

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065284.D
 Acq On : 24 Feb 2020 10:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:18:40 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	522547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	758546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	680170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207148	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.92	113	227475	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.34	98	890177	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	281882	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	229453	52.353	ug/l	99
3) Chloromethane	2.21	50	267300	47.916	ug/l	99
4) Vinyl Chloride	2.36	62	272520	48.041	ug/l	97
5) Bromomethane	2.77	94	154048	44.915	ug/l	97
6) Chloroethane	2.93	64	166959	48.218	ug/l	93
7) Trichlorofluoromethane	3.27	101	399313	49.168	ug/l	99
8) Diethyl Ether	3.71	74	117851	48.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	259743	50.645	ug/l	99
10) Methyl Iodide	4.30	142	278721	52.341	ug/l	100
11) Tert butyl alcohol	5.24	59	60482	215.310	ug/l	97
12) 1,1-Dichloroethene	4.06	96	247067	50.996	ug/l	96
13) Acrolein	3.93	56	86851	252.728	ug/l	99
14) Allyl chloride	4.71	41	393365	49.999	ug/l	98
15) Acrylonitrile	5.43	53	251809	232.007	ug/l	99
16) Acetone	4.17	43	339747	295.657	ug/l	99
17) Carbon Disulfide	4.40	76	804131	49.507	ug/l	99
18) Methyl Acetate	4.73	43	113646	43.973	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	494135	48.909	ug/l	97
20) Methylene Chloride	4.96	84	260234	50.959	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	277029	50.299	ug/l	97
22) Diisopropyl ether	6.37	45	755013	49.781	ug/l	98
23) Vinyl Acetate	6.31	43	2069573	247.516	ug/l	100
24) 1,1-Dichloroethane	6.27	63	452452	48.095	ug/l	97
25) 2-Butanone	7.22	43	365126	251.137	ug/l	98
26) 2,2-Dichloropropane	7.21	77	407573	49.934	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	285289	48.901	ug/l	99
28) Bromochloromethane	7.55	49	169739	48.634	ug/l	100
29) Tetrahydrofuran	7.57	42	198025	232.459	ug/l	99
30) Chloroform	7.71	83	455841	48.096	ug/l	96
31) Cyclohexane	7.98	56	453623	49.077	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	420360	49.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	380474	51.550	ug/l	99
37) Ethyl Acetate	7.30	43	136916	44.375	ug/l	98
38) Carbon Tetrachloride	8.10	117	383180	50.999	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	482233	55.576	ug/l	98
40) Benzene	8.36	78	1052436	50.518	ug/l	99
41) Methacrylonitrile	7.53	41	83212	46.708	ug/l	94
42) 1,2-Dichloroethane	8.43	62	266640	46.557	ug/l	100
43) Isopropyl Acetate	8.46	43	261166	46.547	ug/l	98
44) Trichloroethene	9.11	130	296769	51.391	ug/l	96
45) 1,2-Dichloropropane	9.39	63	261339	50.449	ug/l	98
46) Dibromomethane	9.48	93	128795	48.322	ug/l	99
47) Bromodichloromethane	9.67	83	344035	48.979	ug/l	98
48) Methyl methacrylate	9.46	41	126375	48.728	ug/l	95
49) 1,4-Dioxane	9.47	88	27912	892.890	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	694518	243.707	ug/l	100
52) Toluene	10.41	92	681245	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	328656	50.479	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	403959	51.382	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	182975	48.774	ug/l	99
56) Ethyl methacrylate	10.67	69	220841	51.002	ug/l	98
57) 1,3-Dichloropropane	10.95	76	314060	49.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	298963	219.000	ug/l	99
59) 2-Hexanone	10.99	43	569087	278.963	ug/l	97
60) Dibromochloromethane	11.14	129	234025	48.739	ug/l	100
61) 1,2-Dibromoethane	11.25	107	175175	49.318	ug/l	98
64) Tetrachloroethene	10.88	164	253143	52.476	ug/l	94
65) Chlorobenzene	11.68	112	699156	51.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	254433	49.952	ug/l	99
67) Ethyl Benzene	11.75	91	1270705	53.156	ug/l	99
68) m/p-Xylenes	11.86	106	986403	107.851	ug/l	98
69) o-Xylene	12.18	106	437490	53.992	ug/l	100
70) Styrene	12.20	104	762308	52.988	ug/l	99
71) Bromoform	12.37	173	137076	48.498	ug/l #	99
73) Isopropylbenzene	12.48	105	1215577	56.456	ug/l	100
74) N-amyl acetate	12.30	43	239084	49.972	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	190970	49.144	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	248430	89.780	ug/l #	100
77) Bromobenzene	12.77	156	280418	52.448	ug/l	99
78) n-propylbenzene	12.83	91	1448682	55.988	ug/l	99
79) 2-Chlorotoluene	12.91	91	781614	53.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	993216	56.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61618	48.081	ug/l	98
82) 4-Chlorotoluene	13.01	91	821661	53.394	ug/l	100
83) tert-Butylbenzene	13.23	119	869145	58.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	975359	54.949	ug/l	100
85) sec-Butylbenzene	13.41	105	1206075	56.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	1113242	56.839	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	534717	51.733	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	523870	51.353	ug/l	99
89) n-Butylbenzene	13.86	91	1017027	56.351	ug/l	99
90) Hexachloroethane	14.12	117	212396	53.408	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	454978	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28896	48.253	ug/l	93

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 25 01:18:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

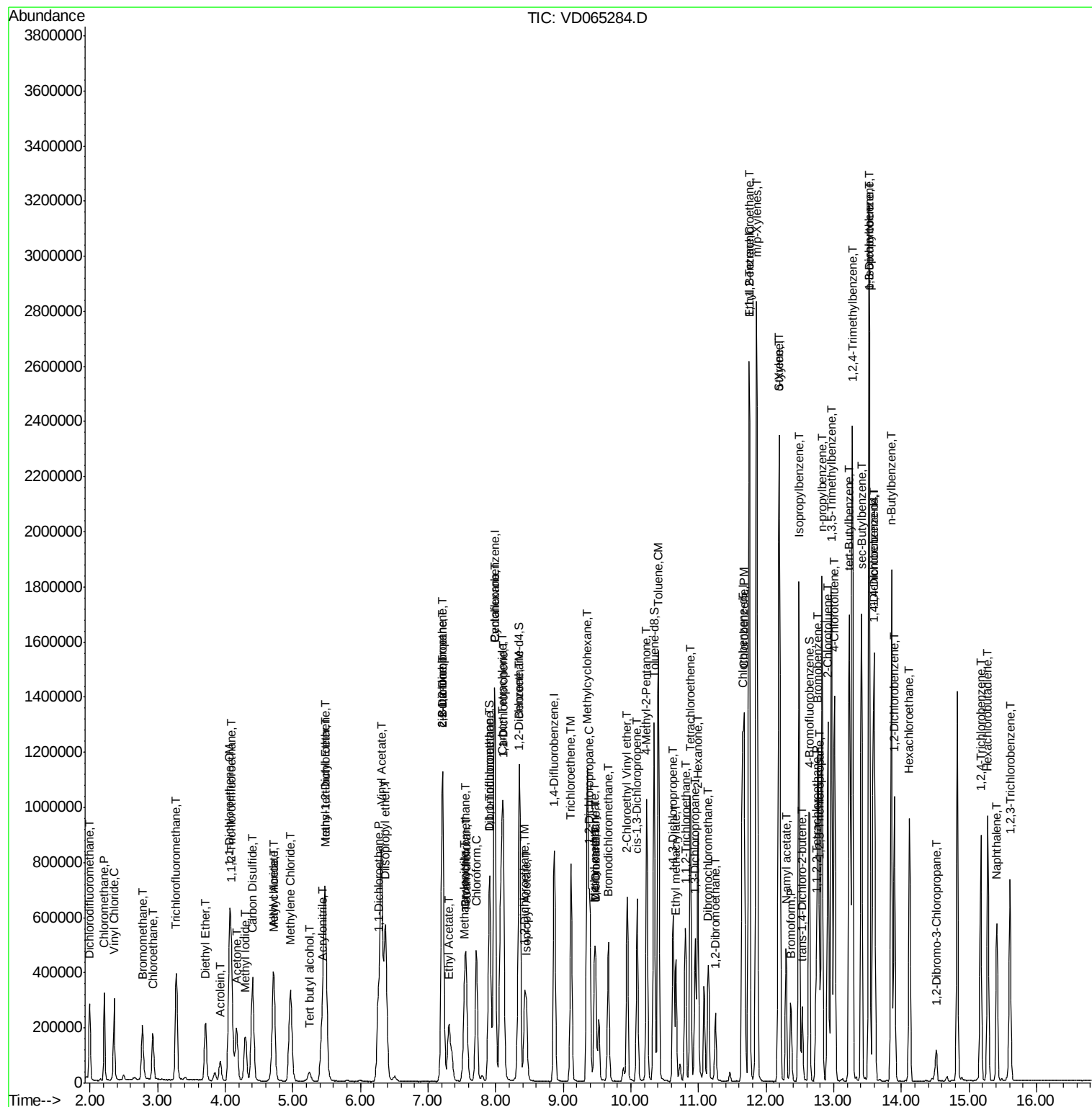
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316819	54.575	ug/l	97
94) Hexachlorobutadiene	15.28	225	202505	54.379	ug/l	99
95) Naphthalene	15.41	128	513618	54.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	270645	53.380	ug/l	98

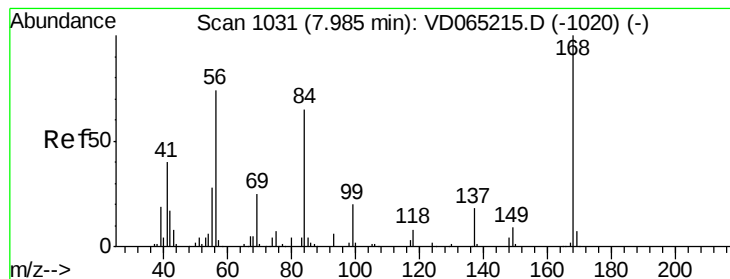
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065284.D
 Acq On : 24 Feb 2020 10:00
 Operator : VA/SY
 Sample : VSTDC0050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:18:40 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

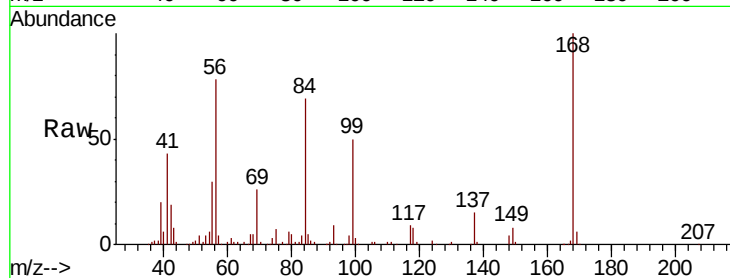
ClientSampleId :

Tot Ion:168 Resp: 522547

Ion Ratio Lower Upper

168 100

99 50.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

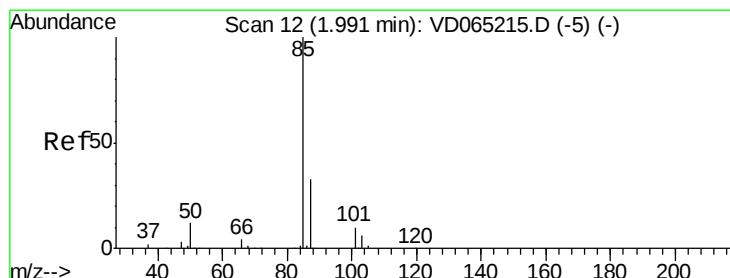
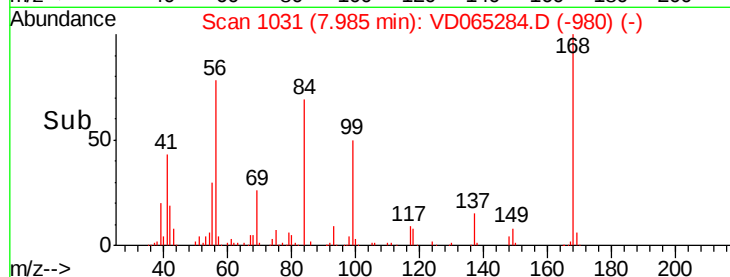
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.353 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065284.D

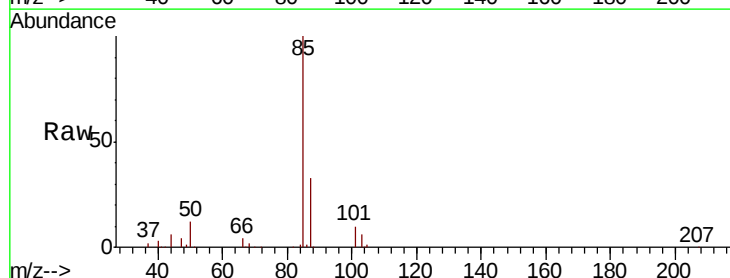
Acq: 24 Feb 2020 10:00

Tgt Ion: 85 Resp: 229453

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

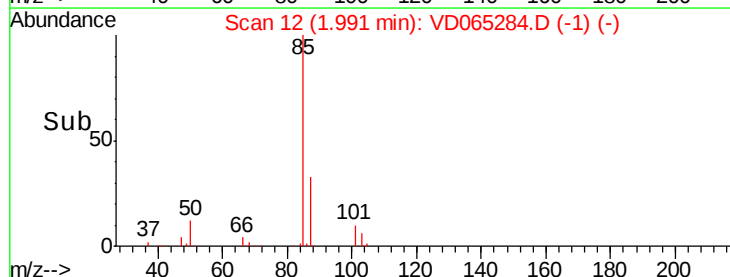
150000

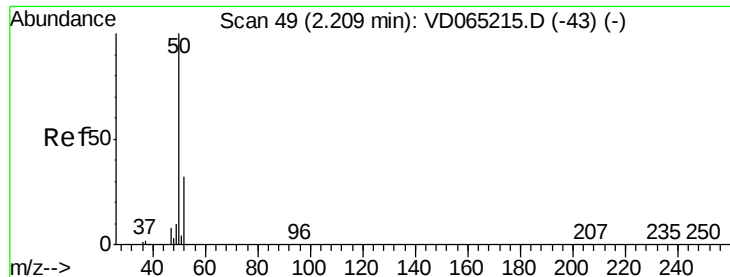
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

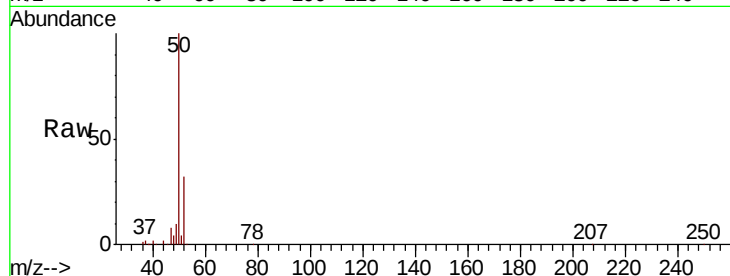
ClientSampleId :

Tot Ion: 50 Resp: 267300

Ion Ratio Lower Upper

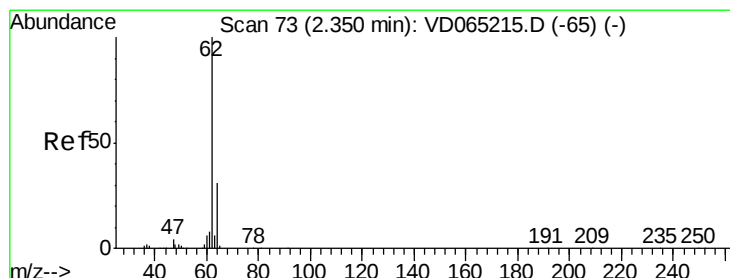
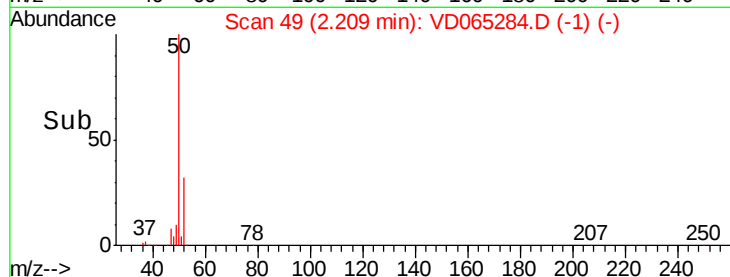
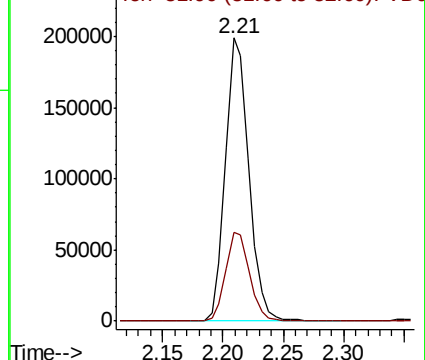
50 100

52 31.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.041 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065284.D

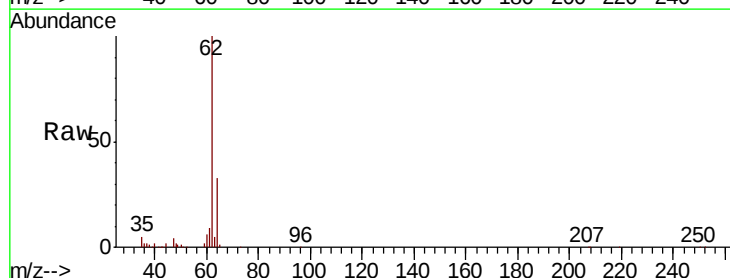
Acq: 24 Feb 2020 10:00

Tgt Ion: 62 Resp: 272520

Ion Ratio Lower Upper

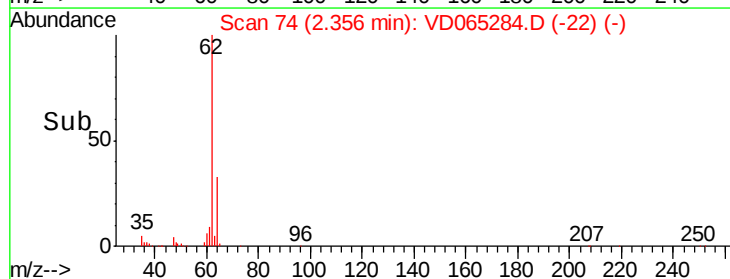
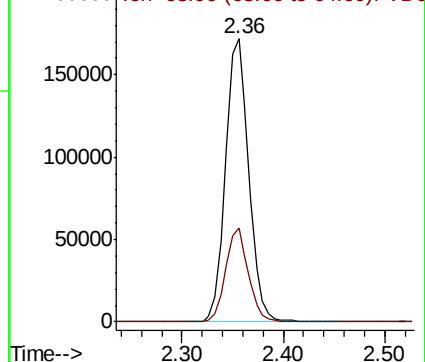
62 100

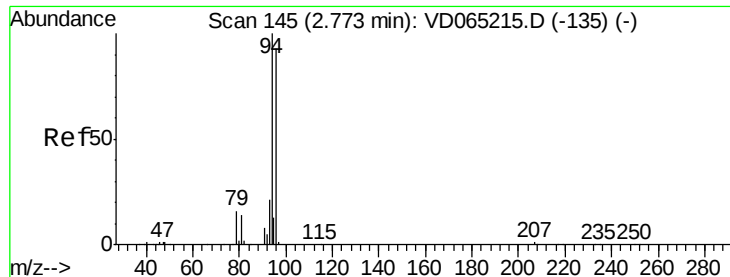
64 33.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.915 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

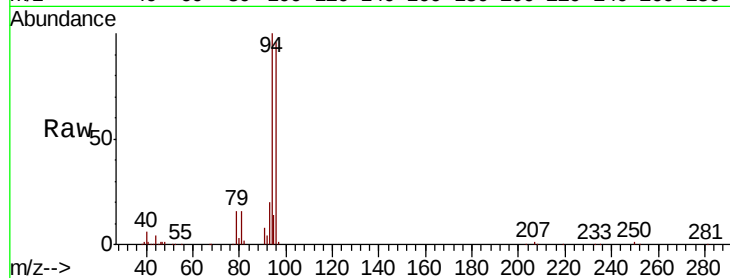
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 154048

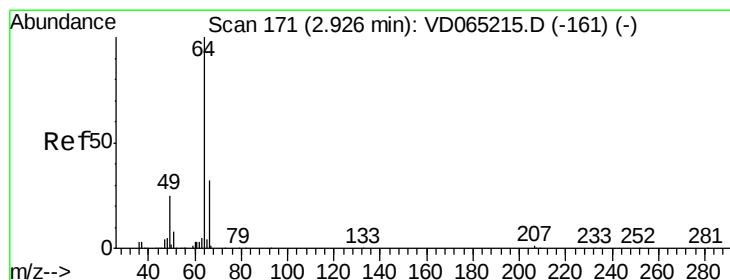
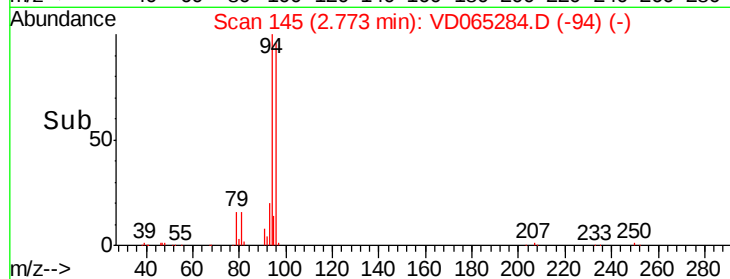
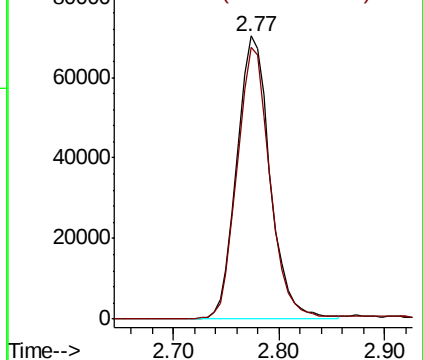
Ion Ratio Lower Upper

94 100

96 96.0 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: 48.218 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065284.D

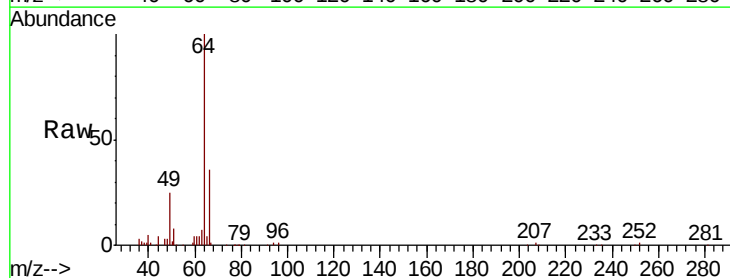
Acq: 24 Feb 2020 10:00

Tgt Ion: 64 Resp: 166959

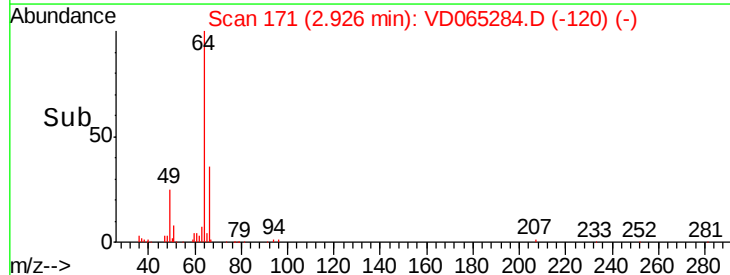
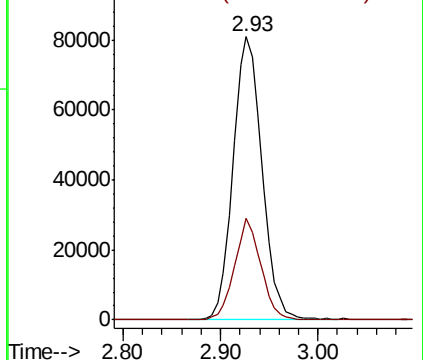
Ion Ratio Lower Upper

64 100

66 36.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



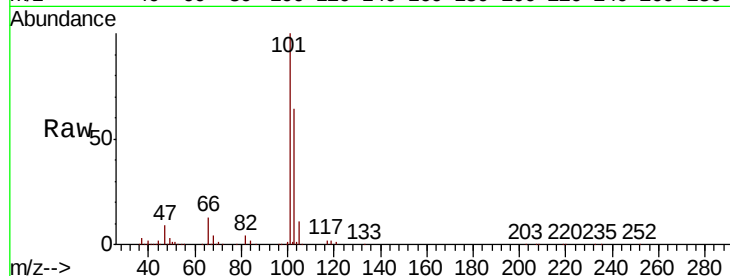


#7

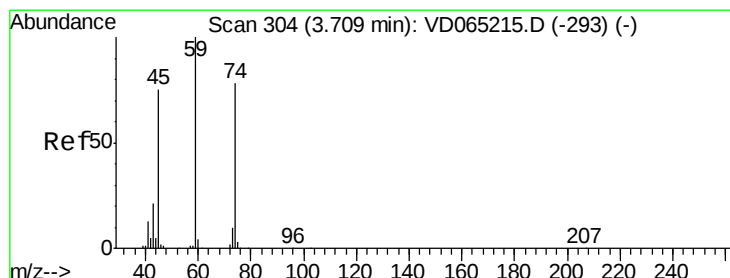
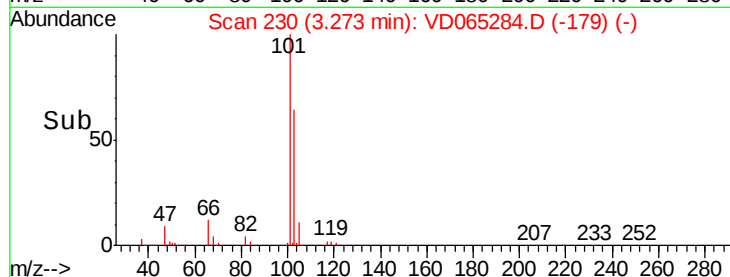
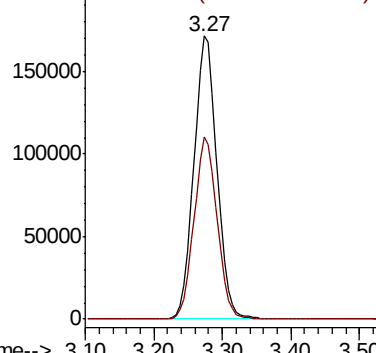
Trichlorofluoromethane
Concen: 49.168 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 399313
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1



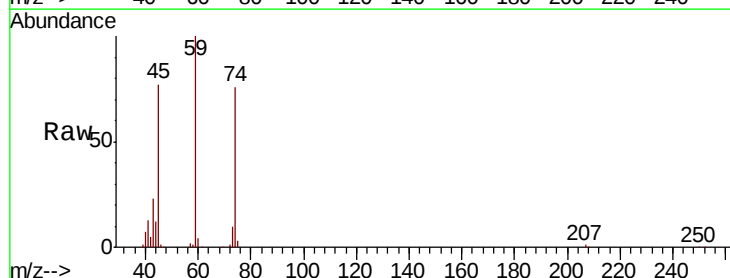
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



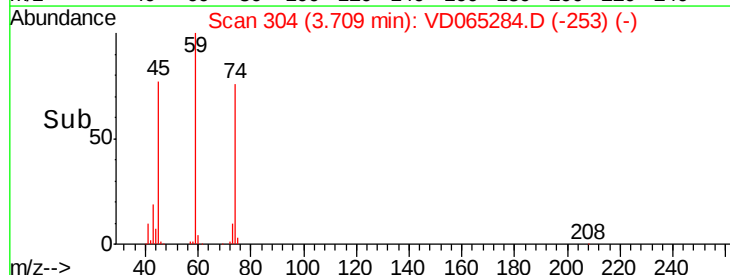
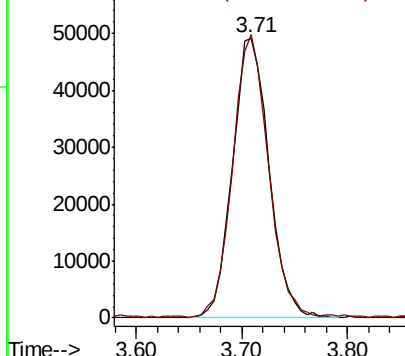
#8

Diethyl Ether
Concen: 48.074 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 74 Resp: 117851
Ion Ratio Lower Upper
74 100
45 98.8 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: 50.645 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampled :

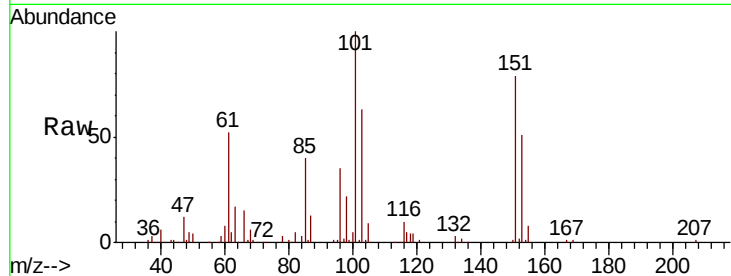
Tot Ion:101 Resp: 259743

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

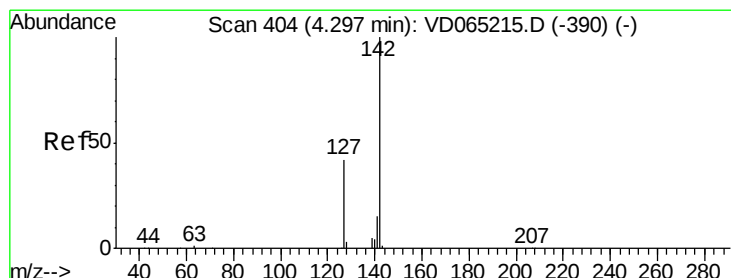
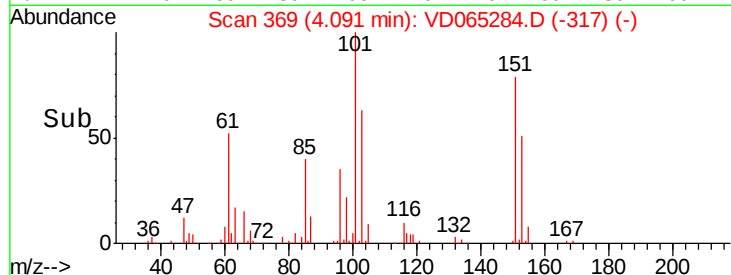
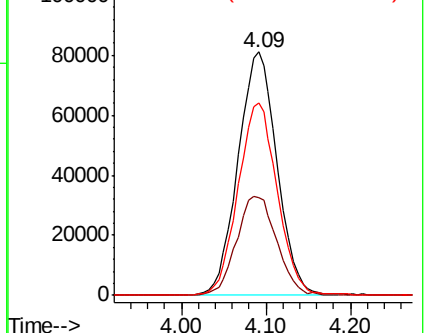
151 79.3 63.5 95.3



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: 52.341 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

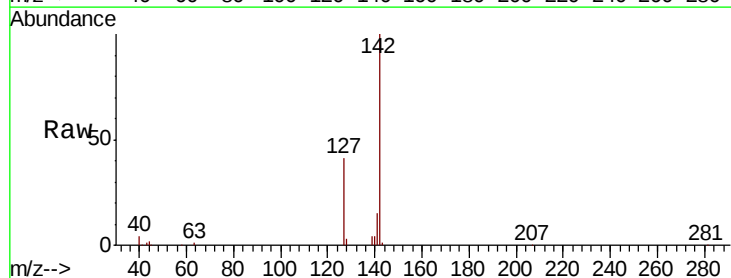
Tgt Ion:142 Resp: 278721

Ion Ratio Lower Upper

142 100

127 42.6 33.8 50.8

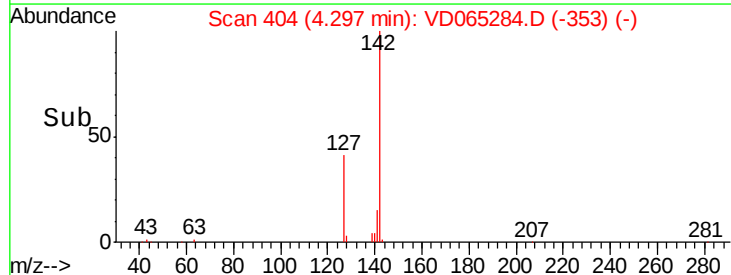
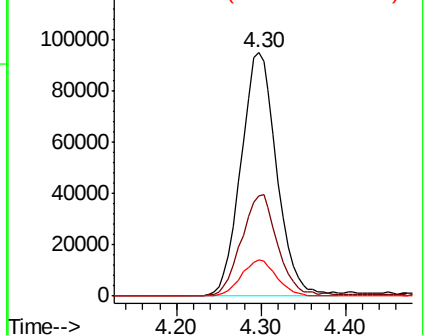
141 14.8 11.7 17.5

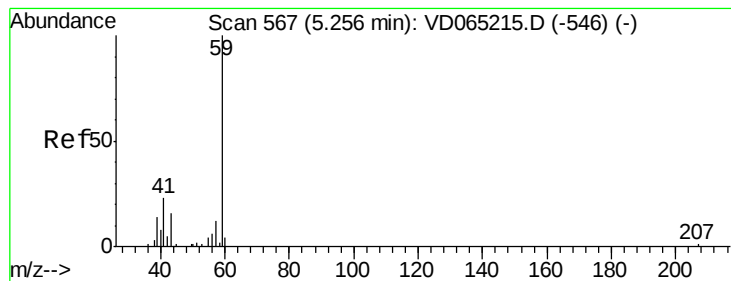


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



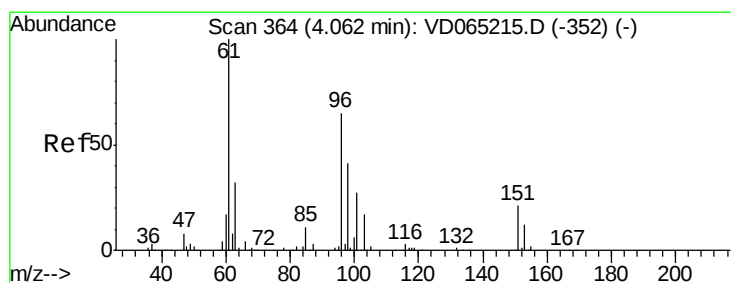
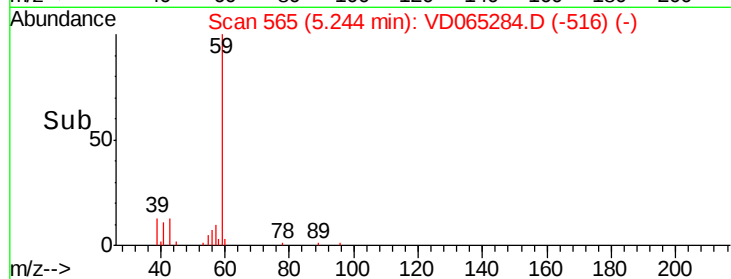
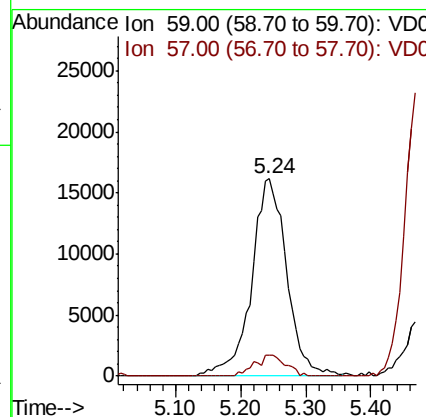
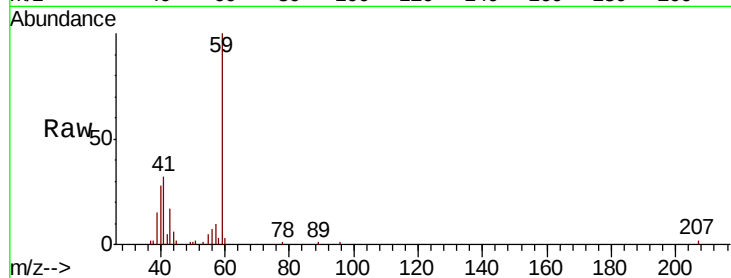


#11

Tert butyl alcohol
Concen: 215.310 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampled :

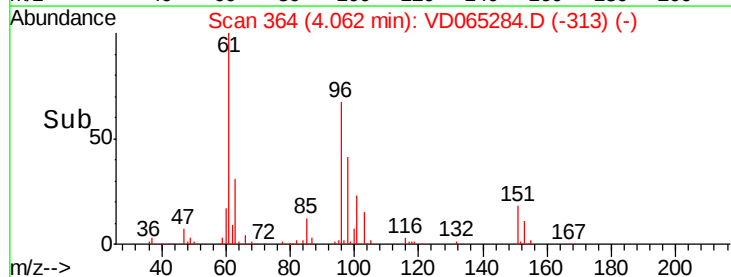
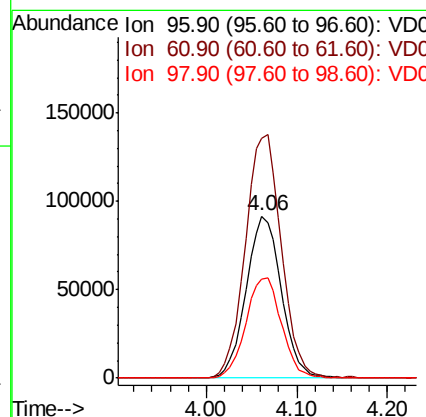
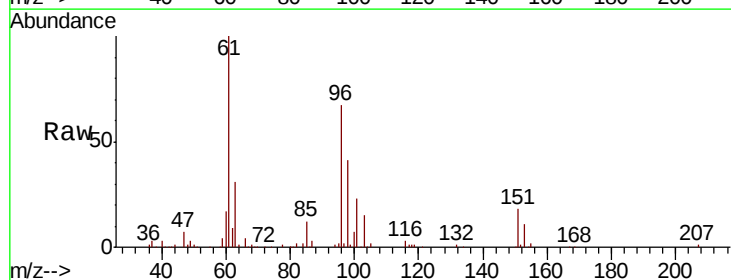
Tot Ion: 59 Resp: 60482
Ion Ratio Lower Upper
59 100
57 9.5 8.4 12.6



#12

1,1-Dichloroethene
Concen: 50.996 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 96 Resp: 247067
Ion Ratio Lower Upper
96 100
61 148.4 123.3 184.9
98 61.4 51.0 76.4





#13

Acrolein

Concen: 252.728 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

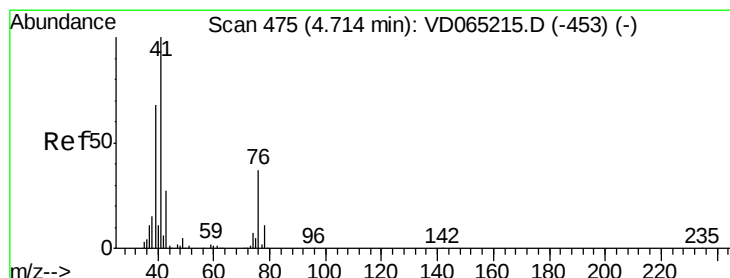
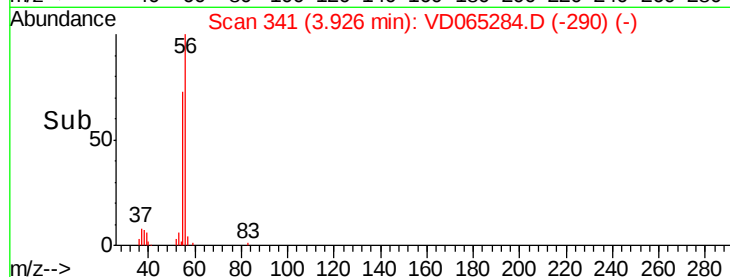
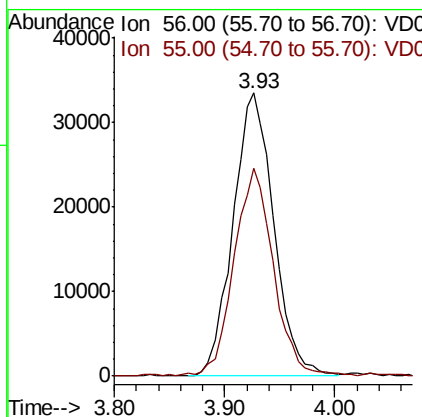
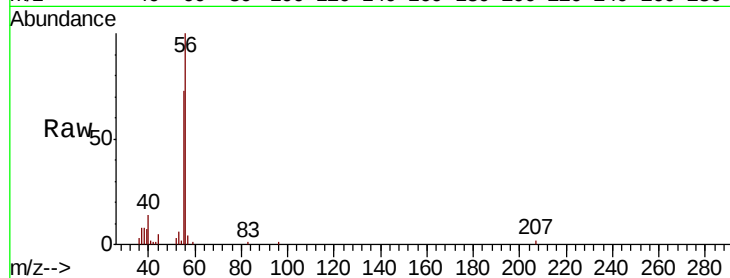
ClientSampleId :

Tot Ion: 56 Resp: 86851

Ion Ratio Lower Upper

56 100

55 71.3 56.6 85.0



#14

Allyl chloride

Concen: 49.999 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

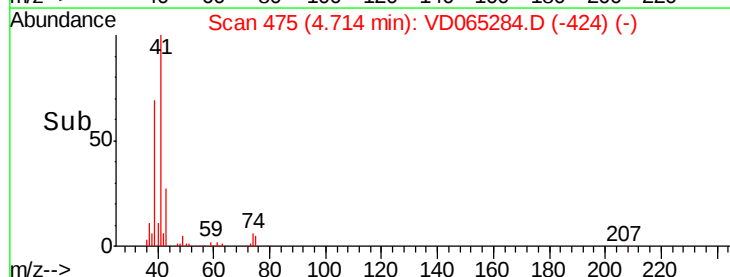
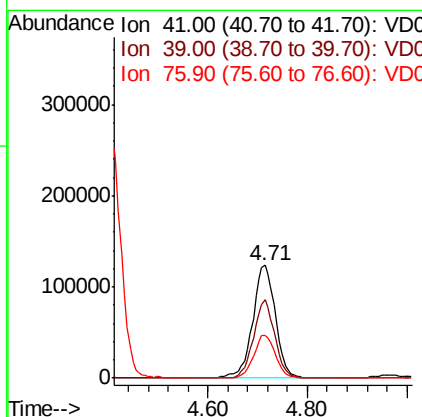
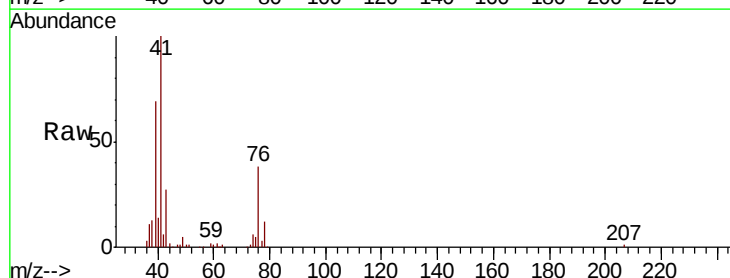
Tgt Ion: 41 Resp: 393365

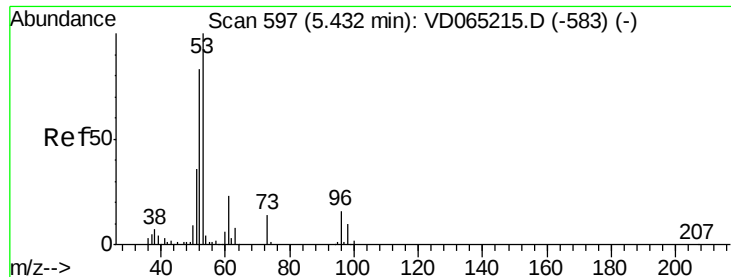
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 36.4 28.7 43.1





#15

Acrylonitrile

Concen: 232.007 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampled :

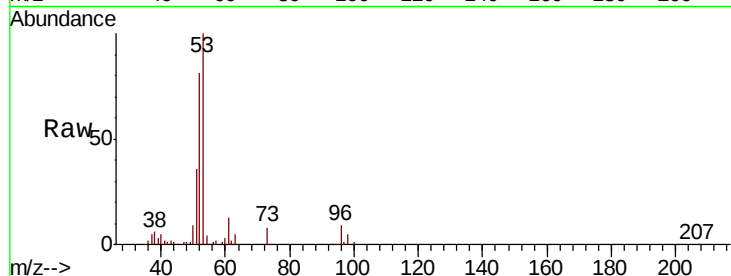
Tot Ion: 53 Resp: 251809

Ion Ratio Lower Upper

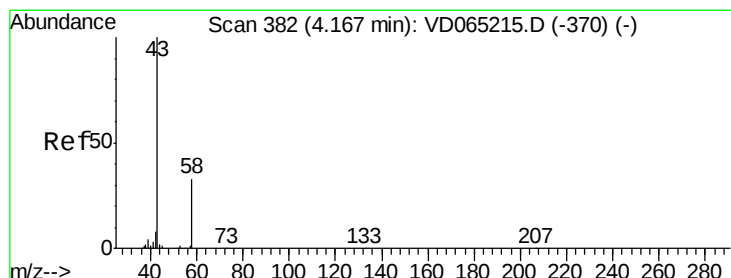
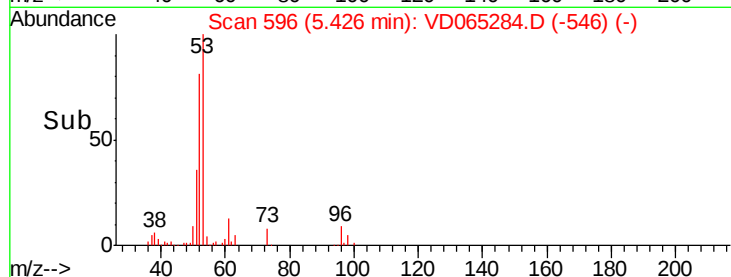
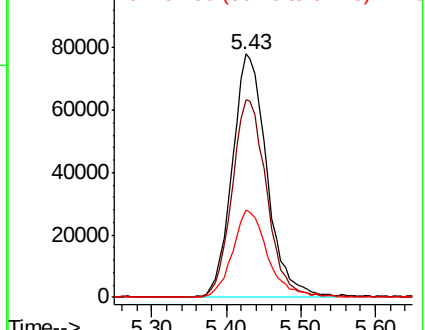
53 100

52 81.0 65.4 98.2

51 36.5 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: 295.657 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065284.D

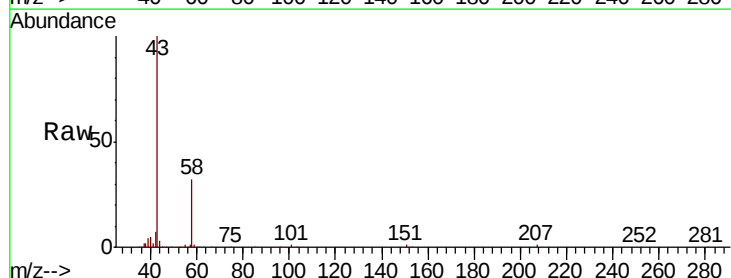
Acq: 24 Feb 2020 10:00

Tgt Ion: 43 Resp: 339747

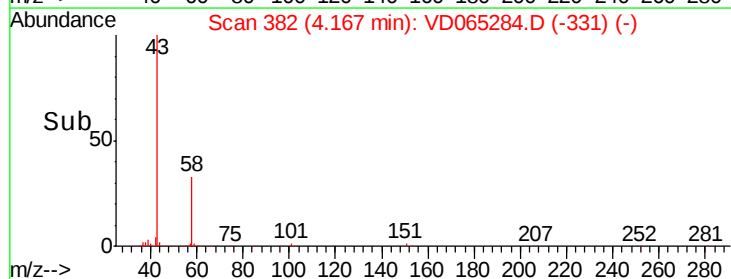
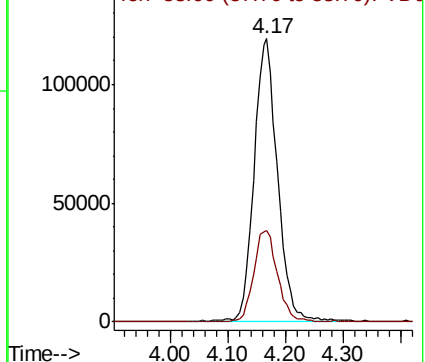
Ion Ratio Lower Upper

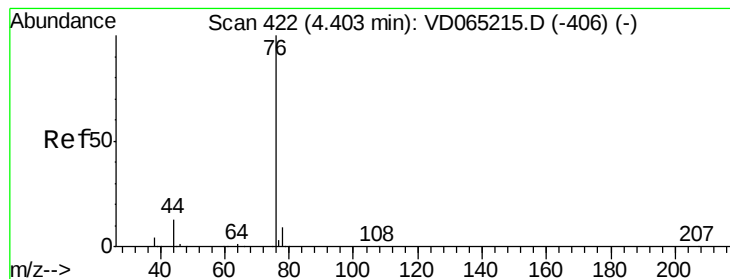
43 100

58 32.1 26.2 39.2



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





#17

Carbon Disulfide

Concen: 49.507 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

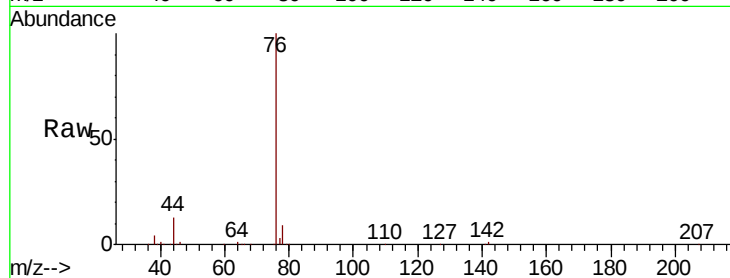
ClientSampleId :

Tot Ion: 76 Resp: 804131

Ion Ratio Lower Upper

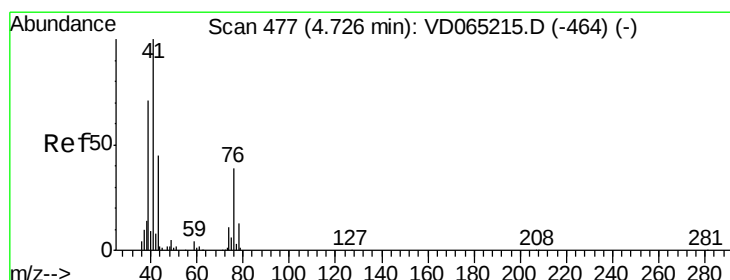
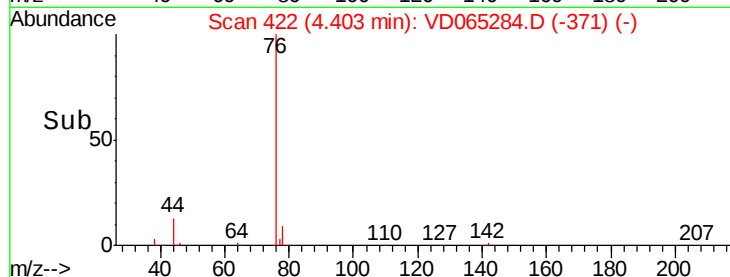
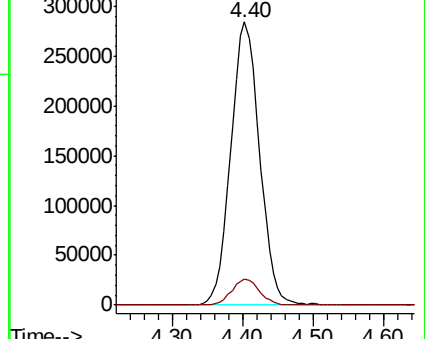
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 43.973 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065284.D

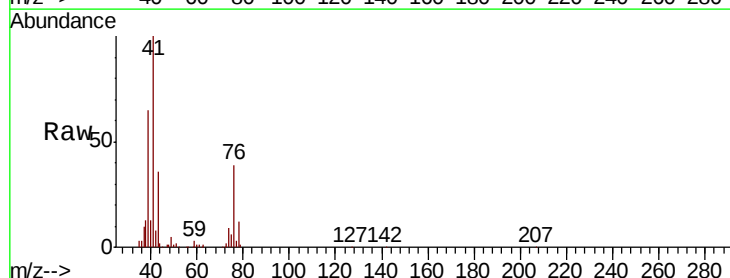
Acq: 24 Feb 2020 10:00

Tgt Ion: 43 Resp: 113646

Ion Ratio Lower Upper

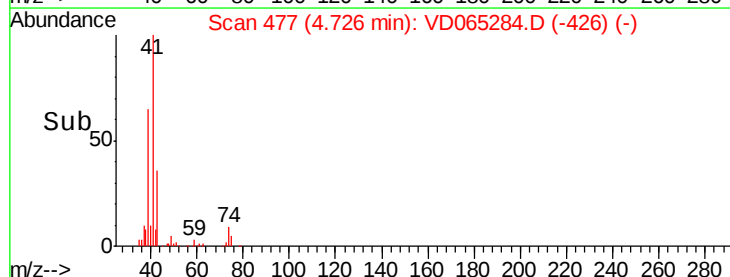
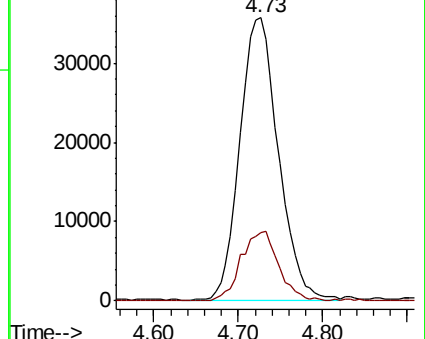
43 100

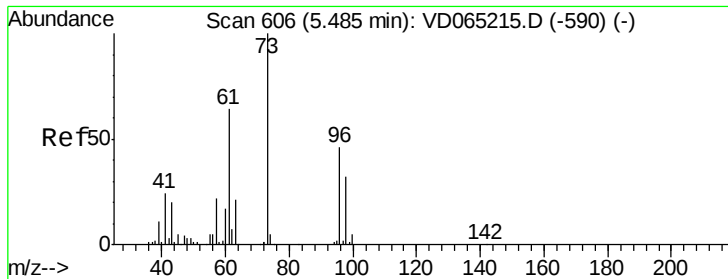
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

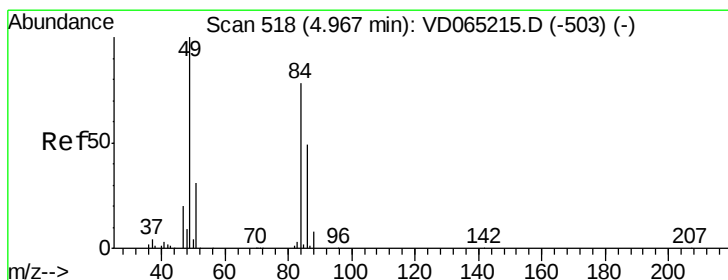
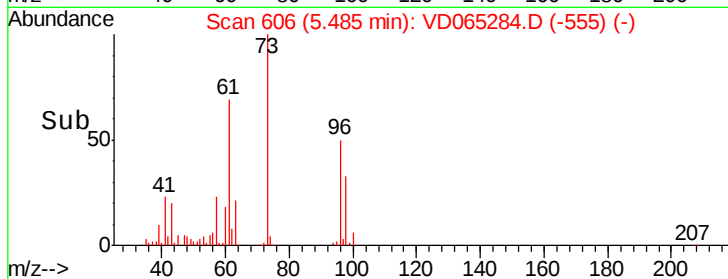
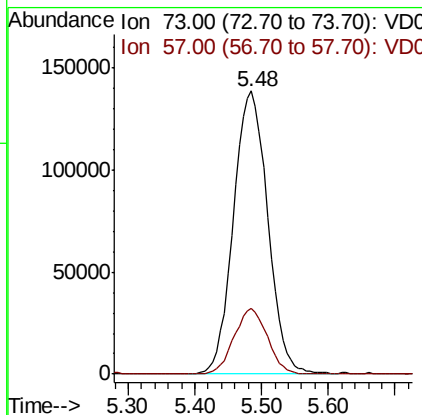
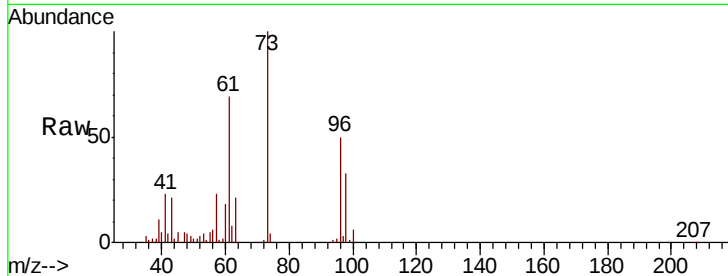




#19
Methvl tert-butvl Ether
Concen: 48.909 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

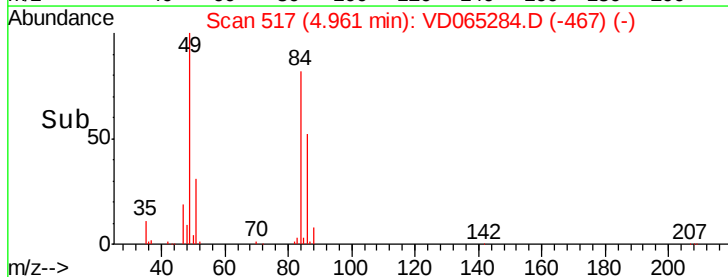
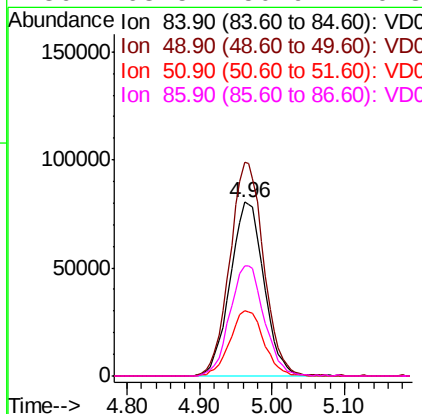
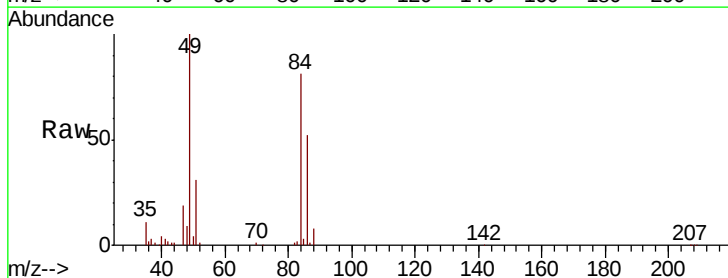
Instrument :
MSVOA_D
ClientSampleId :

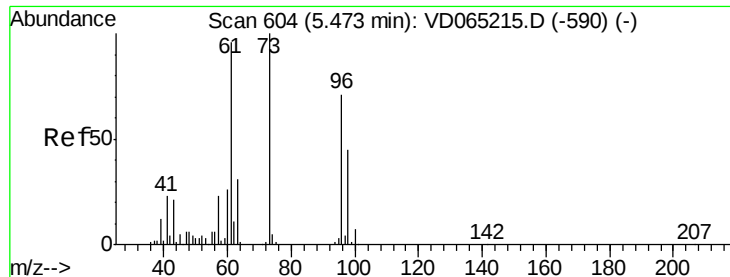
Tot Ion: 73 Resp: 494135
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 50.959 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 84 Resp: 260234
Ion Ratio Lower Upper
84 100
49 122.7 103.1 154.7
51 37.9 31.7 47.5
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.299 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampled :

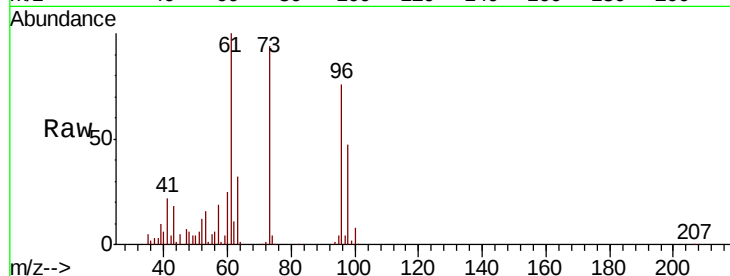
Tot Ion: 96 Resp: 277029

Ion Ratio Lower Upper

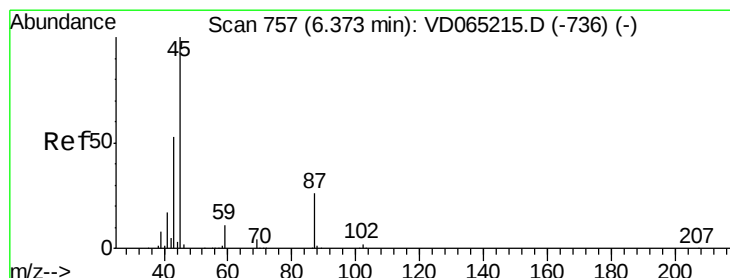
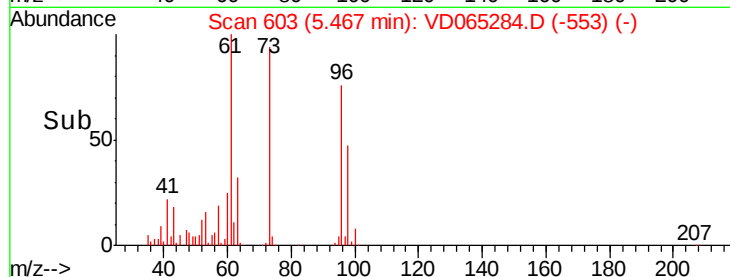
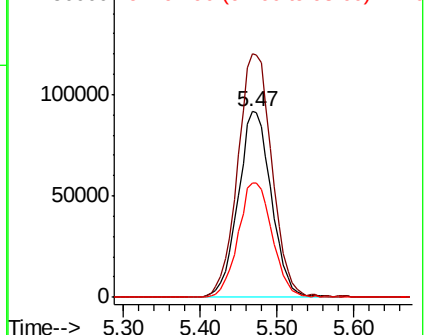
96 100

61 131.2 108.3 162.5

98 61.9 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: 49.781 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion: 45 Resp: 755013

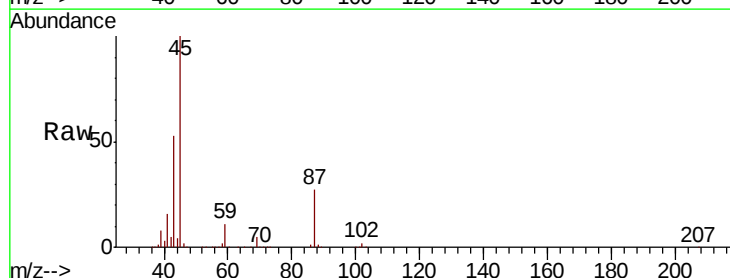
Ion Ratio Lower Upper

45 100

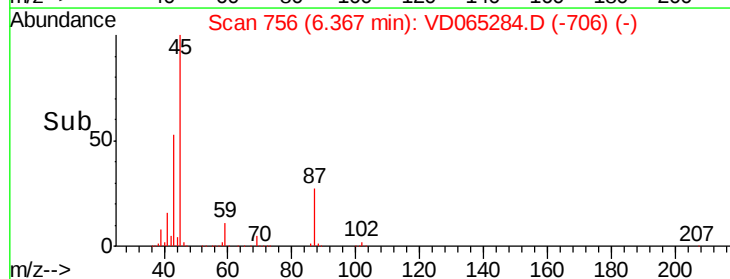
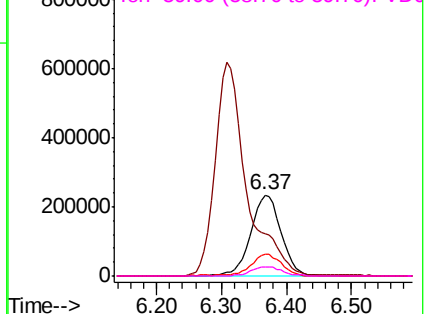
43 51.7 42.6 64.0

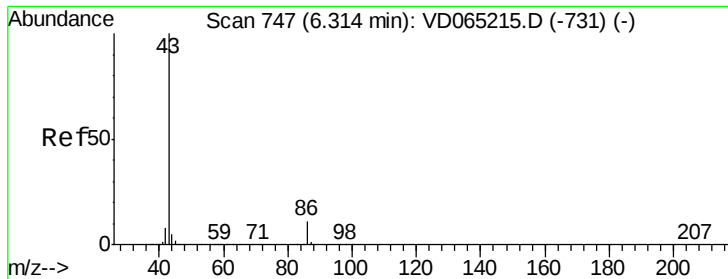
87 26.8 21.2 31.8

59 11.3 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: 247.516 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

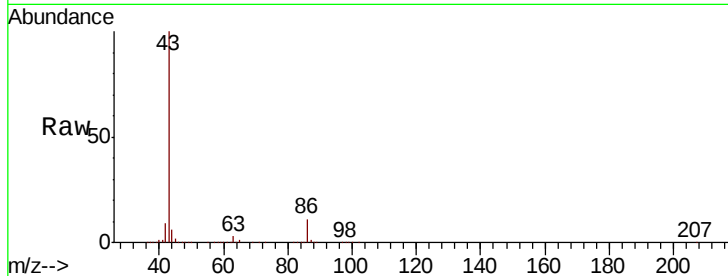
ClientSampled :

Tot Ion: 43 Resp: 2069573

Ion Ratio Lower Upper

43 100

86 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

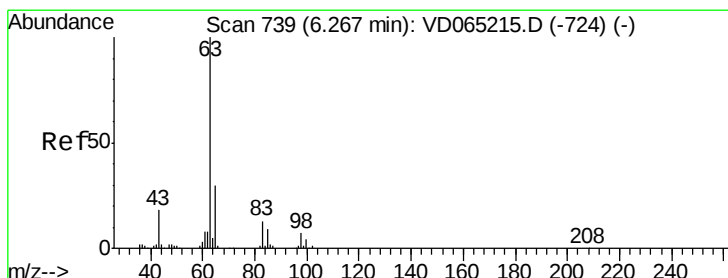
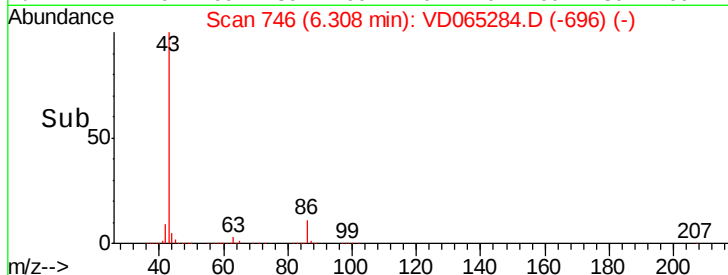
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.095 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

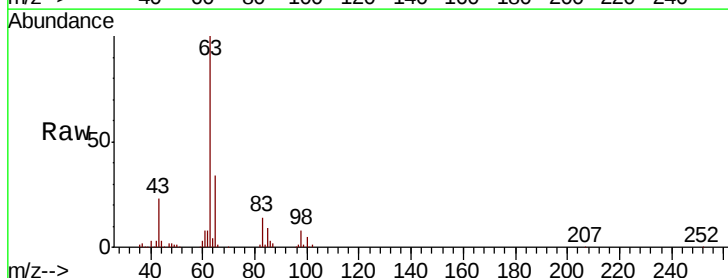
Tgt Ion: 63 Resp: 452452

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 5.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

200000

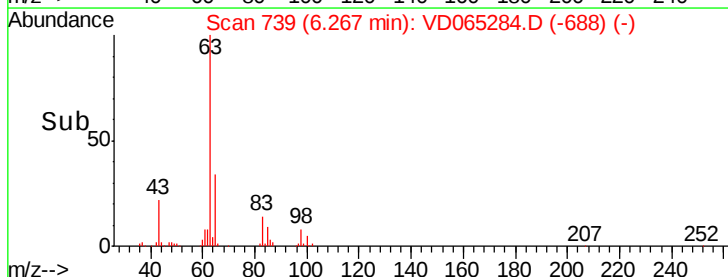
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 251.137 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

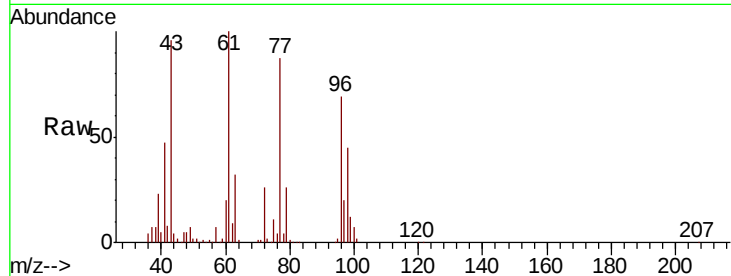
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 365126

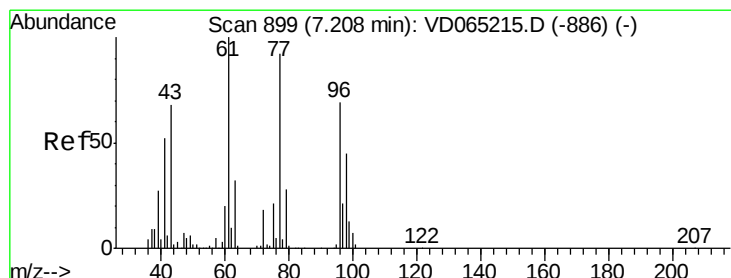
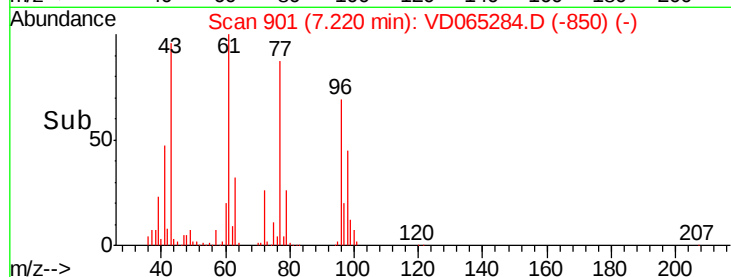
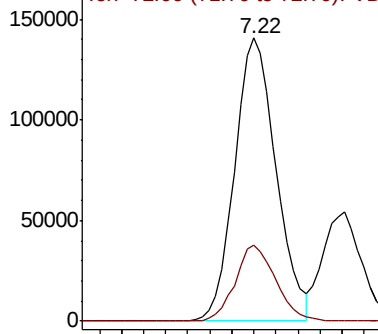
Ion Ratio Lower Upper

43 100

72 26.9 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: 49.934 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065284.D

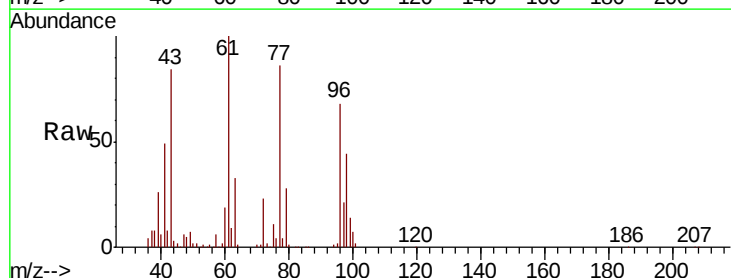
Acq: 24 Feb 2020 10:00

Tgt Ion: 77 Resp: 407573

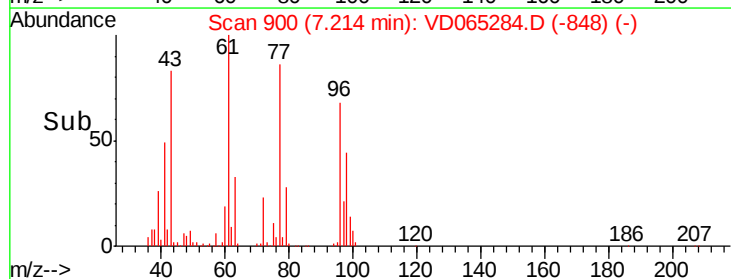
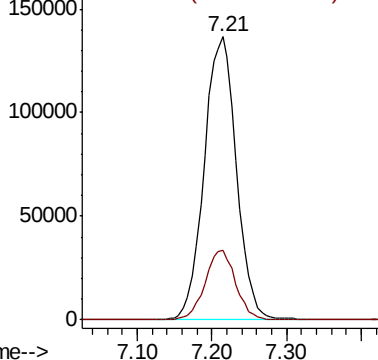
Ion Ratio Lower Upper

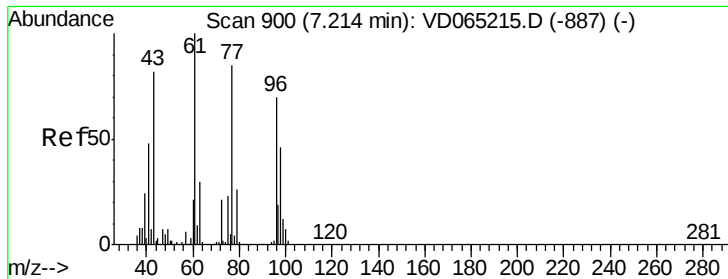
77 100

97 23.2 11.7 35.1



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



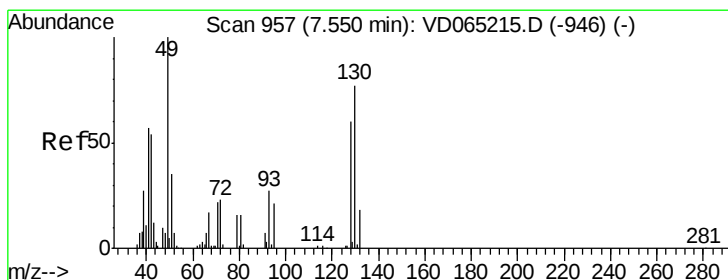
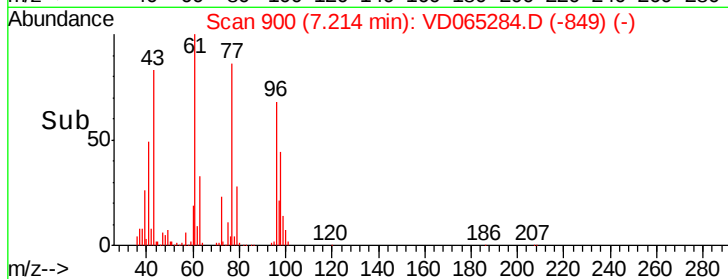
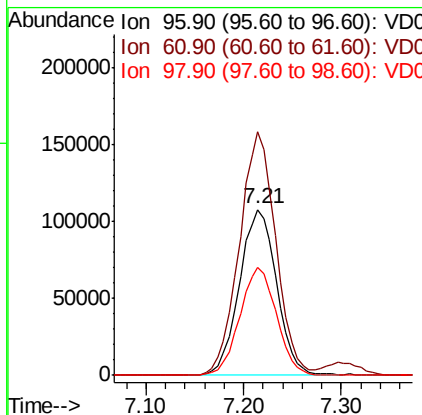
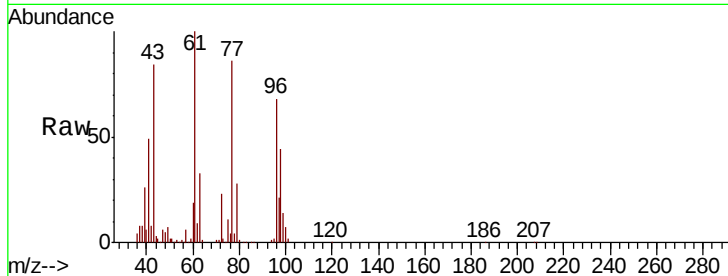


#27

cis-1,2-Dichloroethene
 Concen: 48.901 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :

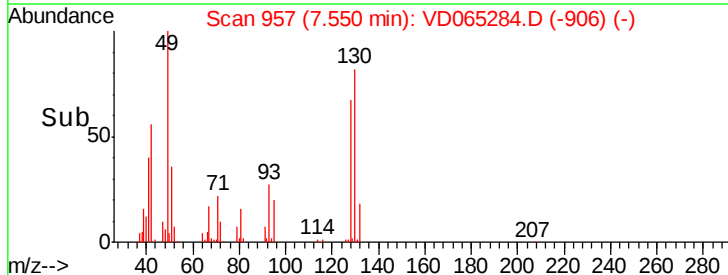
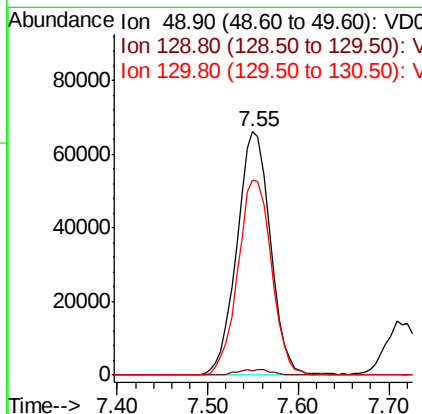
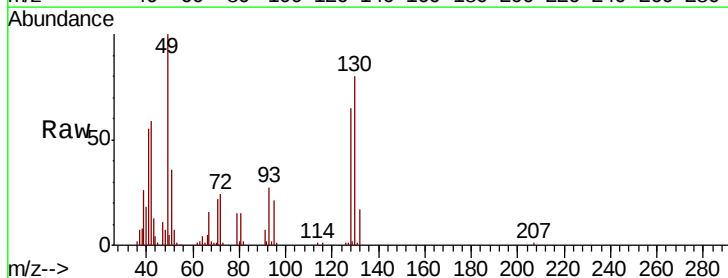
Tot Ion	96	Resp	285289
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	286.0
98	64.5	0.0	127.8

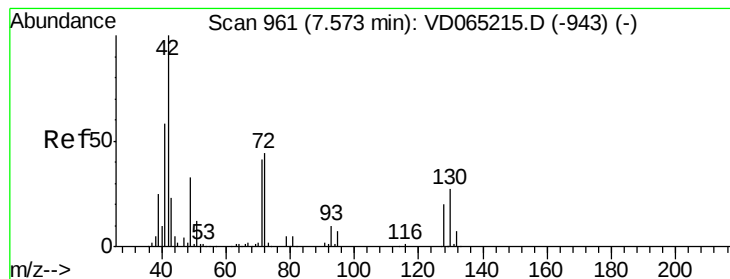


#28

Bromochloromethane
 Concen: 48.634 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	49	Resp	169739
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	80.5	64.7	97.1





#29

Tetrahydrofuran

Concen: 232.459 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampled :

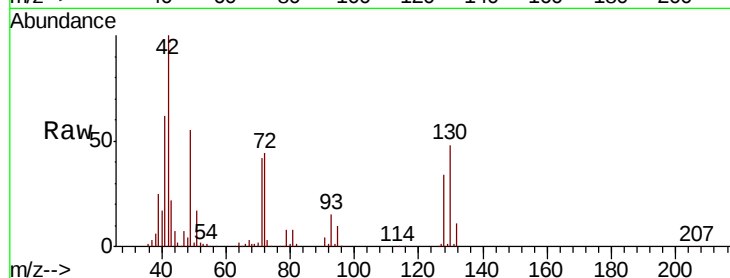
Tot Ion: 42 Resp: 198025

Ion Ratio Lower Upper

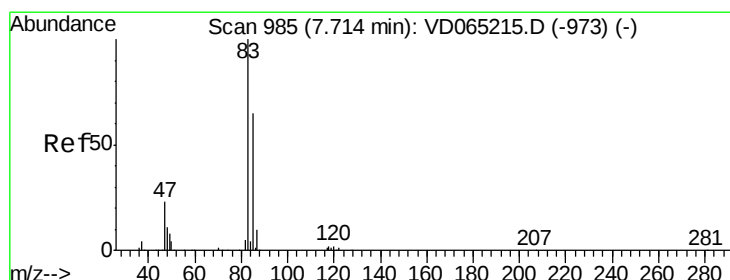
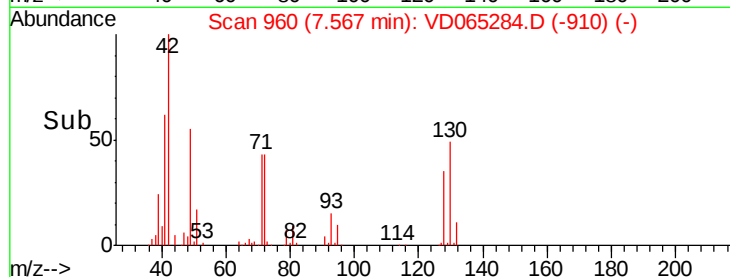
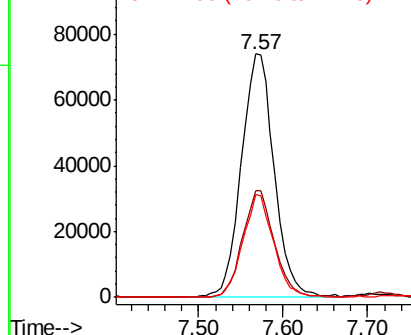
42 100

72 42.5 33.7 50.5

71 39.8 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: 48.096 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065284.D

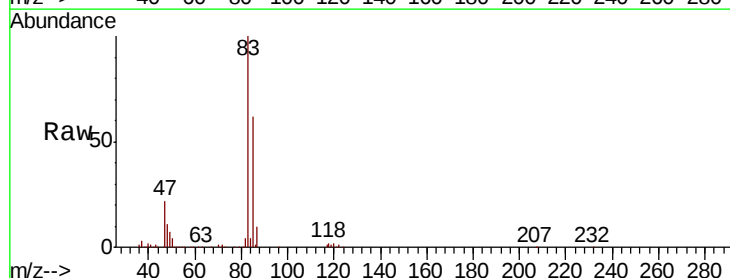
Acq: 24 Feb 2020 10:00

Tgt Ion: 83 Resp: 455841

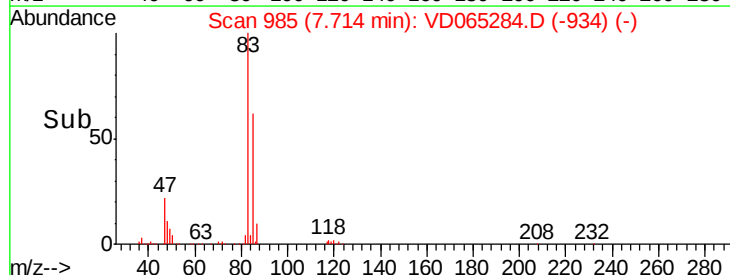
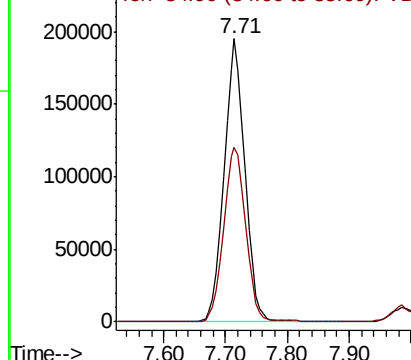
Ion Ratio Lower Upper

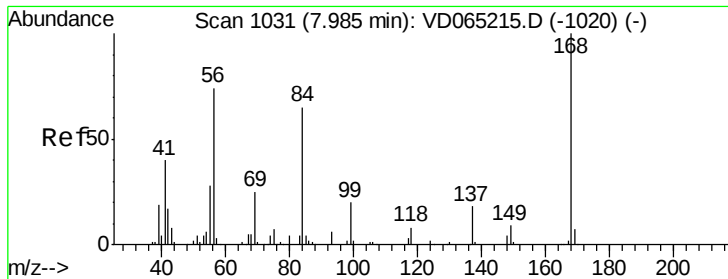
83 100

85 61.8 52.3 78.5



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

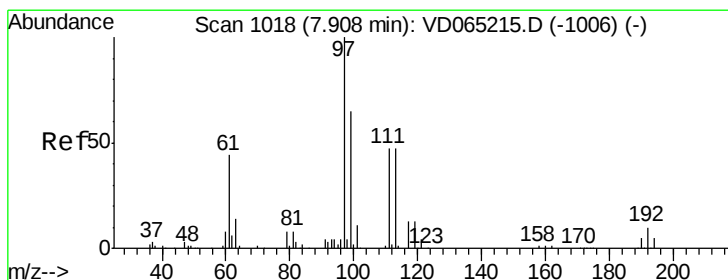
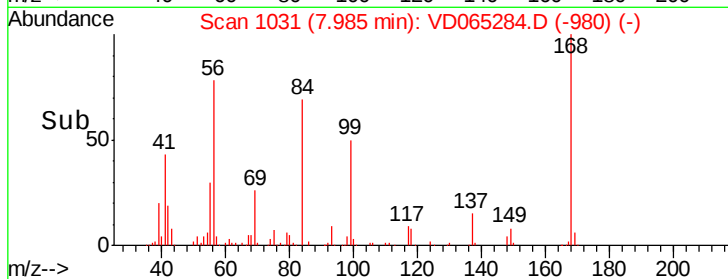
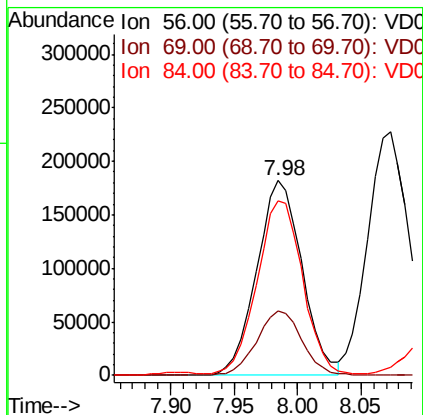
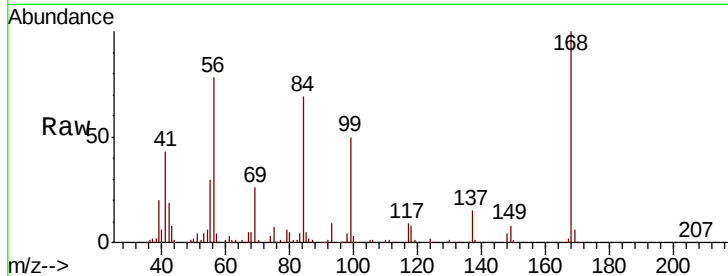




#31
Cyclohexane
Concen: 49.077 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

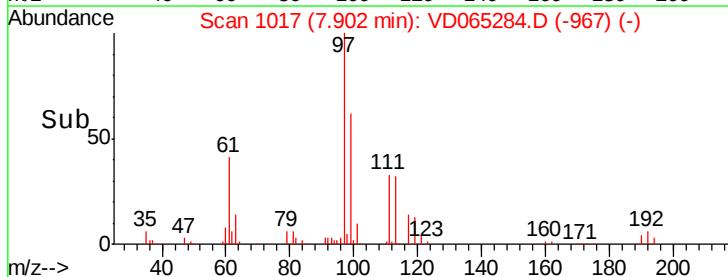
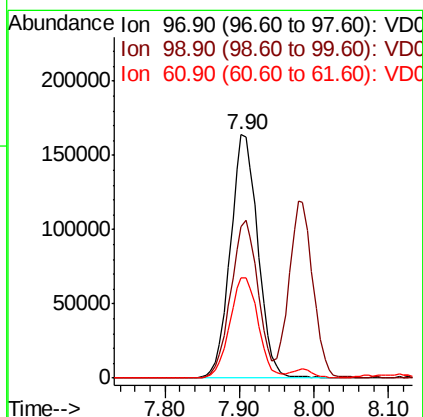
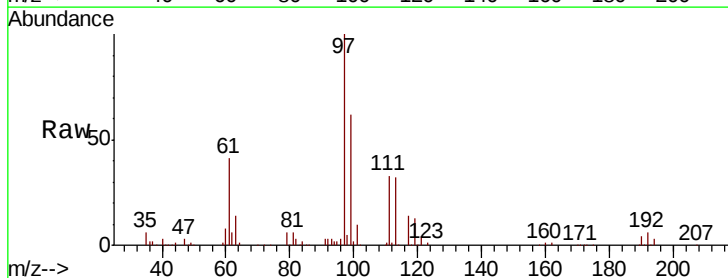
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 453623
Ion Ratio Lower Upper
56 100
69 33.0 27.4 41.0
84 88.1 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 49.572 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 97 Resp: 420360
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.2
61 42.4 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 44.066 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

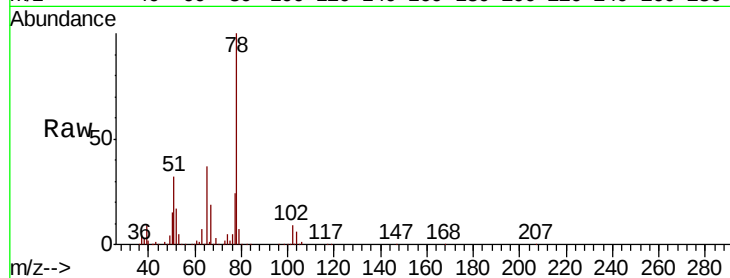
ClientSampleId :

Tot Ion: 65 Resp: 207148

Ion Ratio Lower Upper

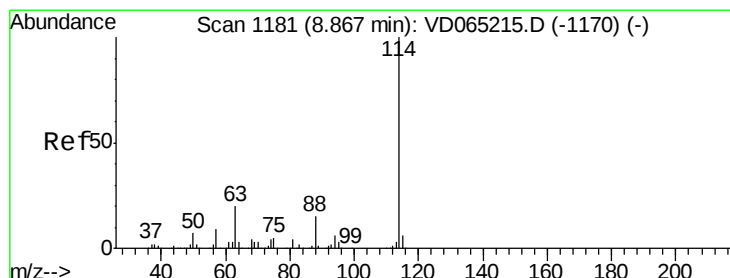
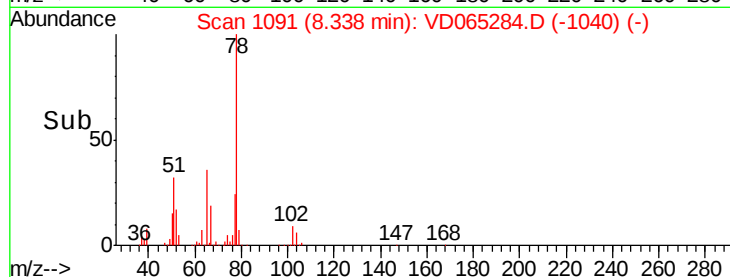
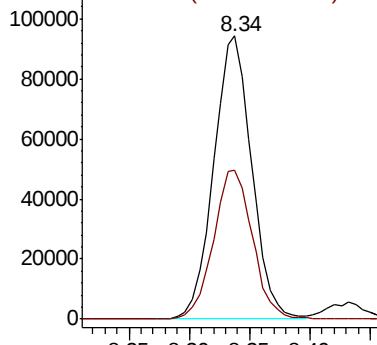
65 100

67 54.1 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: VD065284.D

Acq: 24 Feb 2020 10:00

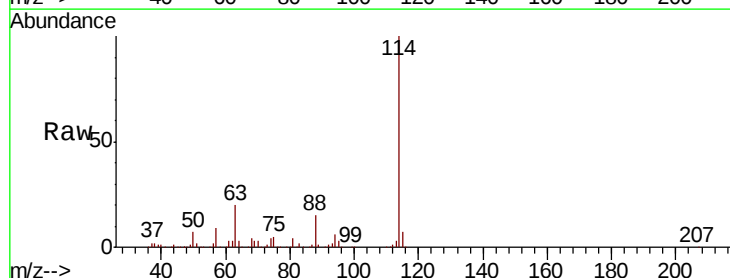
Tgt Ion:114 Resp: 758546

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

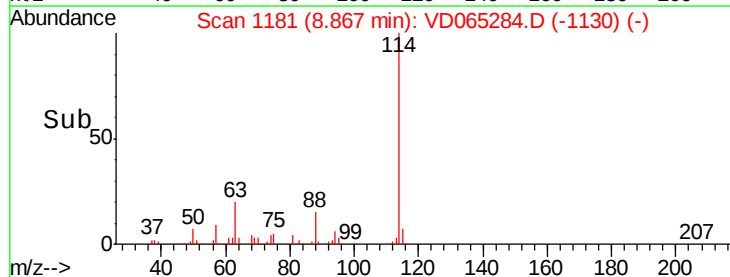
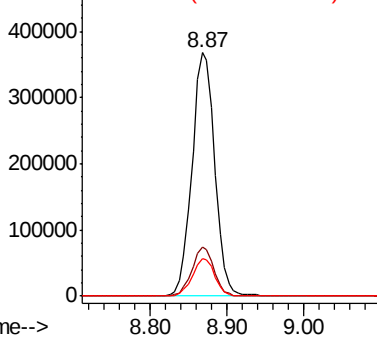
88 15.3 0.0 30.4

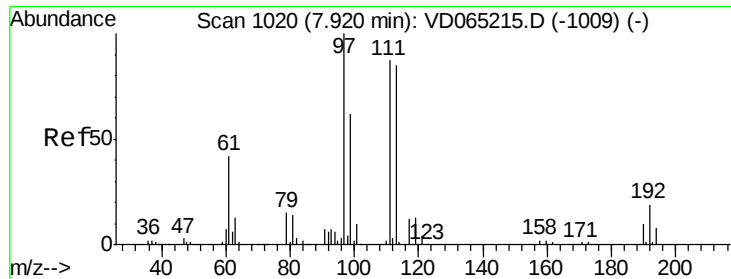


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

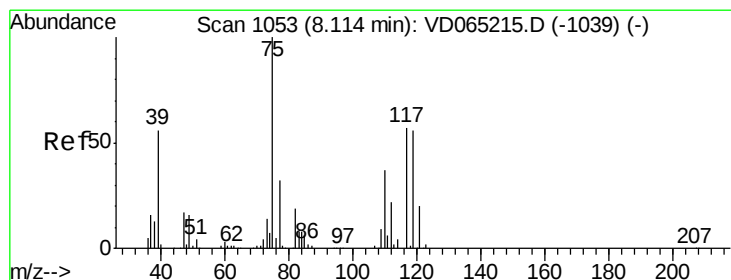
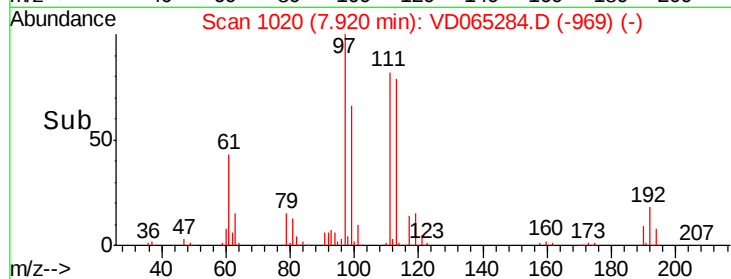
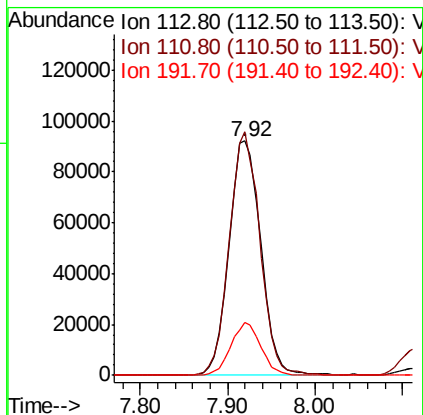
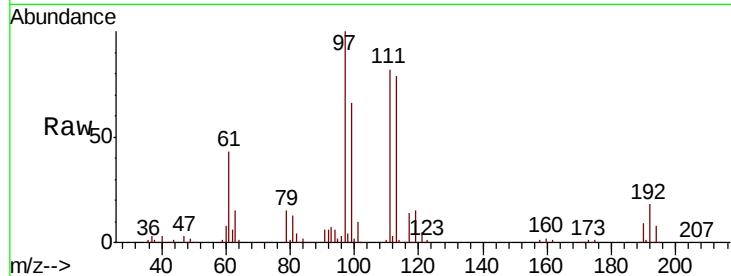




#35
Dibromofluoromethane
Concen: 49.182 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

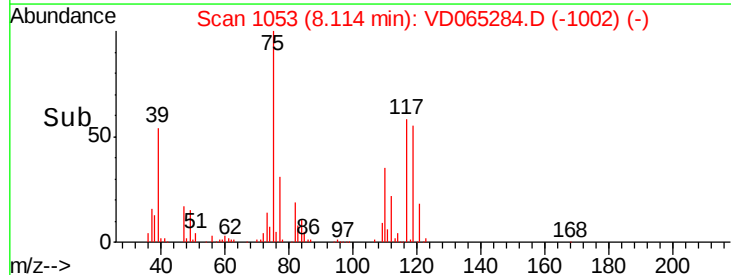
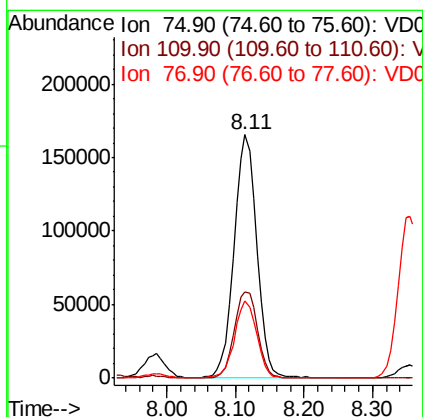
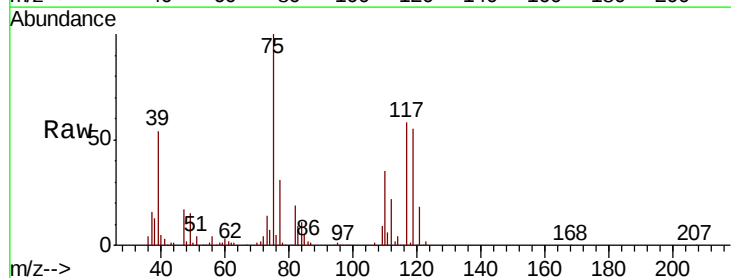
Instrument :
MSVOA_D
ClientSampleId :

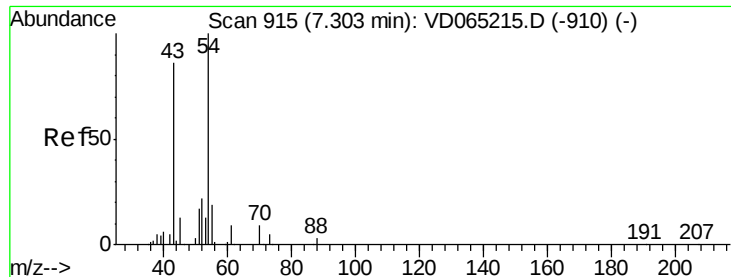
Tot Ion:113 Resp: 227475
Ion Ratio Lower Upper
113 100
111 100.2 82.9 124.3
192 21.2 17.3 25.9



#36
1,1-Dichloropropene
Concen: 51.550 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 75 Resp: 380474
Ion Ratio Lower Upper
75 100
110 36.3 17.9 53.7
77 30.9 25.1 37.7

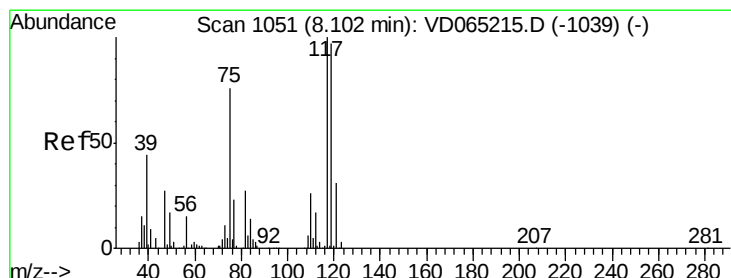
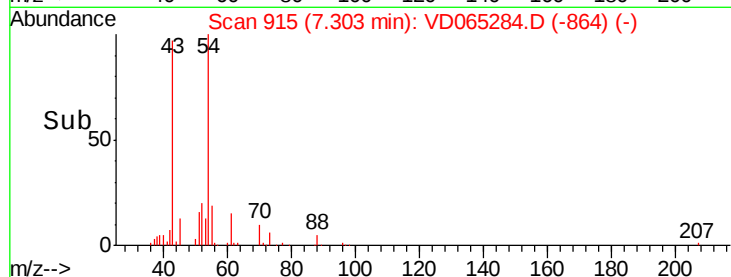
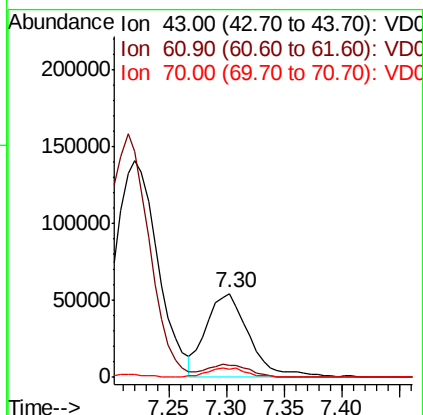
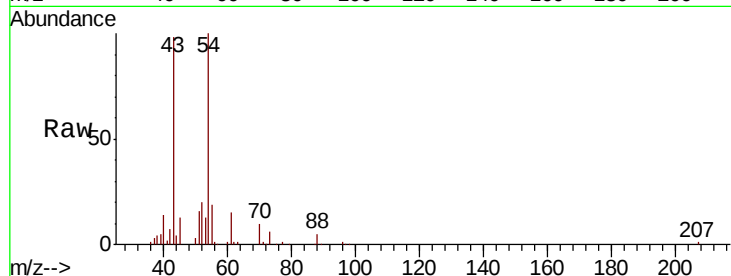




#37
Ethyl Acetate
Concen: 44.375 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

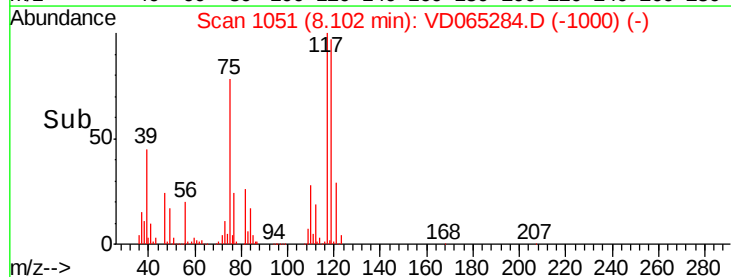
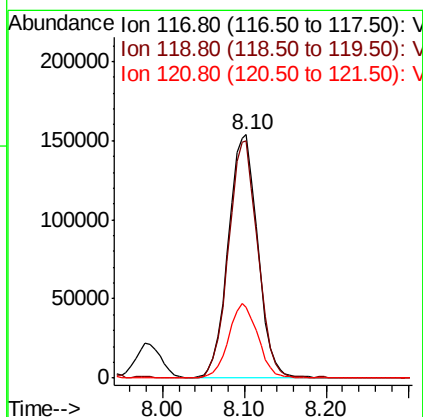
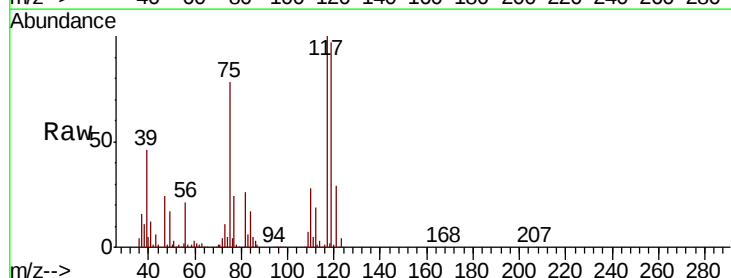
Instrument :
MSVOA_D
ClientSampled :

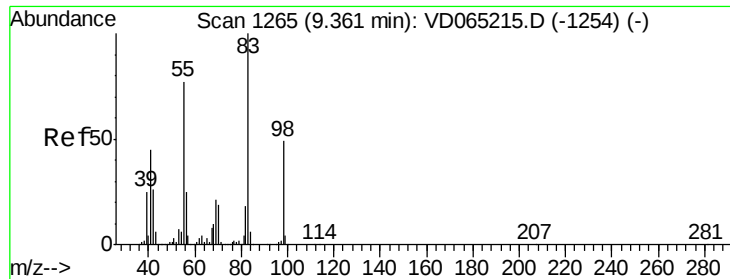
Tot Ion: 43 Resp: 136916
Ion Ratio Lower Upper
43 100
61 14.9 11.2 16.8
70 10.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 50.999 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 117 Resp: 383180
Ion Ratio Lower Upper
117 100
119 97.3 77.6 116.4
121 29.4 24.8 37.2

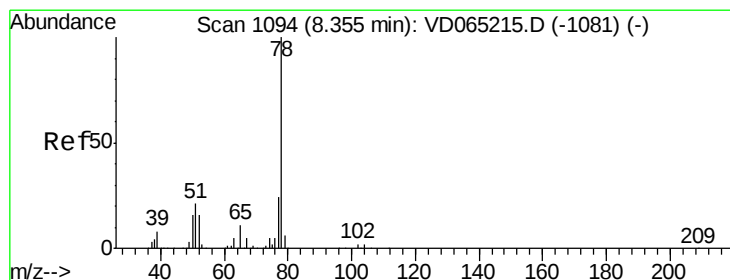
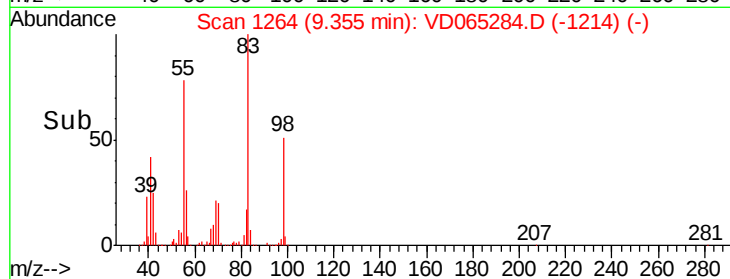
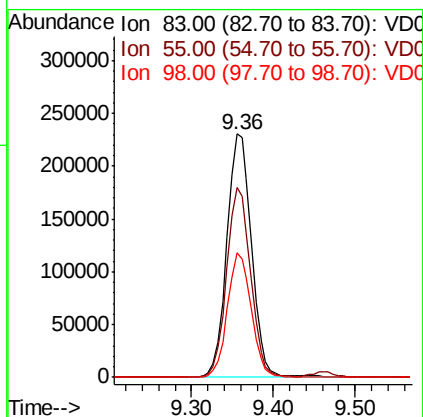
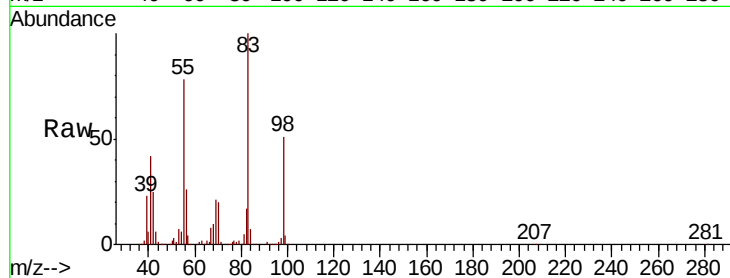




#39
Methvlcvclohexane
Concen: 55.576 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

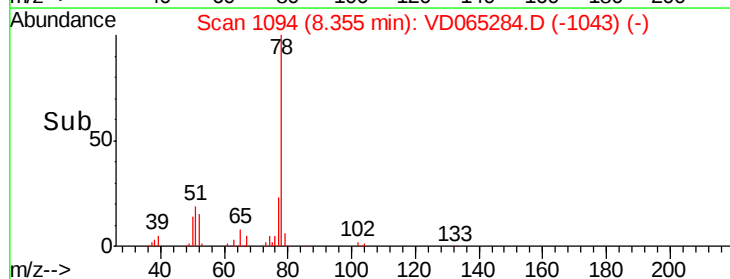
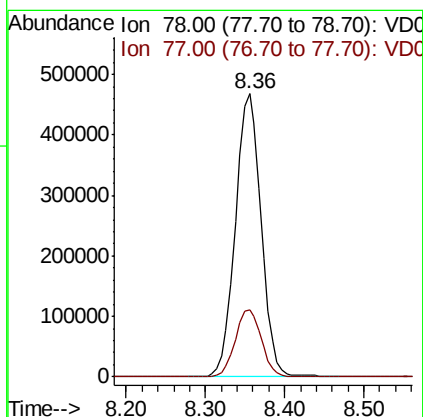
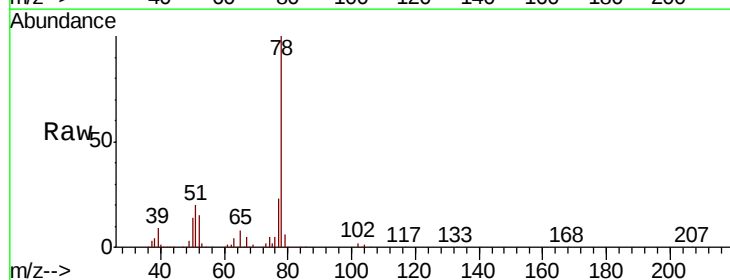
Instrument :
MSVOA_D
ClientSampleId :

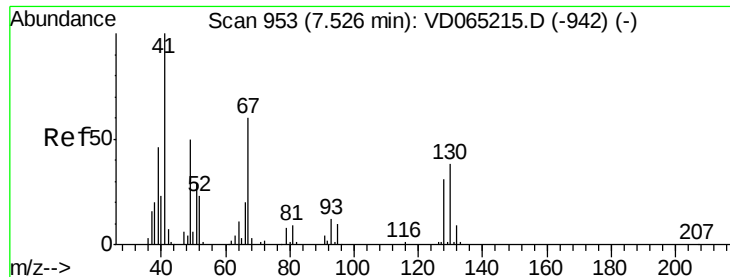
Tot Ion: 83 Resp: 482233
Ion Ratio Lower Upper
83 100
55 77.8 61.8 92.6
98 51.3 39.4 59.0



#40
Benzene
Concen: 50.518 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 78 Resp: 1052436
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 46.708 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 83212

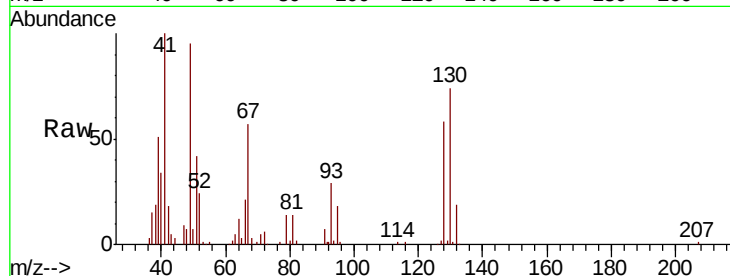
Ion Ratio Lower Upper

41 100

39 51.0 48.1 72.1

67 72.7 58.9 88.3

52 28.3 24.2 36.2

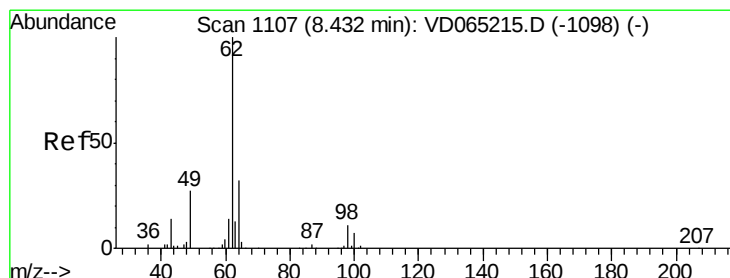
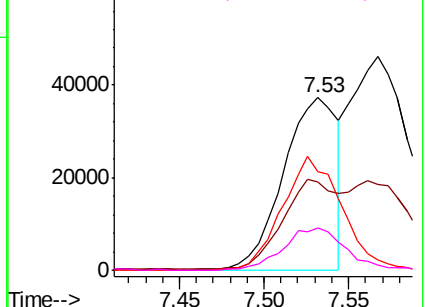
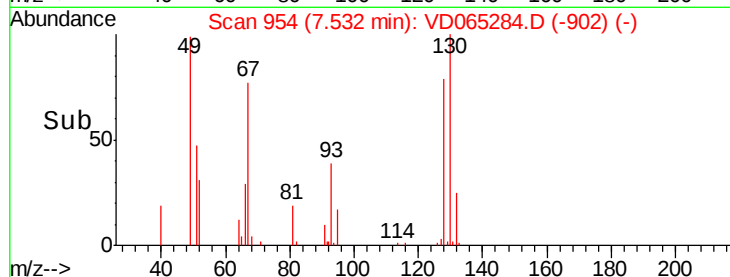


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 46.557 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065284.D

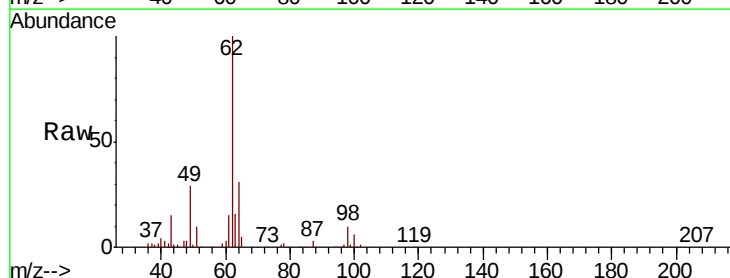
Acq: 24 Feb 2020 10:00

Tgt Ion: 62 Resp: 266640

Ion Ratio Lower Upper

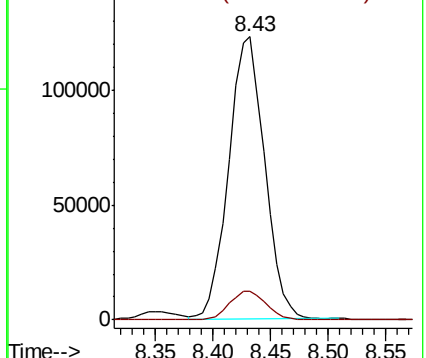
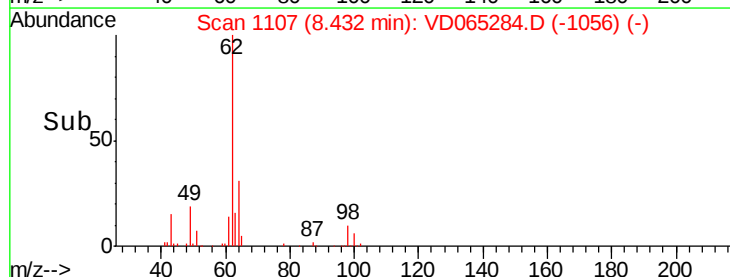
62 100

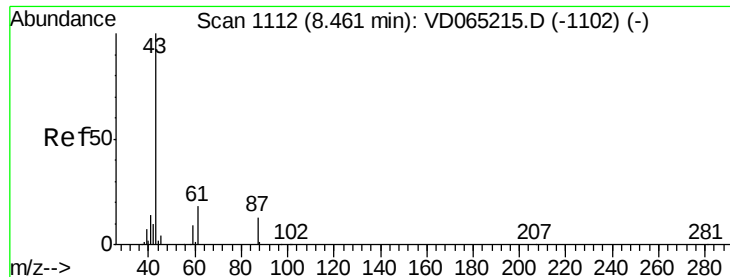
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



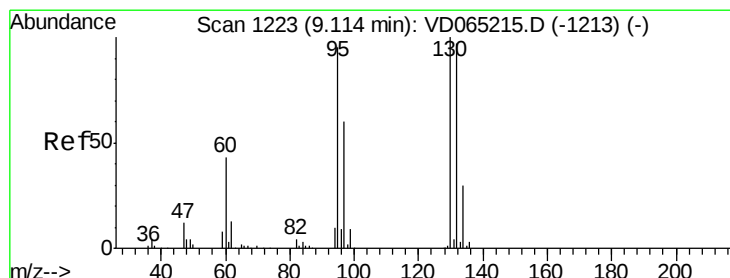
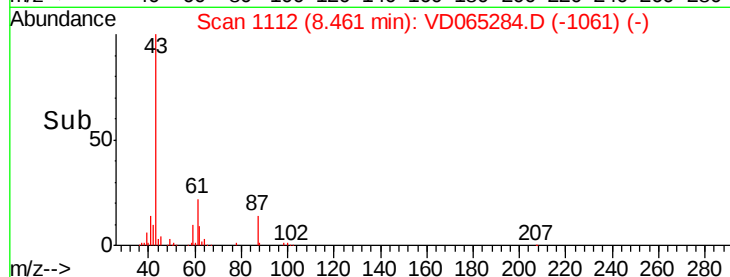
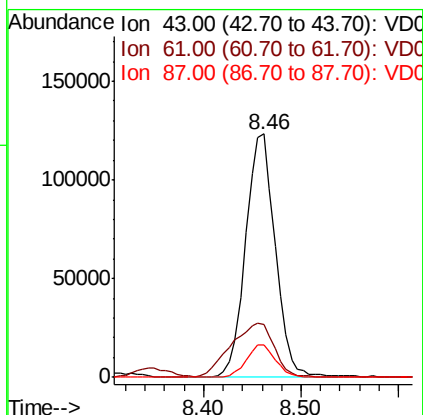
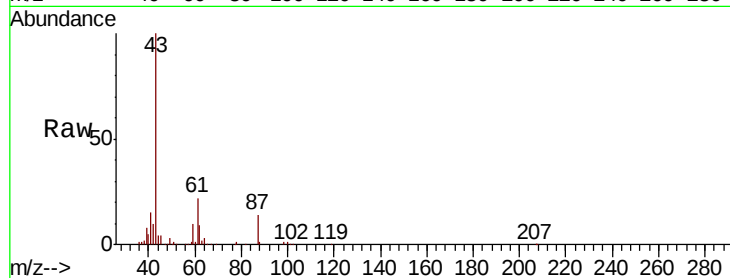


#43

Isopropyl Acetate
 Concen: 46.547 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :

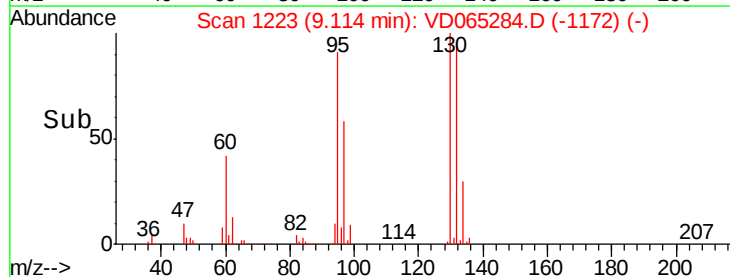
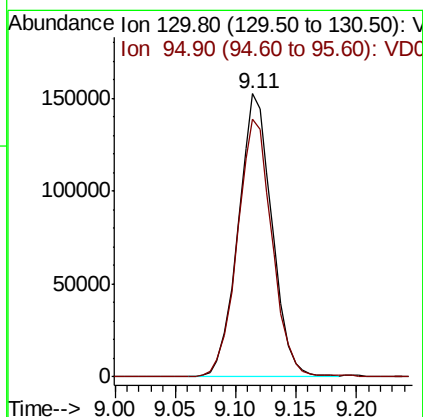
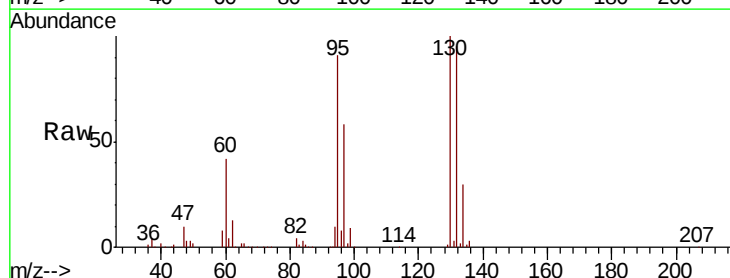
Tot Ion	43	Resp	261166
Ion Ratio	Lower	Upper	
43	100		
61	32.4	24.6	36.8
87	13.1	10.6	16.0



#44

Trichloroethene
 Concen: 51.391 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	130	Resp	296769
Ion Ratio	Lower	Upper	
130	100		
95	90.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.449 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

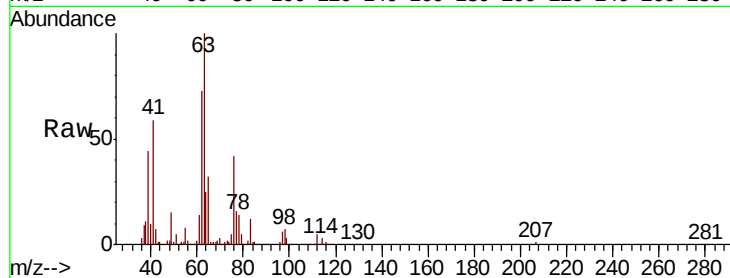
ClientSampled :

Tot Ion: 63 Resp: 261339

Ion Ratio Lower Upper

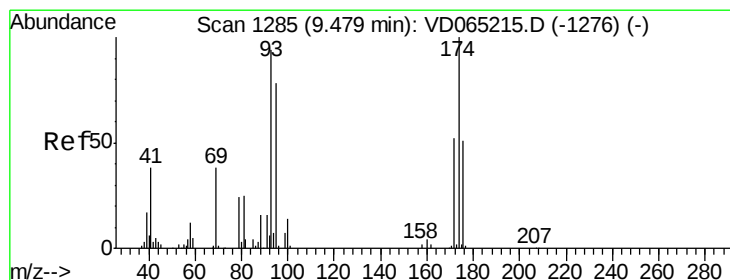
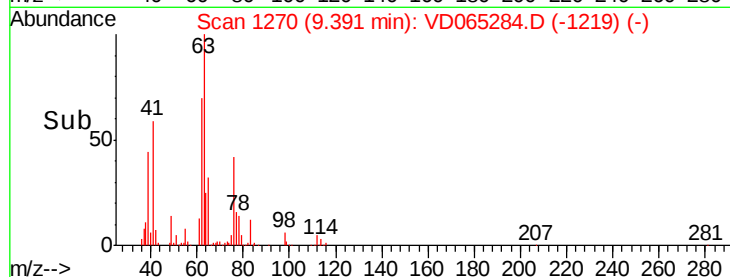
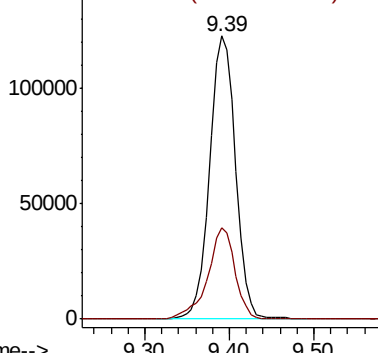
63 100

65 32.3 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: 48.322 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

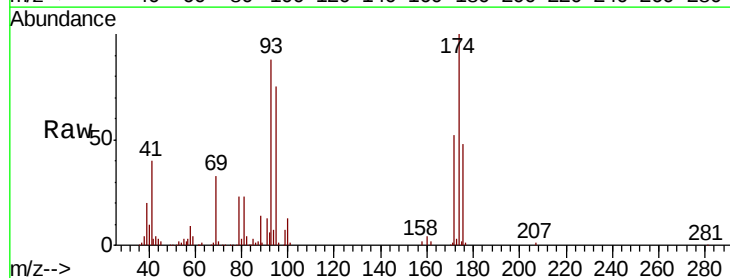
Tgt Ion: 93 Resp: 128795

Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.6

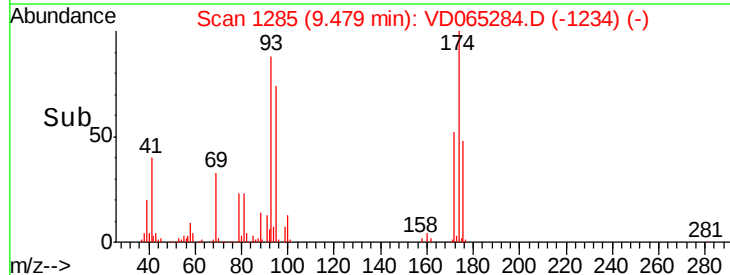
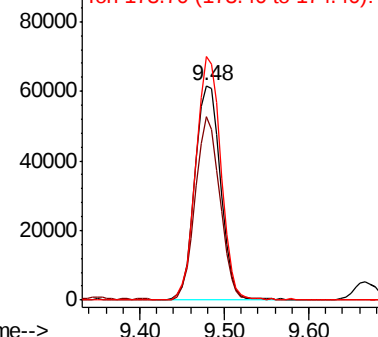
174 110.4 86.8 130.2

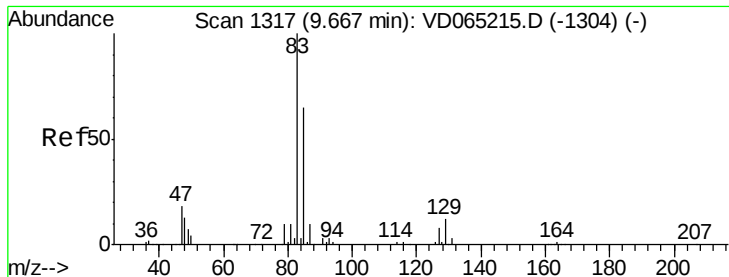


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.979 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

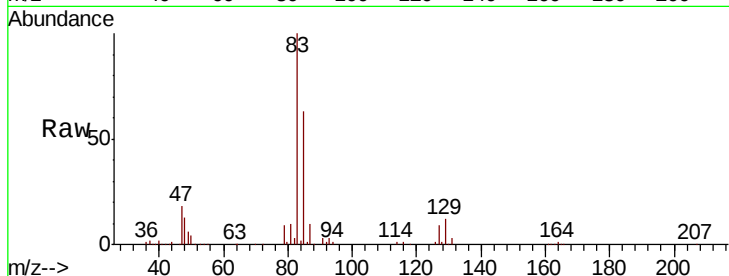
Tot Ion: 83 Resp: 344035

Ion Ratio Lower Upper

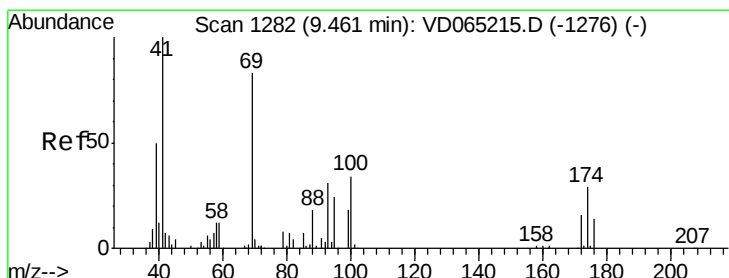
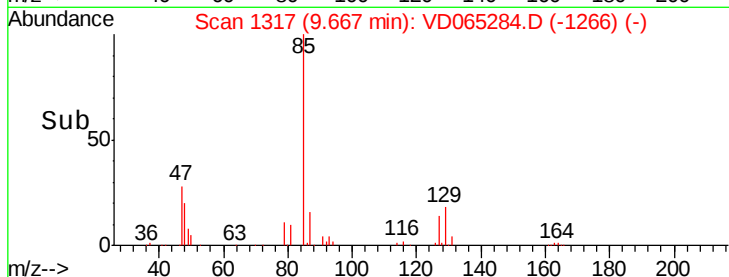
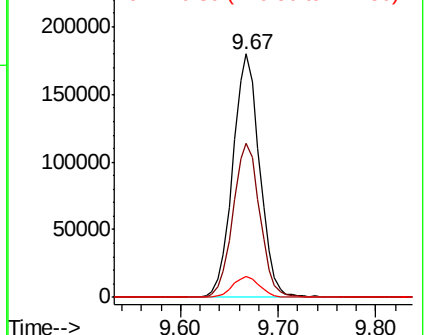
83 100

85 63.4 52.0 78.0

127 8.7 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): VDC



#48

Methyl methacrylate

Concen: 48.728 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

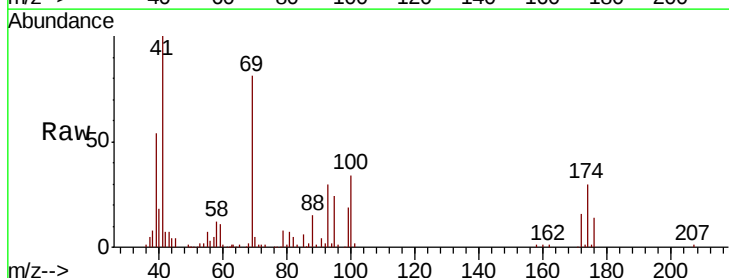
Tgt Ion: 41 Resp: 126375

Ion Ratio Lower Upper

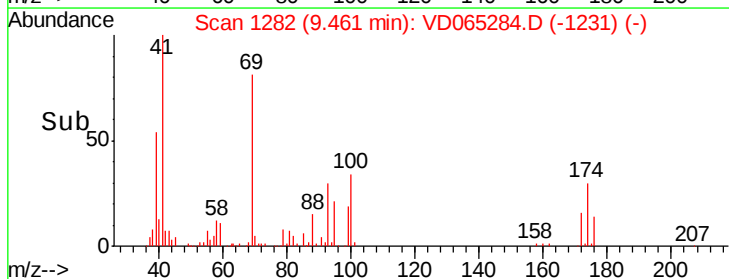
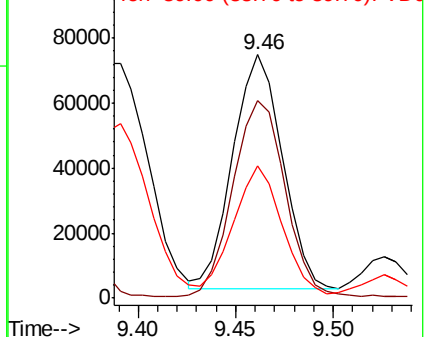
41 100

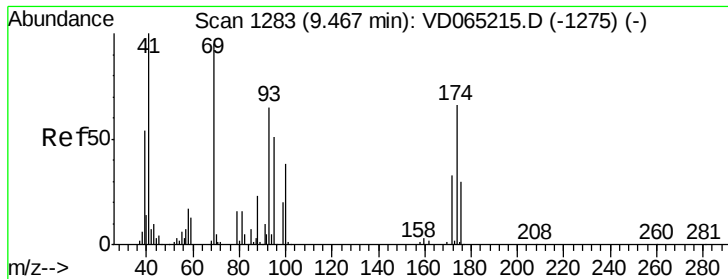
69 92.1 68.2 102.2

39 52.4 42.0 63.0



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

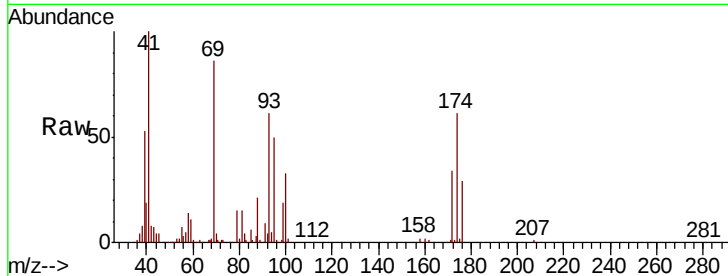




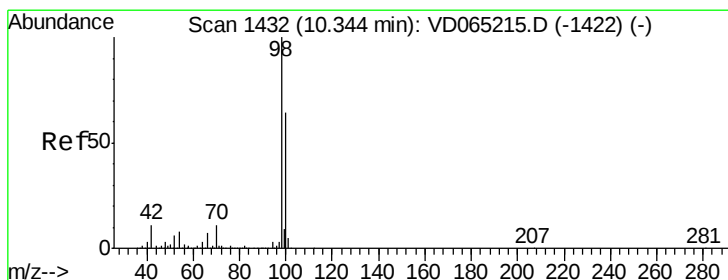
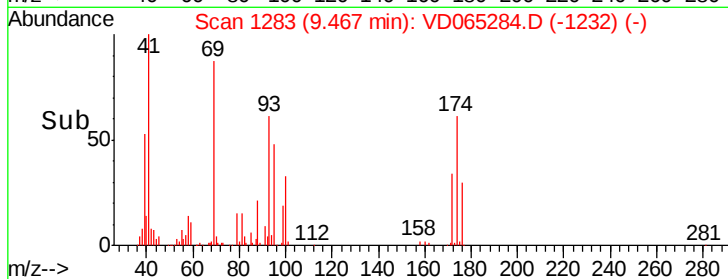
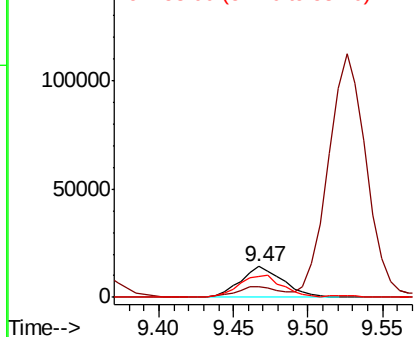
#49
1,4-Dioxane
Concen: 892.890 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 27912
Ion Ratio Lower Upper
88 100
43 32.2 28.5 42.7
58 73.7 58.6 87.8

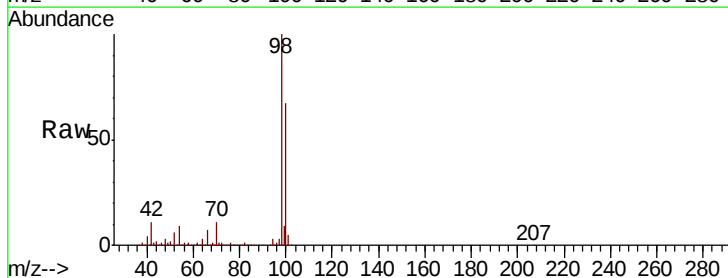


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

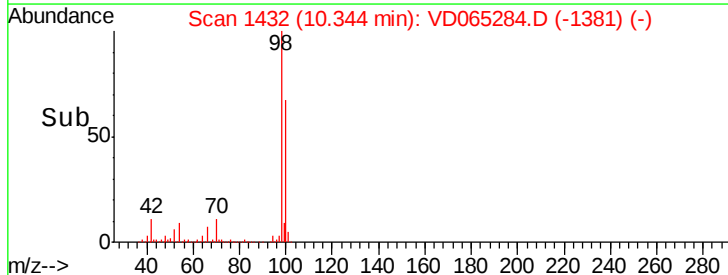
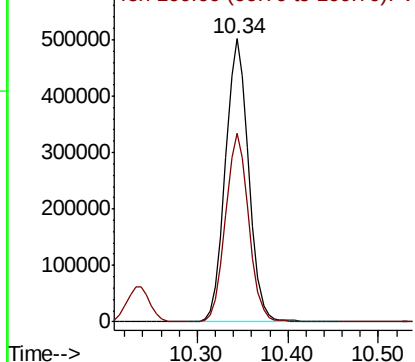


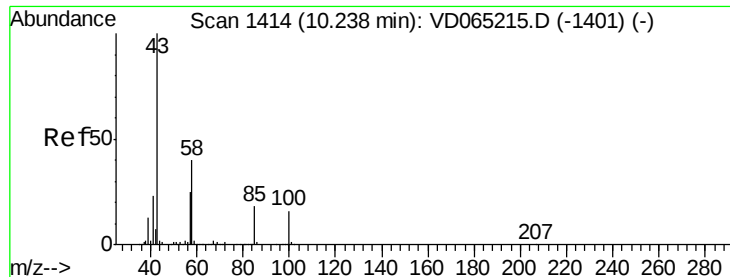
#50
Toluene-d8
Concen: 50.345 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 98 Resp: 890177
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



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

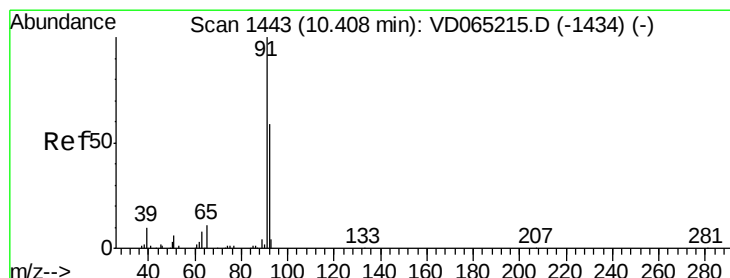
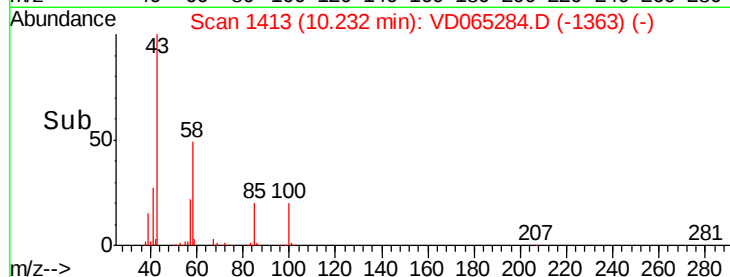
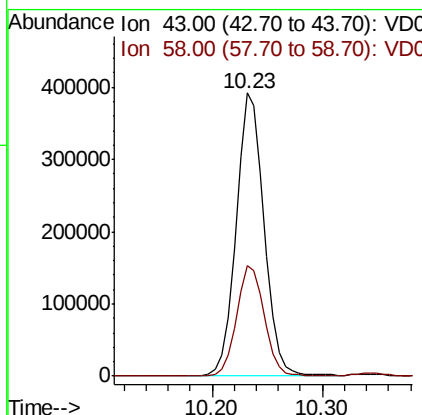
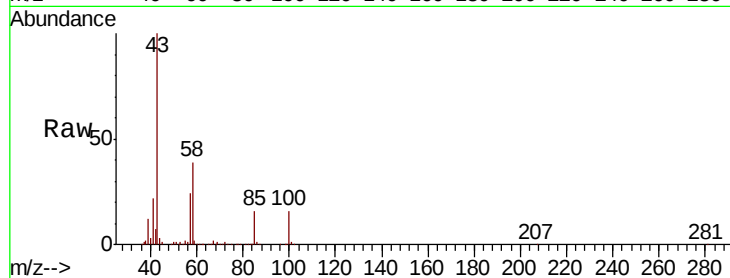




#51
4-Methyl-2-Pentanone
Concen: 243.707 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

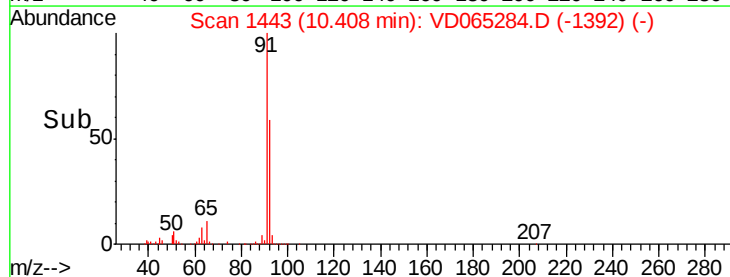
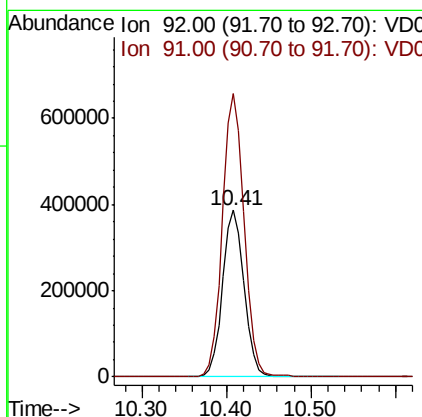
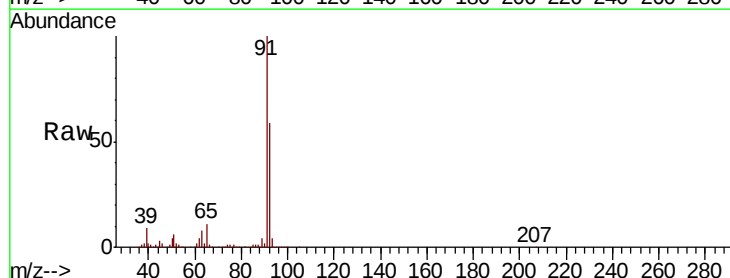
Instrument :
MSVOA_D
ClientSampled :

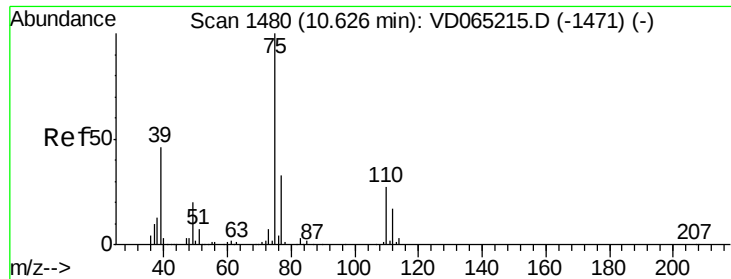
Tot Ion: 43 Resp: 694518
Ion Ratio Lower Upper
43 100
58 39.1 31.1 46.7



#52
Toluene
Concen: 52.830 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 92 Resp: 681245
Ion Ratio Lower Upper
92 100
91 171.5 136.3 204.5

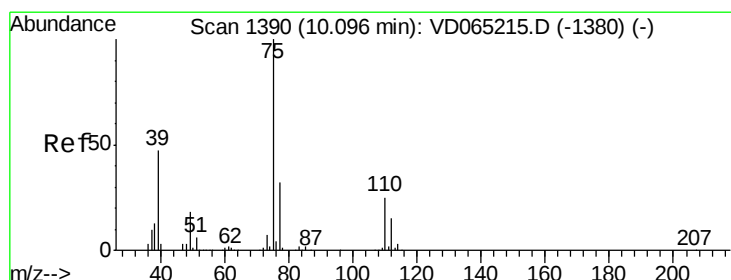
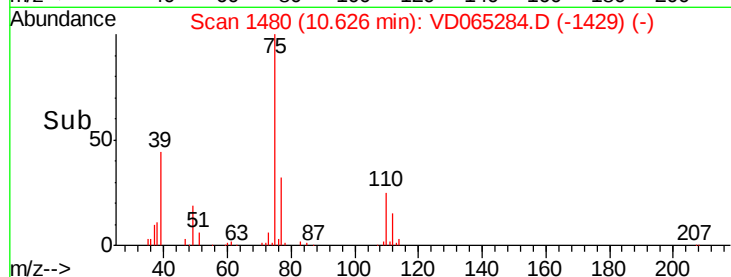
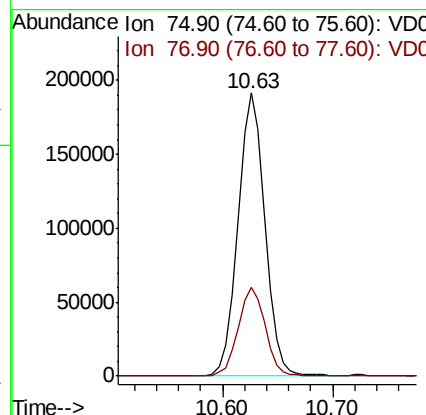
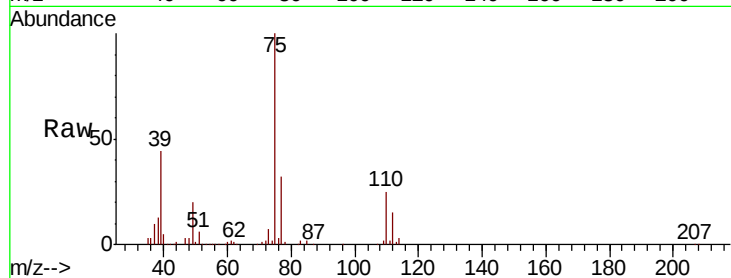




#53
t-1,3-Dichloropropene
Concen: 50.479 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

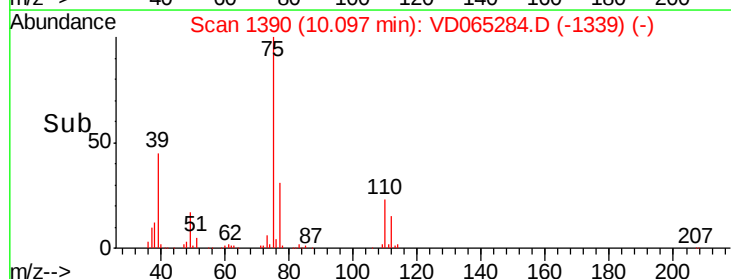
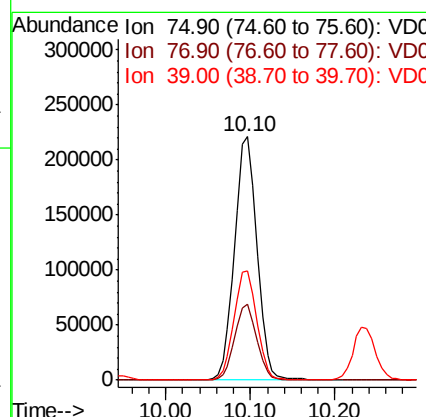
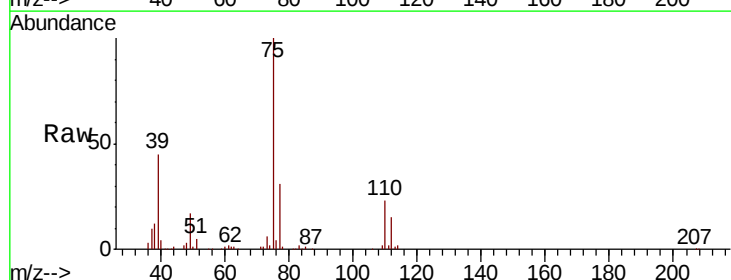
Instrument :
MSVOA_D
ClientSampled :

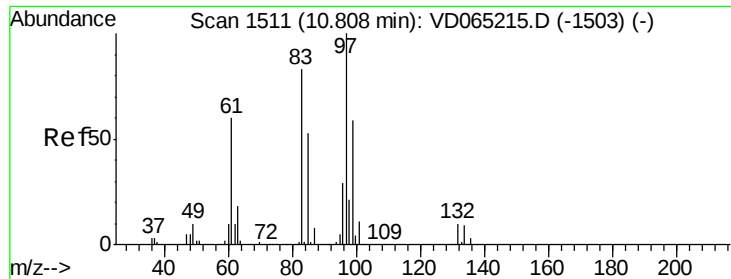
Tot Ion: 75 Resp: 328656
Ion Ratio Lower Upper
75 100
77 31.5 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 51.382 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 75 Resp: 403959
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8
39 45.0 37.3 55.9

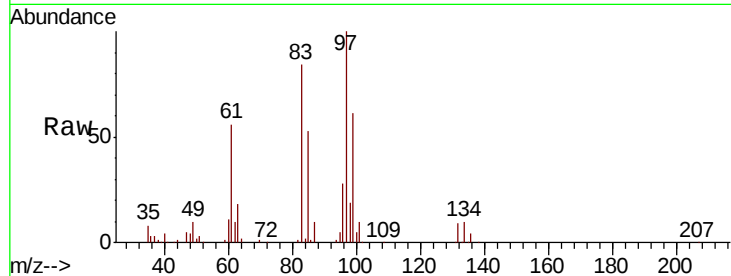




#55
 1,1,2-Trichloroethane
 Concen: 48.774 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	182975
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.7	100.1
85	52.5	42.4	63.6
99	61.3	47.5	71.3



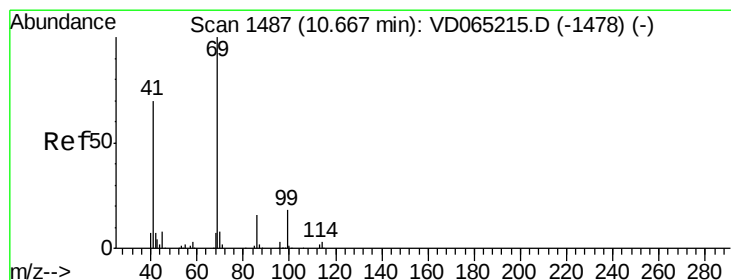
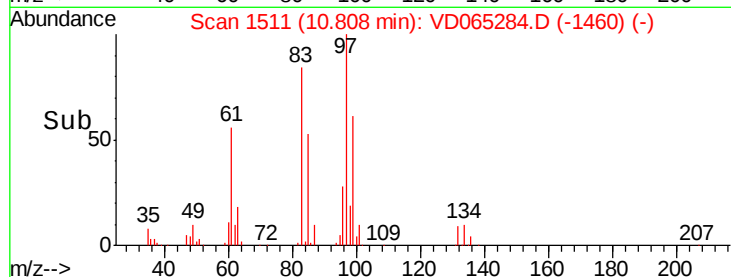
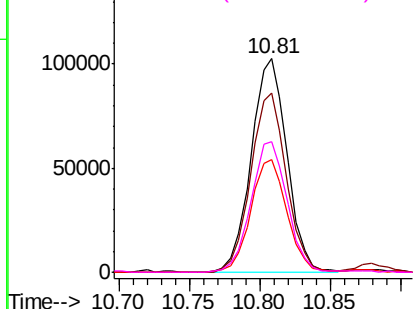
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

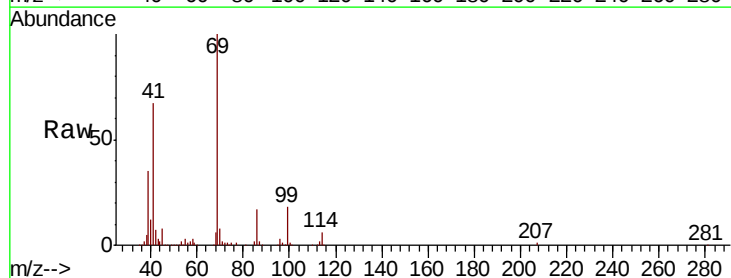
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 51.002 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion:	69	Resp:	220841
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	32.6	26.5	39.7

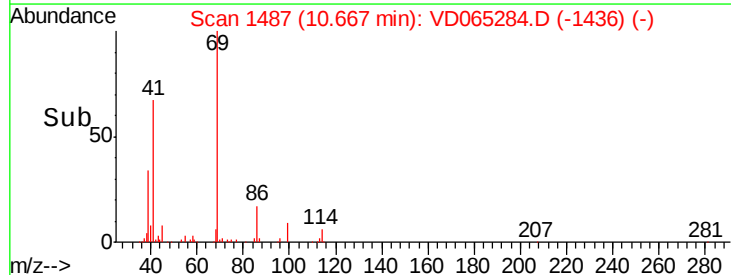
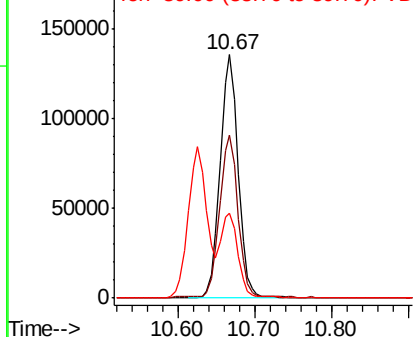


Abundance

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: 49.188 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

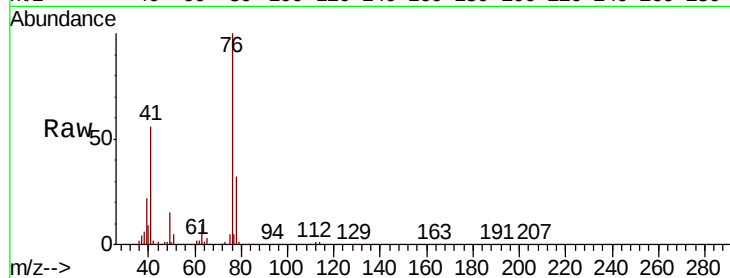
ClientSampleId :

Tot Ion: 76 Resp: 314060

Ion Ratio Lower Upper

76 100

78 31.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

200000

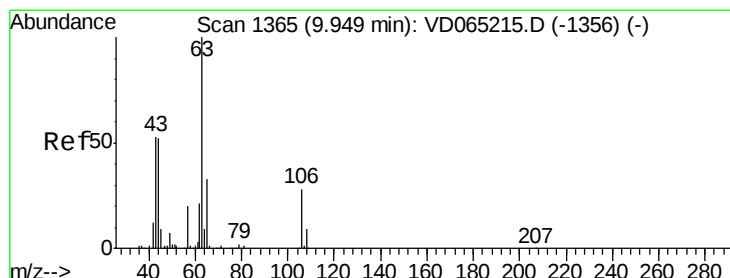
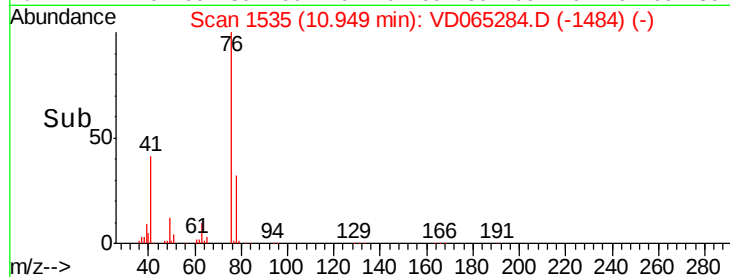
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.000 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065284.D

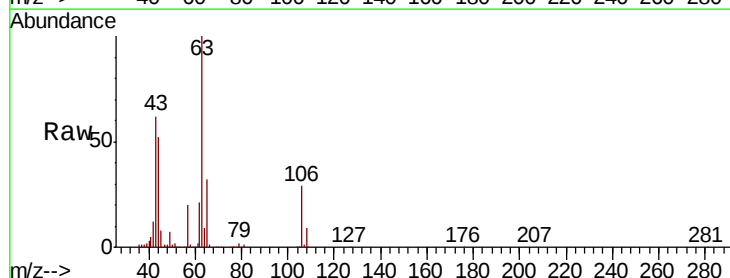
Acq: 24 Feb 2020 10:00

Tgt Ion: 63 Resp: 298963

Ion Ratio Lower Upper

63 100

106 29.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

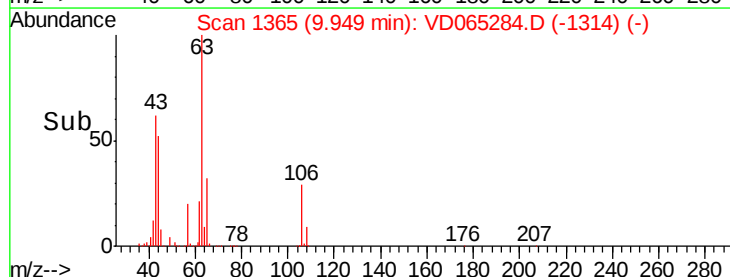
150000

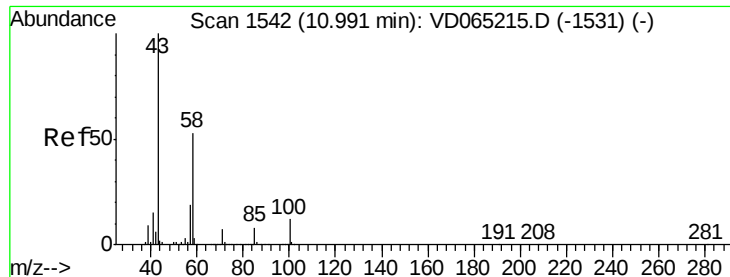
100000

50000

0

Time-->

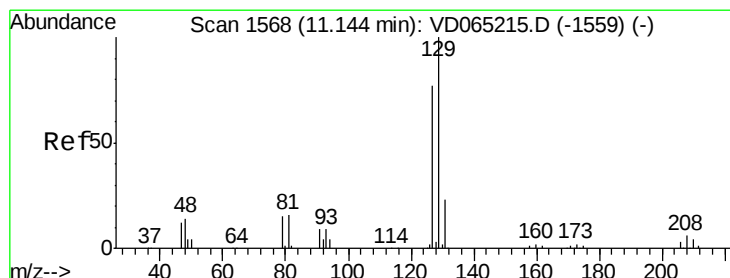
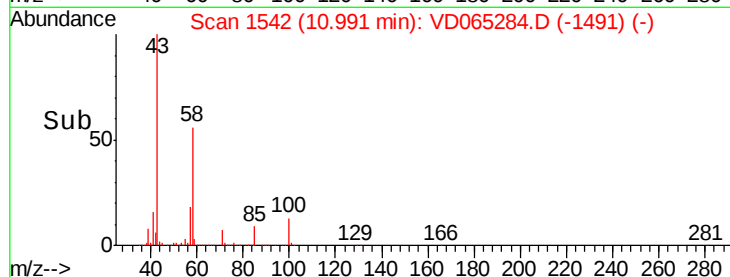
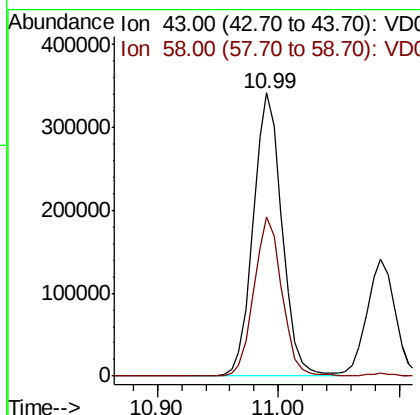
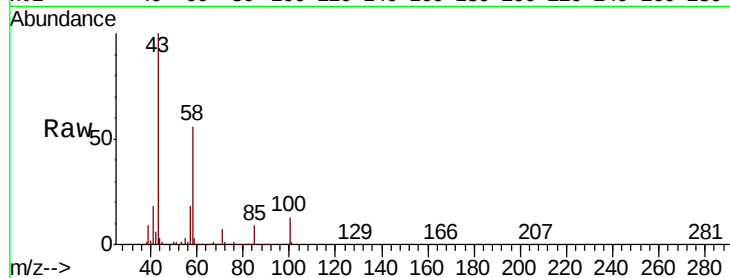




#59
2-Hexanone
Concen: 278.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

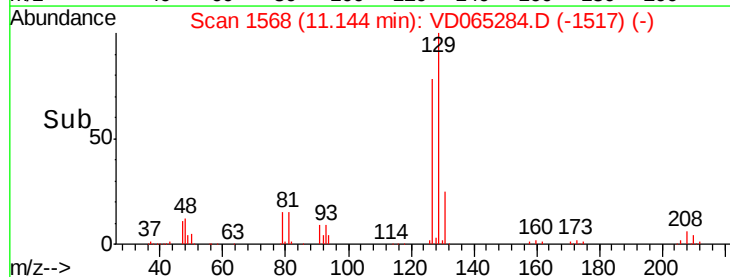
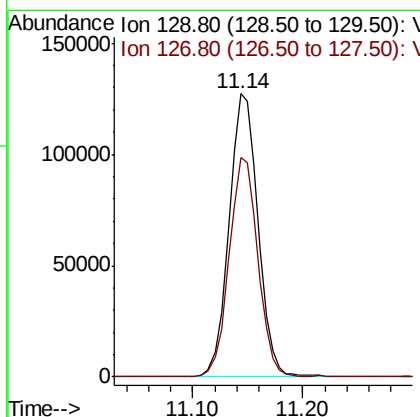
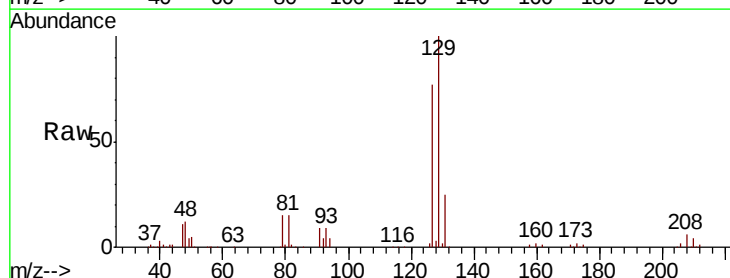
Instrument :
MSVOA_D
ClientSampleId :

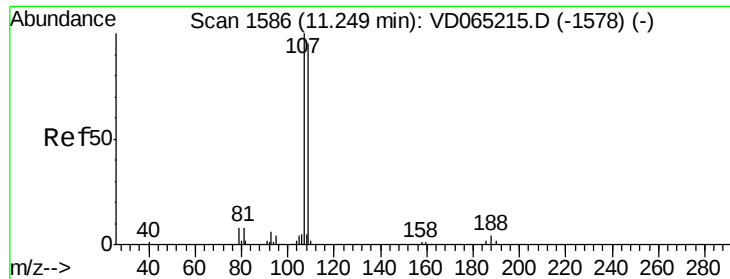
Tot Ion: 43 Resp: 569087
Ion Ratio Lower Upper
43 100
58 54.7 26.3 78.8



#60
Dibromochloromethane
Concen: 48.739 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 129 Resp: 234025
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1

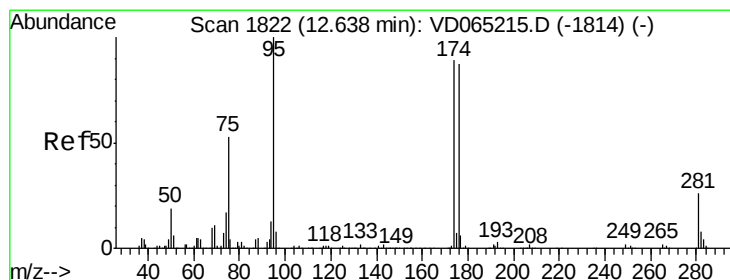
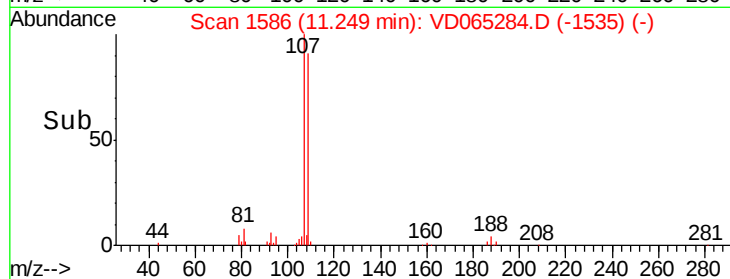
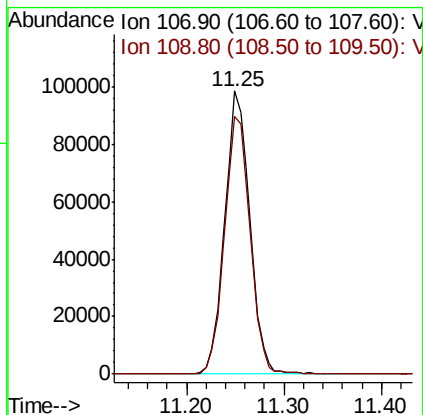
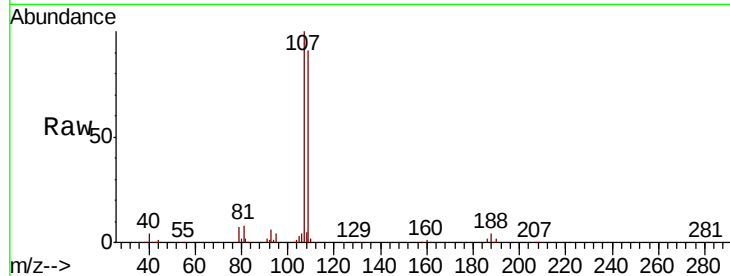




#61
 1,2-Dibromoethane
 Concen: 49.318 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

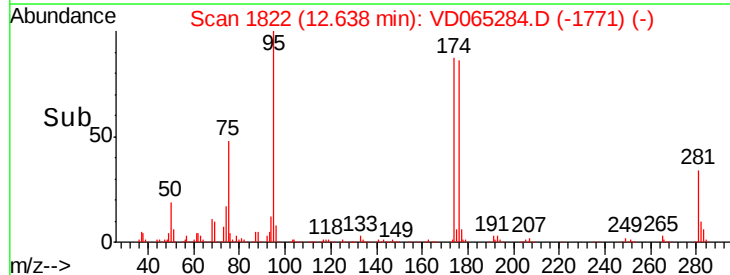
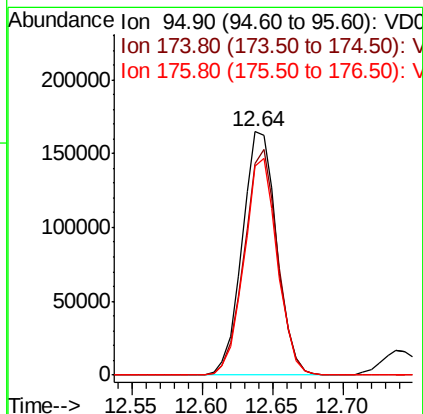
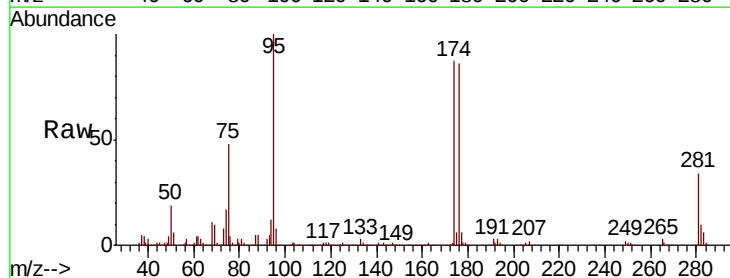
Instrument :
 MSVOA_D
 ClientSampleId :

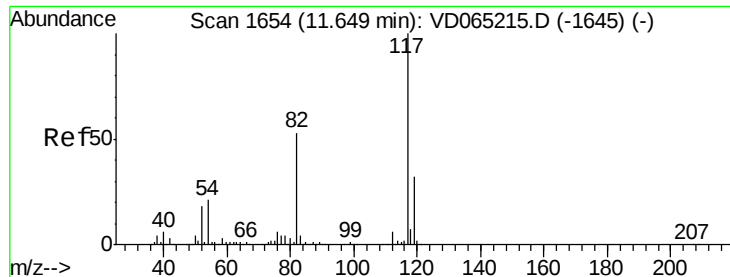
Tot Ion: 107 Resp: 175175
 Ion Ratio Lower Upper
 107 100
 109 93.1 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 50.324 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion: 95 Resp: 281882
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 178.0
 176 86.0 0.0 174.4

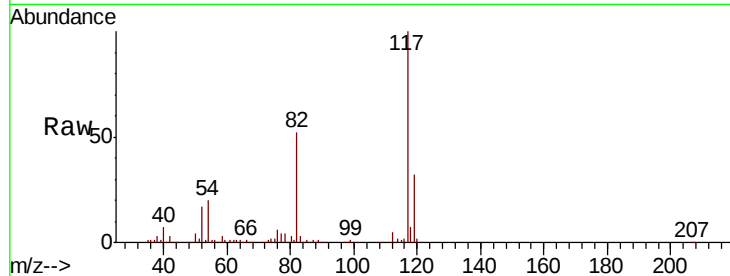




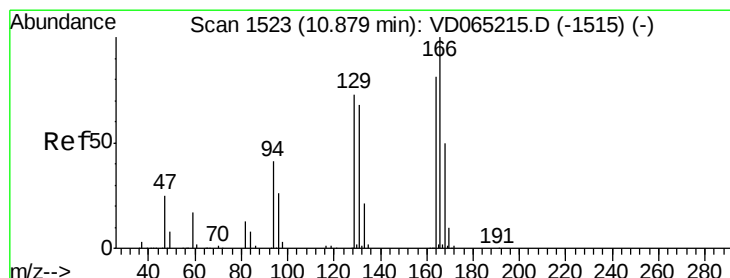
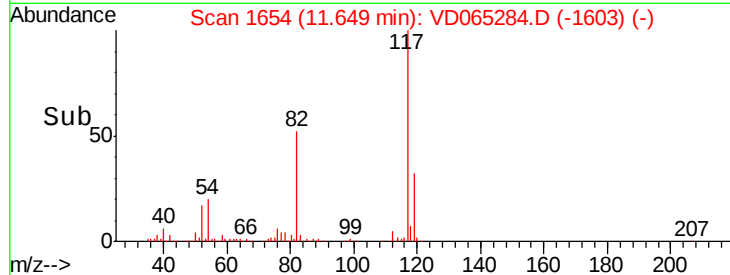
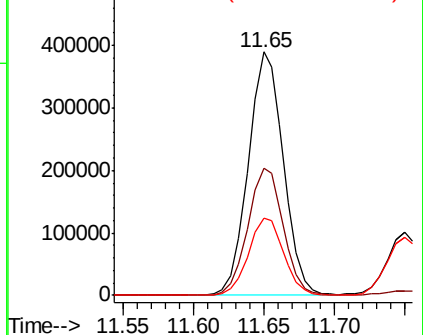
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 680170
Ion Ratio Lower Upper
117 100
82 52.2 42.7 64.1
119 31.8 25.5 38.3

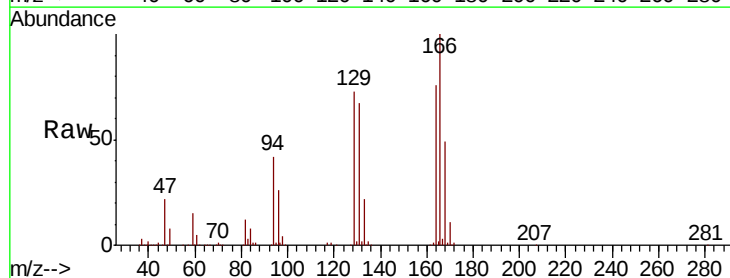


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

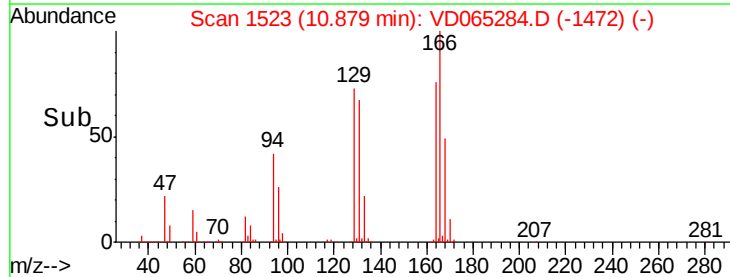
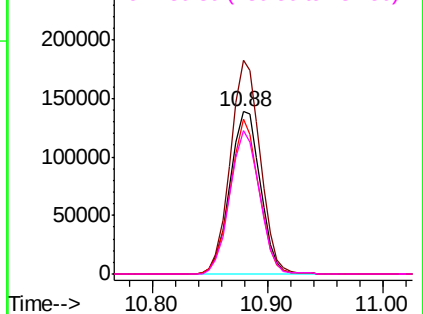


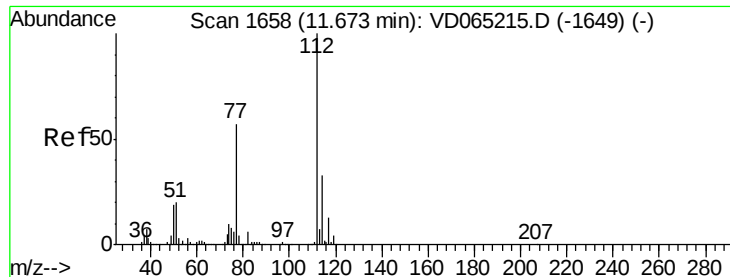
#64
Tetrachloroethene
Concen: 52.476 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion:164 Resp: 253143
Ion Ratio Lower Upper
164 100
166 131.5 98.4 147.6
129 95.5 71.6 107.4
131 88.0 67.3 100.9



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

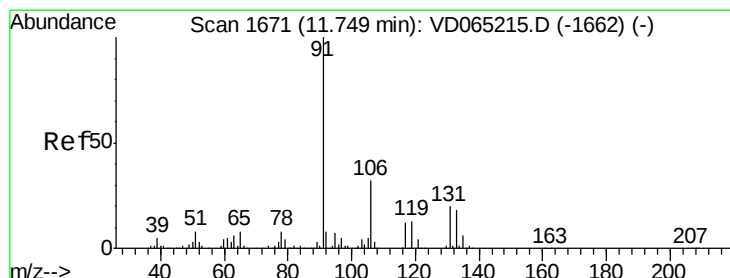
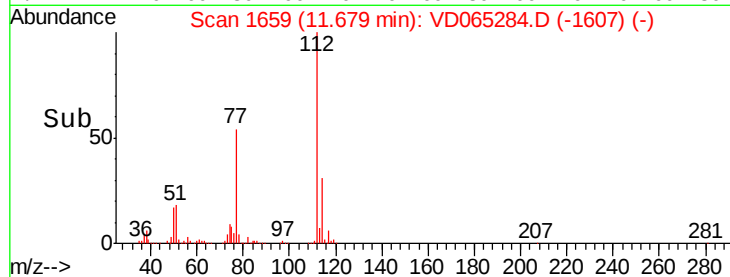
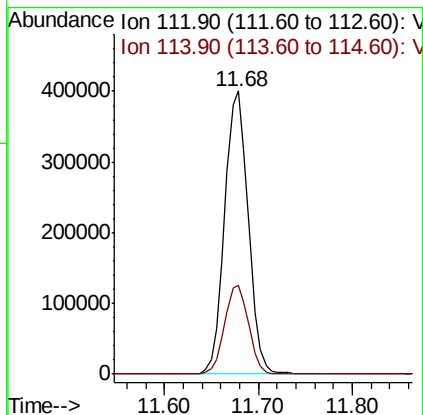
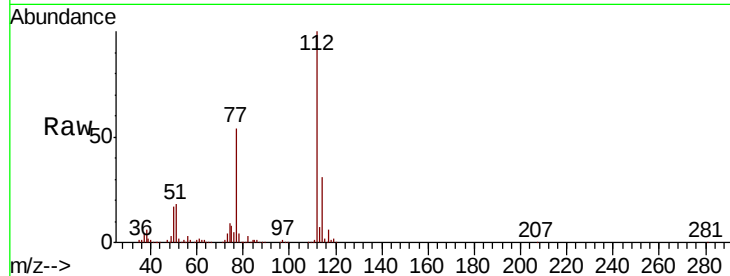




#65
Chlorobenzene
Concen: 51.223 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

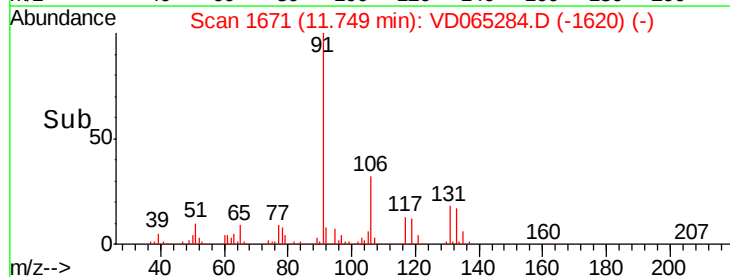
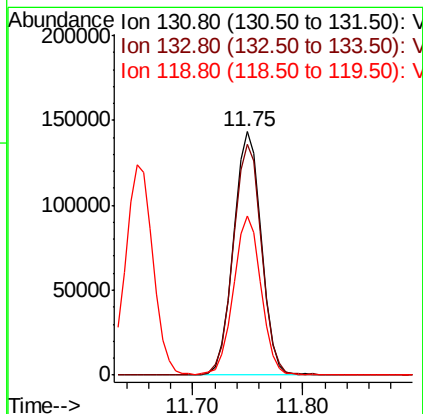
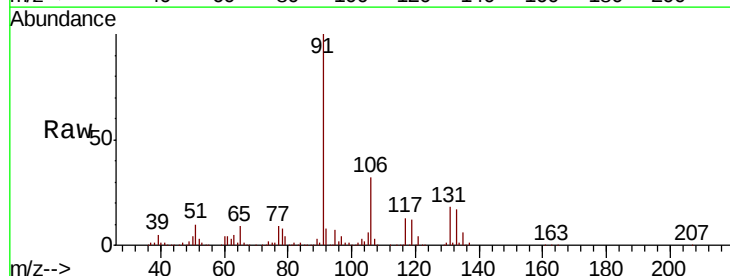
Instrument :
MSVOA_D
ClientSampleId :

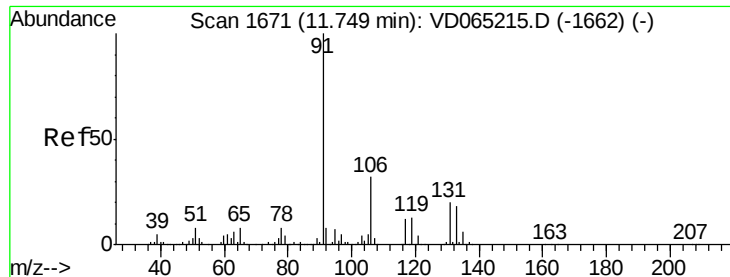
Tot Ion:112 Resp: 699156
Ion Ratio Lower Upper
112 100
114 31.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.952 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion:131 Resp: 254433
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.6 32.7 98.1





#67

Ethyl Benzene

Concen: 53.156 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

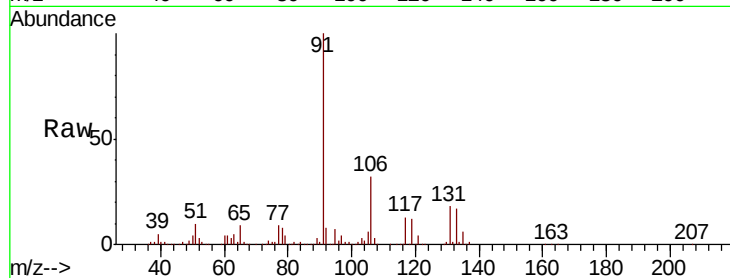
ClientSampleId :

Tot Ion: 91 Resp: 1270705

Ion Ratio Lower Upper

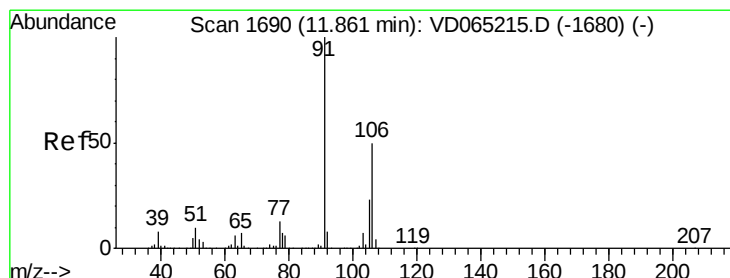
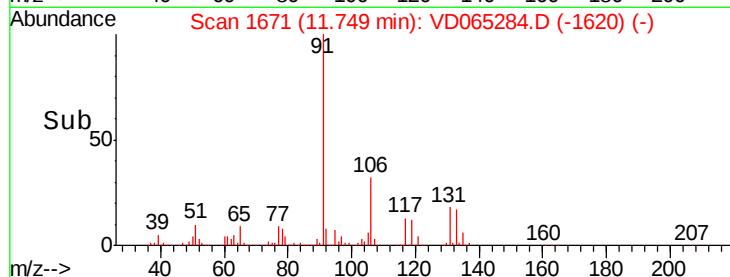
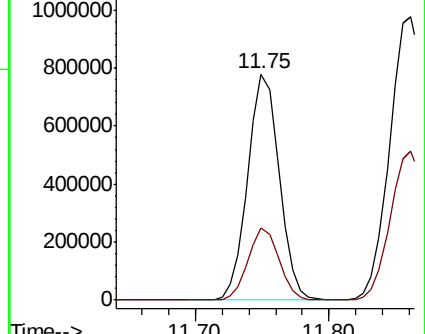
91 100

106 32.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 107.851 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065284.D

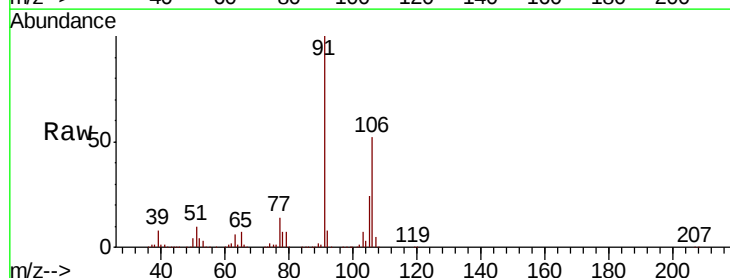
Acq: 24 Feb 2020 10:00

Tgt Ion:106 Resp: 986403

Ion Ratio Lower Upper

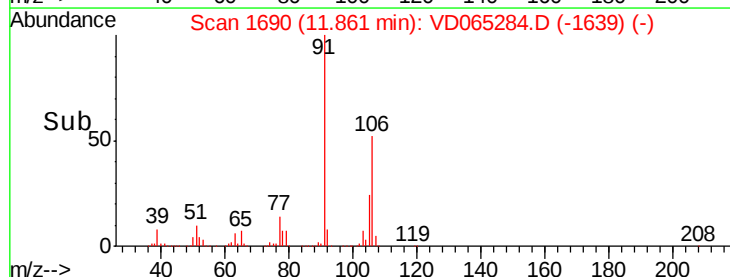
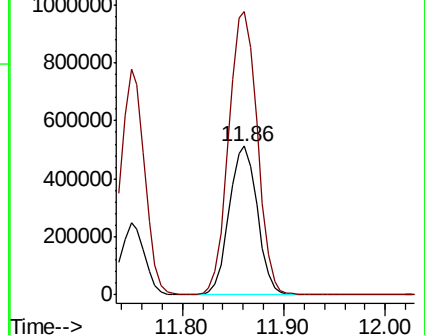
106 100

91 194.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

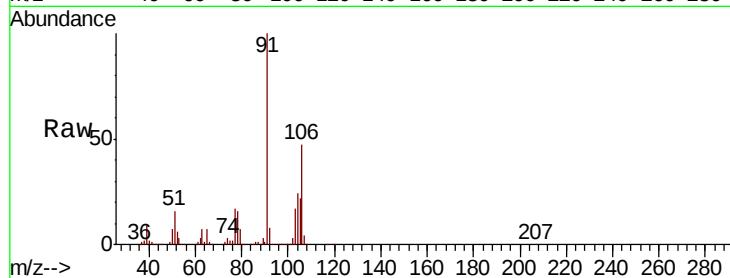




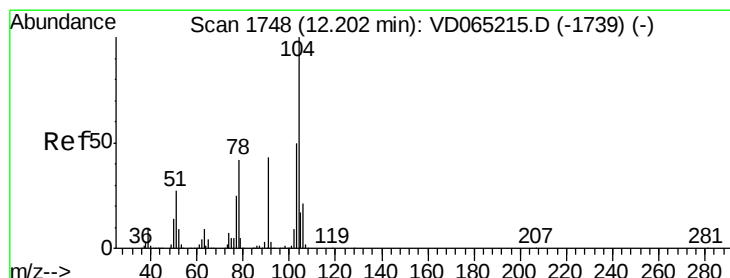
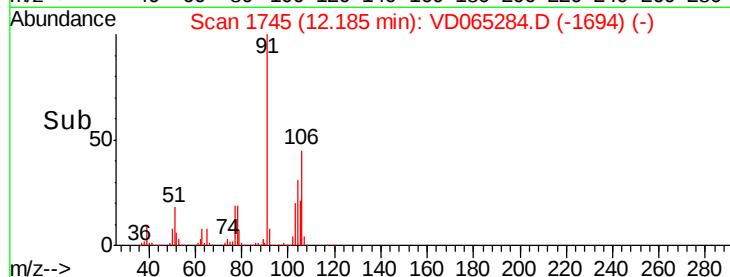
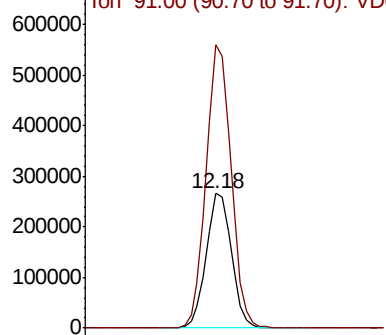
#69
o-Xylene
Concen: 53.992 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 437490
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9

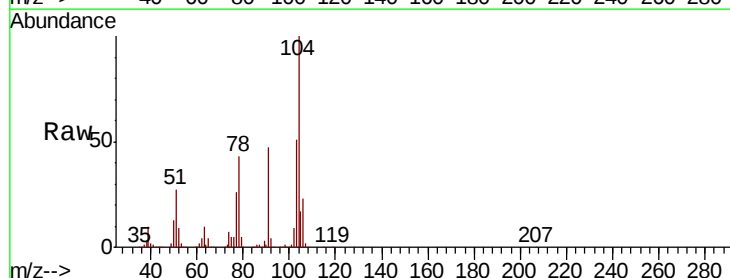


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

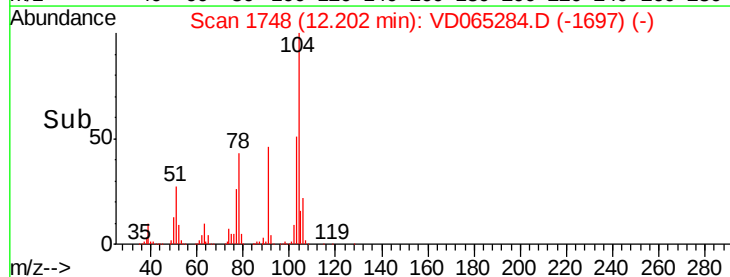
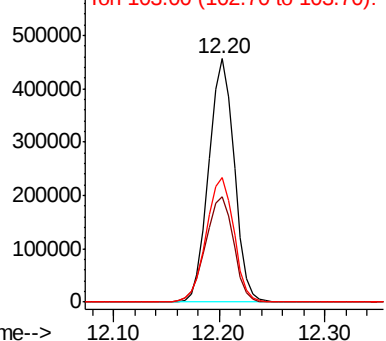


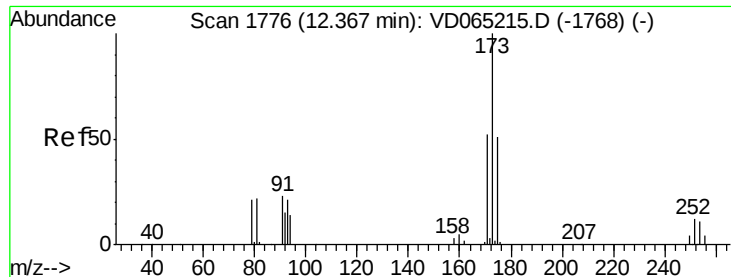
#70
Styrene
Concen: 52.988 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion:104 Resp: 762308
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 55.3 43.4 65.2



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





#71

Bromoform

Concen: 48.498 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

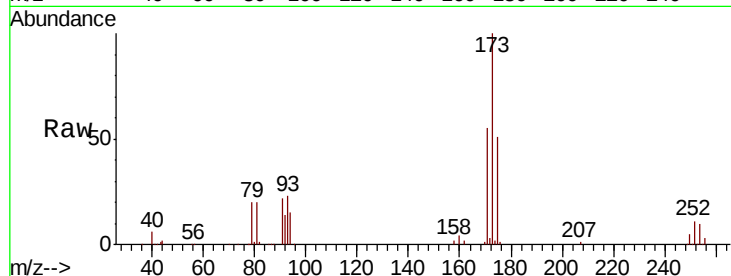
Tot Ion:173 Resp: 137076

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

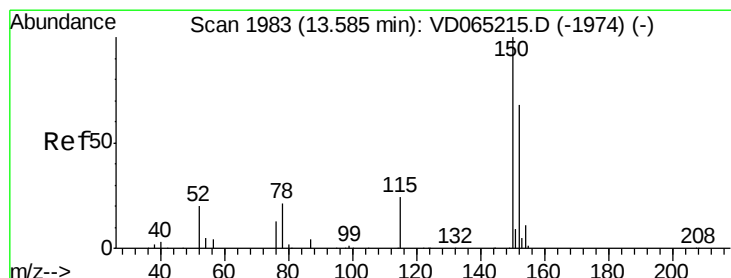
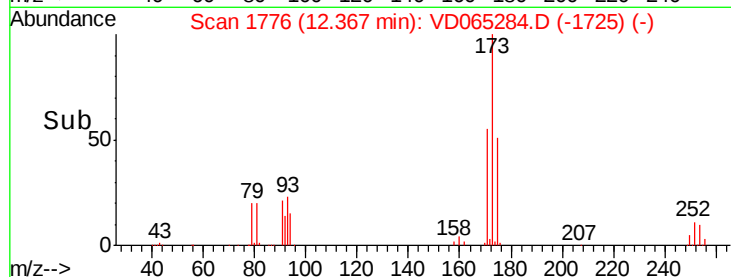
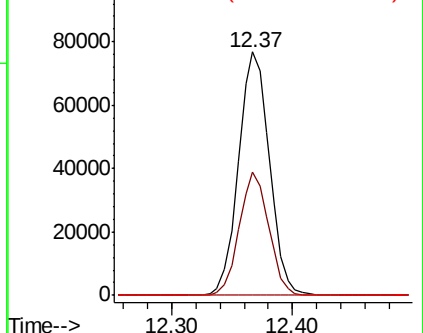
254 0.2 0.0 0.0#



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: VD065284.D

Acq: 24 Feb 2020 10:00

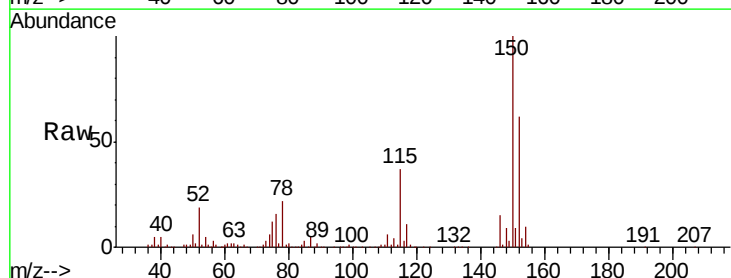
Tgt Ion:152 Resp: 325224

Ion Ratio Lower Upper

152 100

115 56.4 27.6 82.8

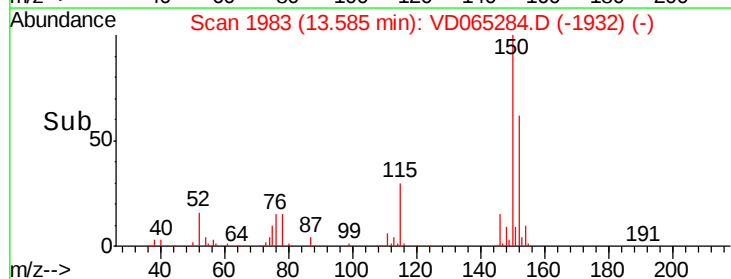
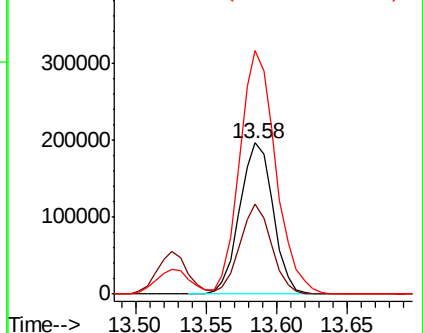
150 173.6 0.0 347.4

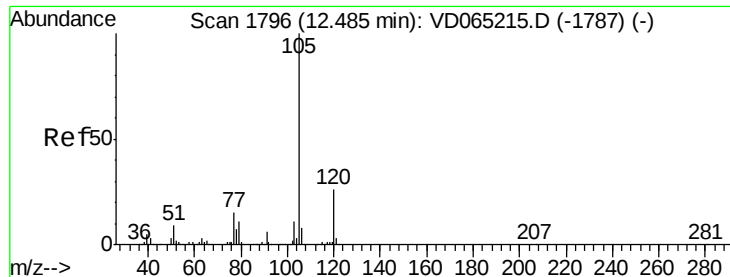


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.456 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

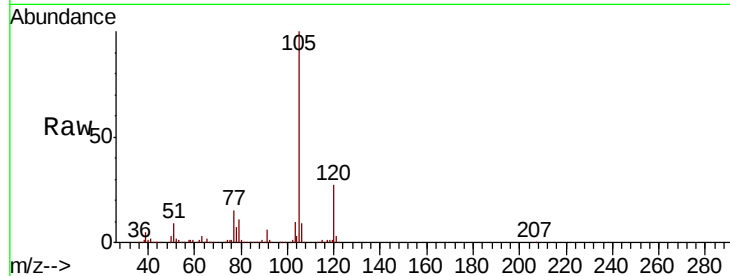
ClientSampled :

Tot Ion:105 Resp: 1215577

Ion Ratio Lower Upper

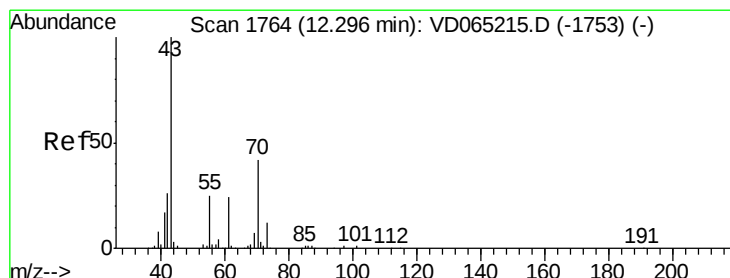
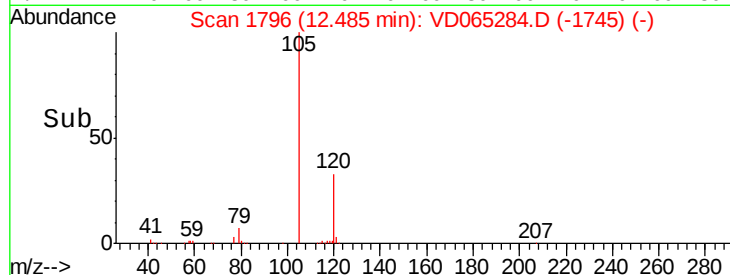
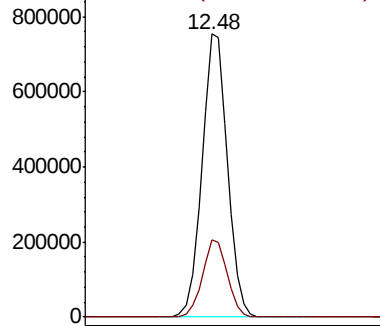
105 100

120 26.8 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: 49.972 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion: 43 Resp: 239084

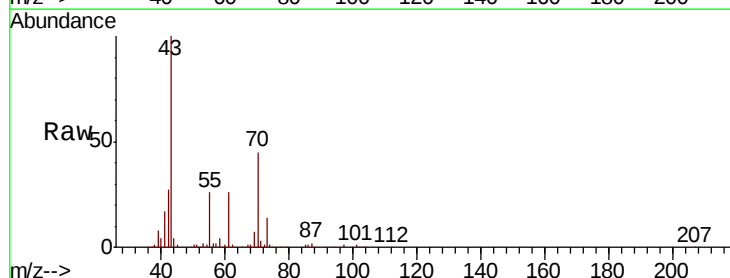
Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 26.9 20.7 31.1

61 23.8 19.0 28.4

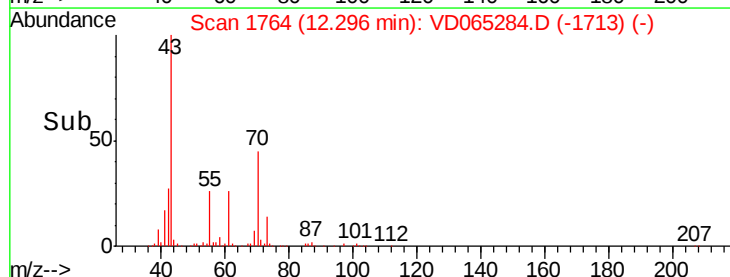
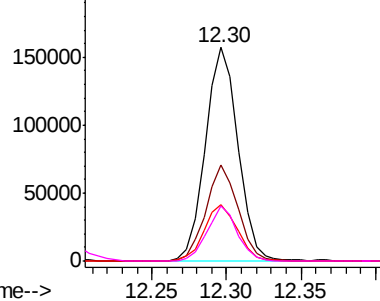


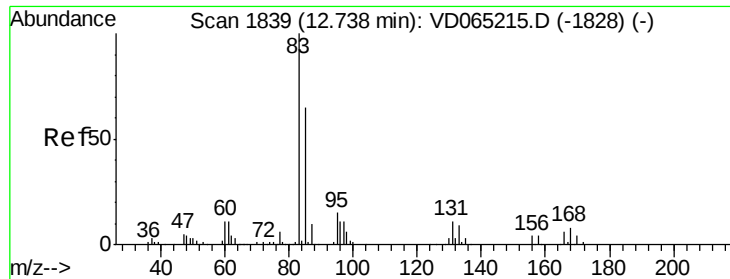
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.144 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

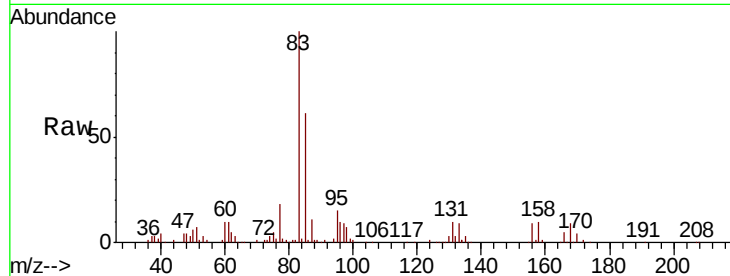
Tot Ion: 83 Resp: 190970

Ion Ratio Lower Upper

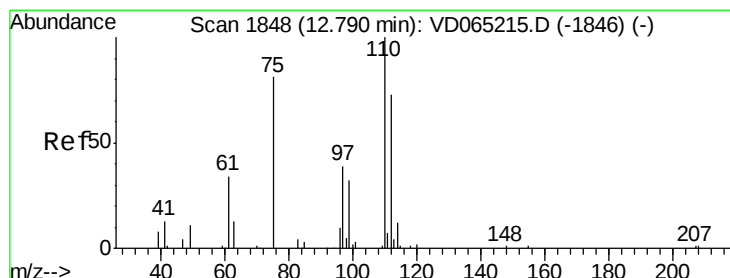
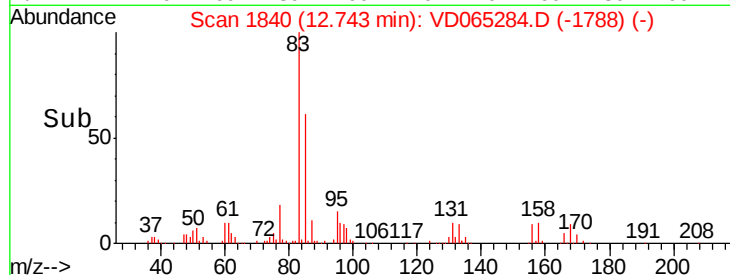
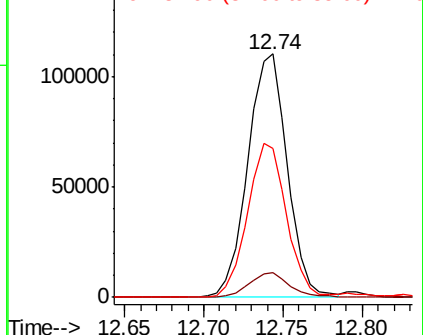
83 100

131 10.6 5.4 16.2

85 62.2 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: 89.780 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065284.D

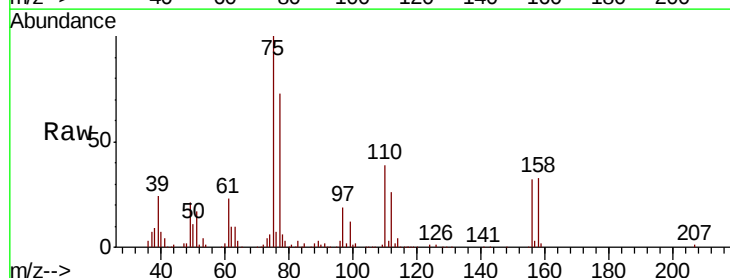
Acq: 24 Feb 2020 10:00

Tgt Ion: 75 Resp: 248430

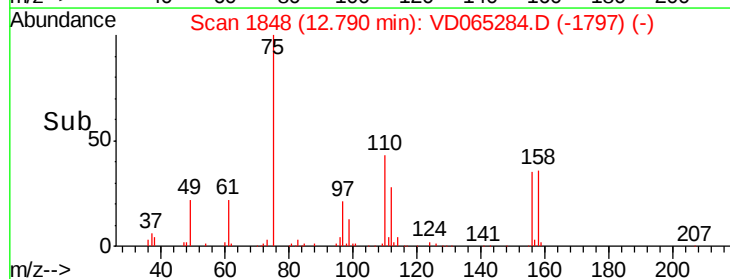
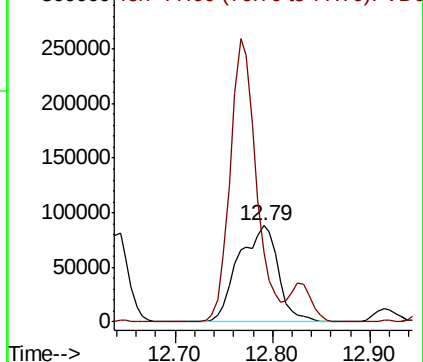
Ion Ratio Lower Upper

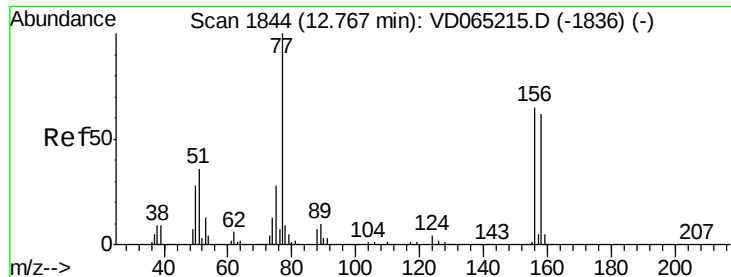
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.448 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

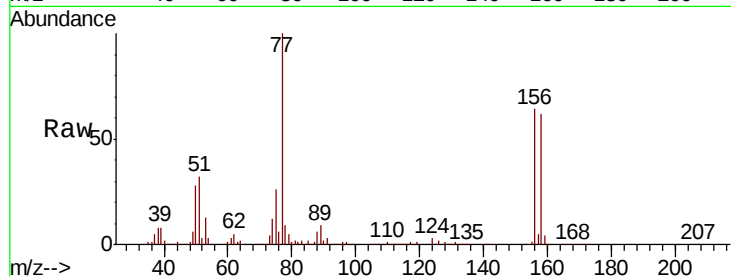
Tot Ion:156 Resp: 280418

Ion Ratio Lower Upper

156 100

77 171.4 86.6 259.7

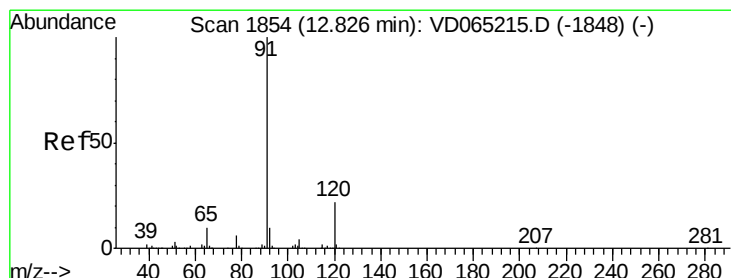
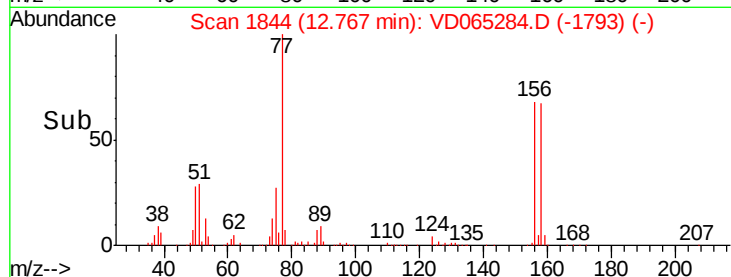
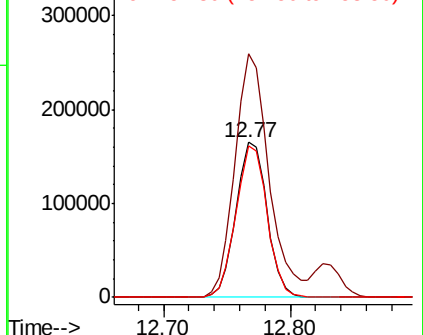
158 98.0 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.988 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065284.D

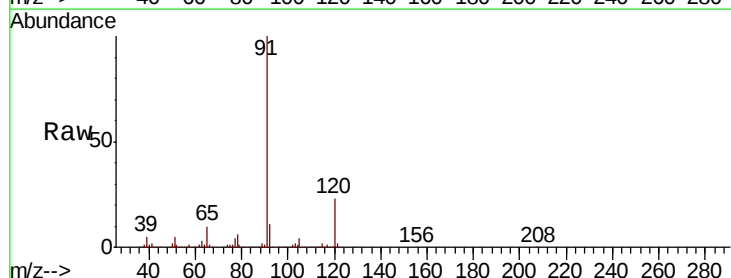
Acq: 24 Feb 2020 10:00

Tgt Ion: 91 Resp: 1448682

Ion Ratio Lower Upper

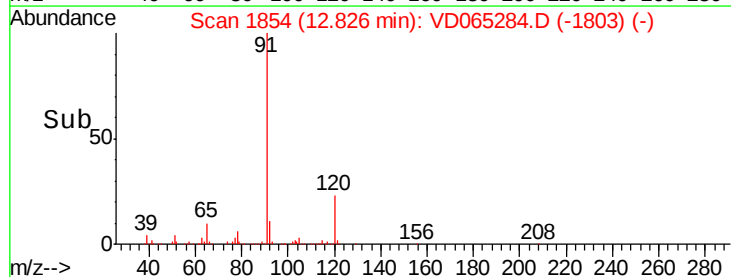
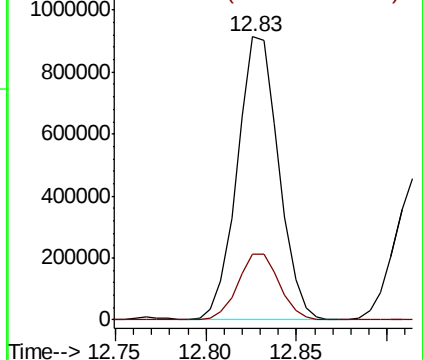
91 100

120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.922 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

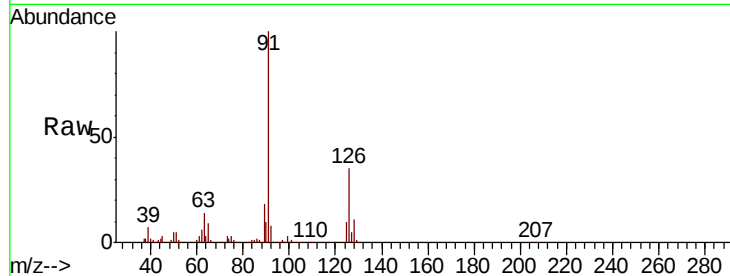
ClientSampleId :

Tot Ion: 91 Resp: 781614

Ion Ratio Lower Upper

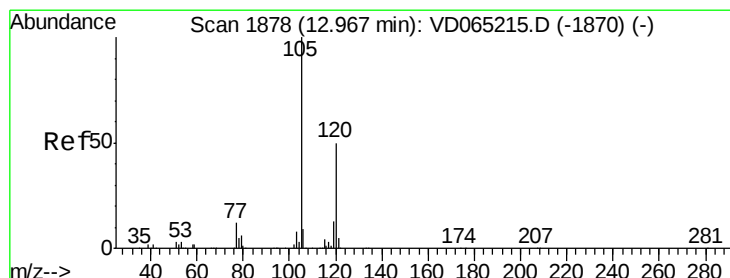
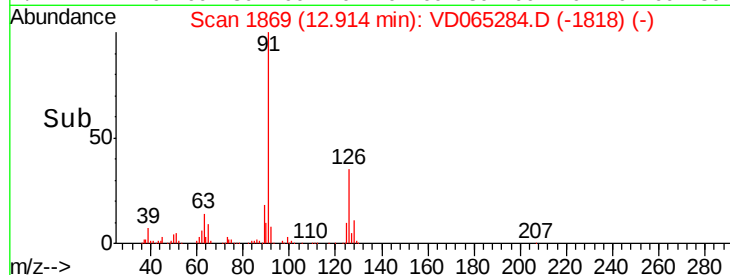
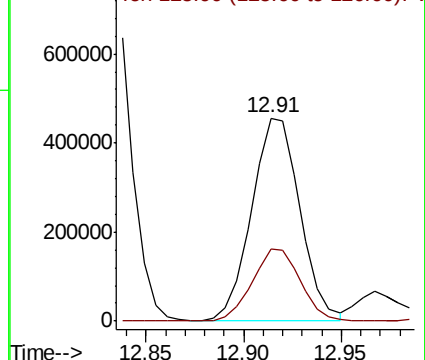
91 100

126 35.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.007 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065284.D

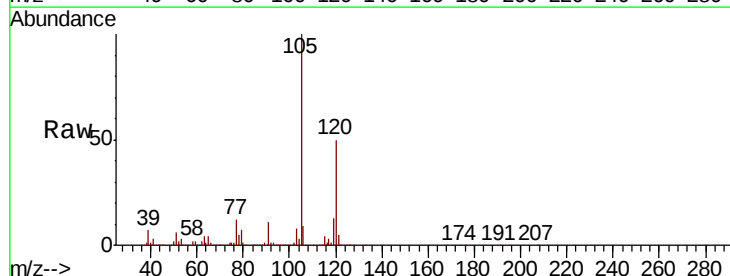
Acq: 24 Feb 2020 10:00

Tgt Ion:105 Resp: 993216

Ion Ratio Lower Upper

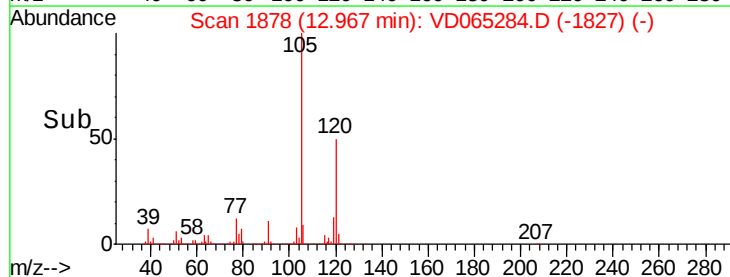
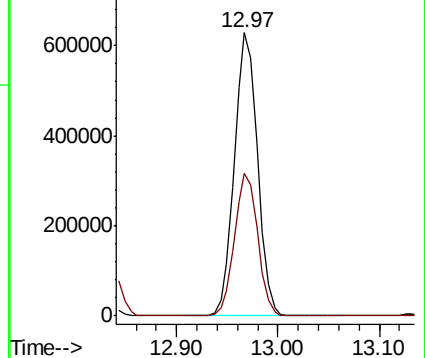
105 100

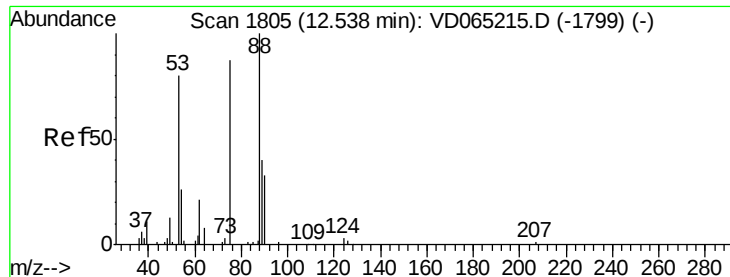
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.081 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

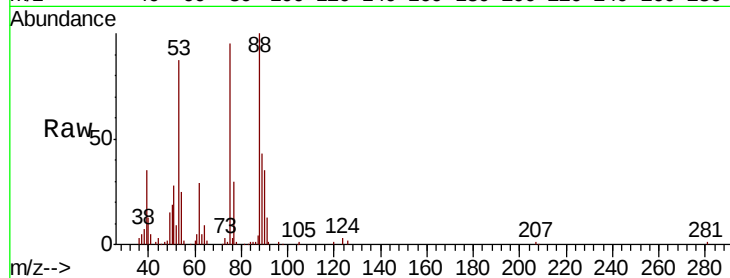
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 75 Resp: 61618

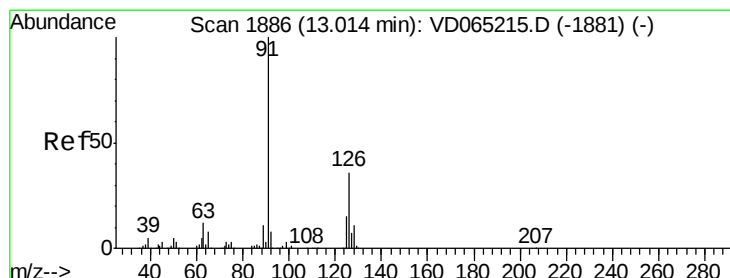
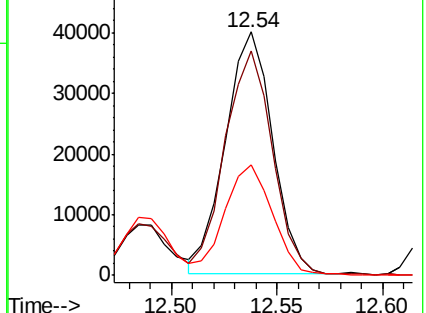
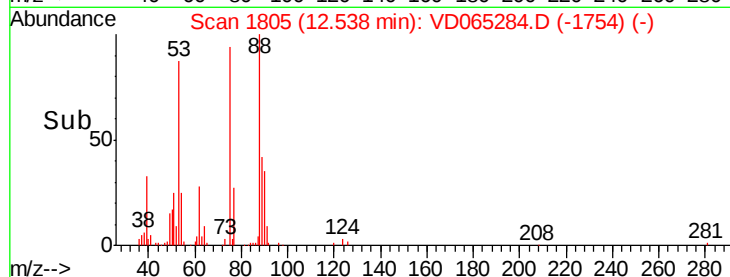
Ion	Ratio	Lower	Upper
75	100		
53	95.0	77.6	116.4
89	46.8	37.2	55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.394 ug/l

RT: 13.01 min Scan# 1886

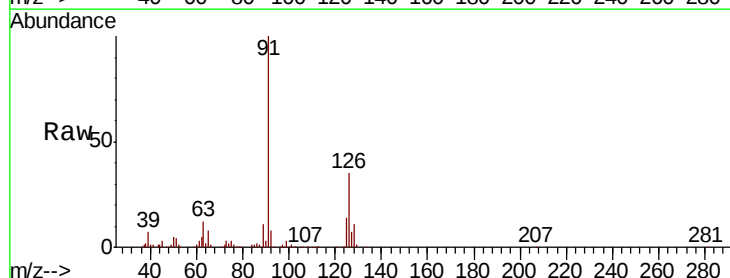
Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

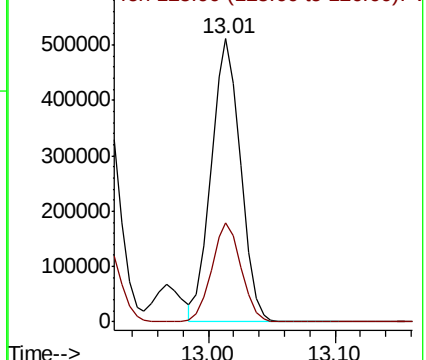
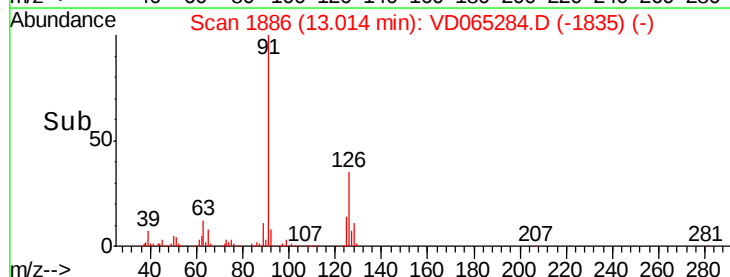
Tgt Ion: 91 Resp: 821661

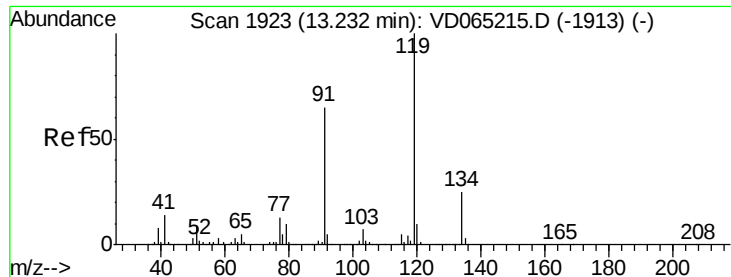
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

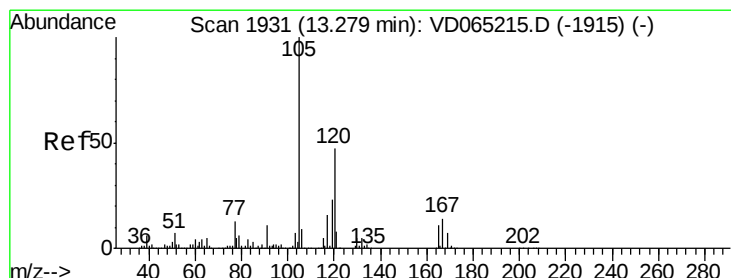
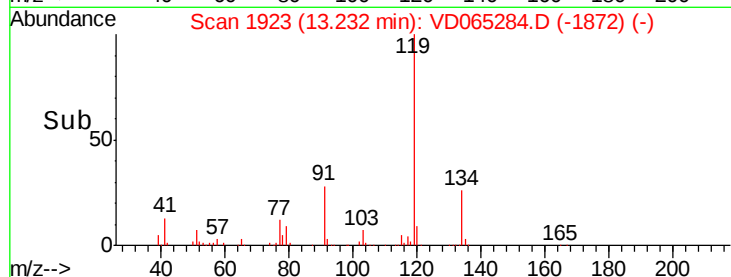
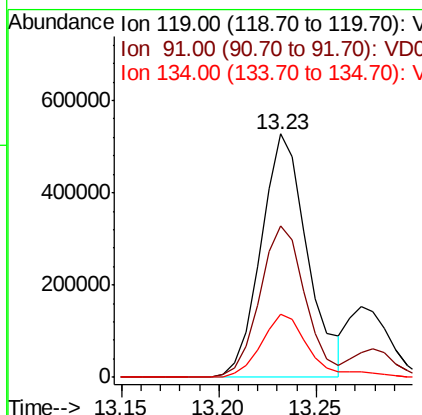
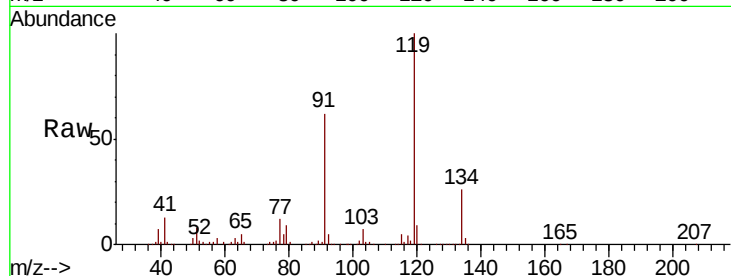




#83
tert-Butylbenzene
Concen: 58.476 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

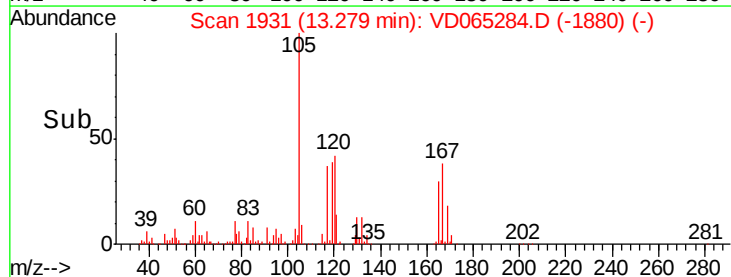
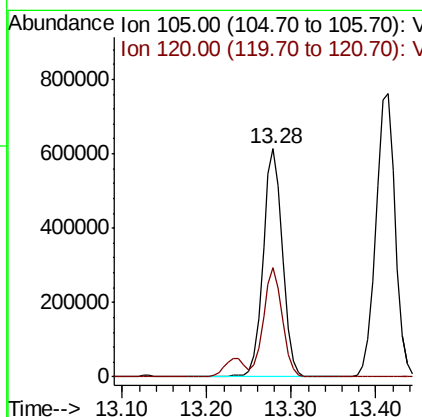
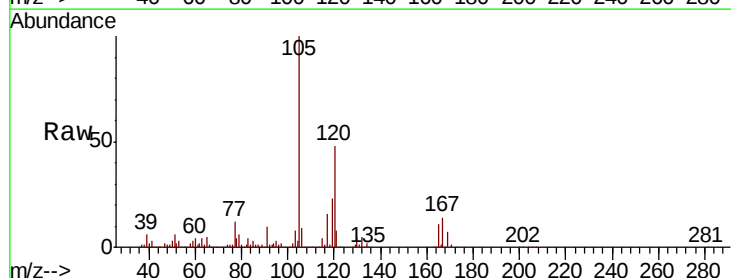
Instrument :
MSVOA_D
ClientSampleId :

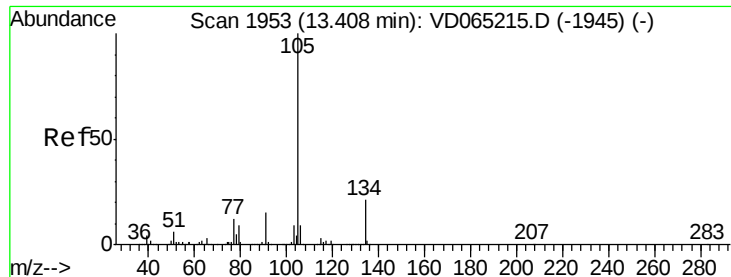
Tot Ion:119 Resp: 869145
Ion Ratio Lower Upper
119 100
91 60.9 31.9 95.5
134 26.8 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 54.949 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion:105 Resp: 975359
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.9





#85

sec-Butylbenzene

Concen: 56.314 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

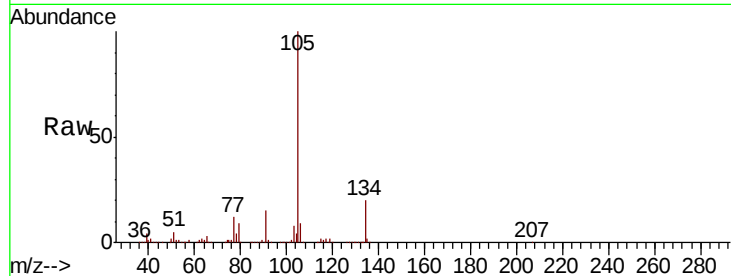
ClientSampleId :

Tot Ion:105 Resp: 1206075

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

0

13.41

13.40

13.39

13.38

13.37

13.36

13.35

13.34

13.33

13.32

13.31

13.30

13.29

13.28

13.27

13.26

13.25

13.24

13.23

13.22

13.21

13.20

13.19

13.18

13.17

13.16

13.15

13.14

13.13

13.12

13.11

13.10

13.09

13.08

13.07

13.06

13.05

13.04

13.03

13.02

13.01

13.00

12.99

12.98

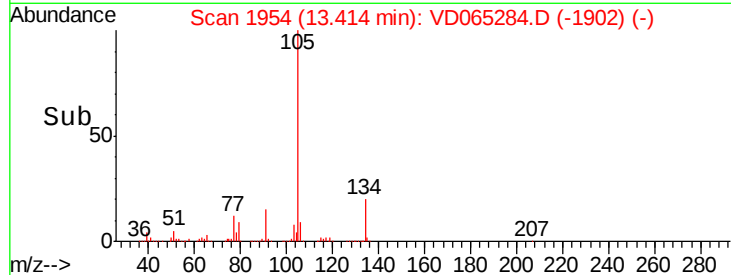
12.97

12.96

12.95

12.94

12.93



Time--> 13.30

13.40

13.41

13.42

13.43

13.44

13.45

13.46

13.47

13.48

13.49

13.50

13.51

13.52

13.53

13.54

13.55

13.56

13.57

13.58

13.59

13.60

13.61

13.62

13.63

13.64

13.65

13.66

13.67

13.68

13.69

13.70

13.71

13.72

13.73

13.74

13.75

13.76

13.77

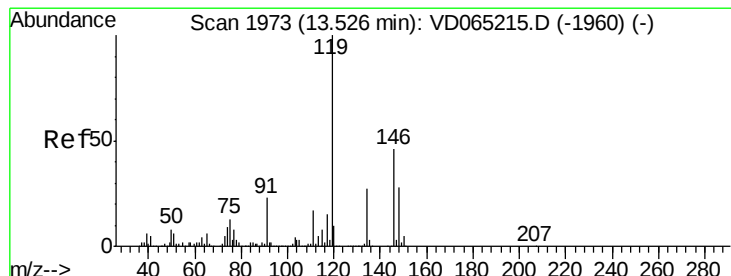
13.78

13.79

13.80

13.81

13.82



#86

p-Isopropyltoluene

Concen: 56.839 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

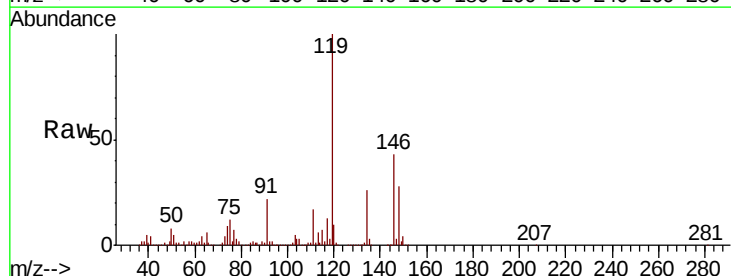
Tgt Ion:119 Resp: 1113242

Ion Ratio Lower Upper

119 100

134 26.5 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

1000000

800000

600000

400000

200000

0

13.53

13.52

13.51

13.50

13.49

13.48

13.47

13.46

13.45

13.44

13.43

13.42

13.41

13.40

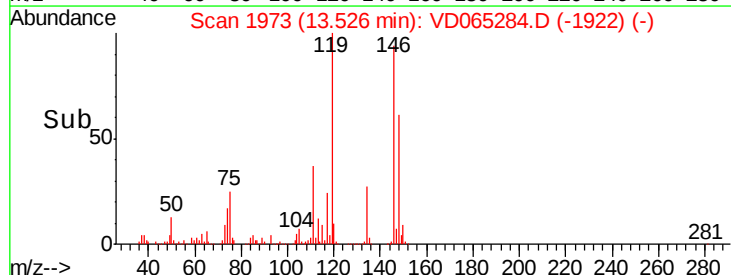
13.39

13.38

13.37

13.36

13.35



Time--> 13.45

13.50

13.53

13.56

13.59

13.62

13.65

13.68

13.71

13.74

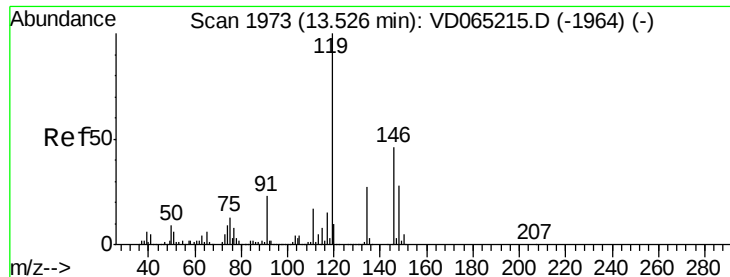
13.77

13.80

13.83

13.86

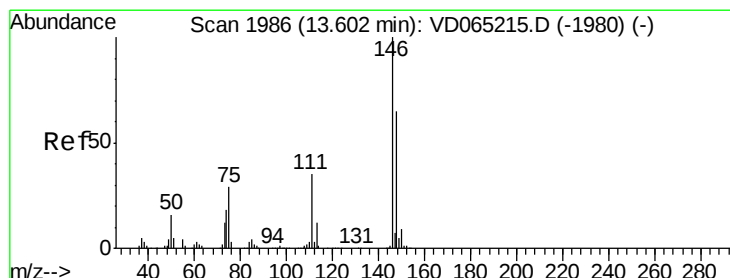
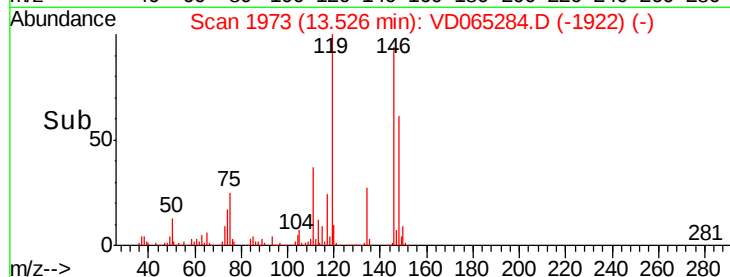
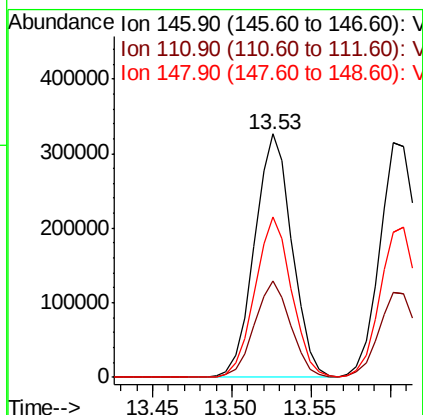
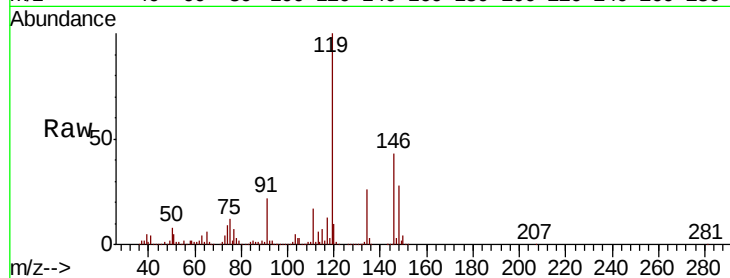
13.89



#87
 1,3-Dichlorobenzene
 Concen: 51.733 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

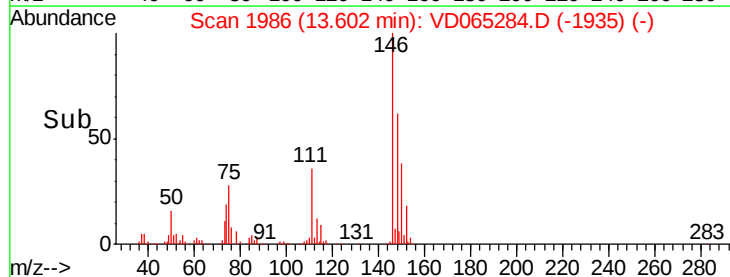
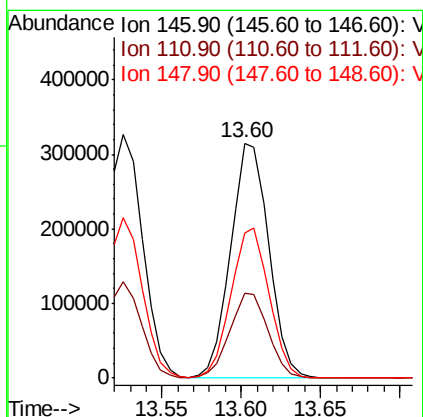
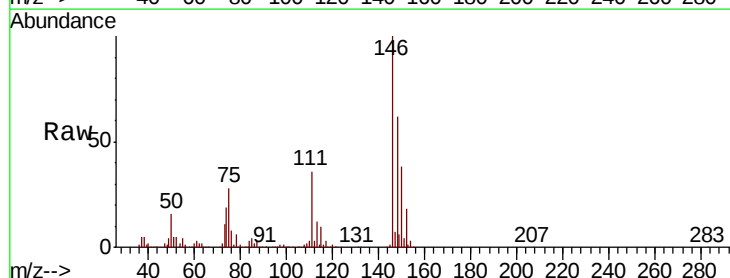
Instrument :
 MSVOA_D
 ClientSampleId :

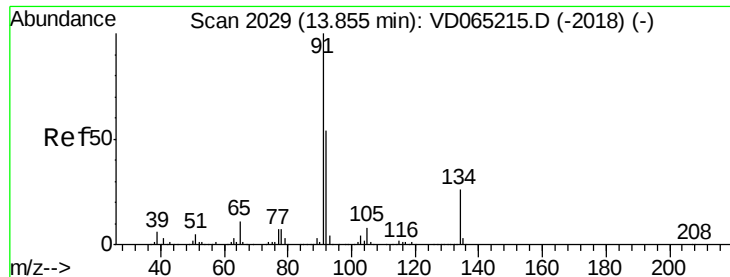
Tot Ion:146 Resp: 534717
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 64.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 51.353 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion:146 Resp: 523870
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.2
 148 63.9 32.1 96.5

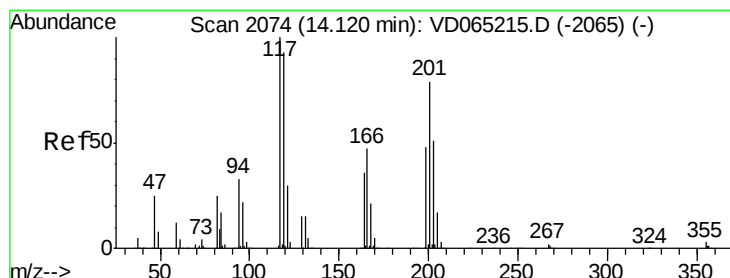
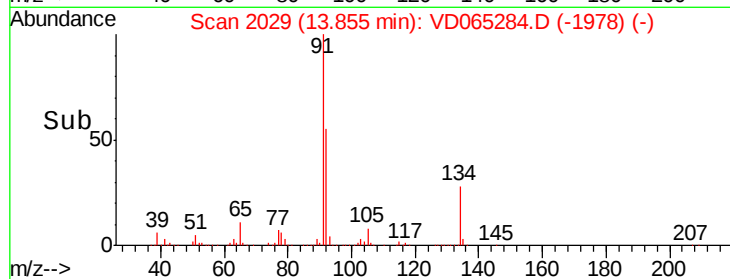
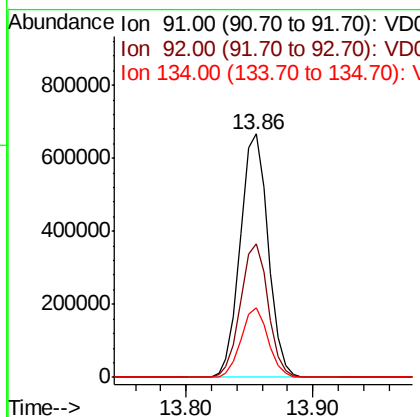
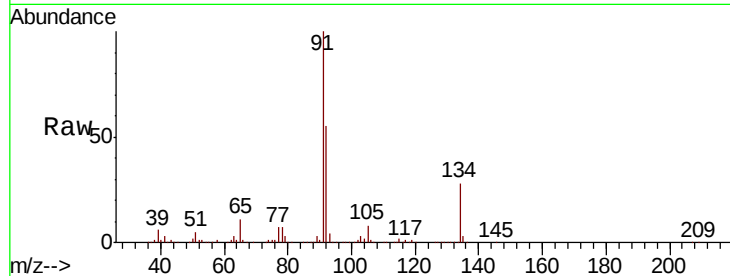




#89
n-Butylbenzene
Concen: 56.351 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

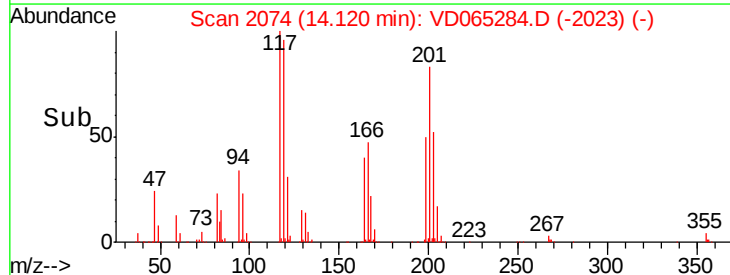
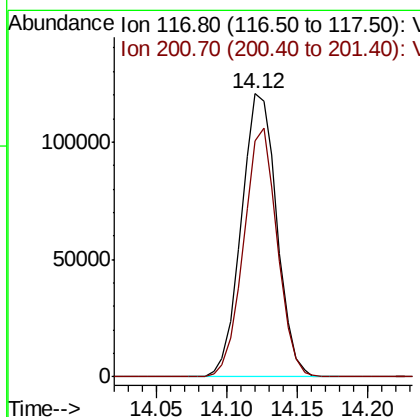
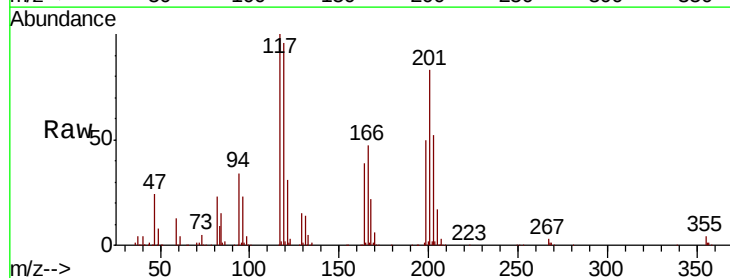
Instrument :
MSVOA_D
ClientSampled :

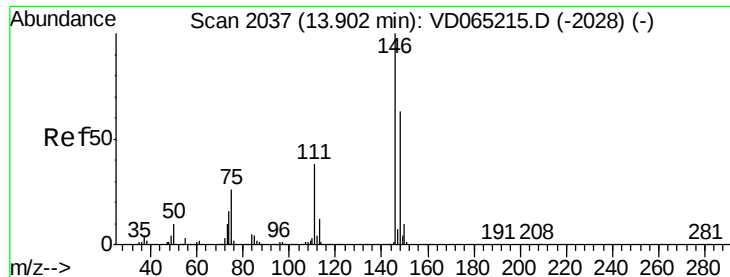
Tot Ion: 91 Resp: 1017027
Ion Ratio Lower Upper
91 100
92 54.3 27.0 80.8
134 27.6 13.5 40.4



#90
Hexachloroethane
Concen: 53.408 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 117 Resp: 212396
Ion Ratio Lower Upper
117 100
201 83.2 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 51.265 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

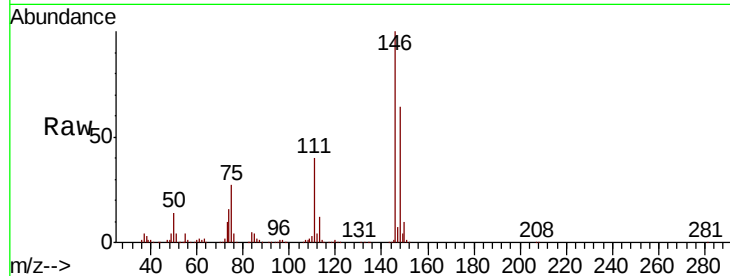
Tot Ion:146 Resp: 454978

Ion Ratio Lower Upper

146 100

111 39.8 19.7 59.0

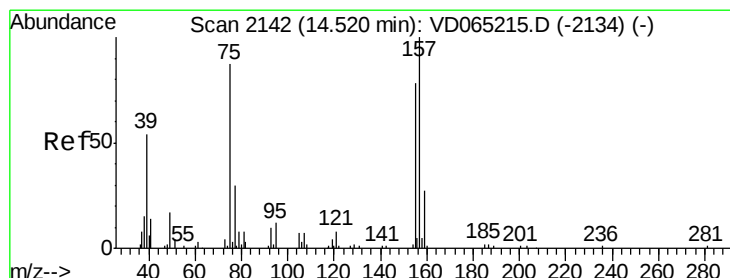
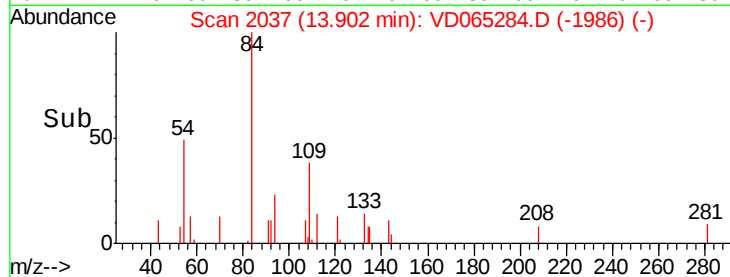
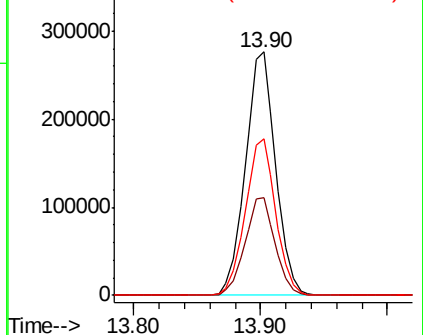
148 64.6 32.0 96.2



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: 48.253 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

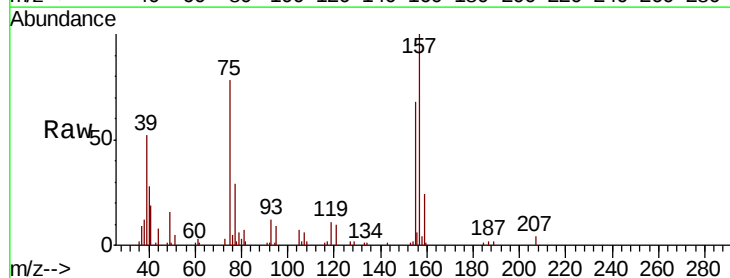
Tgt Ion: 75 Resp: 28896

Ion Ratio Lower Upper

75 100

155 90.1 42.3 126.9

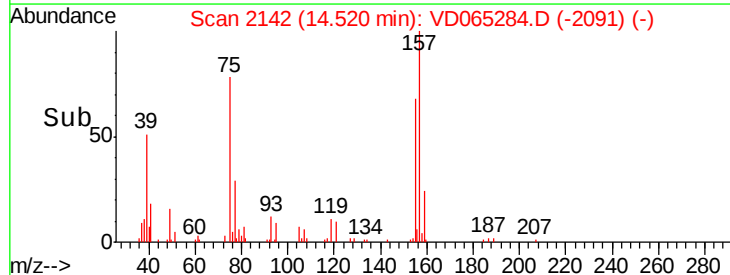
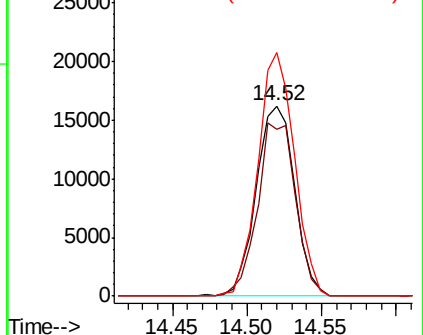
157 121.7 56.7 170.1

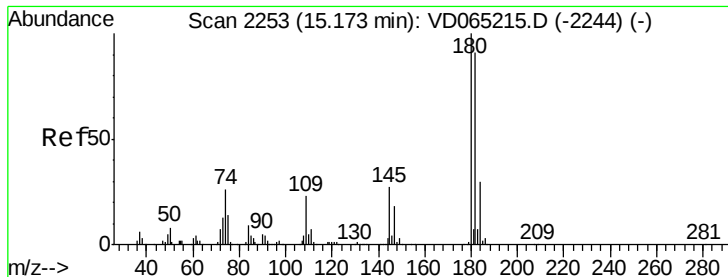


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 54.575 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampled :

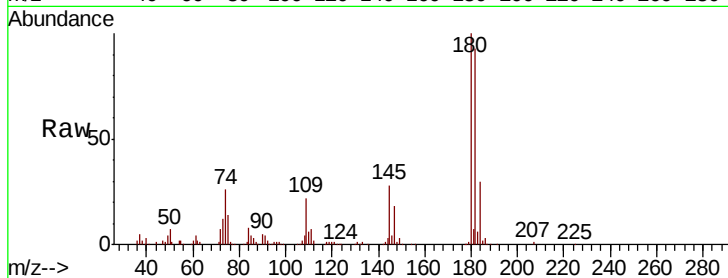
Tot Ion:180 Resp: 316819

Ion Ratio Lower Upper

180 100

182 96.4 46.9 140.6

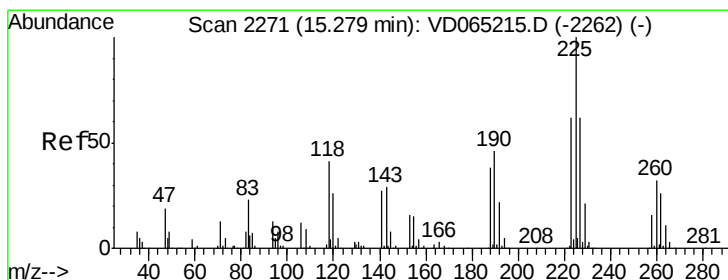
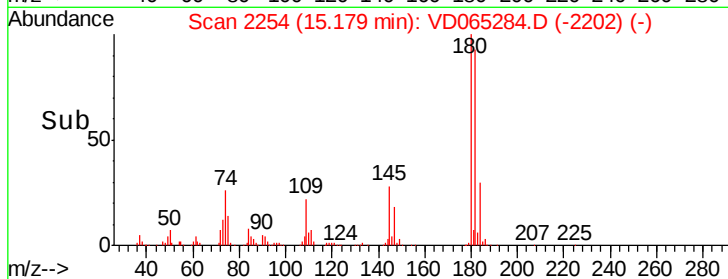
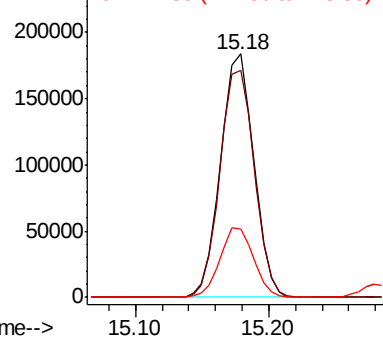
145 28.9 13.9 41.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 54.379 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

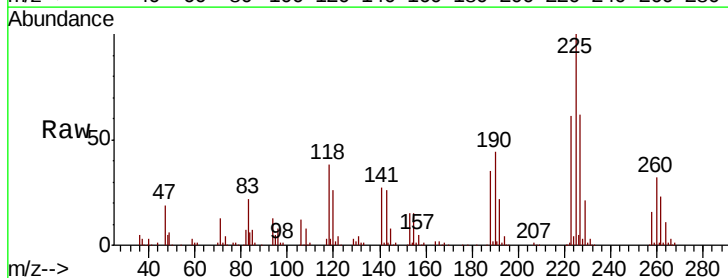
Tgt Ion:225 Resp: 202505

Ion Ratio Lower Upper

225 100

223 63.0 31.4 94.2

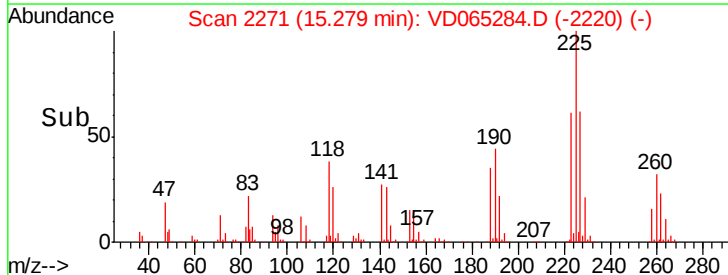
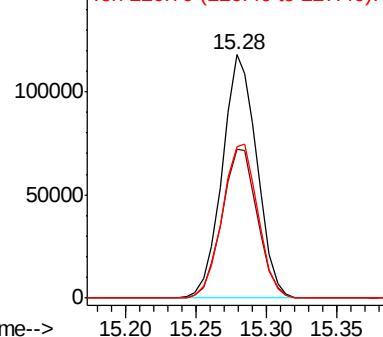
227 65.1 31.7 95.1

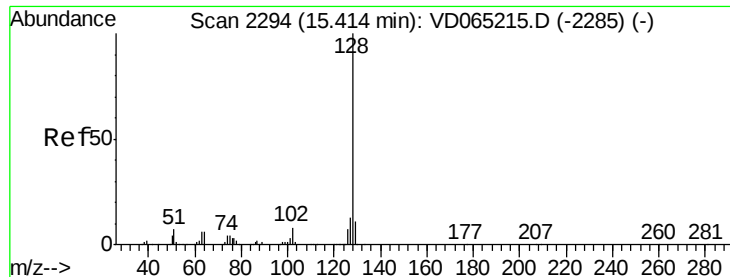


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

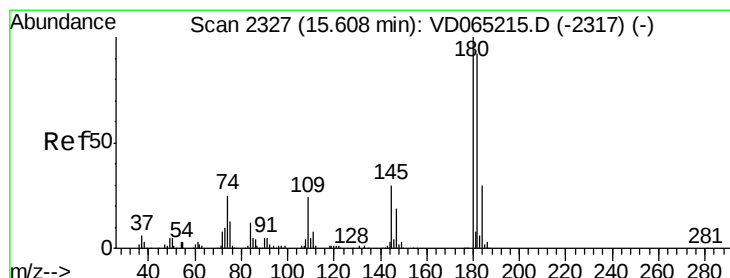
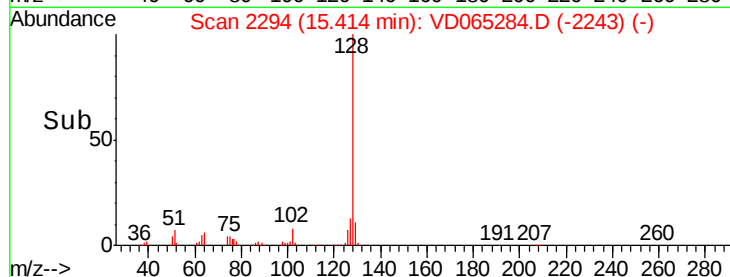
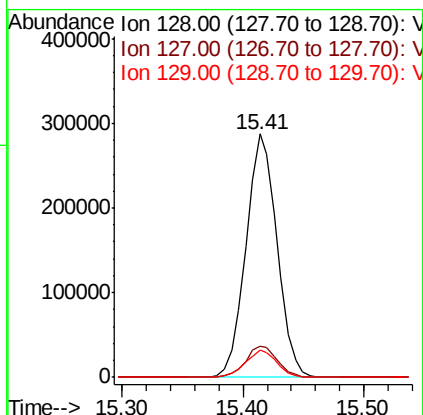
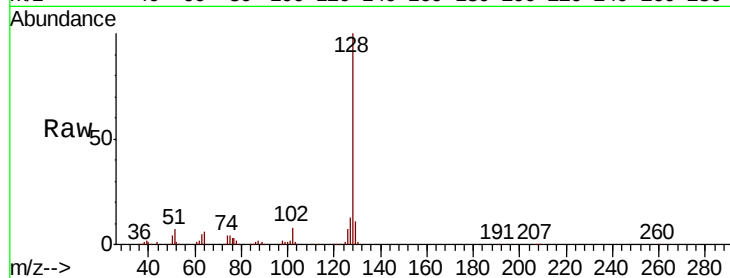




#95
Naphthalene
Concen: 54.423 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.380 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.6
145	30.4	15.4	46.1

