

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065423.D
 Acq On : 05 Mar 2020 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:46:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	757263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	673784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216623	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	7.92	113	234209	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.34	98	936154	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.64	95	285953	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	218369	47.920	ug/l 100
3) Chloromethane	2.21	50	259283	47.128	ug/l 100
4) Vinyl Chloride	2.36	62	271142	49.967	ug/l 97
5) Bromomethane	2.77	94	170936	56.875	ug/l 99
6) Chloroethane	2.93	64	165728	49.865	ug/l 99
7) Trichlorofluoromethane	3.27	101	397987	49.774	ug/l 100
8) Diethyl Ether	3.71	74	115826	48.711	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	259152	50.324	ug/l 98
10) Methyl Iodide	4.30	142	302223	56.490	ug/l 97
11) Tert butyl alcohol	5.24	59	52473	201.134	ug/l # 92
12) 1,1-Dichloroethene	4.07	96	246513	49.991	ug/l 96
13) Acrolein	3.92	56	96663	214.840	ug/l 98
14) Allyl chloride	4.71	41	385624	50.907	ug/l 99
15) Acrylonitrile	5.43	53	252360	243.954	ug/l 99
16) Acetone	4.16	43	270646	294.231	ug/l 99
17) Carbon Disulfide	4.40	76	817808	49.801	ug/l 99
18) Methyl Acetate	4.71	43	111560	47.812	ug/l 100
19) Methyl tert-butyl Ether	5.49	73	486024	51.253	ug/l 100
20) Methylene Chloride	4.96	84	267418	53.797	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	280910	51.210	ug/l 99
22) Diisopropyl ether	6.37	45	743343	52.788	ug/l 96
23) Vinyl Acetate	6.31	43	2077918	265.757	ug/l 100
24) 1,1-Dichloroethane	6.26	63	454307	50.298	ug/l 98
25) 2-Butanone	7.22	43	328094	261.375	ug/l 98
26) 2,2-Dichloropropane	7.21	77	406250	51.469	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	286989	51.184	ug/l 98
28) Bromochloromethane	7.55	49	183251	50.711	ug/l 98
29) Tetrahydrofuran	7.57	42	199750	249.181	ug/l 99
30) Chloroform	7.71	83	453942	50.282	ug/l 100
31) Cyclohexane	7.98	56	451383	49.978	ug/l 96
32) 1,1,1-Trichloroethane	7.91	97	421507	50.523	ug/l 99
36) 1,1-Dichloropropene	8.11	75	385685	53.133	ug/l 100
37) Ethyl Acetate	7.30	43	144387	51.463	ug/l 96
38) Carbon Tetrachloride	8.10	117	394595	52.422	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	480495	54.806	ug/l	95
40) Benzene	8.36	78	1052229	51.846	ug/l	99
41) Methacrylonitrile	7.57	41	194755	131.256	ug/l #	15
42) 1,2-Dichloroethane	8.43	62	266855	50.353	ug/l	100
43) Isopropyl Acetate	8.46	43	260947	50.371	ug/l	100
44) Trichloroethene	9.11	130	298267	52.040	ug/l	99
45) 1,2-Dichloropropane	9.39	63	257033	52.283	ug/l	98
46) Dibromomethane	9.48	93	128803	50.510	ug/l	97
47) Bromodichloromethane	9.67	83	340190	51.279	ug/l	99
48) Methyl methacrylate	9.46	41	122925	50.444	ug/l	98
49) 1,4-Dioxane	9.47	88	26892	921.935	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	684382	262.525	ug/l	99
52) Toluene	10.41	92	670308	52.427	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	326763	52.706	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	402636	53.654	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	181755	50.323	ug/l	97
56) Ethyl methacrylate	10.67	69	220630	54.186	ug/l	99
57) 1,3-Dichloropropane	10.95	76	318671	52.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	285111	224.268	ug/l	100
59) 2-Hexanone	10.99	43	512110	283.778	ug/l	99
60) Dibromochloromethane	11.14	129	238152	51.440	ug/l	100
61) 1,2-Dibromoethane	11.25	107	175949	51.073	ug/l	97
64) Tetrachloroethene	10.88	164	260724	54.002	ug/l	99
65) Chlorobenzene	11.68	112	691056	51.829	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	258322	53.196	ug/l	96
67) Ethyl Benzene	11.75	91	1264056	54.867	ug/l	98
68) m/p-Xylenes	11.86	106	976940	109.973	ug/l	98
69) o-Xylene	12.18	106	431305	55.195	ug/l	99
70) Styrene	12.20	104	769239	55.934	ug/l	99
71) Bromoform	12.37	173	139905	51.291	ug/l #	100
73) Isopropylbenzene	12.48	105	1214014	55.881	ug/l	100
74) N-amyl acetate	12.30	43	232691	52.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	187609	49.128	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	250793	96.226	ug/l #	100
77) Bromobenzene	12.77	156	288621	53.472	ug/l	98
78) n-propylbenzene	12.83	91	1448071	56.177	ug/l	100
79) 2-Chlorotoluene	12.91	91	783413	53.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	997995	55.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	66368	53.738	ug/l	97
82) 4-Chlorotoluene	13.01	91	820736	53.763	ug/l	99
83) tert-Butylbenzene	13.23	119	837173	55.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	984065	55.896	ug/l	99
85) sec-Butylbenzene	13.41	105	1211459	56.169	ug/l	100
86) p-Isopropyltoluene	13.53	119	1122133	57.016	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	543293	52.354	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	529906	51.335	ug/l	100
89) n-Butylbenzene	13.86	91	1029074	56.558	ug/l	99
90) Hexachloroethane	14.12	117	217635	53.697	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	459907	52.079	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28456	48.929	ug/l	99

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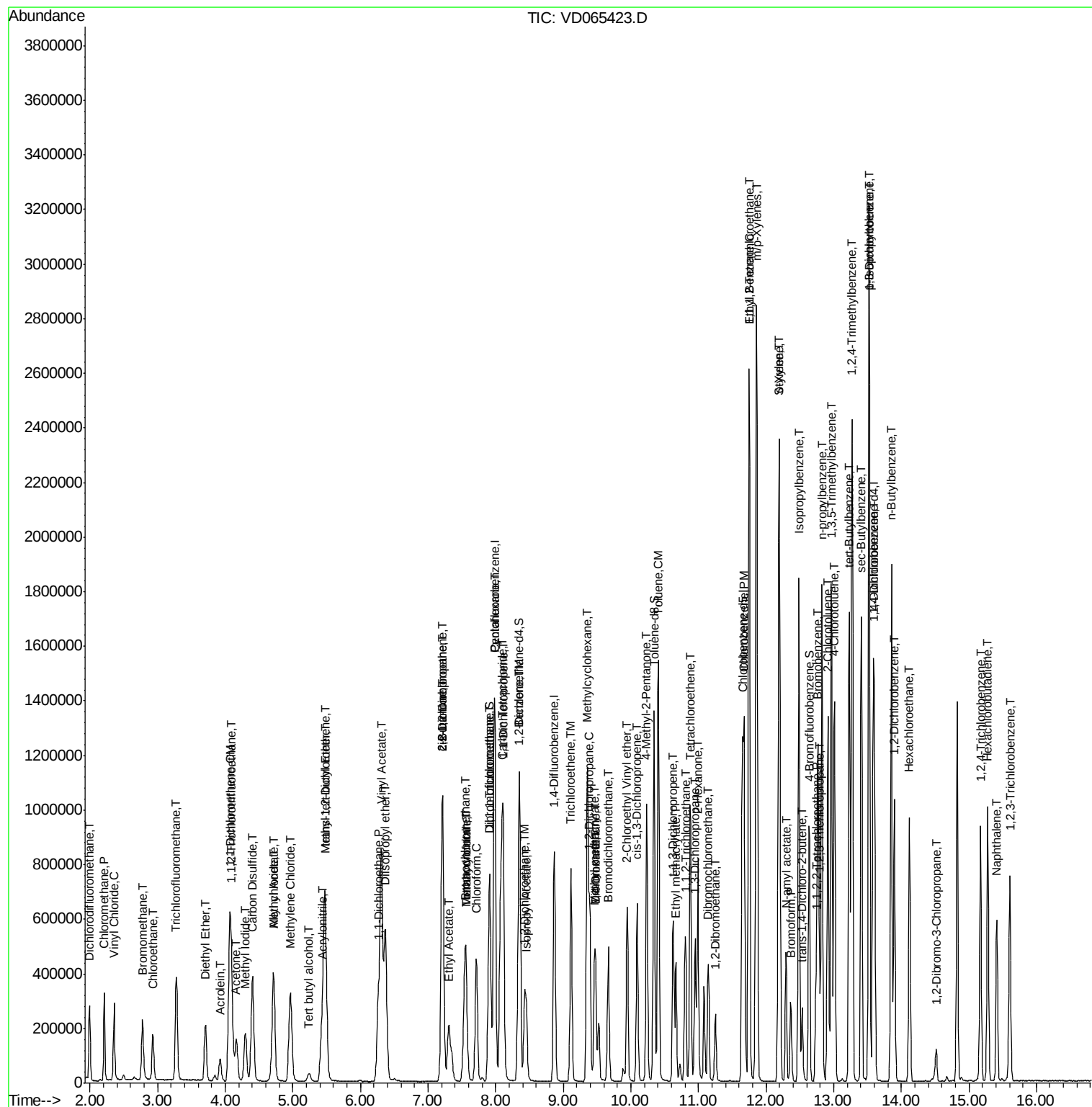
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	326604	54.568	ug/l	99
94) Hexachlorobutadiene	15.28	225	209218	53.199	ug/l	98
95) Naphthalene	15.41	128	526890	49.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	281581	54.442	ug/l	98

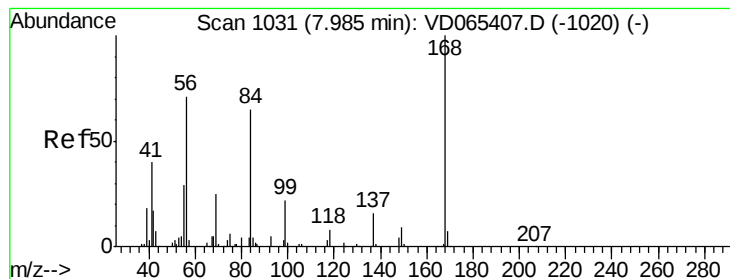
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

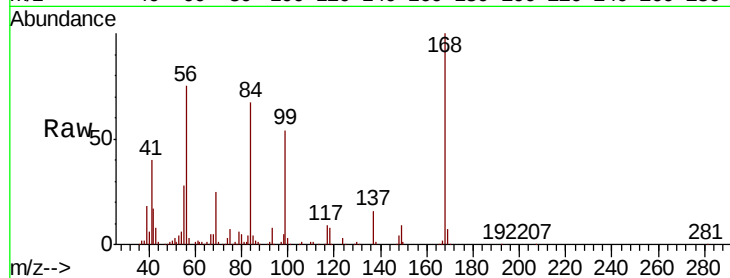
ClientSampleId :

Tot Ion:168 Resp: 530224

Ion Ratio Lower Upper

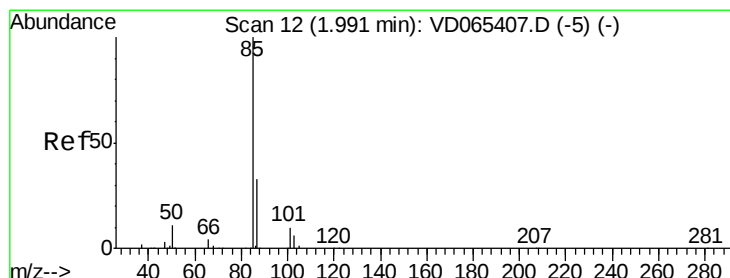
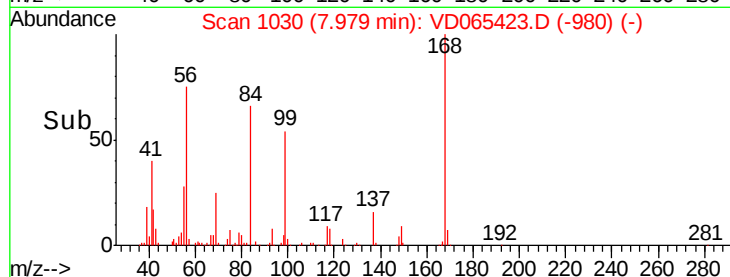
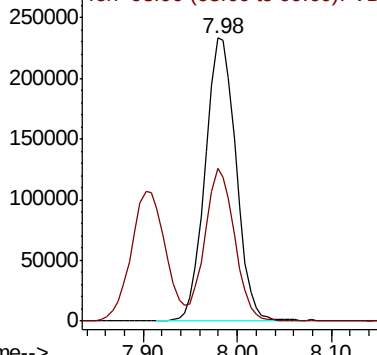
168 100

99 53.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.920 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065423.D

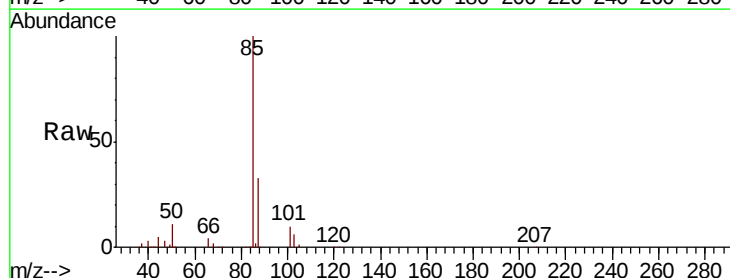
Acq: 05 Mar 2020 11:11

Tgt Ion: 85 Resp: 218369

Ion Ratio Lower Upper

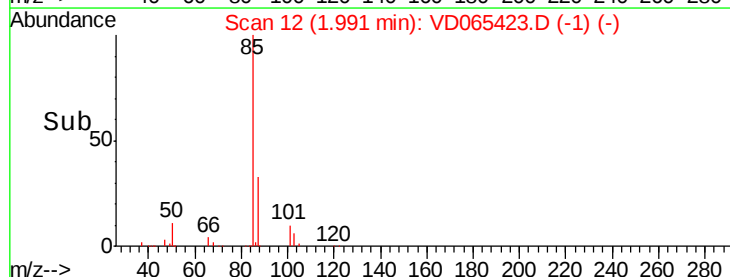
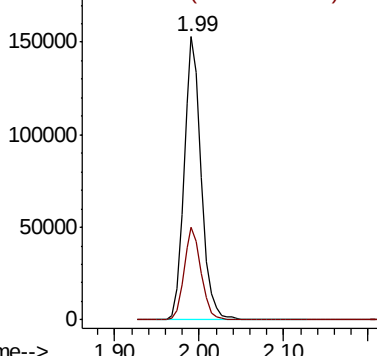
85 100

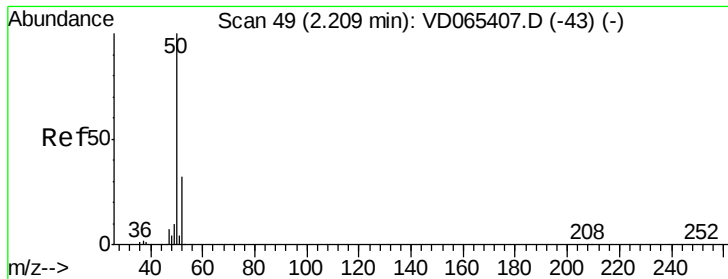
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.128 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

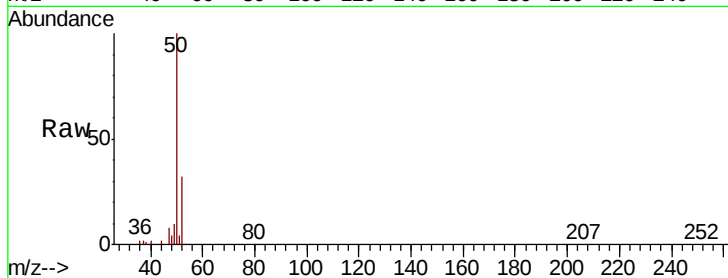
ClientSampleId :

Tot Ion: 50 Resp: 259283

Ion Ratio Lower Upper

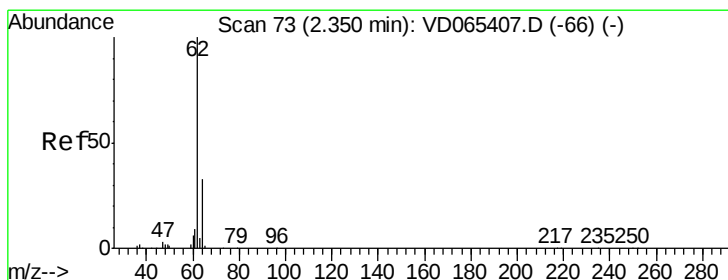
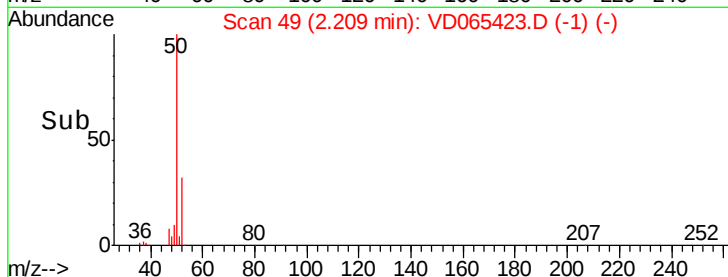
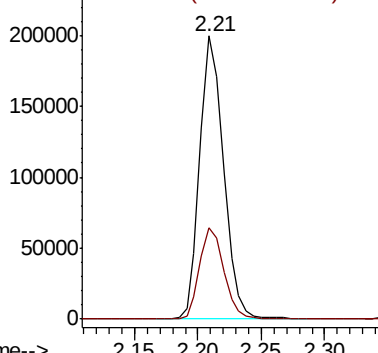
50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.967 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065423.D

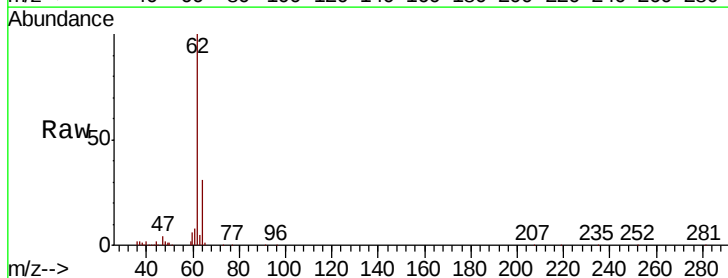
Acq: 05 Mar 2020 11:11

Tgt Ion: 62 Resp: 271142

Ion Ratio Lower Upper

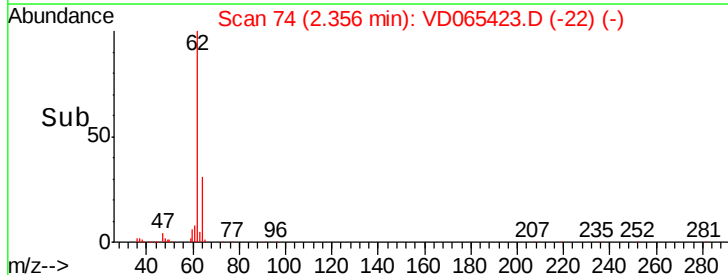
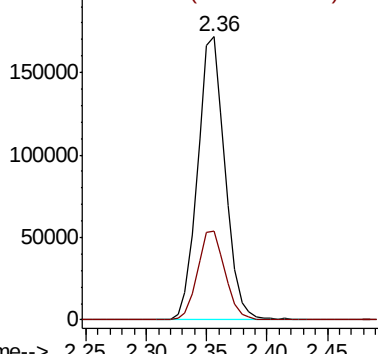
62 100

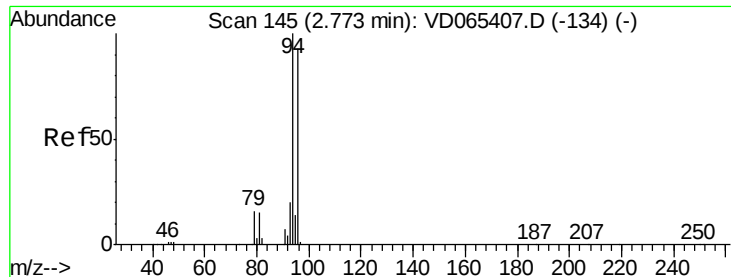
64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.875 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

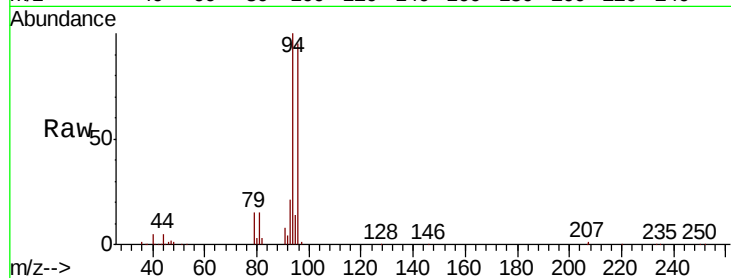
ClientSampleId :

Tot Ion: 94 Resp: 170936

Ion Ratio Lower Upper

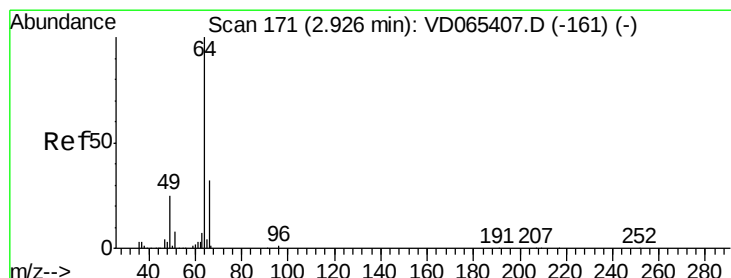
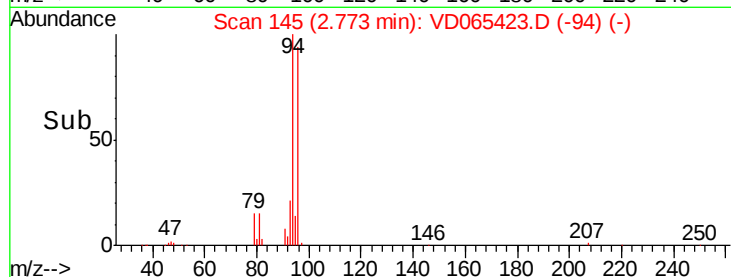
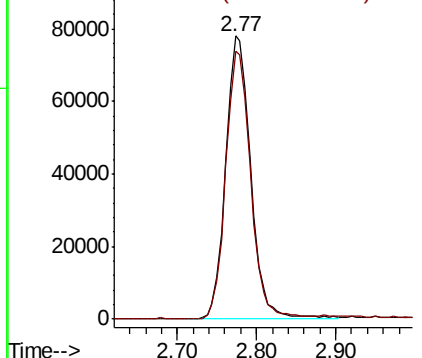
94 100

96 94.3 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.865 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065423.D

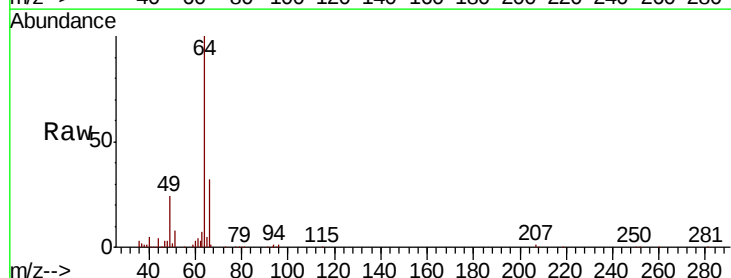
Acq: 05 Mar 2020 11:11

Tgt Ion: 64 Resp: 165728

Ion Ratio Lower Upper

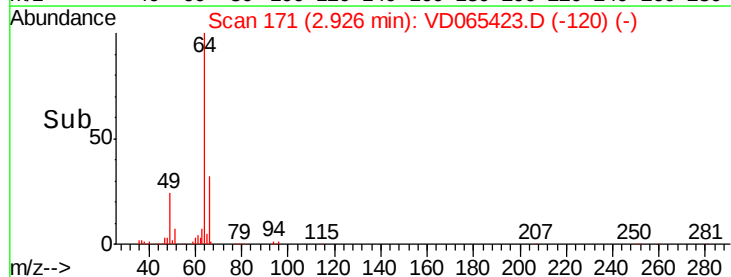
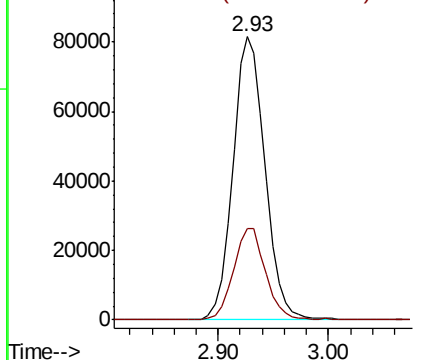
64 100

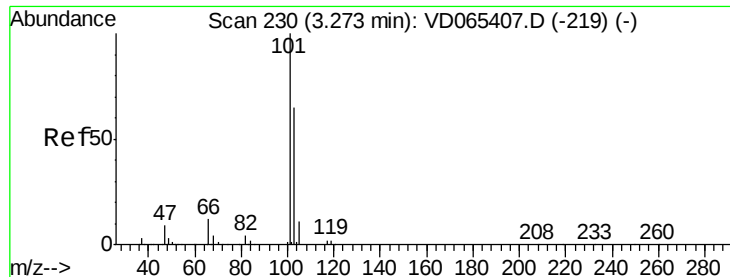
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



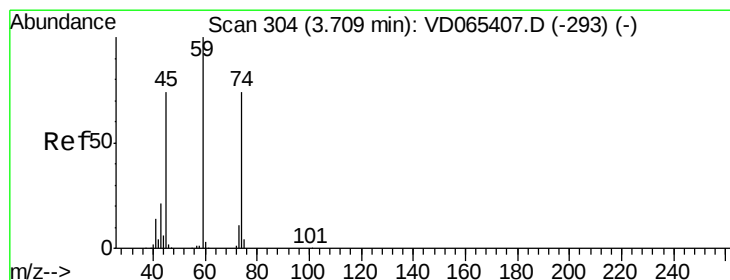
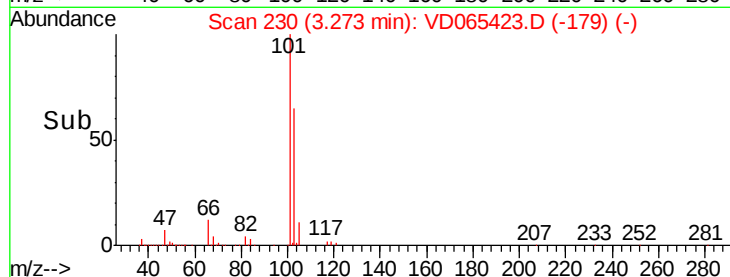
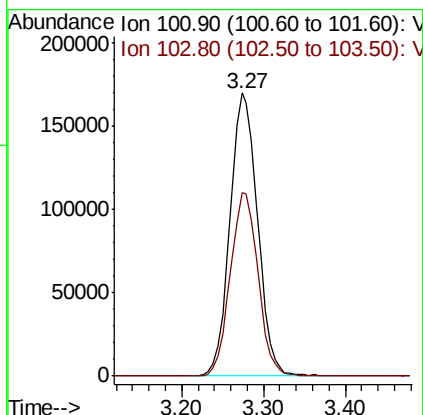
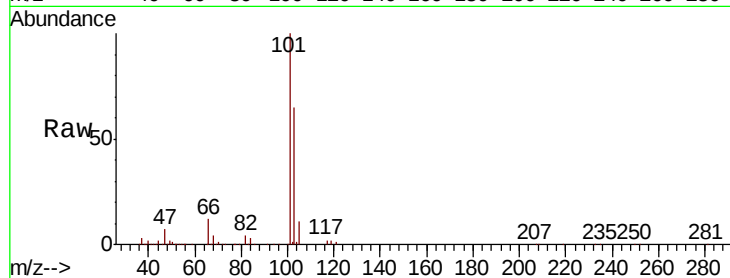


#7

Trichlorofluoromethane
 Concen: 49.774 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
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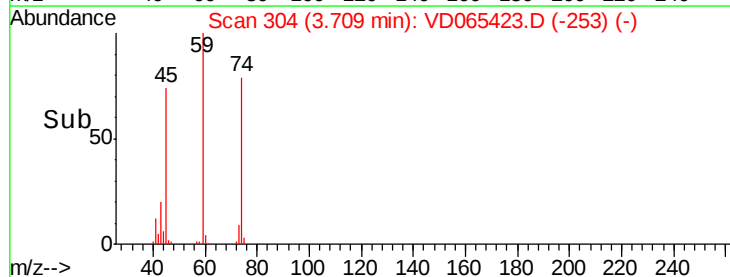
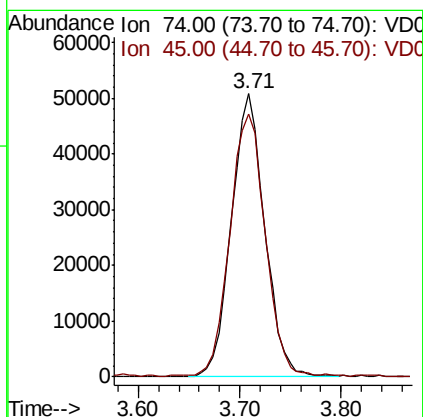
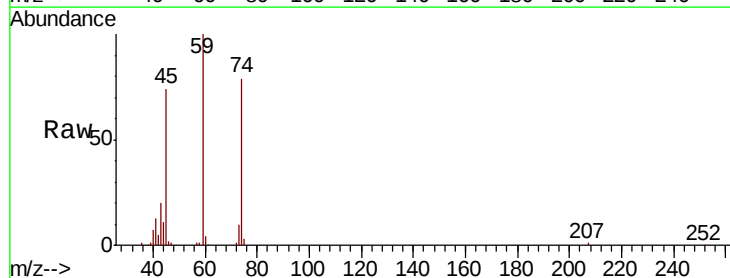
Tot Ion:101 Resp: 397987
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

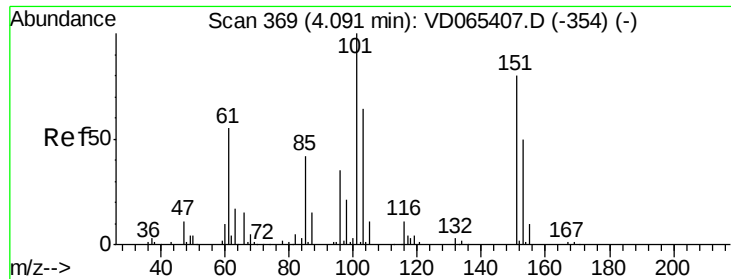


#8

Diethyl Ether
 Concen: 48.711 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 74 Resp: 115826
 Ion Ratio Lower Upper
 74 100
 45 97.3 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.324 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

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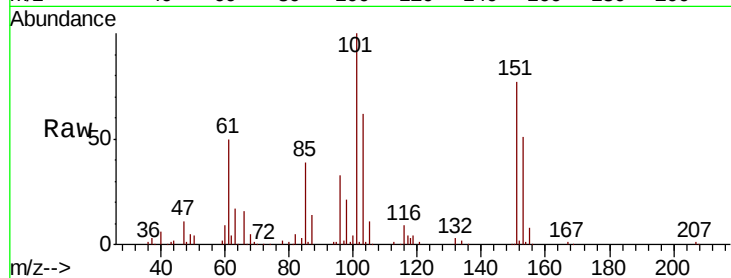
Tot Ion:101 Resp: 259152

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

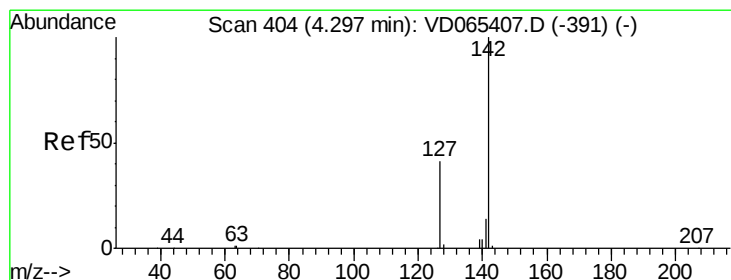
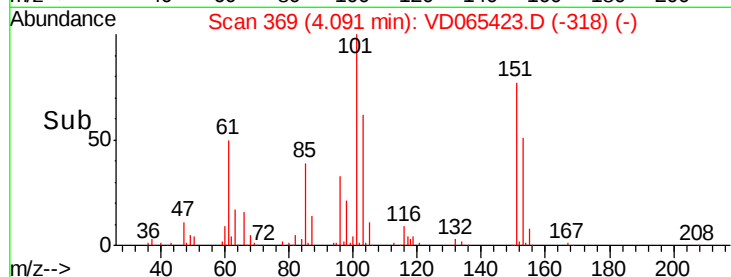
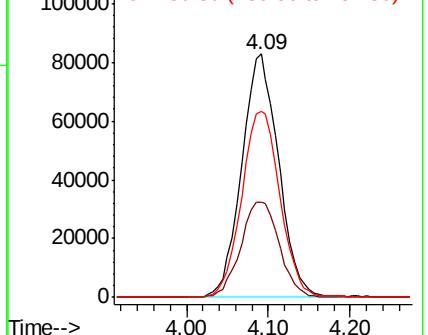
151 79.8 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.490 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

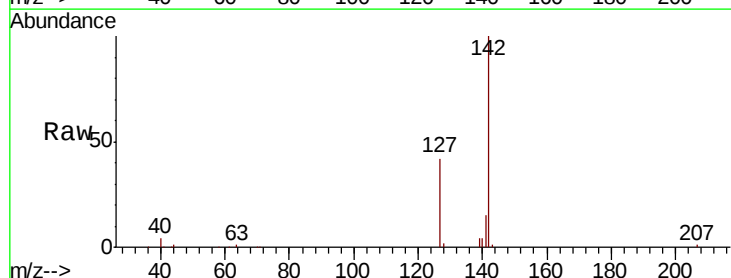
Tgt Ion:142 Resp: 302223

Ion Ratio Lower Upper

142 100

127 41.4 35.0 52.6

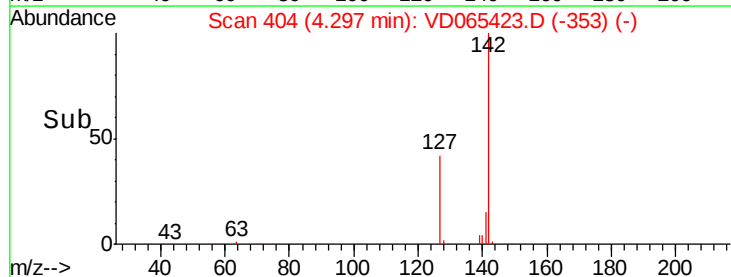
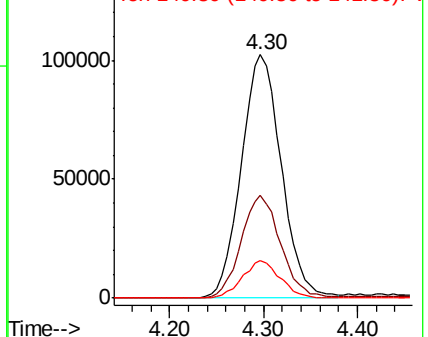
141 14.7 12.4 18.6

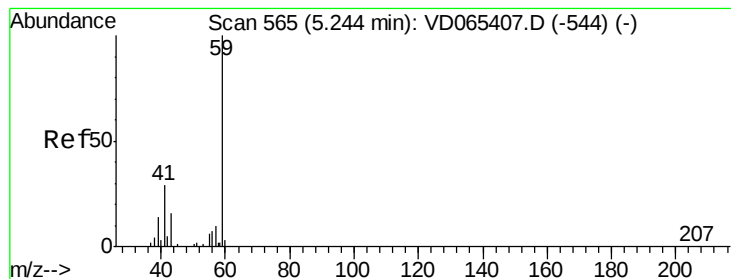


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



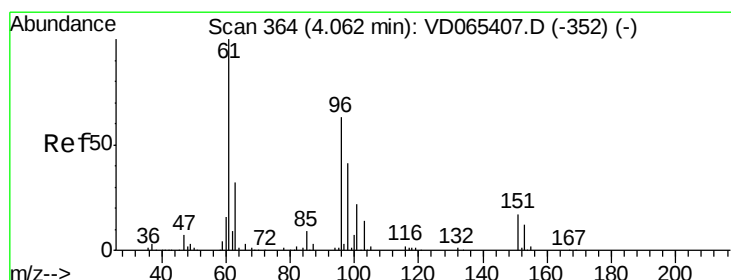
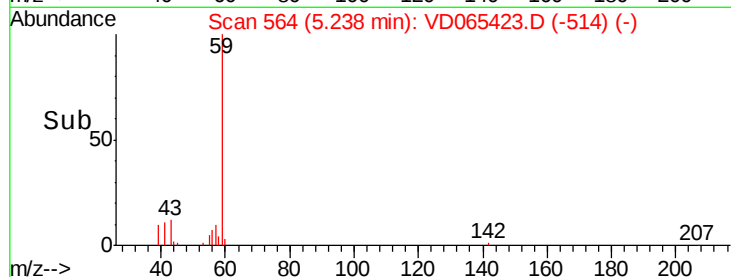
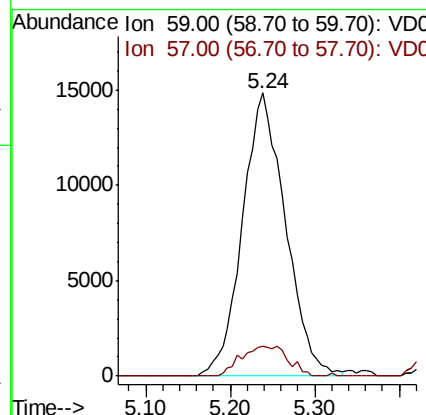
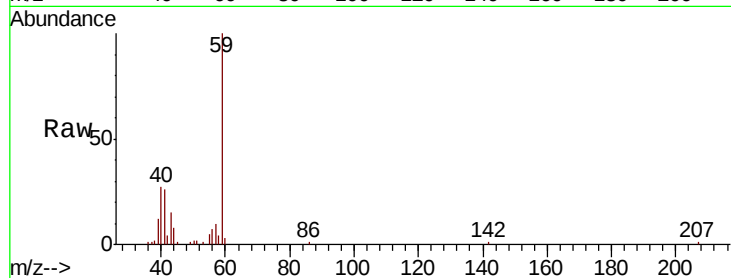


#11

Tert butyl alcohol
 Concen: 201.134 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :

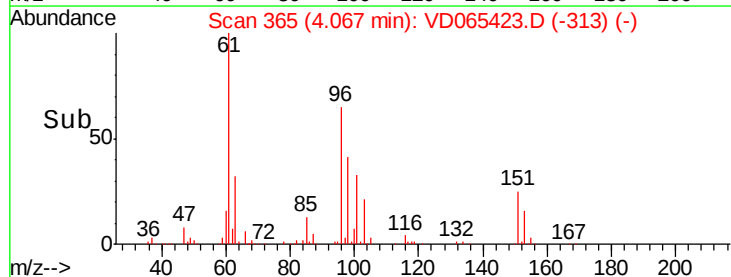
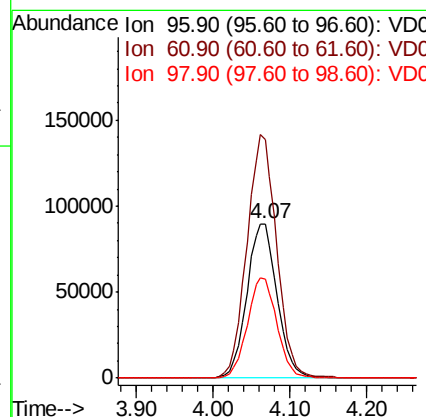
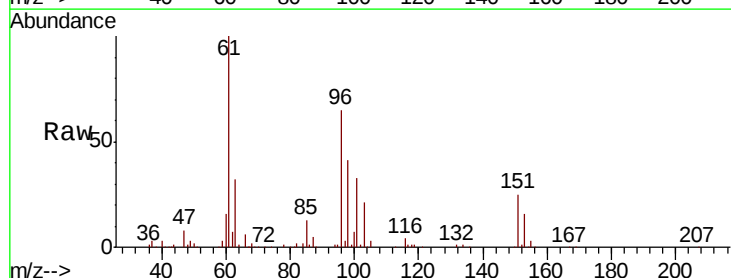
Tot Ion: 59 Resp: 52473
 Ion Ratio Lower Upper
 59 100
 57 11.4 6.9 10.3#

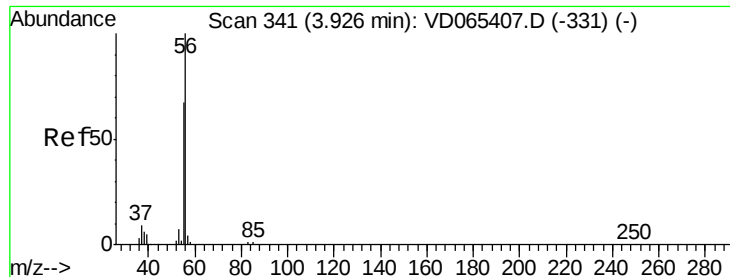


#12

1,1-Dichloroethene
 Concen: 49.991 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 96 Resp: 246513
 Ion Ratio Lower Upper
 96 100
 61 154.1 128.0 192.0
 98 63.9 51.9 77.9





#13

Acrolein

Concen: 214.840 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

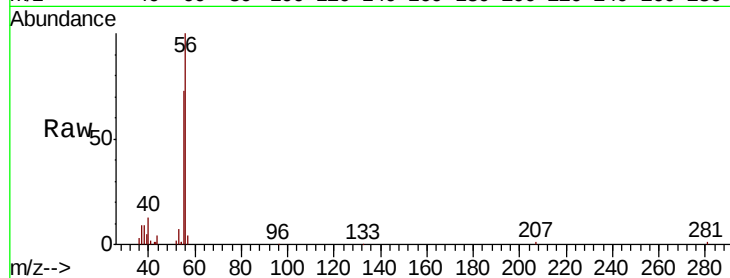
ClientSampleId :

Tot Ion: 56 Resp: 96663

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

40000

30000

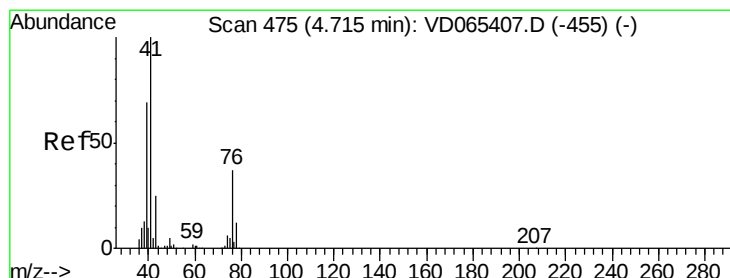
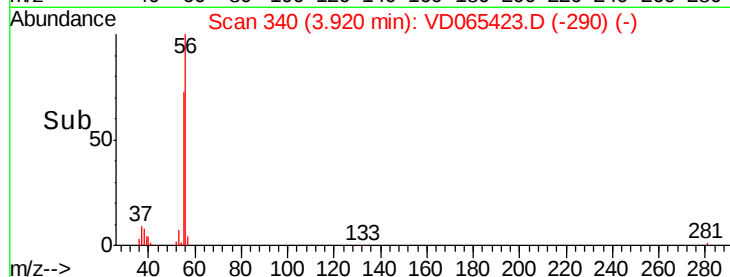
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 50.907 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

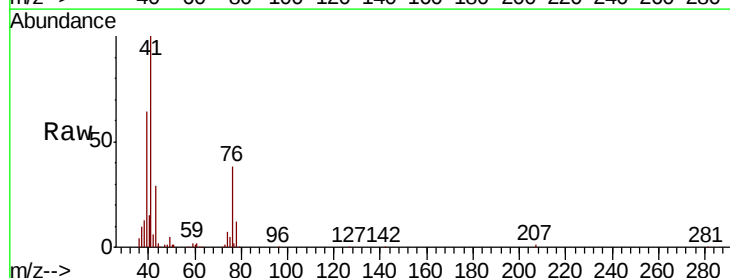
Tgt Ion: 41 Resp: 385624

Ion Ratio Lower Upper

41 100

39 64.4 52.6 79.0

76 36.9 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

150000

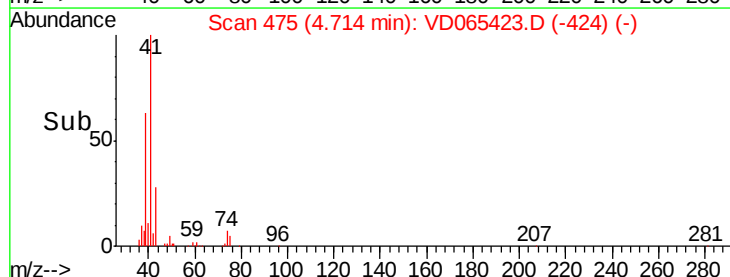
100000

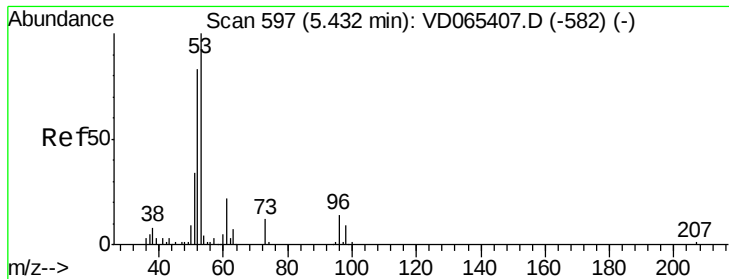
50000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 243.954 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

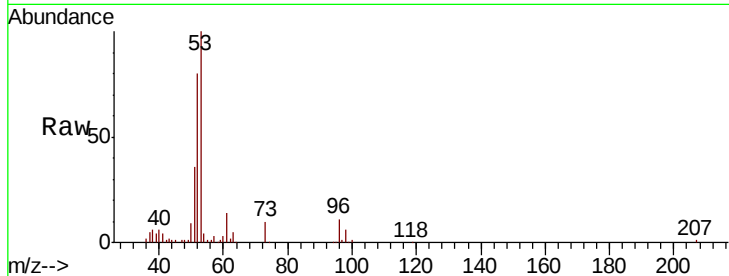
Tot Ion: 53 Resp: 252360

Ion Ratio Lower Upper

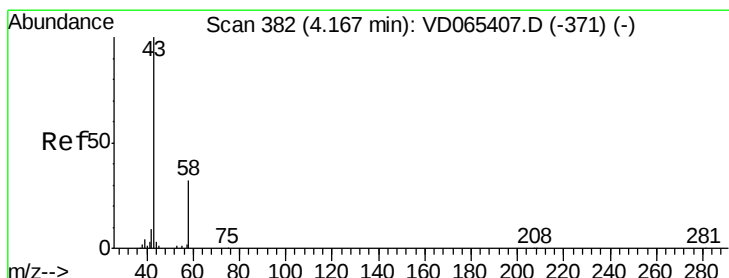
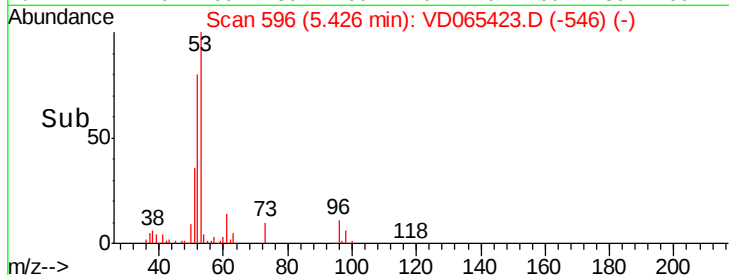
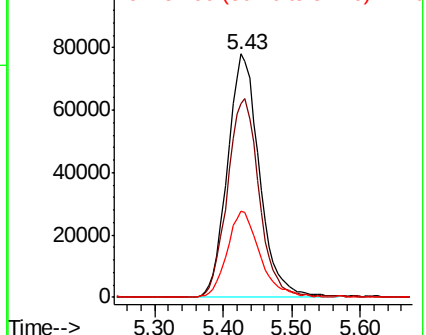
53 100

52 81.0 65.1 97.7

51 36.5 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 294.231 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065423.D

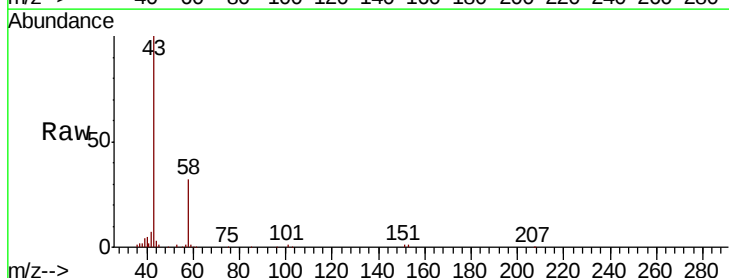
Acq: 05 Mar 2020 11:11

Tgt Ion: 43 Resp: 270646

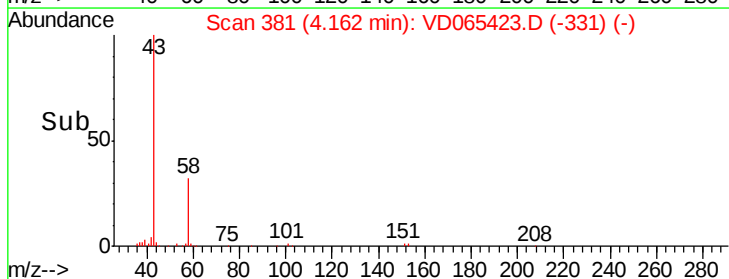
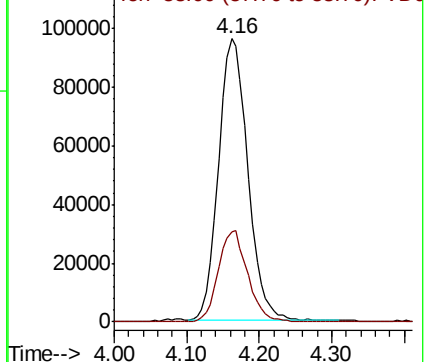
Ion Ratio Lower Upper

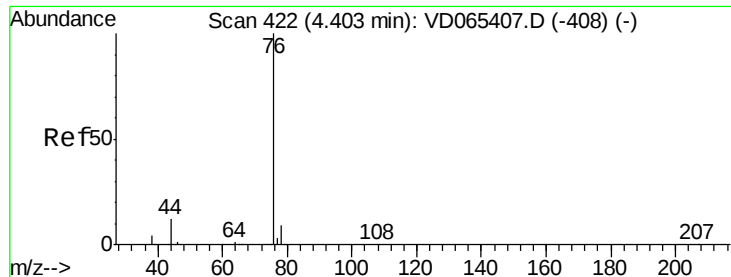
43 100

58 32.1 25.1 37.7



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

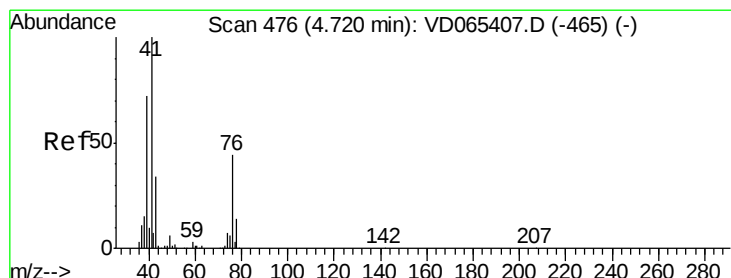
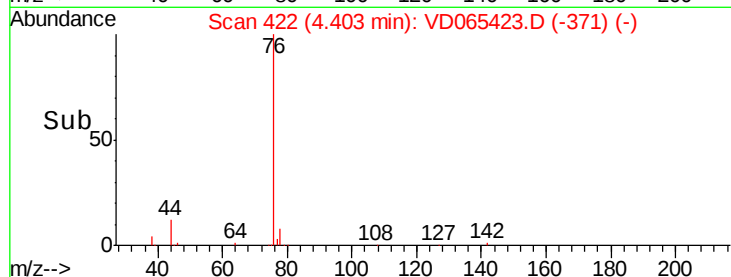
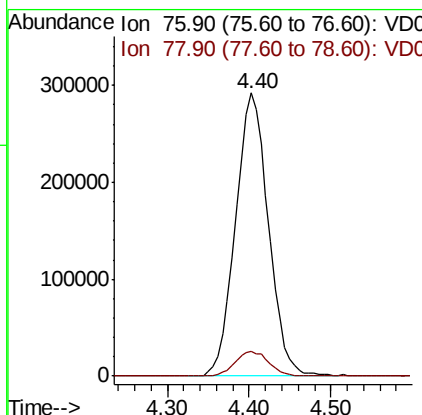
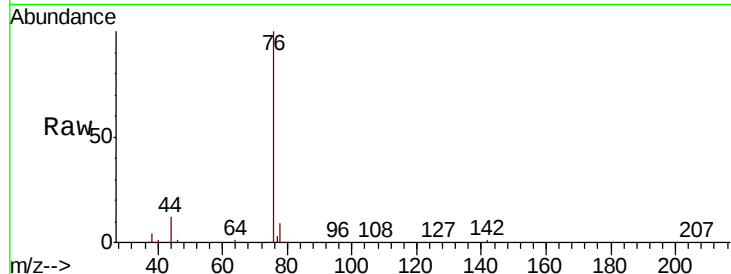




#17
Carbon Disulfide
Concen: 49.801 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

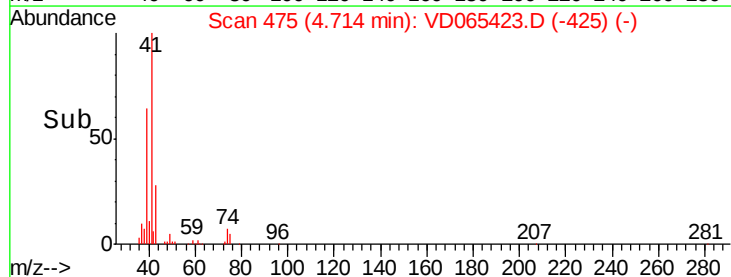
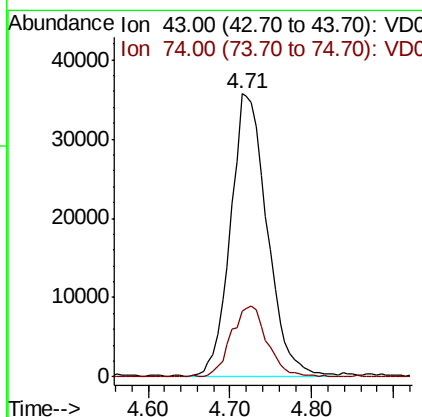
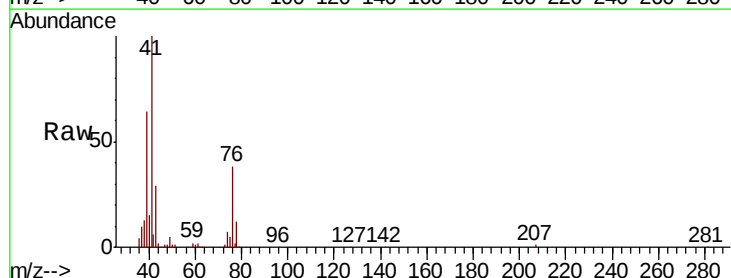
Instrument :
MSVOA_D
ClientSampleId :

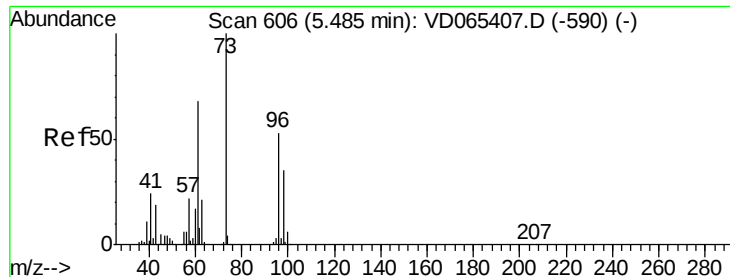
Tot Ion: 76 Resp: 817808
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 47.812 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 43 Resp: 111560
Ion Ratio Lower Upper
43 100
74 24.4 19.6 29.4

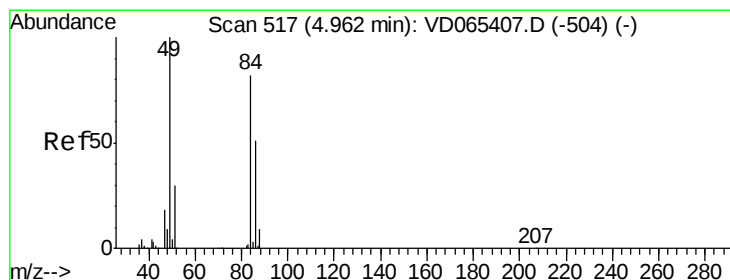
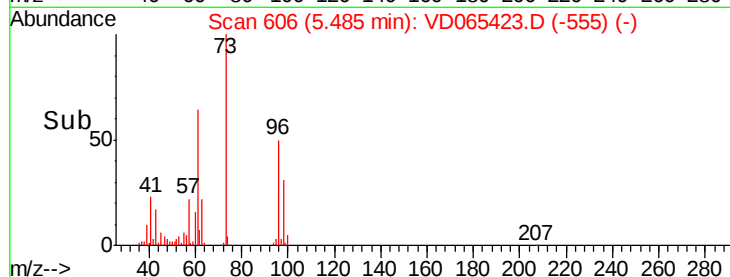
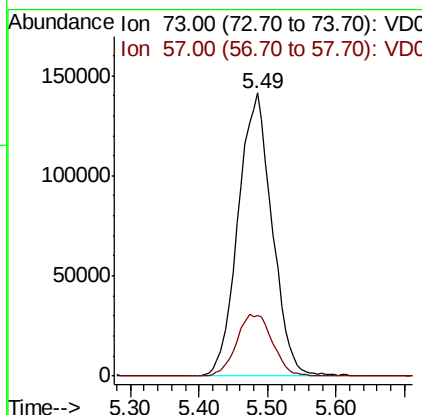
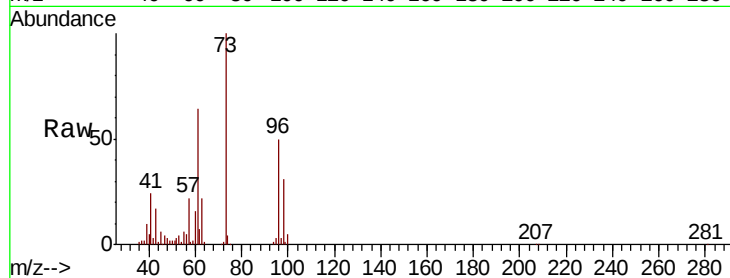




#19
Methvl tert-butvl Ether
Concen: 51.253 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

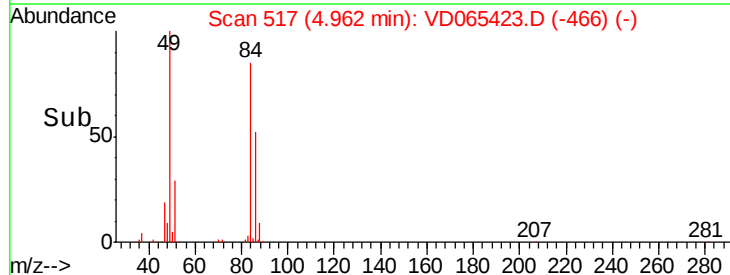
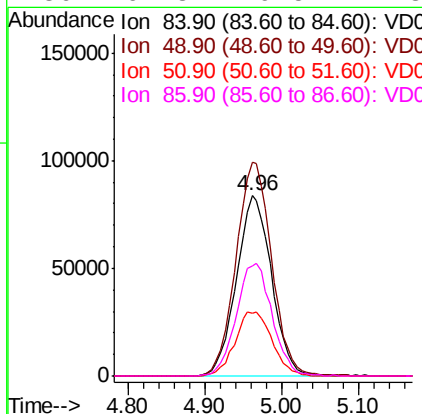
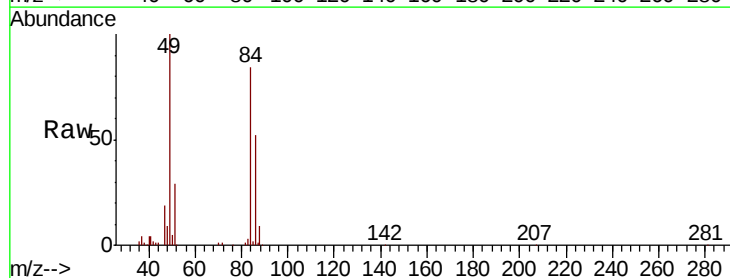
Instrument :
MSVOA_D
ClientSampleId :

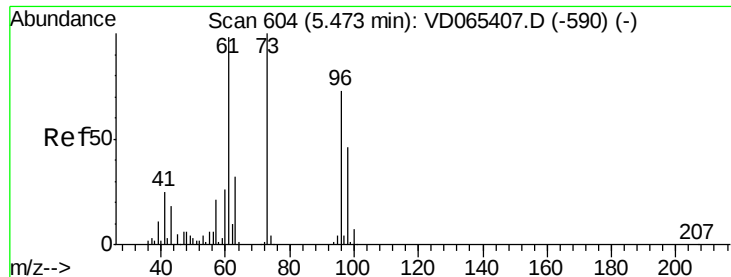
Tot Ion: 73 Resp: 486024
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9



#20
Methylene Chloride
Concen: 53.797 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 84 Resp: 267418
Ion Ratio Lower Upper
84 100
49 118.5 97.7 146.5
51 34.6 28.8 43.2
86 61.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 51.210 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampled :

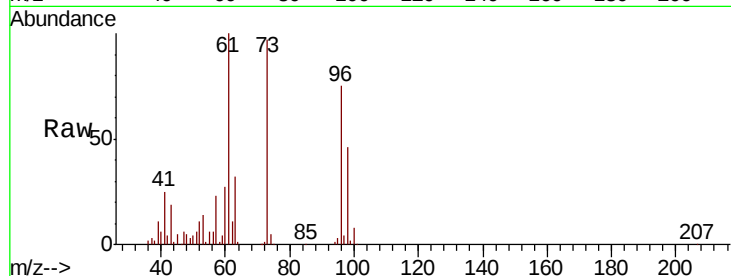
Tot Ion: 96 Resp: 280910

Ion Ratio Lower Upper

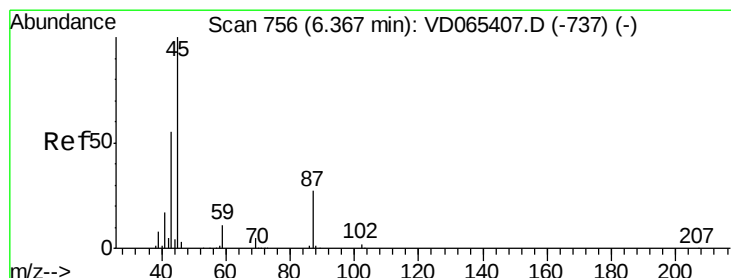
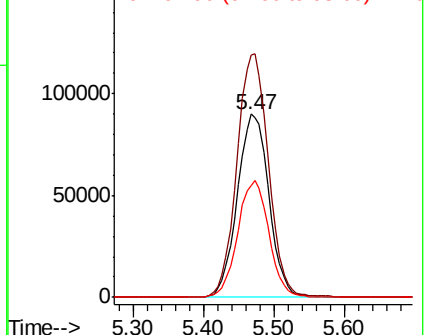
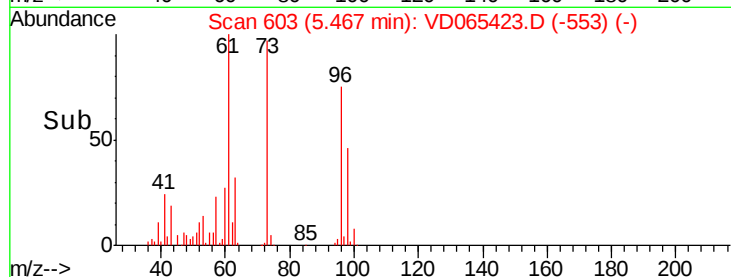
96 100

61 132.5 106.3 159.5

98 61.3 50.2 75.4



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



#22

Diisopropyl ether

Concen: 52.788 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion: 45 Resp: 743343

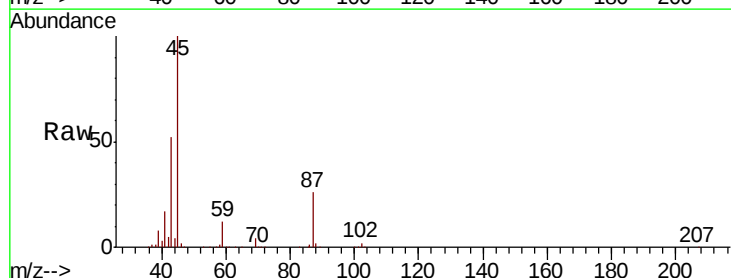
Ion Ratio Lower Upper

45 100

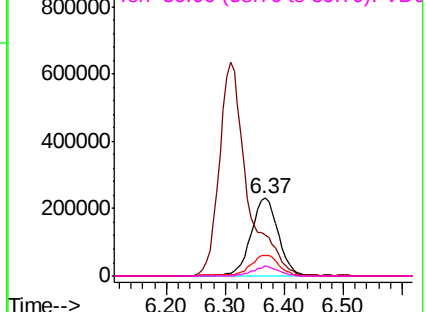
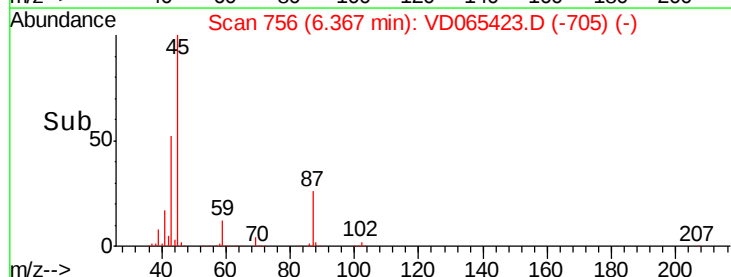
43 52.3 44.4 66.6

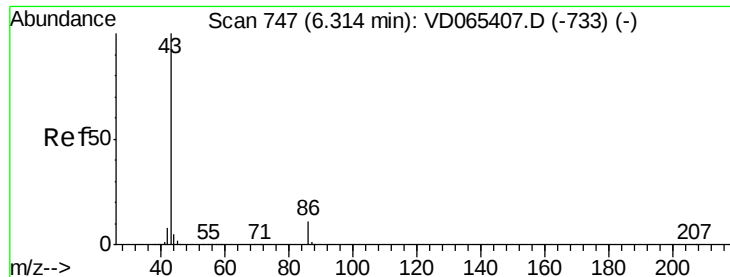
87 25.9 21.9 32.9

59 12.4 9.2 13.8



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

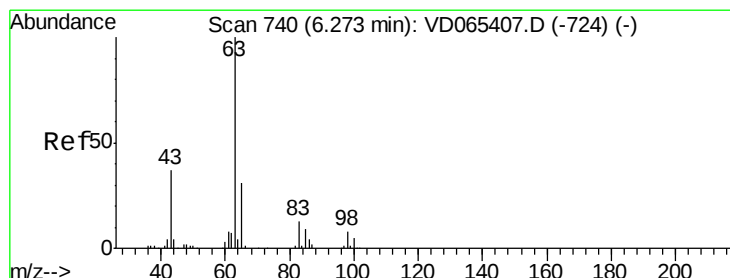
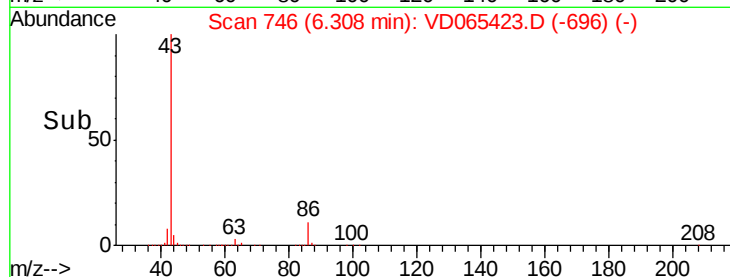
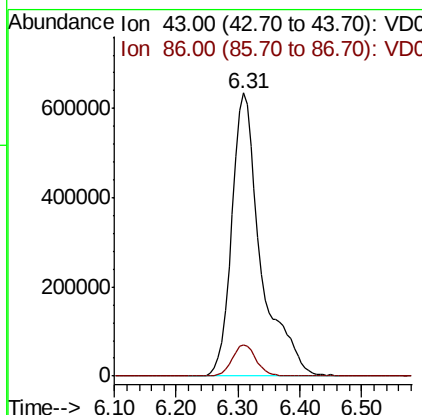
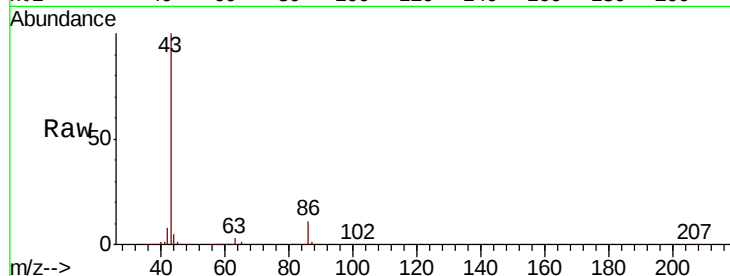




#23
 Vinyl Acetate
 Concen: 265.757 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

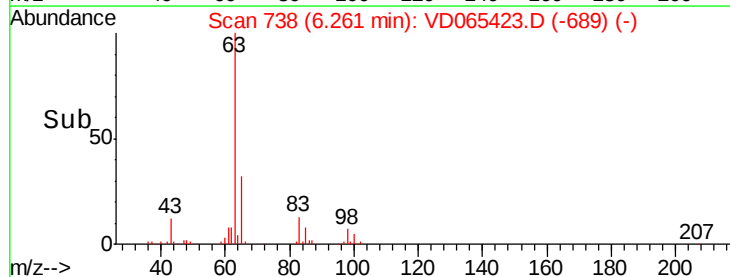
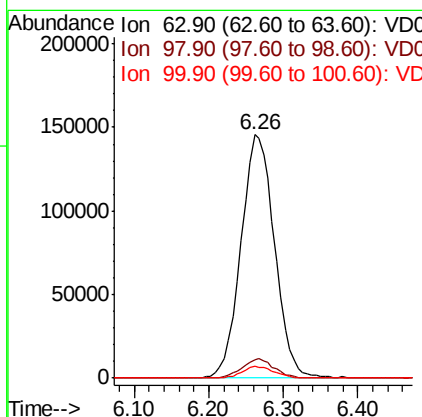
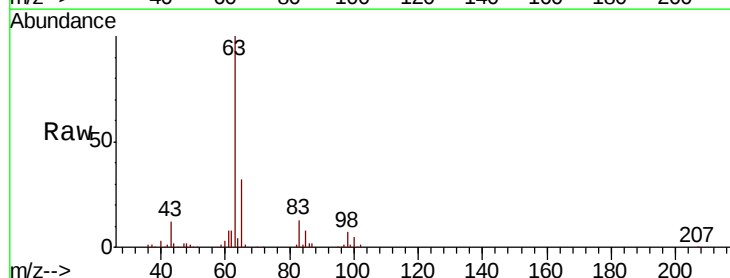
Instrument :
 MSVOA_D
 ClientSampleId :

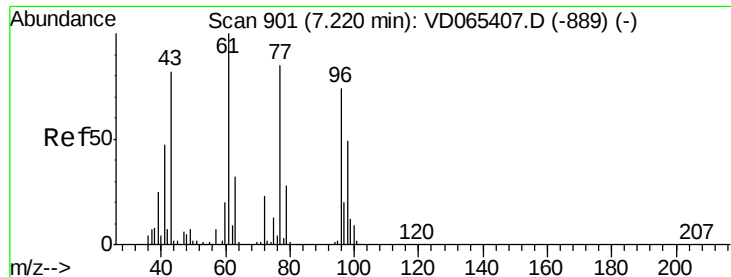
Tot Ion: 43 Resp: 2077918
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.298 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 63 Resp: 454307
 Ion Ratio Lower Upper
 63 100
 98 7.5 4.2 12.6
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 261.375 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

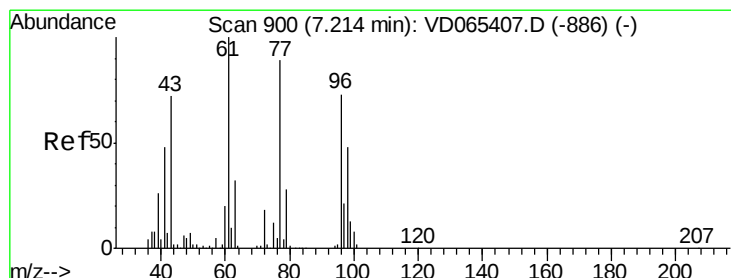
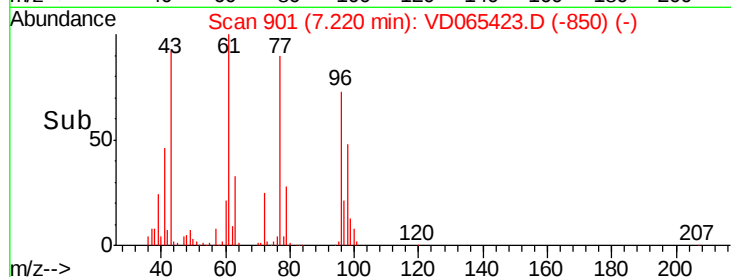
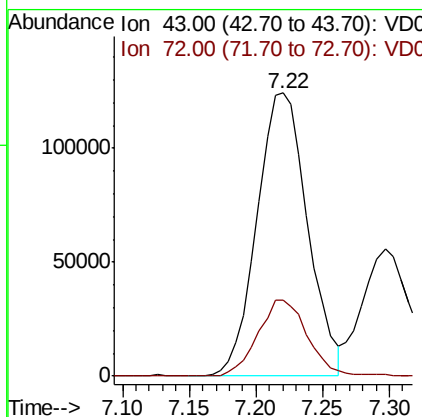
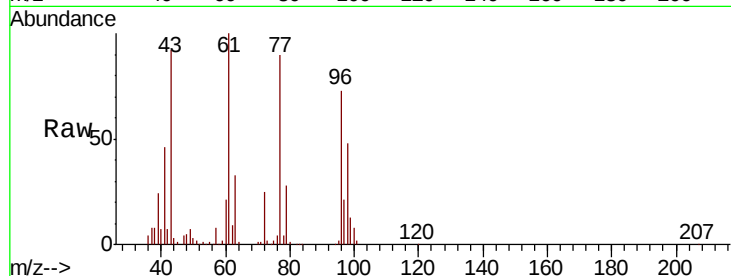
ClientSampleId :

Tot Ion: 43 Resp: 328094

Ion Ratio Lower Upper

43 100

72 26.8 22.3 33.5



#26

2,2-Dichloropropane

Concen: 51.469 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065423.D

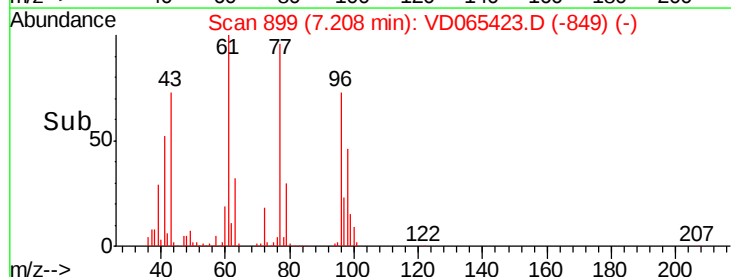
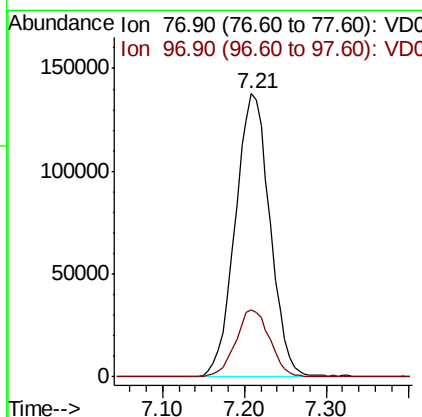
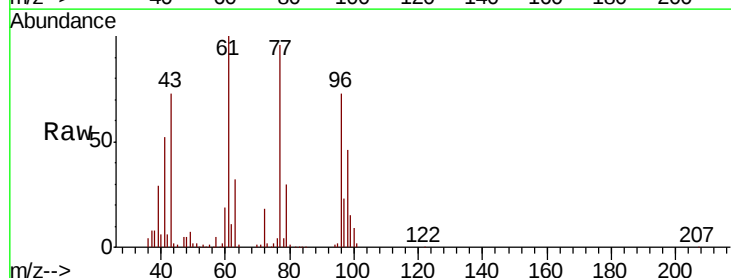
Acq: 05 Mar 2020 11:11

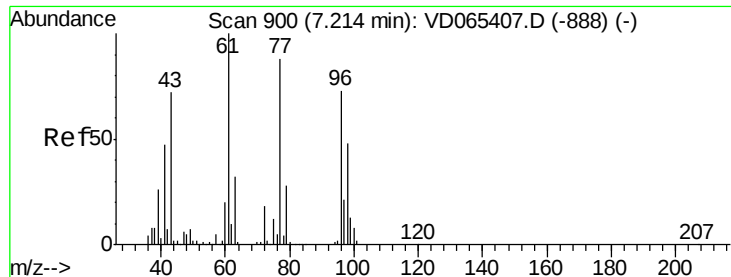
Tgt Ion: 77 Resp: 406250

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4



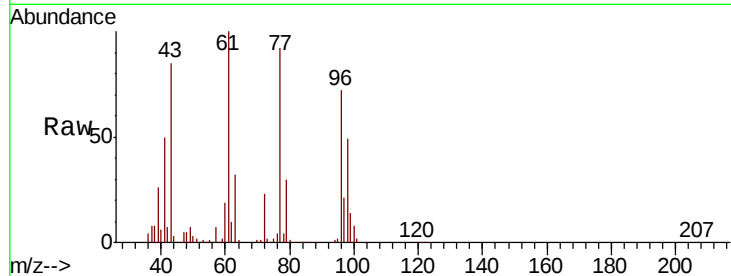


#27

cis-1,2-Dichloroethene
 Concen: 51.184 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	286989
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	280.4
98	63.5	0.0	132.6

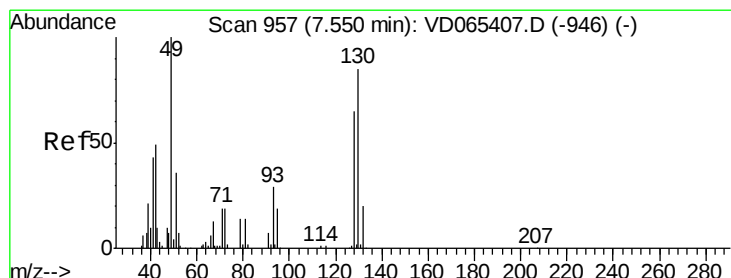
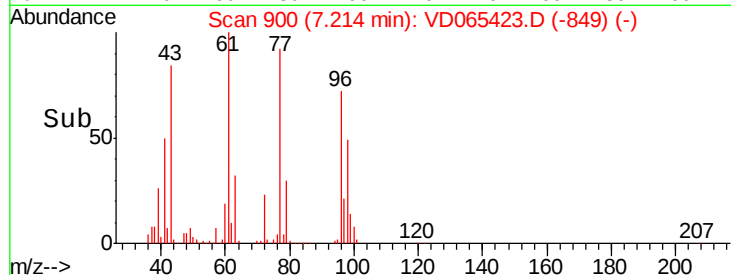
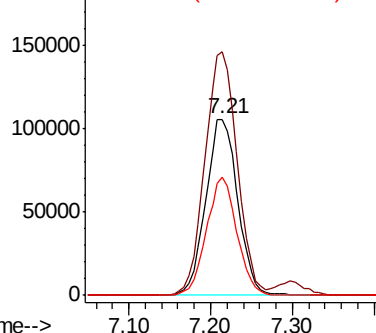


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

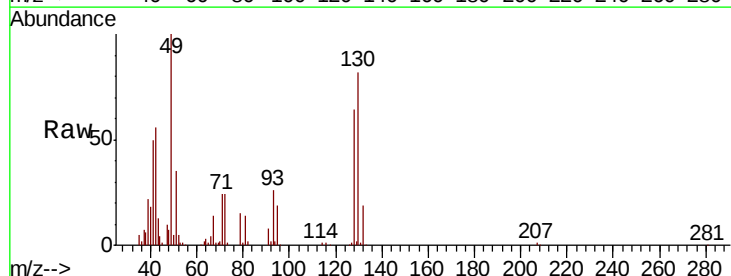
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane
 Concen: 50.711 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	49	Resp	183251
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	81.7	66.6	100.0

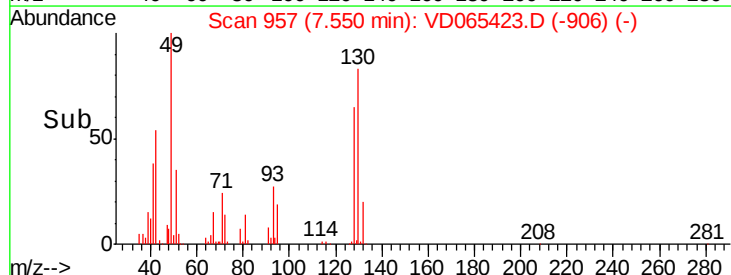
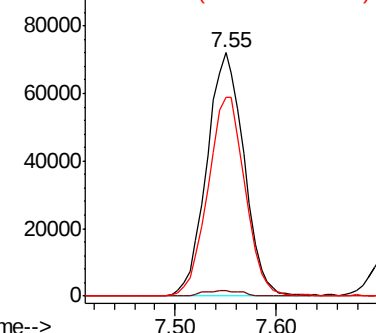


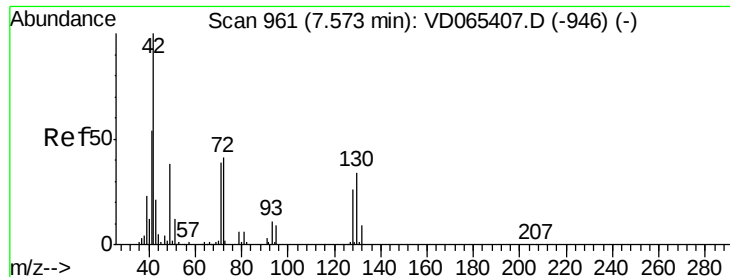
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

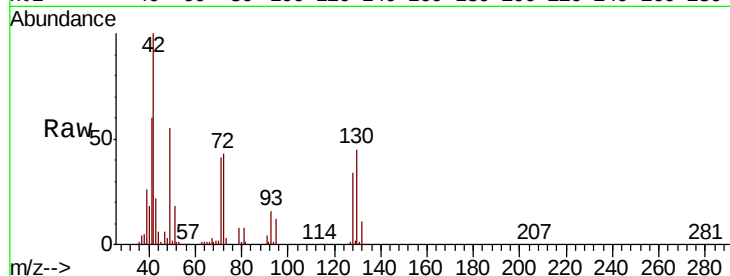




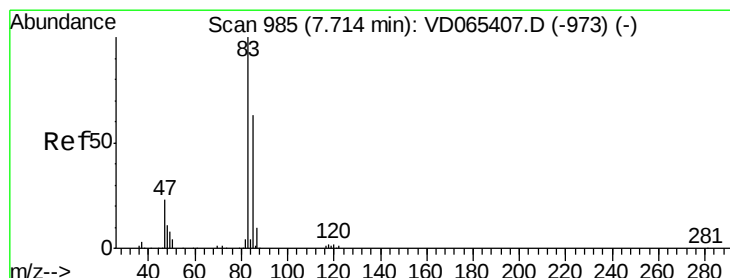
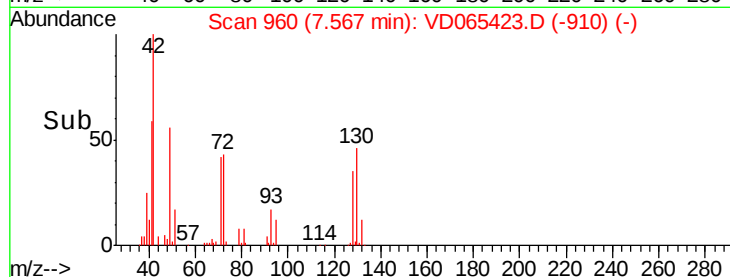
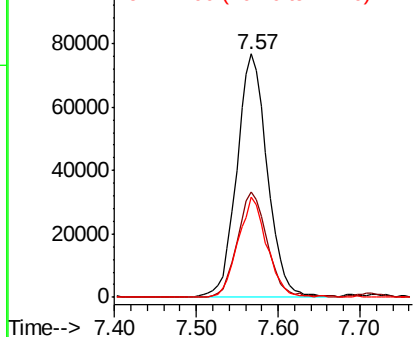
#29
Tetrahydrofuran
Concen: 249.181 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.0	49.6
71	38.9	32.0	48.0

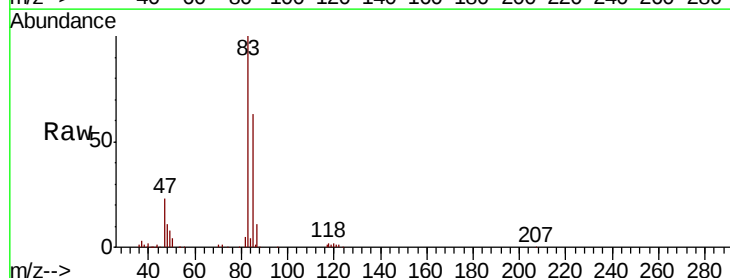


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

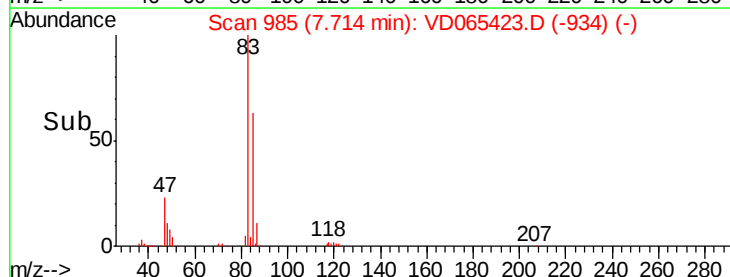
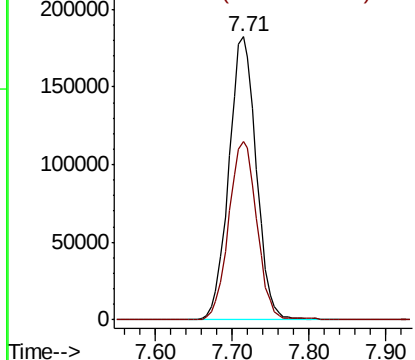


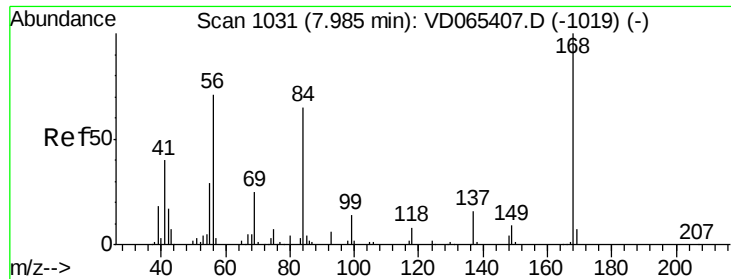
#30
Chloroform
Concen: 50.282 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.3	75.5



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

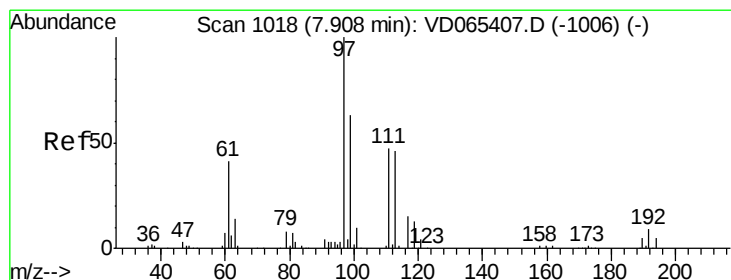
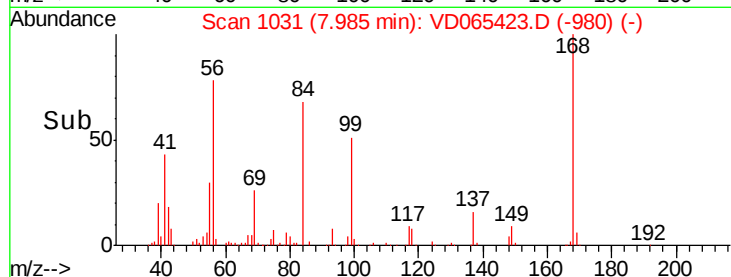
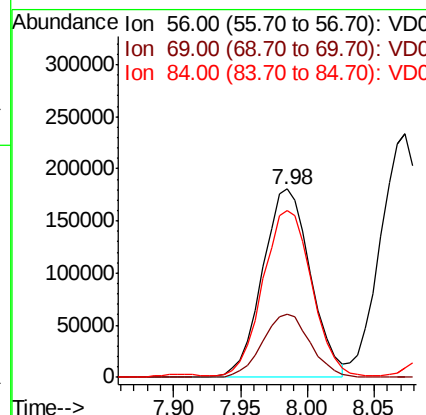
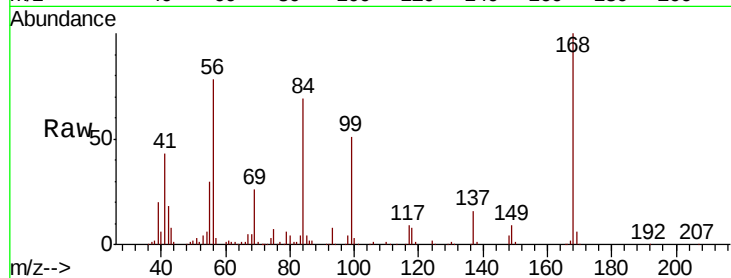




#31
Cyclohexane
Concen: 49.978 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

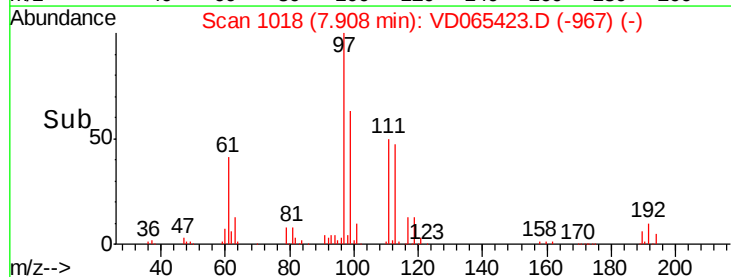
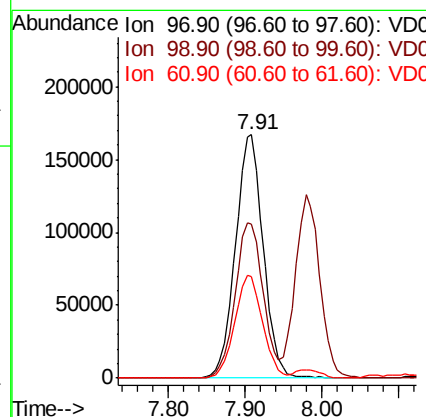
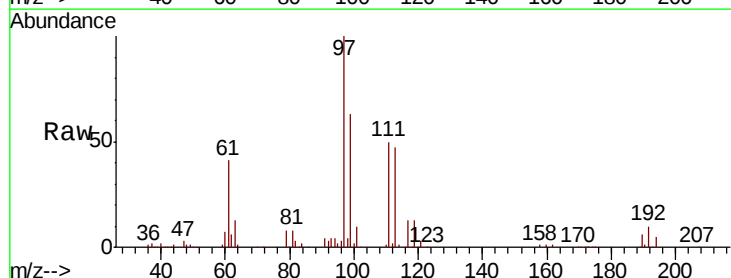
Instrument :
MSVOA_D
ClientSampleId :

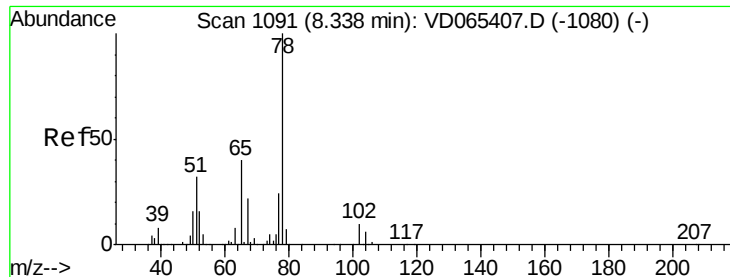
Tot Ion: 56 Resp: 451383
Ion Ratio Lower Upper
56 100
69 33.8 28.3 42.5
84 87.5 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 50.523 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 97 Resp: 421507
Ion Ratio Lower Upper
97 100
99 64.4 50.9 76.3
61 42.1 33.2 49.8

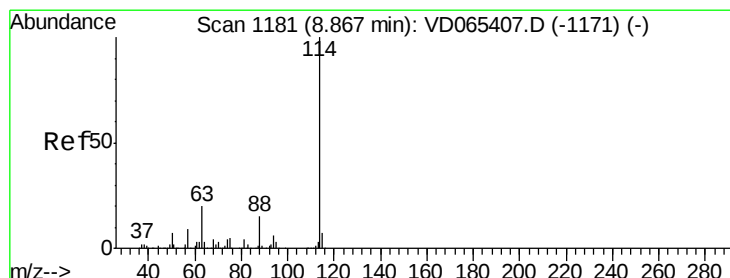
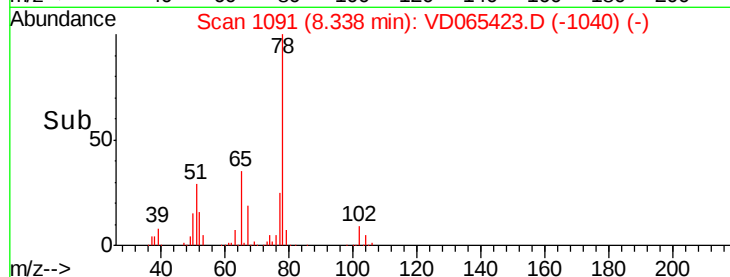
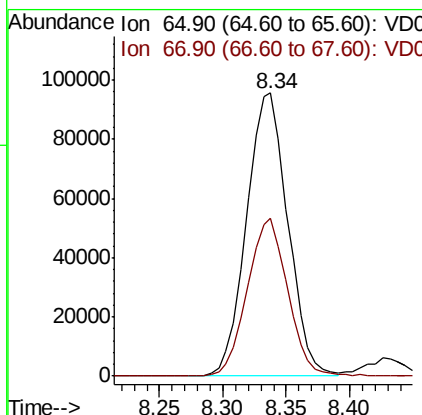
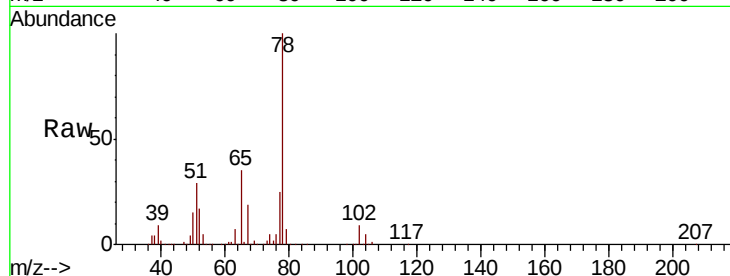




#33
 1,2-Dichloroethane-d4
 Concen: 47.628 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

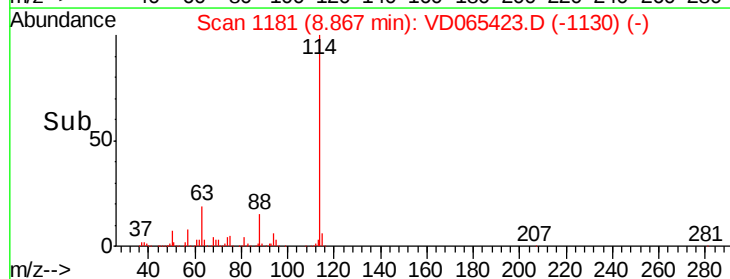
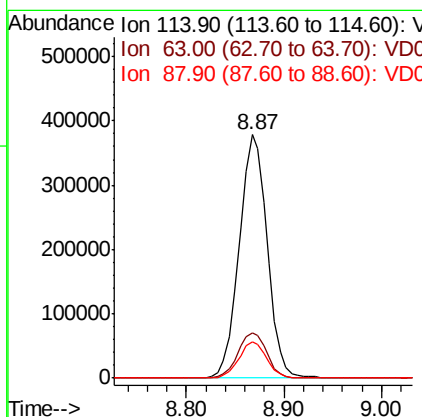
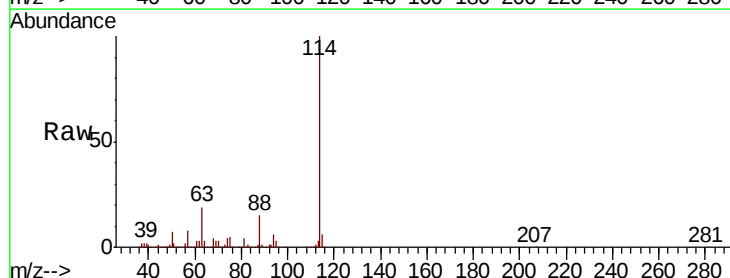
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 216623
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 114 Resp: 757263
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 15.0 0.0 30.4

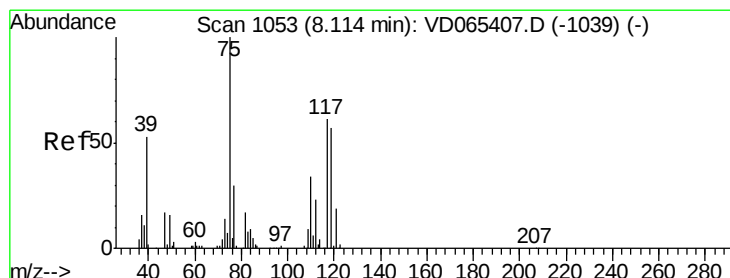
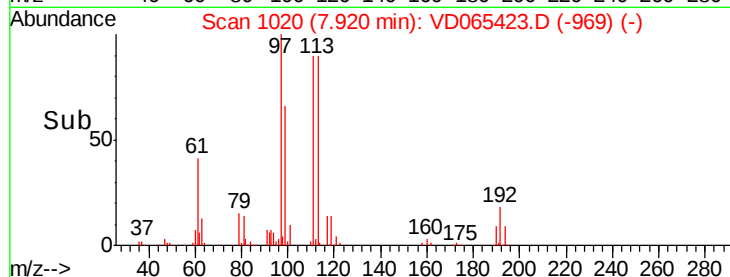
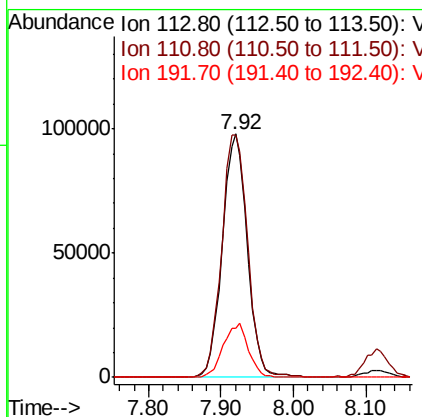
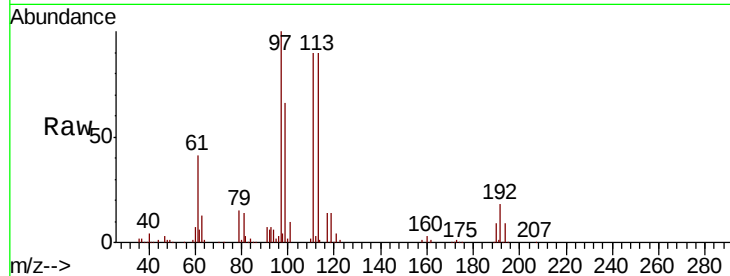




#35
 Dibromofluoromethane
 Concen: 50.013 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

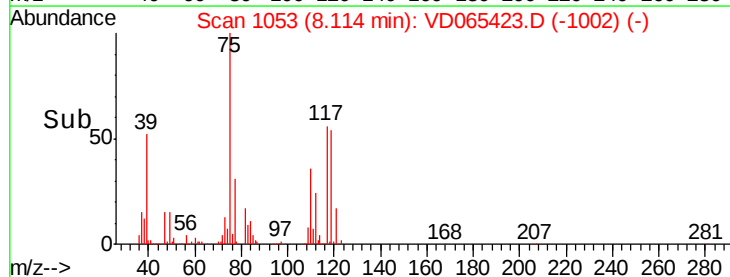
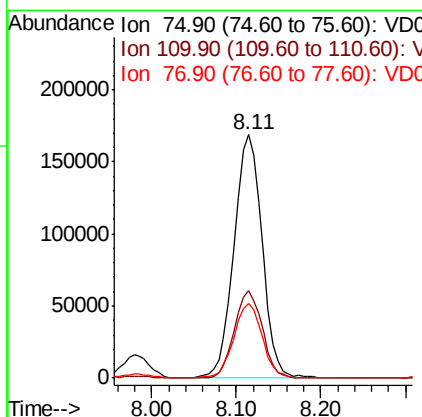
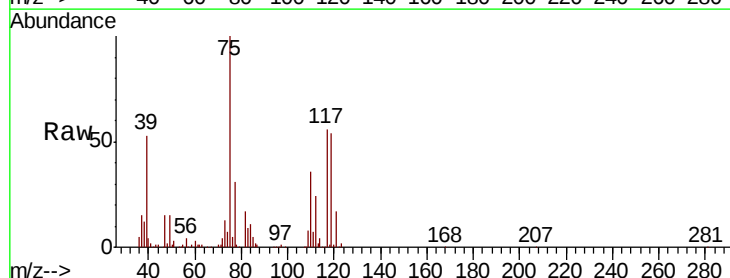
Instrument :
 MSVOA_D
 ClientSampleId :

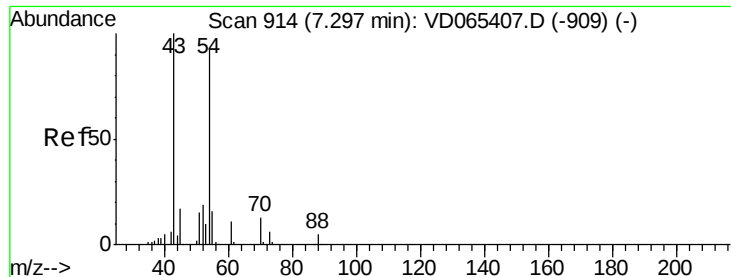
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	22.3	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 53.133 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.0	25.2	37.8

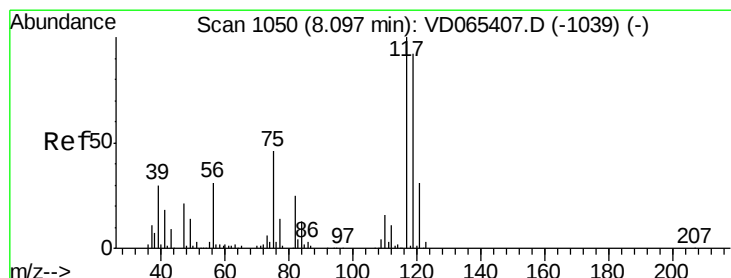
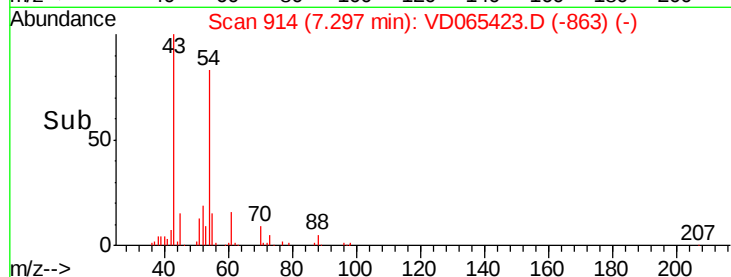
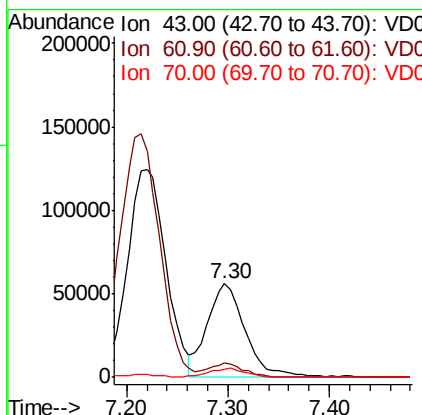
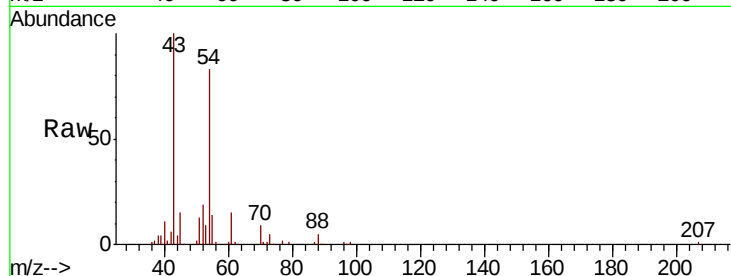




#37
Ethyl Acetate
Concen: 51.463 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

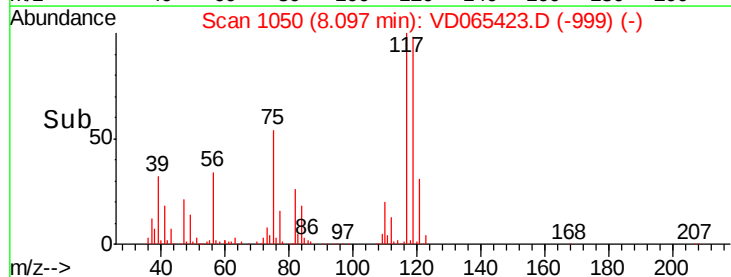
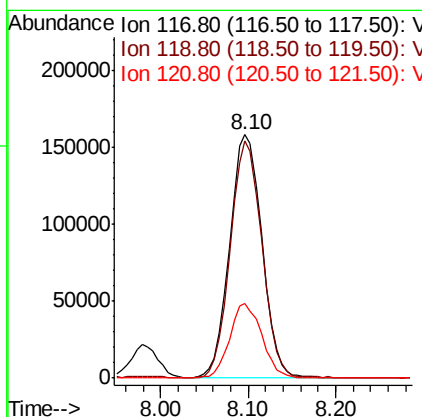
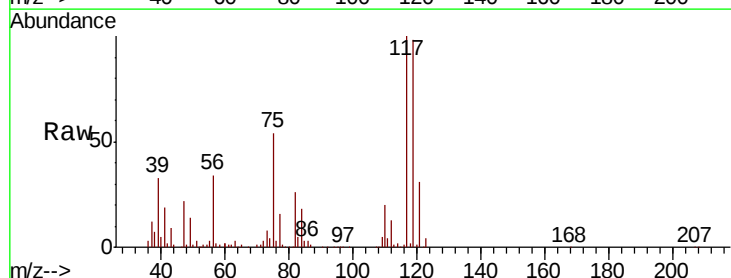
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 144387
Ion Ratio Lower Upper
43 100
61 12.7 11.4 17.0
70 9.5 9.0 13.4



#38
Carbon Tetrachloride
Concen: 52.422 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 117 Resp: 394595
Ion Ratio Lower Upper
117 100
119 97.8 73.3 109.9
121 30.9 25.0 37.4

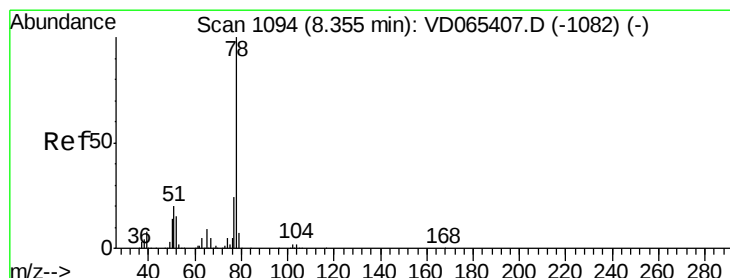
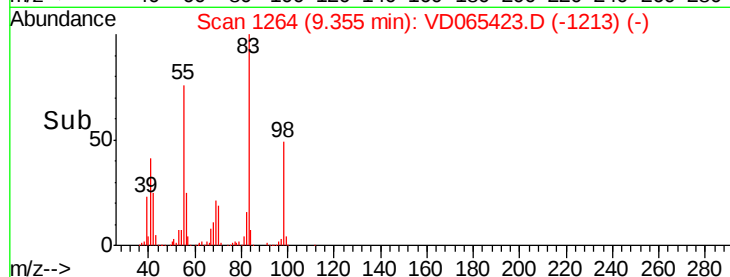
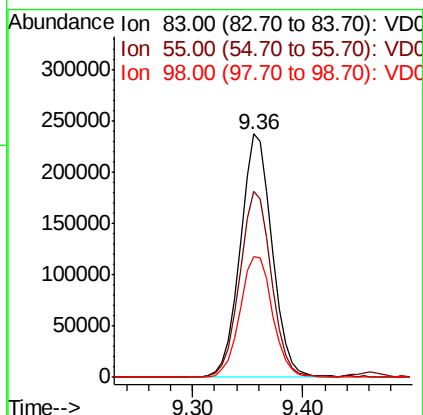
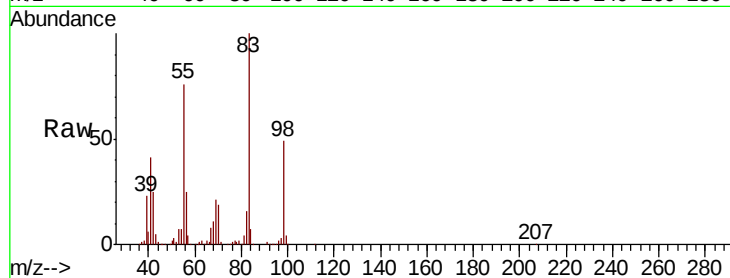




#39
Methvlcvclohexane
Concen: 54.806 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

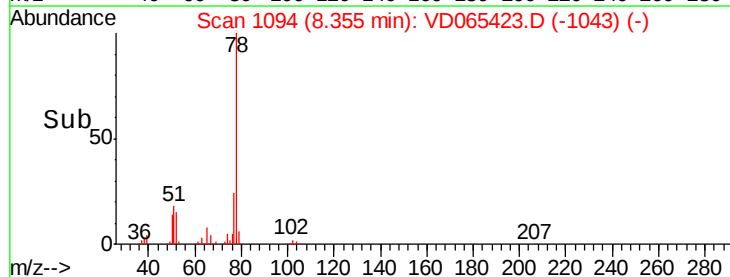
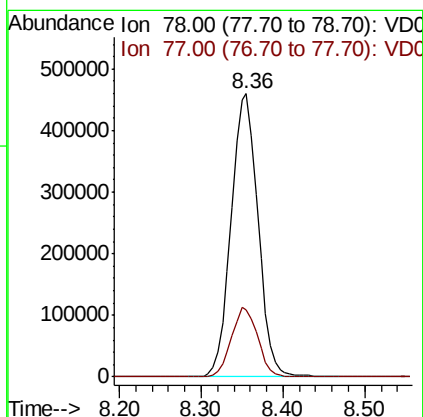
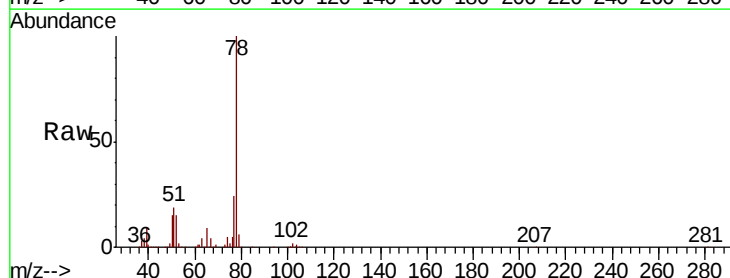
Instrument :
MSVOA_D
ClientSampleId :

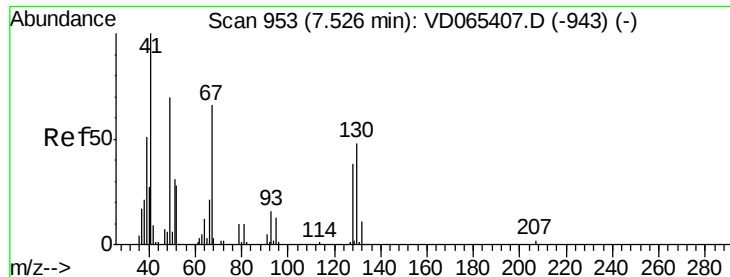
Tot Ion: 83 Resp: 480495
Ion Ratio Lower Upper
83 100
55 76.2 57.1 85.7
98 49.4 37.8 56.8



#40
Benzene
Concen: 51.846 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 78 Resp: 1052229
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

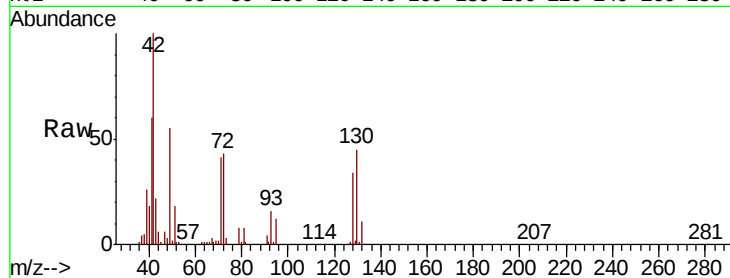




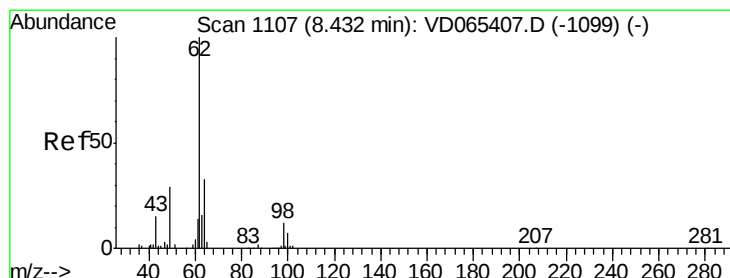
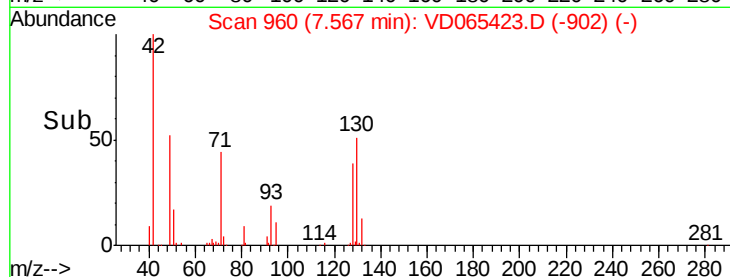
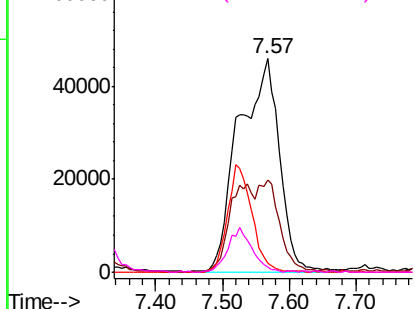
#41
Methacrylonitrile
Concen: 131.256 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.0	82.6#
67	0.0	70.3	105.5#
52	0.0	30.7	46.1#

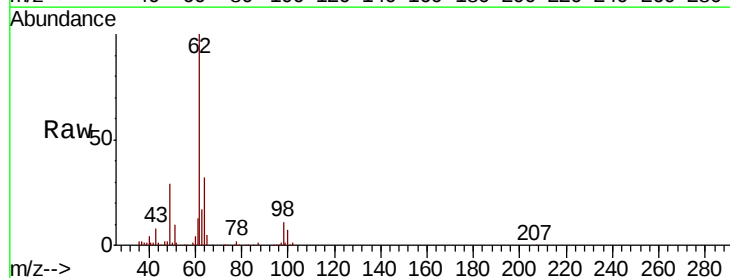


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

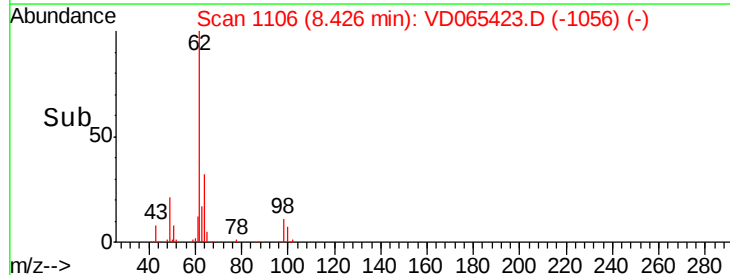
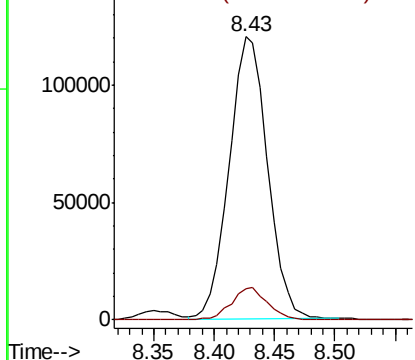


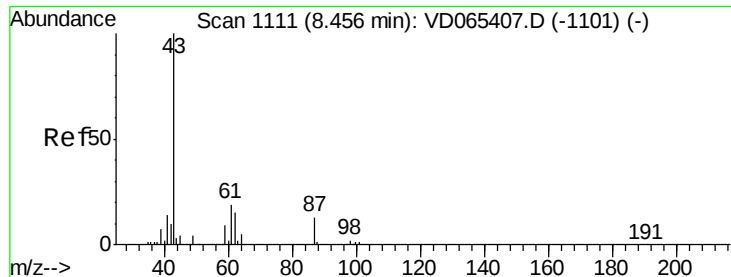
#42
1,2-Dichloroethane
Concen: 50.353 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4



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

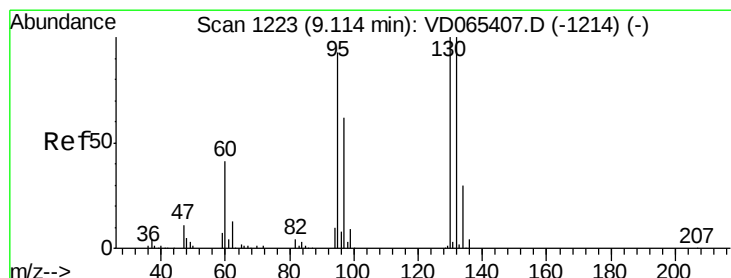
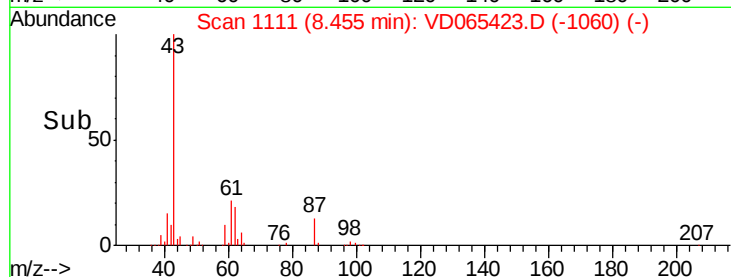
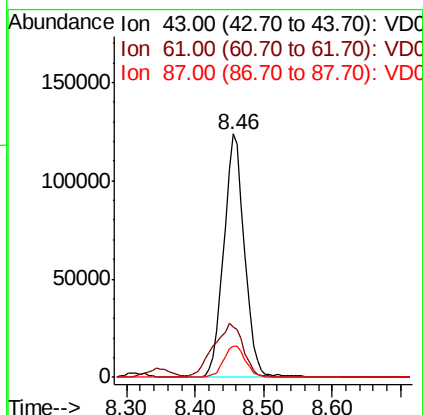
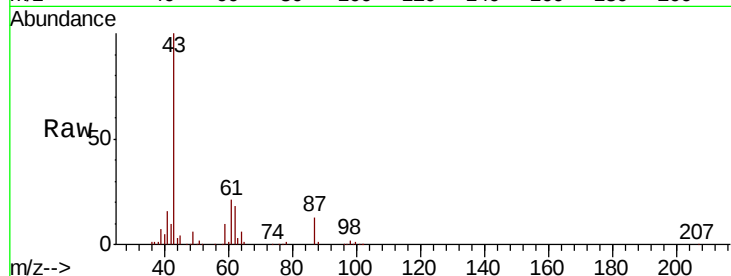




#43
Isopropyl Acetate
Concen: 50.371 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

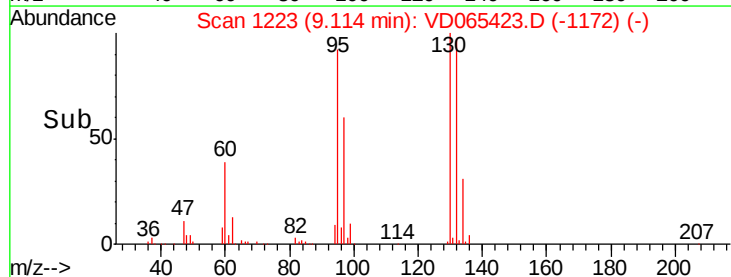
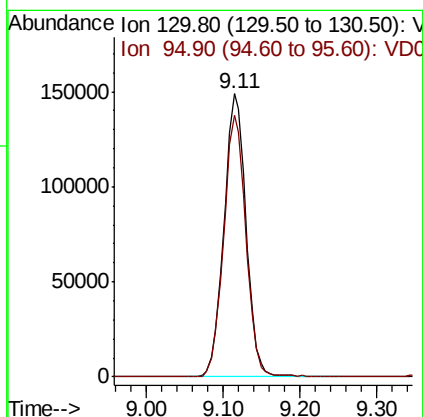
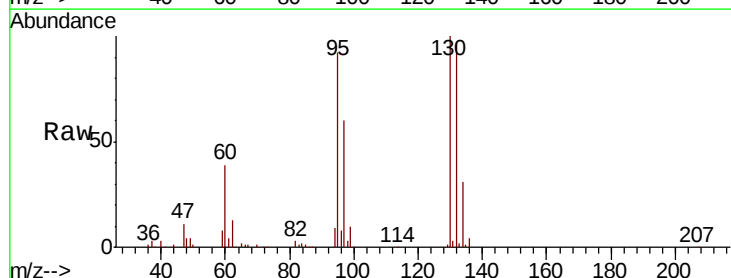
Instrument :
MSVOA_D
ClientSampleId :

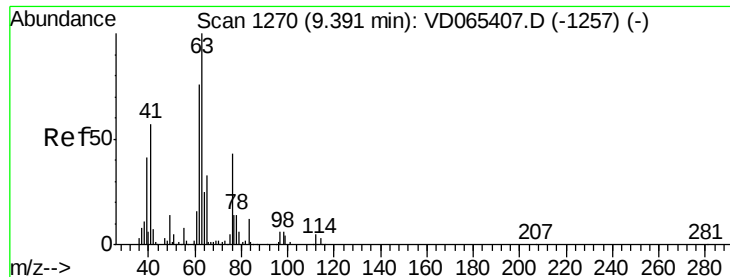
Tot Ion: 43 Resp: 260947
Ion Ratio Lower Upper
43 100
61 31.5 25.0 37.6
87 13.4 11.0 16.4



#44
Trichloroethene
Concen: 52.040 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:130 Resp: 298267
Ion Ratio Lower Upper
130 100
95 92.5 0.0 186.0





#45

1,2-Dichloropropane

Concen: 52.283 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

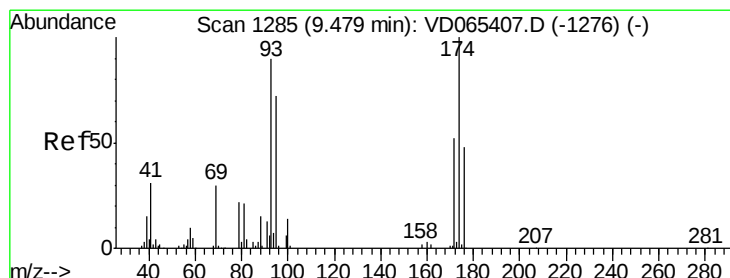
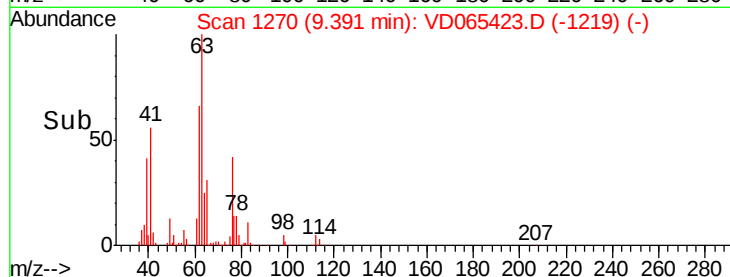
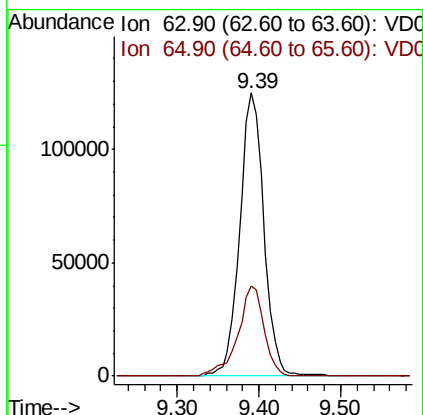
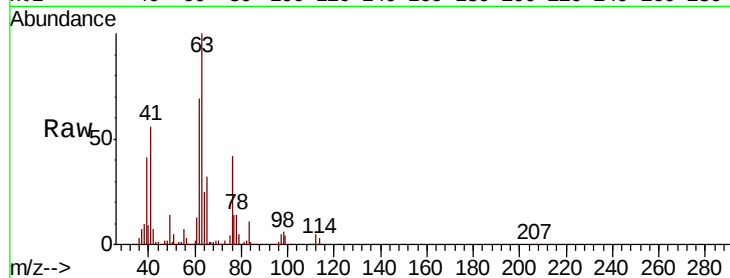
ClientSampled :

Tot Ion: 63 Resp: 257033

Ion Ratio Lower Upper

63 100

65 31.8 26.4 39.6



#46

Dibromomethane

Concen: 50.510 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

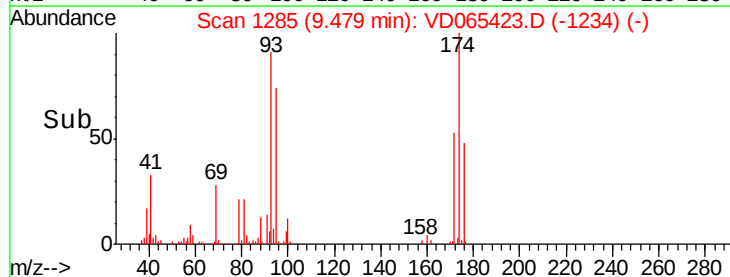
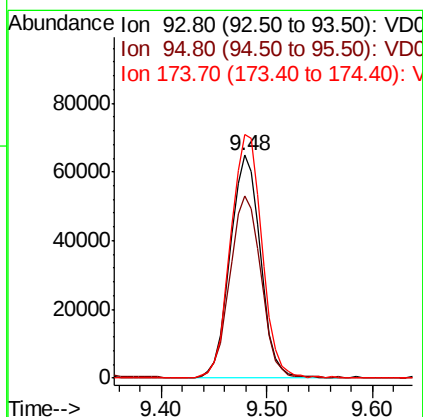
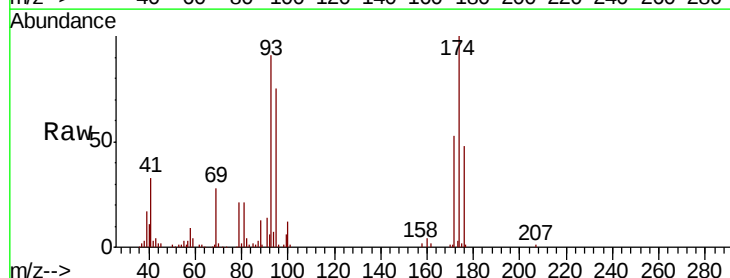
Tgt Ion: 93 Resp: 128803

Ion Ratio Lower Upper

93 100

95 84.4 65.0 97.6

174 112.4 88.3 132.5

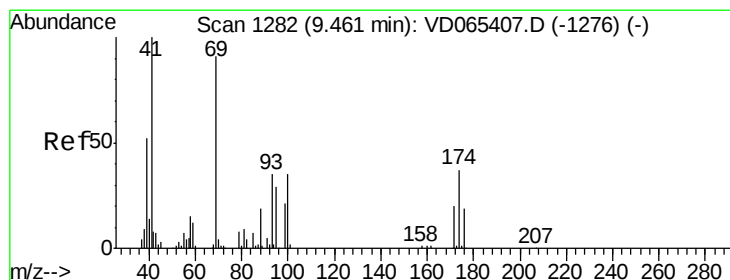
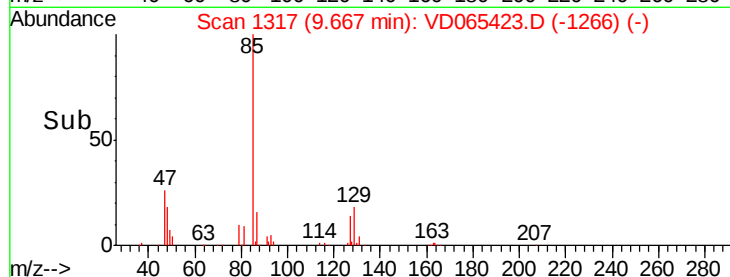
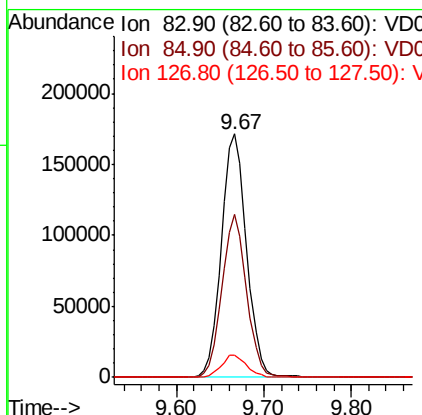
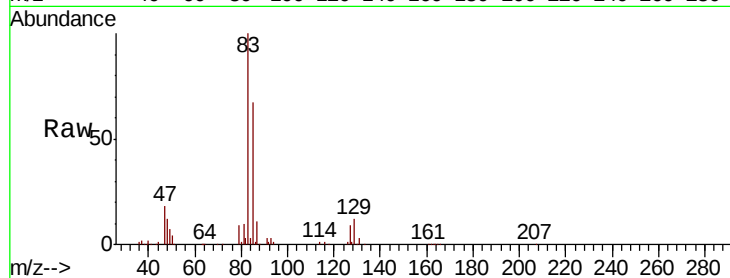




#47
Bromodichloromethane
Concen: 51.279 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

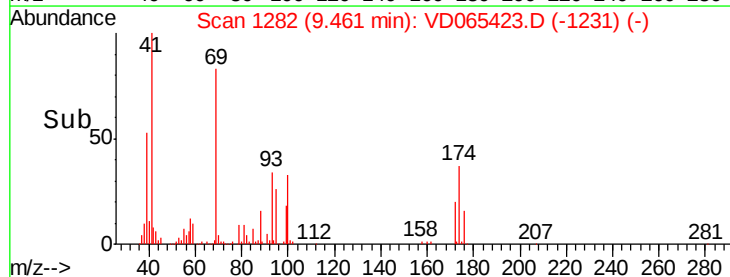
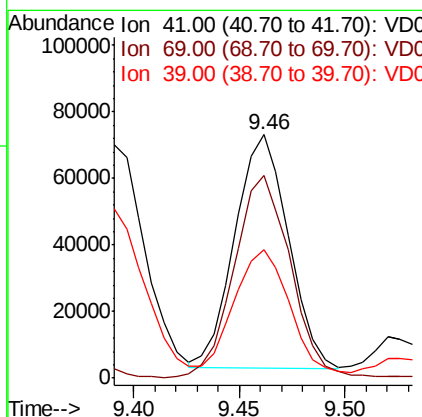
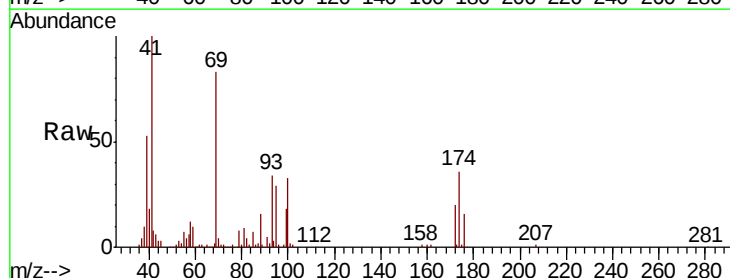
Instrument :
MSVOA_D
ClientSampled :

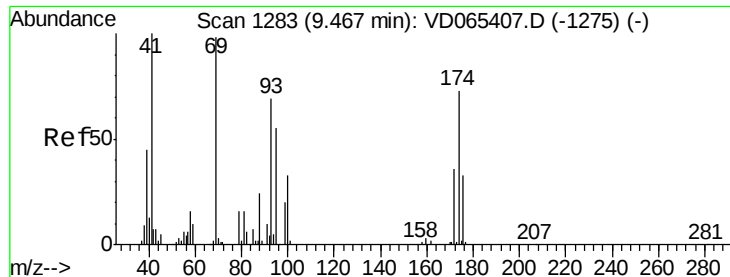
Tot Ion	83	Resp	340190
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.8	79.2
127	9.1	8.0	12.0



#48
Methyl methacrylate
Concen: 50.444 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	41	Resp	122925
Ion Ratio	Lower	Upper	
41	100		
69	91.9	72.5	108.7
39	54.3	41.6	62.4

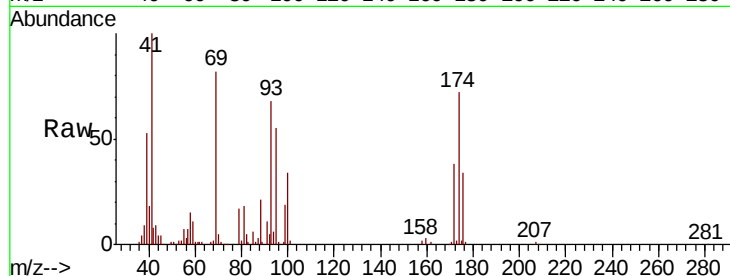




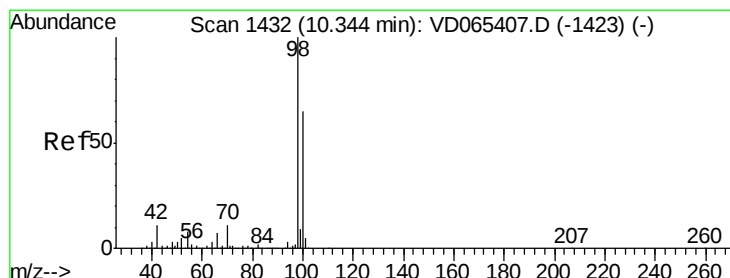
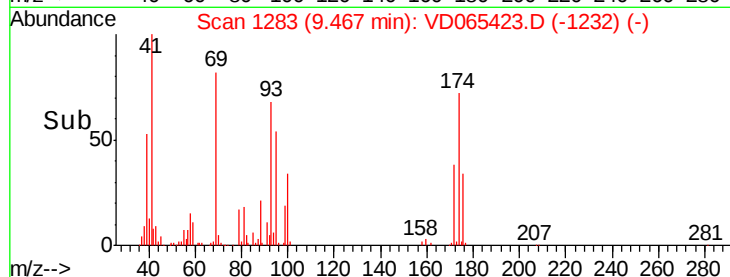
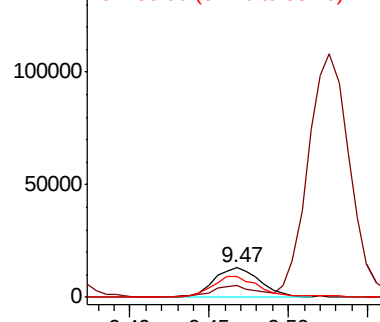
#49
1,4-Dioxane
Concen: 921.935 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 26892
Ion Ratio Lower Upper
88 100
43 36.3 24.5 36.7
58 70.8 54.5 81.7

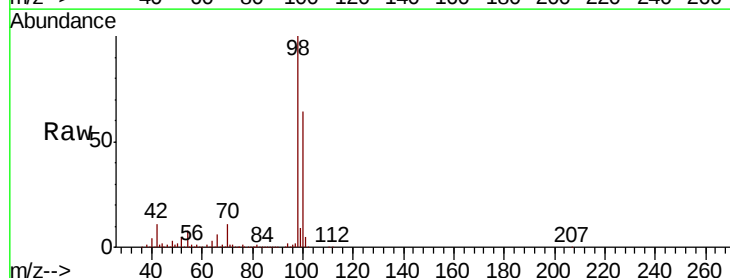


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

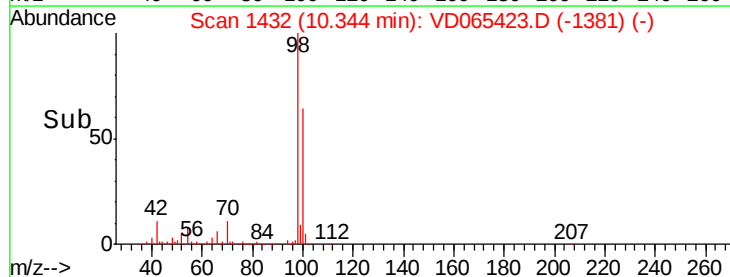
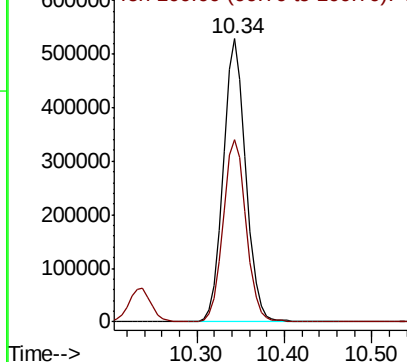


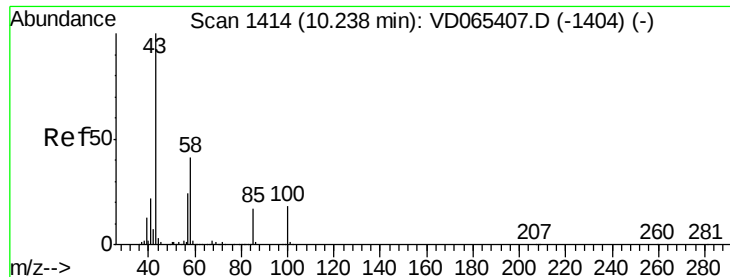
#50
Toluene-d8
Concen: 52.108 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 98 Resp: 936154
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



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

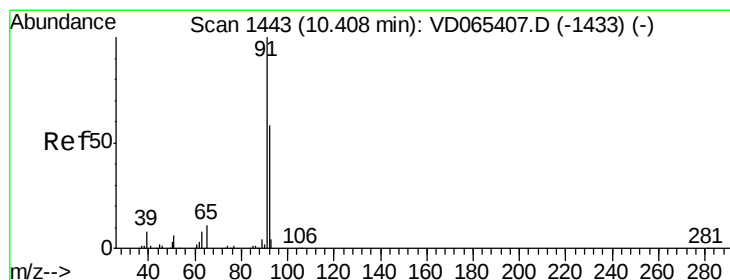
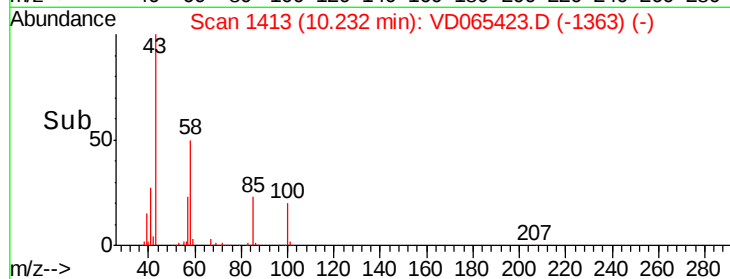
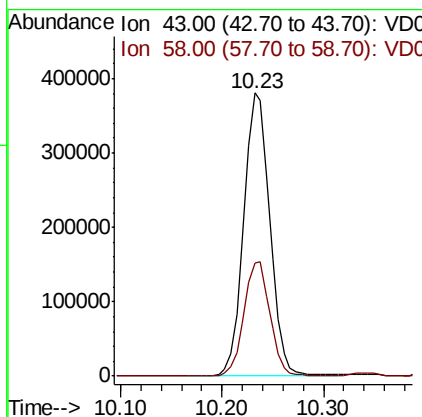
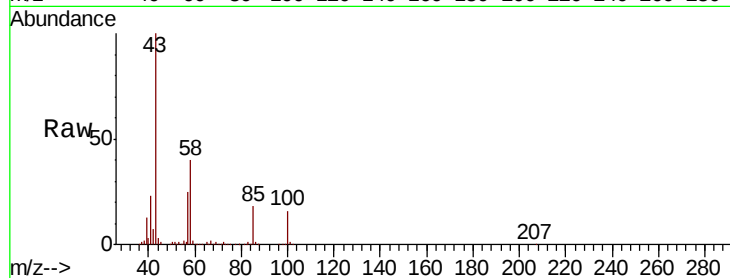




#51
4-Methyl-2-Pentanone
Concen: 262.525 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

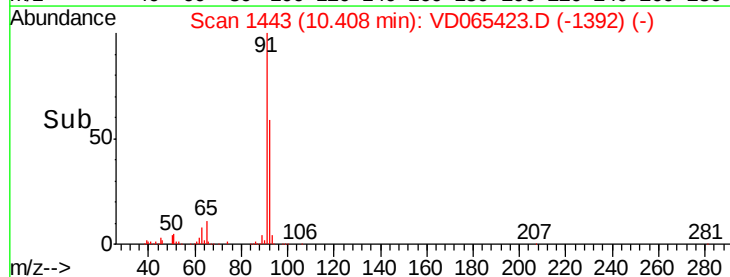
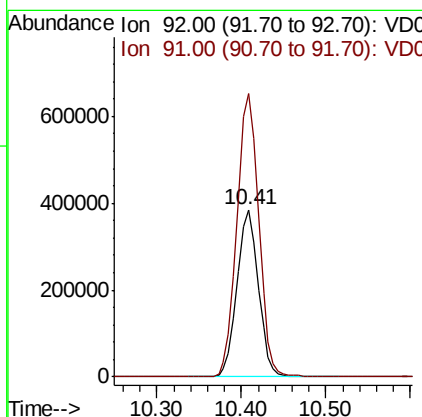
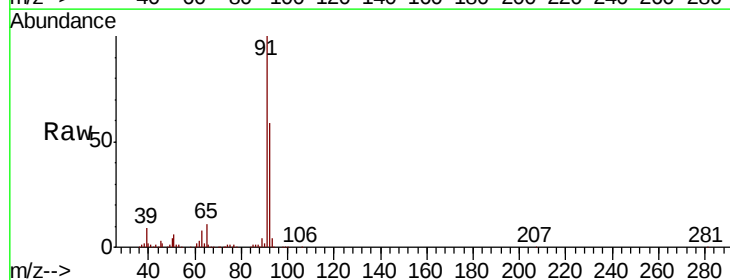
Instrument :
MSVOA_D
ClientSampled :

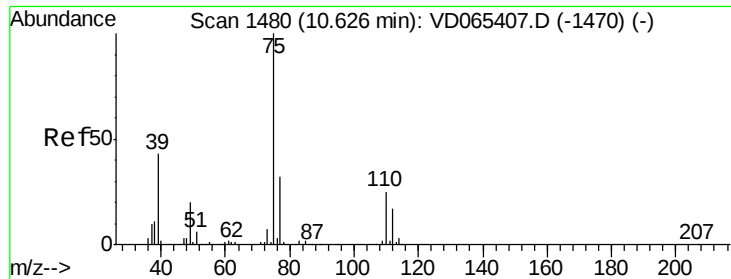
Tot Ion: 43 Resp: 684382
Ion Ratio Lower Upper
43 100
58 40.2 31.8 47.6



#52
Toluene
Concen: 52.427 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 92 Resp: 670308
Ion Ratio Lower Upper
92 100
91 173.0 137.8 206.8

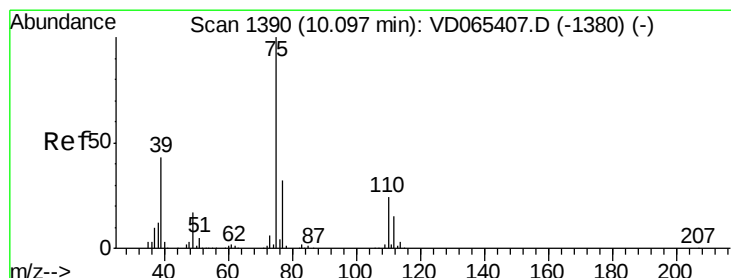
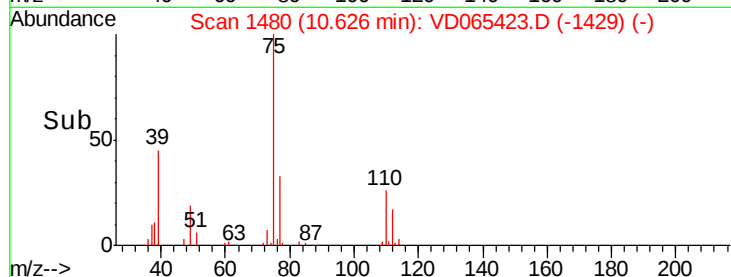
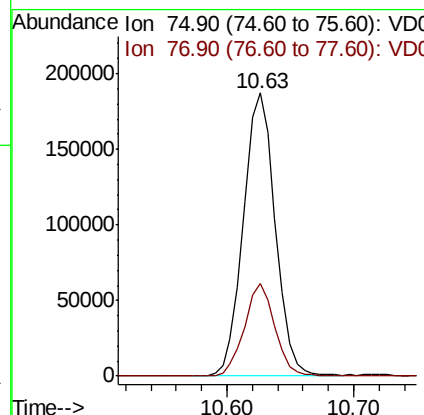
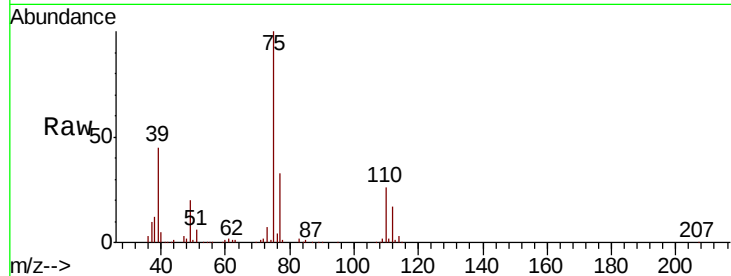




#53
t-1,3-Dichloropropene
Concen: 52.706 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

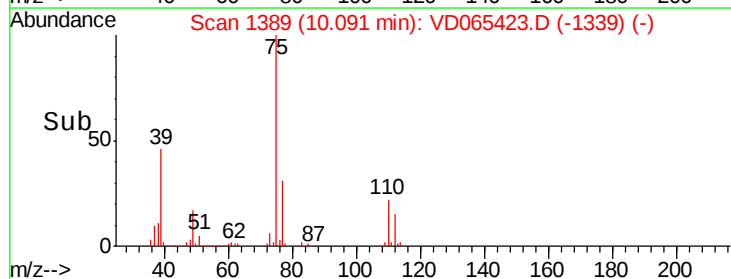
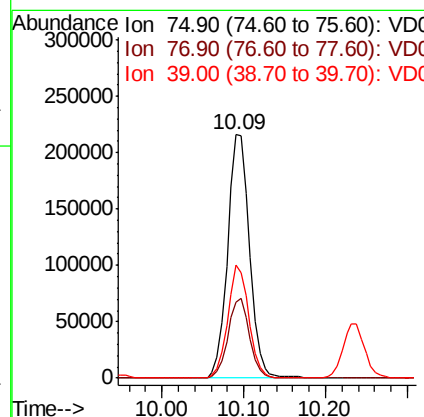
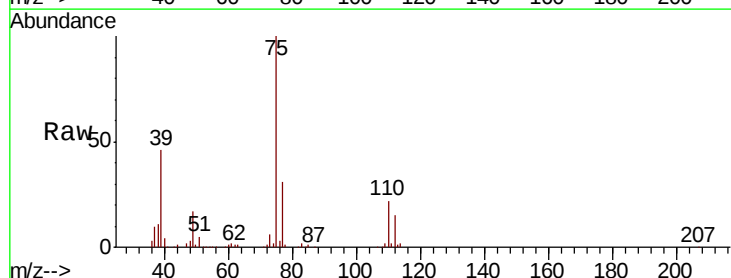
Instrument :
MSVOA_D
ClientSampled :

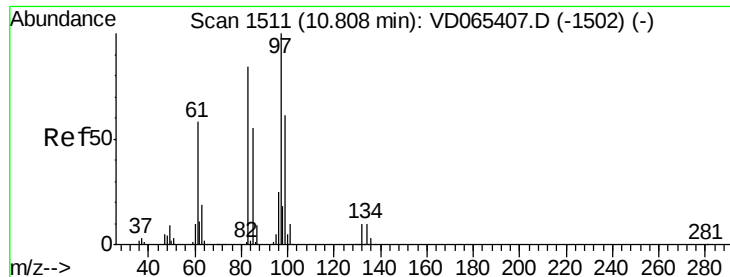
Tot Ion: 75 Resp: 326763
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 53.654 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 75 Resp: 402636
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9
39 46.1 34.6 52.0

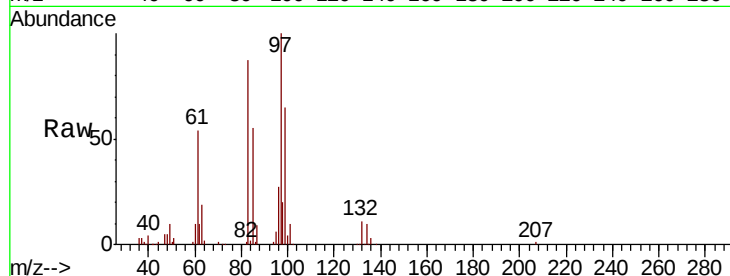




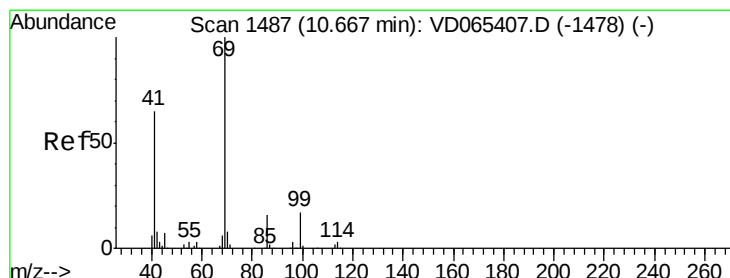
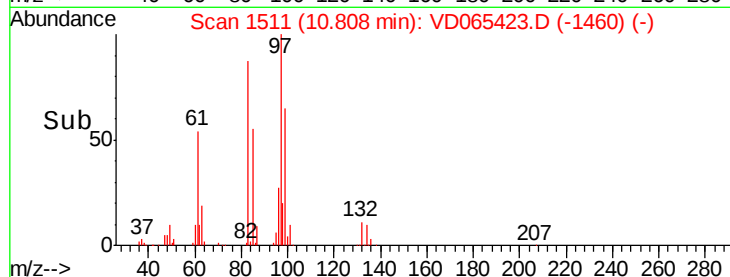
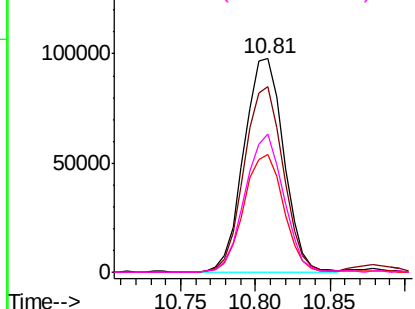
#55
 1,1,2-Trichloroethane
 Concen: 50.323 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.4	101.0
85	55.4	43.8	65.8
99	64.9	48.8	73.2

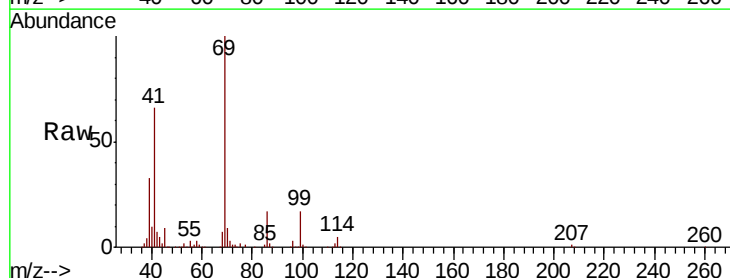


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

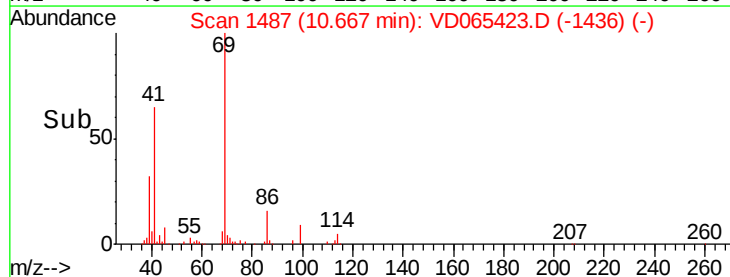
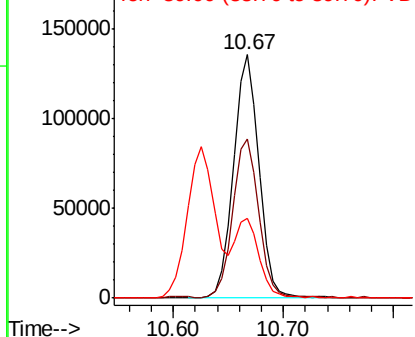


#56
 Ethyl methacrylate
 Concen: 54.186 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.0	79.6
39	31.0	26.0	39.0



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: 52.147 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

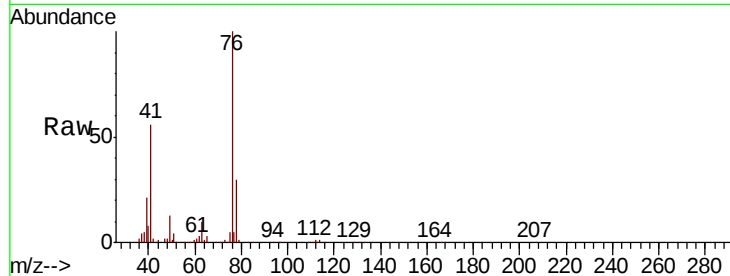
ClientSampleId :

Tot Ion: 76 Resp: 318671

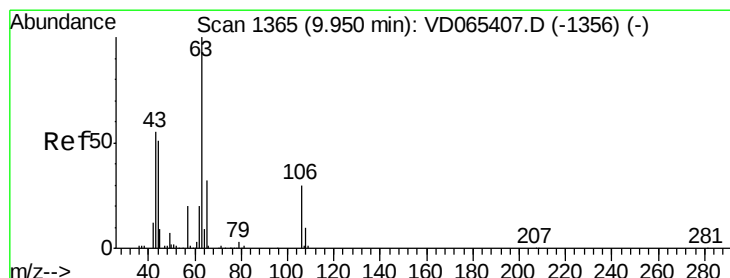
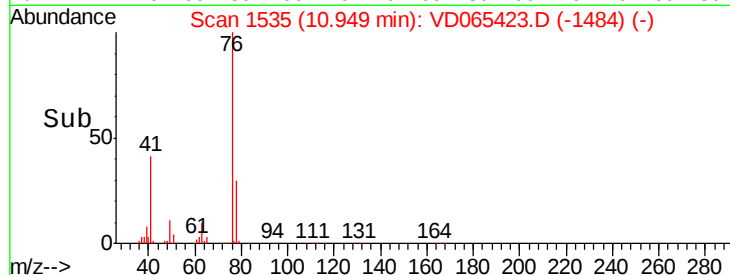
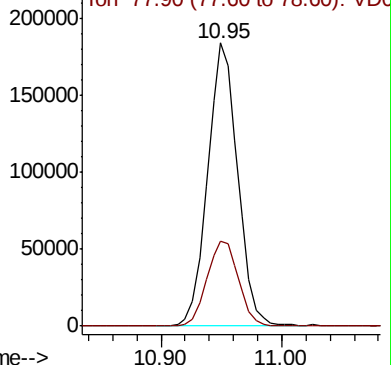
Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 224.268 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065423.D

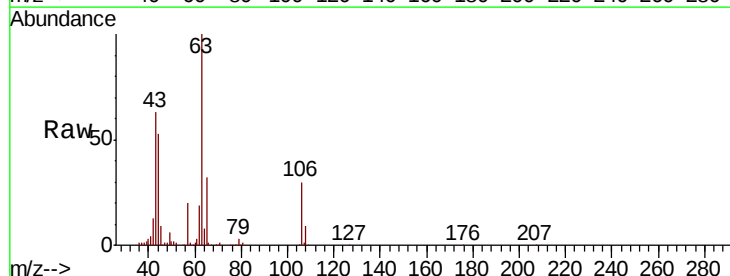
Acq: 05 Mar 2020 11:11

Tgt Ion: 63 Resp: 285111

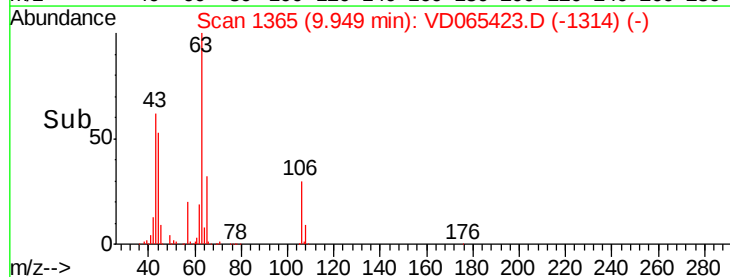
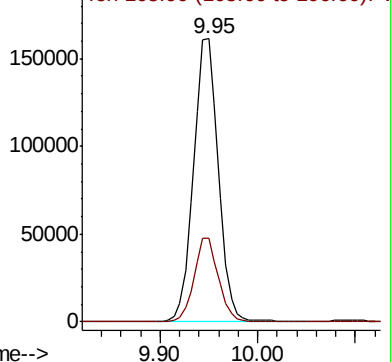
Ion Ratio Lower Upper

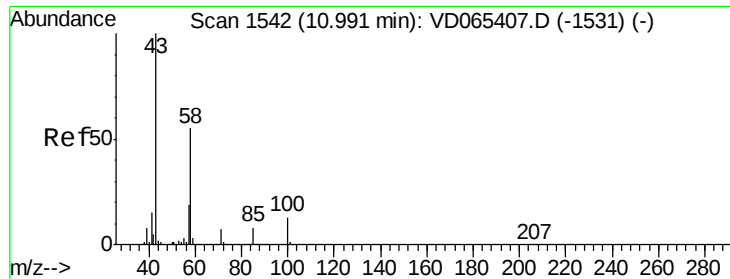
63 100

106 28.9 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

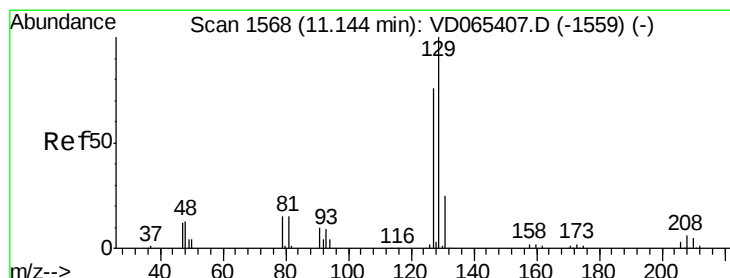
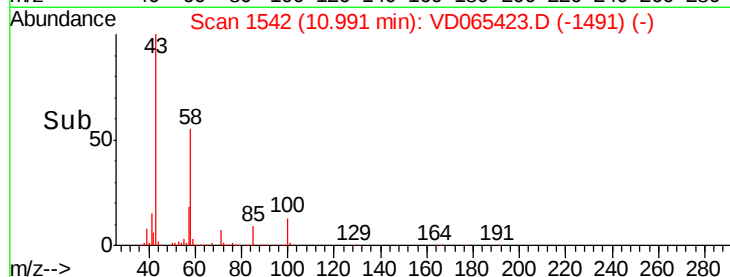
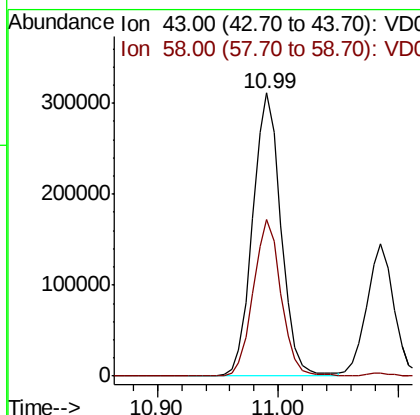
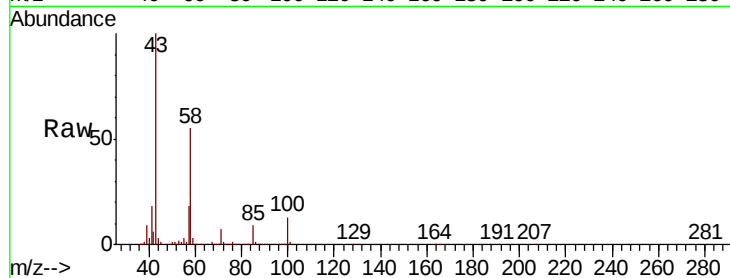




#59
2-Hexanone
Concen: 283.778 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

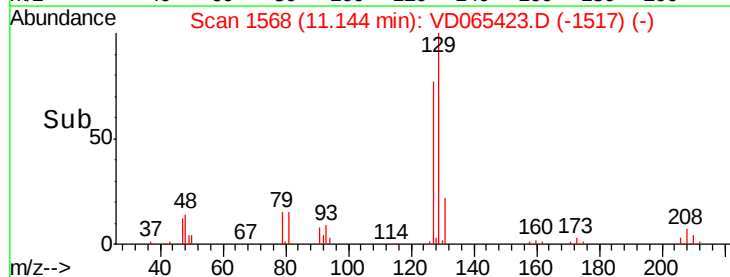
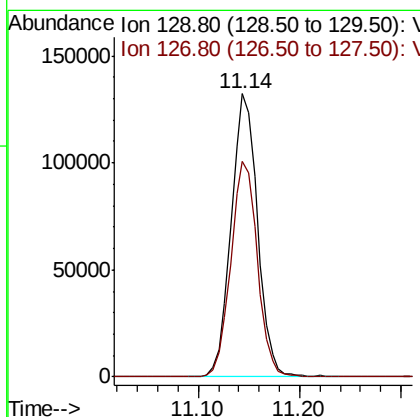
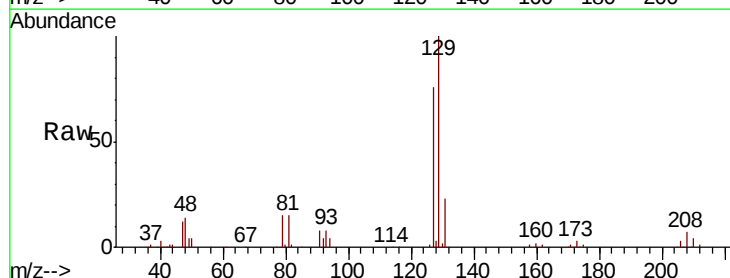
Instrument :
MSVOA_D
ClientSampled :

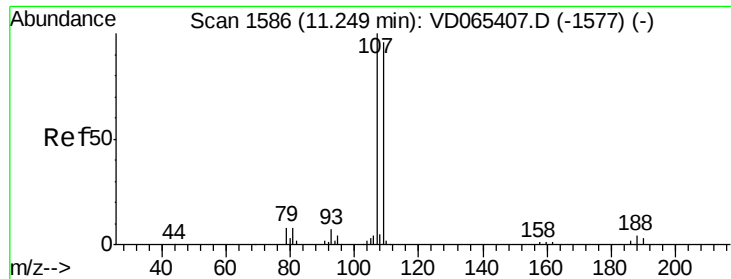
Tot Ion: 43 Resp: 512110
Ion Ratio Lower Upper
43 100
58 54.2 27.4 82.2



#60
Dibromochloromethane
Concen: 51.440 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:129 Resp: 238152
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

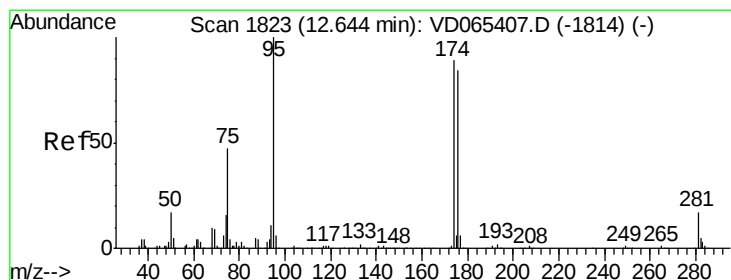
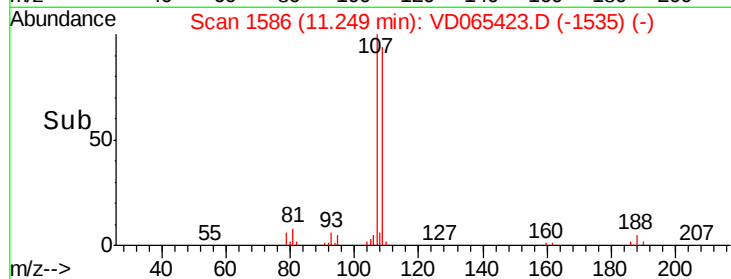
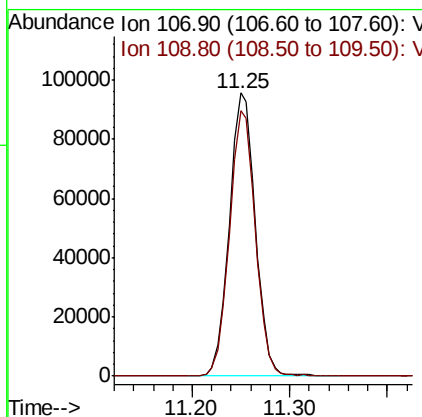
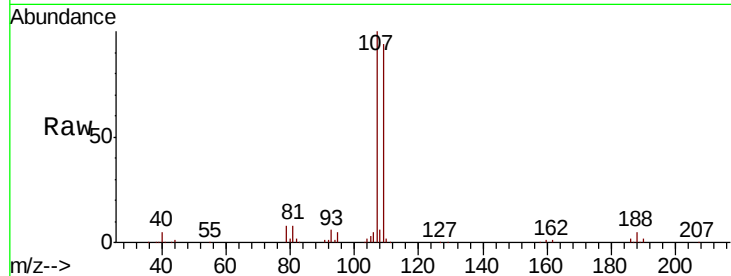




#61
 1,2-Dibromoethane
 Concen: 51.073 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

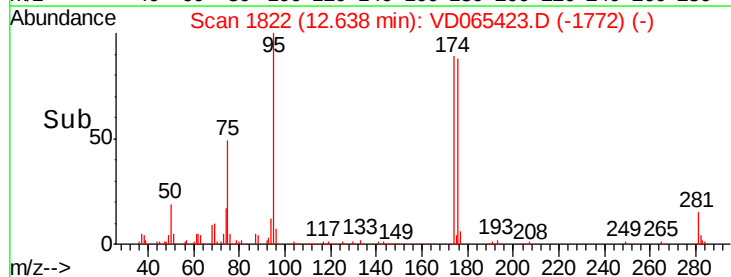
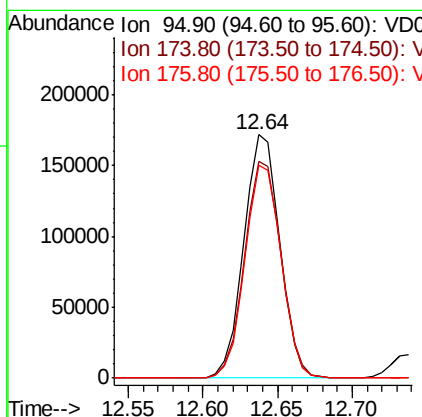
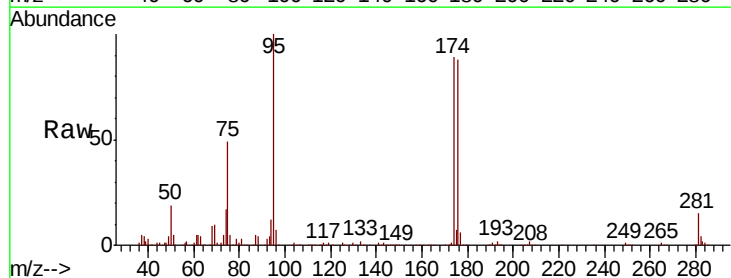
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 107 Resp: 175949
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.559 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 95 Resp: 285953
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 176.8
 176 88.0 0.0 171.4

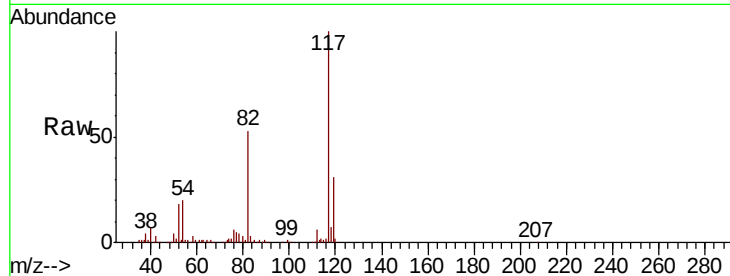




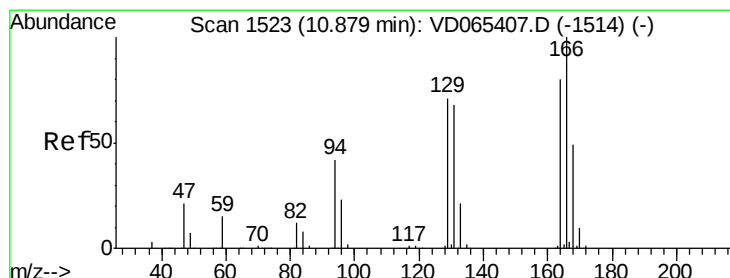
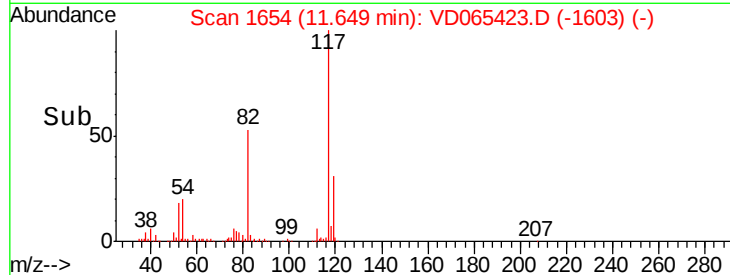
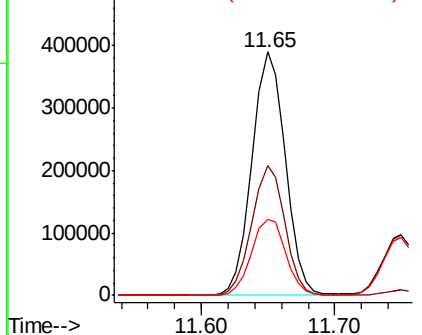
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 673784
Ion Ratio Lower Upper
117 100
82 53.4 40.6 60.8
119 31.3 25.4 38.2

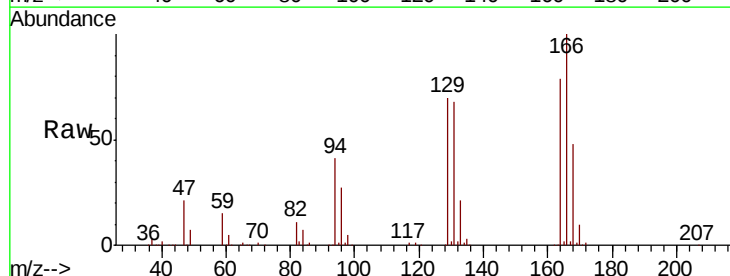


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

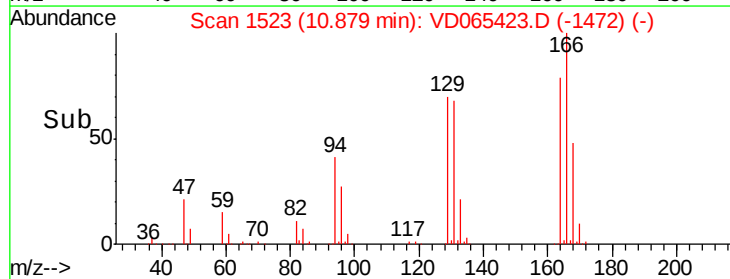
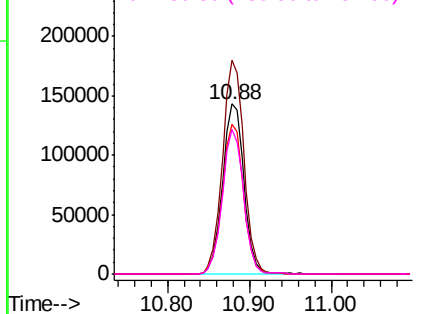


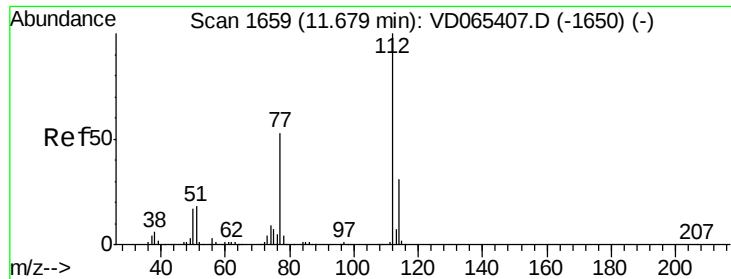
#64
Tetrachloroethene
Concen: 54.002 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:164 Resp: 260724
Ion Ratio Lower Upper
164 100
166 125.8 100.5 150.7
129 88.4 71.5 107.3
131 85.0 68.5 102.7



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

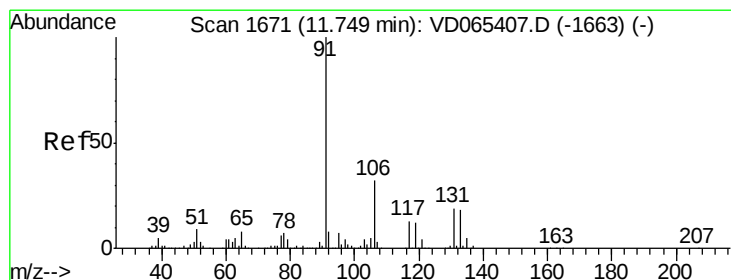
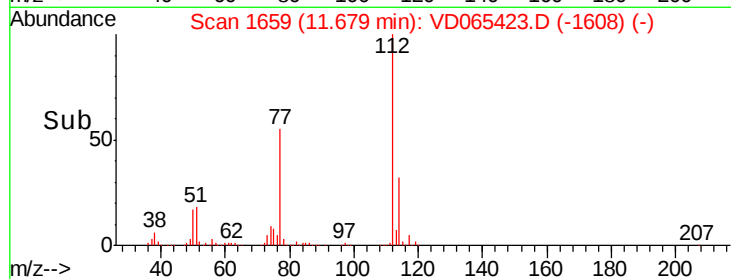
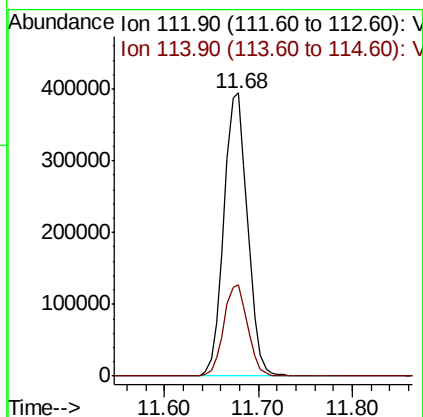
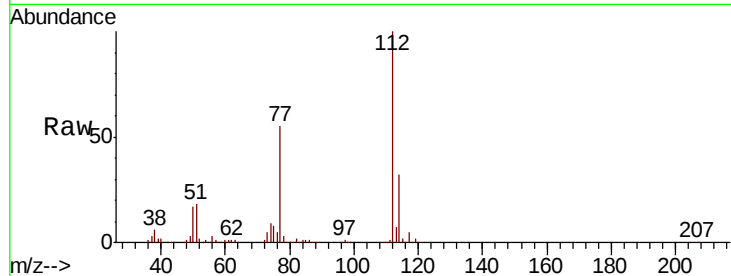




#65
Chlorobenzene
Concen: 51.829 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

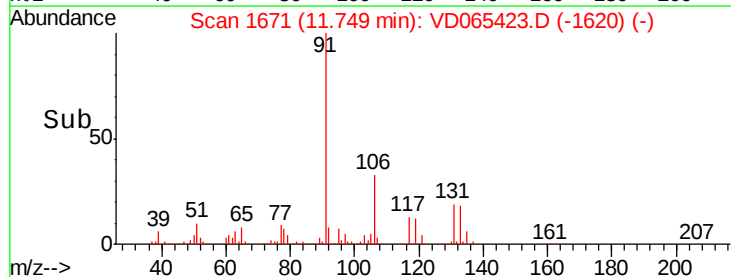
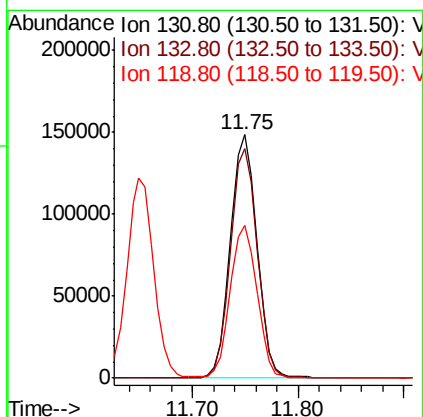
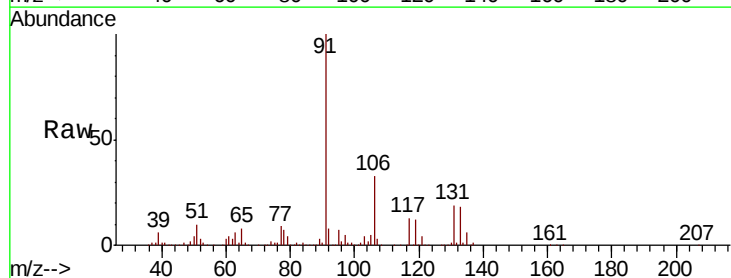
Instrument :
MSVOA_D
ClientSampled :

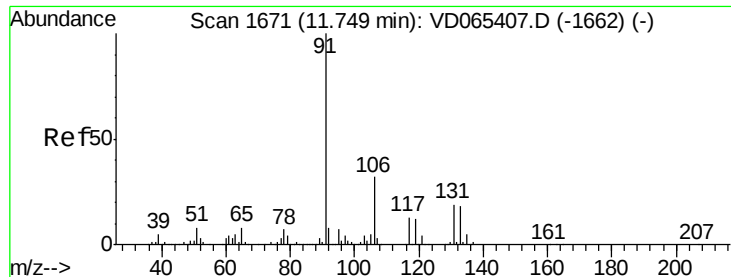
Tot Ion:112 Resp: 691056
Ion Ratio Lower Upper
112 100
114 32.2 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.196 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:131 Resp: 258322
Ion Ratio Lower Upper
131 100
133 95.1 49.2 147.6
119 63.0 33.3 99.8

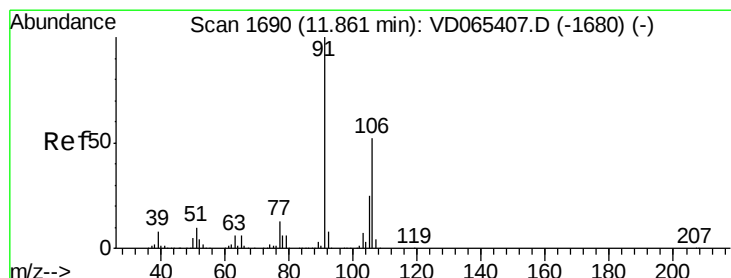
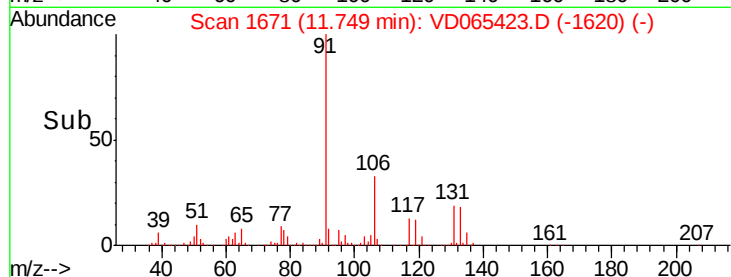
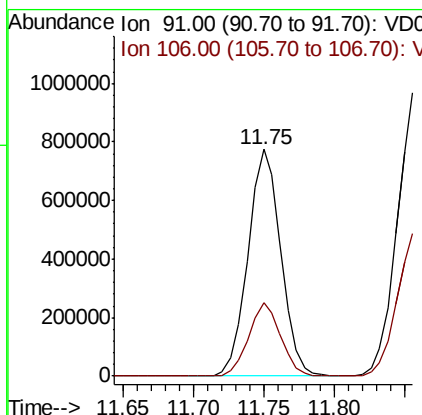
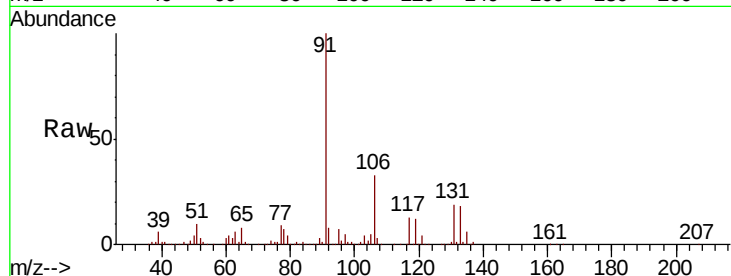




#67
Ethyl Benzene
Concen: 54.867 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

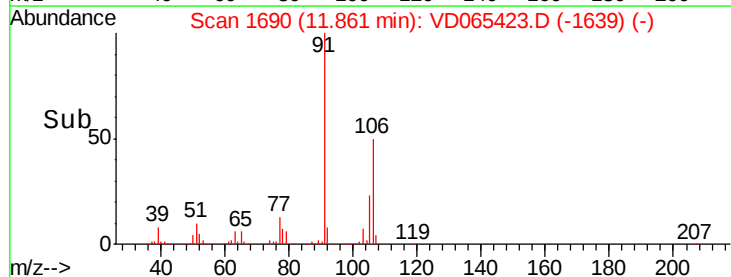
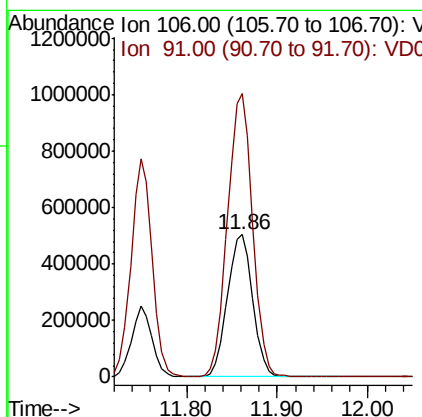
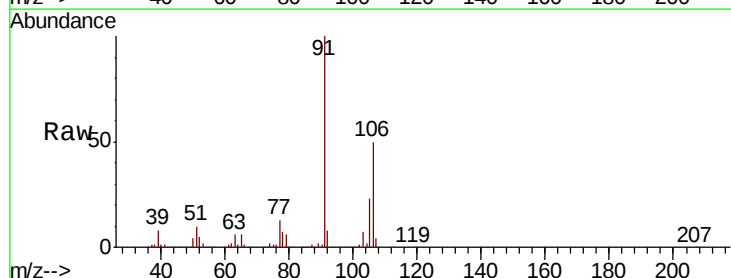
Instrument :
MSVOA_D
ClientSampled :

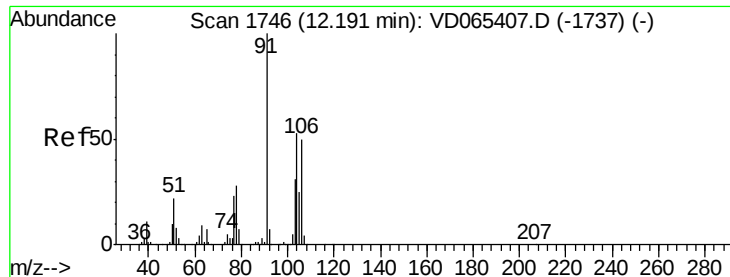
Tot Ion: 91 Resp: 1264056
Ion Ratio Lower Upper
91 100
106 32.6 25.2 37.8



#68
m/p-Xylenes
Concen: 109.973 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 106 Resp: 976940
Ion Ratio Lower Upper
106 100
91 197.7 155.9 233.9

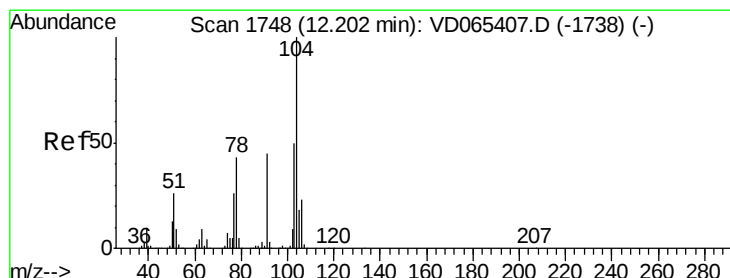
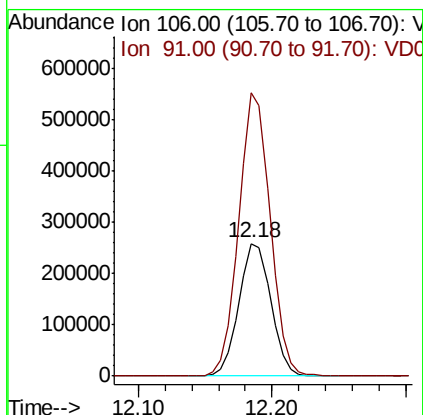
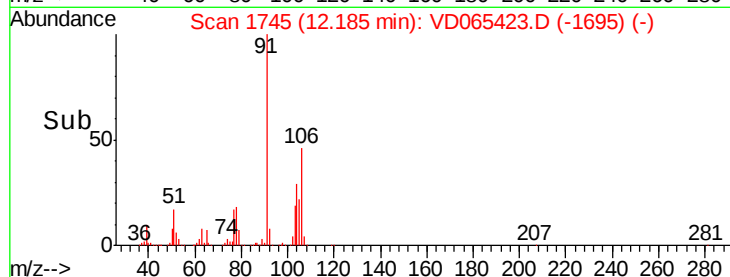
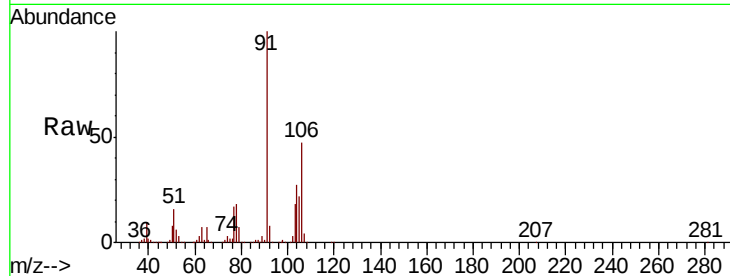




#69
o-Xylene
Concen: 55.195 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

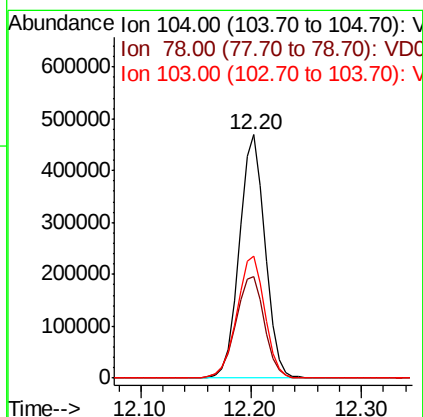
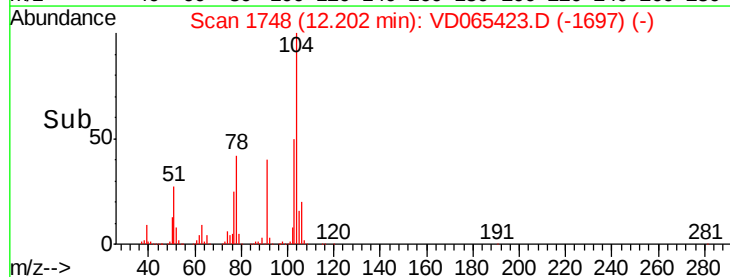
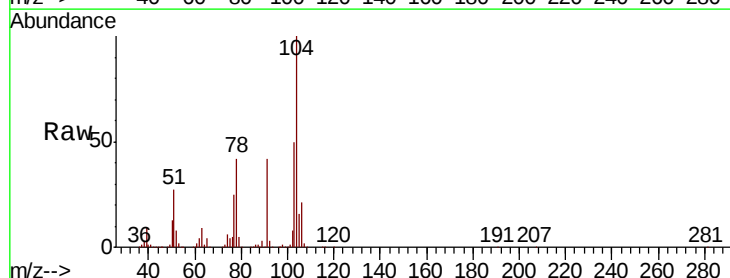
Instrument :
MSVOA_D
ClientSampled :

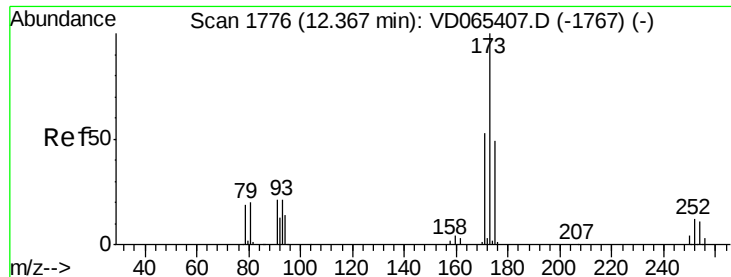
Tot Ion:106 Resp: 431305
Ion Ratio Lower Upper
106 100
91 209.2 103.5 310.3



#70
Styrene
Concen: 55.934 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:104 Resp: 769239
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.4 43.6 65.4

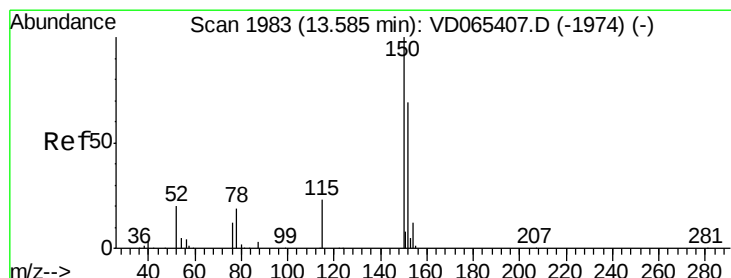
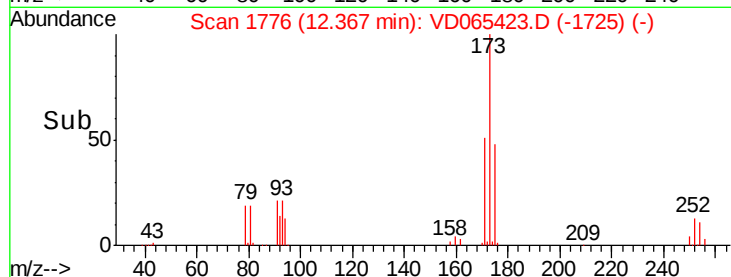
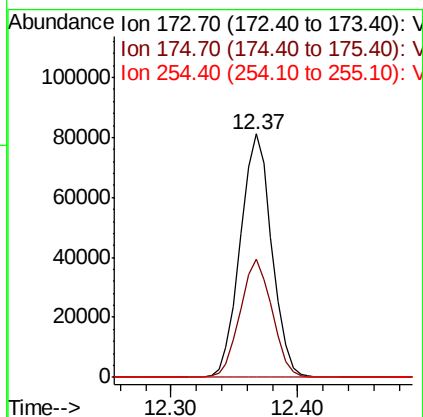
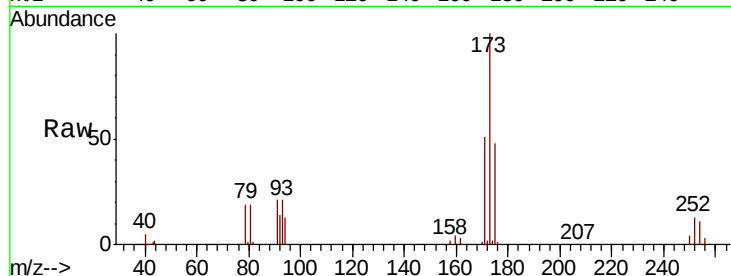




#71
Bromoform
Concen: 51.291 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

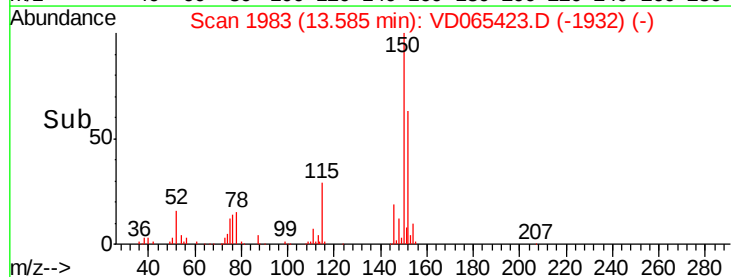
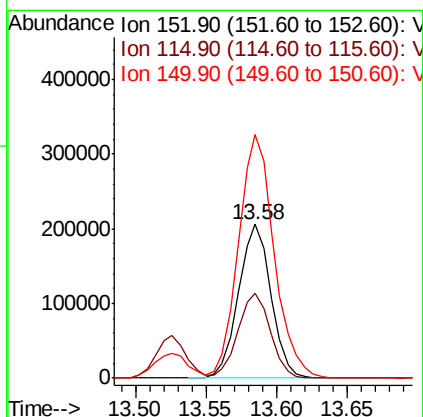
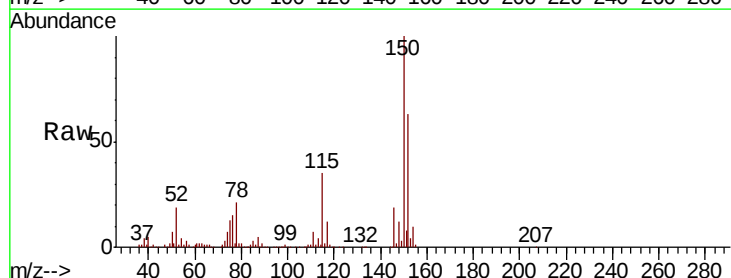
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 139905
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:152 Resp: 330293
Ion Ratio Lower Upper
152 100
115 55.8 27.6 82.8
150 174.0 0.0 345.0





#73

Isopropylbenzene

Concen: 55.881 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

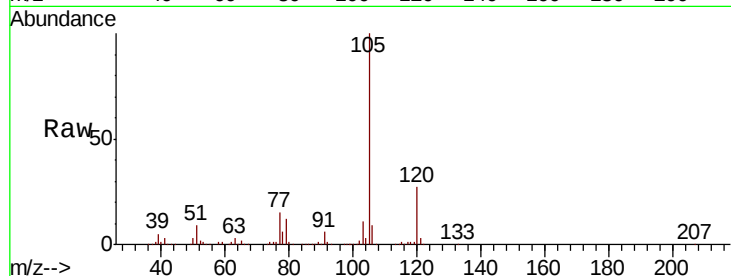
ClientSampled :

Tot Ion:105 Resp: 1214014

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

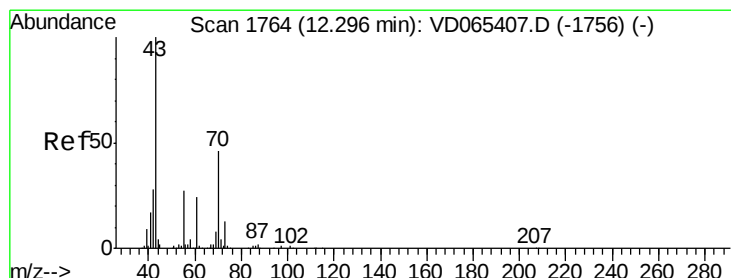
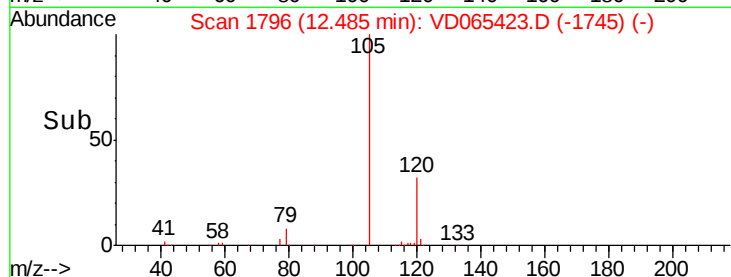
600000

400000

200000

0

Time--> 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 52.318 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion: 43 Resp: 232691

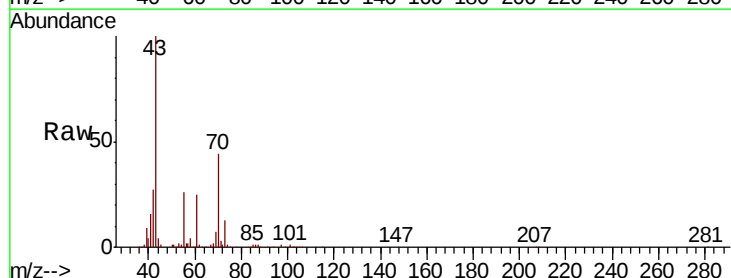
Ion Ratio Lower Upper

43 100

70 44.9 36.1 54.1

55 27.6 21.6 32.4

61 25.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

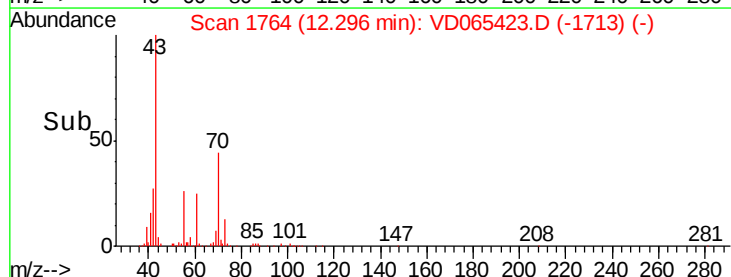
150000

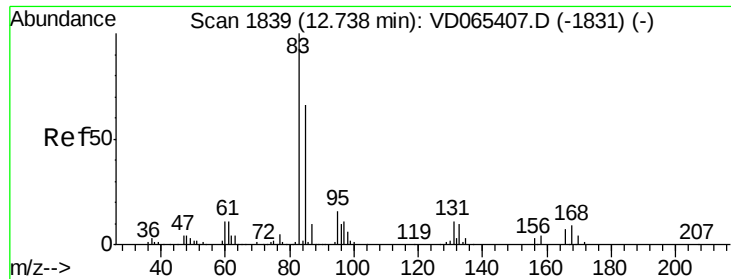
100000

50000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 49.128 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

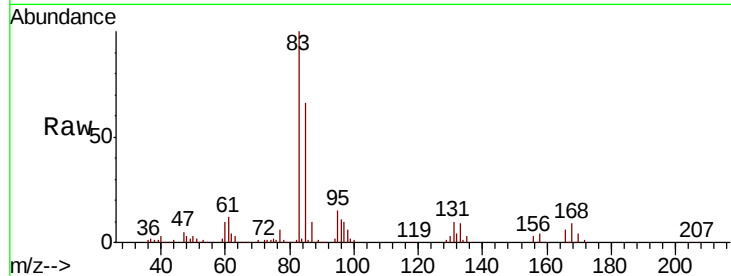
Tot Ion: 83 Resp: 187609

Ion Ratio Lower Upper

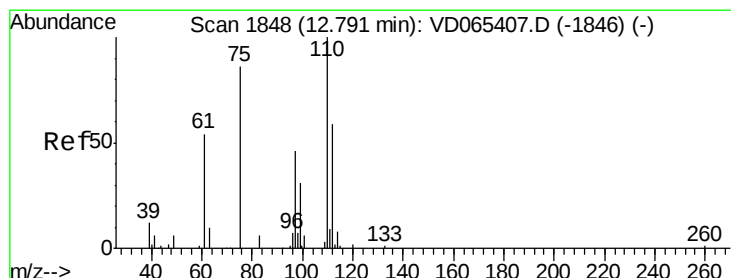
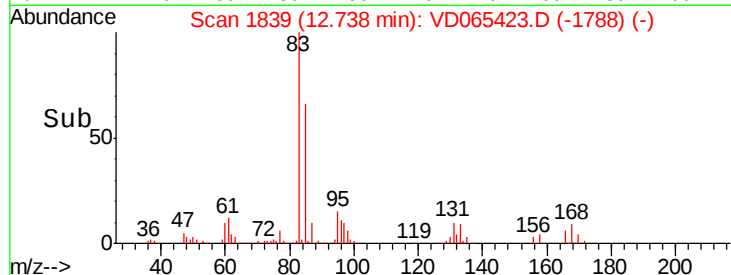
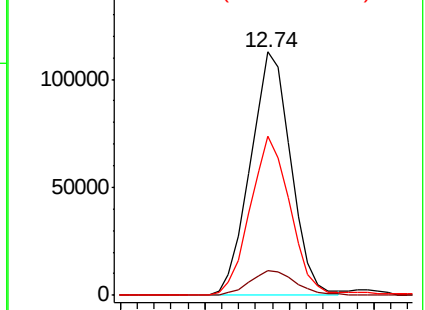
83 100

131 11.3 5.4 16.2

85 65.8 33.0 98.9



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



#76

1,2,3-Trichloropropane

Concen: 96.226 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065423.D

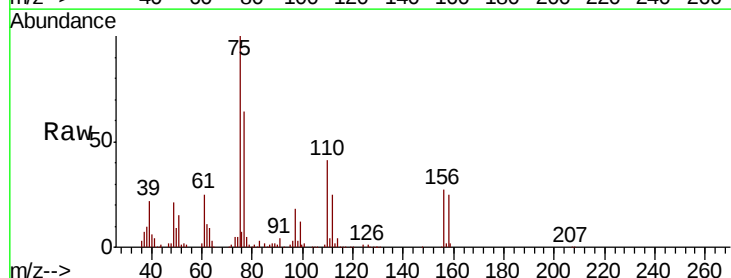
Acq: 05 Mar 2020 11:11

Tgt Ion: 75 Resp: 250793

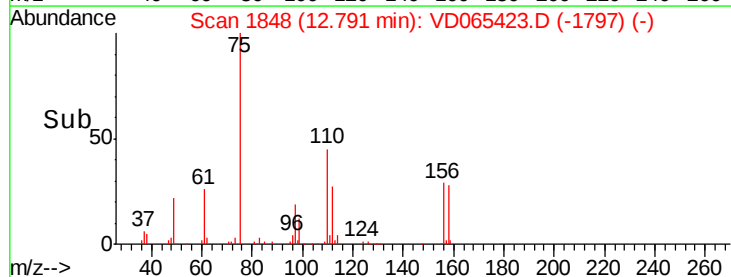
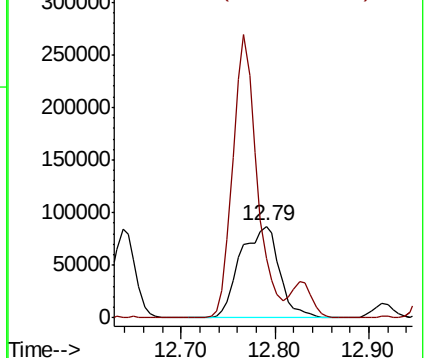
Ion Ratio Lower Upper

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: 53.472 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

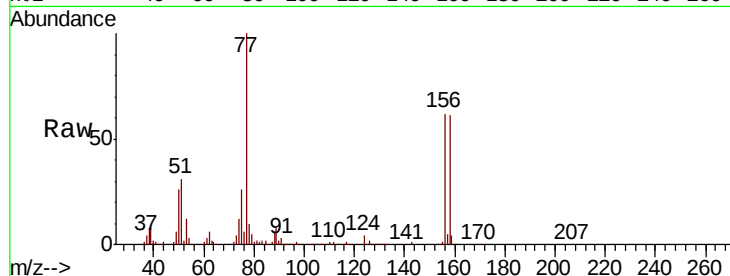
Tot Ion:156 Resp: 288621

Ion Ratio Lower Upper

156 100

77 167.4 84.9 254.6

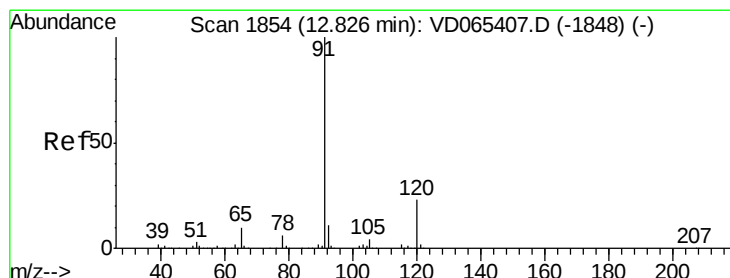
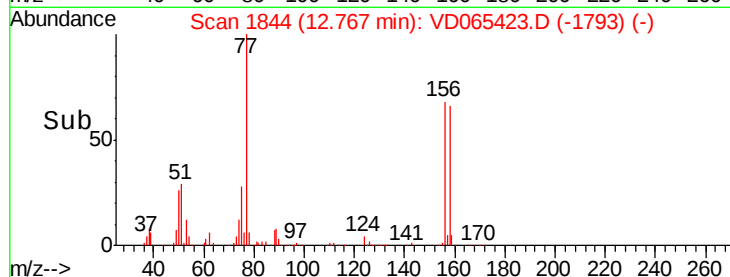
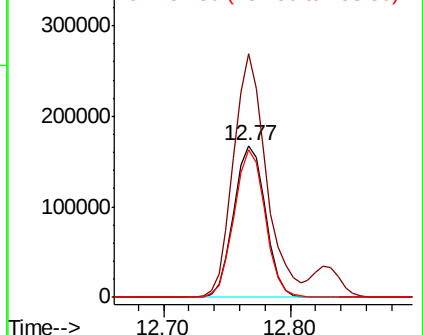
158 95.8 49.0 147.2



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: 56.177 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065423.D

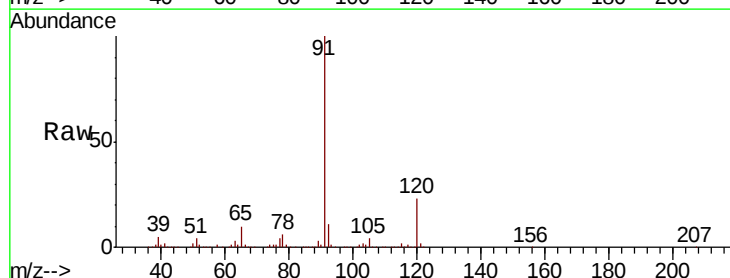
Acq: 05 Mar 2020 11:11

Tgt Ion: 91 Resp: 1448071

Ion Ratio Lower Upper

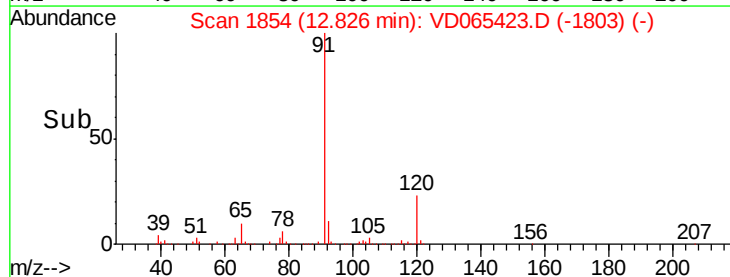
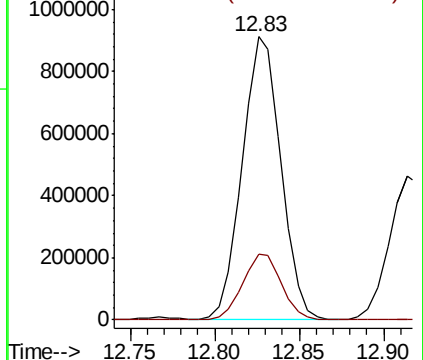
91 100

120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.927 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

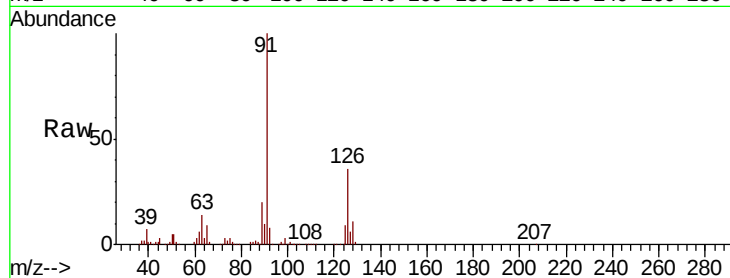
ClientSampled :

Tot Ion: 91 Resp: 783413

Ion Ratio Lower Upper

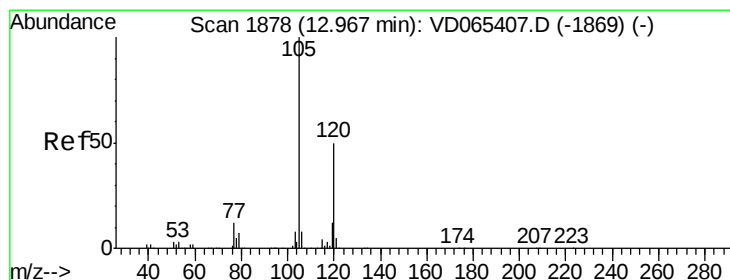
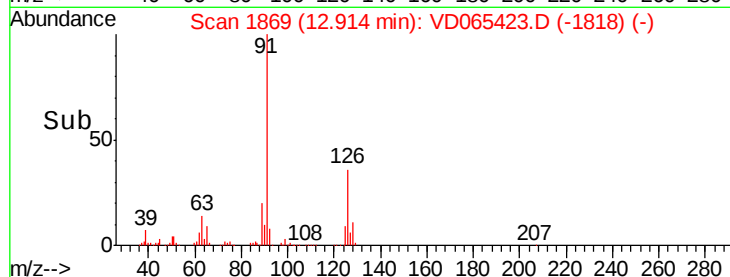
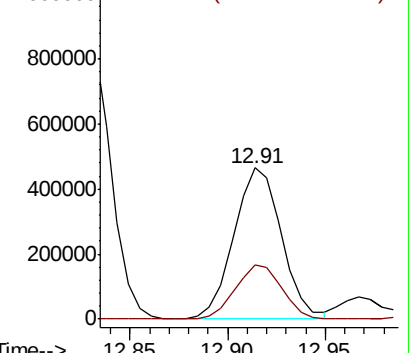
91 100

126 35.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.878 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065423.D

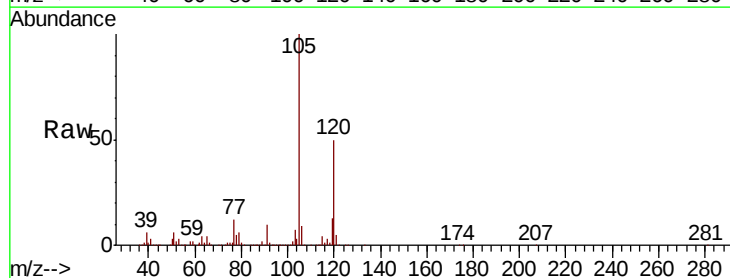
Acq: 05 Mar 2020 11:11

Tgt Ion:105 Resp: 997995

Ion Ratio Lower Upper

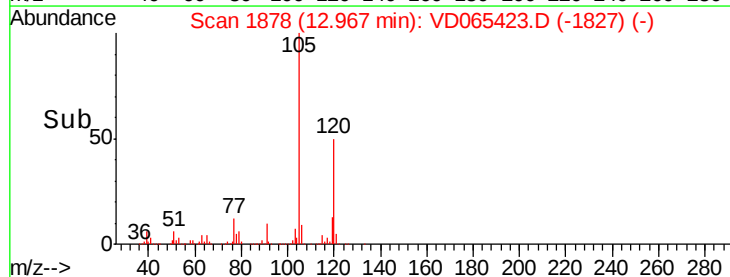
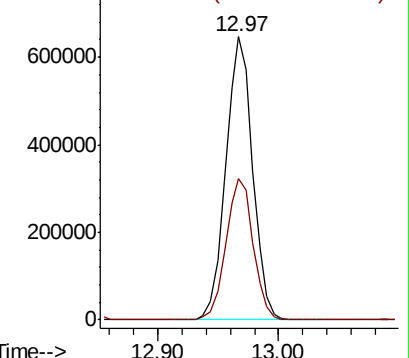
105 100

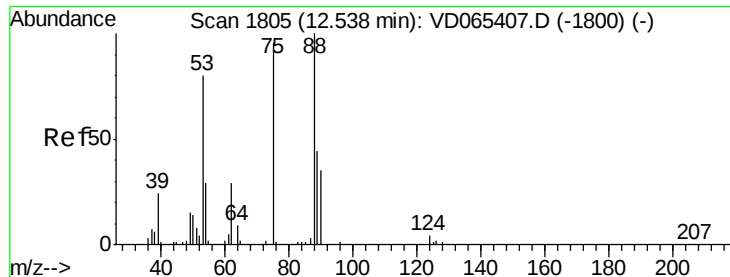
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

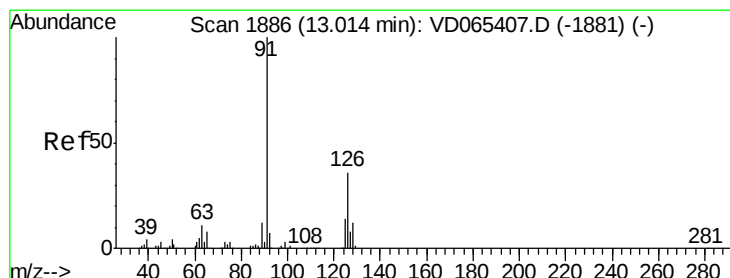
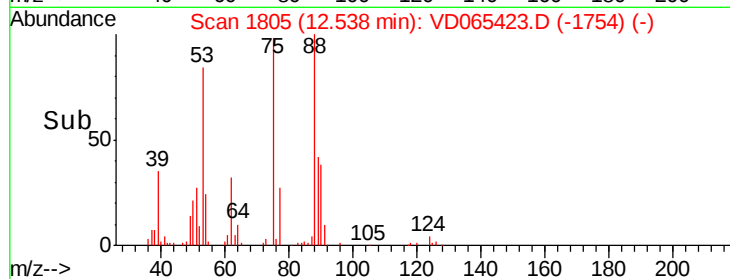
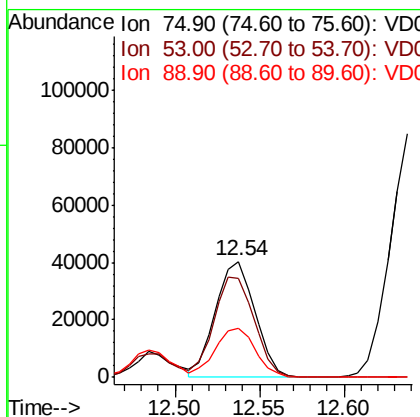
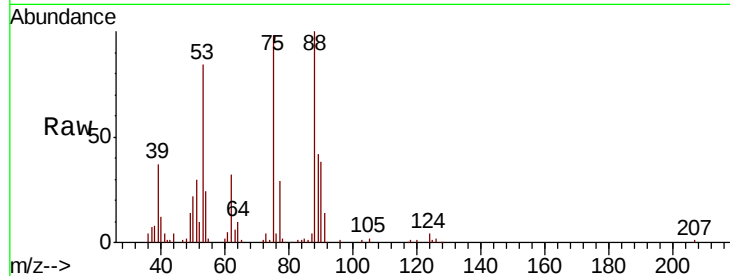




#81
trans-1,4-Dichloro-2-butene
Concen: 53.738 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

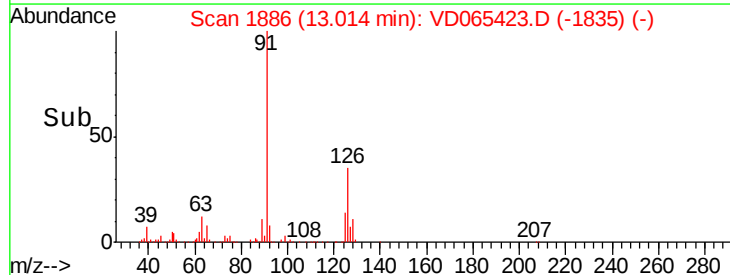
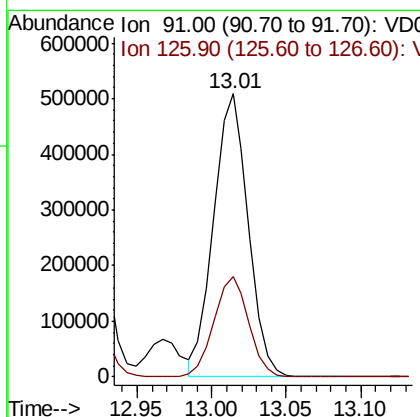
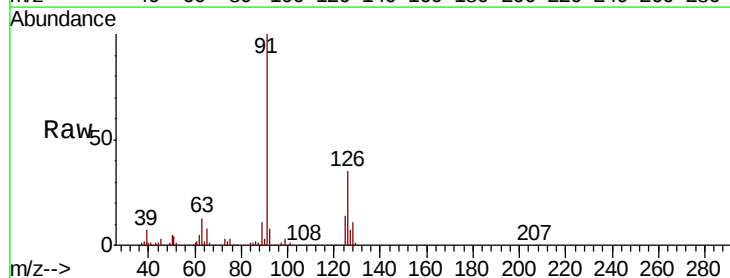
Instrument :
MSVOA_D
ClientSampleId :

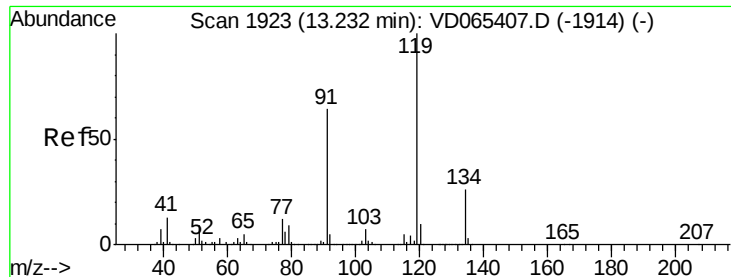
Tot Ion: 75 Resp: 66368
Ion Ratio Lower Upper
75 100
53 86.6 71.3 106.9
89 43.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 53.763 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 91 Resp: 820736
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.8

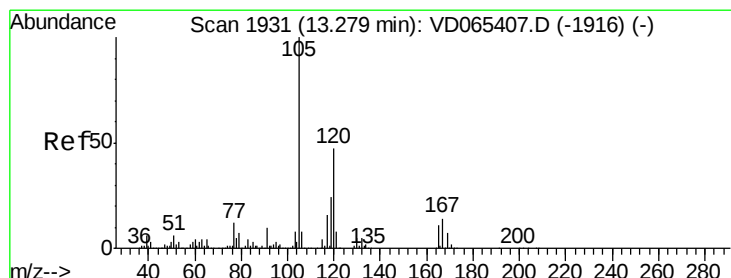
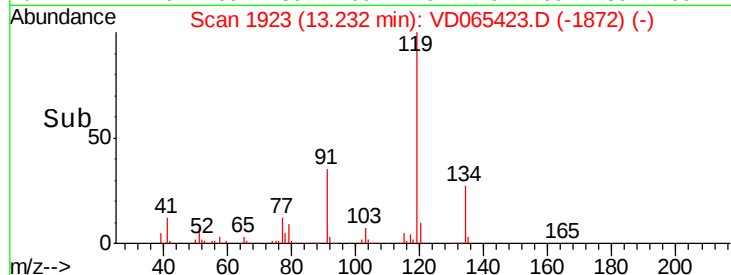
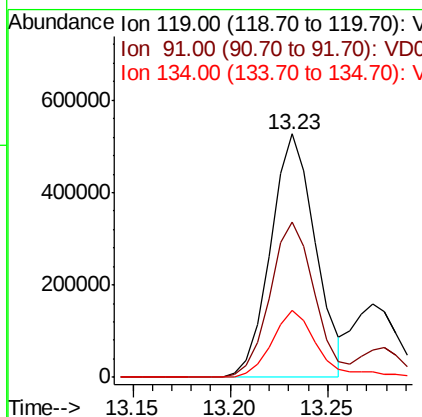
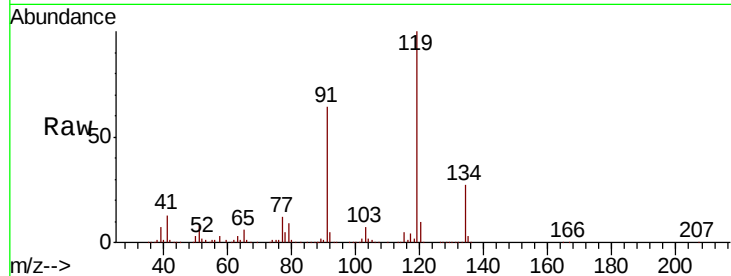




#83
 tert-Butylbenzene
 Concen: 55.405 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

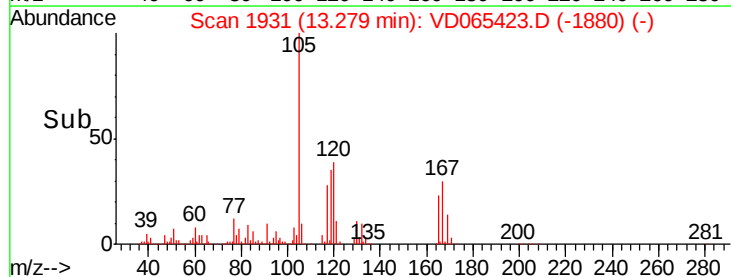
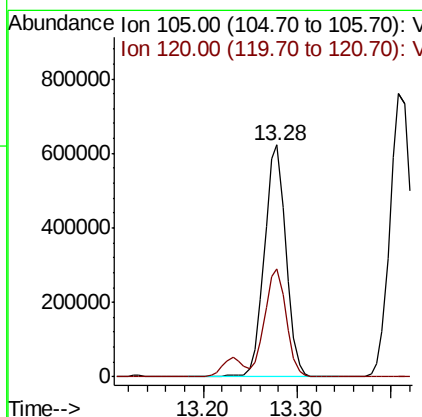
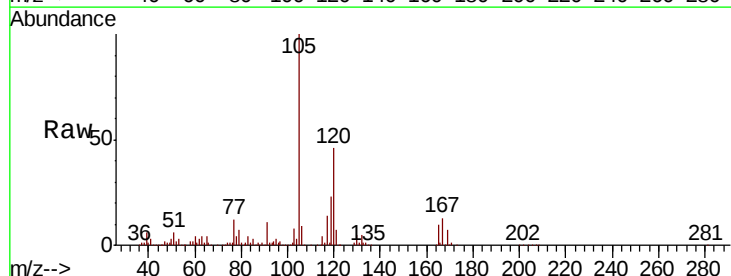
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 837173
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.6 95.0
 134 28.2 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.896 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion:105 Resp: 984065
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 56.169 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

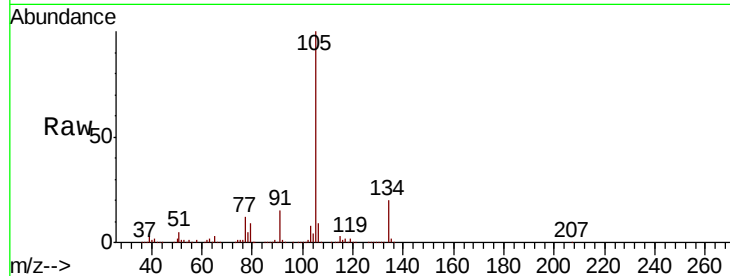
ClientSampleId :

Tot Ion:105 Resp: 1211459

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

800000

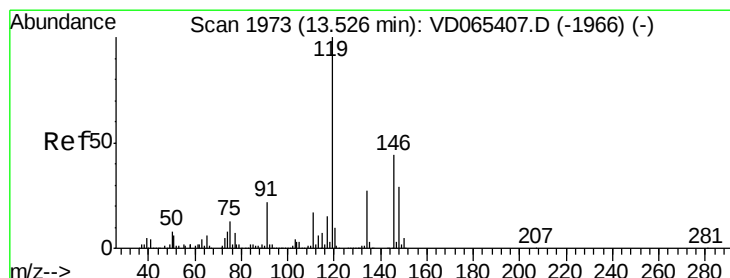
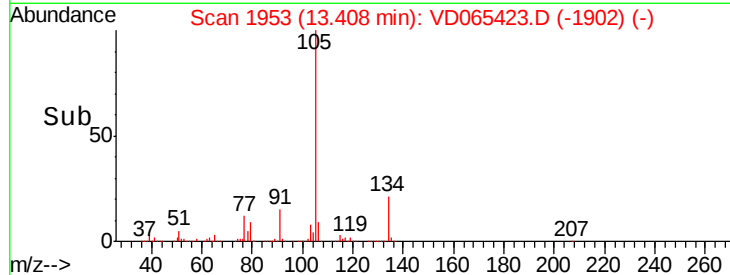
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 57.016 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

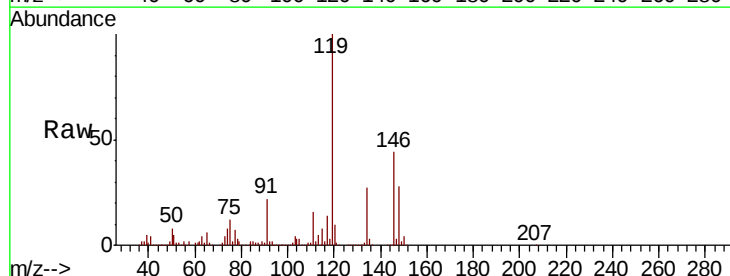
Tgt Ion:119 Resp: 1122133

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.0 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

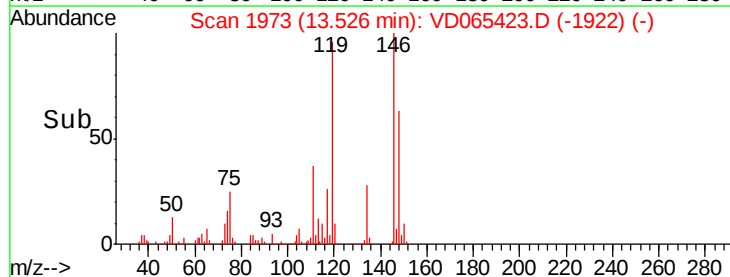
600000

400000

200000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 52.354 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

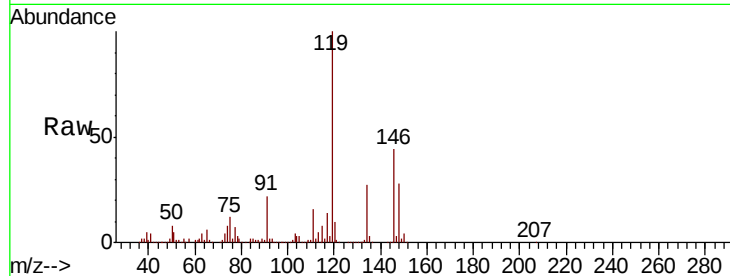
Tot Ion:146 Resp: 543293

Ion Ratio Lower Upper

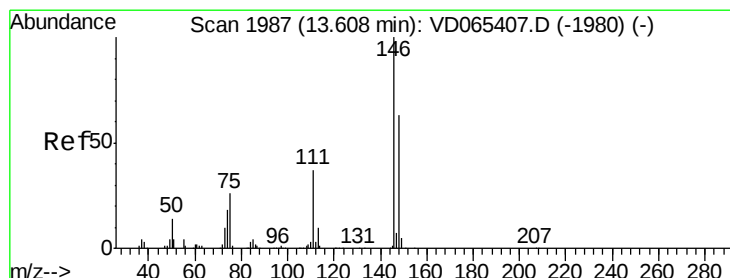
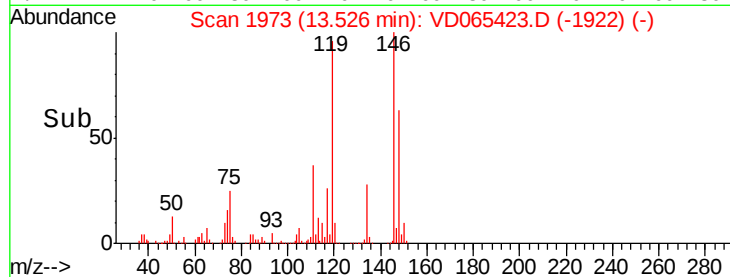
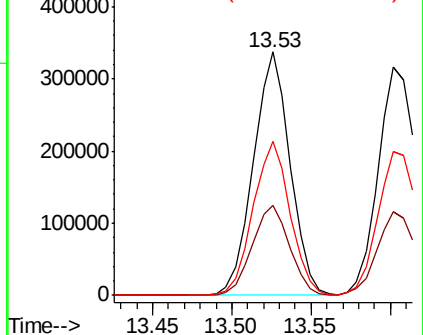
146 100

111 37.6 19.1 57.1

148 63.8 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 51.335 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

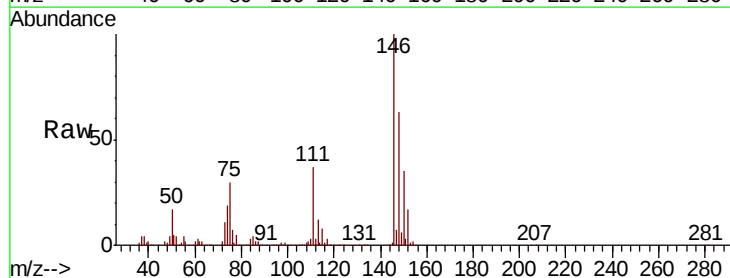
Tgt Ion:146 Resp: 529906

Ion Ratio Lower Upper

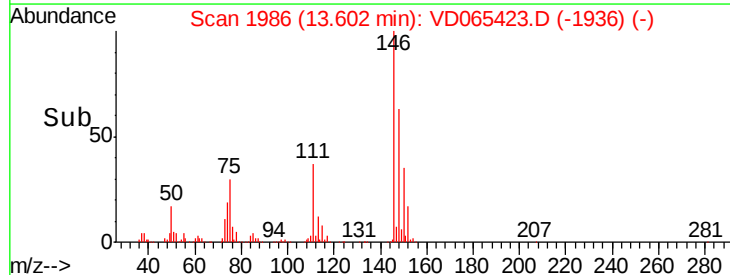
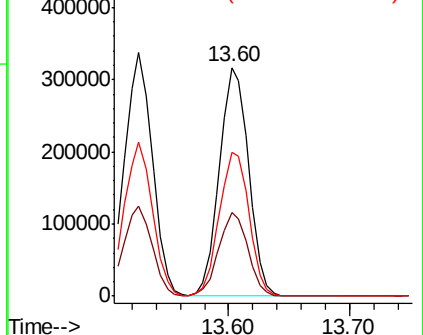
146 100

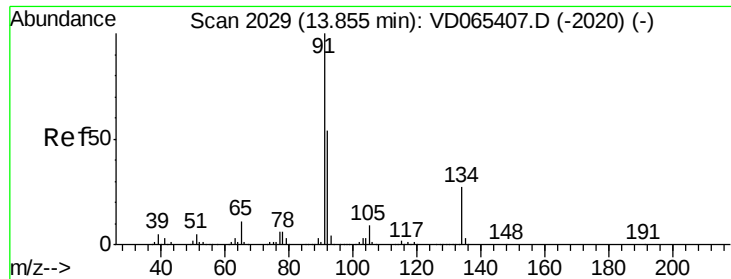
111 36.7 18.5 55.5

148 64.3 32.0 96.0



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

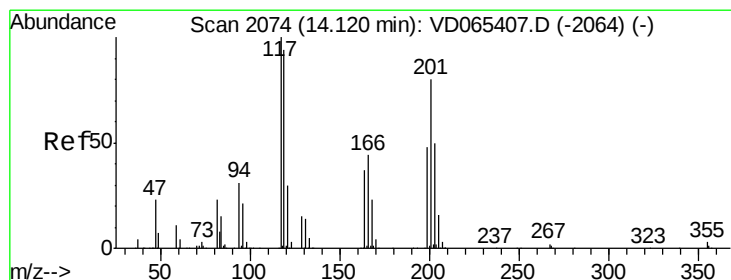
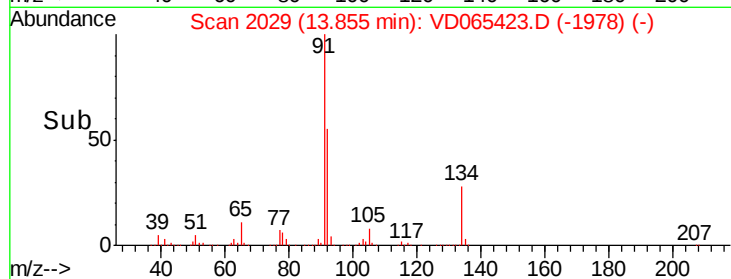
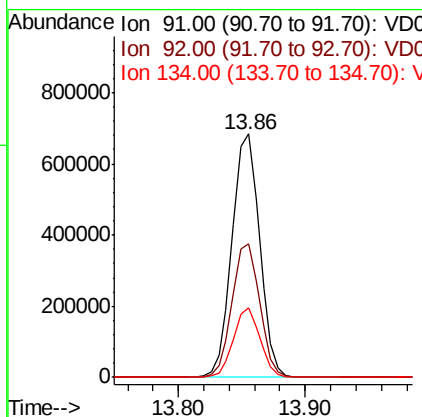
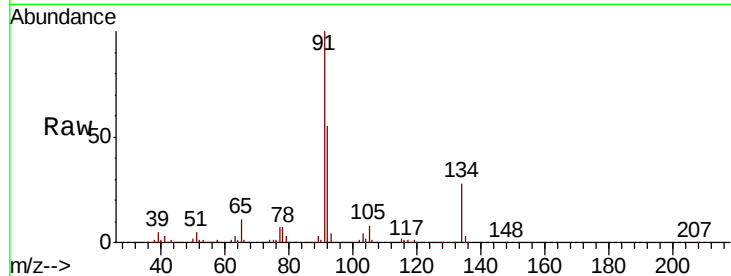




#89
n-Butylbenzene
Concen: 56.558 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

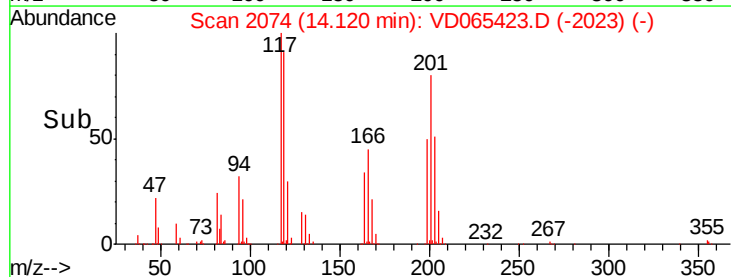
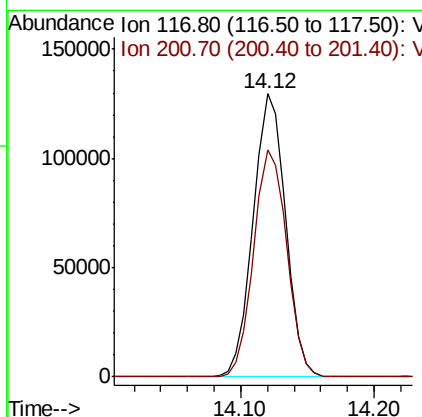
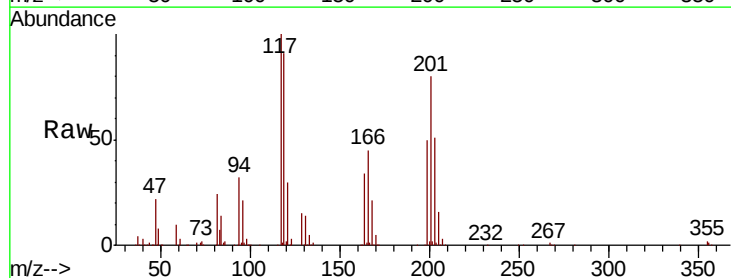
Instrument :
MSVOA_D
ClientSampleId :

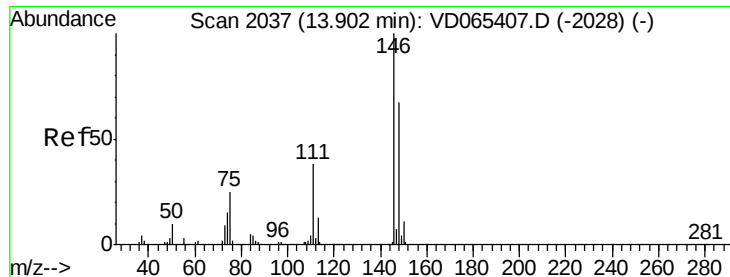
Tot Ion: 91 Resp: 1029074
Ion Ratio Lower Upper
91 100
92 54.7 26.8 80.4
134 27.3 13.4 40.2



#90
Hexachloroethane
Concen: 53.697 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 117 Resp: 217635
Ion Ratio Lower Upper
117 100
201 81.8 41.9 125.6

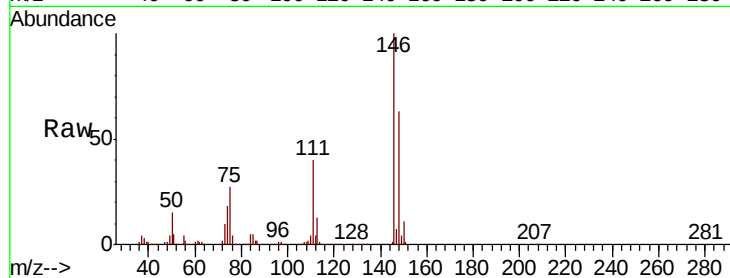




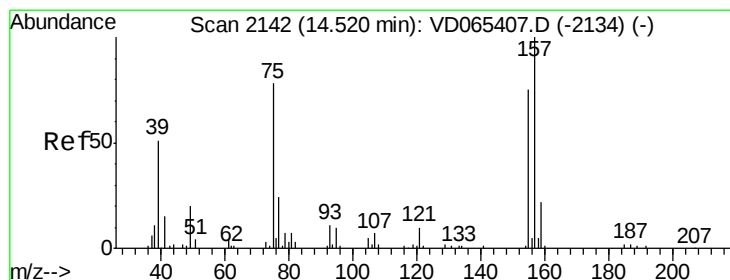
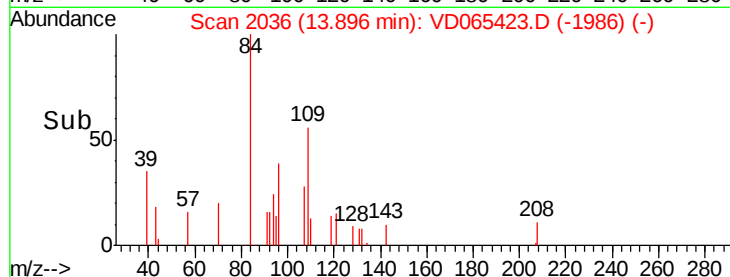
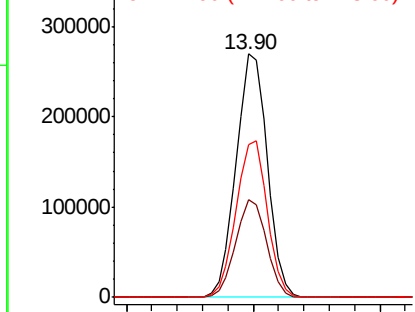
#91
 1,2-Dichlorobenzene
 Concen: 52.079 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	64.2	32.6	97.8

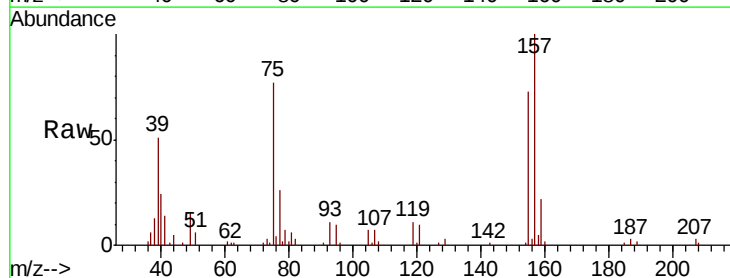


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

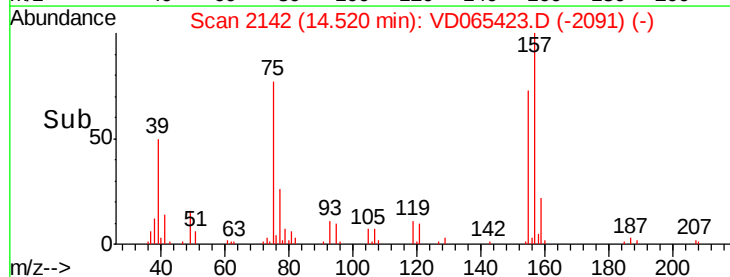
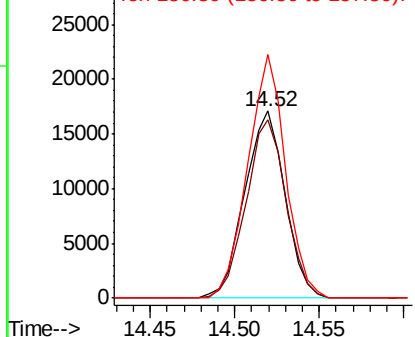


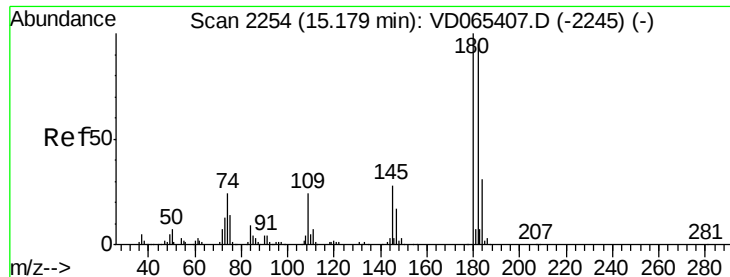
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.929 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	46.4	139.1
157	121.5	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

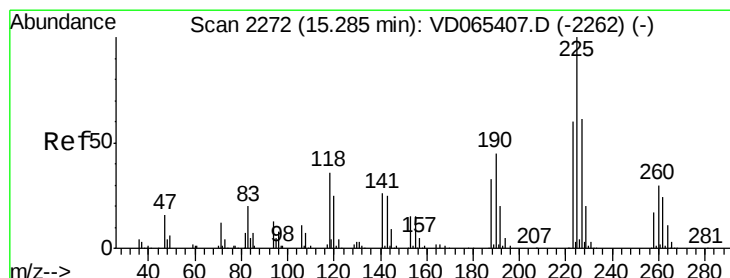
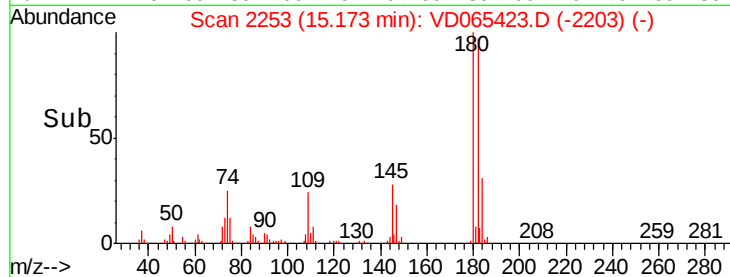
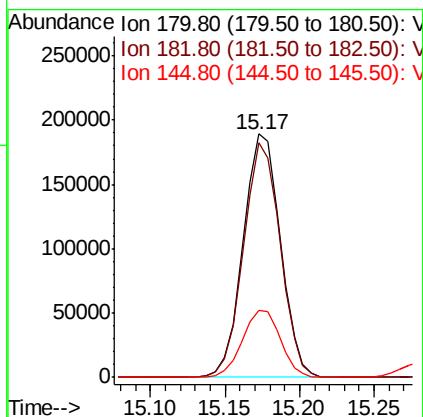
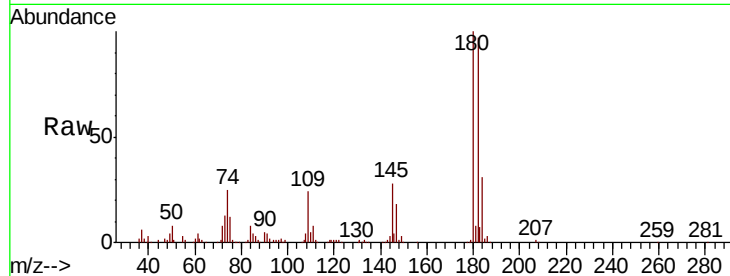




#93
 1,2,4-Trichlorobenzene
 Concen: 54.568 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

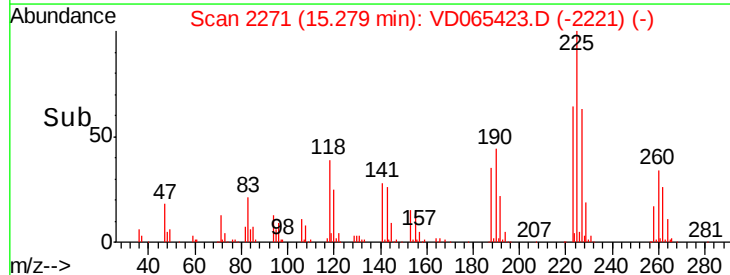
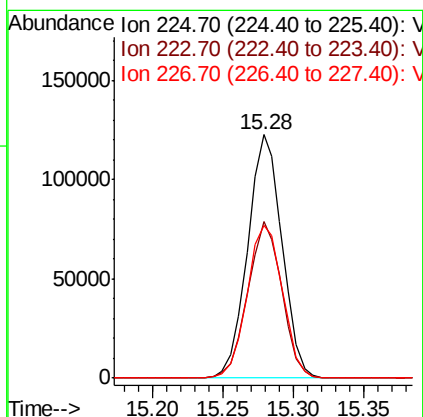
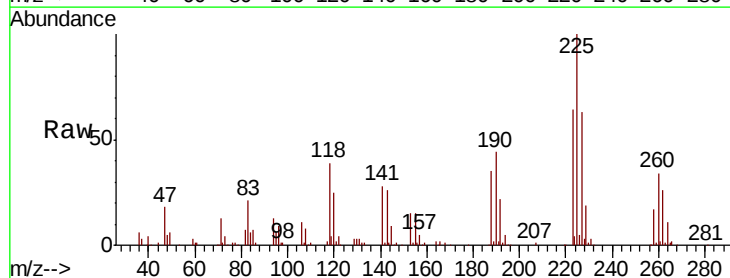
Instrument :
 MSVOA_D
 ClientSampleId :

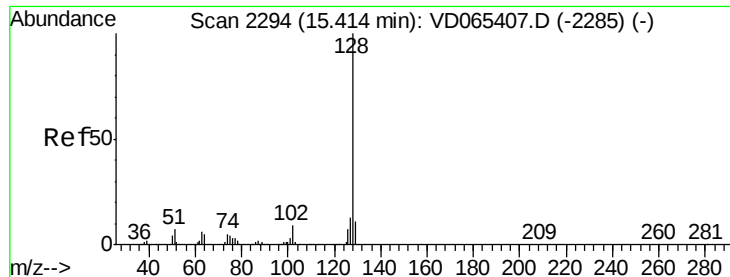
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.9
145	28.4	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 53.199 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.9	92.5
227	64.7	31.6	94.7

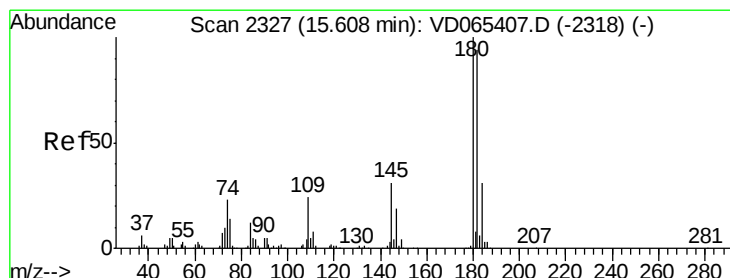
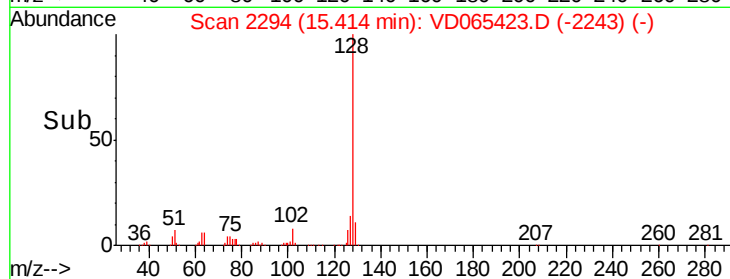
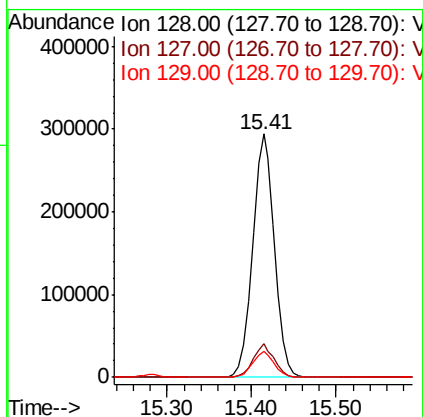
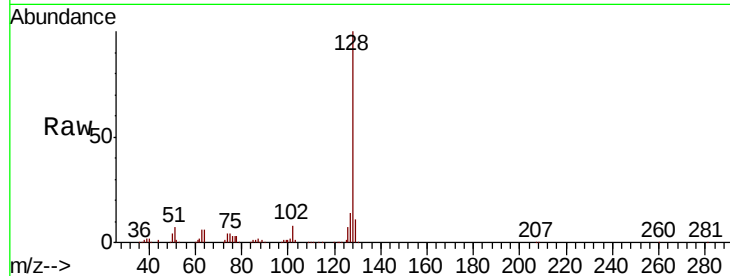




#95
Naphthalene
Concen: 49.445 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 526890
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.442 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:180 Resp: 281581
Ion Ratio Lower Upper
180 100
182 95.5 46.9 140.6
145 30.8 15.0 45.1

