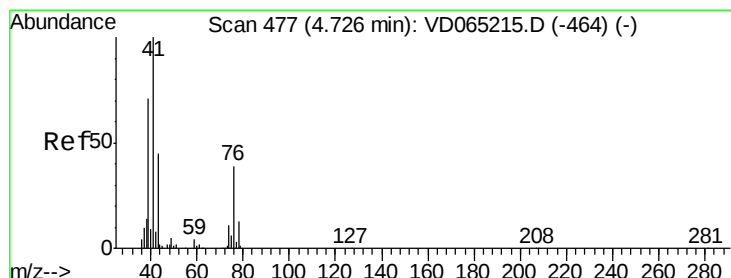
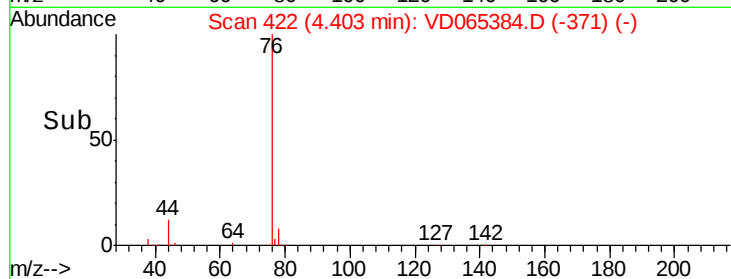
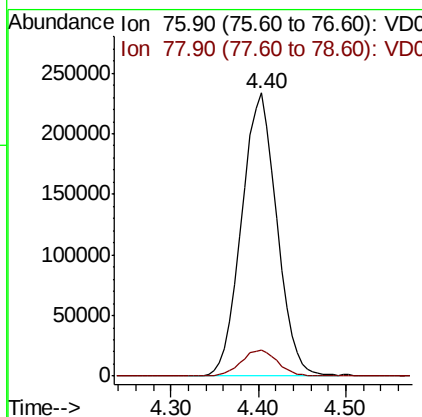
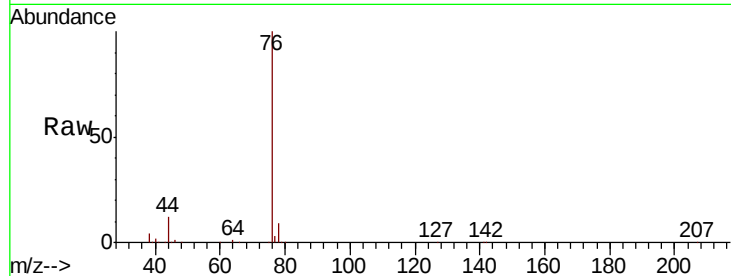




#17
Carbon Disulfide
Concen: 44.096 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

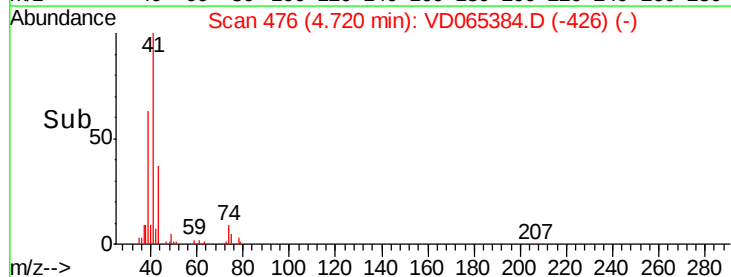
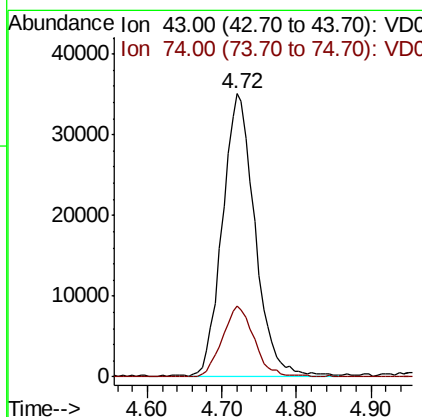
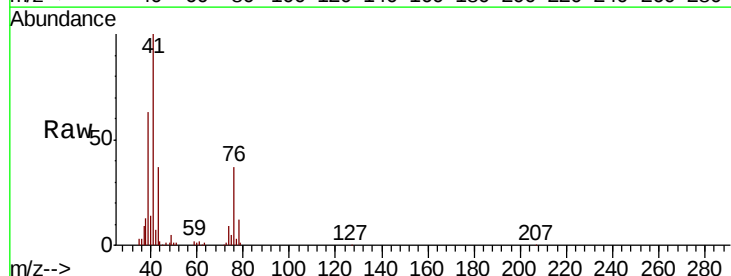
Instrument :
MSVOA_D
ClientSampled :

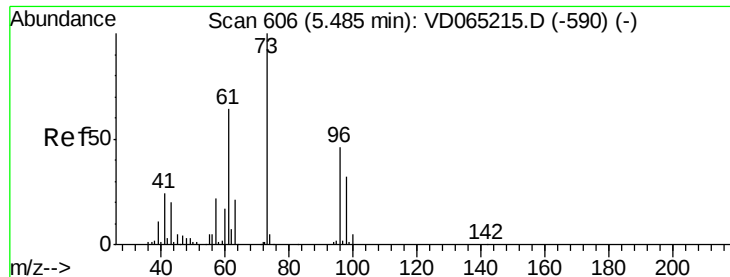
Tot Ion: 76 Resp: 640167
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 46.299 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 43 Resp: 106949
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



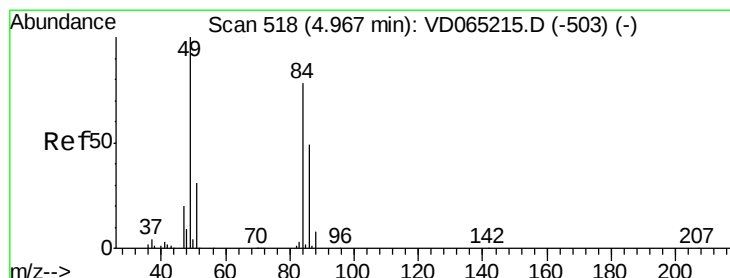
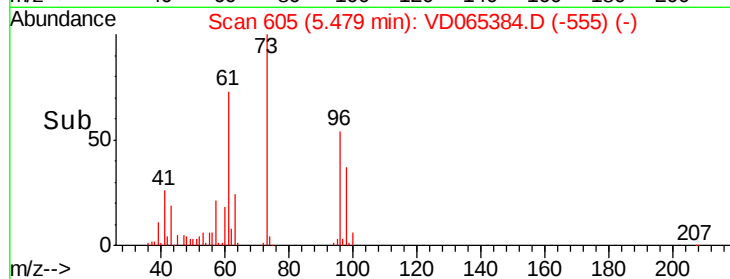
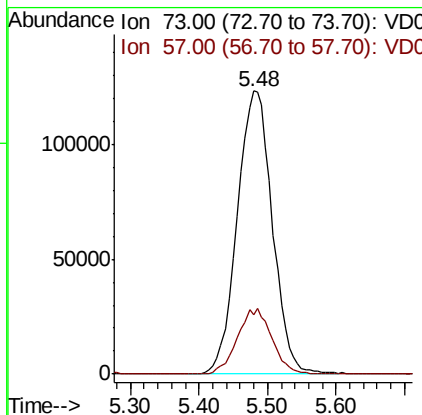
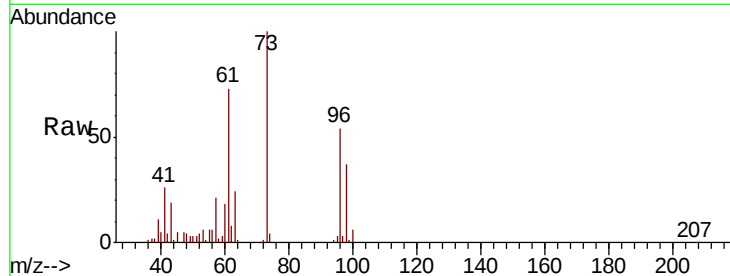


#19

Methyl tert-butyl Ether
 Concen: 48.483 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampled :

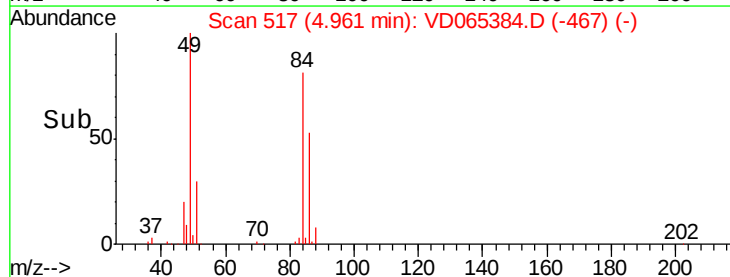
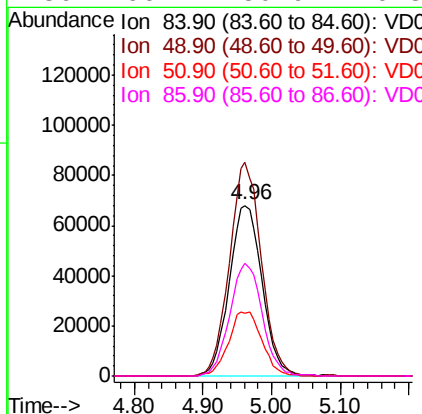
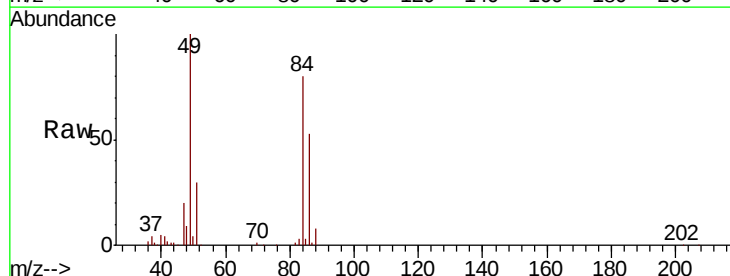
Tot Ion: 73 Resp: 437803
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.3 25.9

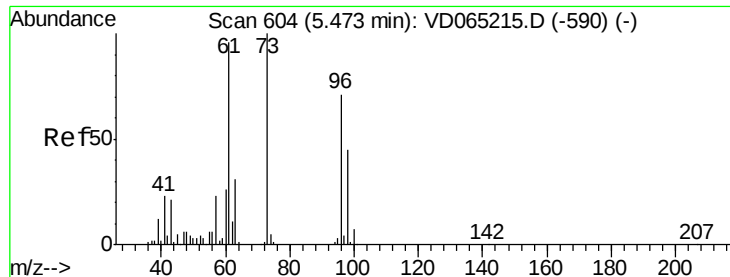


#20

Methylene Chloride
 Concen: 49.397 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion: 84 Resp: 226114
 Ion Ratio Lower Upper
 84 100
 49 125.0 103.1 154.7
 51 37.0 31.7 47.5
 86 66.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.609 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

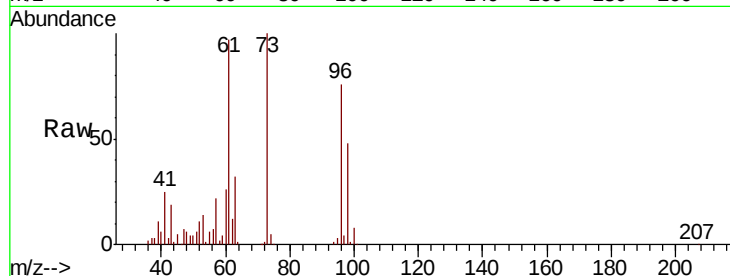
Tot Ion: 96 Resp: 239289

Ion Ratio Lower Upper

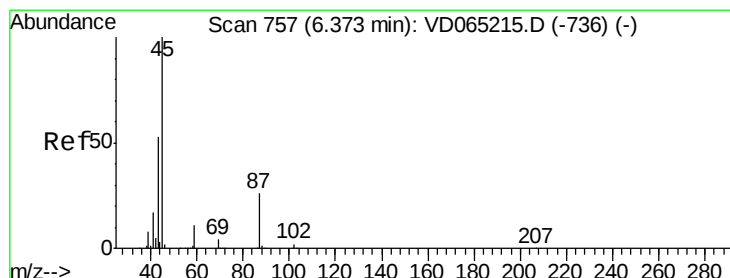
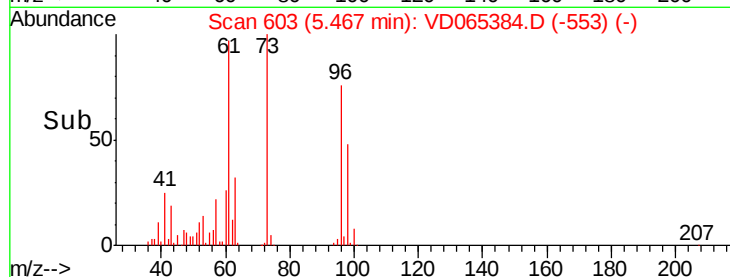
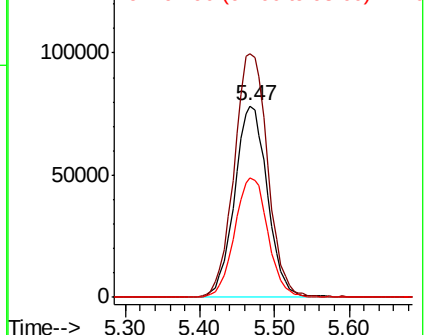
96 100

61 127.0 108.3 162.5

98 62.4 50.7 76.1



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



#22

Diisopropyl ether

Concen: 48.278 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion: 45 Resp: 654459

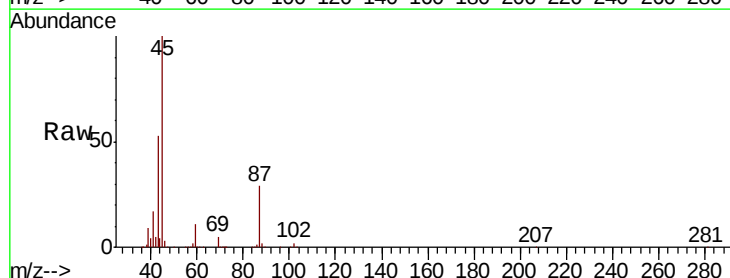
Ion Ratio Lower Upper

45 100

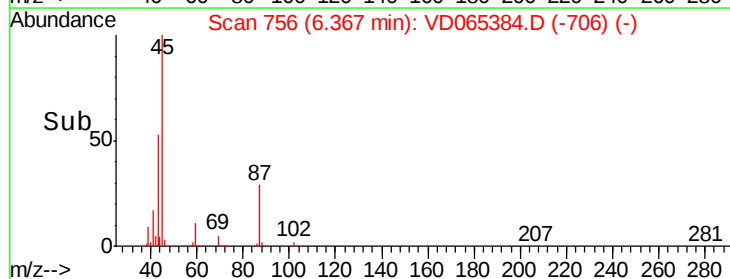
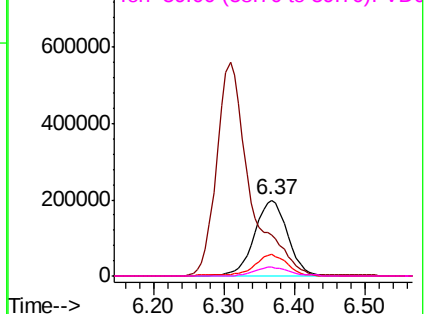
43 52.3 42.6 64.0

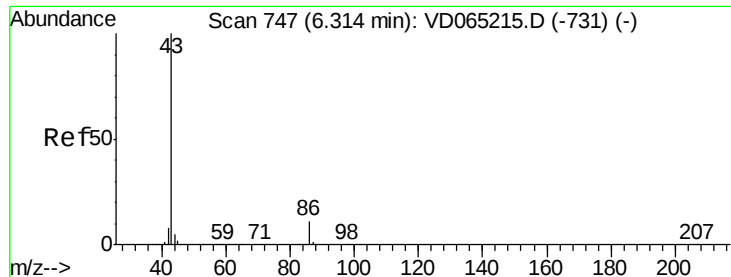
87 28.4 21.2 31.8

59 11.0 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: 245.479 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

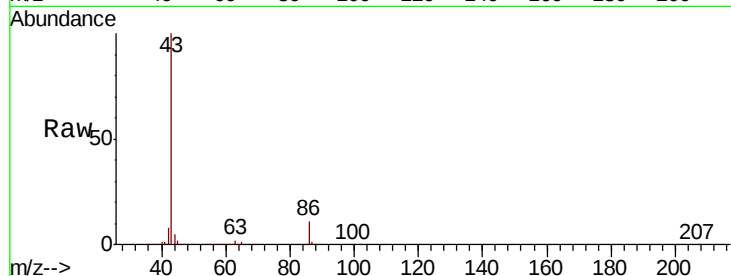
ClientSampled :

Tot Ion: 43 Resp: 1834542

Ion Ratio Lower Upper

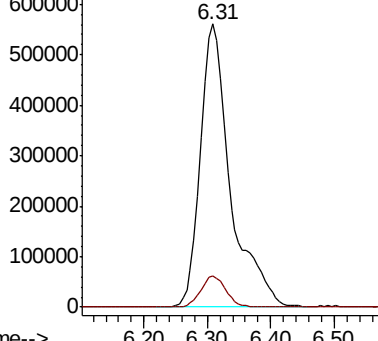
43 100

86 11.1 8.6 12.8

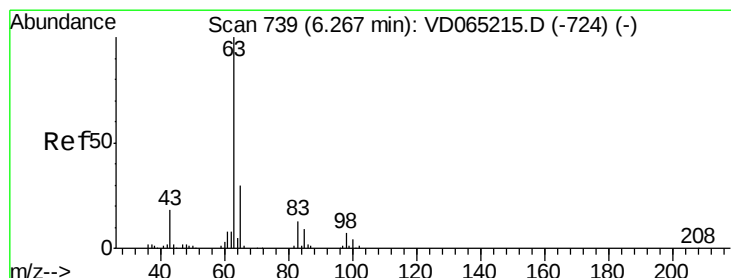
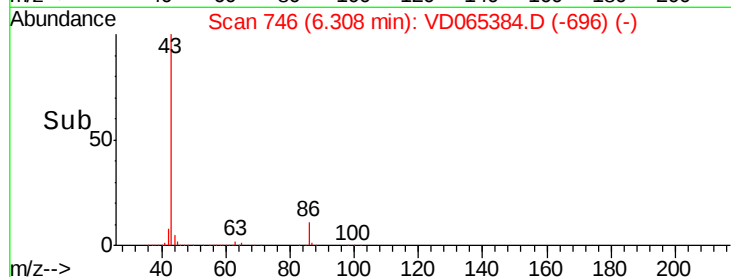


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 47.497 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

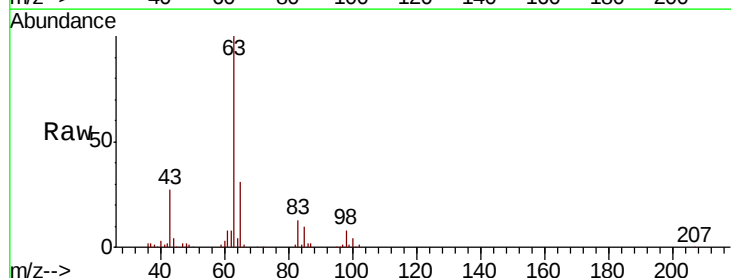
Tgt Ion: 63 Resp: 399369

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

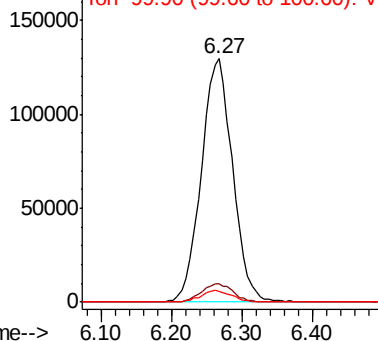
100 4.4 2.3 6.8



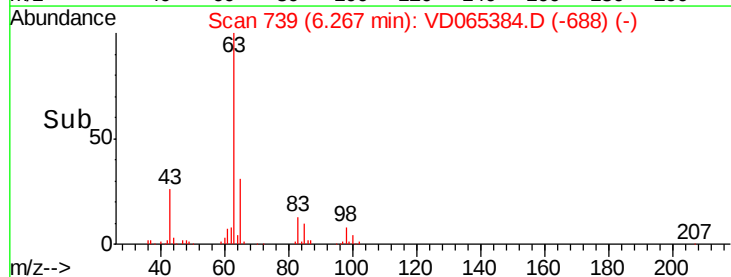
Abundance Ion 62.90 (62.60 to 63.60): VDC

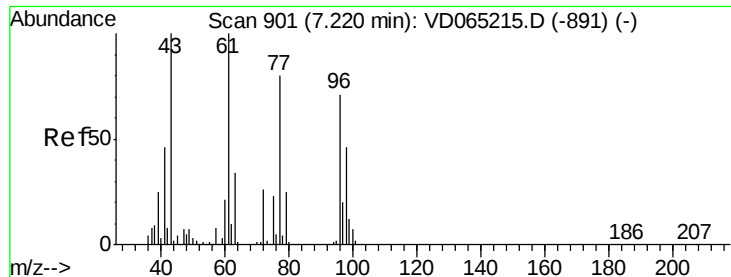
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 242.891 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

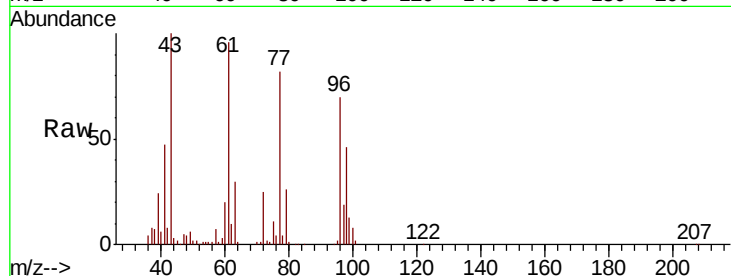
ClientSampled :

Tot Ion: 43 Resp: 315632

Ion Ratio Lower Upper

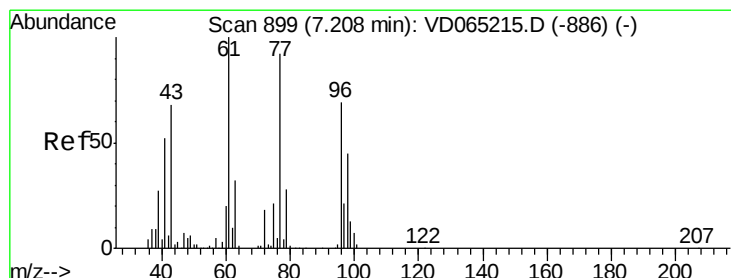
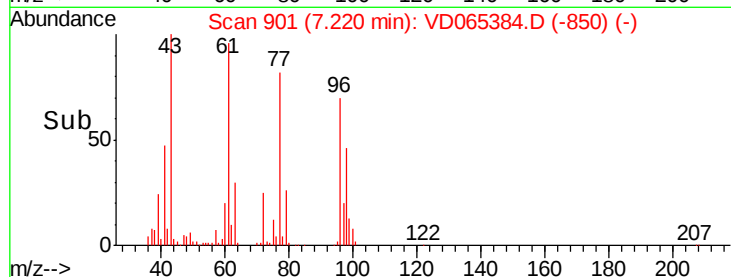
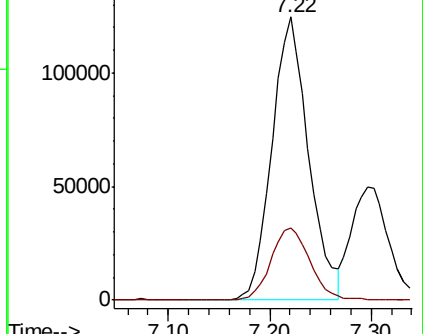
43 100

72 25.3 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: 48.158 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065384.D

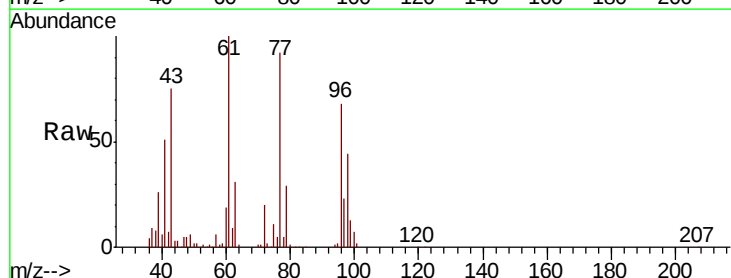
Acq: 03 Mar 2020 10:08

Tgt Ion: 77 Resp: 351329

Ion Ratio Lower Upper

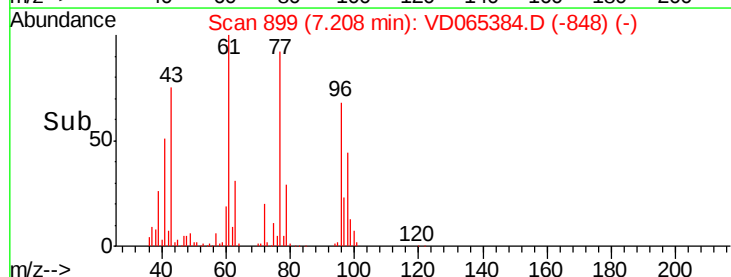
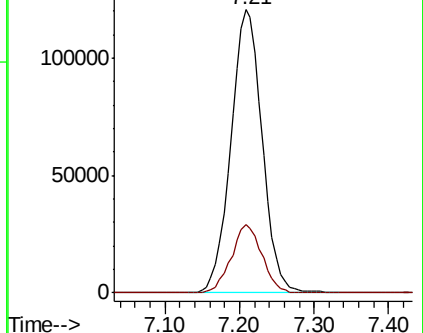
77 100

97 23.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



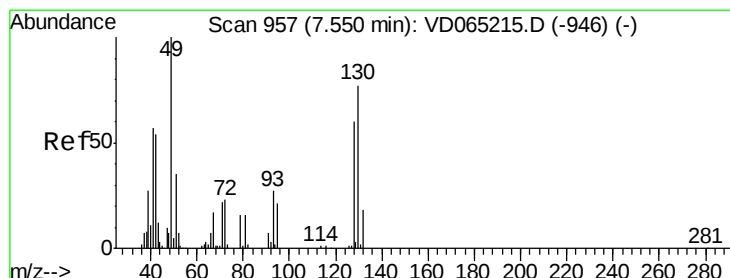
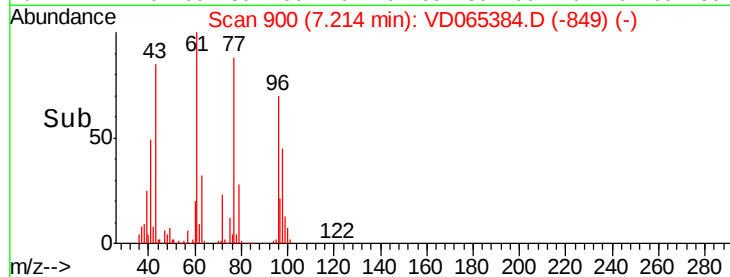
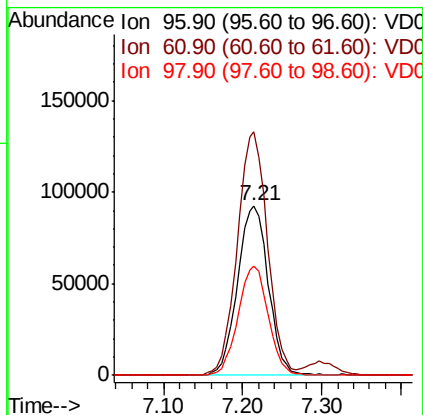
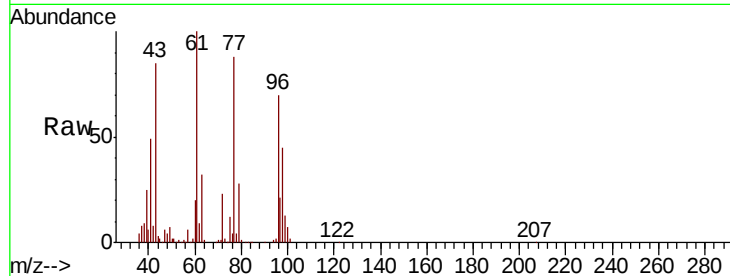


#27

cis-1,2-Dichloroethene
 Concen: 47.887 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :

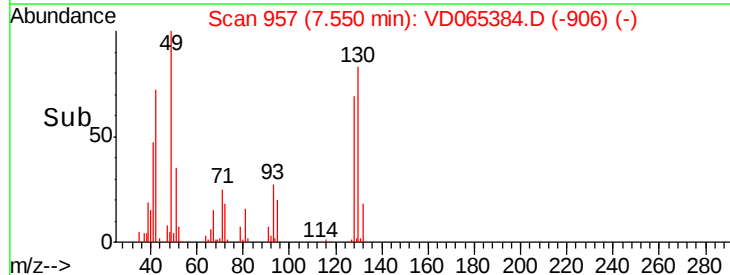
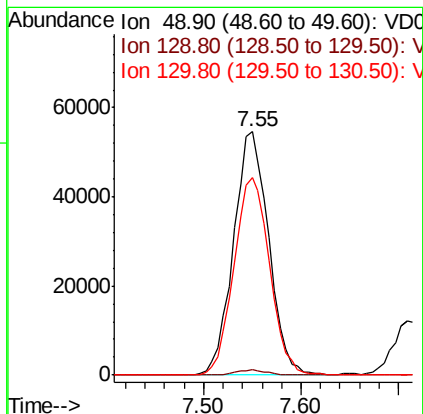
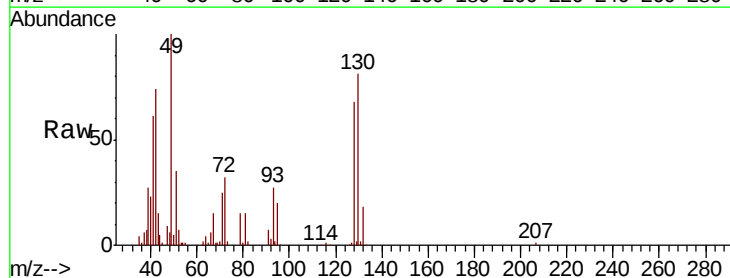
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	286.0
98	63.1	0.0	127.8

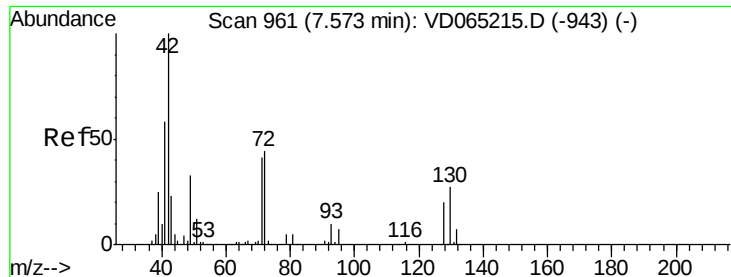


#28

Bromochloromethane
 Concen: 44.051 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	82.6	64.7	97.1

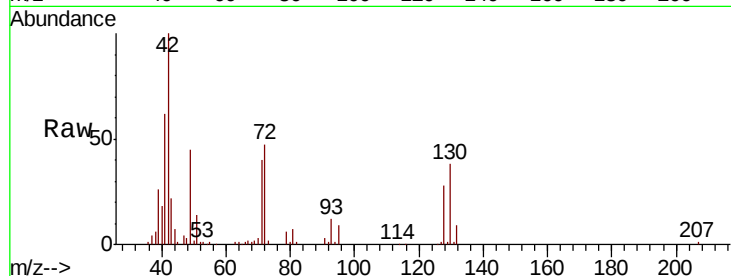




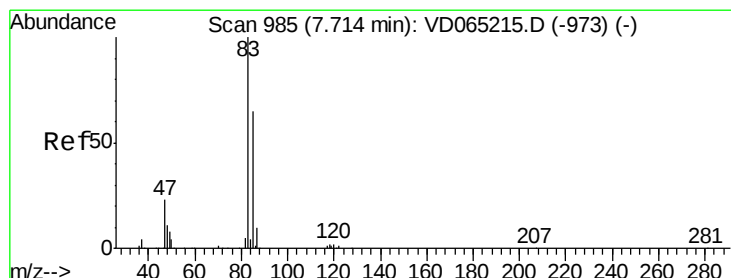
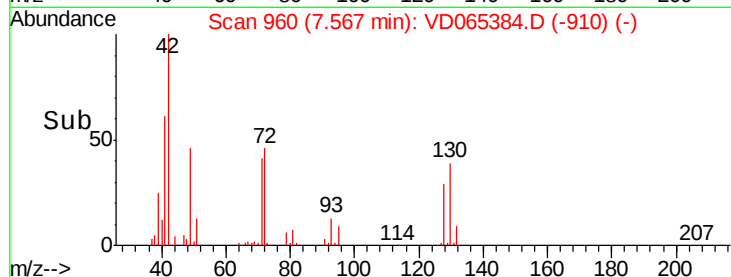
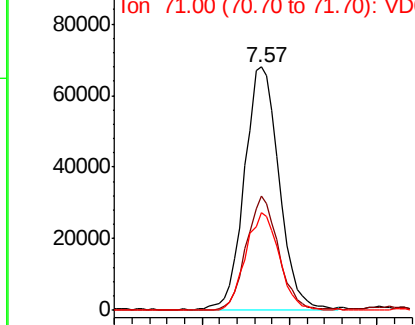
#29
Tetrahydrofuran
Concen: 241.672 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 184008
Ion Ratio Lower Upper
42 100
72 43.6 33.7 50.5
71 38.7 31.4 47.2

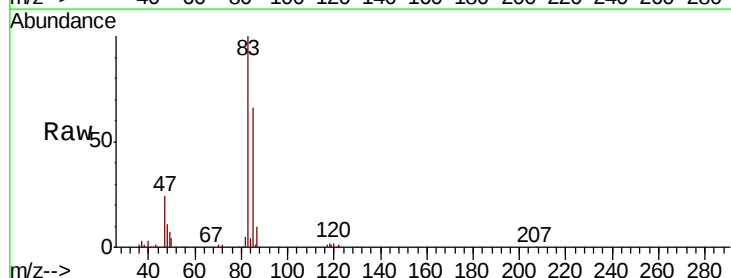


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

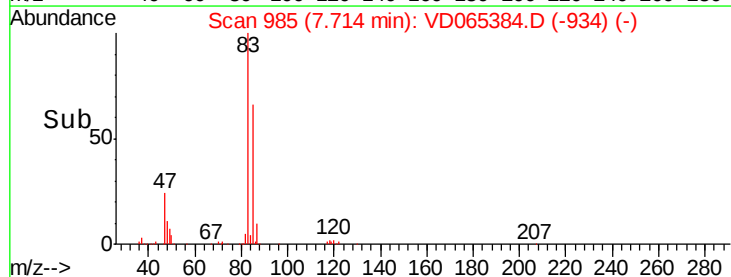
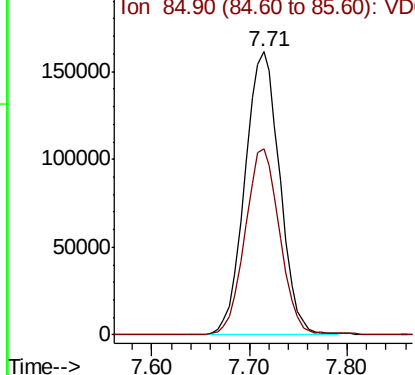


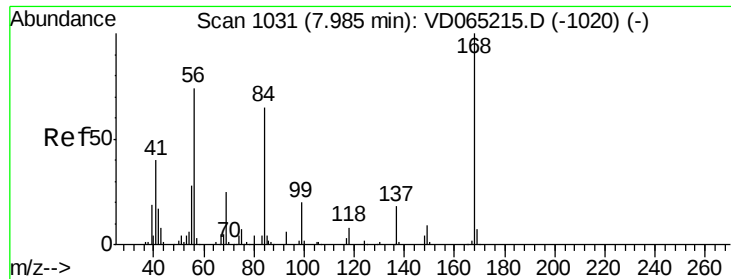
#30
Chloroform
Concen: 47.755 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 83 Resp: 404534
Ion Ratio Lower Upper
83 100
85 65.7 52.3 78.5



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

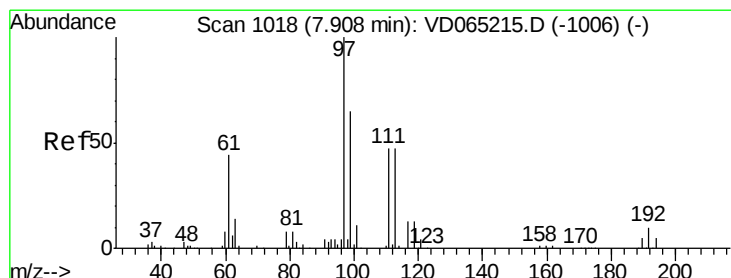
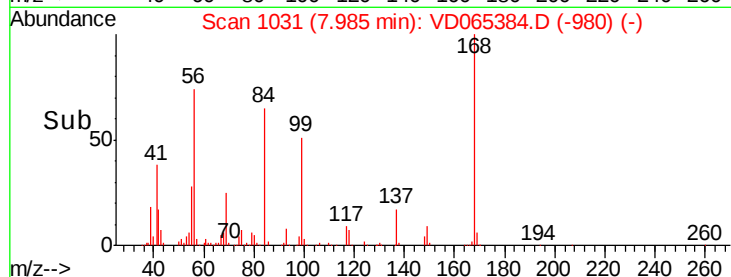
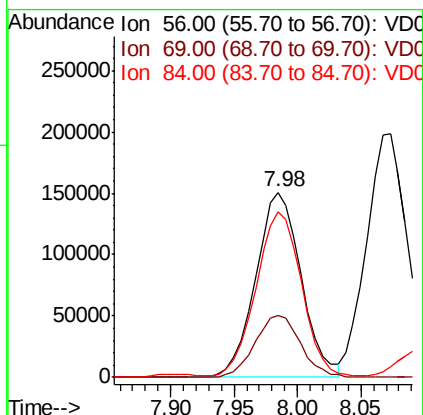
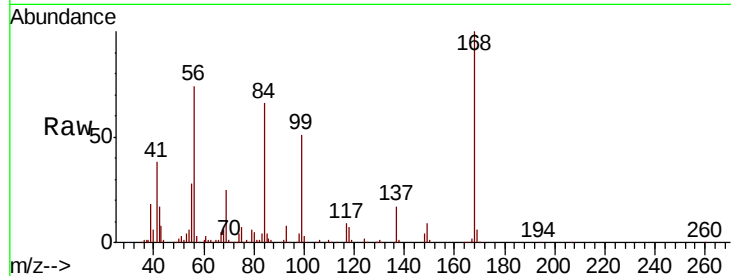




#31
Cyclohexane
Concen: 45.511 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

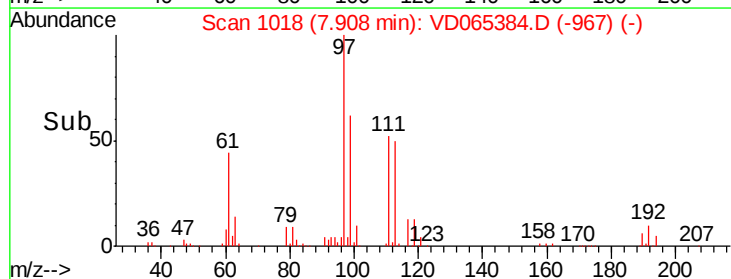
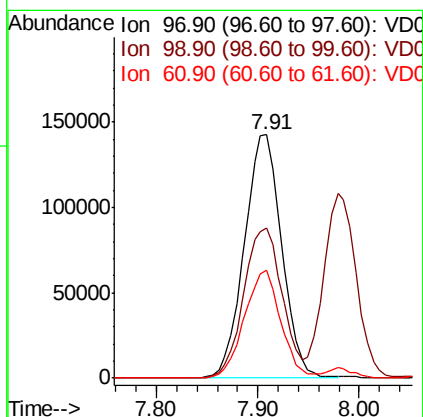
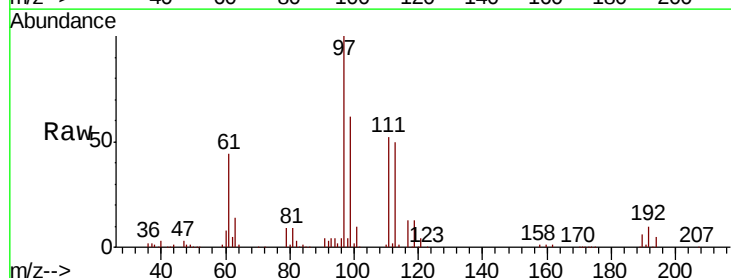
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 375986
Ion Ratio Lower Upper
56 100
69 33.7 27.4 41.0
84 88.0 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 48.093 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 97 Resp: 364506
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 43.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 47.054 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

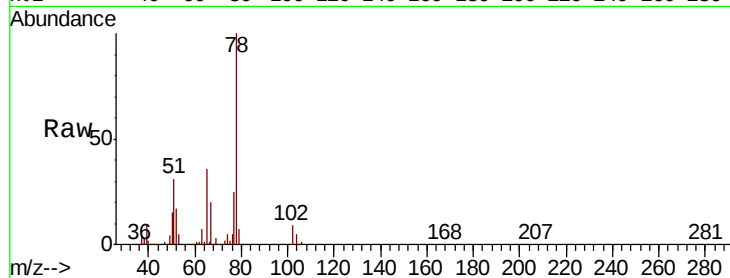
ClientSampleId :

Tot Ion: 65 Resp: 197704

Ion Ratio Lower Upper

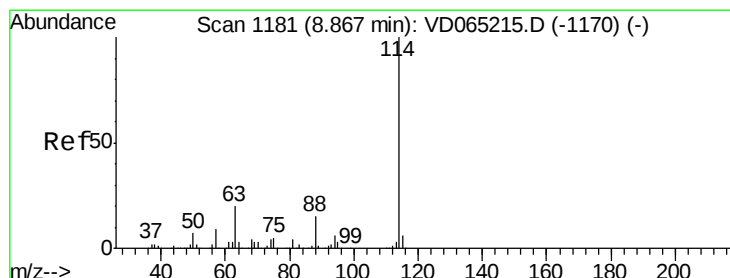
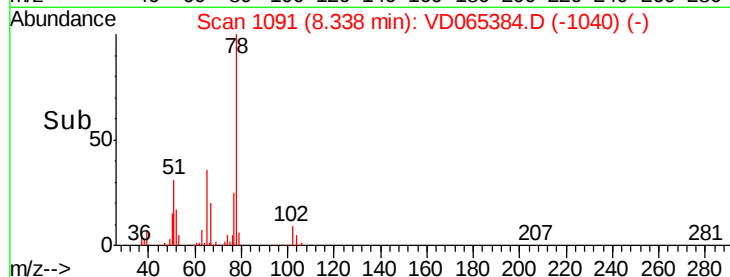
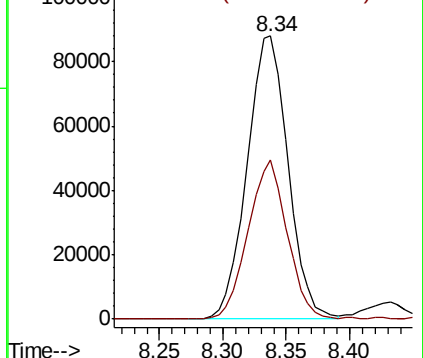
65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

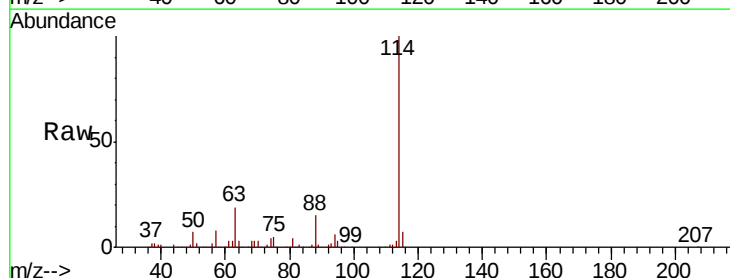
Tgt Ion: 114 Resp: 664414

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

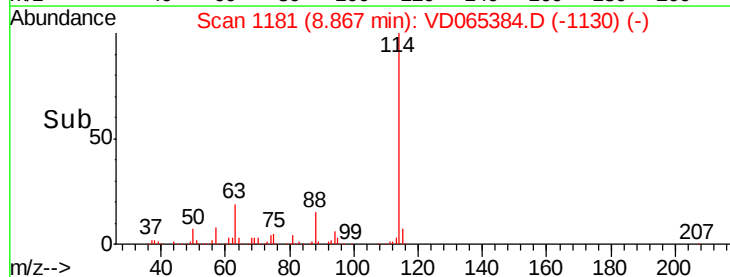
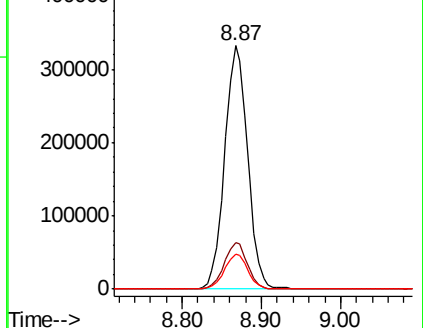
88 14.6 0.0 30.4

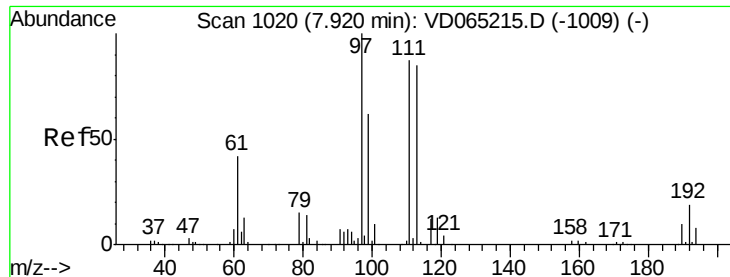


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

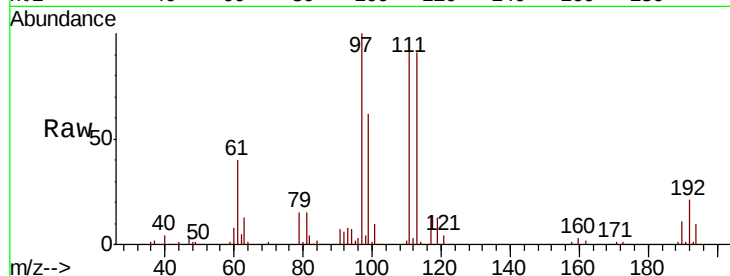




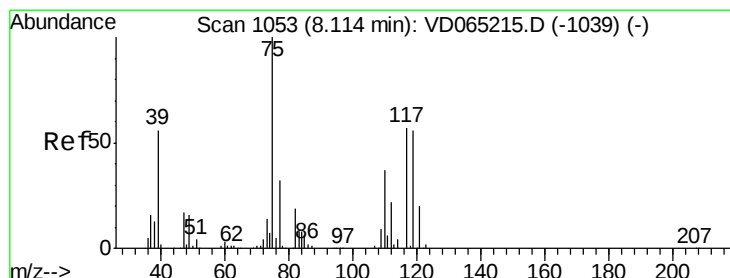
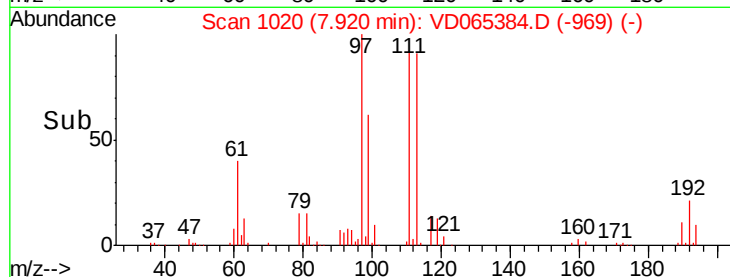
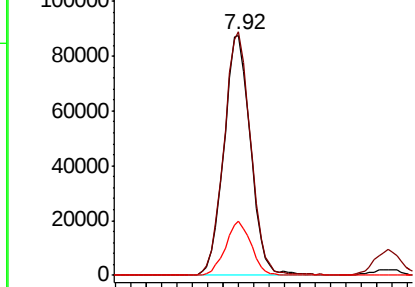
#35
Dibromofluoromethane
Concen: 51.970 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 210541
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 21.7 17.3 25.9

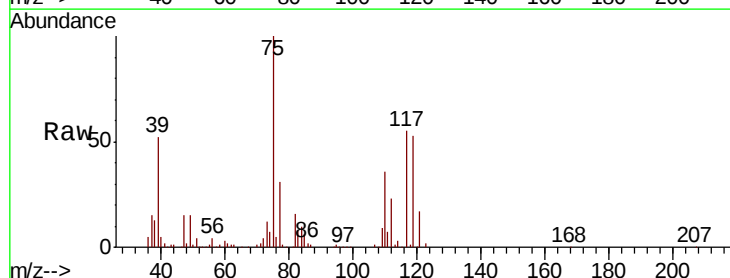


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

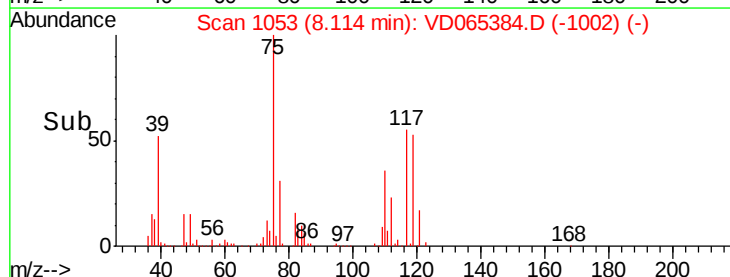
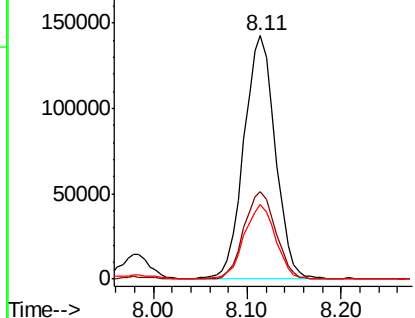


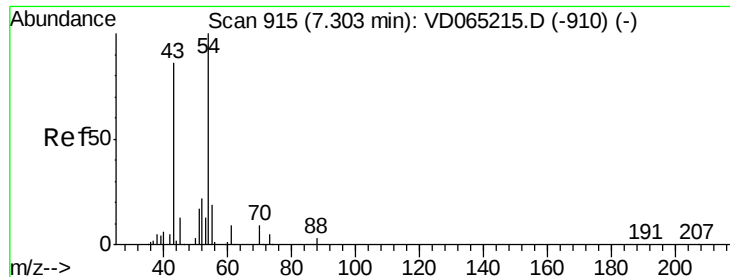
#36
1,1-Dichloropropene
Concen: 50.763 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 75 Resp: 328170
Ion Ratio Lower Upper
75 100
110 36.7 17.9 53.7
77 31.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 48.796 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

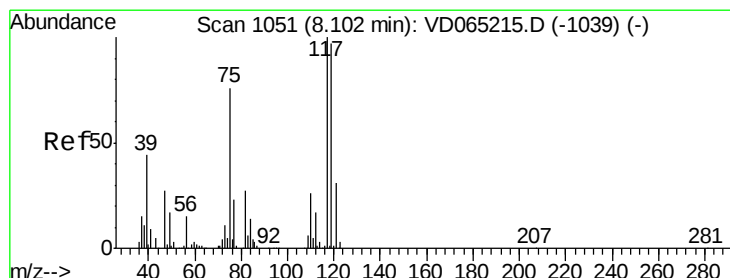
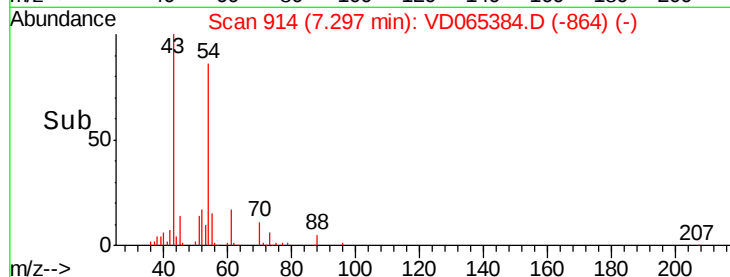
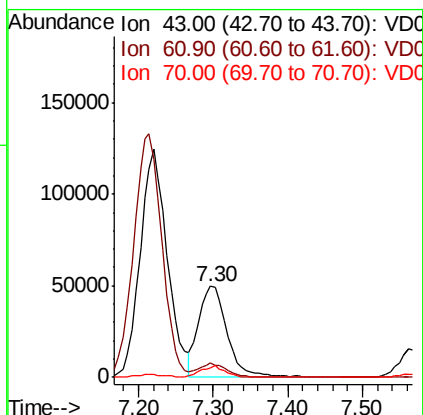
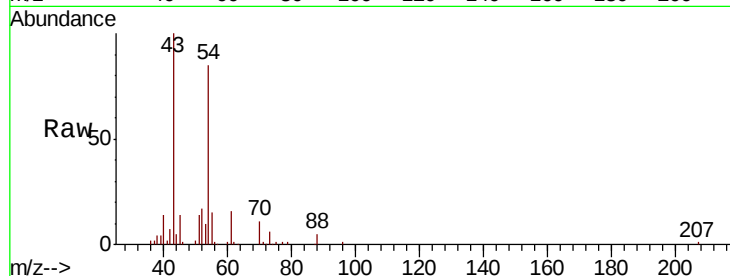
Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 131876

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.2	16.8
70	10.9	8.2	12.2



#38

Carbon Tetrachloride

Concen: 51.392 ug/l

RT: 8.10 min Scan# 1050

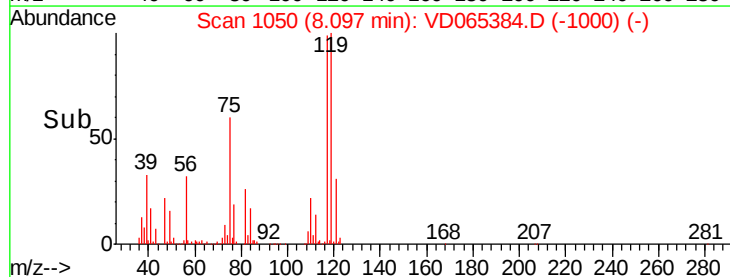
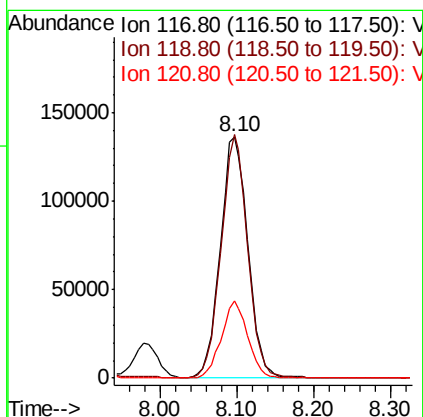
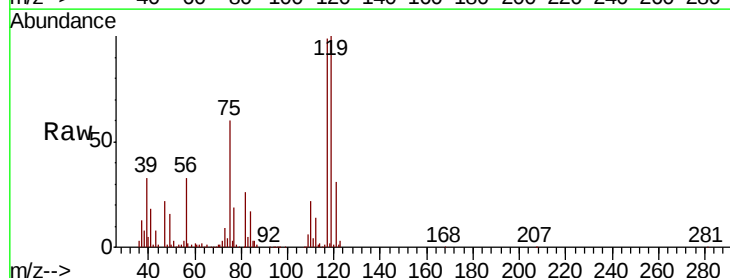
Delta R.T. -0.01 min

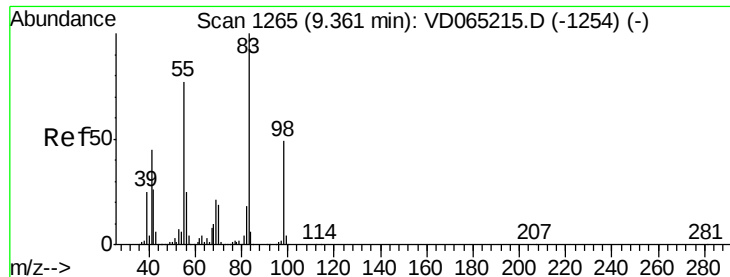
Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion: 117 Resp: 338215

Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.6	116.4
121	31.8	24.8	37.2

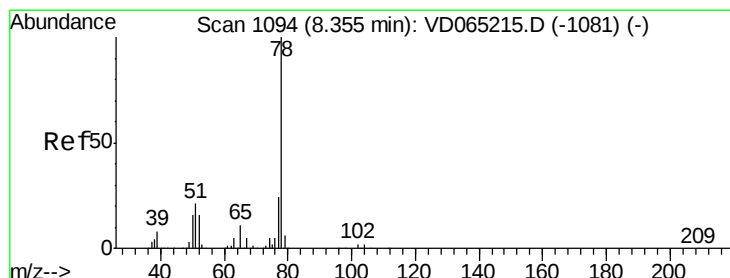
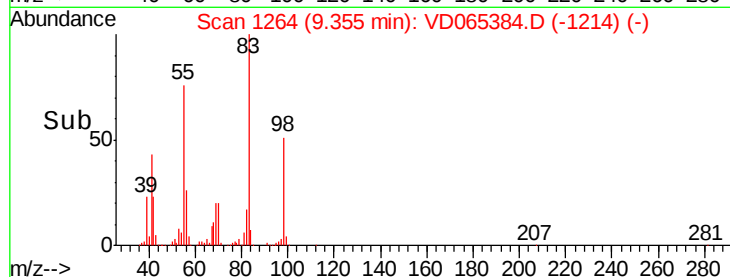
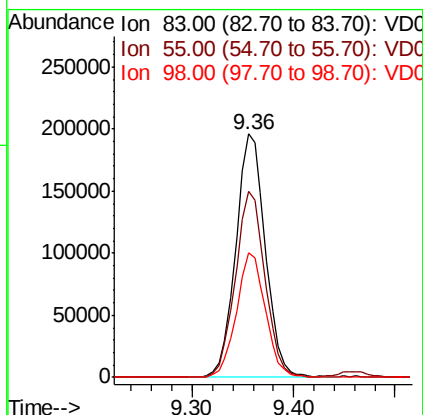
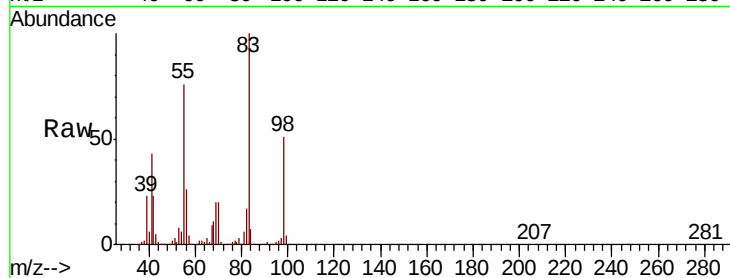




#39
Methvlcvclohexane
Concen: 52.132 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

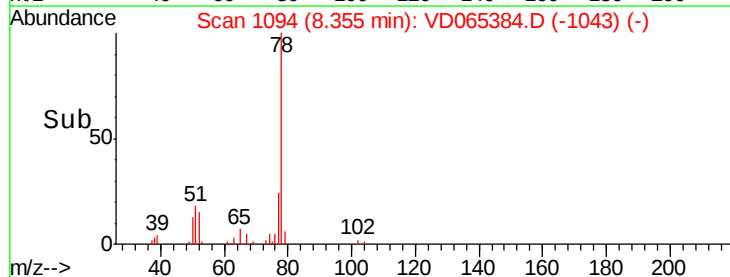
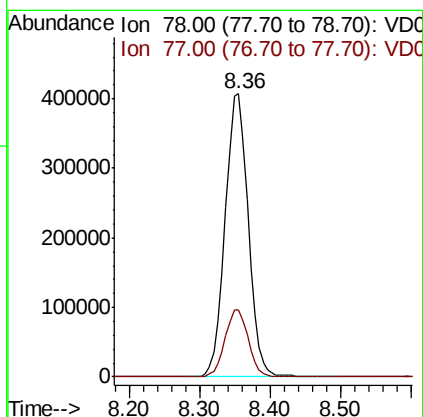
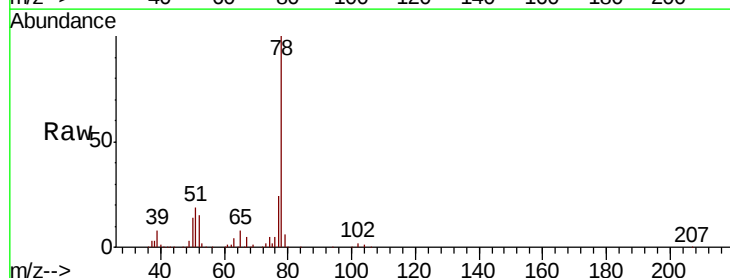
Instrument :
MSVOA_D
ClientSampled :

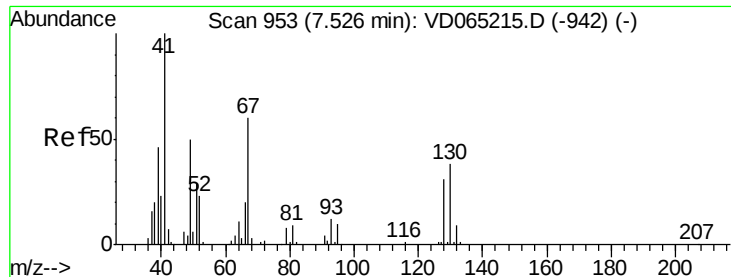
Tot Ion: 83 Resp: 396216
Ion Ratio Lower Upper
83 100
55 76.3 61.8 92.6
98 51.0 39.4 59.0



#40
Benzene
Concen: 50.798 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 78 Resp: 926942
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#41

Methacrylonitrile

Concen: 48.003 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 74907

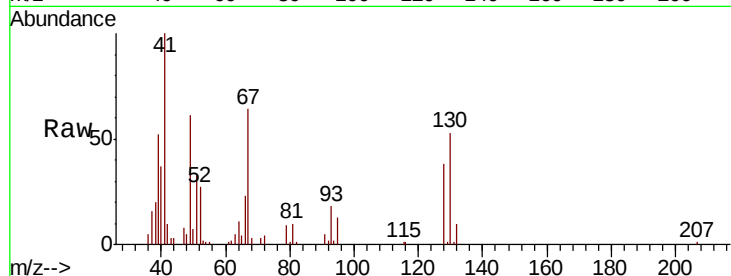
Ion Ratio Lower Upper

41 100

39 60.8 48.1 72.1

67 73.1 58.9 88.3

52 30.8 24.2 36.2

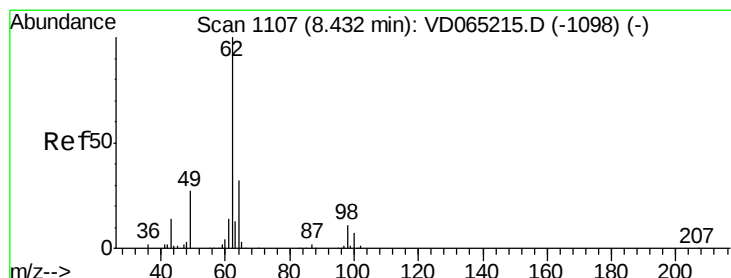
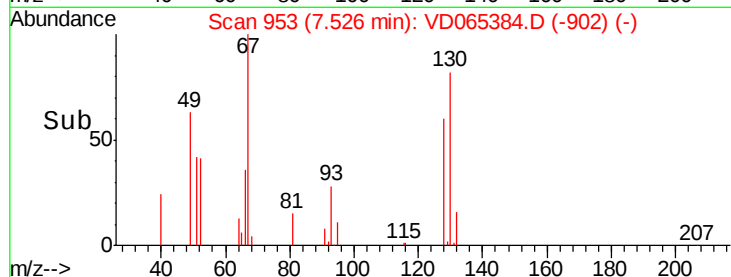
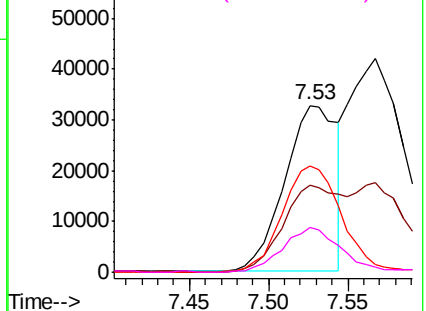


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.537 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065384.D

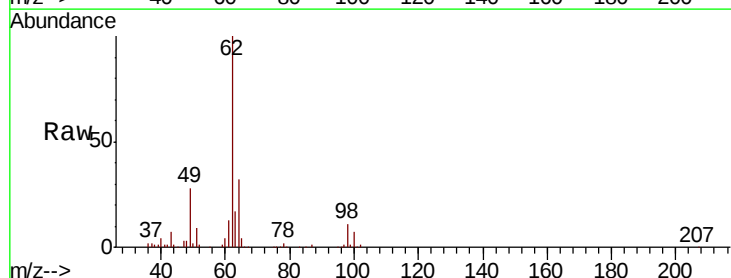
Acq: 03 Mar 2020 10:08

Tgt Ion: 62 Resp: 243485

Ion Ratio Lower Upper

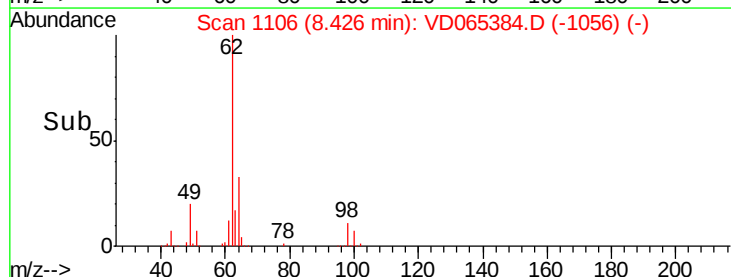
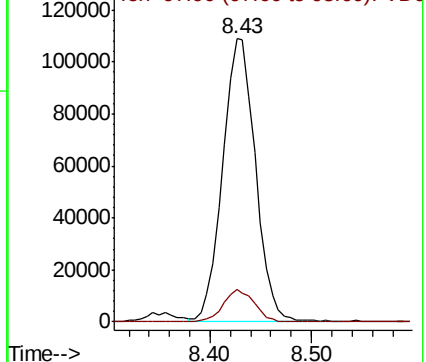
62 100

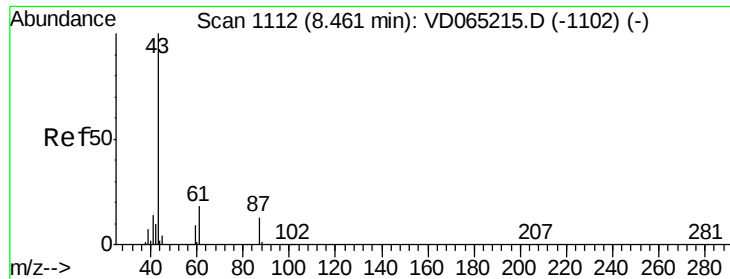
98 10.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.142 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

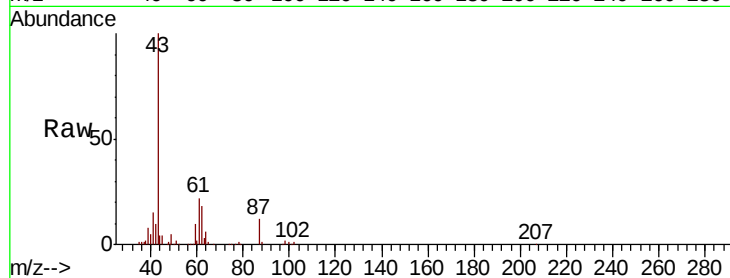
Tot Ion: 43 Resp: 236597

Ion Ratio Lower Upper

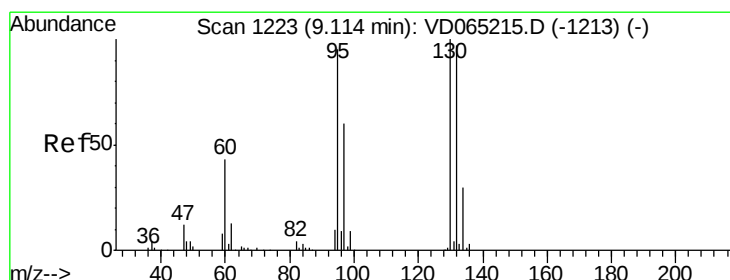
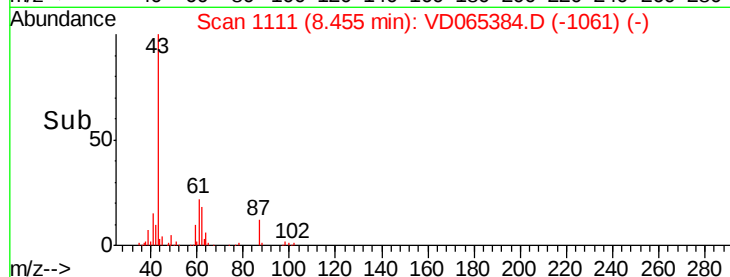
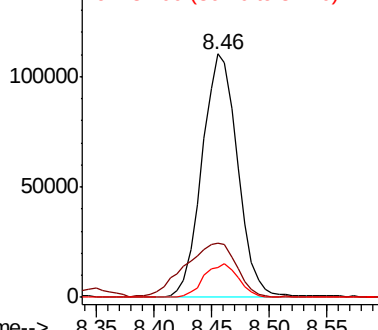
43 100

61 32.3 24.6 36.8

87 13.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
150000 Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.761 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065384.D

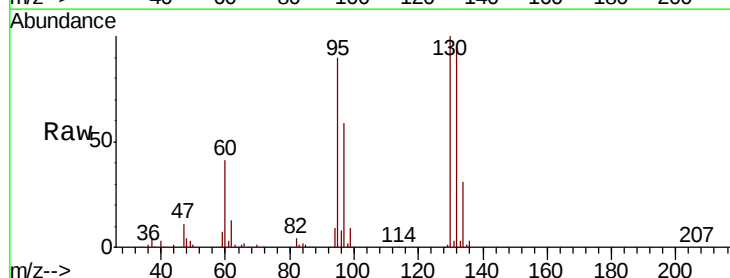
Acq: 03 Mar 2020 10:08

Tgt Ion:130 Resp: 256755

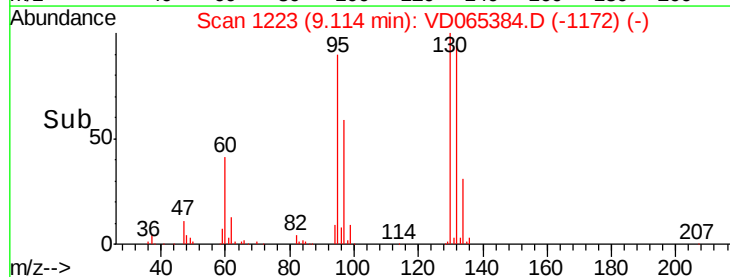
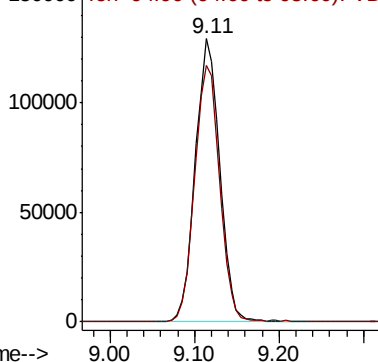
Ion Ratio Lower Upper

130 100

95 90.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
150000 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.237 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

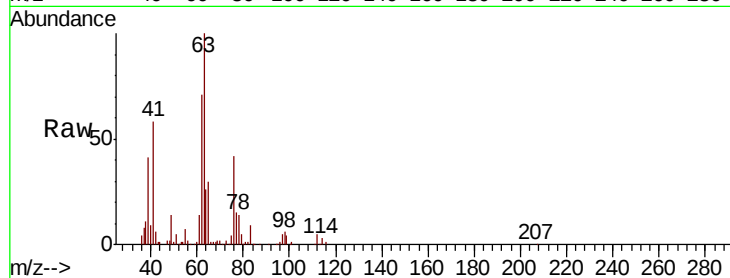
ClientSampleId :

Tot Ion: 63 Resp: 227945

Ion Ratio Lower Upper

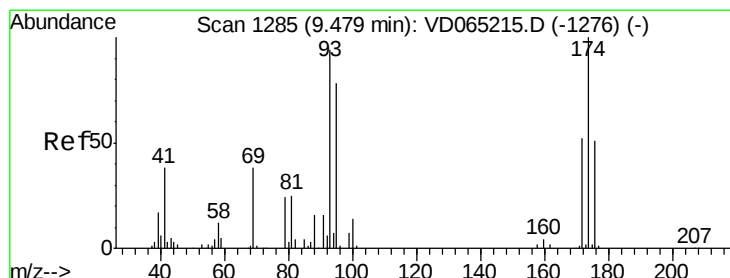
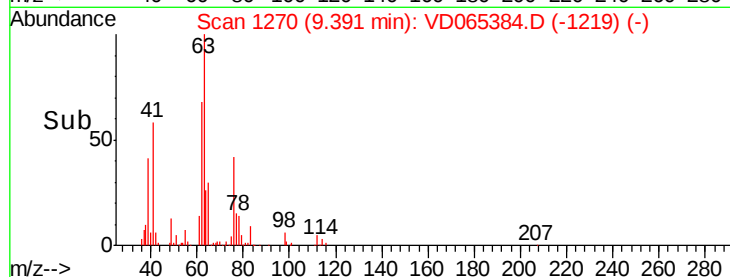
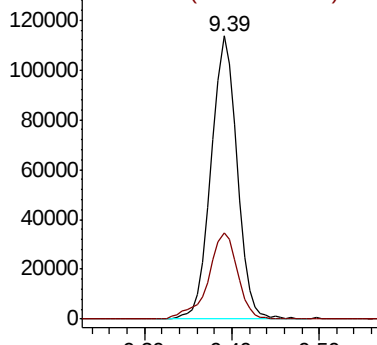
63 100

65 30.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.389 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

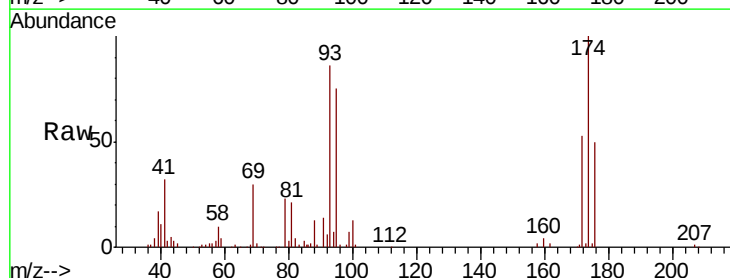
Tgt Ion: 93 Resp: 117636

Ion Ratio Lower Upper

93 100

95 84.4 65.8 98.6

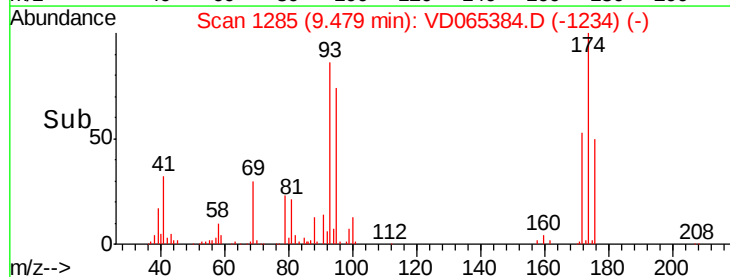
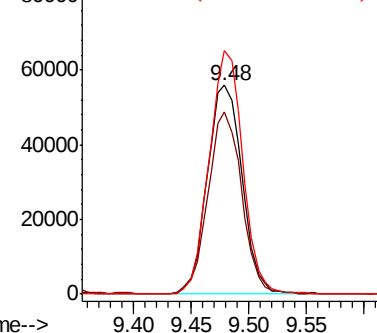
174 112.5 86.8 130.2

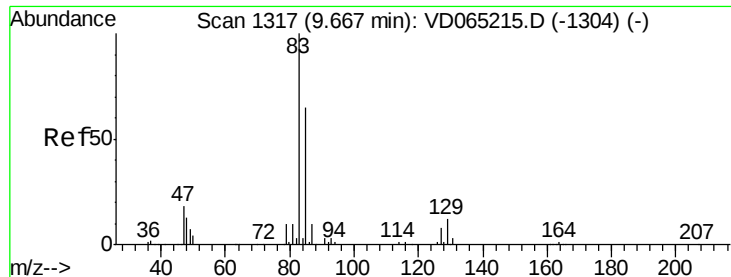


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

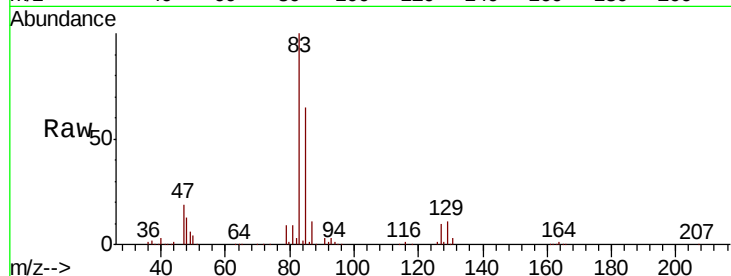




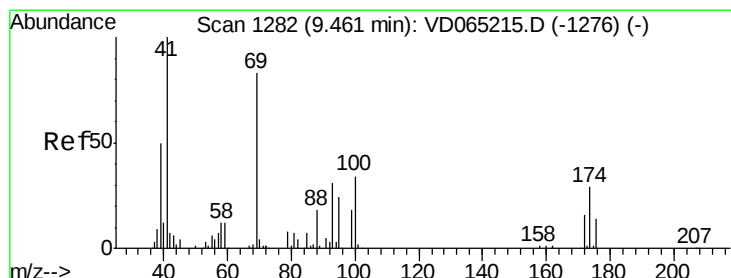
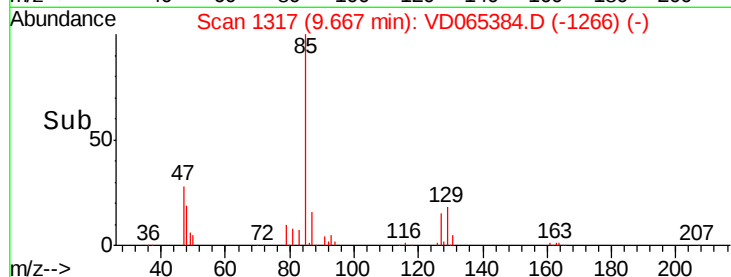
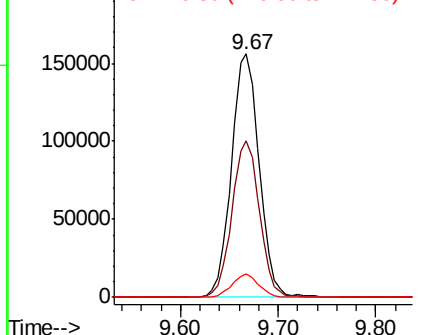
#47
Bromodichloromethane
Concen: 50.188 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 308777
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0
127 9.7 6.7 10.1

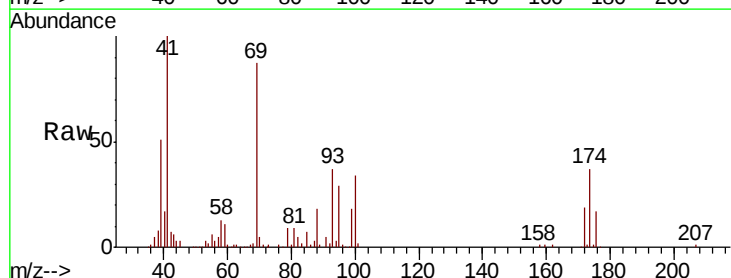


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

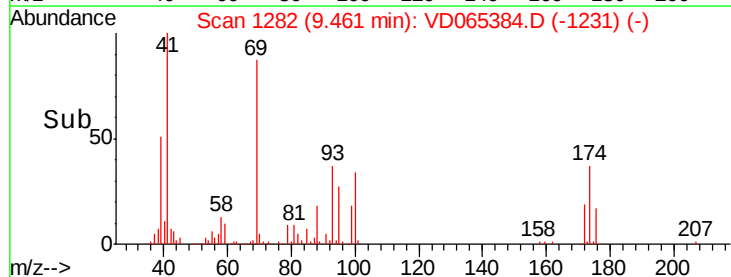
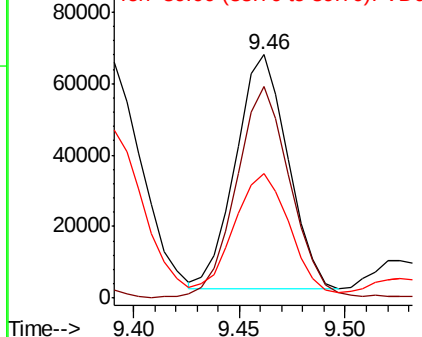


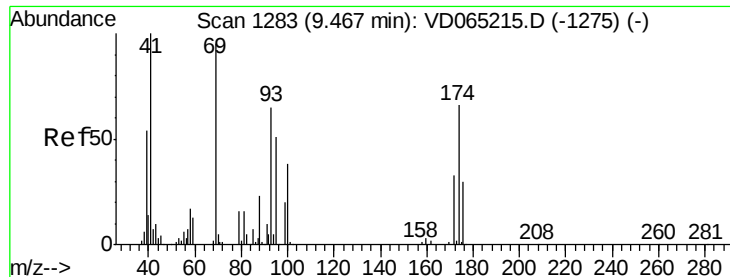
#48
Methyl methacrylate
Concen: 49.380 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 41 Resp: 112174
Ion Ratio Lower Upper
41 100
69 93.4 68.2 102.2
39 53.6 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

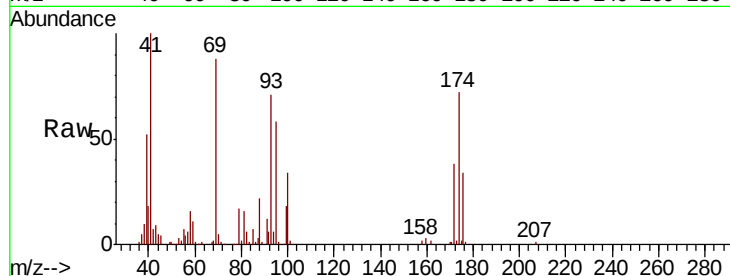




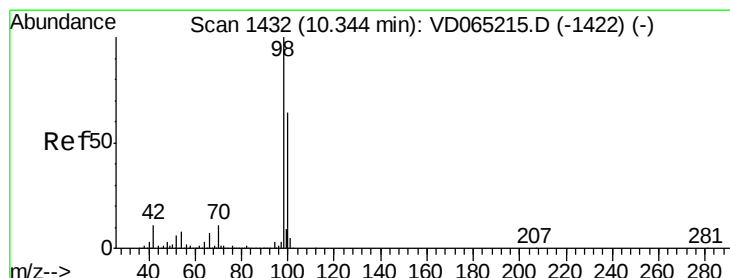
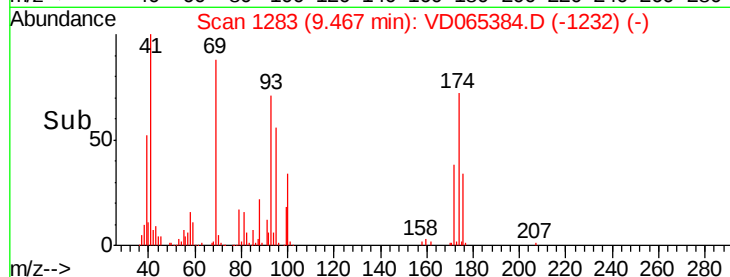
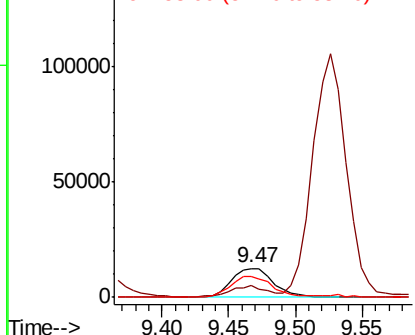
#49
1,4-Dioxane
Concen: 1013.219 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 27743
Ion Ratio Lower Upper
88 100
43 33.5 28.5 42.7
58 69.5 58.6 87.8

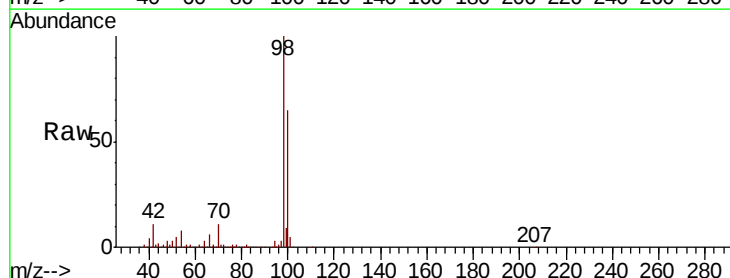


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

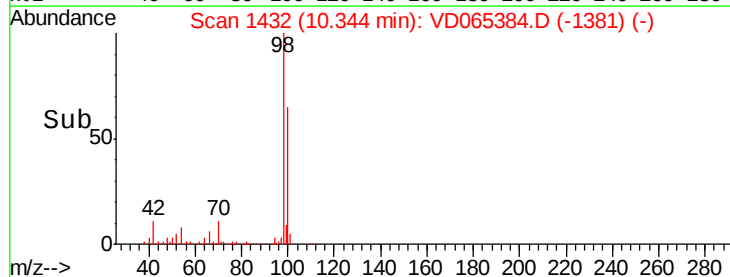
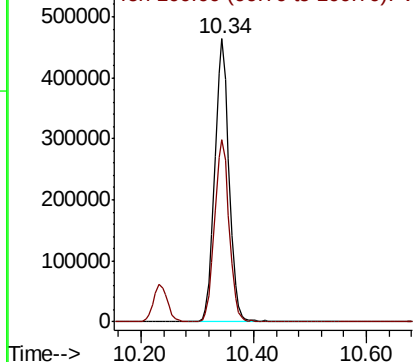


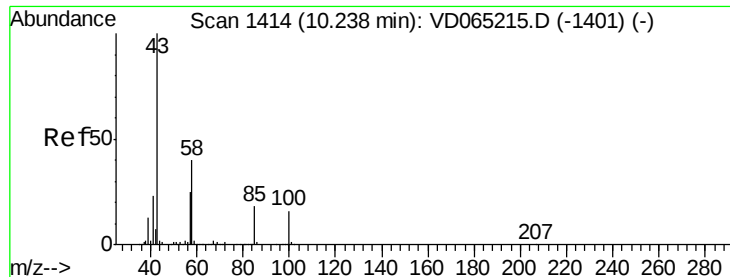
#50
Toluene-d8
Concen: 52.546 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 98 Resp: 813802
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 256.657 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

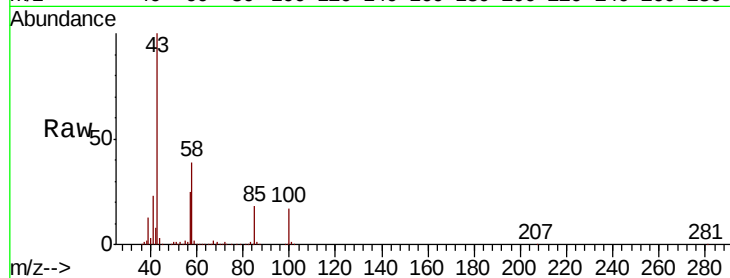
ClientSampleId :

Tot Ion: 43 Resp: 640659

Ion Ratio Lower Upper

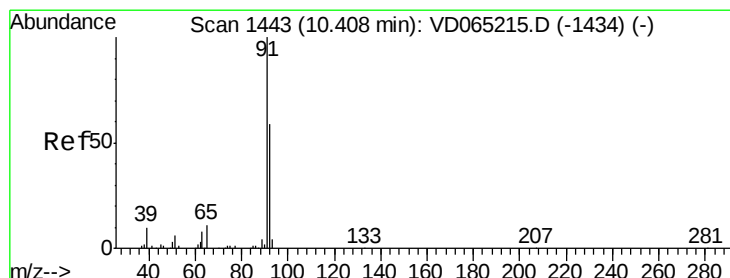
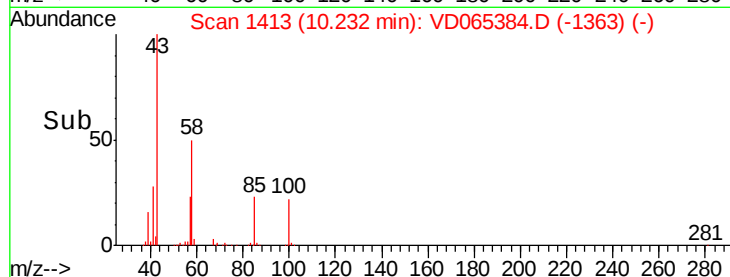
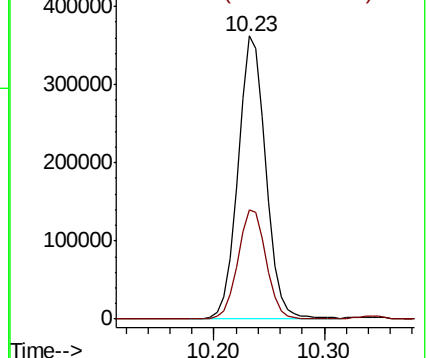
43 100

58 39.4 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.779 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065384.D

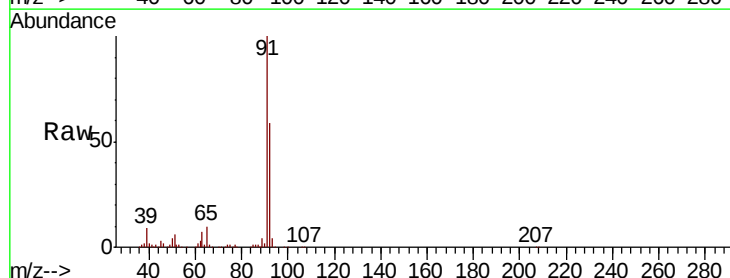
Acq: 03 Mar 2020 10:08

Tgt Ion: 92 Resp: 596129

Ion Ratio Lower Upper

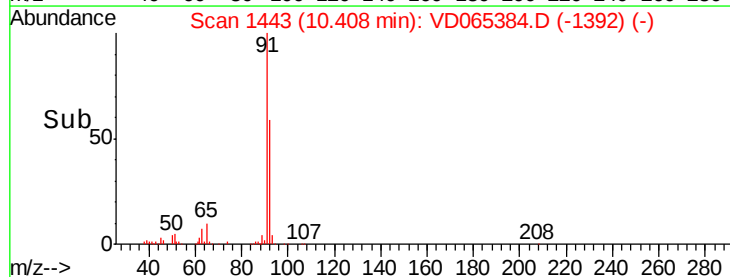
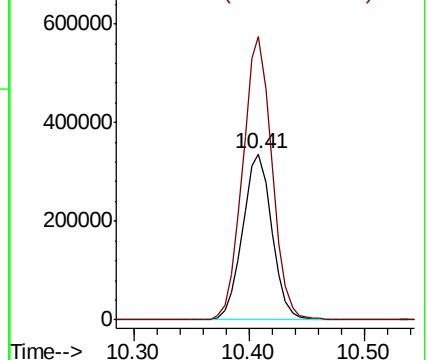
92 100

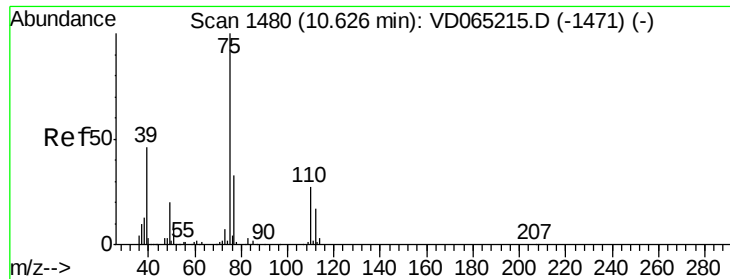
91 170.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.228 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

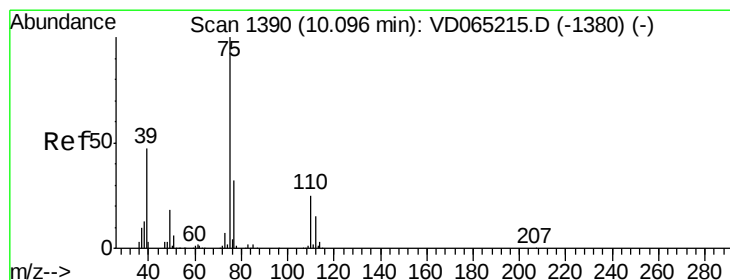
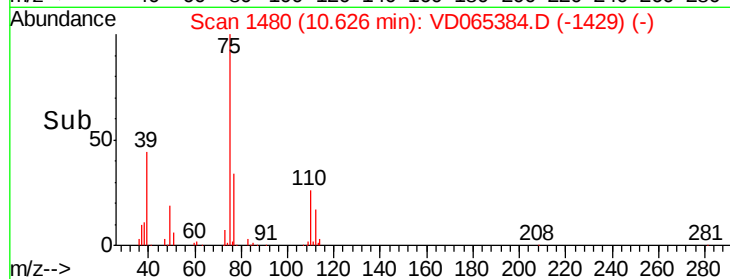
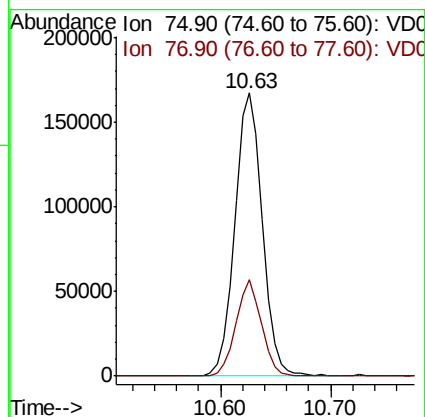
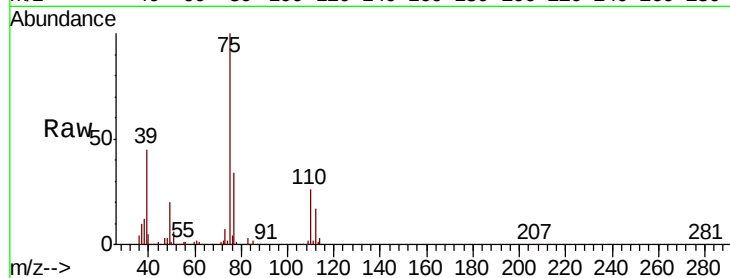
ClientSampleId :

Tot Ion: 75 Resp: 292141

Ion Ratio Lower Upper

75 100

77 34.2 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 51.739 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

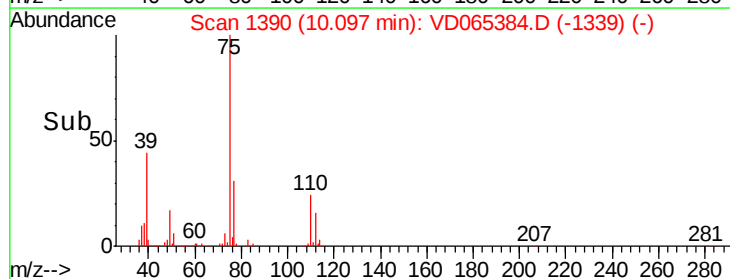
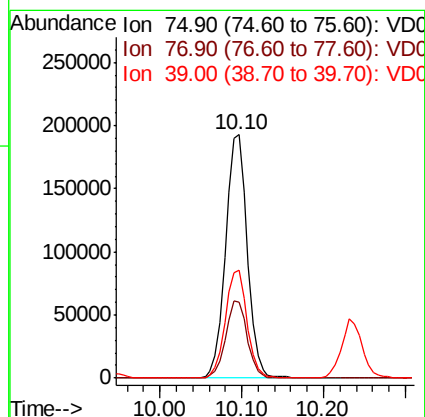
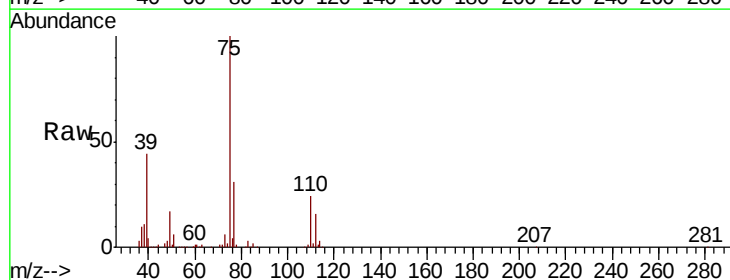
Tgt Ion: 75 Resp: 356289

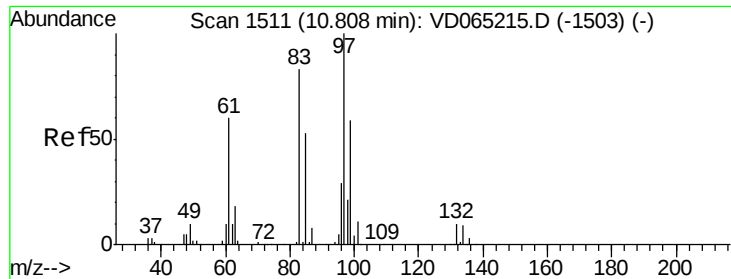
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8

39 44.3 37.3 55.9

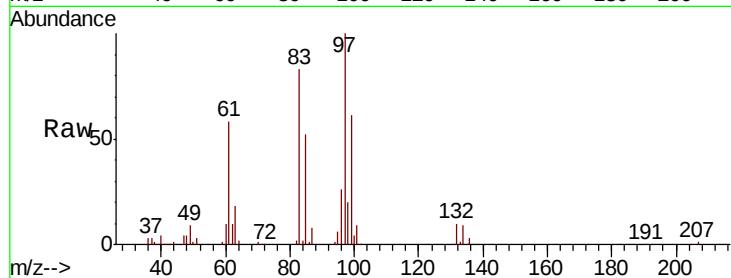




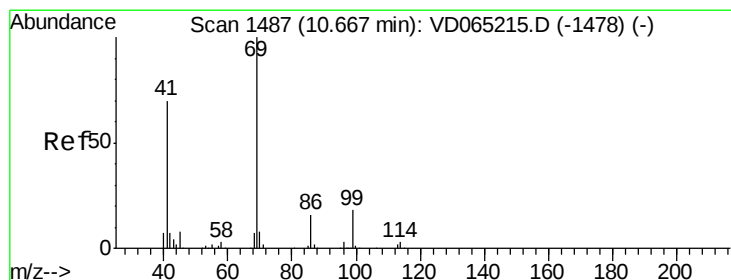
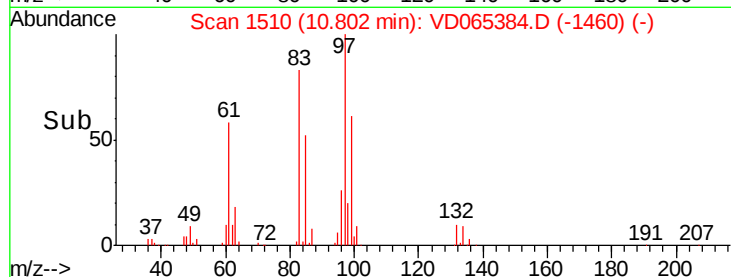
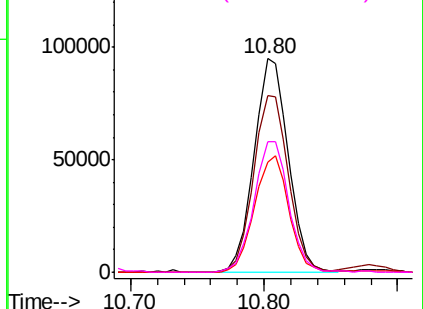
#55
 1,1,2-Trichloroethane
 Concen: 51.180 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:	97	Resp:	168173
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.7	100.1
85	51.8	42.4	63.6
99	61.4	47.5	71.3

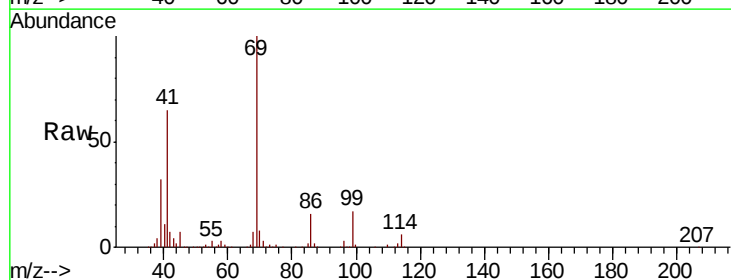


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

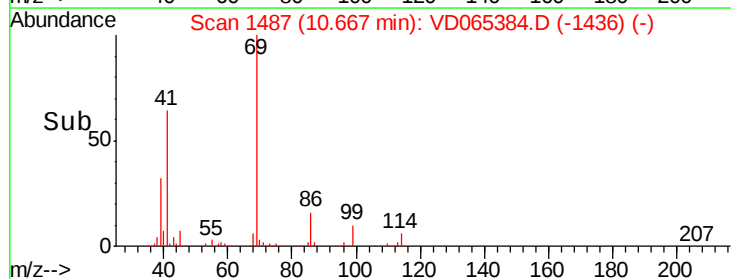
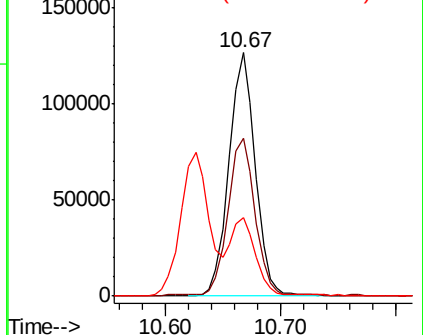


#56
 Ethyl methacrylate
 Concen: 52.830 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion:	69	Resp:	200366
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.6	81.8
39	30.5	26.5	39.7



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

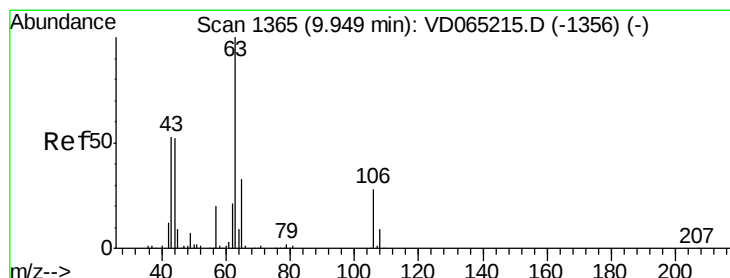
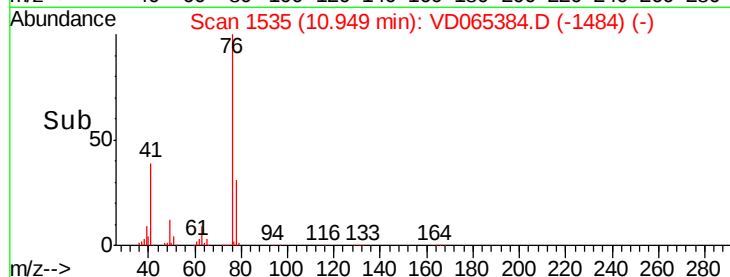
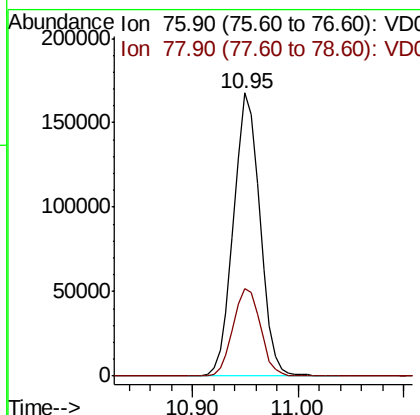
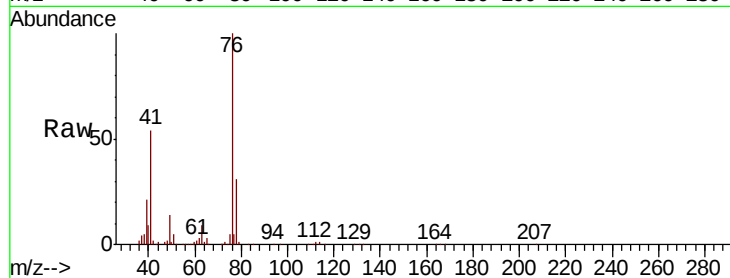




#57
 1,3-Dichloropropane
 Concen: 51.951 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

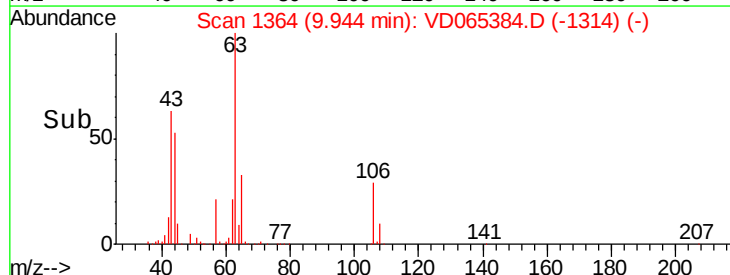
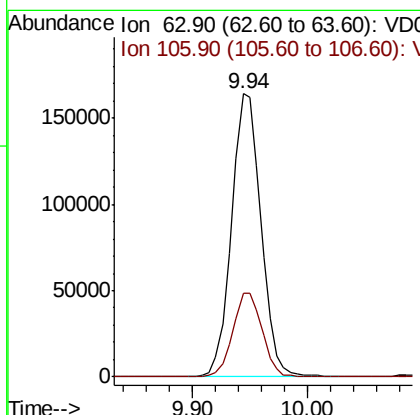
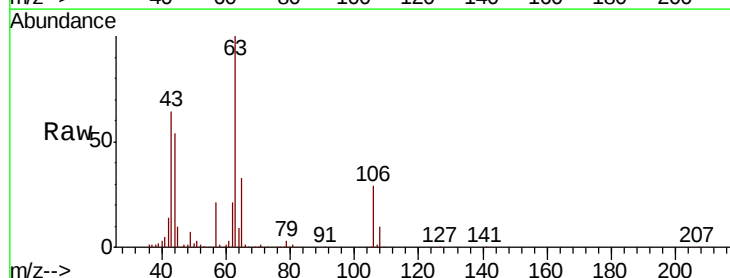
Instrument :
 MSVOA_D
 ClientSampleId :

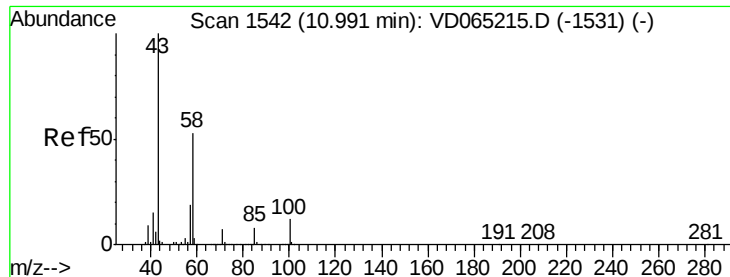
Tot Ion: 76 Resp: 290538
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.520 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion: 63 Resp: 289987
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.8 34.2

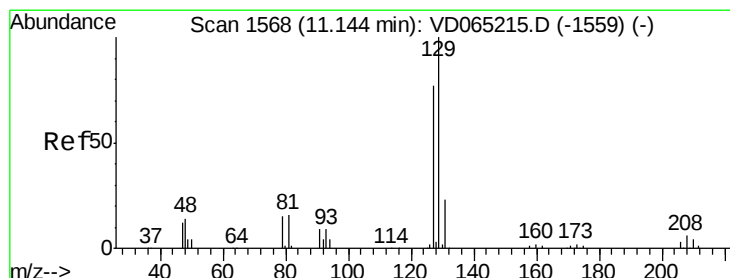
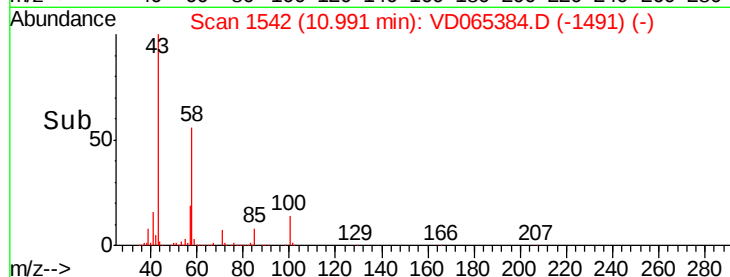
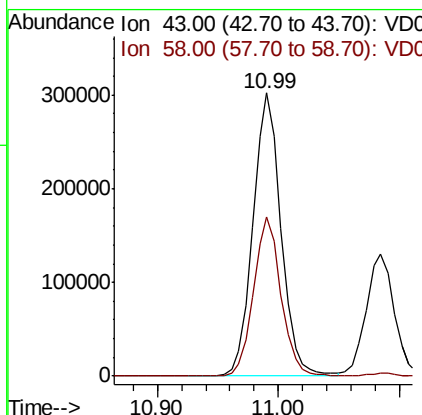
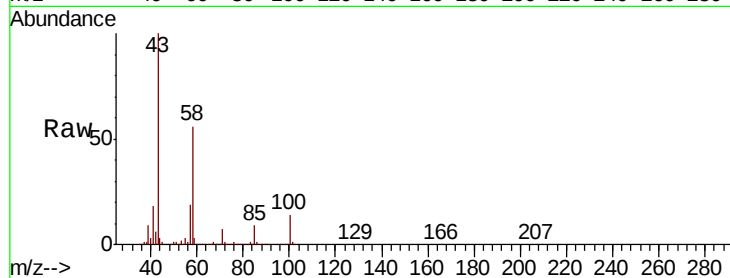




#59
2-Hexanone
Concen: 273.277 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

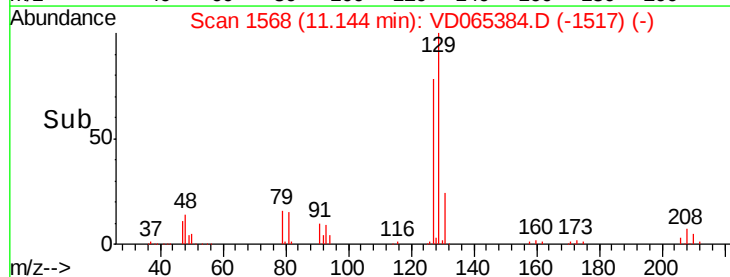
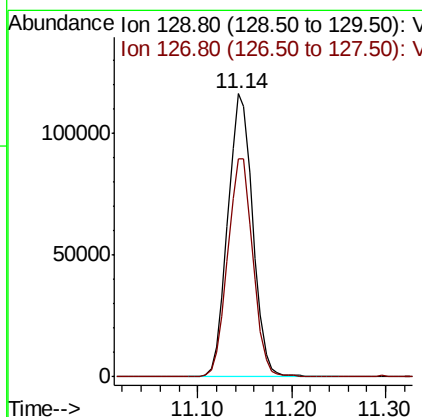
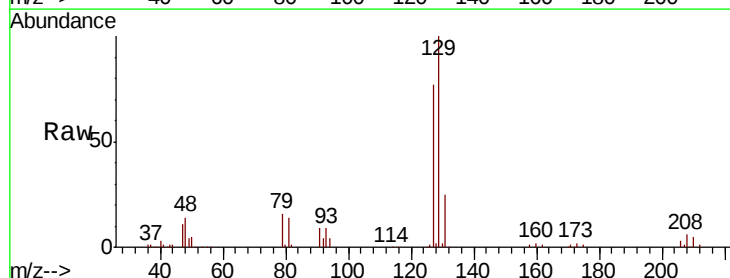
Instrument :
MSVOA_D
ClientSampleId :

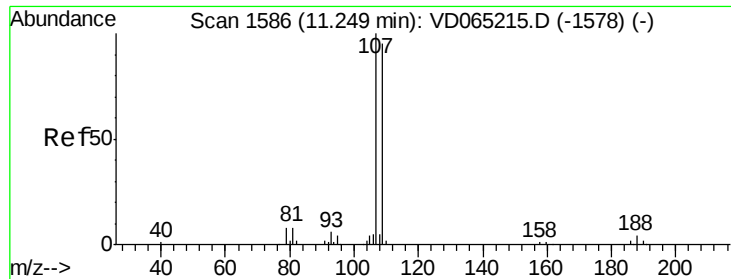
Tot Ion: 43 Resp: 488306
Ion Ratio Lower Upper
43 100
58 55.1 26.3 78.8



#60
Dibromochloromethane
Concen: 50.997 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:129 Resp: 214480
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1

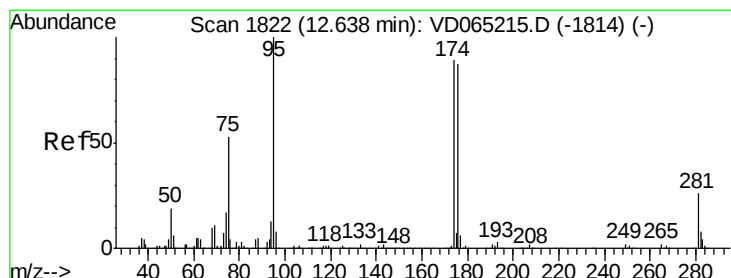
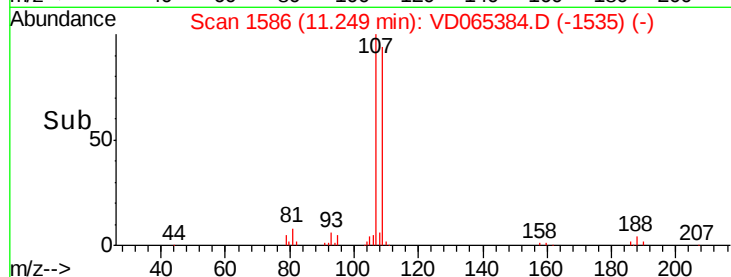
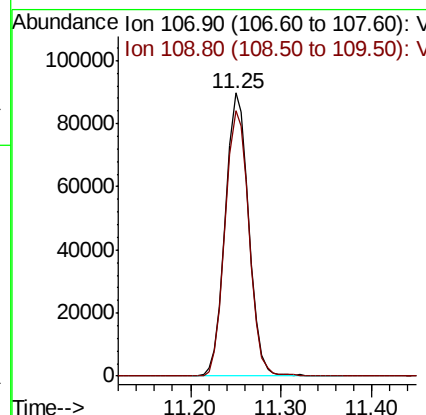
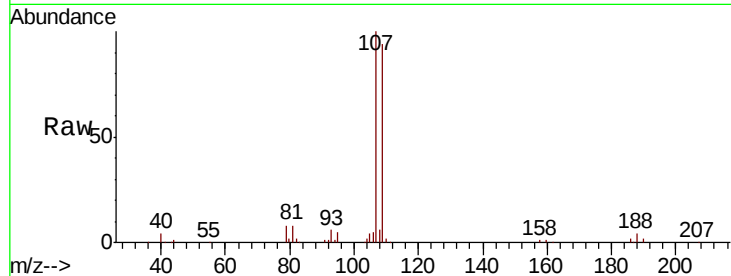




#61
 1,2-Dibromoethane
 Concen: 51.672 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

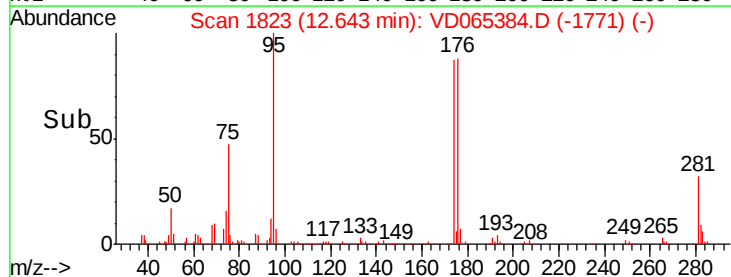
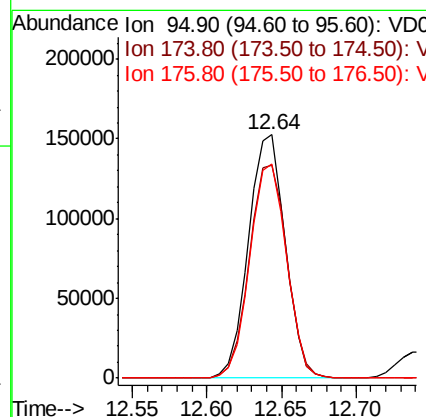
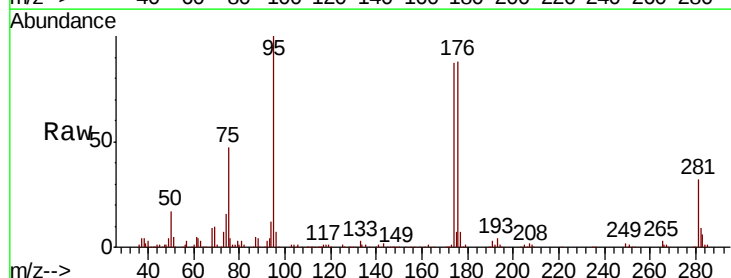
Instrument :
 MSVOA_D
 ClientSampleId :

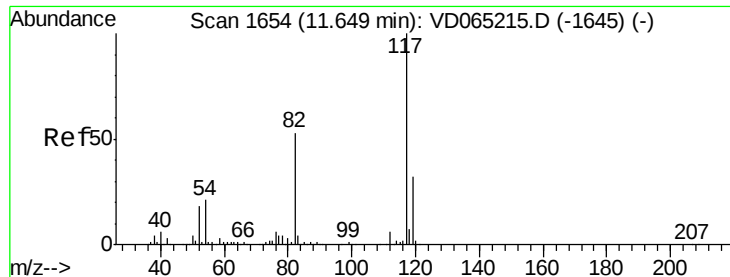
Tot Ion: 107 Resp: 160761
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 52.923 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion: 95 Resp: 259655
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 178.0
 176 87.9 0.0 174.4

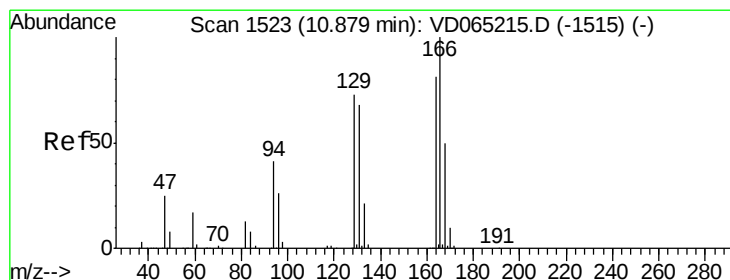
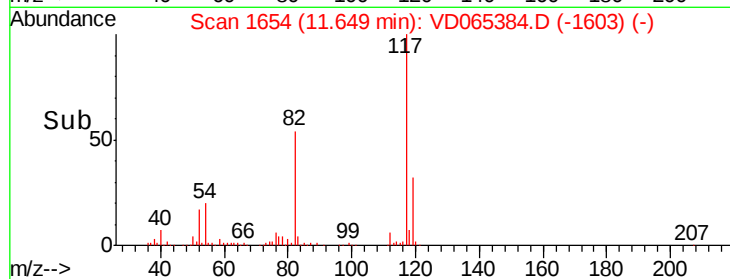
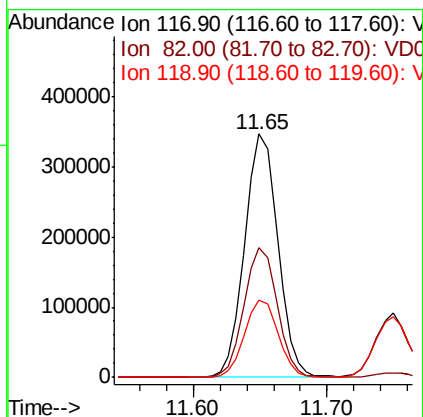
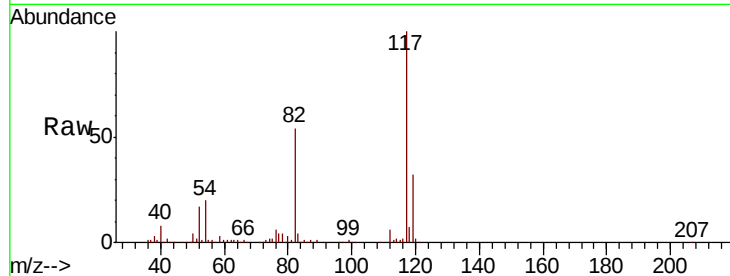




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

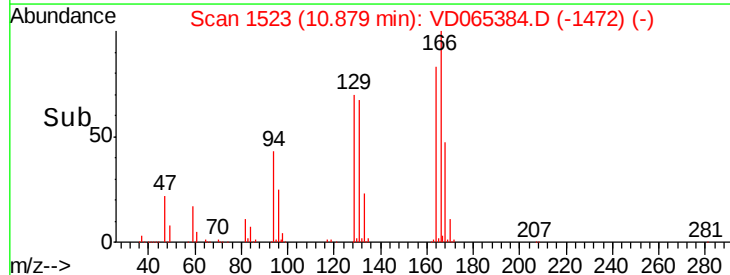
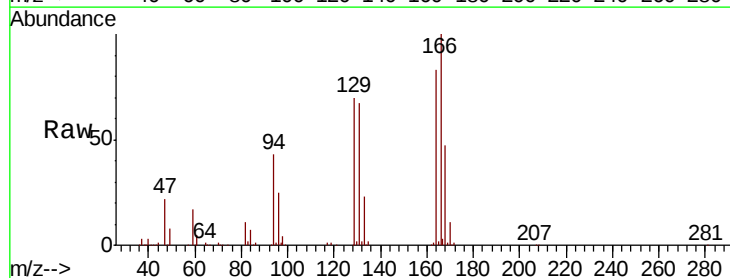
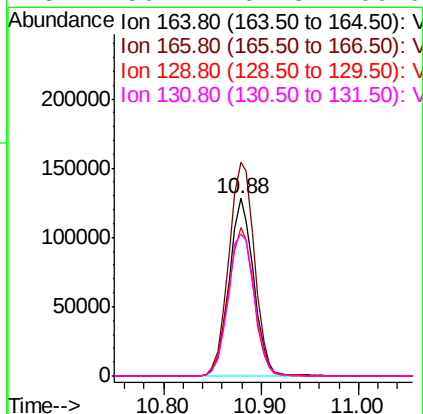
Instrument :
MSVOA_D
ClientSampleId :

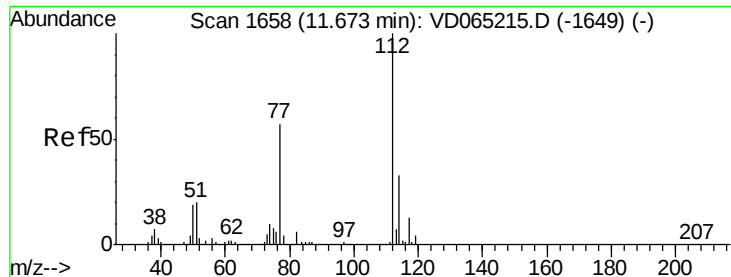
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.7	64.1
119	31.7	25.5	38.3



#64
Tetrachloroethene
Concen: 52.560 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	98.4	147.6
129	84.0	71.6	107.4
131	80.2	67.3	100.9

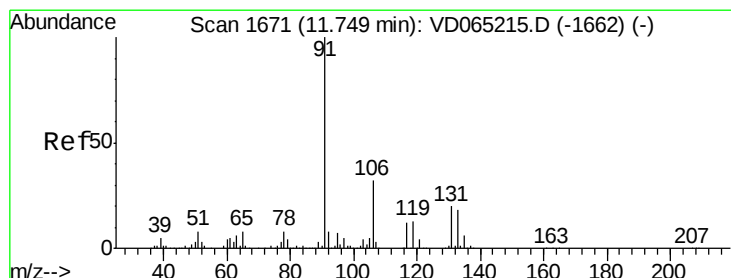
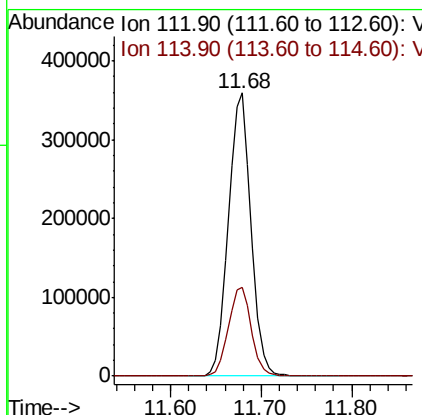
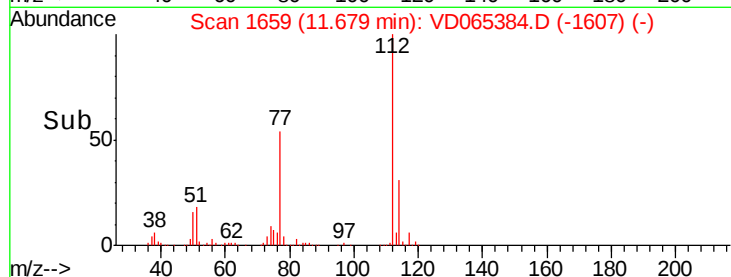
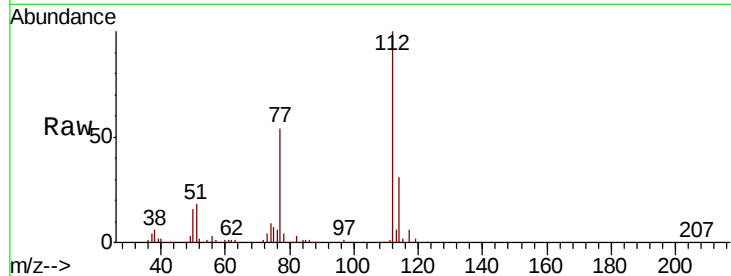




#65
Chlorobenzene
Concen: 51.861 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

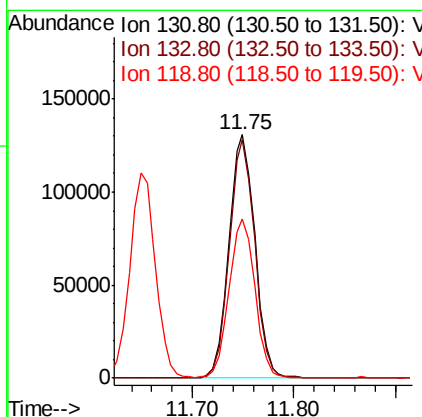
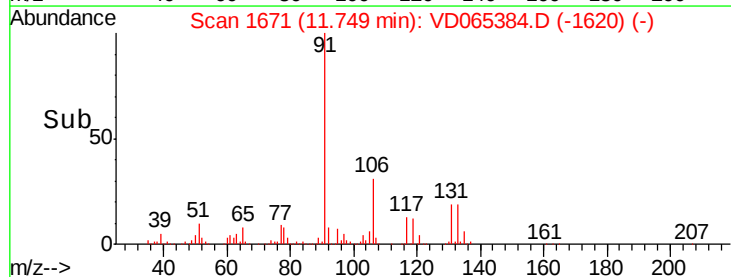
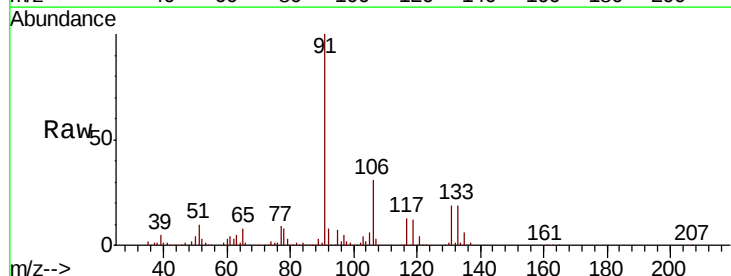
Instrument :
MSVOA_D
ClientSampled :

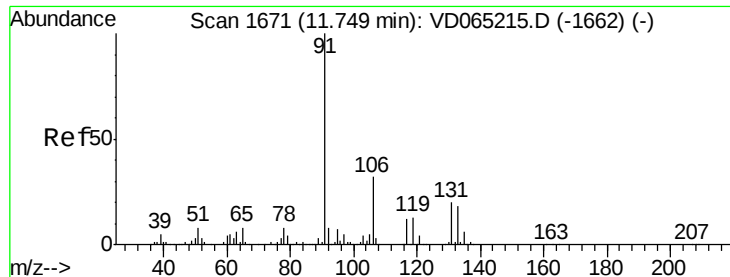
Tot Ion:112 Resp: 621366
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.900 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:131 Resp: 232053
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 65.4 32.7 98.1





#67

Ethyl Benzene

Concen: 52.991 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

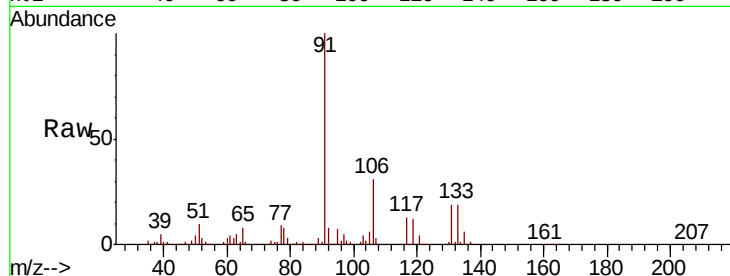
ClientSampleId :

Tot Ion: 91 Resp: 1111961

Ion Ratio Lower Upper

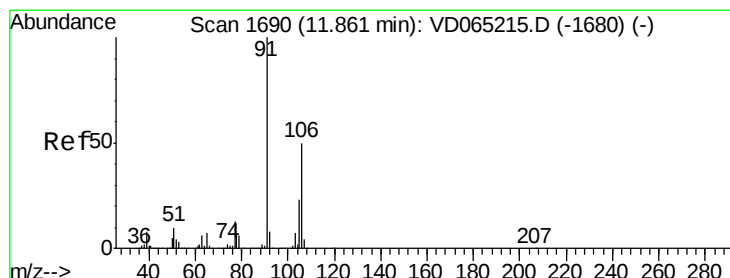
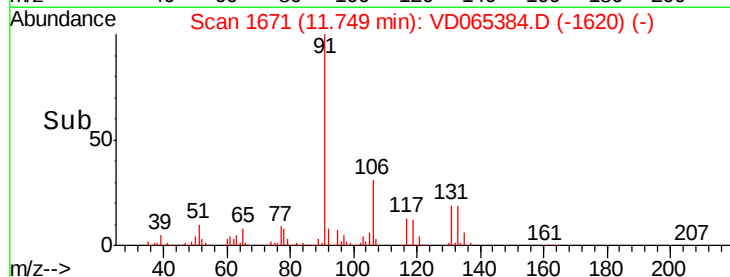
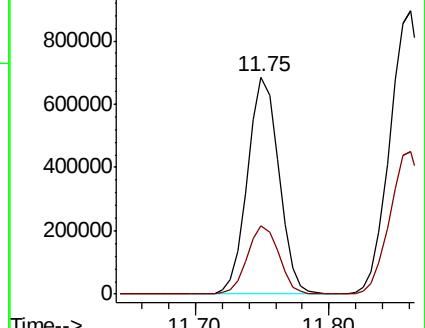
91 100

106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065215.D (-1662) (-)



#68

m/p-Xylenes

Concen: 106.490 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065384.D

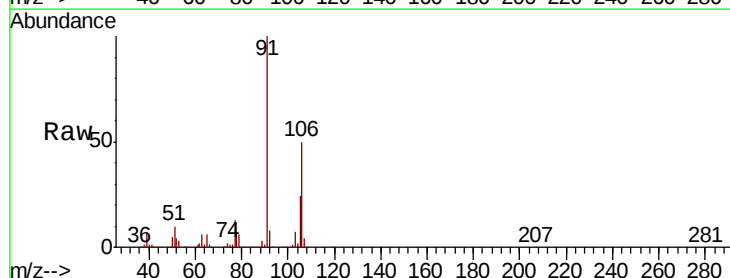
Acq: 03 Mar 2020 10:08

Tgt Ion: 106 Resp: 854936

Ion Ratio Lower Upper

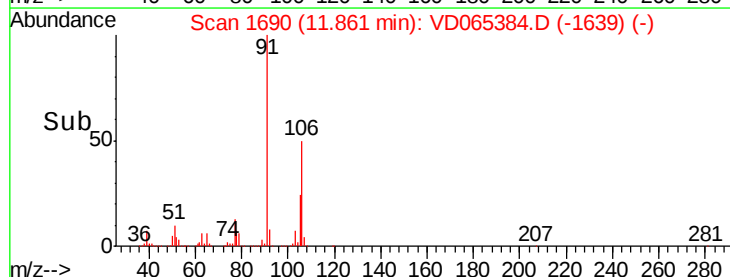
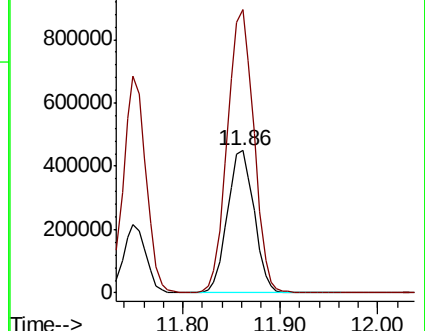
106 100

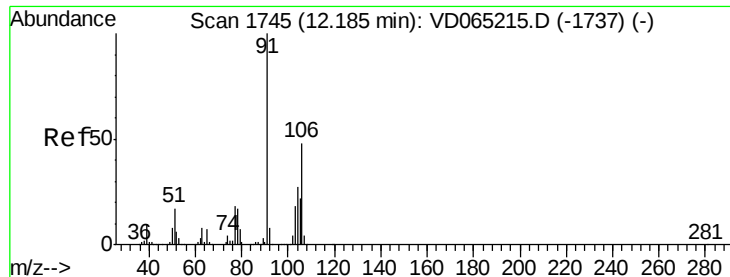
91 197.6 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VD065215.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD065215.D (-1680) (-)

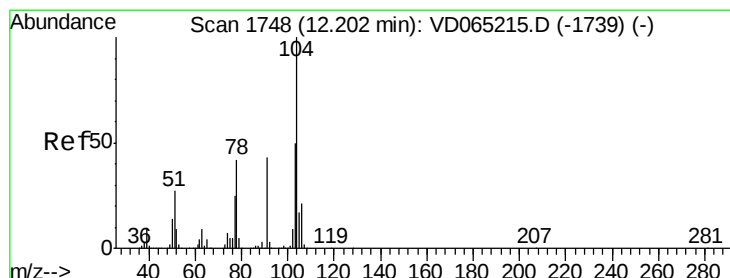
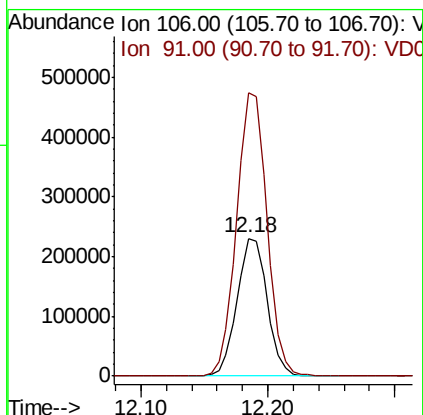
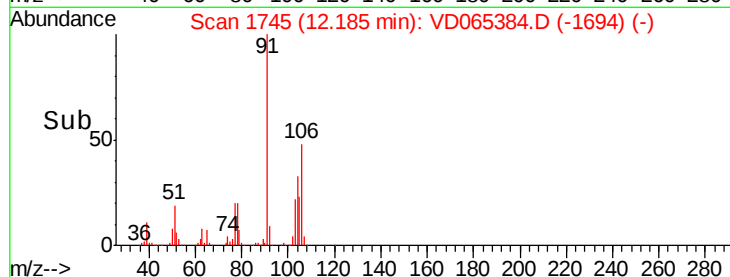
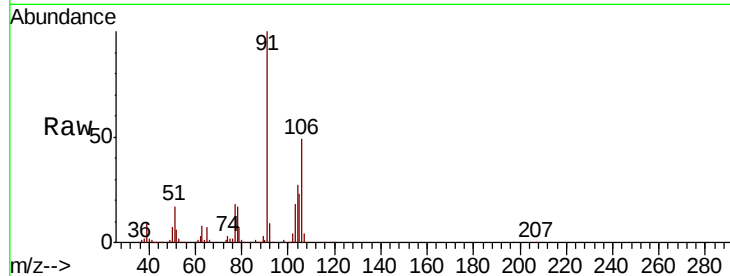




#69
o-Xylene
Concen: 53.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

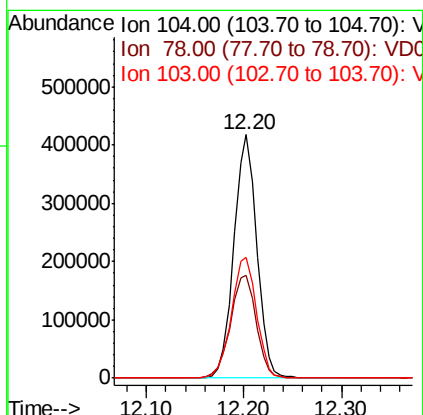
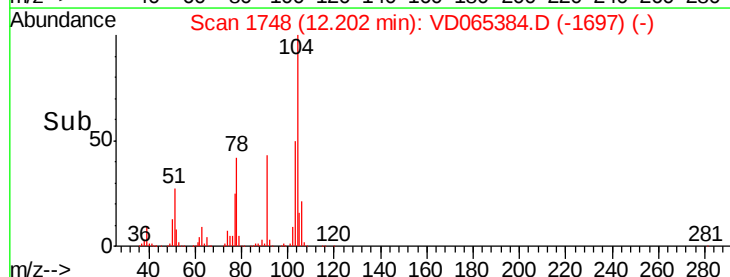
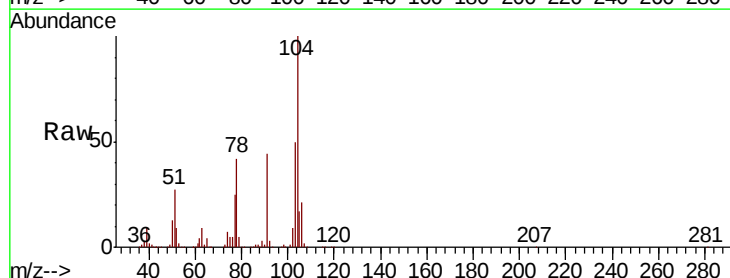
Instrument :
MSVOA_D
ClientSampleId :

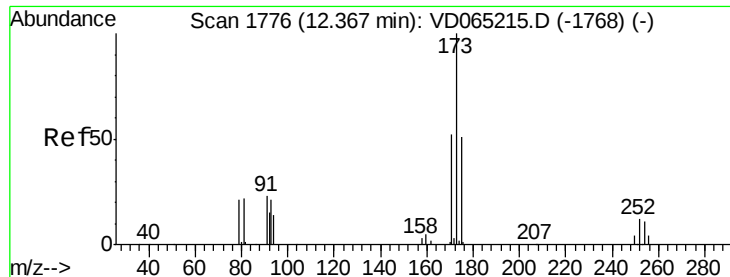
Tot Ion:106 Resp: 379050
Ion Ratio Lower Upper
106 100
91 208.2 104.7 313.9



#70
Styrene
Concen: 53.981 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:104 Resp: 681684
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 54.4 43.4 65.2

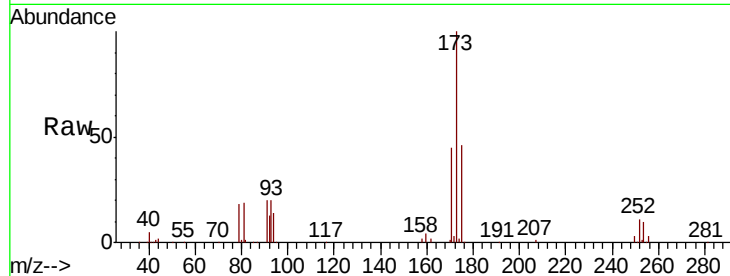




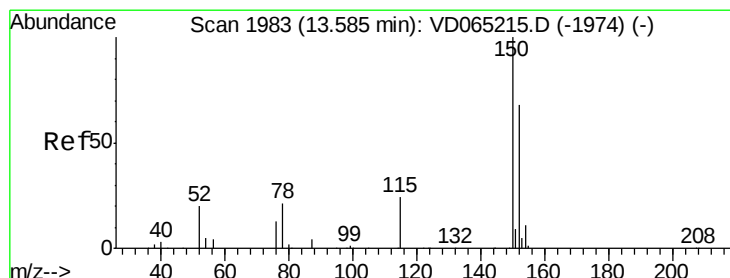
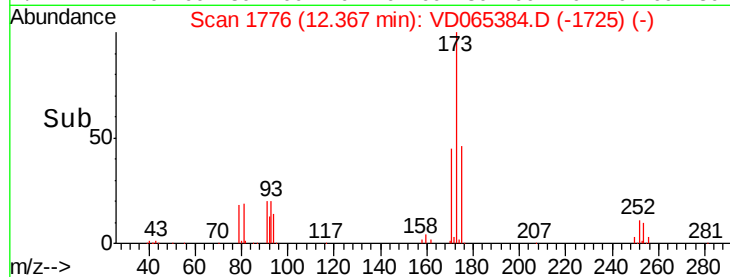
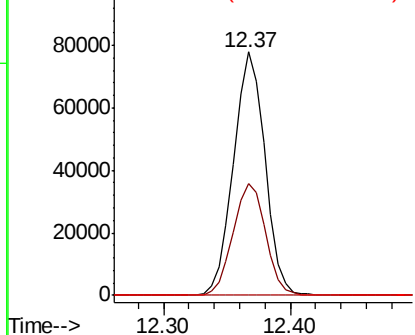
#71
Bromoform
Concen: 53.860 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 133629
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.4
254 0.1 0.0 0.0#

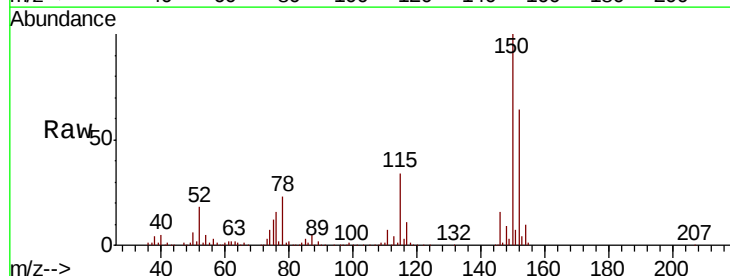


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

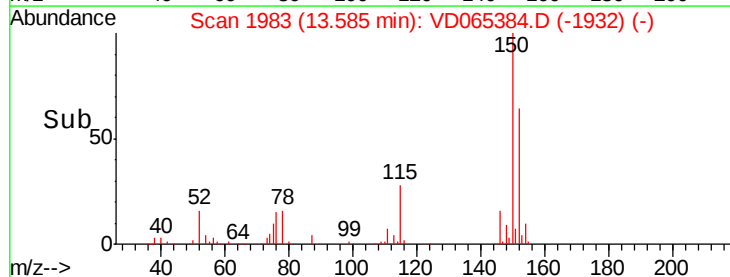
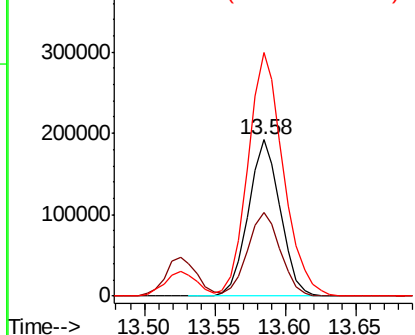


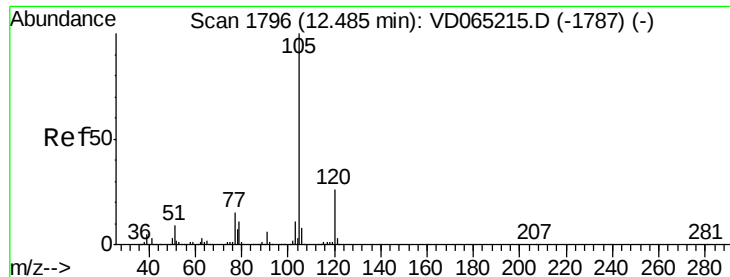
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:152 Resp: 304045
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.8
150 172.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.769 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

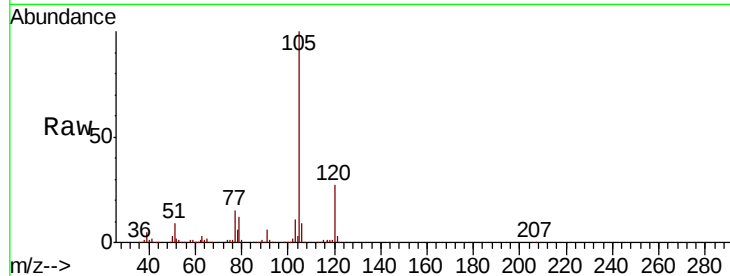
ClientSampleId :

Tot Ion:105 Resp: 1062197

Ion Ratio Lower Upper

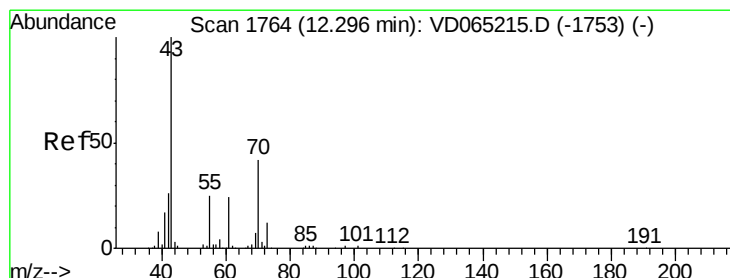
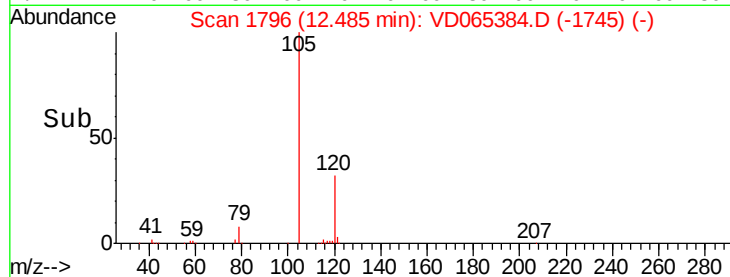
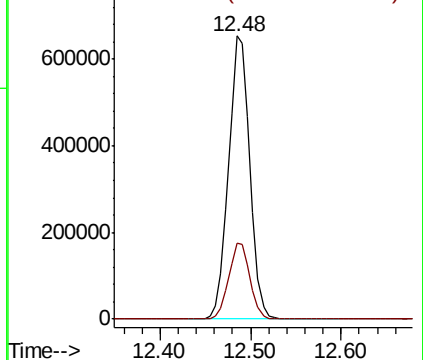
105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.065 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion: 43 Resp: 219457

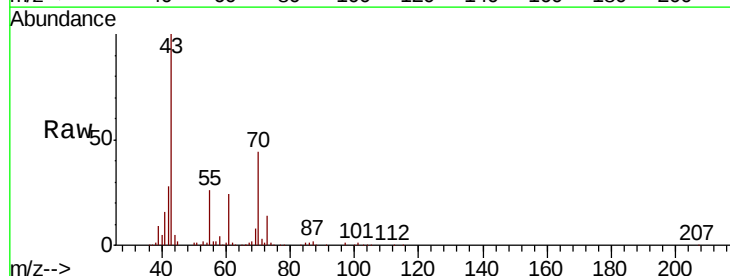
Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 27.2 20.7 31.1

61 24.3 19.0 28.4

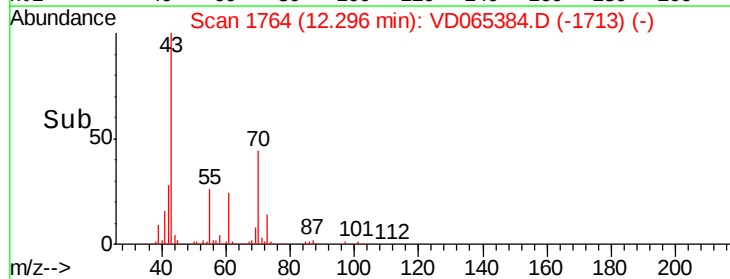
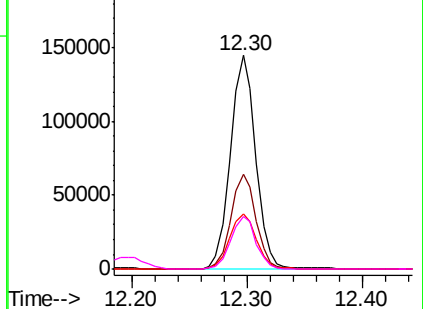


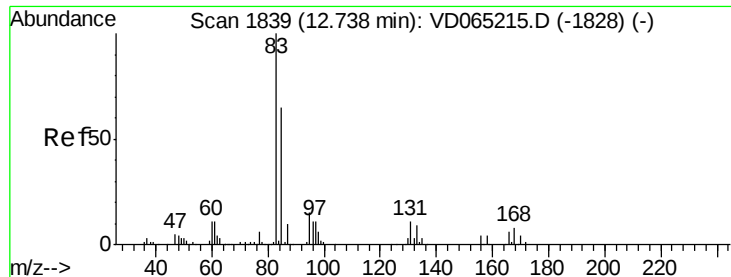
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.533 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

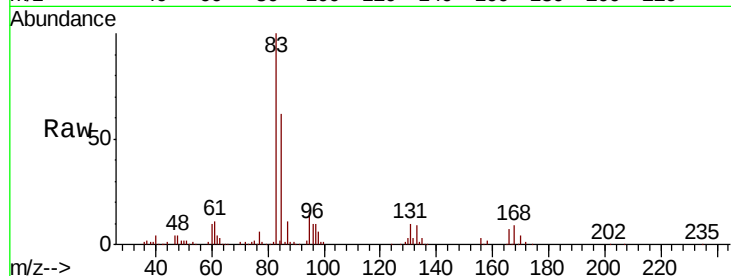
Tot Ion: 83 Resp: 179948

Ion Ratio Lower Upper

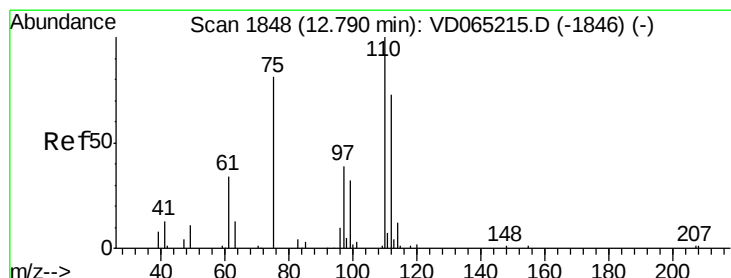
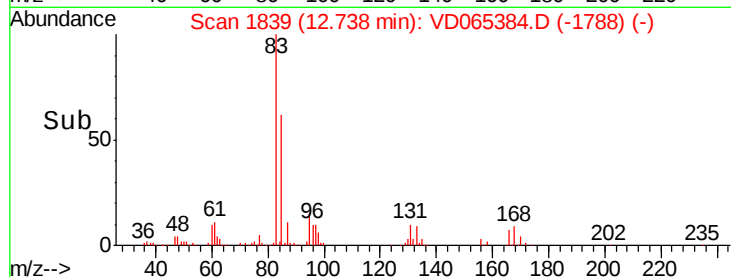
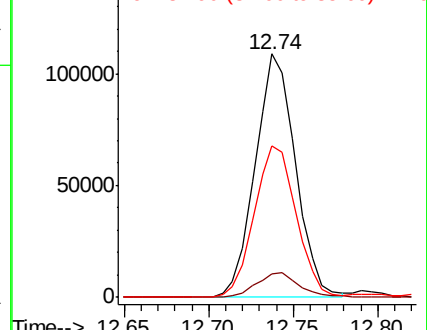
83 100

131 10.7 5.4 16.2

85 64.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 89.297 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065384.D

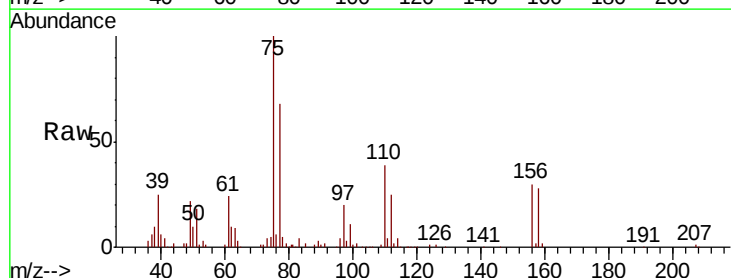
Acq: 03 Mar 2020 10:08

Tgt Ion: 75 Resp: 231002

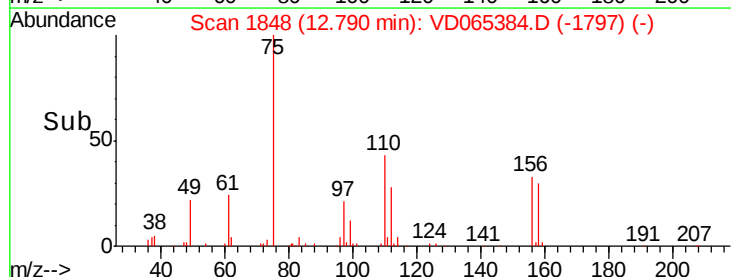
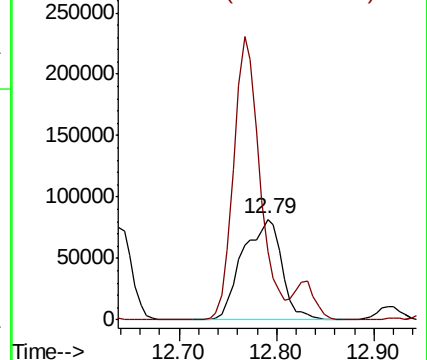
Ion Ratio Lower Upper

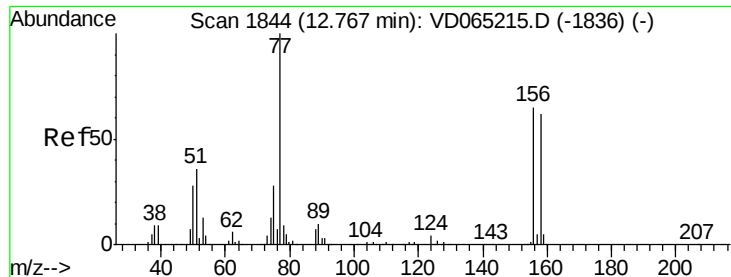
75 100

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: 51.406 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

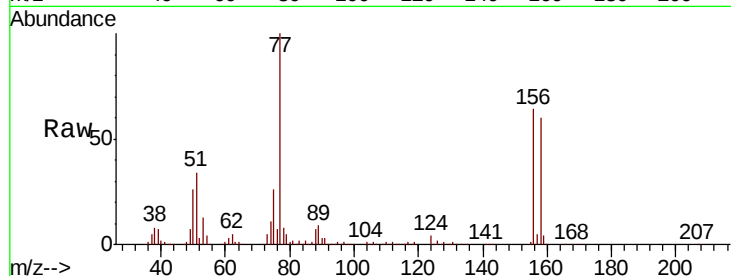
Tot Ion:156 Resp: 256948

Ion Ratio Lower Upper

156 100

77 167.9 86.6 259.7

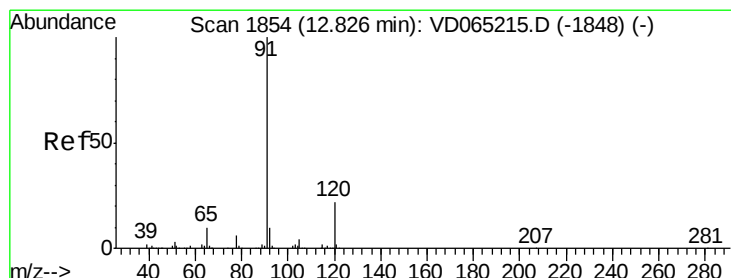
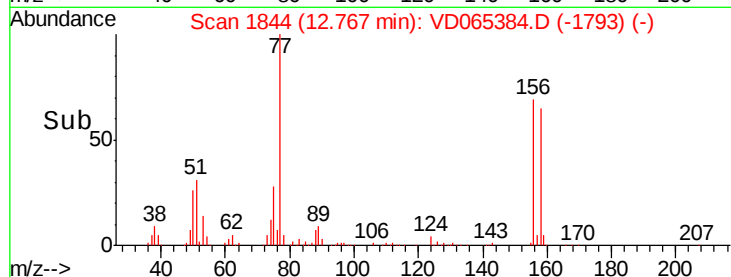
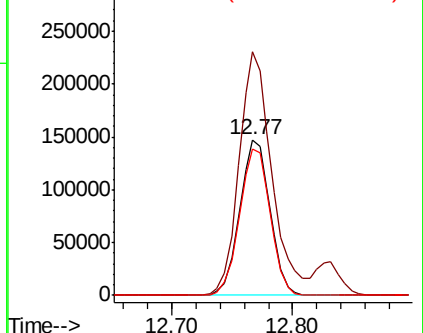
158 95.2 48.1 144.3



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: 52.137 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065384.D

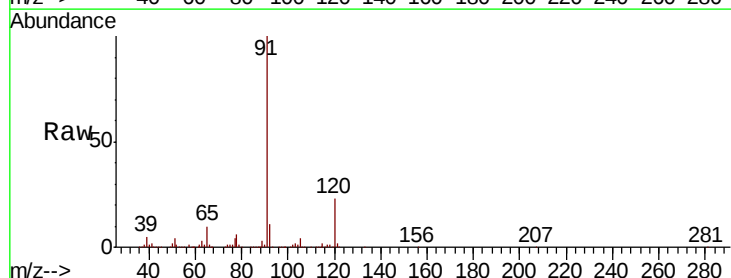
Acq: 03 Mar 2020 10:08

Tgt Ion: 91 Resp: 1261168

Ion Ratio Lower Upper

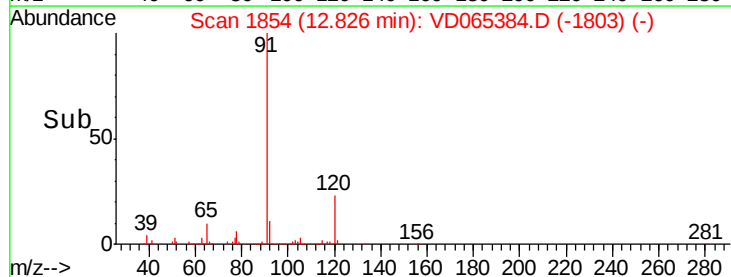
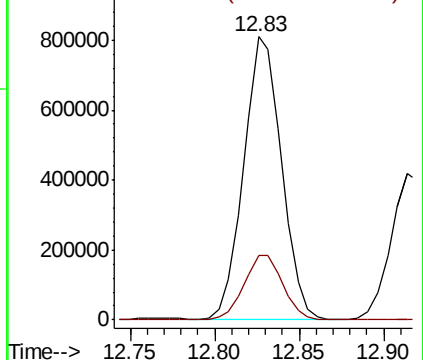
91 100

120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

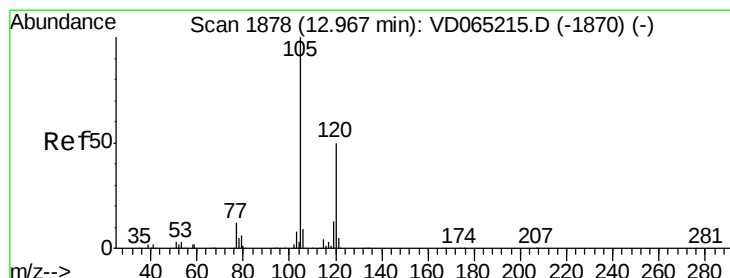
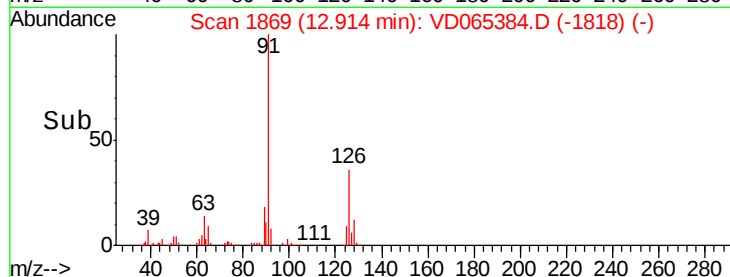
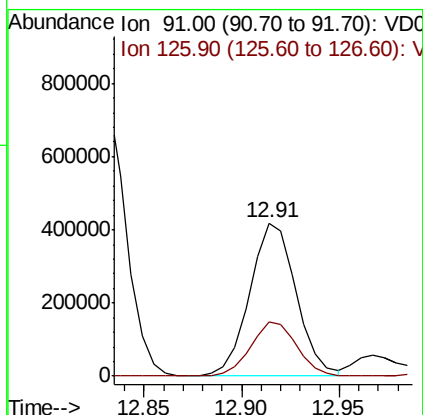
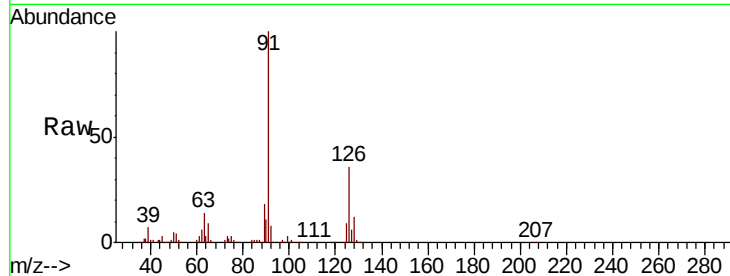




#79
 2-Chlorotoluene
 Concen: 50.499 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

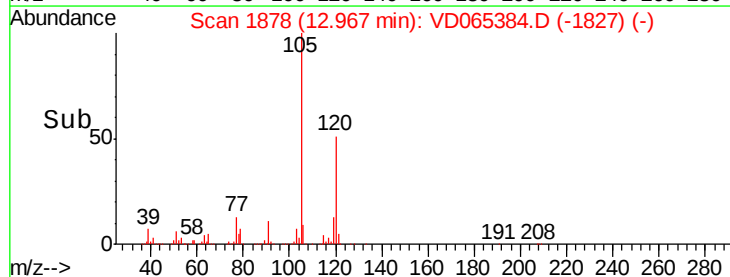
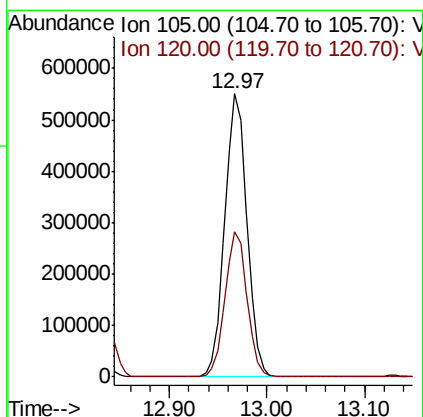
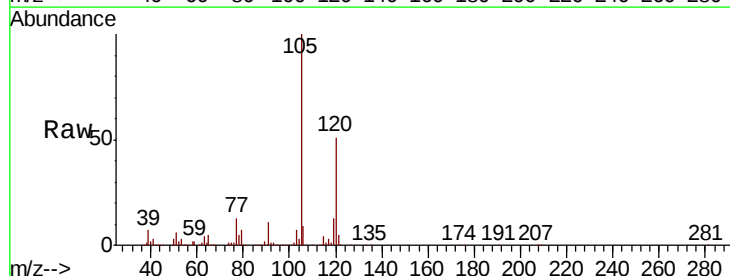
Instrument :
 MSVOA_D
 ClientSampled :

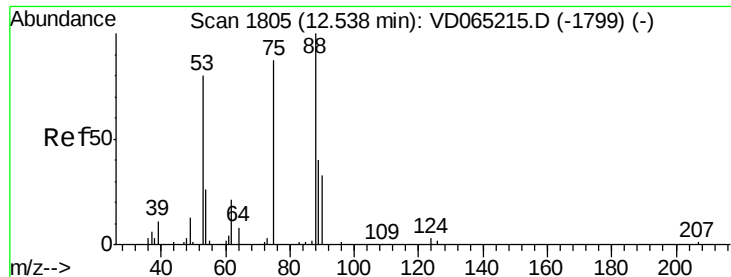
Tot Ion: 91 Resp: 684319
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.195 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion: 105 Resp: 865340
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.859 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

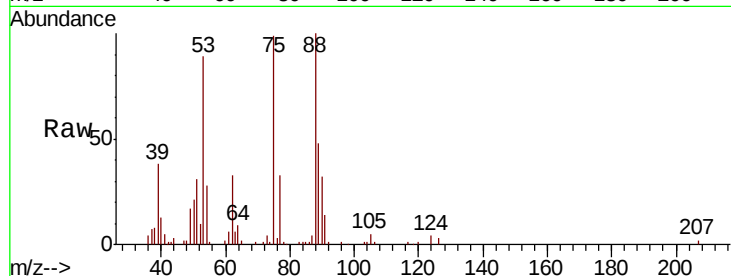
Tot Ion: 75 Resp: 58538

Ion Ratio Lower Upper

75 100

53 90.1 77.6 116.4

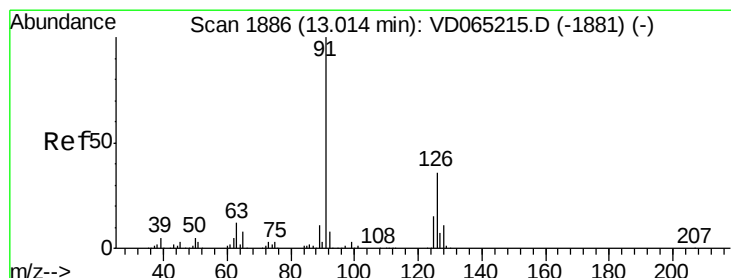
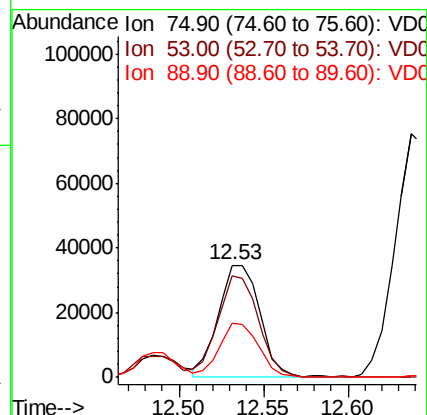
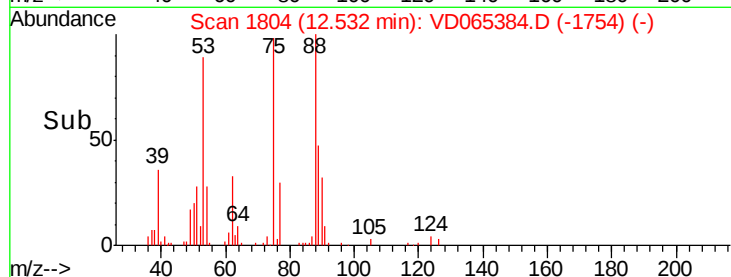
89 46.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.636 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065384.D

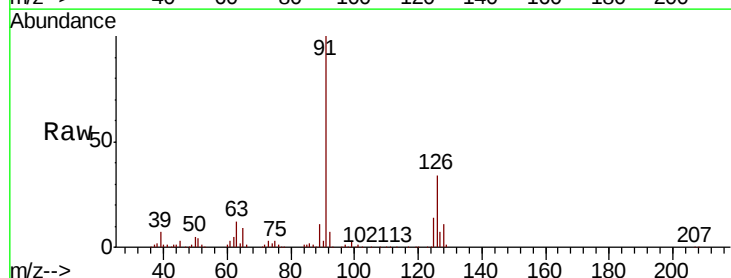
Acq: 03 Mar 2020 10:08

Tgt Ion: 91 Resp: 728470

Ion Ratio Lower Upper

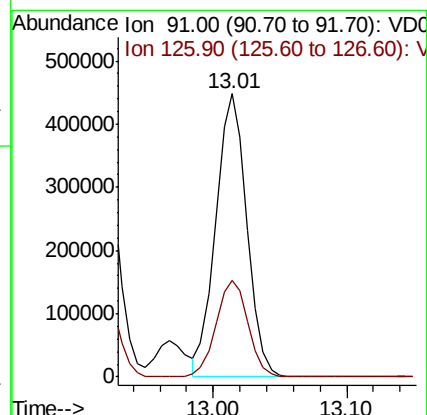
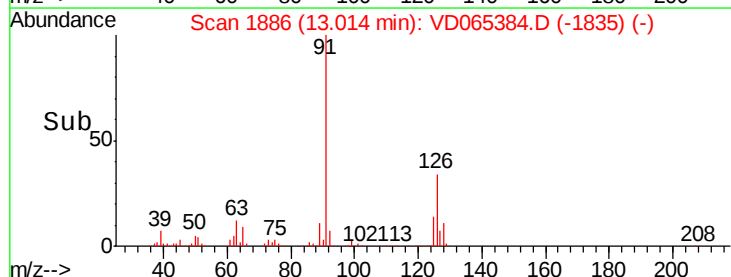
91 100

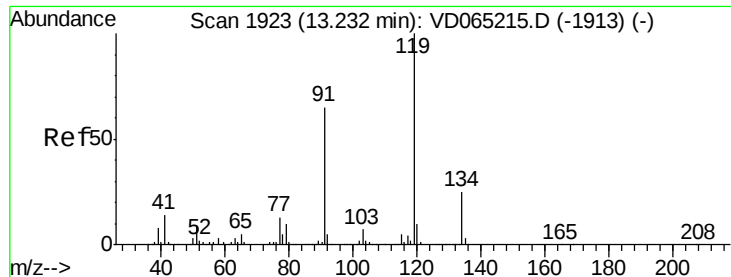
126 35.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

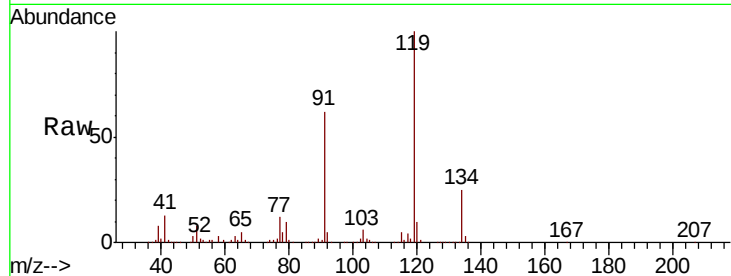




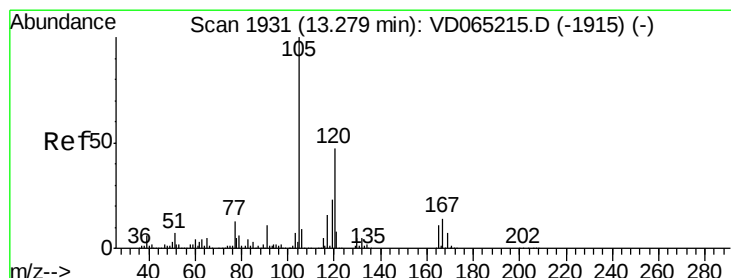
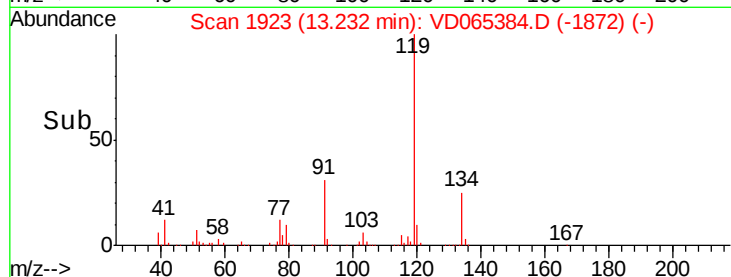
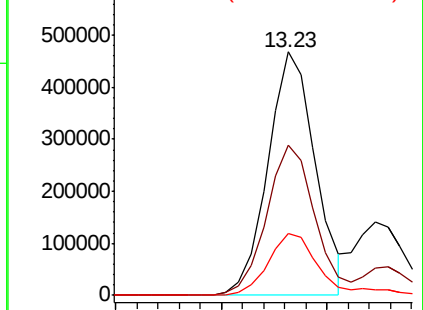
#83
tert-Butylbenzene
Concen: 52.524 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 729839
Ion Ratio Lower Upper
119 100
91 62.9 31.9 95.5
134 28.0 13.8 41.3

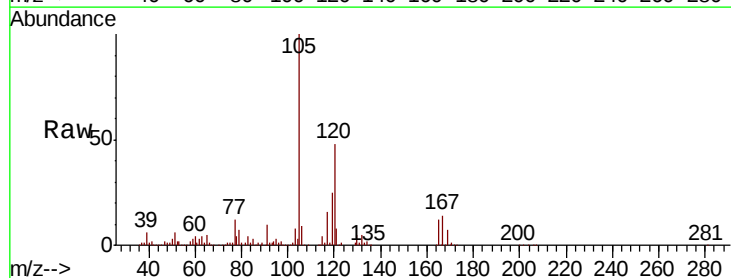


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

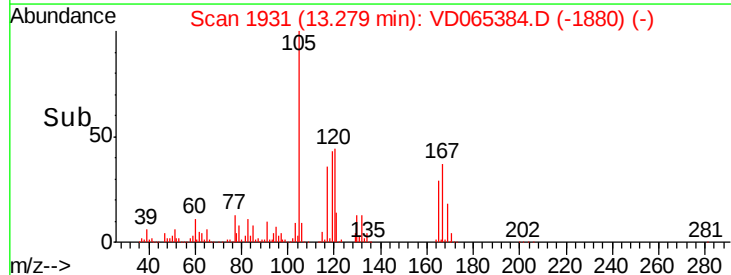
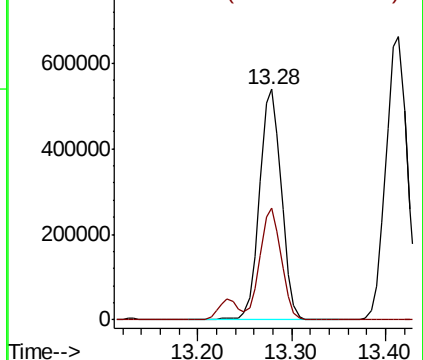


#84
1,2,4-Trimethylbenzene
Concen: 52.096 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:105 Resp: 864499
Ion Ratio Lower Upper
105 100
120 47.3 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 52.319 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

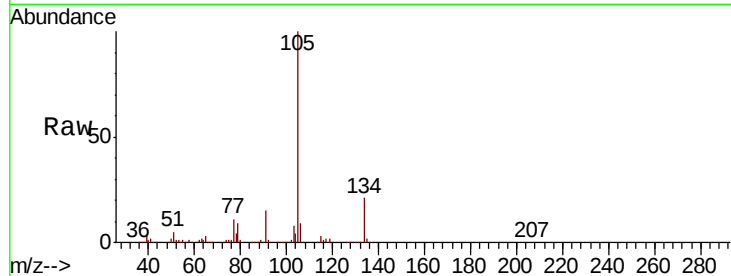
ClientSampleId :

Tot Ion:105 Resp: 1047551

Ion Ratio Lower Upper

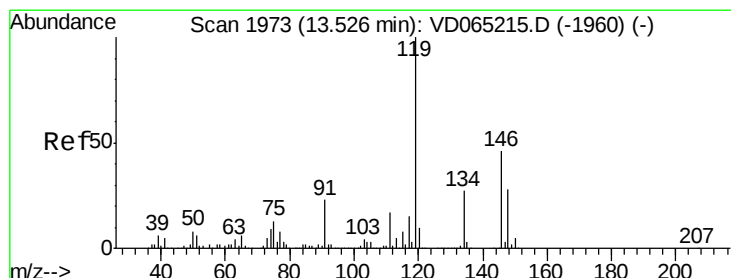
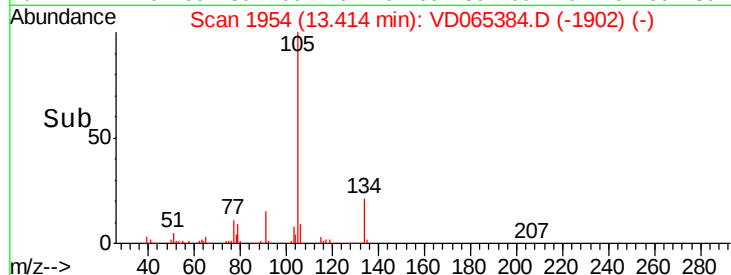
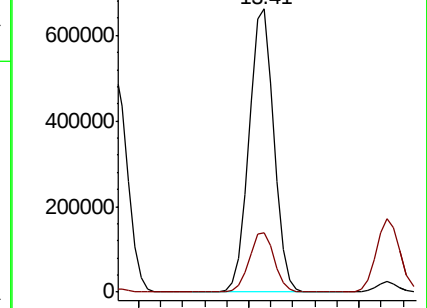
105 100

134 21.1 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.861 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

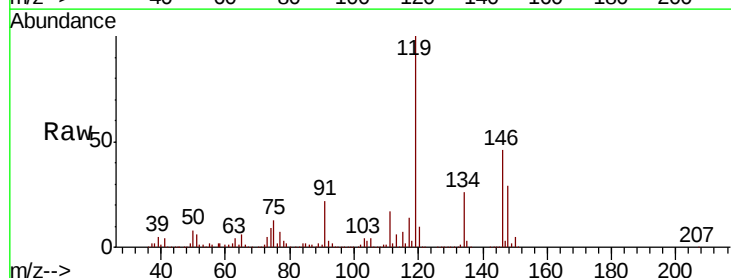
Tgt Ion:119 Resp: 967898

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

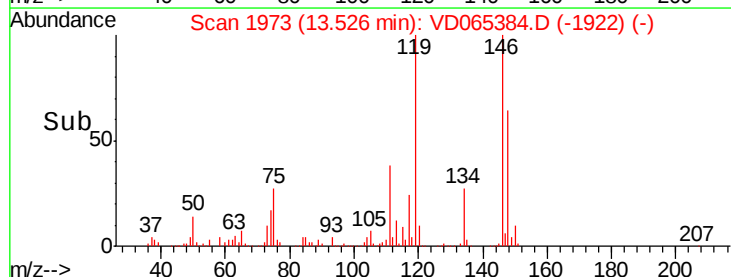
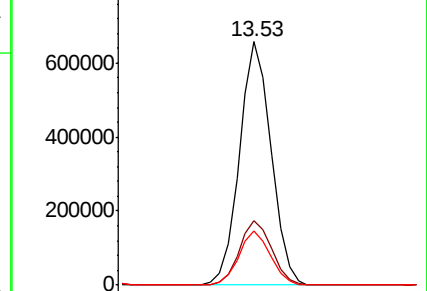
91 21.9 11.1 33.1

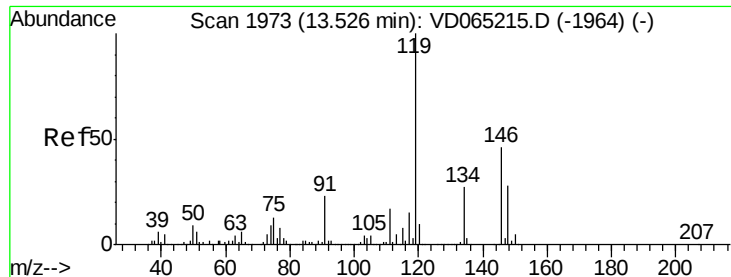


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.616 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065384.D

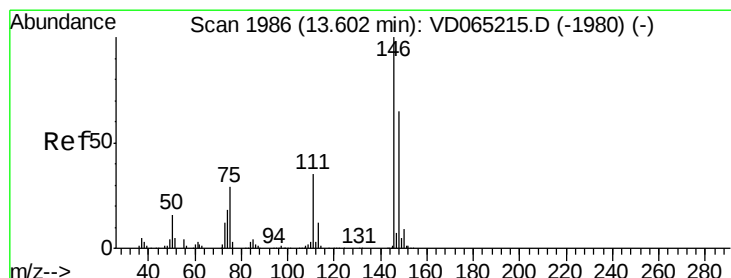
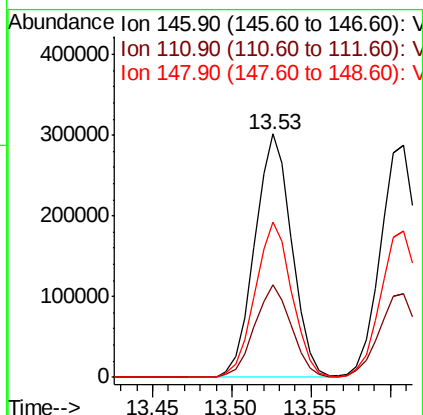
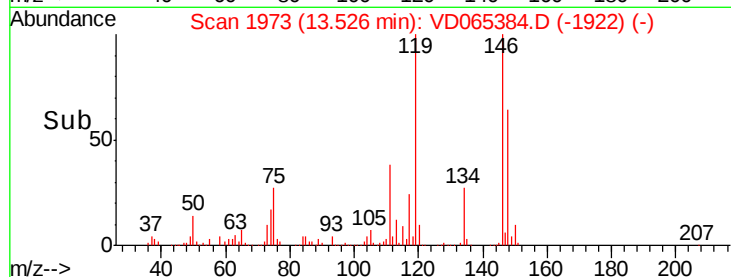
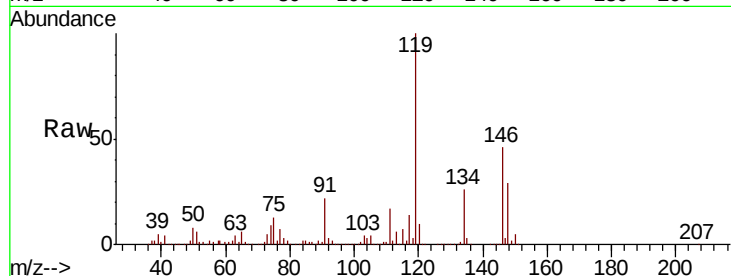
Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	489102
Ion	Ratio	Lower Upper
146	100	
111	37.6	18.6 55.8
148	63.6	31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 49.730 ug/l

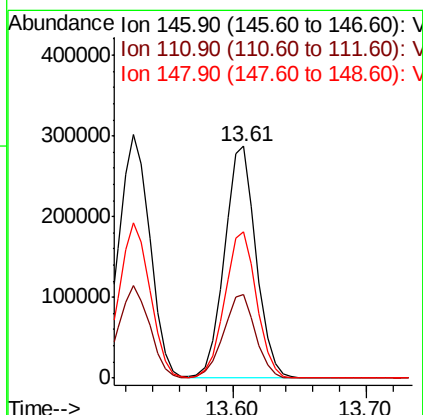
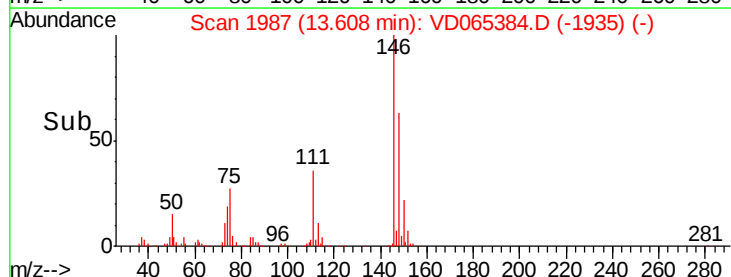
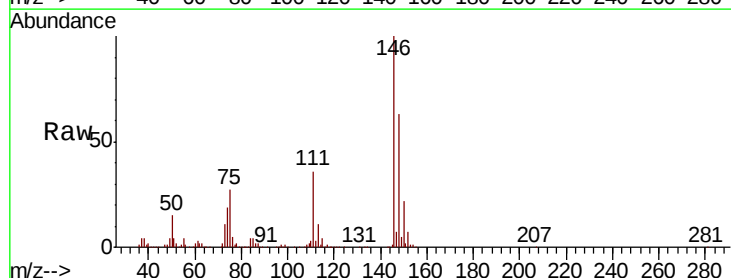
RT: 13.61 min Scan# 1987

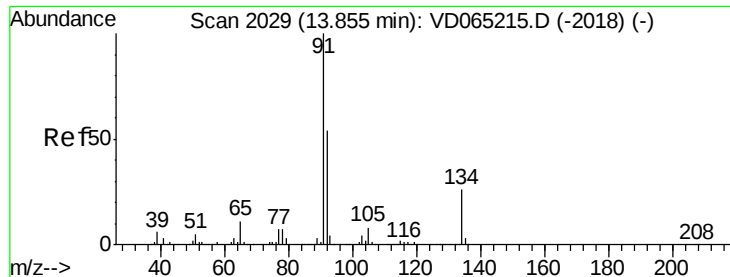
Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:146	Resp:	474271
Ion	Ratio	Lower Upper
146	100	
111	36.6	18.4 55.2
148	63.6	32.1 96.5

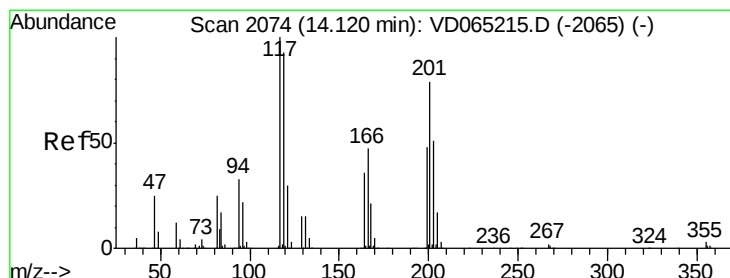
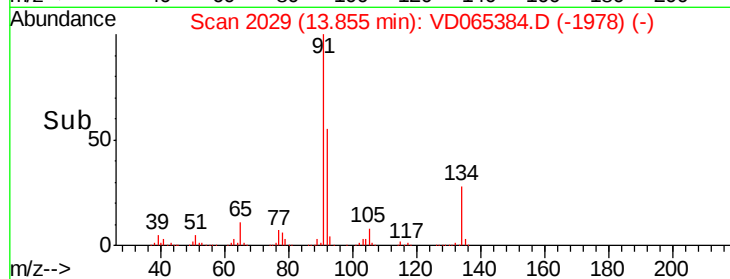
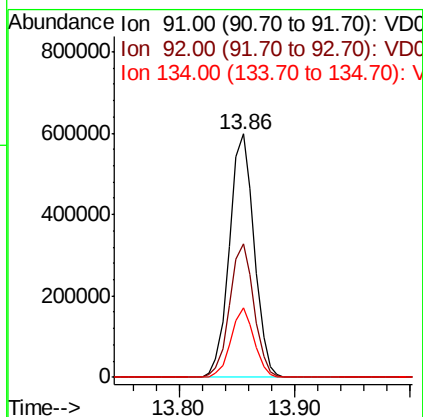
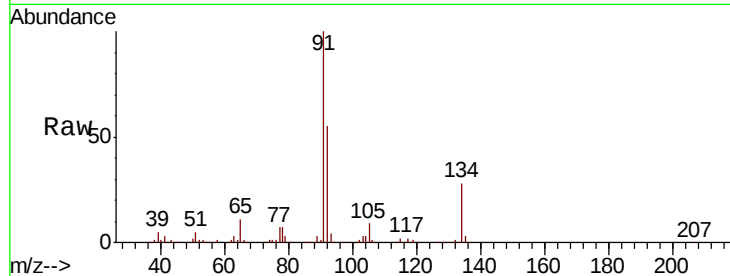




#89
n-Butylbenzene
Concen: 52.594 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

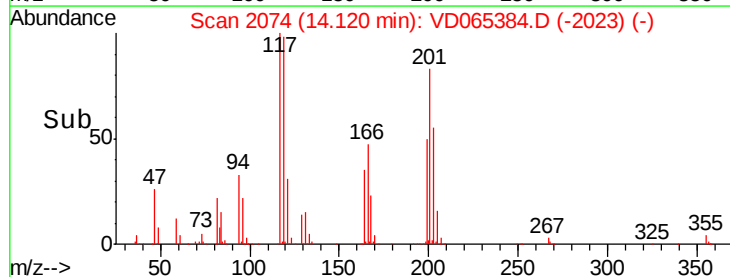
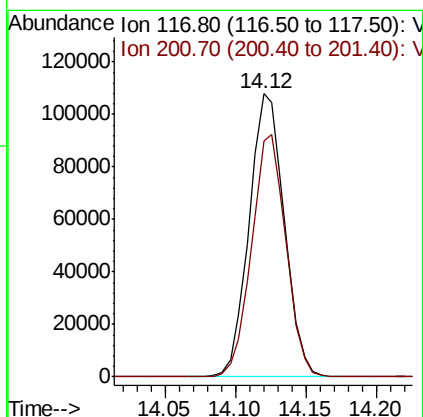
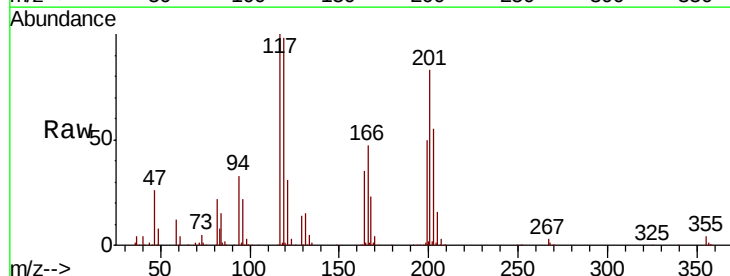
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 887405
Ion Ratio Lower Upper
91 100
92 54.0 27.0 80.8
134 26.8 13.5 40.4



#90
Hexachloroethane
Concen: 50.803 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 117 Resp: 188880
Ion Ratio Lower Upper
117 100
201 83.5 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 50.209 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

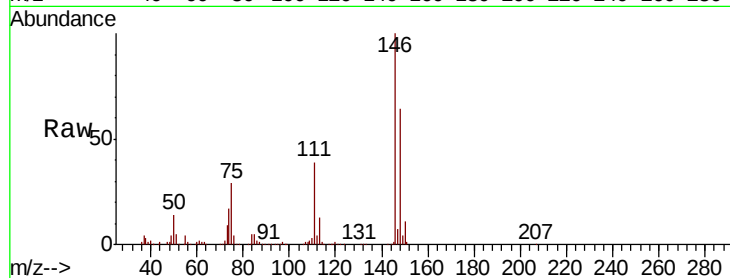
Tot Ion:146 Resp: 416590

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.0

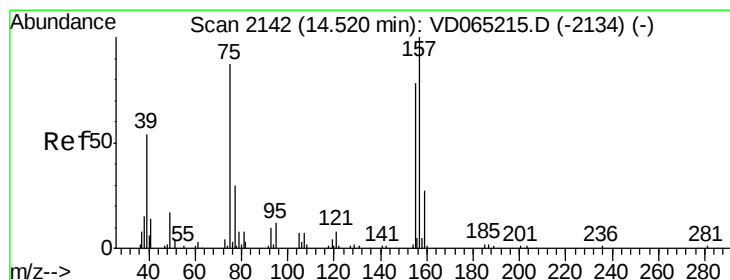
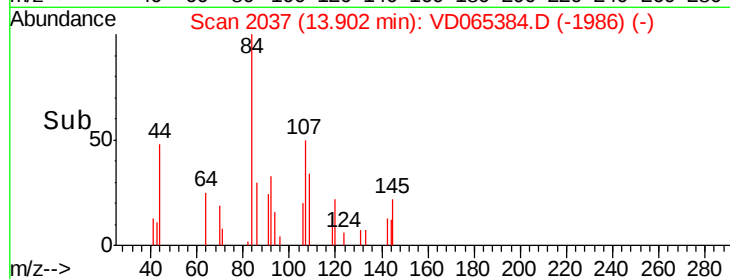
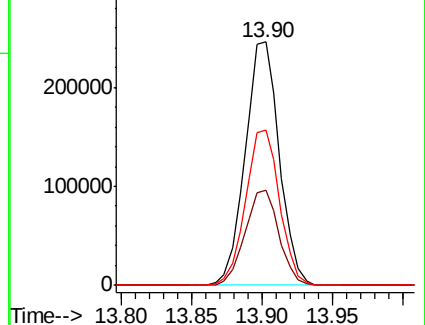
148 63.6 32.0 96.2



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: 49.459 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

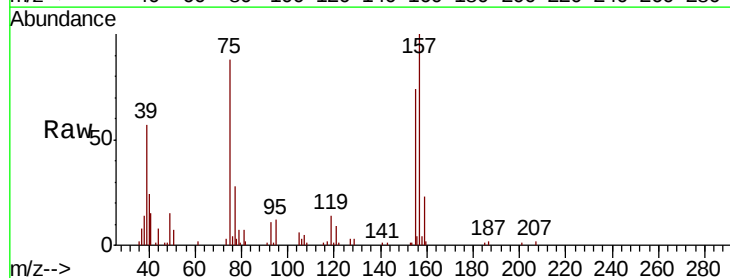
Tgt Ion: 75 Resp: 27689

Ion Ratio Lower Upper

75 100

155 90.0 42.3 126.9

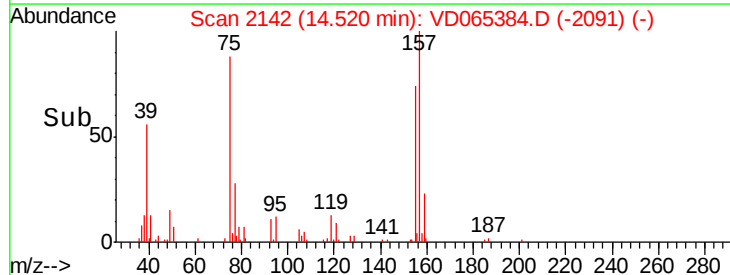
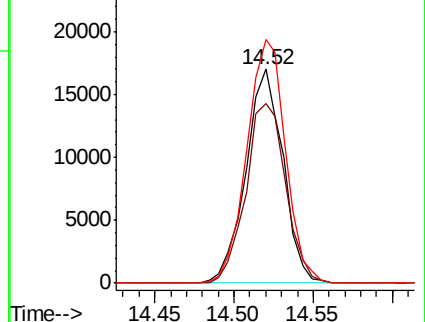
157 118.5 56.7 170.1



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

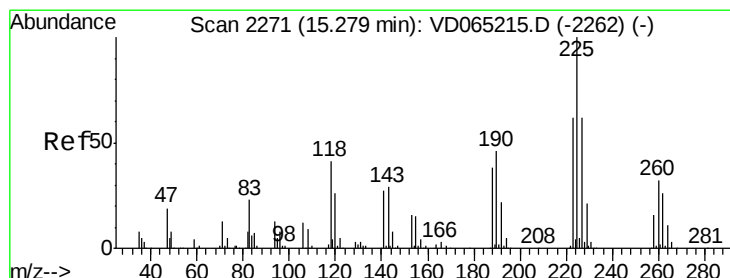
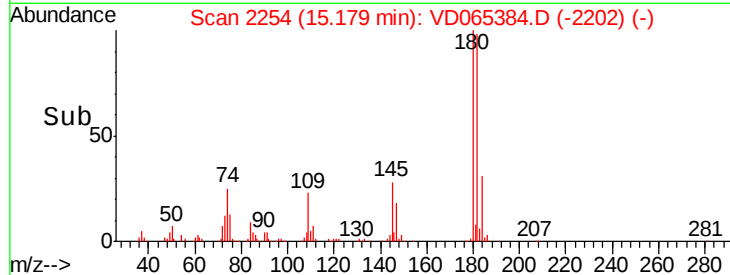
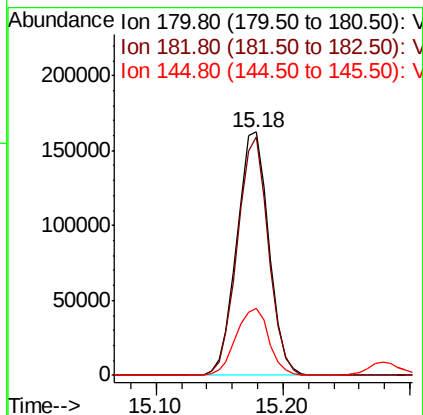
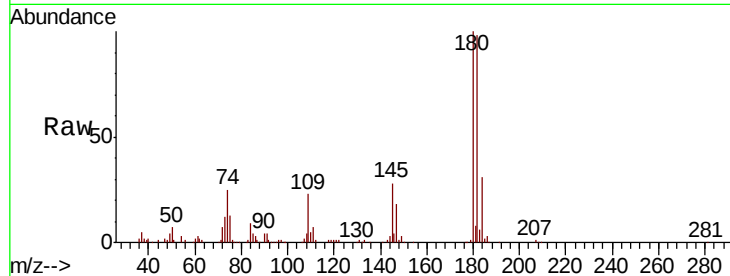




#93
 1,2,4-Trichlorobenzene
 Concen: 52.311 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

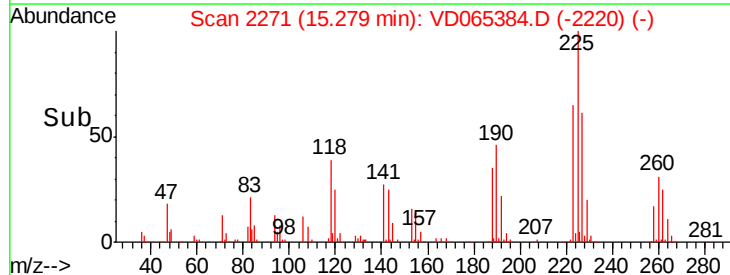
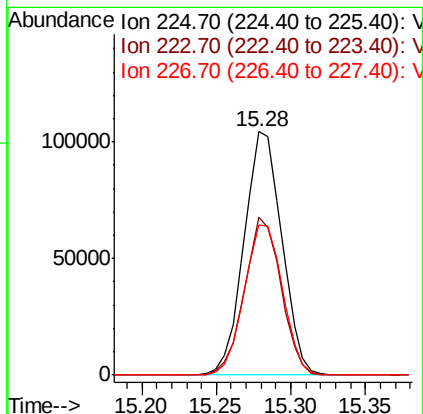
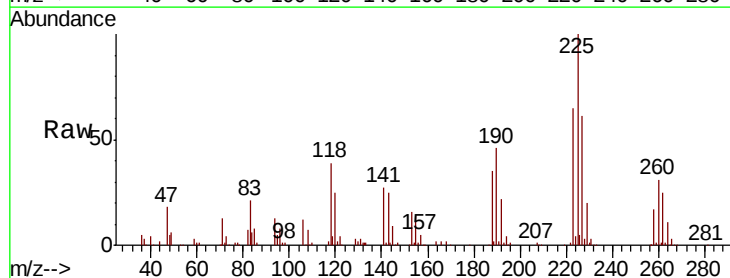
Instrument :
 MSVOA_D
 ClientSampleId :

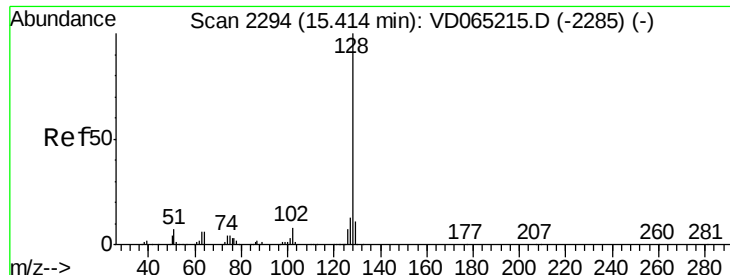
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.6
145	28.3	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 52.483 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	62.7	31.7	95.1

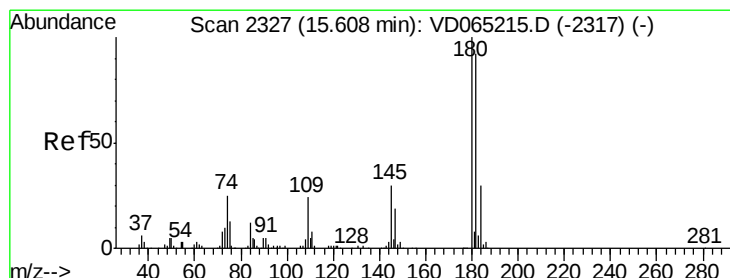
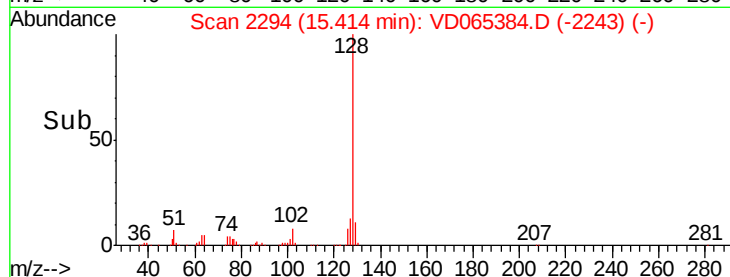
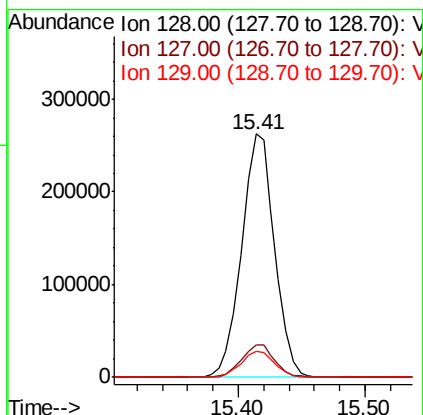
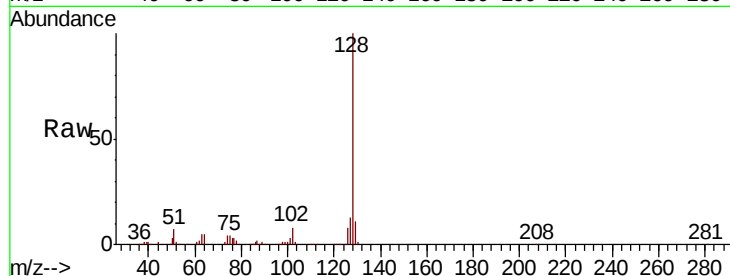




#95
Naphthalene
Concen: 53.505 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 472073
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.702 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion:180 Resp: 240327
Ion Ratio Lower Upper
180 100
182 98.8 46.9 140.6
145 31.9 15.4 46.1

