

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065388.D
 Acq On : 03 Mar 2020 12:15
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 05:59:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206682	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.92	113	221038	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	10.34	98	824579	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	258627	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	14870	4.186	ug/l	100
3) Chloromethane	2.21	50	16088	3.558	ug/l	91
4) Vinyl Chloride	2.35	62	15432	3.357	ug/l	94
5) Bromomethane	2.78	94	11479	4.129	ug/l	99
6) Chloroethane	2.92	64	10245	3.651	ug/l #	87
7) Trichlorofluoromethane	3.27	101	25490	3.873	ug/l	98
8) Diethyl Ether	3.70	74	6757	3.401	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15682	3.773	ug/l	92
10) Methyl Iodide	4.29	142	12240	2.836	ug/l	96
11) Tert butyl alcohol	5.27	59	1519	6.672	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	14751	3.757	ug/l	99
13) Acrolein	3.93	56	3977	11.734	ug/l	99
14) Allyl chloride	4.71	41	19748	3.097	ug/l	92
15) Acrylonitrile	5.44	53	11270	12.812	ug/l	94
16) Acetone	4.17	43	14147	15.190	ug/l	97
17) Carbon Disulfide	4.40	76	47297	3.593	ug/l	99
18) Methyl Acetate	4.73	43	10073	4.809	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	22350	2.729	ug/l	100
20) Methylene Chloride	4.96	84	25178	5.326	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	15589	3.492	ug/l	84
22) Diisopropyl ether	6.36	45	30689	2.497	ug/l	97
23) Vinyl Acetate	6.31	43	52411	7.734	ug/l	98
24) 1,1-Dichloroethane	6.26	63	26636	3.493	ug/l	97
25) 2-Butanone	7.23	43	15367	13.041	ug/l	90
26) 2,2-Dichloropropane	7.21	77	21068	3.185	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	15181	3.211	ug/l	94
28) Bromochloromethane	7.54	49	10027	3.545	ug/l #	98
29) Tetrahydrofuran	7.57	42	8342	12.082	ug/l	93
30) Chloroform	7.71	83	28083	3.656	ug/l	99
31) Cyclohexane	7.99	56	29448	3.931	ug/l #	69
32) 1,1,1-Trichloroethane	7.91	97	24892	3.622	ug/l	97
36) 1,1-Dichloropropene	8.11	75	18453	2.915	ug/l	99
37) Ethyl Acetate	7.30	43	6999	2.645	ug/l #	79
38) Carbon Tetrachloride	8.10	117	22795	3.537	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	23143	3.109	ug/l	97
40) Benzene	8.36	78	58827	3.292	ug/l	96
41) Methacrylonitrile	7.53	41	3880	2.539	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	16298	3.318	ug/l	99
43) Isopropyl Acetate	8.46	43	11554	2.401	ug/l	93
44) Trichloroethene	9.11	130	17479	3.529	ug/l	93
45) 1,2-Dichloropropane	9.39	63	14917	3.357	ug/l	97
46) Dibromomethane	9.48	93	7113	3.111	ug/l	91
47) Bromodichloromethane	9.67	83	19508	3.238	ug/l	94
48) Methyl methacrylate	9.46	41	4980	2.239	ug/l	89
49) 1,4-Dioxane	9.47	88	1123	41.882	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	28797	11.781	ug/l	93
52) Toluene	10.40	92	38178	3.452	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	16620	2.976	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	19385	2.875	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	10583	3.289	ug/l	91
56) Ethyl methacrylate	10.66	69	8363	2.252	ug/l	97
57) 1,3-Dichloropropane	10.95	76	15016	2.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	17893	15.281	ug/l	96
59) 2-Hexanone	10.99	43	19079	10.903	ug/l	99
60) Dibromochloromethane	11.14	129	13208	3.207	ug/l	96
61) 1,2-Dibromoethane	11.26	107	9302	3.053	ug/l	96
64) Tetrachloroethene	10.88	164	16094	3.848	ug/l	95
65) Chlorobenzene	11.67	112	40606	3.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12991	2.942	ug/l	96
67) Ethyl Benzene	11.75	91	62713	3.026	ug/l	100
68) m/p-Xylenes	11.86	106	43416	5.475	ug/l	98
69) o-Xylene	12.18	106	18832	2.681	ug/l	90
70) Styrene	12.20	104	32633	2.616	ug/l	96
71) Bromoform	12.37	173	8017	3.272	ug/l #	97
73) Isopropylbenzene	12.48	105	52943	2.773	ug/l	99
74) N-amyl acetate	12.30	43	9080	2.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	11968	3.473	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	14191	5.783	ug/l #	100
77) Bromobenzene	12.77	156	14835	3.129	ug/l	98
78) n-propylbenzene	12.83	91	64520	2.812	ug/l	98
79) 2-Chlorotoluene	12.91	91	34311	2.669	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	45481	2.892	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.64	75	128210	112.809	ug/l #	11
82) 4-Chlorotoluene	13.01	91	36381	2.666	ug/l	100
83) tert-Butylbenzene	13.23	119	32942	2.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	41927	2.663	ug/l	97
85) sec-Butylbenzene	13.41	105	48690	2.564	ug/l	98
86) p-Isopropyltoluene	13.53	119	41388	2.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	30323	3.308	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31868	3.523	ug/l	91
89) n-Butylbenzene	13.86	91	43250	2.702	ug/l	95
90) Hexachloroethane	14.12	117	11063	3.137	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	26708	3.393	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1702	3.205	ug/l	94

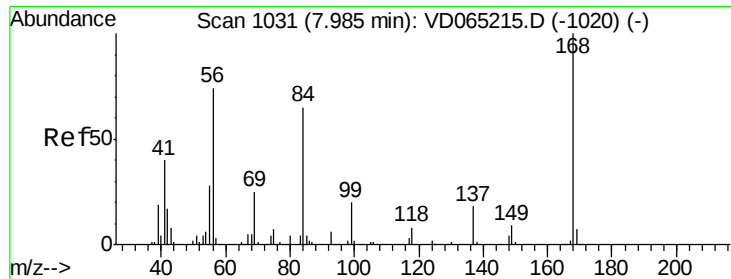
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	16230	3.152	ug/l	96
94) Hexachlorobutadiene	15.28	225	10381	3.143	ug/l	97
95) Naphthalene	15.41	128	21771	2.601	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	15872	3.530	ug/l	100

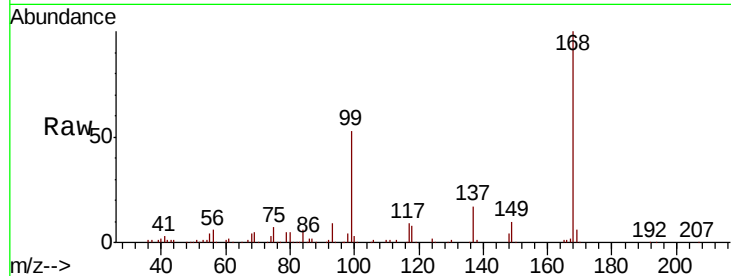
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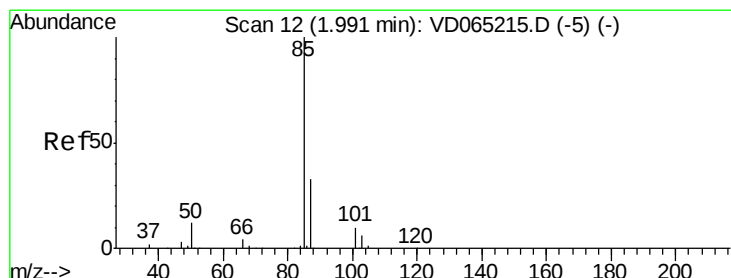
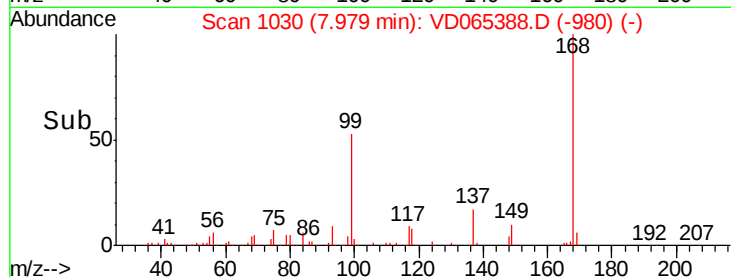
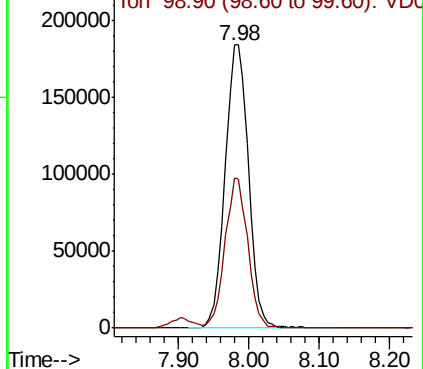
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 423519
Ion Ratio Lower Upper
168 100
99 52.9 41.4 62.2

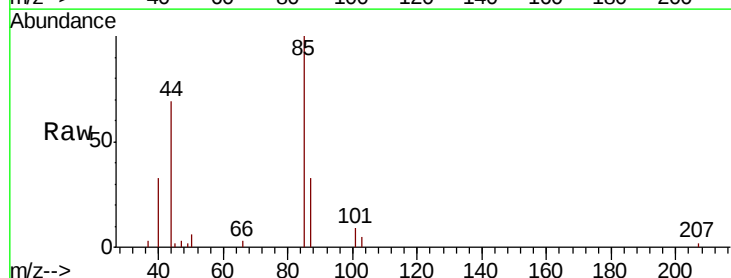


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

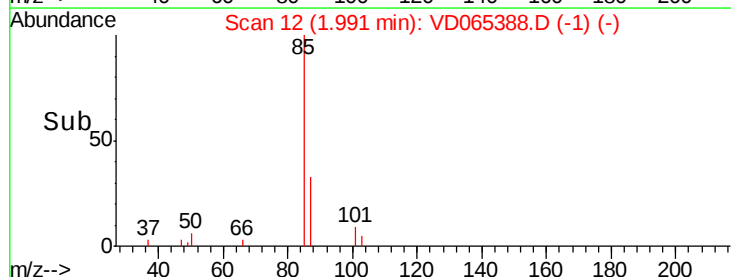
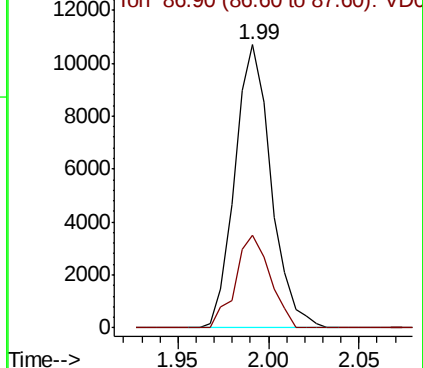


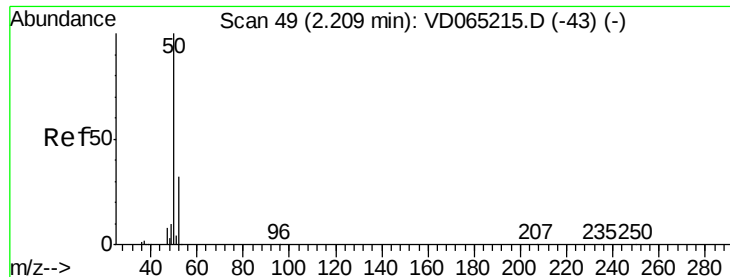
#2
Dichlorodifluoromethane
Concen: 4.186 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 85 Resp: 14870
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: 3.558 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

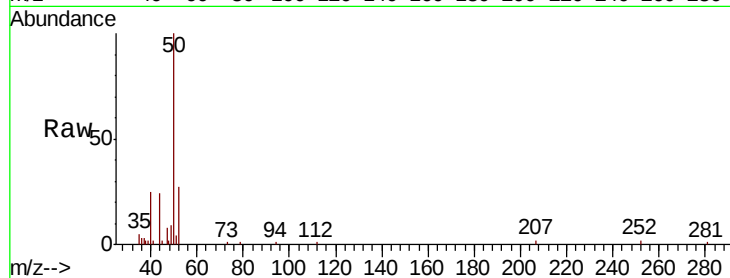
ClientSampled :

Tot Ion: 50 Resp: 16088

Ion Ratio Lower Upper

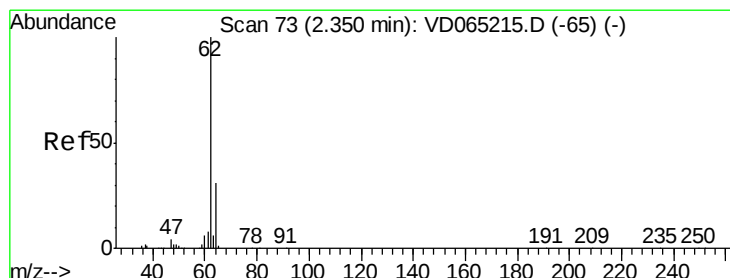
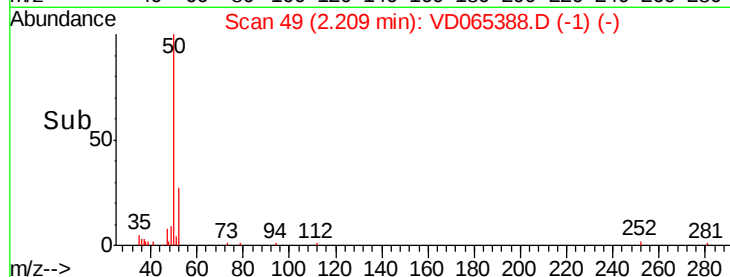
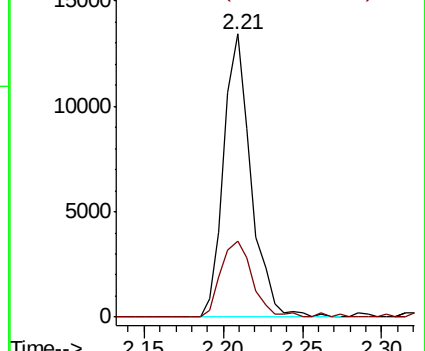
50 100

52 26.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065388.D

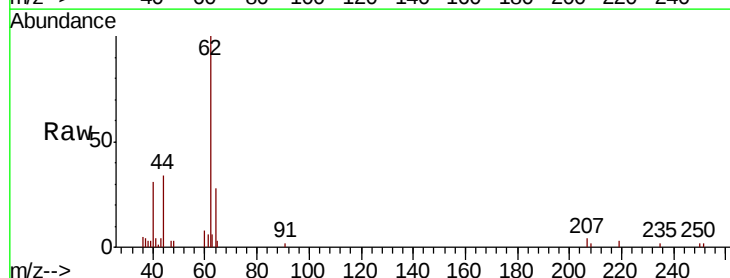
Acq: 03 Mar 2020 12:15

Tgt Ion: 62 Resp: 15432

Ion Ratio Lower Upper

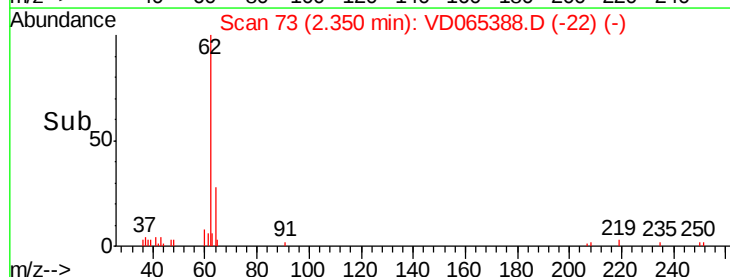
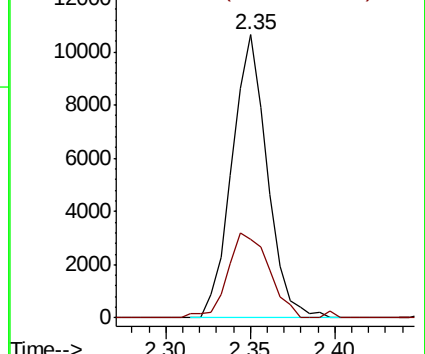
62 100

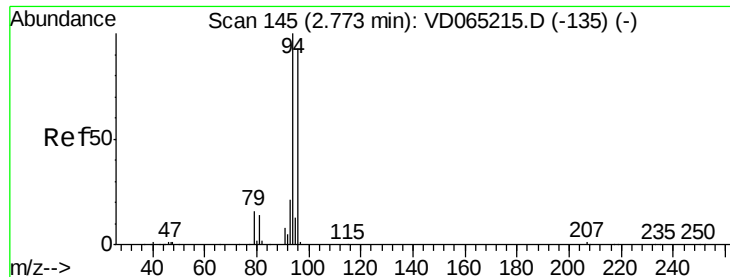
64 27.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.129 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

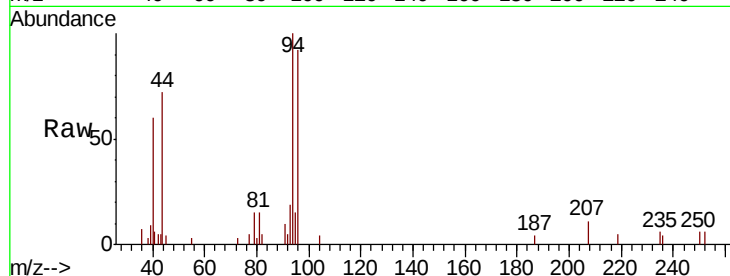
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 11479

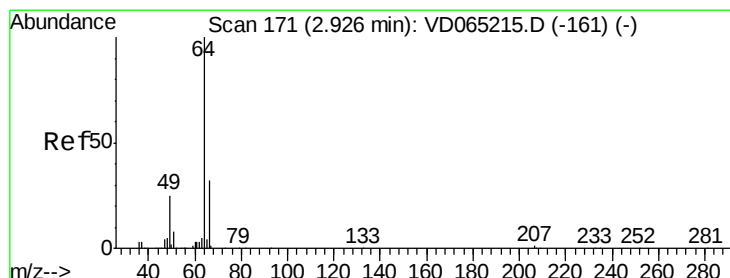
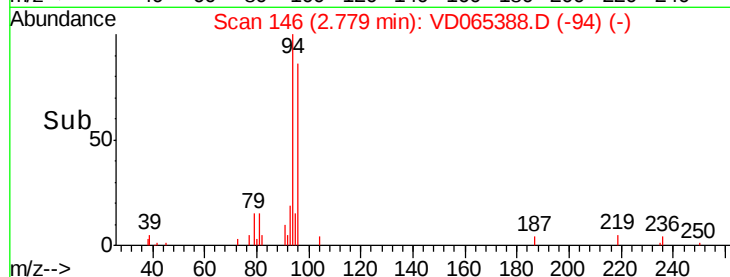
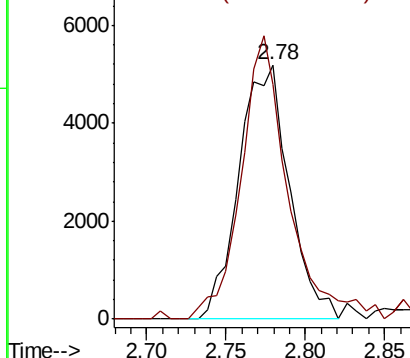
Ion Ratio Lower Upper

94 100

96 92.2 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 3.651 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065388.D

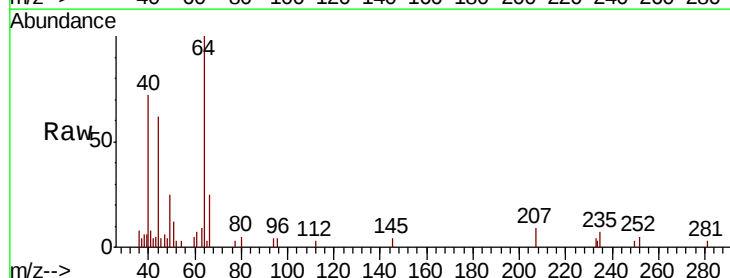
Acq: 03 Mar 2020 12:15

Tgt Ion: 64 Resp: 10245

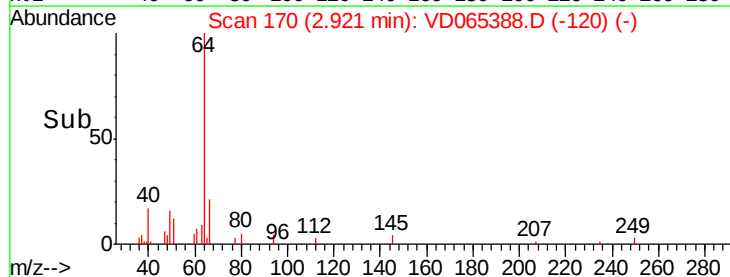
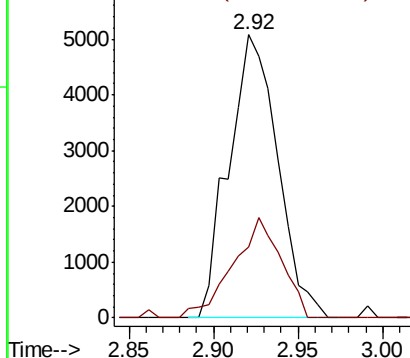
Ion Ratio Lower Upper

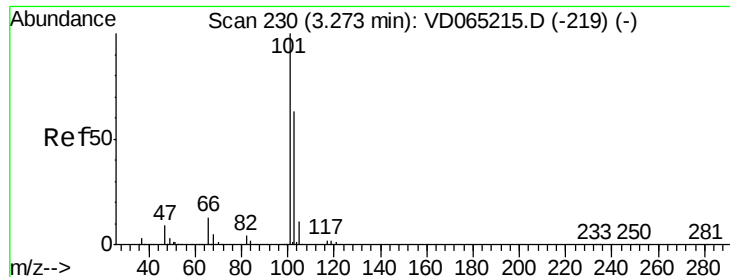
64 100

66 25.1 25.7 38.5#



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



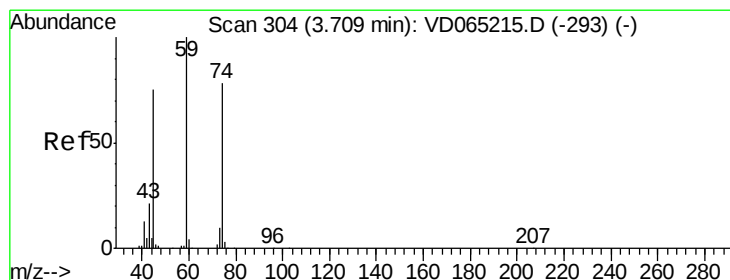
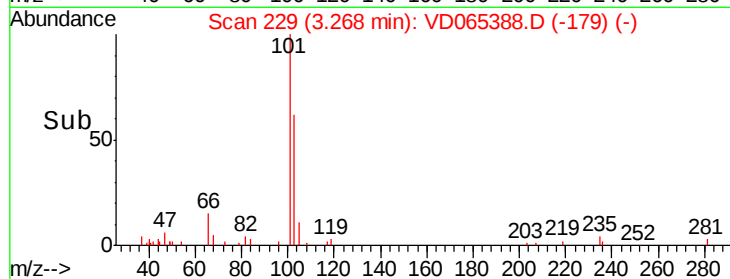
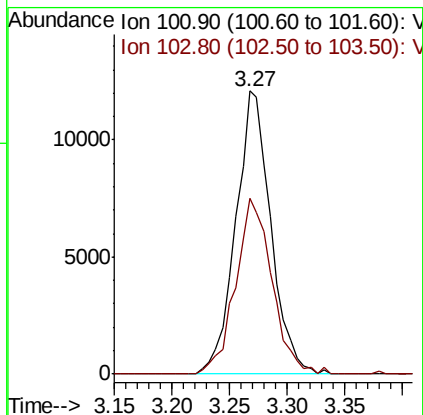
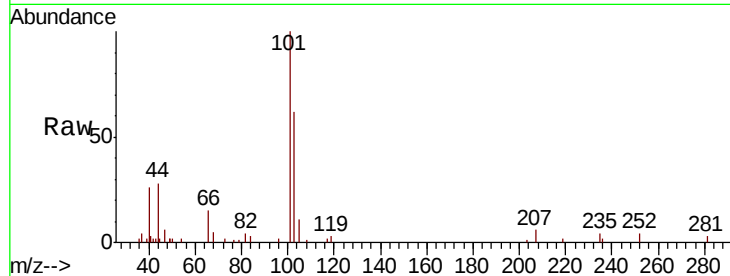


#7

Trichlorofluoromethane
 Concen: 3.873 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

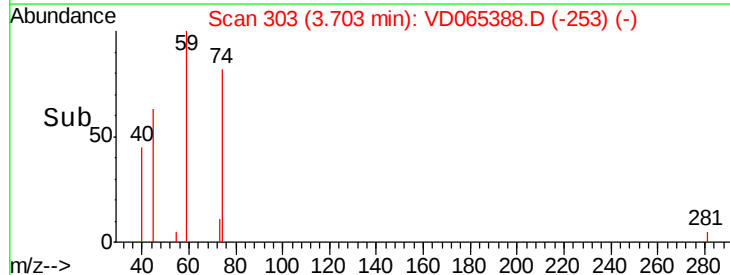
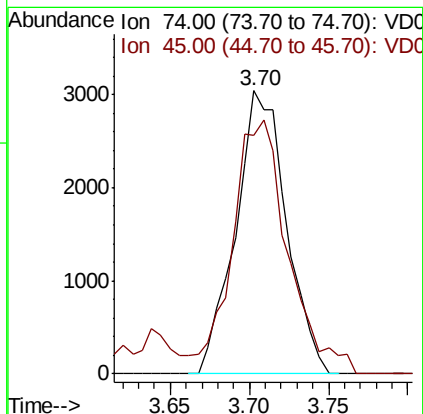
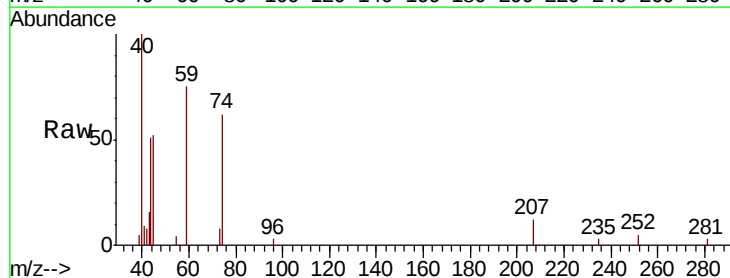
Tot Ion:101 Resp: 25490
 Ion Ratio Lower Upper
 101 100
 103 62.2 50.7 76.1



#8

Diethyl Ether
 Concen: 3.401 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 74 Resp: 6757
 Ion Ratio Lower Upper
 74 100
 45 98.4 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.773 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

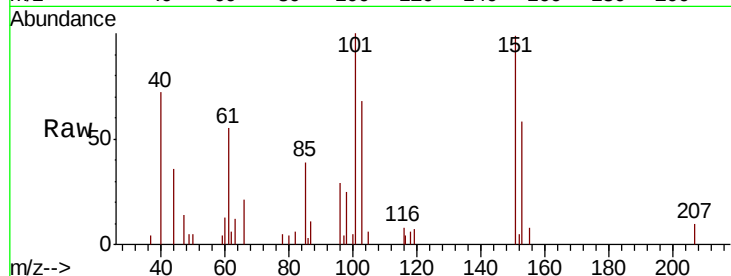
Tot Ion:101 Resp: 15682

Ion Ratio Lower Upper

101 100

85 39.4 34.2 51.2

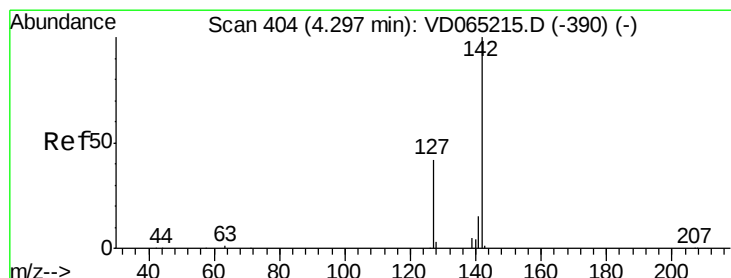
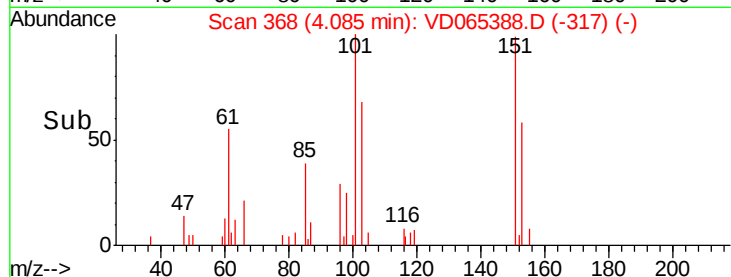
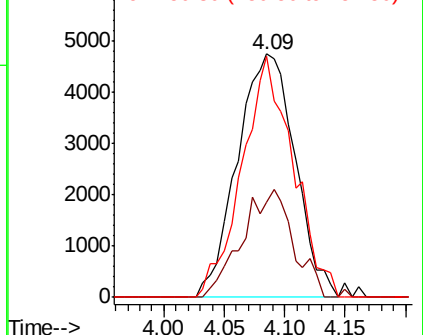
151 88.4 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.836 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

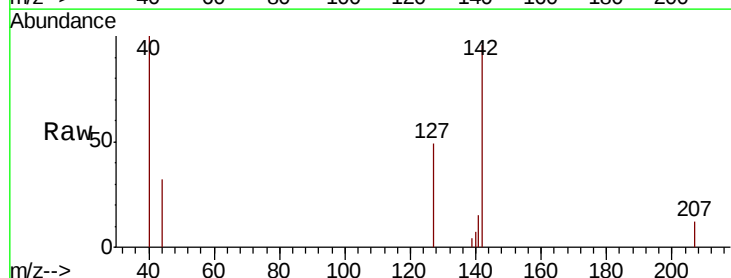
Tgt Ion:142 Resp: 12240

Ion Ratio Lower Upper

142 100

127 44.5 33.8 50.8

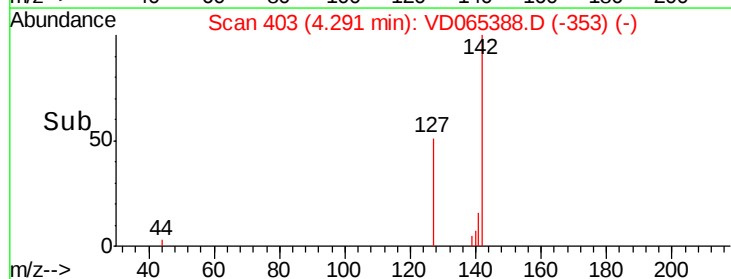
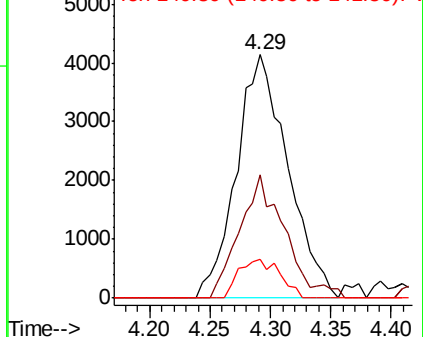
141 12.7 11.7 17.5

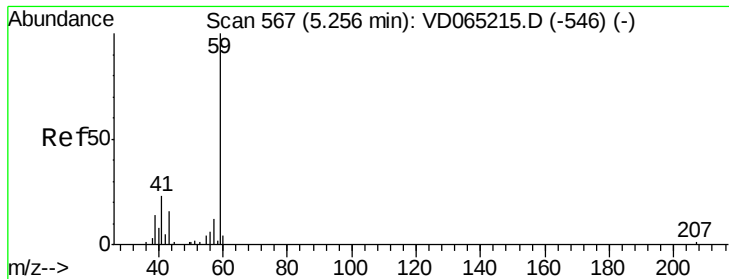


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



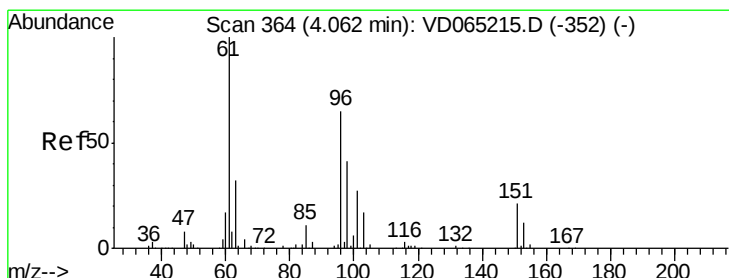
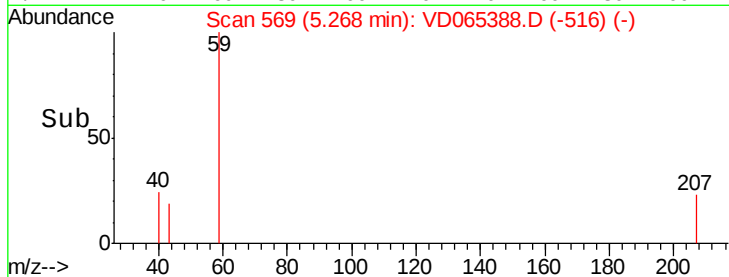
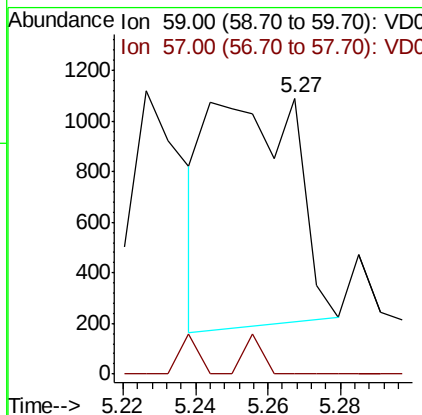
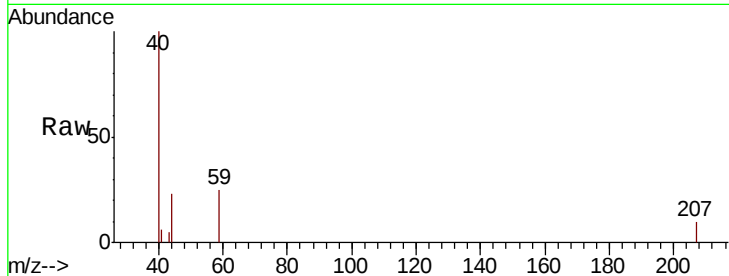


#11

Tert butyl alcohol
Concen: 6.672 ug/l
RT: 5.27 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :

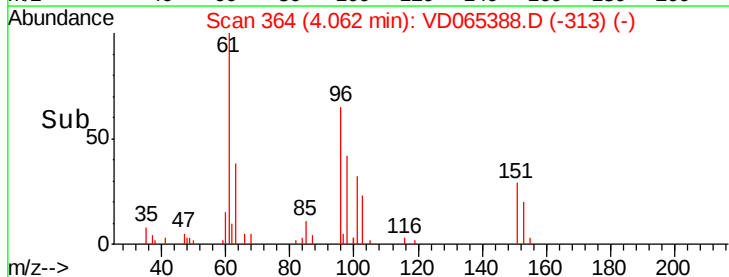
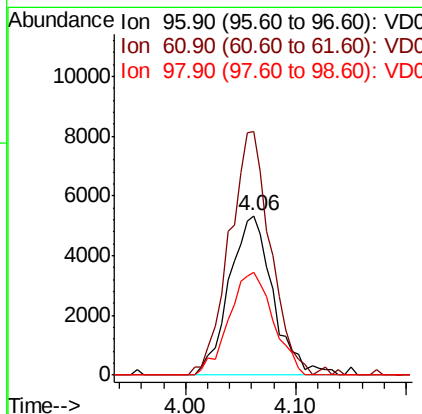
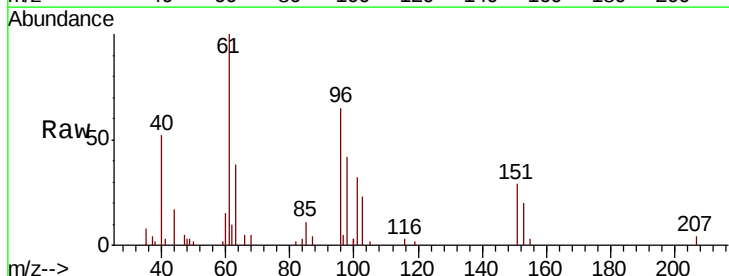
Tot Ion: 59 Resp: 1519
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

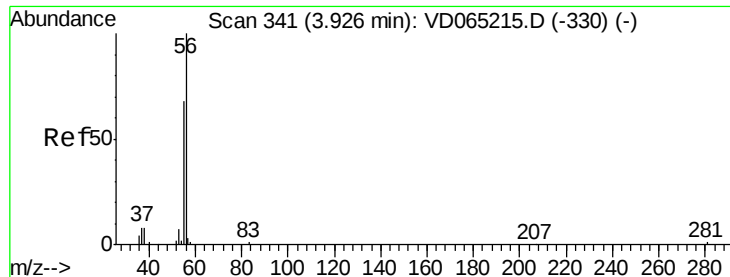


#12

1,1-Dichloroethene
Concen: 3.757 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 96 Resp: 14751
Ion Ratio Lower Upper
96 100
61 153.0 123.3 184.9
98 64.6 51.0 76.4





#13

Acrolein

Concen: 11.734 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

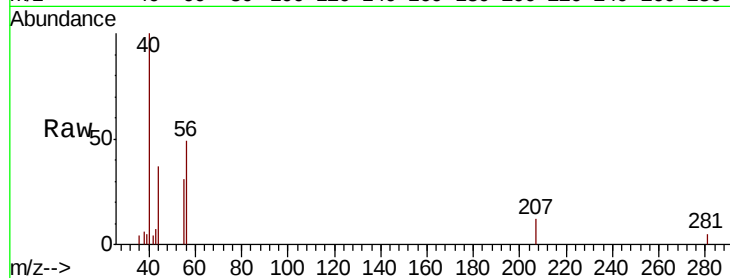
ClientSampled :

Tot Ion: 56 Resp: 3977

Ion Ratio Lower Upper

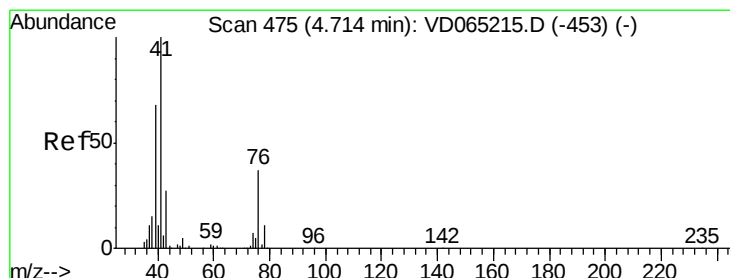
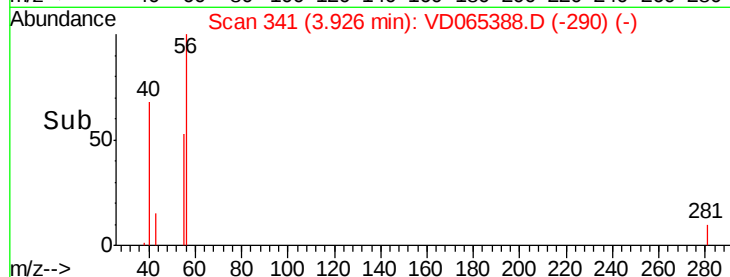
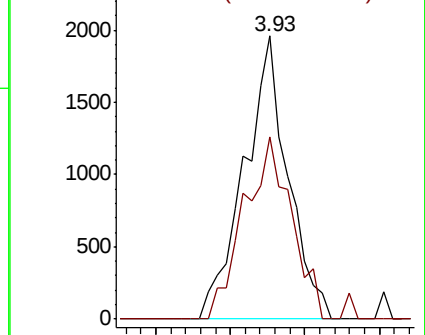
56 100

55 69.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.097 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

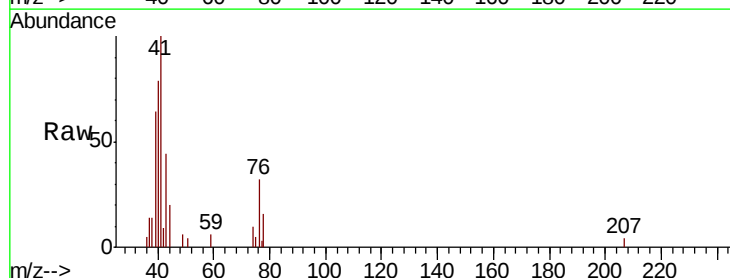
Tgt Ion: 41 Resp: 19748

Ion Ratio Lower Upper

41 100

39 60.7 53.8 80.6

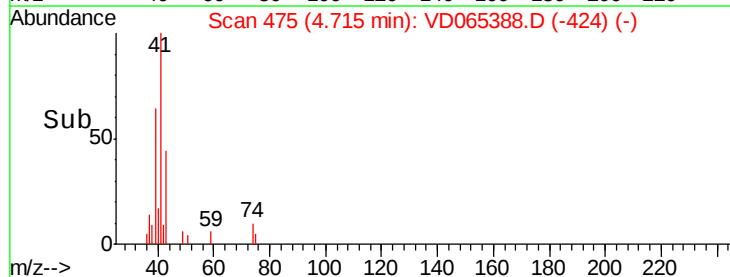
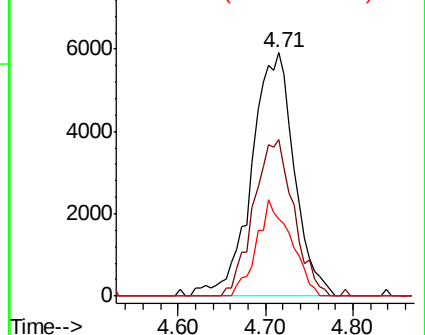
76 32.1 28.7 43.1

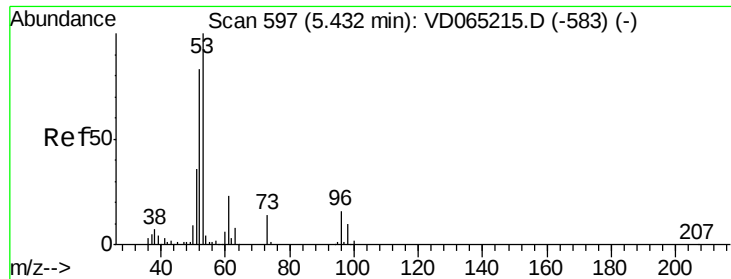


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 12.812 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

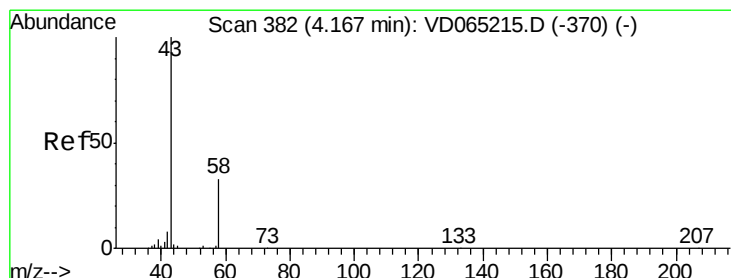
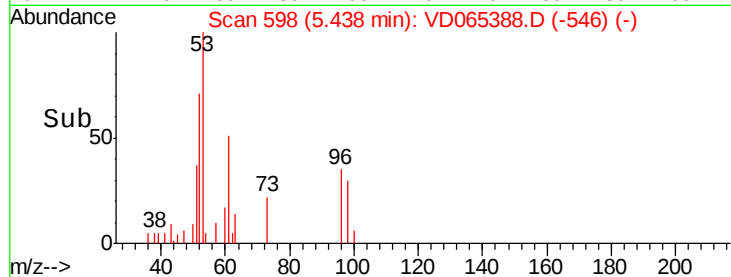
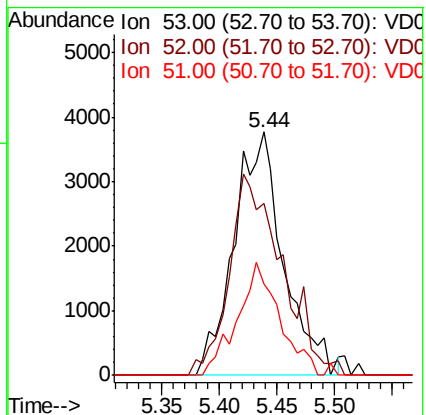
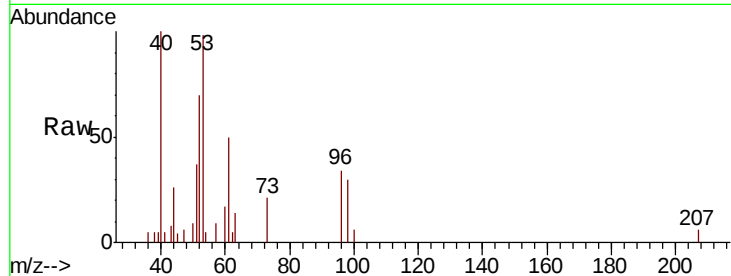
Tot Ion: 53 Resp: 11270

Ion Ratio Lower Upper

53 100

52 87.7 65.4 98.2

51 39.3 29.5 44.3



#16

Acetone

Concen: 15.190 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065388.D

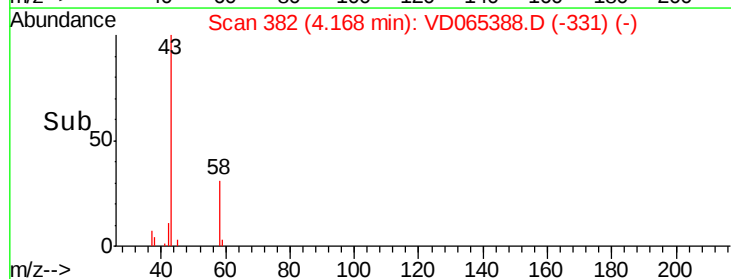
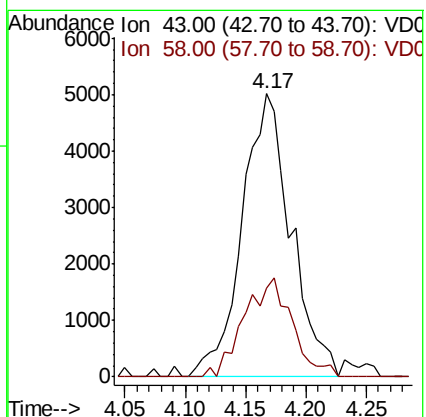
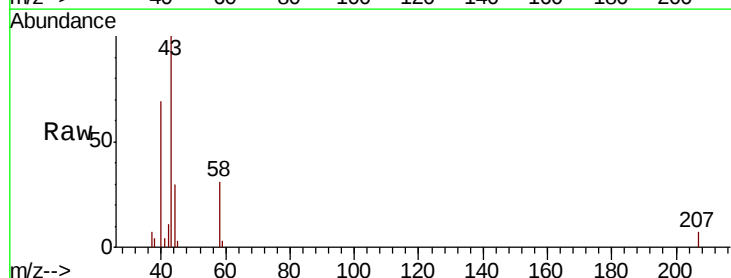
Acq: 03 Mar 2020 12:15

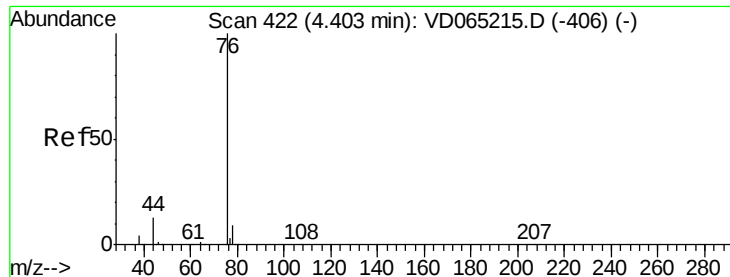
Tgt Ion: 43 Resp: 14147

Ion Ratio Lower Upper

43 100

58 31.3 26.2 39.2

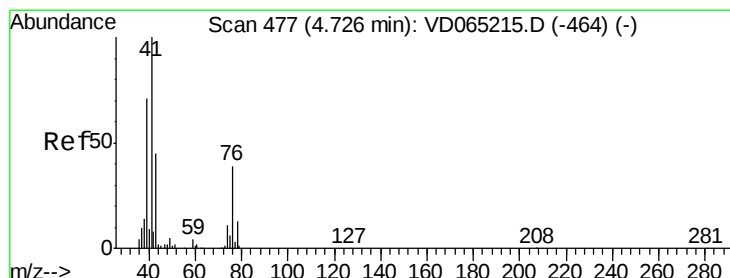
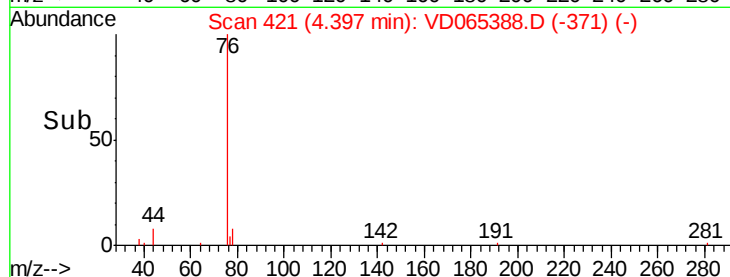
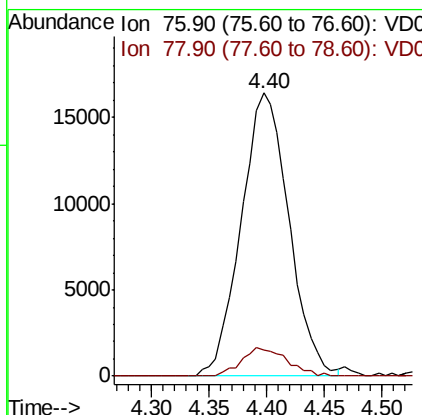
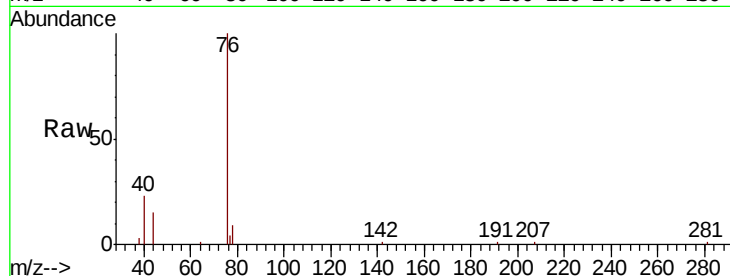




#17
Carbon Disulfide
Concen: 3.593 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

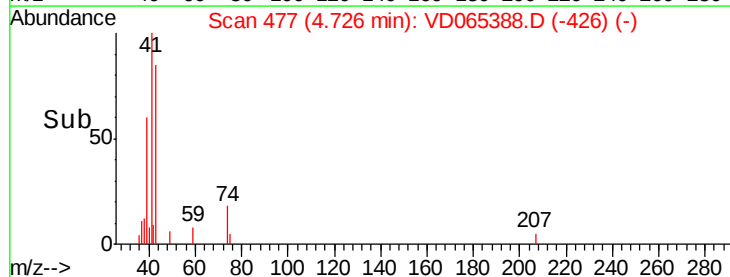
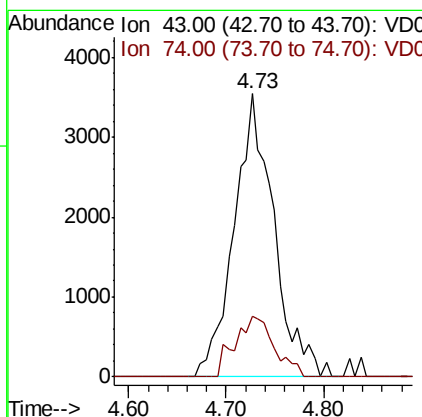
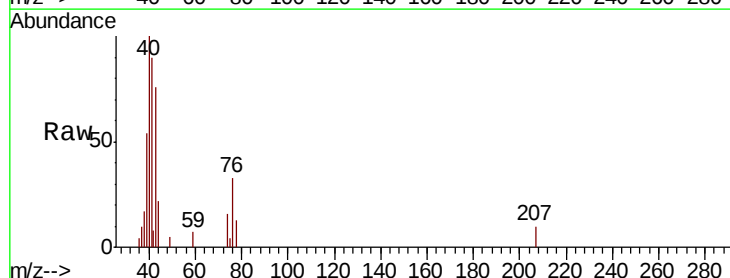
Instrument :
MSVOA_D
ClientSampleId :

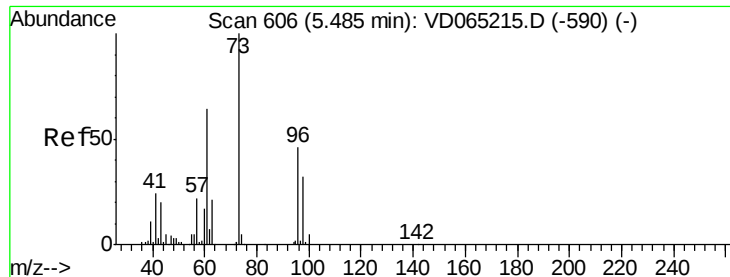
Tot Ion: 76 Resp: 47297
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 4.809 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 43 Resp: 10073
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2

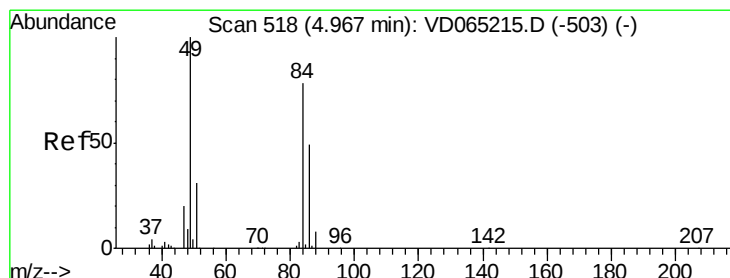
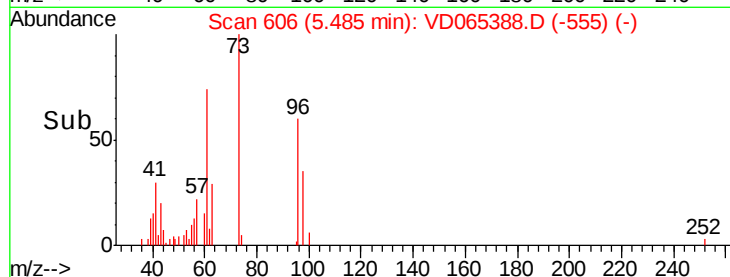
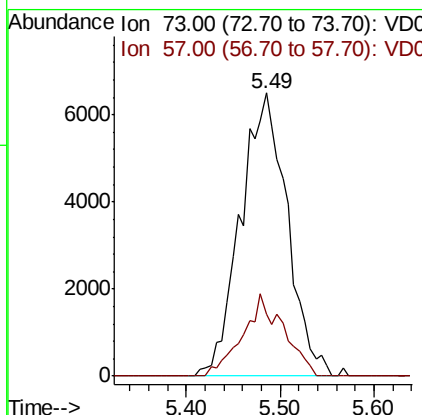
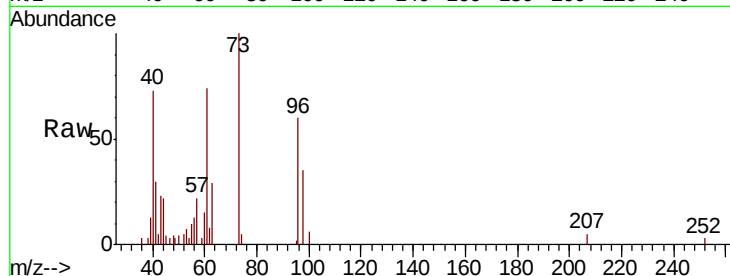




#19
Methyl tert-butyl Ether
Concen: 2.729 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

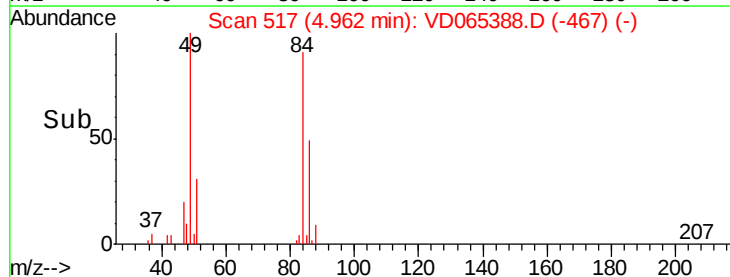
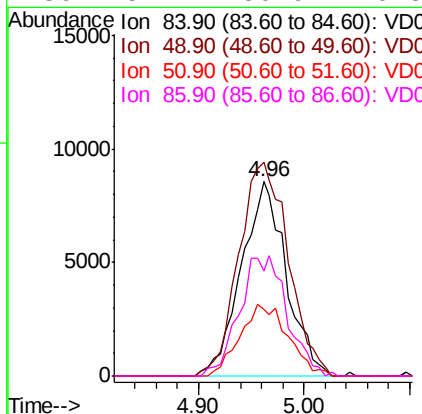
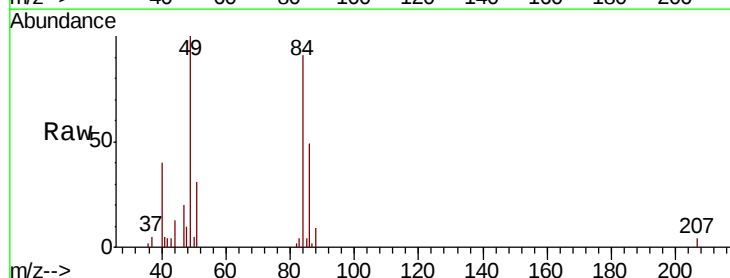
Instrument :
MSVOA_D
ClientSampleId :

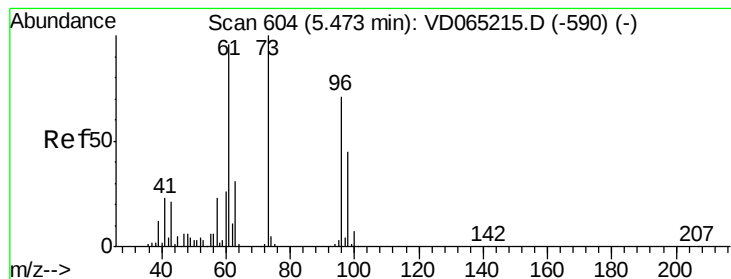
Tot Ion: 73 Resp: 22350
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 5.326 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 84 Resp: 25178
Ion Ratio Lower Upper
84 100
49 110.1 103.1 154.7
51 34.2 31.7 47.5
86 54.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 3.492 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :

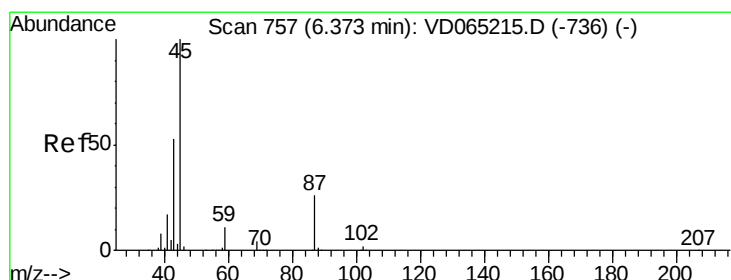
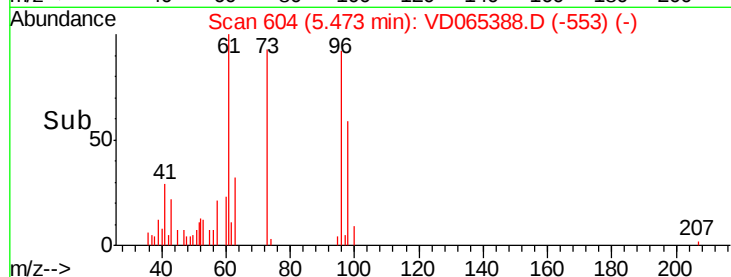
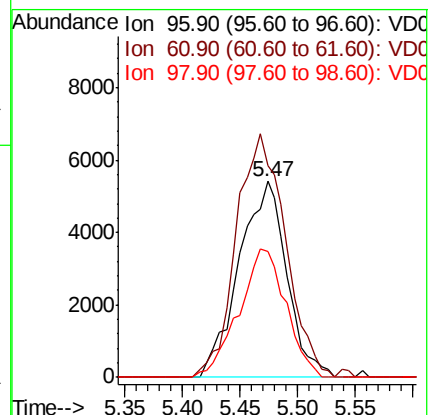
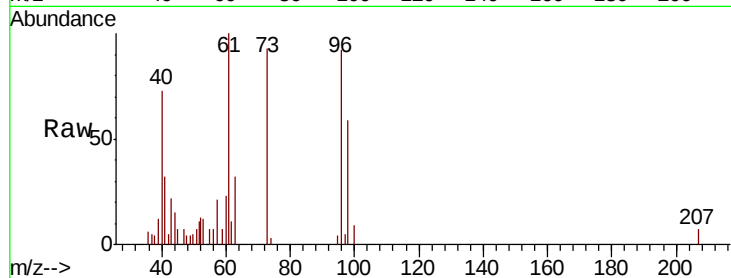
Tot Ion: 96 Resp: 15589

Ion Ratio Lower Upper

96 100

61 108.3 108.3 162.5

98 64.1 50.7 76.1



#22

Diisopropyl ether

Concen: 2.497 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion: 45 Resp: 30689

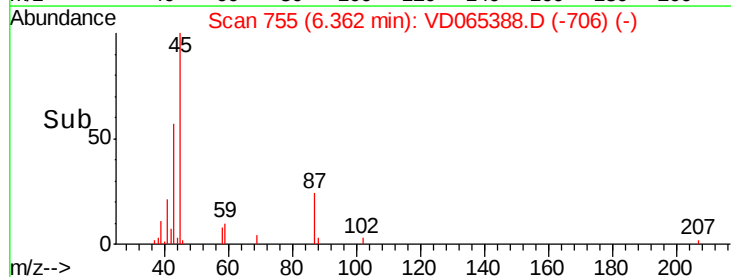
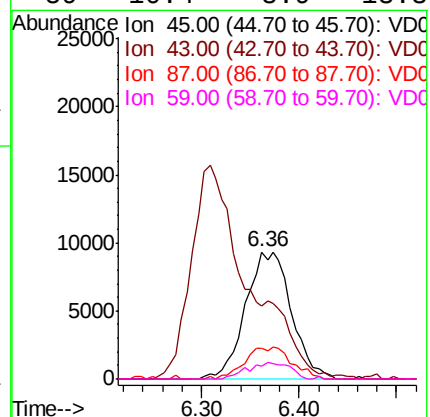
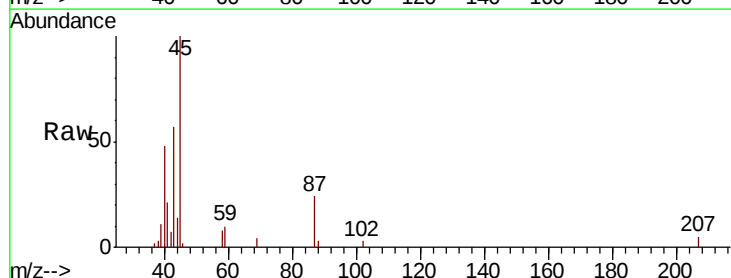
Ion Ratio Lower Upper

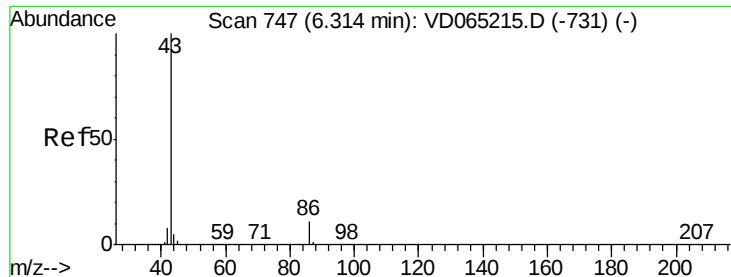
45 100

43 54.4 42.6 64.0

87 24.0 21.2 31.8

59 10.4 8.9 13.3





#23

Vinyl Acetate

Concen: 7.734 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

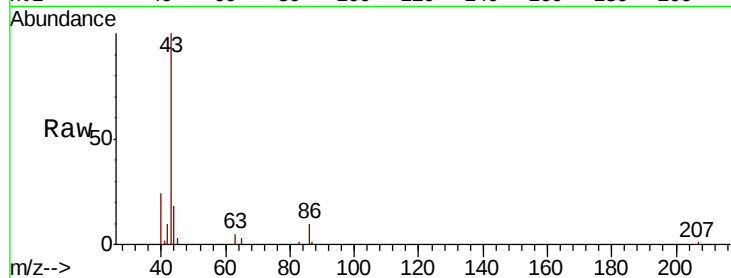
ClientSampleId :

Tot Ion: 43 Resp: 52411

Ion Ratio Lower Upper

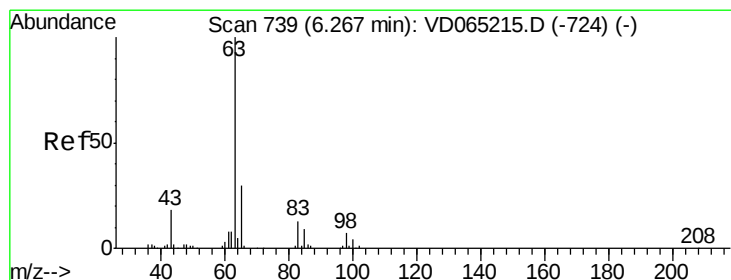
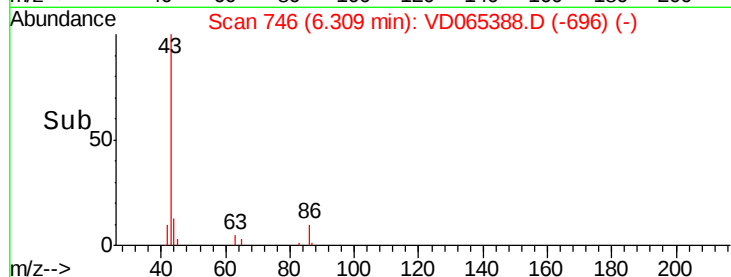
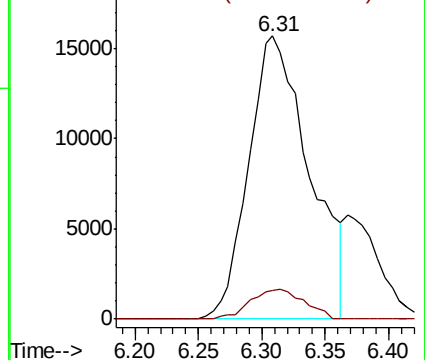
43 100

86 9.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 3.493 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

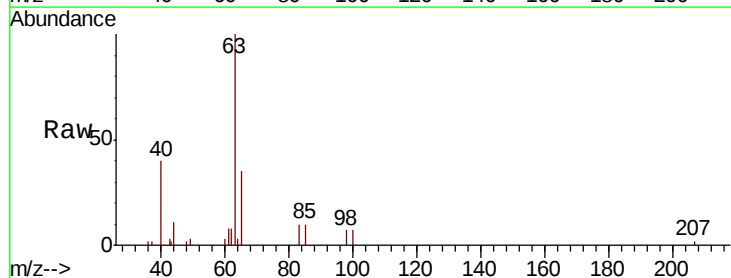
Tgt Ion: 63 Resp: 26636

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

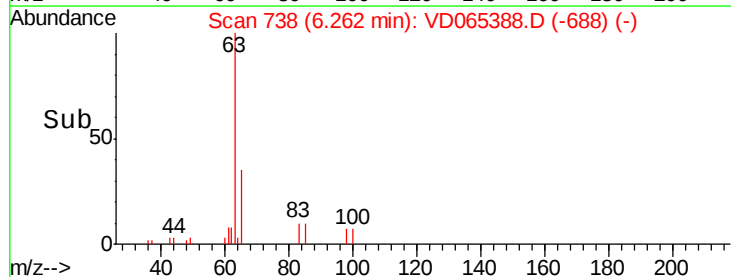
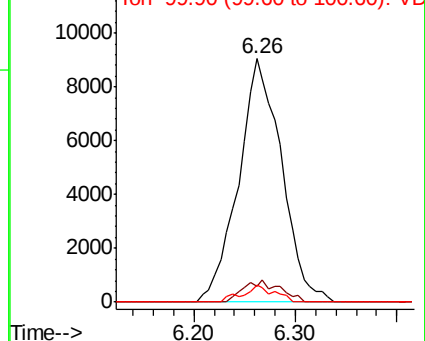
100 6.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 13.041 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

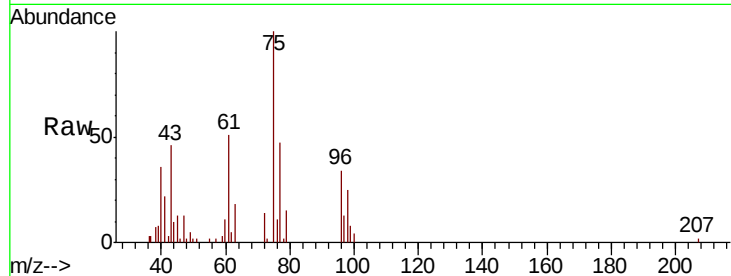
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 15367

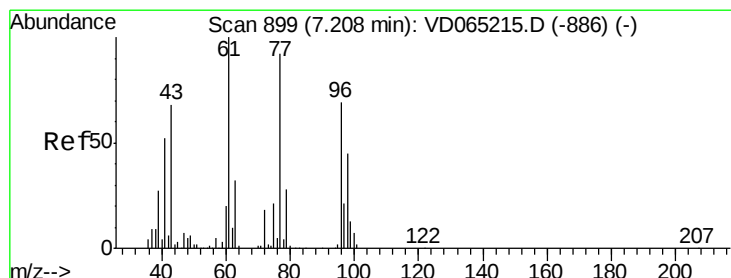
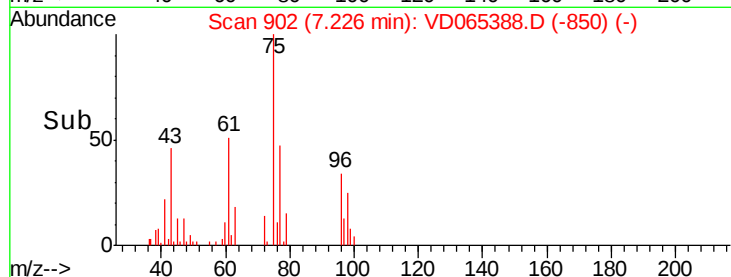
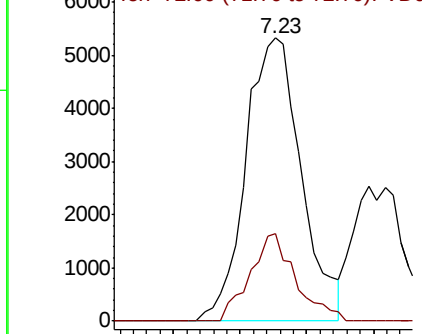
Ion Ratio Lower Upper

43 100

72 31.0 20.9 31.3



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



#26

2,2-Dichloropropane

Concen: 3.185 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065388.D

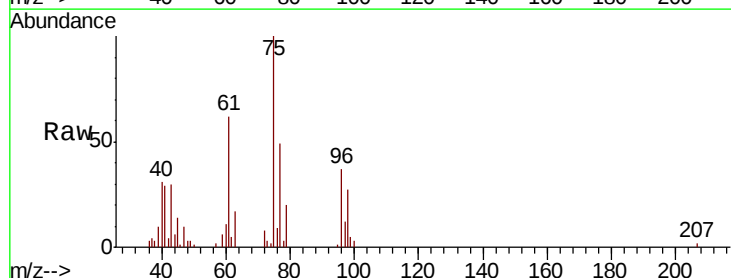
Acq: 03 Mar 2020 12:15

Tgt Ion: 77 Resp: 21068

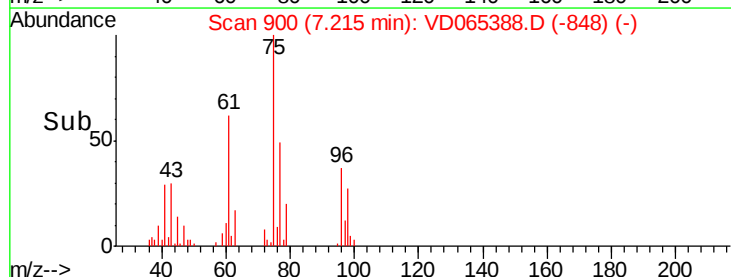
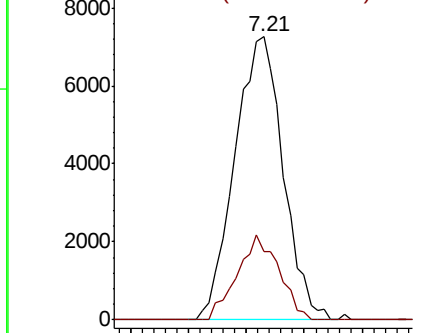
Ion Ratio Lower Upper

77 100

97 25.8 11.7 35.1



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



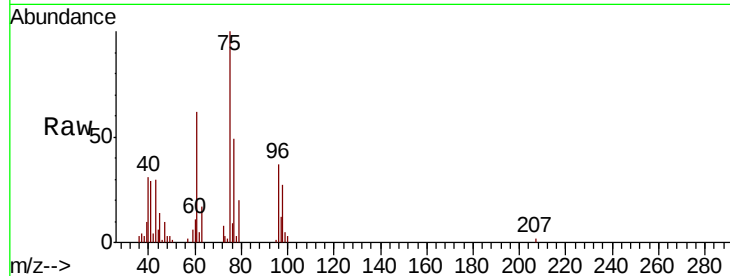


#27

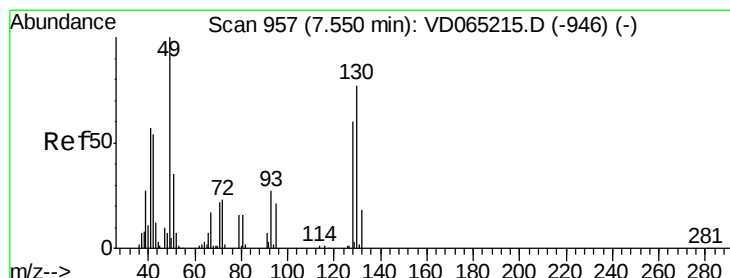
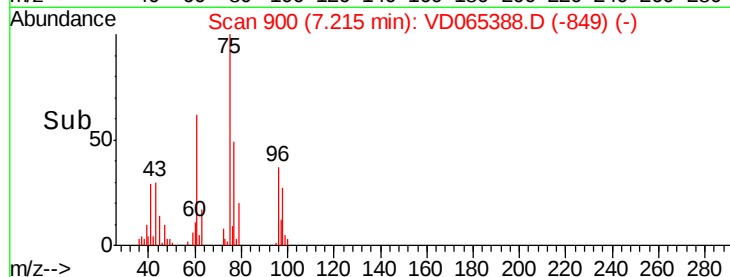
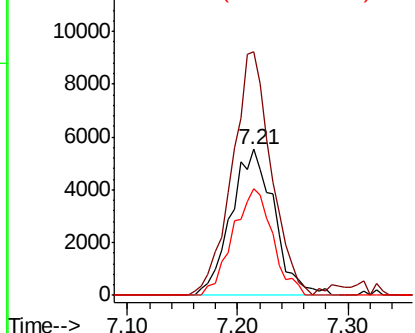
cis-1,2-Dichloroethene
Concen: 3.211 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 15181
Ion Ratio Lower Upper
96 100
61 151.0 0.0 286.0
98 66.9 0.0 127.8



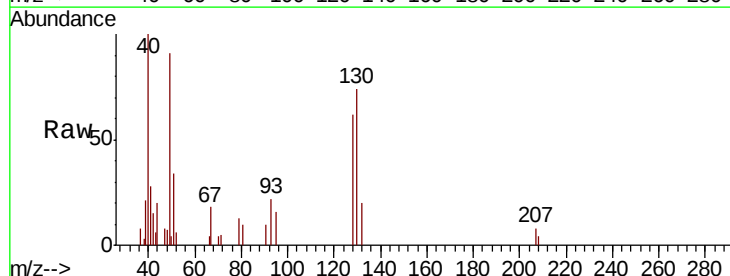
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



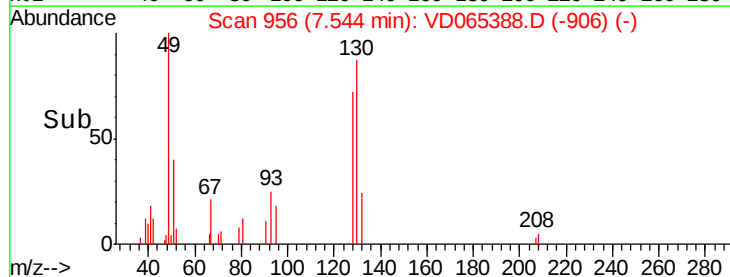
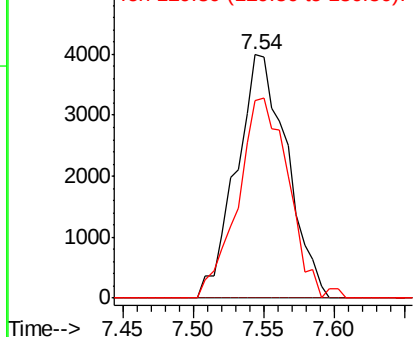
#28

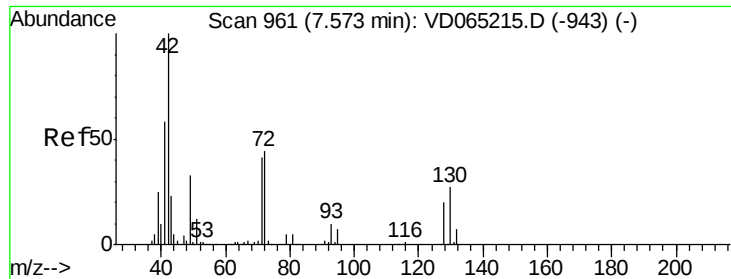
Bromochloromethane
Concen: 3.545 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 49 Resp: 10027
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 82.3 64.7 97.1



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

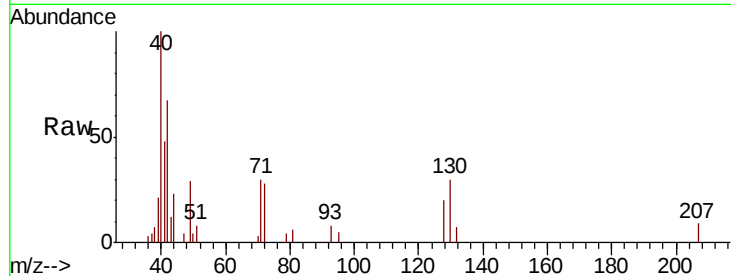




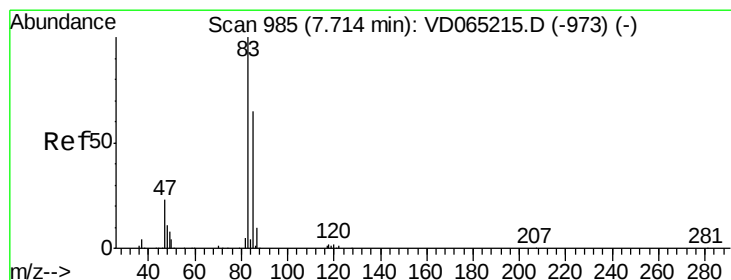
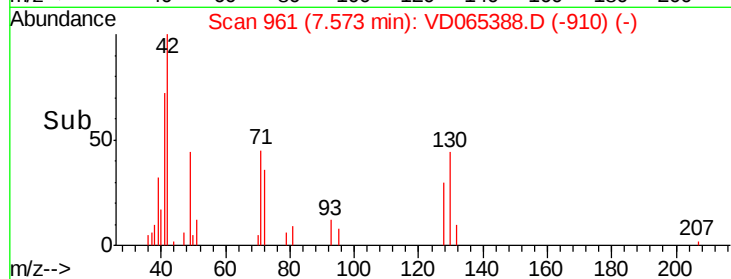
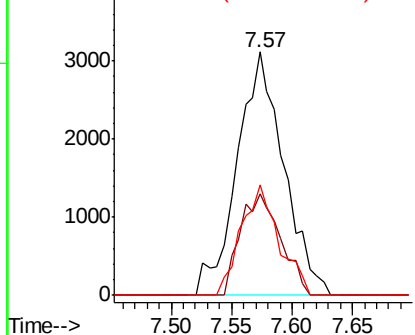
#29
Tetrahydrofuran
Concen: 12.082 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 8342
Ion Ratio Lower Upper
42 100
72 36.4 33.7 50.5
71 36.8 31.4 47.2

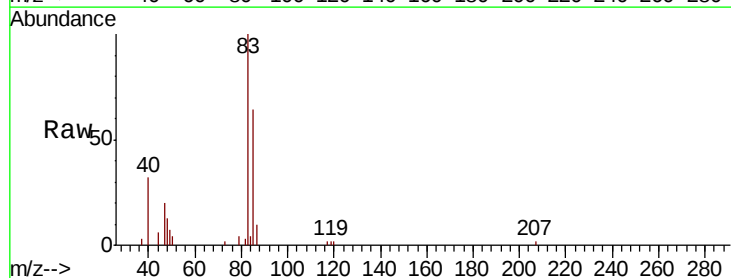


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

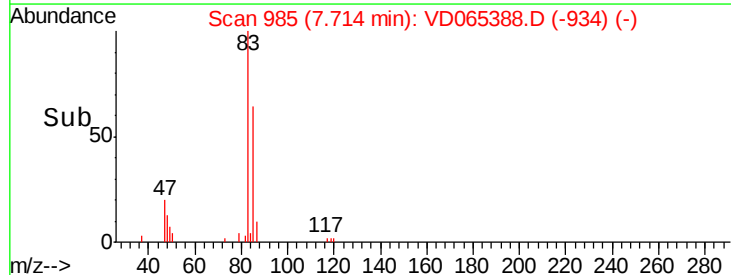
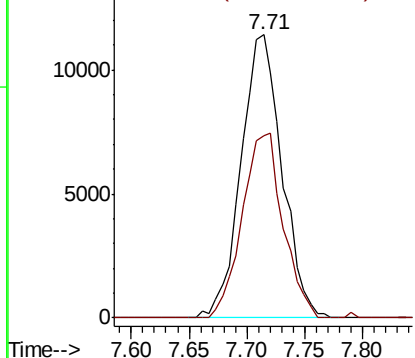


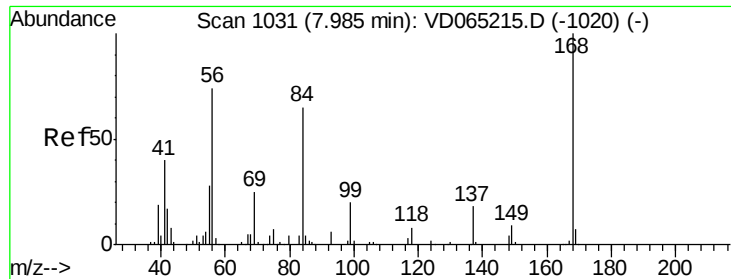
#30
Chloroform
Concen: 3.656 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 83 Resp: 28083
Ion Ratio Lower Upper
83 100
85 64.3 52.3 78.5



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

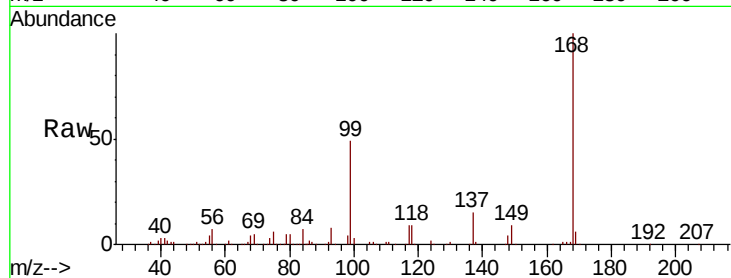




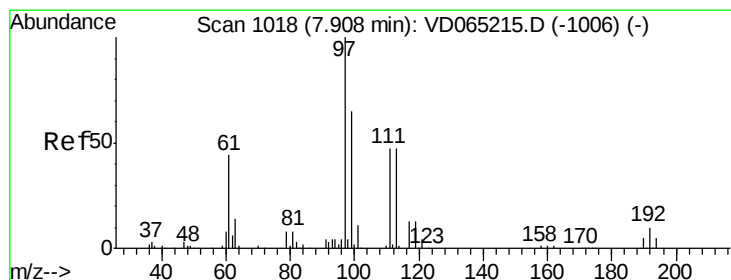
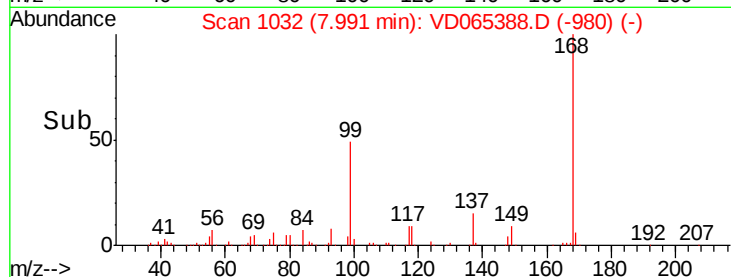
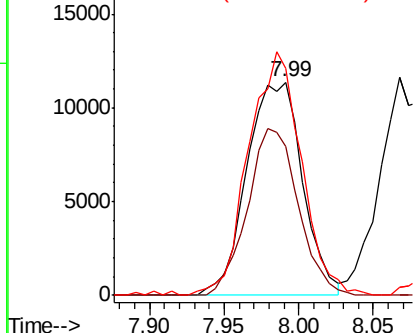
#31
Cyclohexane
Concen: 3.931 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 29448
Ion Ratio Lower Upper
56 100
69 69.6 27.4 41.0#
84 106.6 71.1 106.7

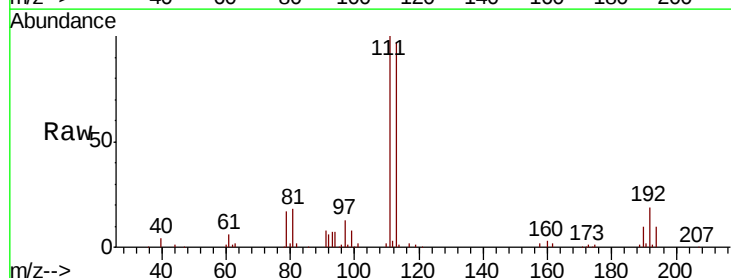


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

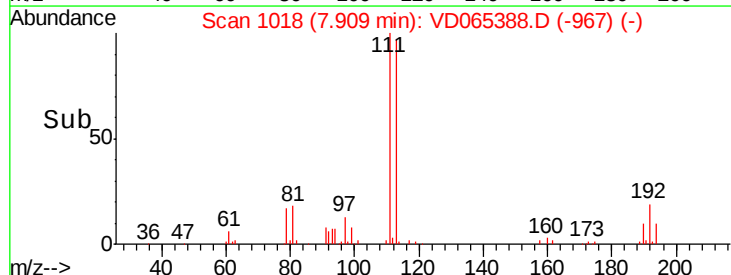
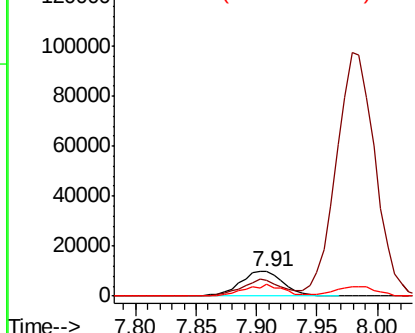


#32
1,1,1-Trichloroethane
Concen: 3.622 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 97 Resp: 24892
Ion Ratio Lower Upper
97 100
99 61.3 51.4 77.2
61 41.6 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

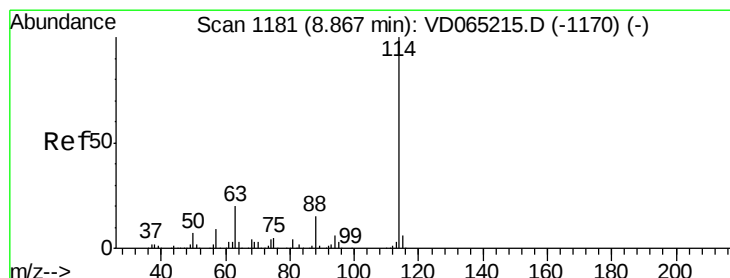
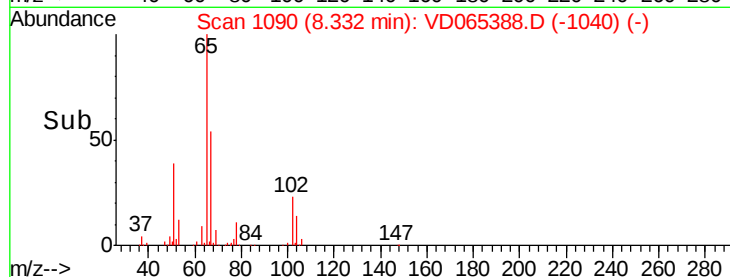
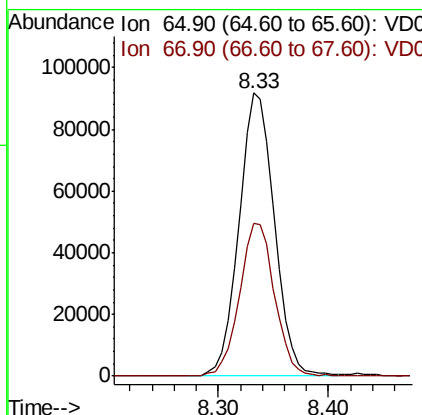
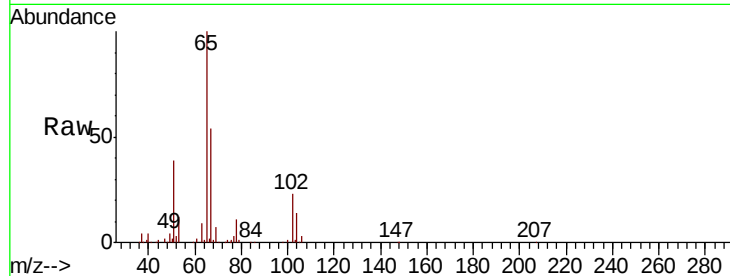




#33
 1,2-Dichloroethane-d4
 Concen: 54.247 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

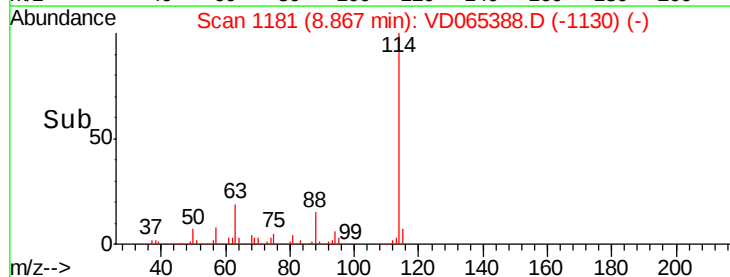
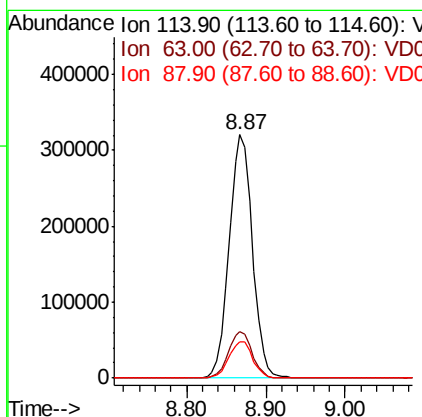
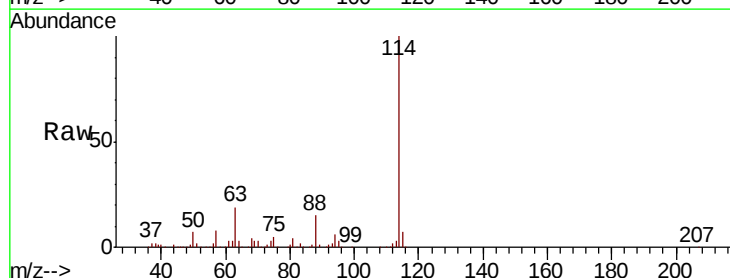
Instrument :
 MSVOA_D
 ClientSampled :

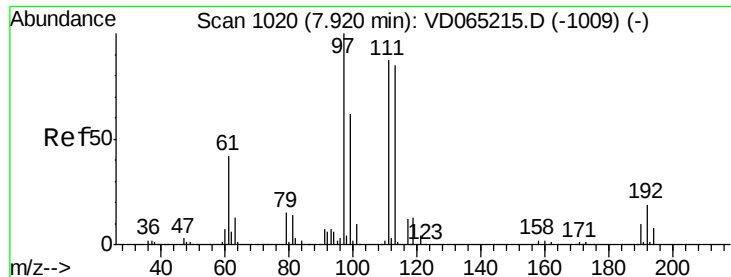
Tot Ion: 65 Resp: 206682
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 114 Resp: 650641
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 14.7 0.0 30.4

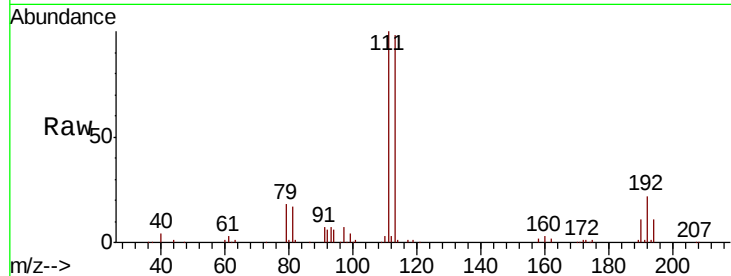




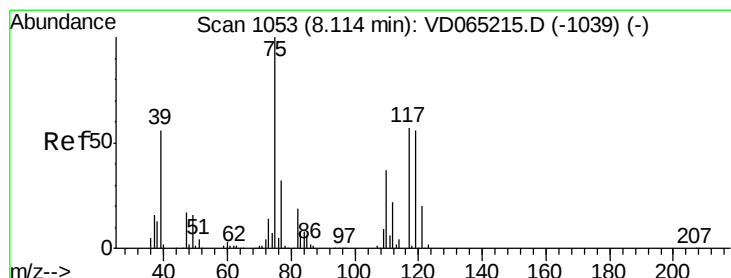
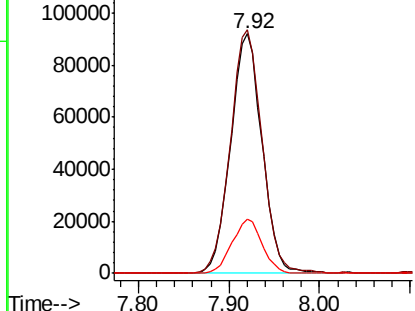
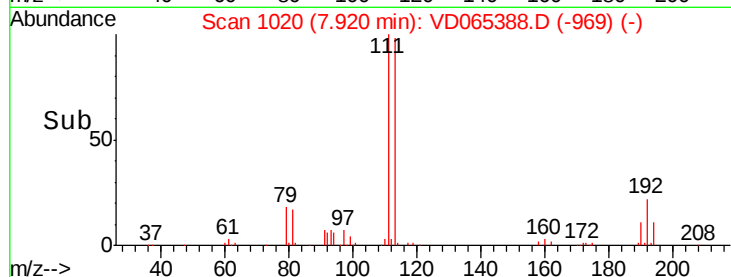
#35
 Dibromofluoromethane
 Concen: 55.716 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	21.9	17.3	25.9

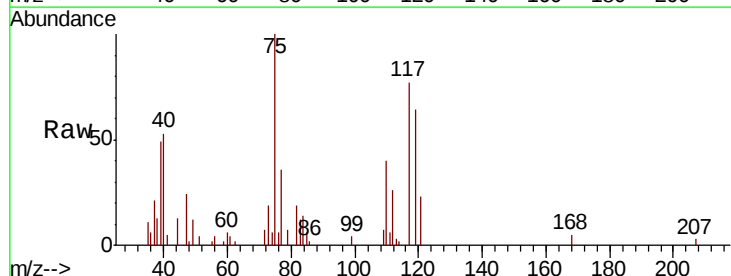


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

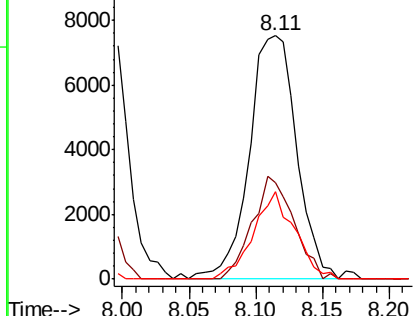
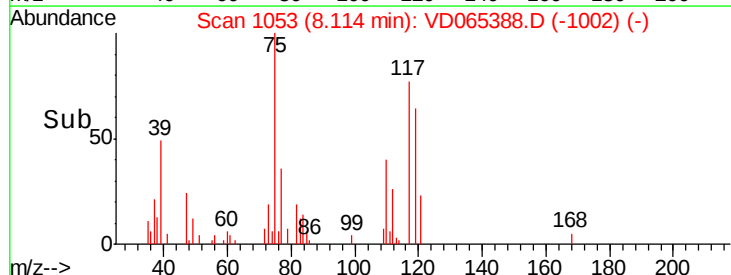


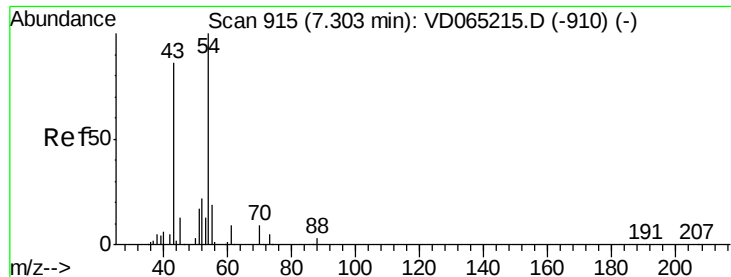
#36
 1,1-Dichloropropene
 Concen: 2.915 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.9	53.7
77	31.7	25.1	37.7



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

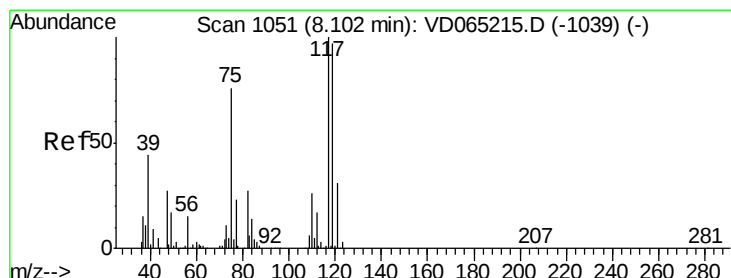
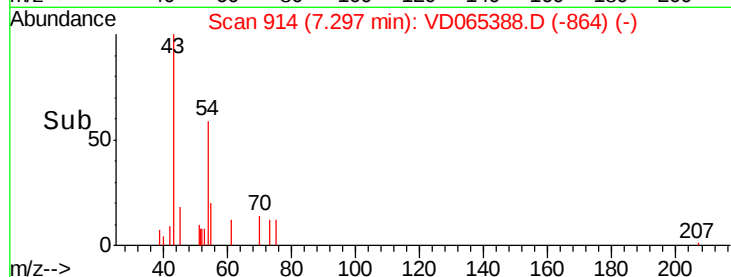
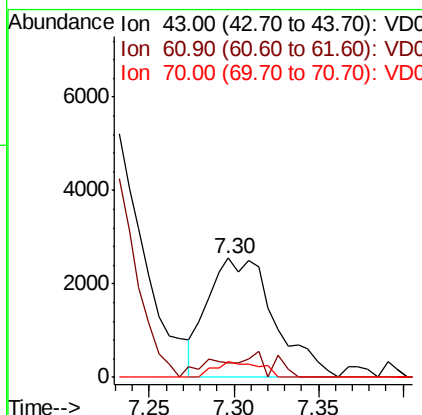
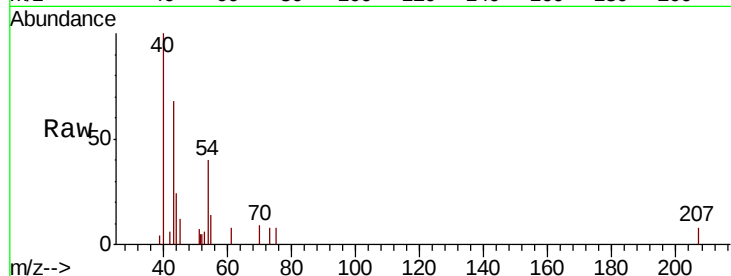




#37
Ethyl Acetate
Concen: 2.645 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

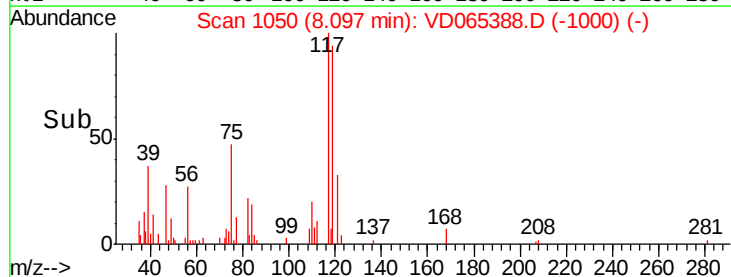
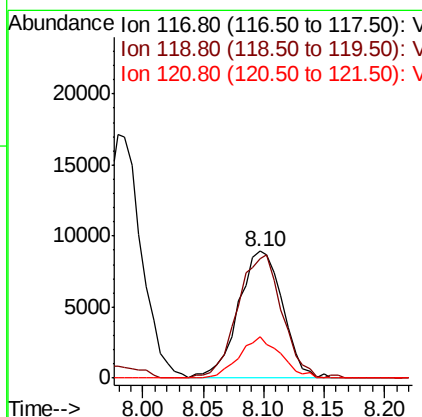
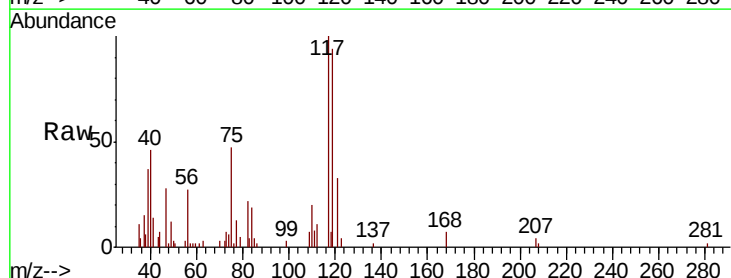
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 6999
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 9.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 3.537 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 117 Resp: 22795
Ion Ratio Lower Upper
117 100
119 94.3 77.6 116.4
121 32.7 24.8 37.2

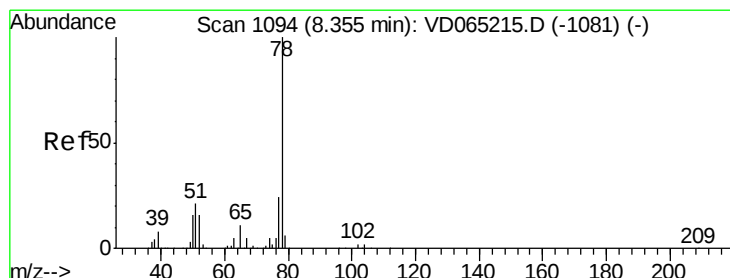
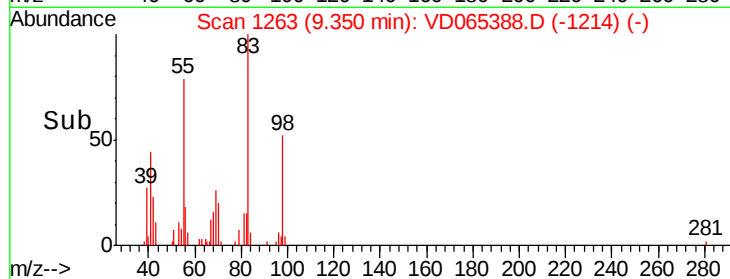
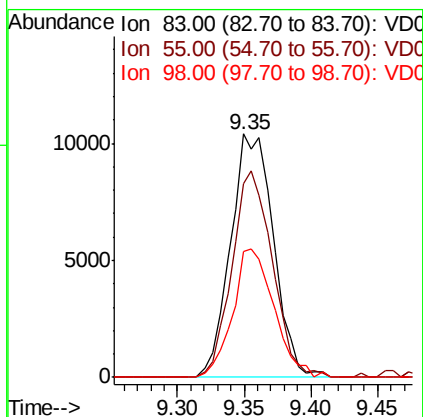
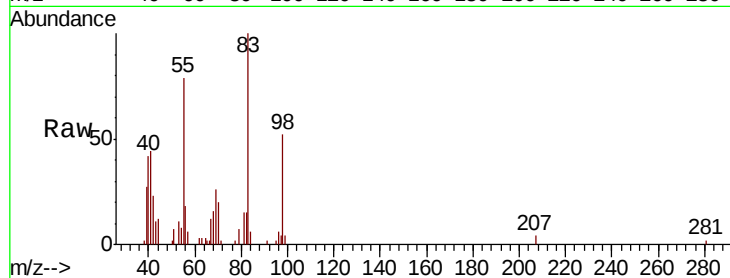




#39
Methvlcvclohexane
Concen: 3.109 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

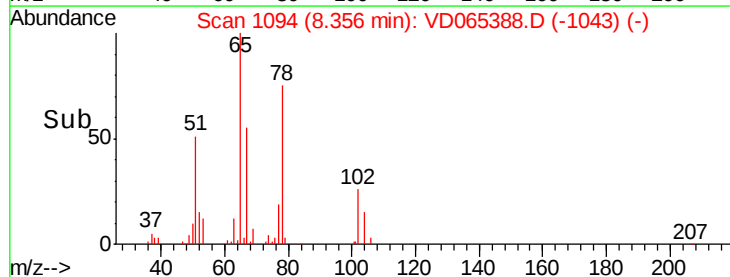
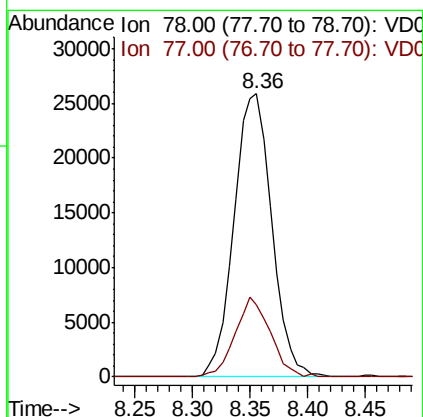
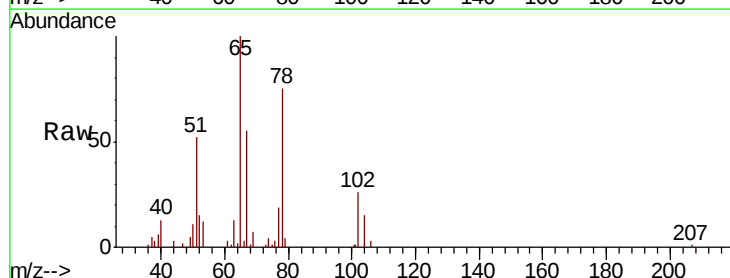
Instrument :
MSVOA_D
ClientSampled :

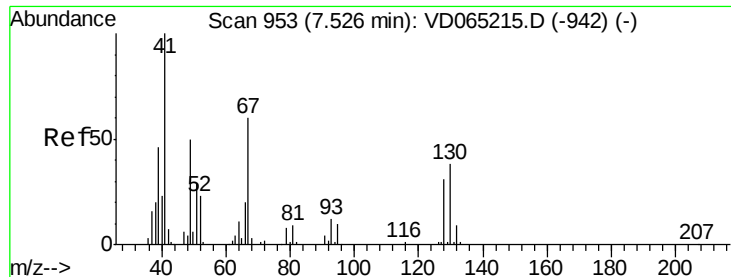
Tot Ion: 83 Resp: 23143
Ion Ratio Lower Upper
83 100
55 79.4 61.8 92.6
98 51.8 39.4 59.0



#40
Benzene
Concen: 3.292 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 78 Resp: 58827
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6





#41

Methacrylonitrile

Concen: 2.539 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 3880

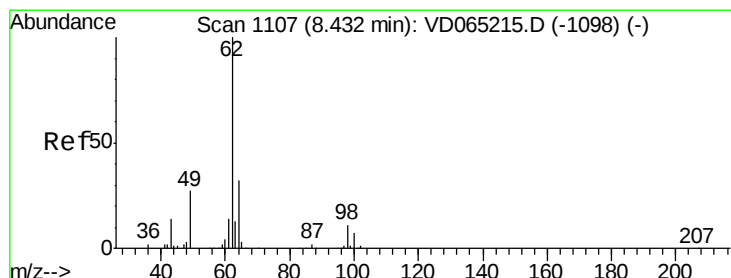
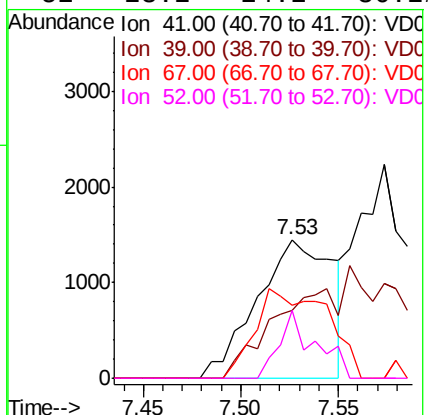
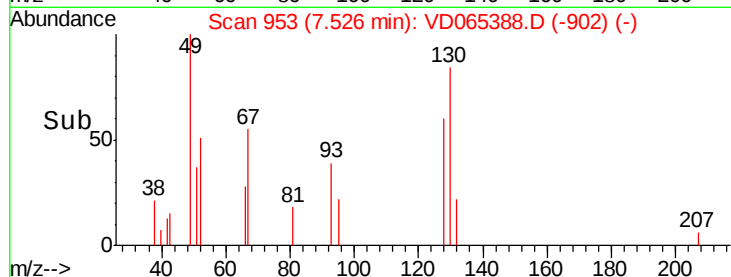
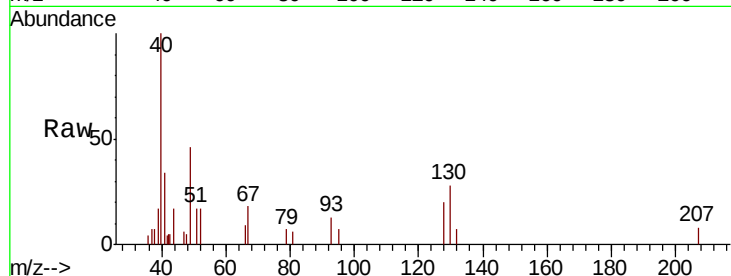
Ion Ratio Lower Upper

41 100

39 0.0 48.1 72.1#

67 61.5 58.9 88.3

52 23.2 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 3.318 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065388.D

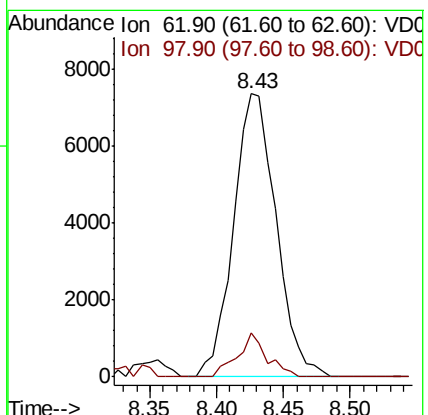
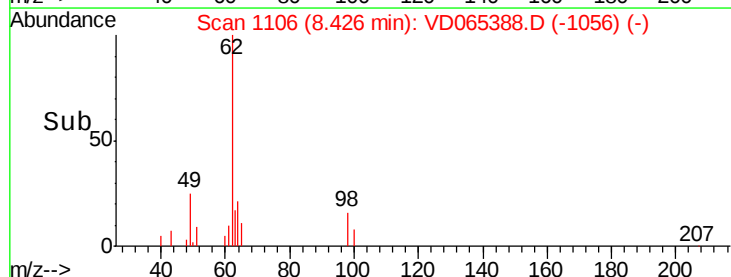
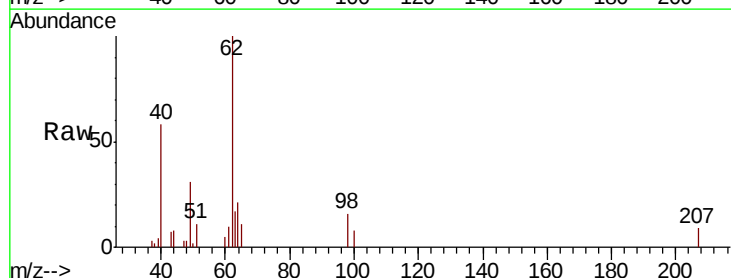
Acq: 03 Mar 2020 12:15

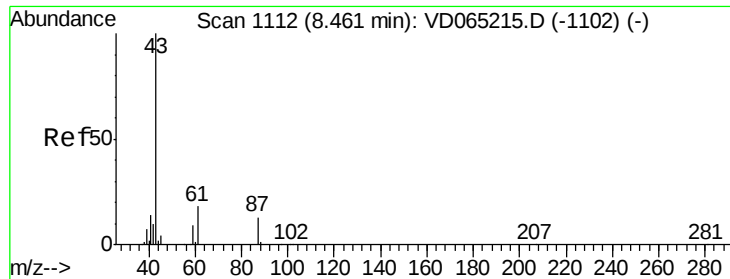
Tgt Ion: 62 Resp: 16298

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.6

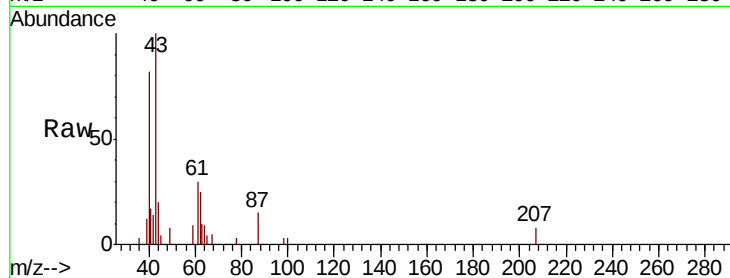




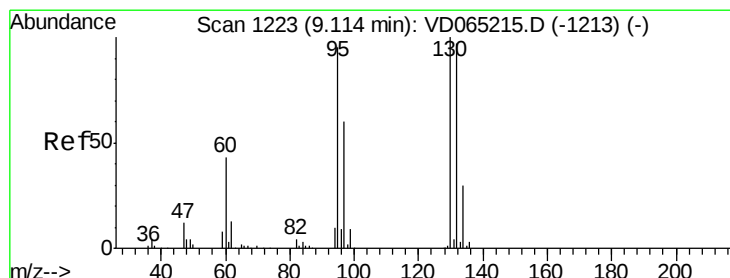
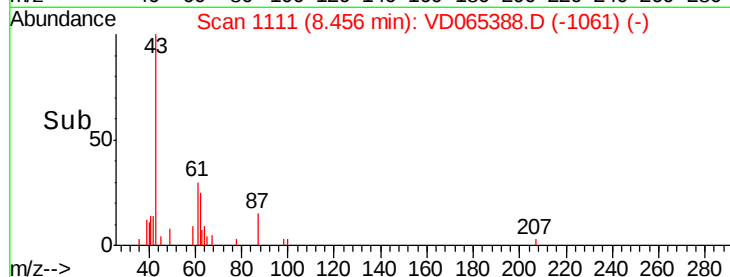
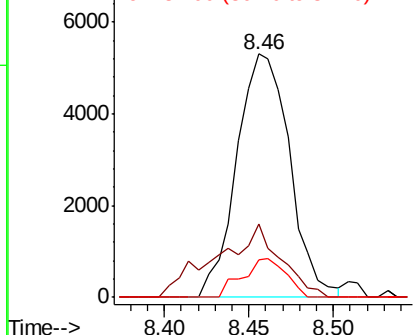
#43
Isopropyl Acetate
Concen: 2.401 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 11554
Ion Ratio Lower Upper
43 100
61 36.5 24.6 36.8
87 13.1 10.6 16.0

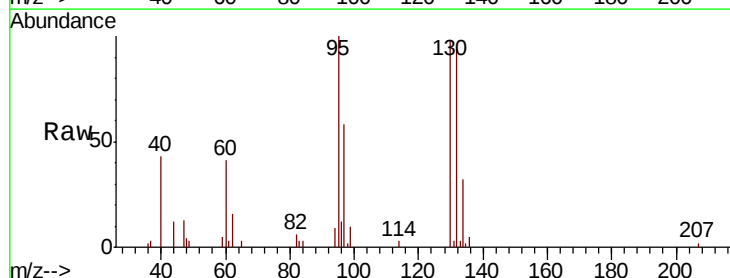


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

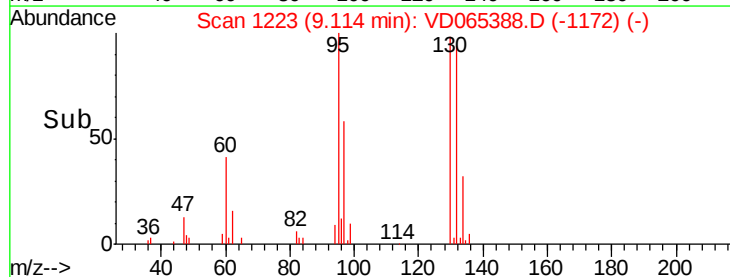
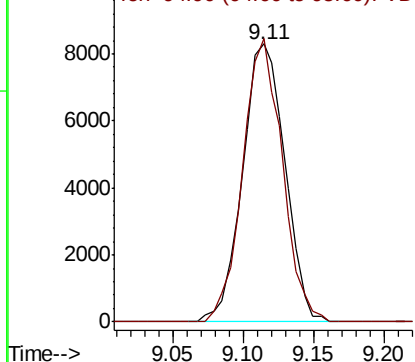


#44
Trichloroethene
Concen: 3.529 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:130 Resp: 17479
Ion Ratio Lower Upper
130 100
95 101.9 0.0 190.6



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

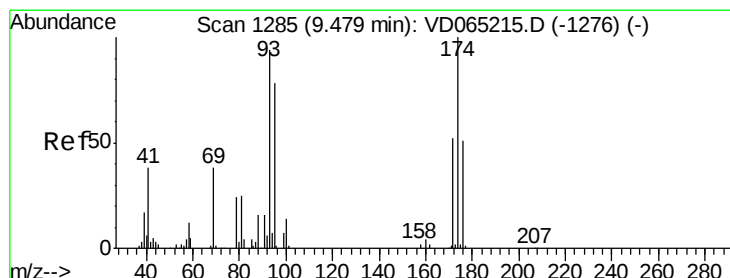
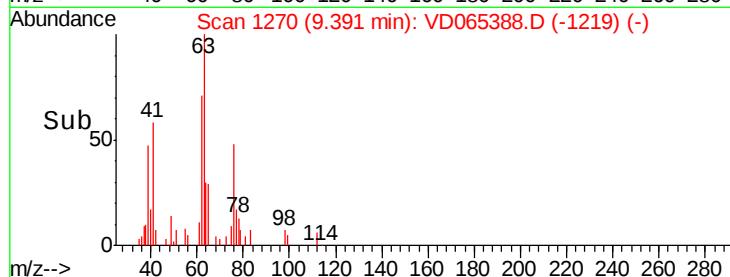
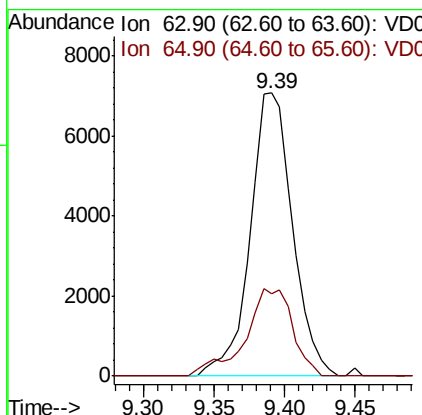
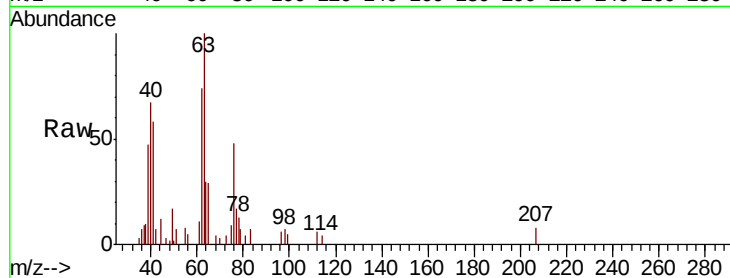




#45
 1,2-Dichloropropane
 Concen: 3.357 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

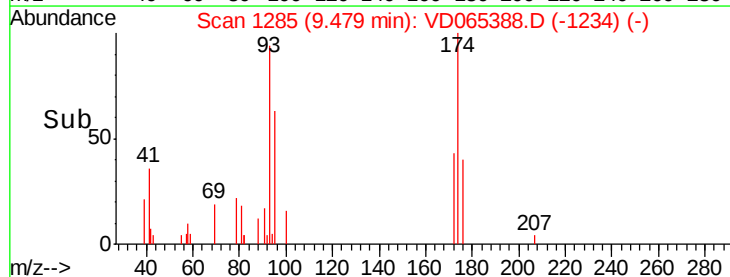
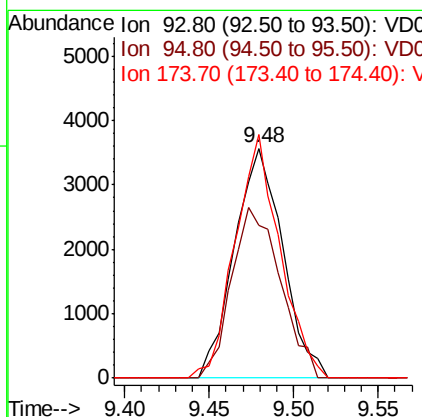
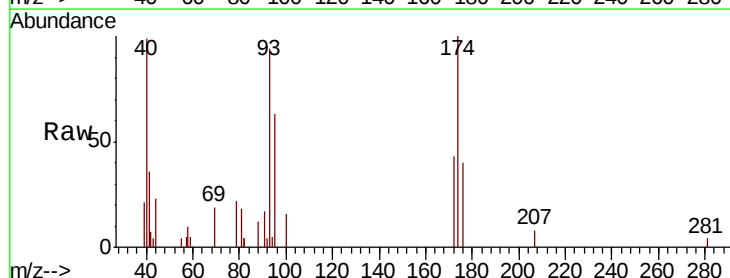
Instrument :
 MSVOA_D
 ClientSampleId :

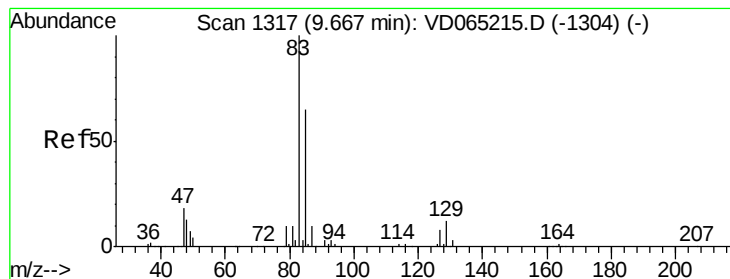
Tot Ion: 63 Resp: 14917
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.9 37.3



#46
 Dibromomethane
 Concen: 3.111 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 93 Resp: 7113
 Ion Ratio Lower Upper
 93 100
 95 75.2 65.8 98.6
 174 98.0 86.8 130.2





#47

Bromodichloromethane

Concen: 3.238 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

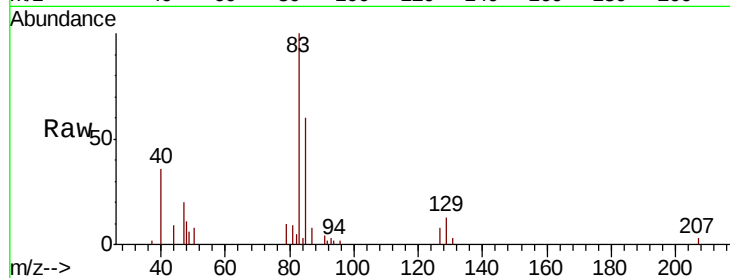
Tot Ion: 83 Resp: 19508

Ion Ratio Lower Upper

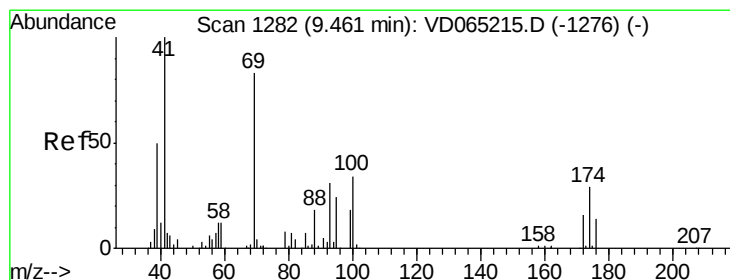
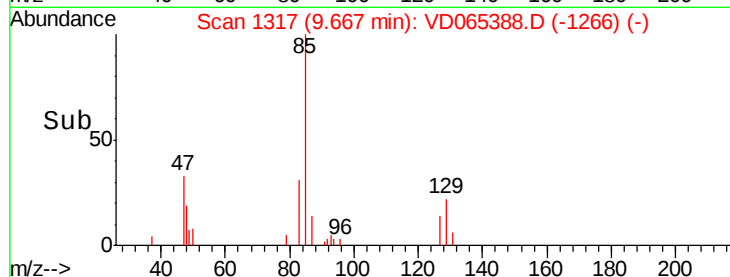
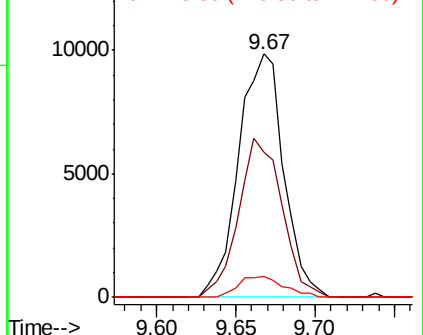
83 100

85 59.8 52.0 78.0

127 8.3 6.7 10.1



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



#48

Methyl methacrylate

Concen: 2.239 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

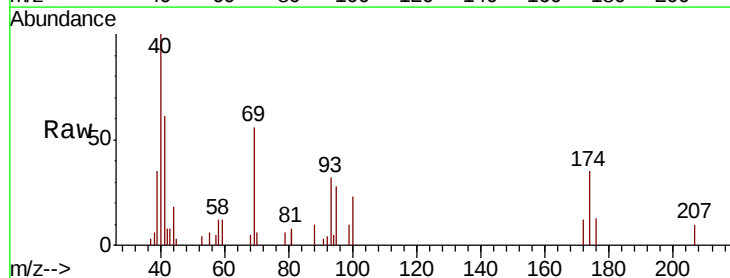
Tgt Ion: 41 Resp: 4980

Ion Ratio Lower Upper

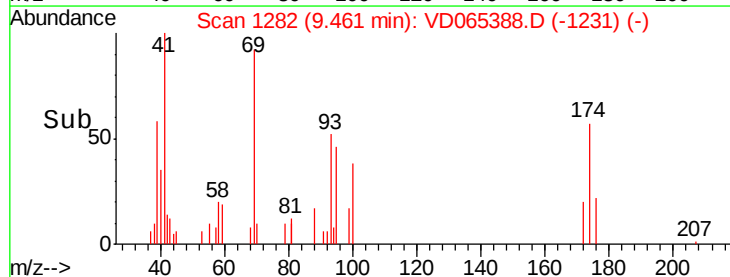
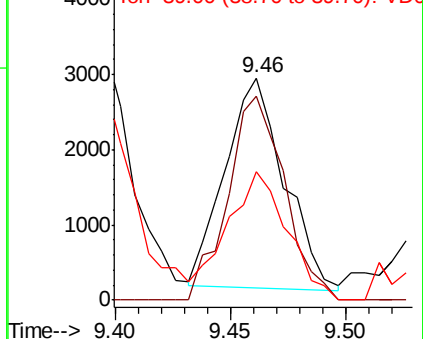
41 100

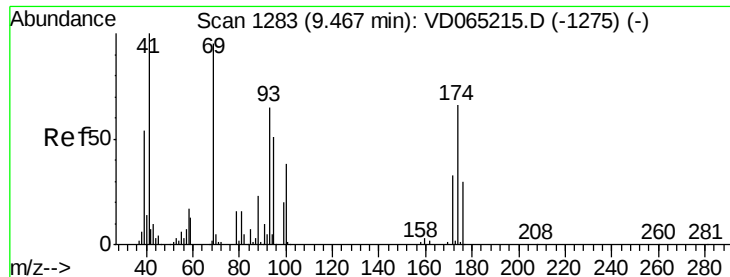
69 93.1 68.2 102.2

39 62.5 42.0 63.0



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





#49

1,4-Dioxane

Concen: 41.882 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

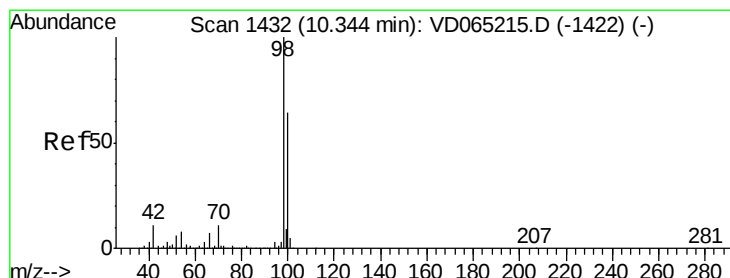
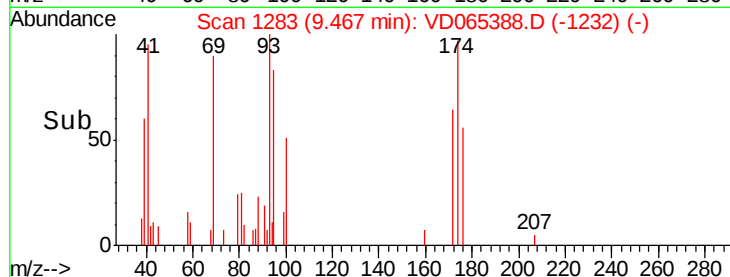
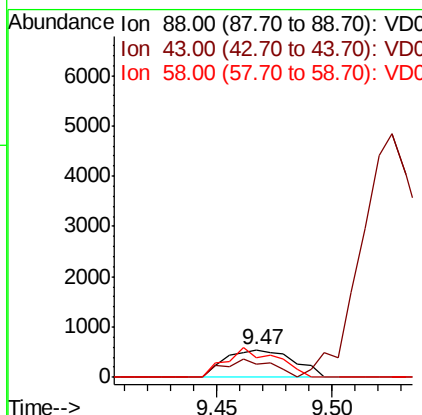
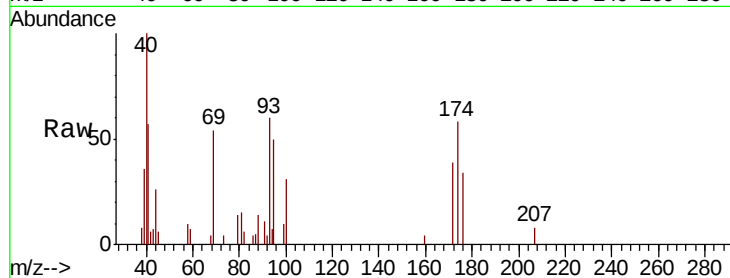
Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 1123

Ion	Ratio	Lower	Upper
88	100		
43	48.3	28.5	42.7#
58	80.8	58.6	87.8



#50

Toluene-d8

Concen: 54.369 ug/l

RT: 10.34 min Scan# 1432

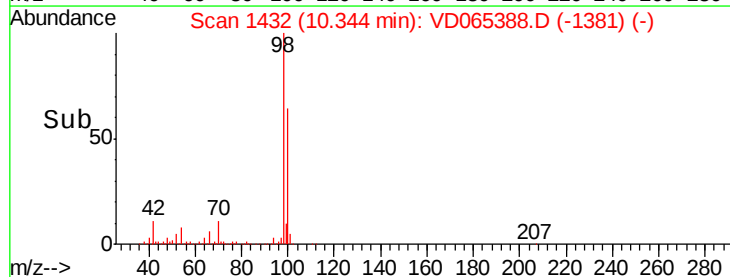
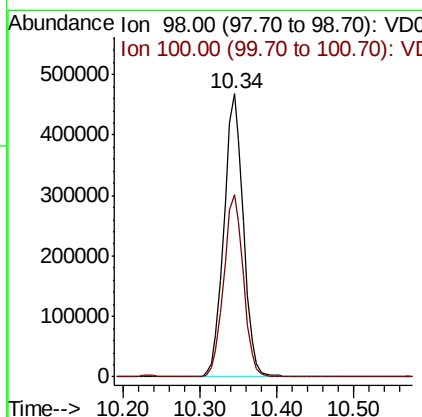
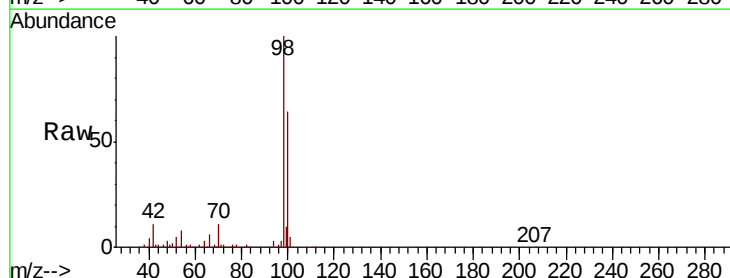
Delta R.T. 0.00 min

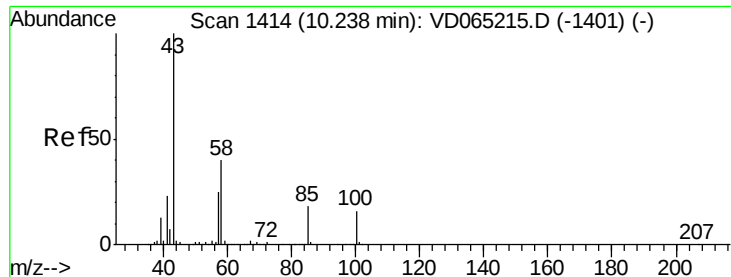
Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion: 98 Resp: 824579

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 11.781 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

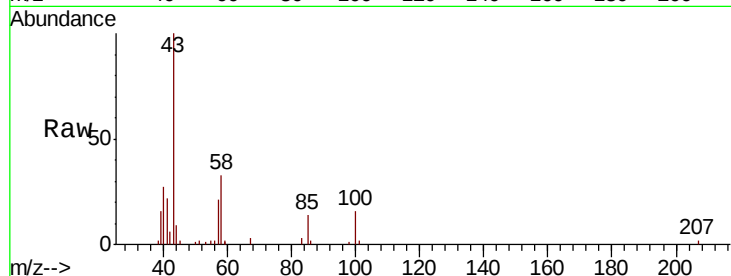
ClientSampleId :

Tot Ion: 43 Resp: 28797

Ion Ratio Lower Upper

43 100

58 34.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

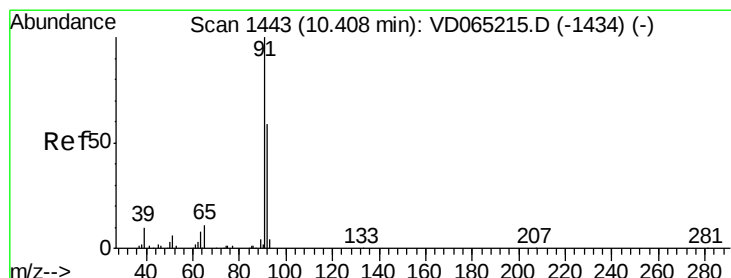
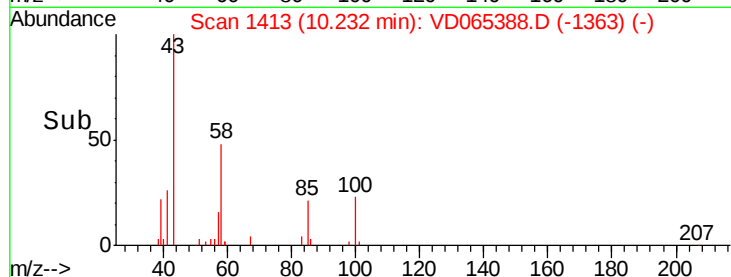
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 3.452 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065388.D

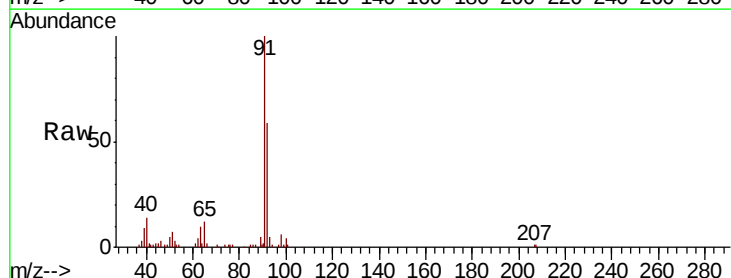
Acq: 03 Mar 2020 12:15

Tgt Ion: 92 Resp: 38178

Ion Ratio Lower Upper

92 100

91 175.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

40000

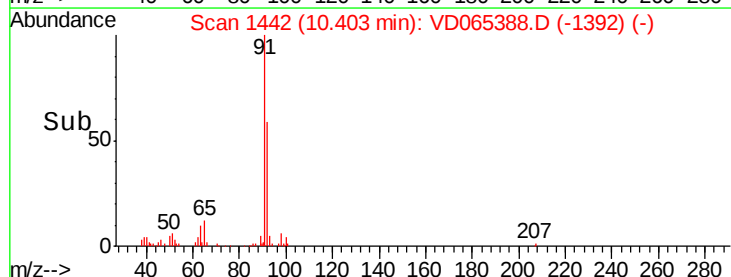
30000

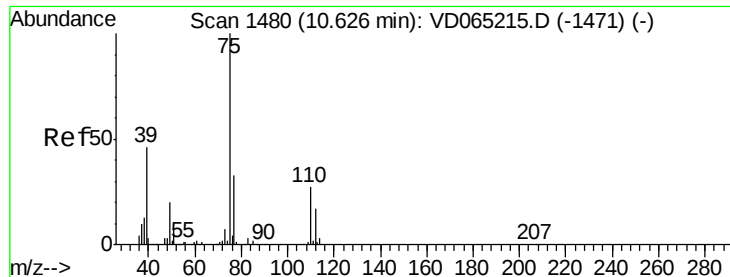
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.976 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

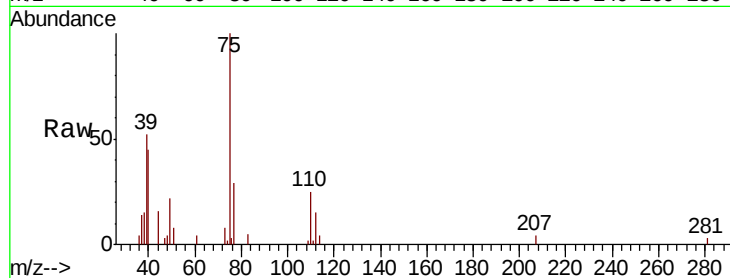
ClientSampleId :

Tot Ion: 75 Resp: 16620

Ion Ratio Lower Upper

75 100

77 29.4 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

10000

8000

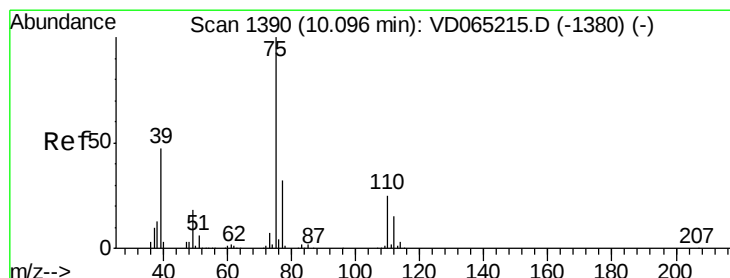
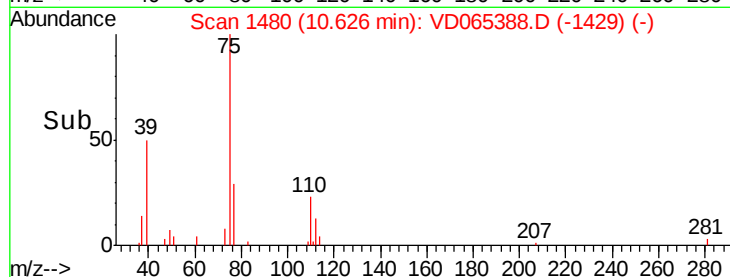
6000

4000

2000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 2.875 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

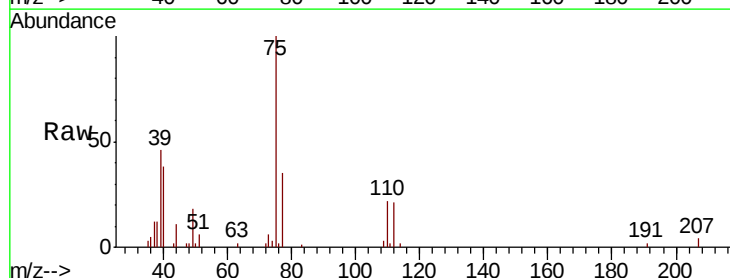
Tgt Ion: 75 Resp: 19385

Ion Ratio Lower Upper

75 100

77 35.0 25.8 38.8

39 46.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

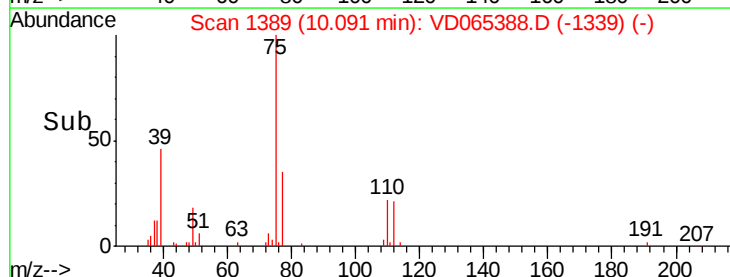
10.09

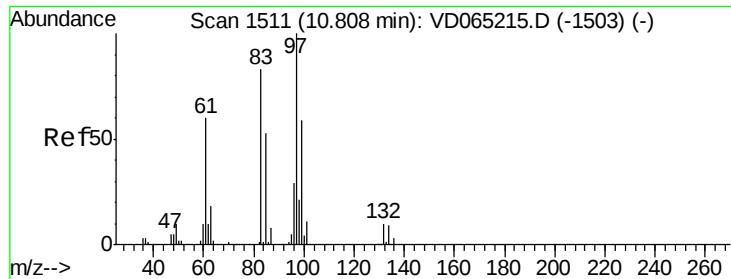
10000

5000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 3.289 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 10583

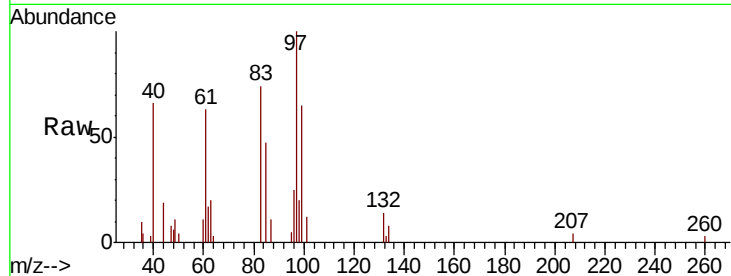
Ion	Ratio	Lower	Upper
97	100		
83	74.3	66.7	100.1
85	47.0	42.4	63.6
99	65.5	47.5	71.3

97 100

83 74.3 66.7 100.1

85 47.0 42.4 63.6

99 65.5 47.5 71.3

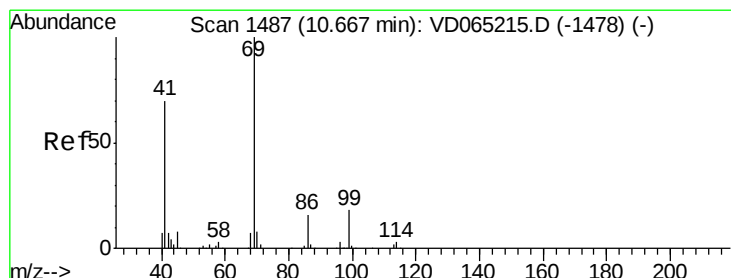
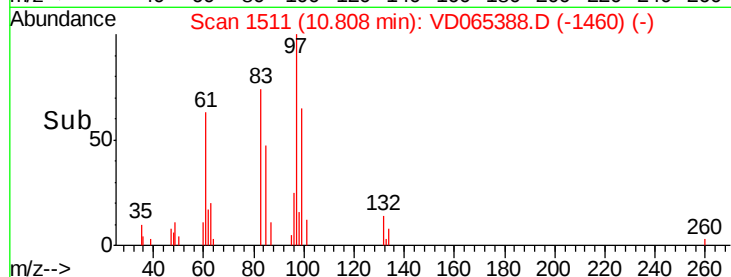
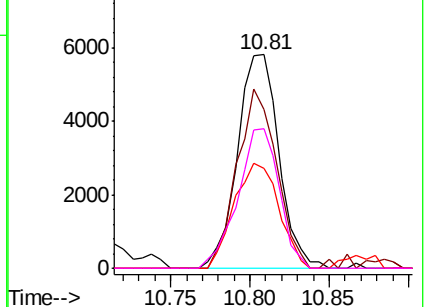


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 2.252 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

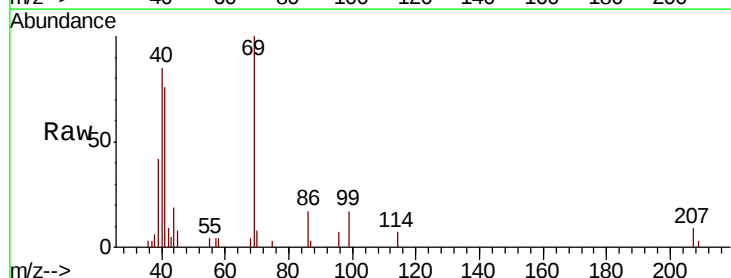
Tgt Ion: 69 Resp: 8363

Ion	Ratio	Lower	Upper
69	100		
41	71.4	54.6	81.8
39	33.7	26.5	39.7

69 100

41 71.4 54.6 81.8

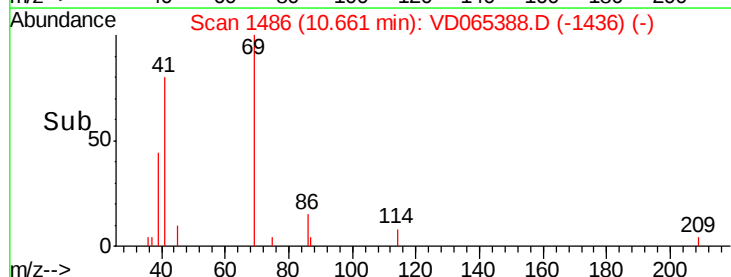
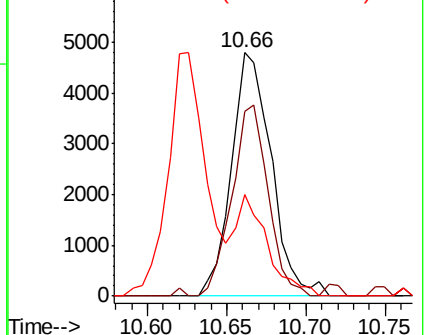
39 33.7 26.5 39.7

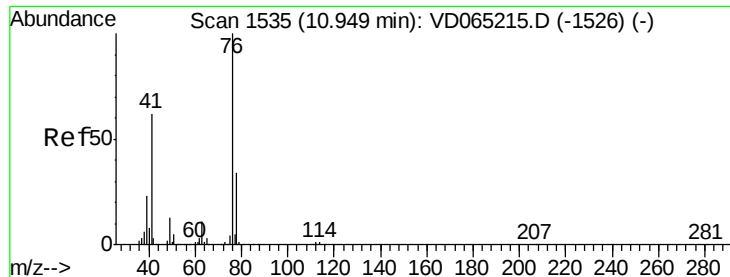


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

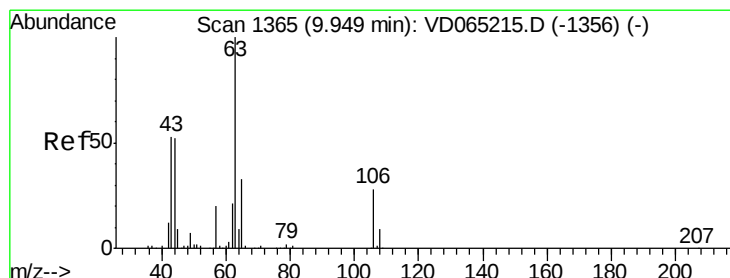
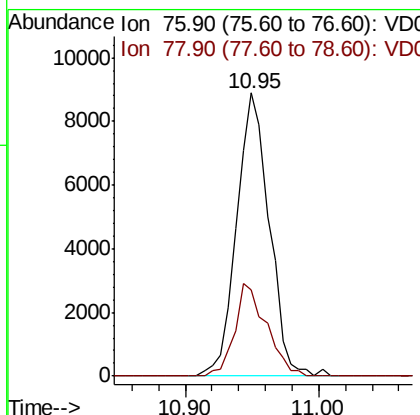
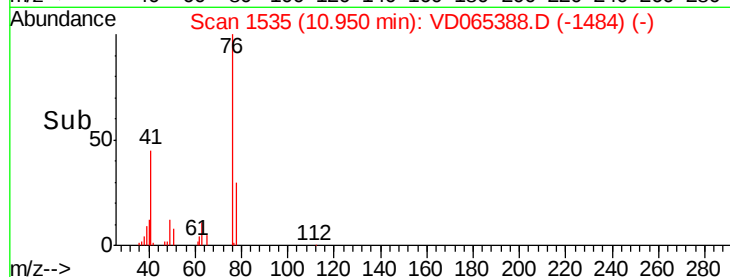
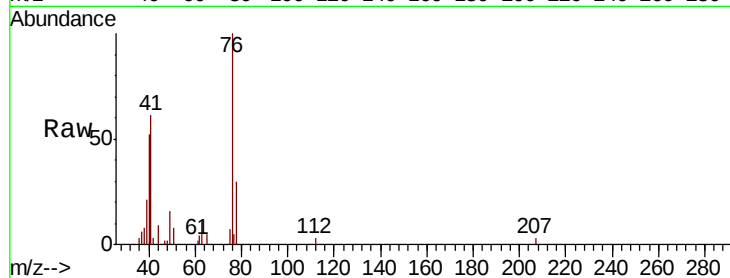




#57
 1,3-Dichloropropane
 Concen: 2.742 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

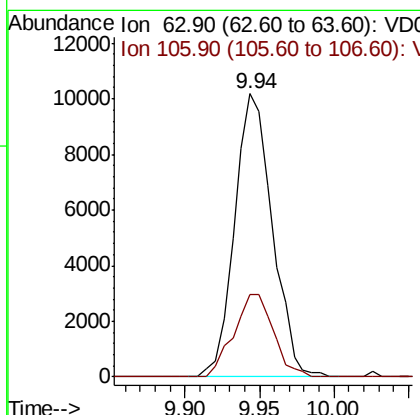
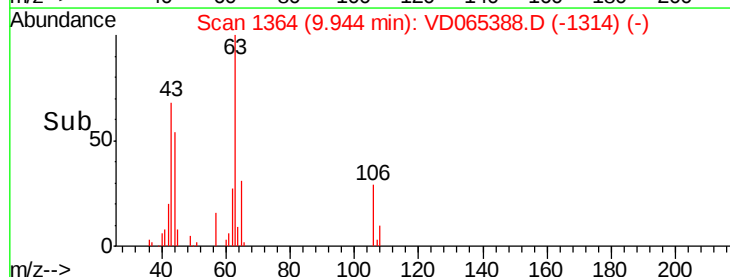
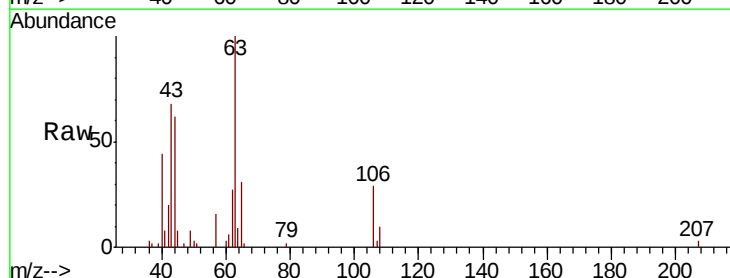
Instrument :
 MSVOA_D
 ClientSampleId :

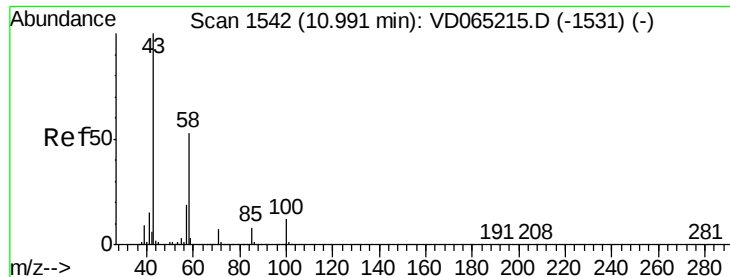
Tot Ion: 76 Resp: 15016
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.281 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 63 Resp: 17893
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.8 34.2

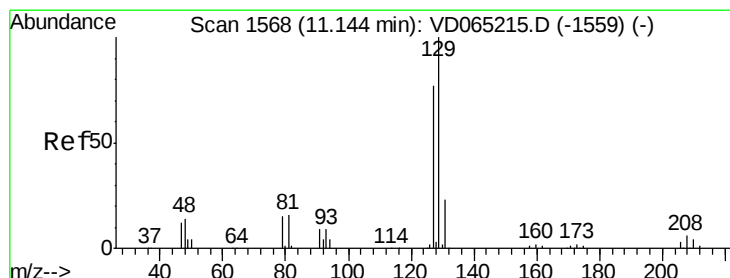
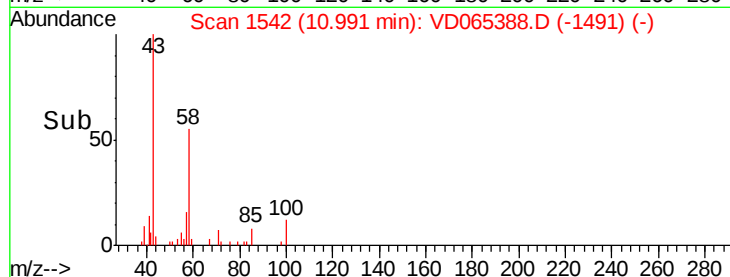
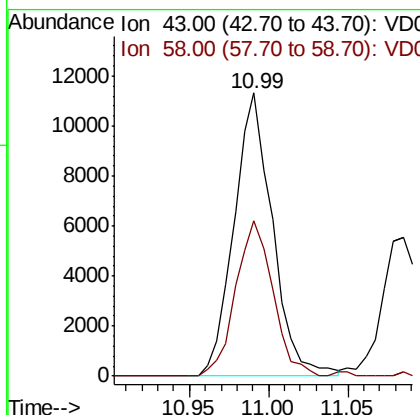
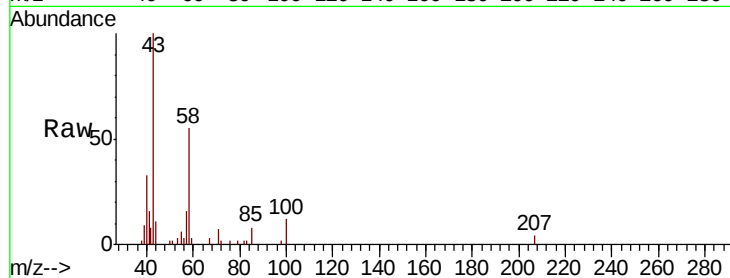




#59
2-Hexanone
Concen: 10.903 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

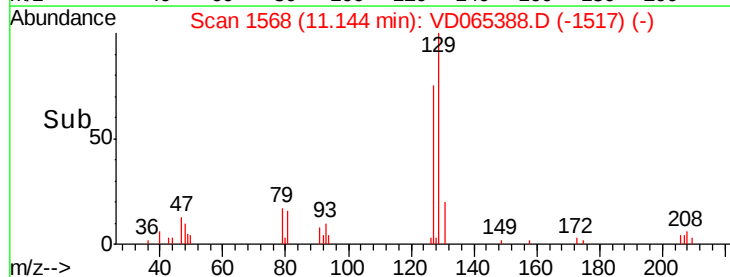
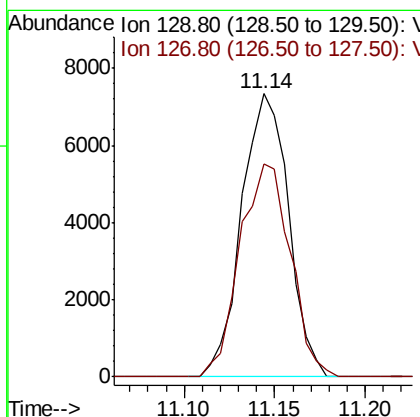
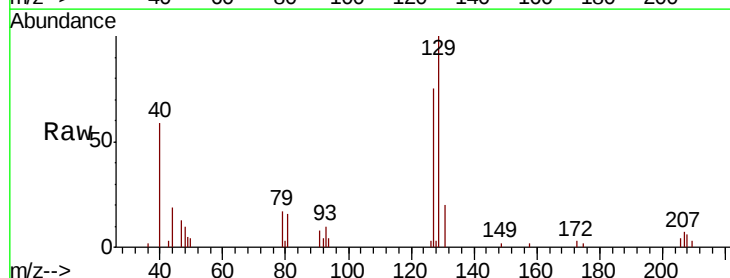
Instrument :
MSVOA_D
ClientSampleId :

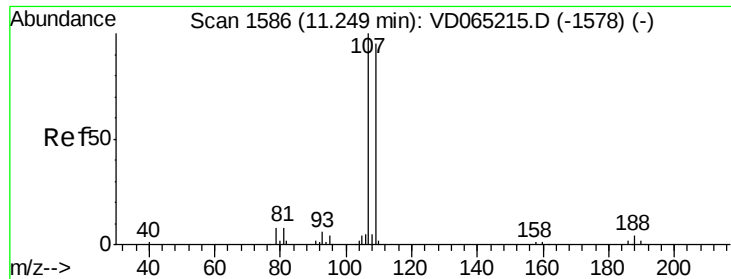
Tot Ion: 43 Resp: 19079
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8



#60
Dibromochloromethane
Concen: 3.207 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 129 Resp: 13208
Ion Ratio Lower Upper
129 100
127 81.1 38.7 116.1

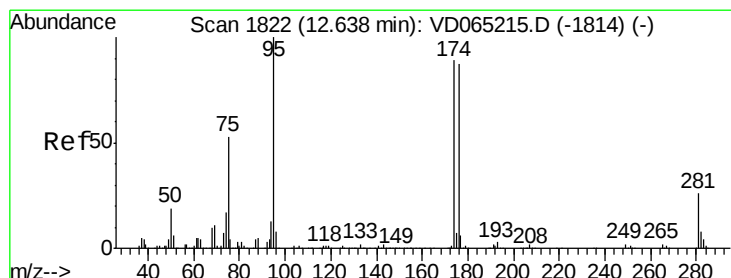
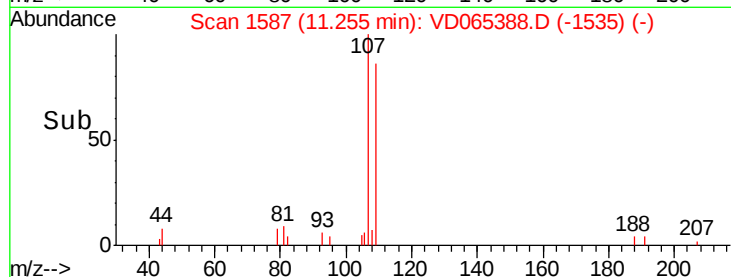
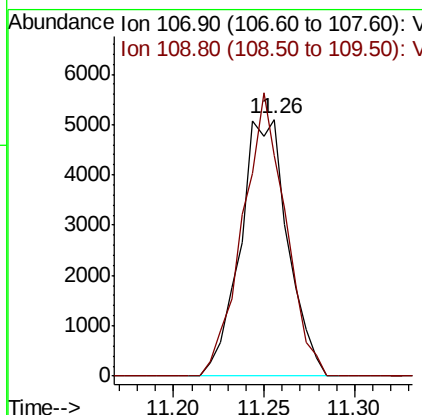
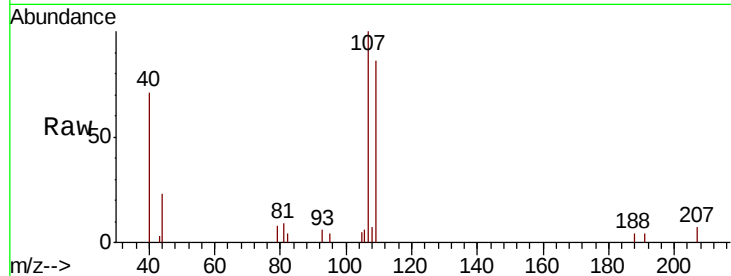




#61
 1,2-Dibromoethane
 Concen: 3.053 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

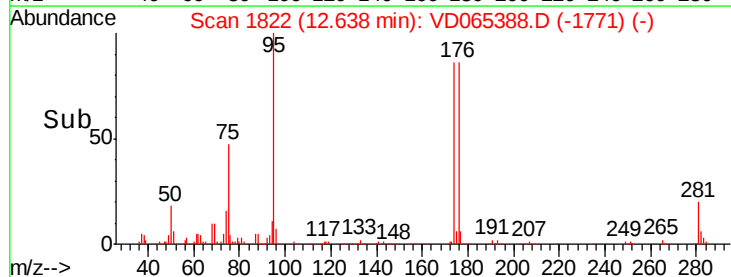
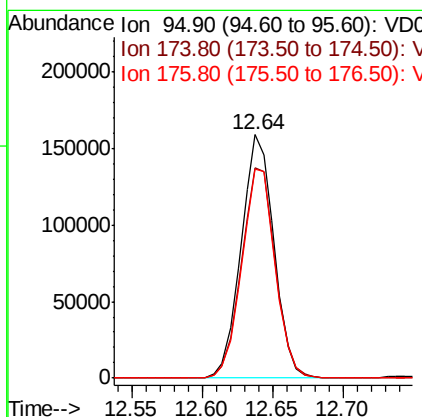
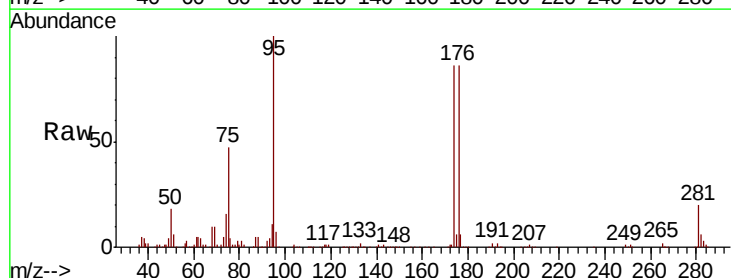
Instrument :
 MSVOA_D
 ClientSampleId :

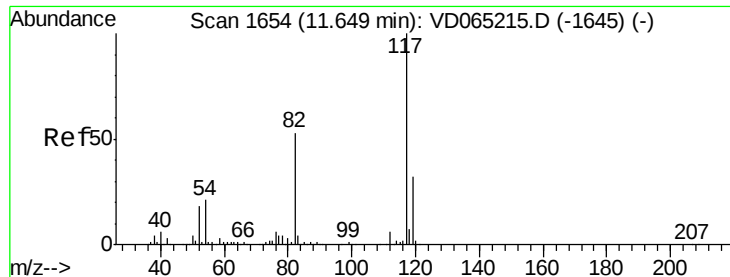
Tot Ion: 107 Resp: 9302
 Ion Ratio Lower Upper
 107 100
 109 99.5 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 53.829 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 95 Resp: 258627
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.0
 176 87.4 0.0 174.4

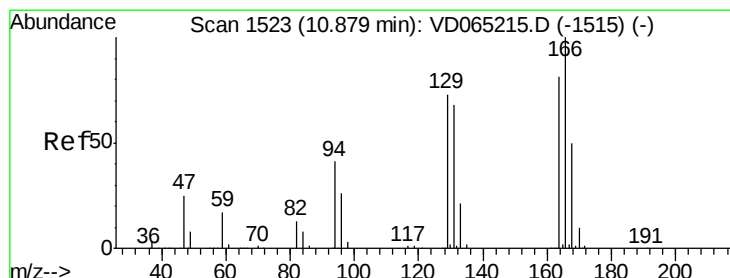
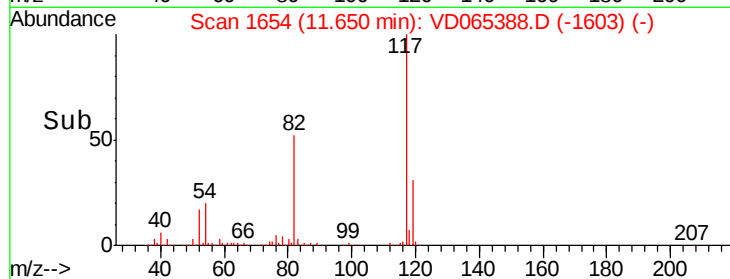
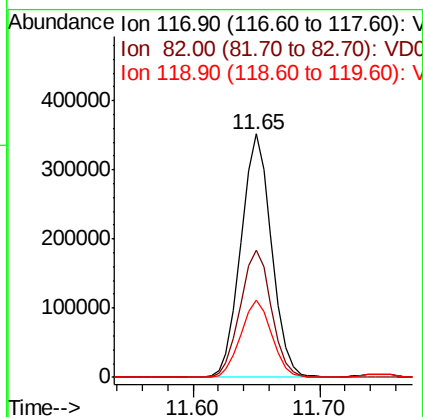
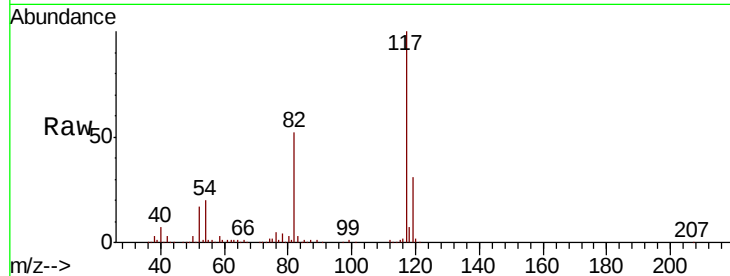




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

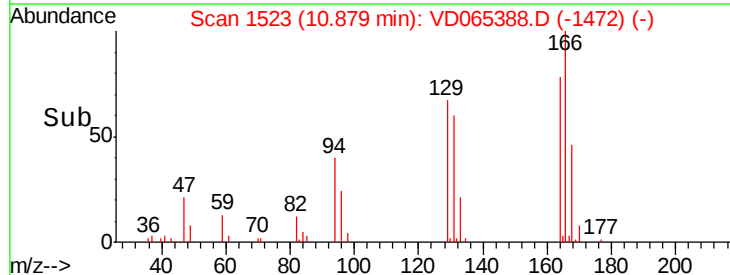
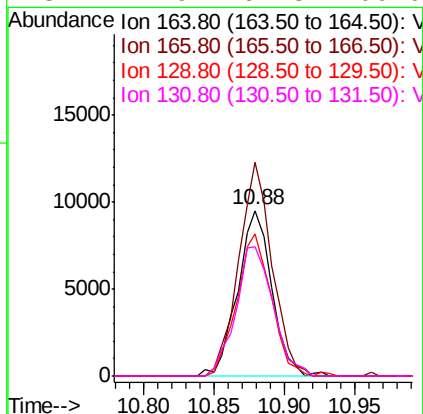
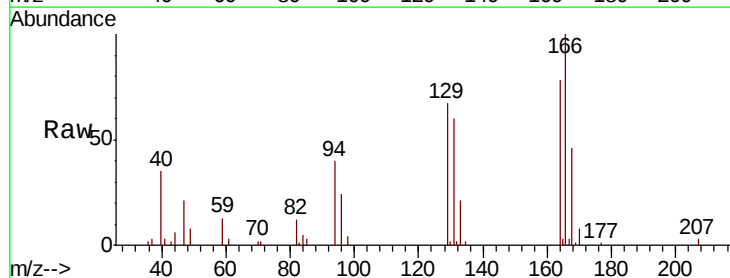
Instrument :
MSVOA_D
ClientSampled :

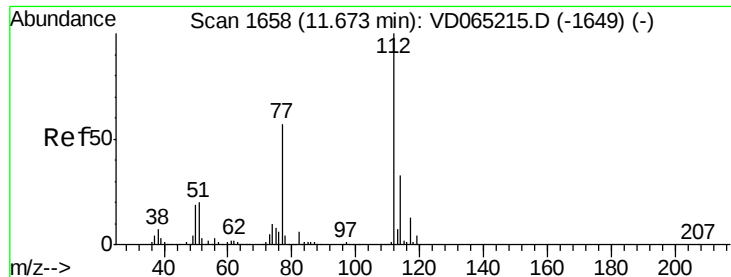
Tot Ion:117 Resp: 589689
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 3.848 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:164 Resp: 16094
Ion Ratio Lower Upper
164 100
166 129.0 98.4 147.6
129 86.1 71.6 107.4
131 77.9 67.3 100.9

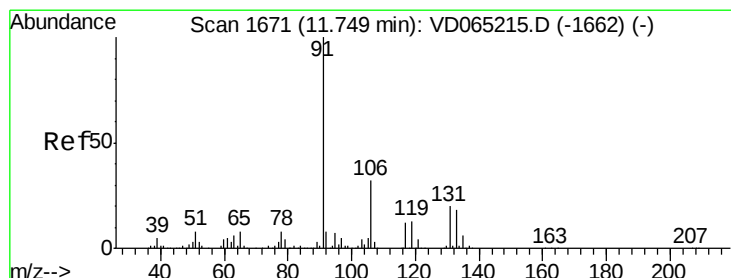
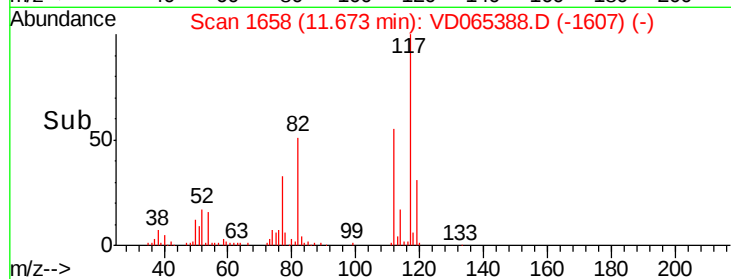
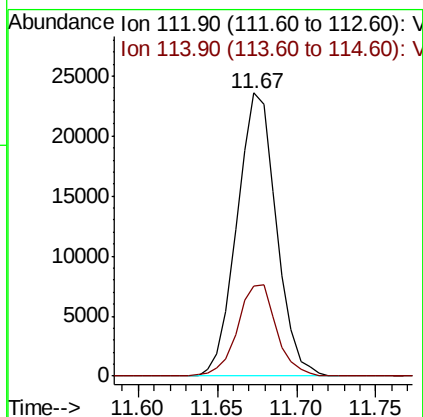
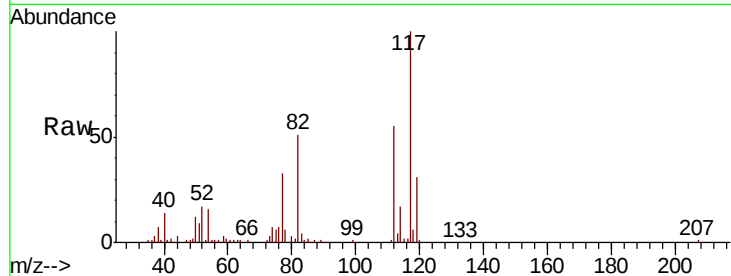




#65
Chlorobenzene
Concen: 3.431 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

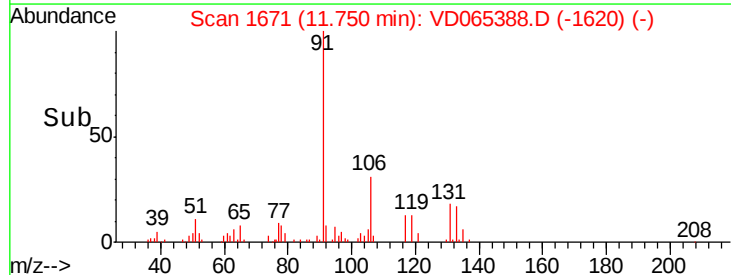
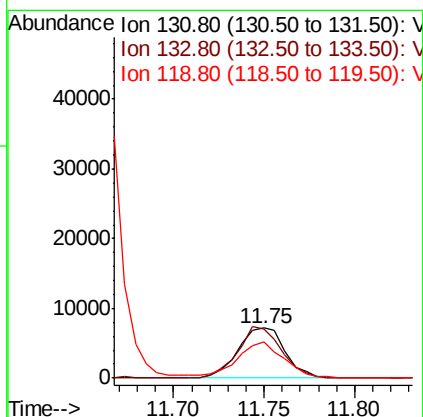
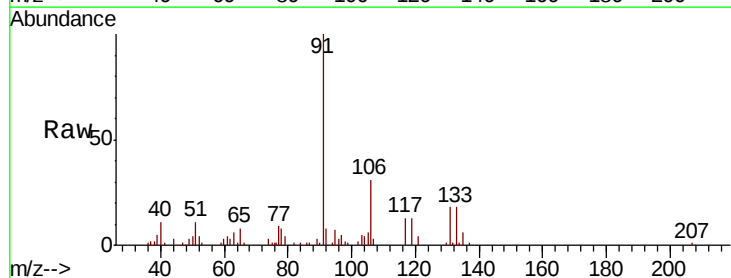
Instrument :
MSVOA_D
ClientSampleId :

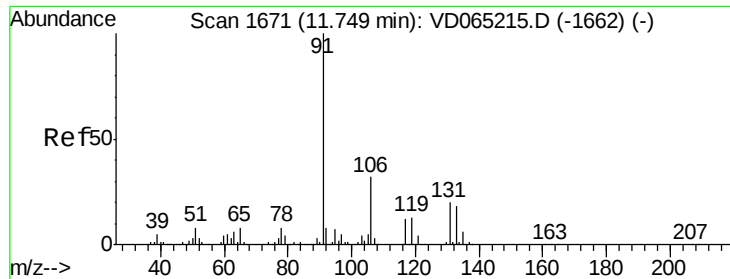
Tot Ion:112 Resp: 40606
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.942 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:131 Resp: 12991
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 72.3 32.7 98.1





#67

Ethyl Benzene

Concen: 3.026 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

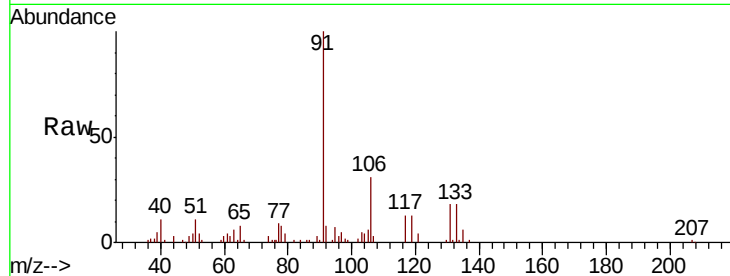
ClientSampleId :

Tot Ion: 91 Resp: 62713

Ion Ratio Lower Upper

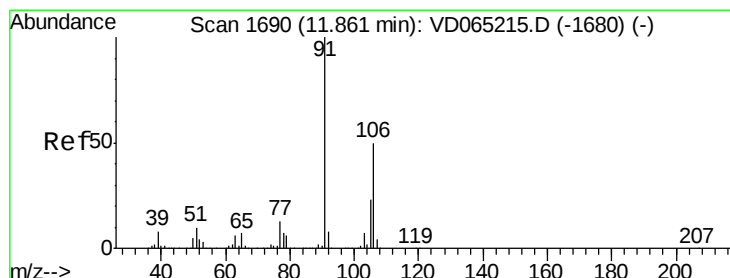
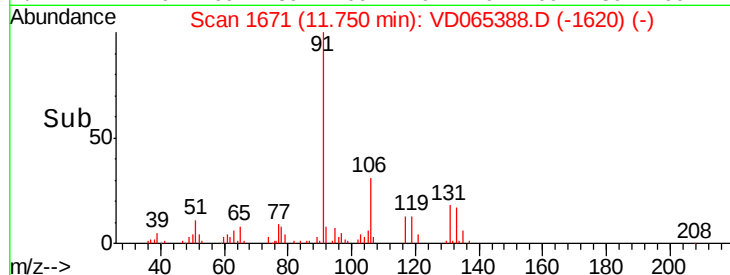
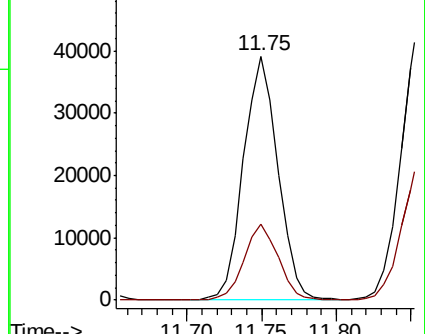
91 100

106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 5.475 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065388.D

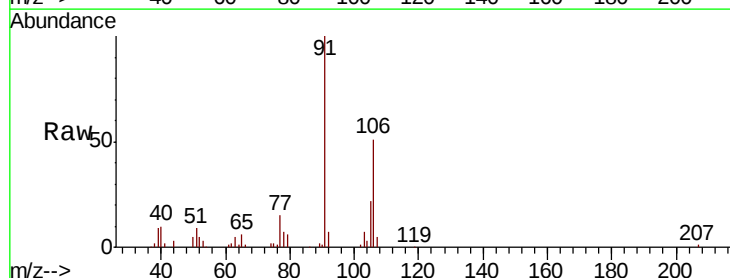
Acq: 03 Mar 2020 12:15

Tgt Ion: 106 Resp: 43416

Ion Ratio Lower Upper

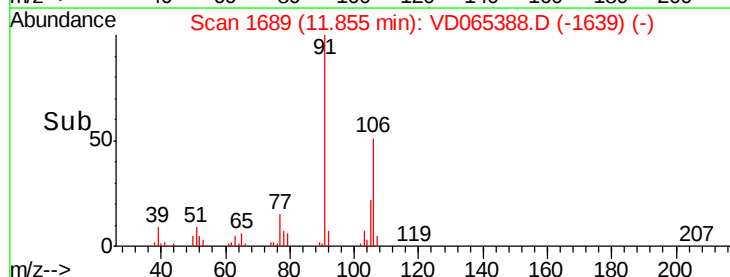
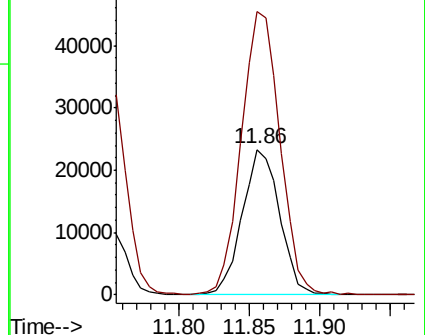
106 100

91 201.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

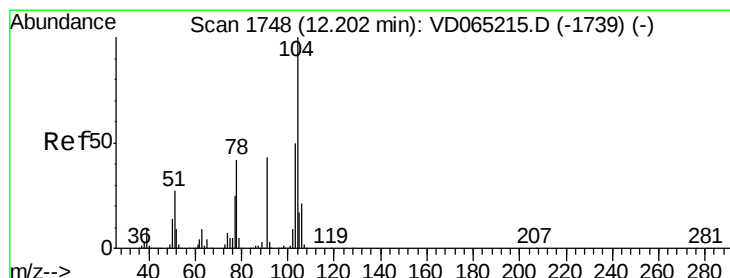
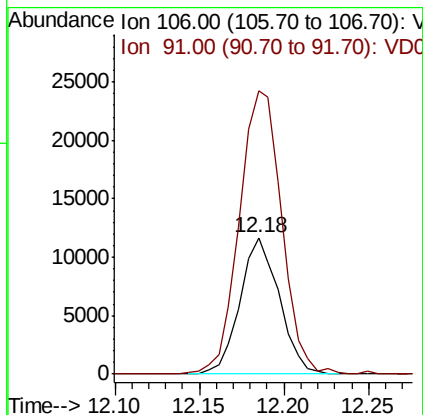
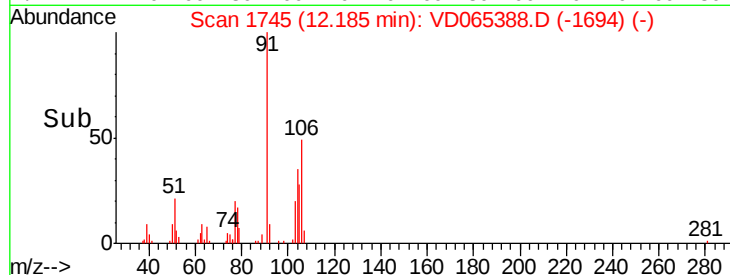
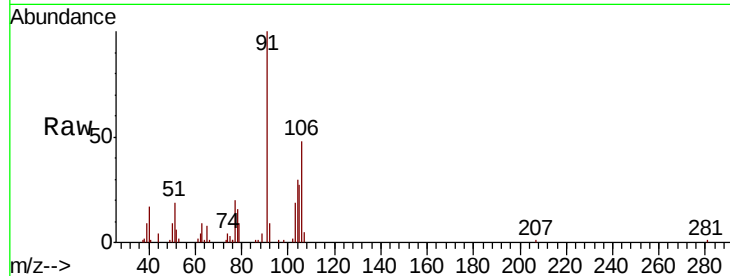




#69
o-Xylene
Concen: 2.681 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

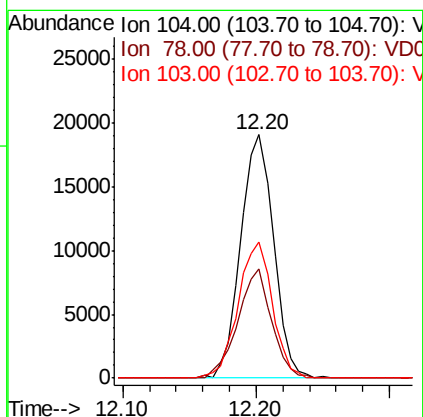
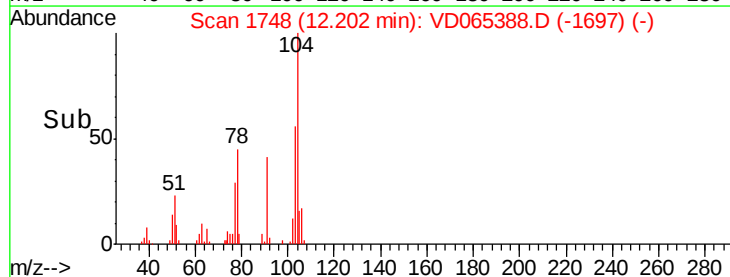
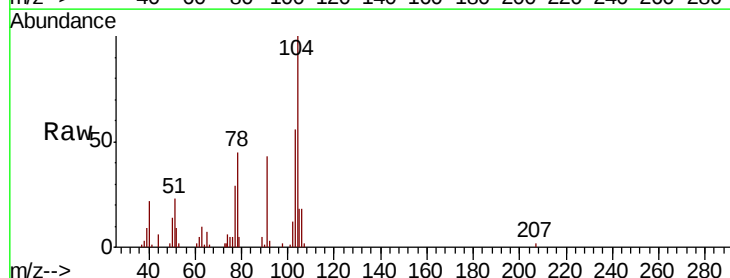
Instrument :
MSVOA_D
ClientSampled :

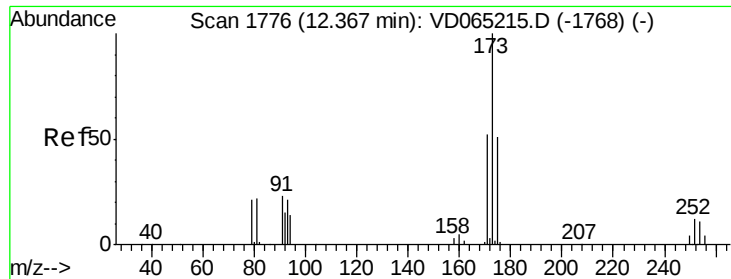
Tot Ion:106 Resp: 18832
Ion Ratio Lower Upper
106 100
91 224.6 104.7 313.9



#70
Styrene
Concen: 2.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:104 Resp: 32633
Ion Ratio Lower Upper
104 100
78 45.8 37.8 56.6
103 57.7 43.4 65.2

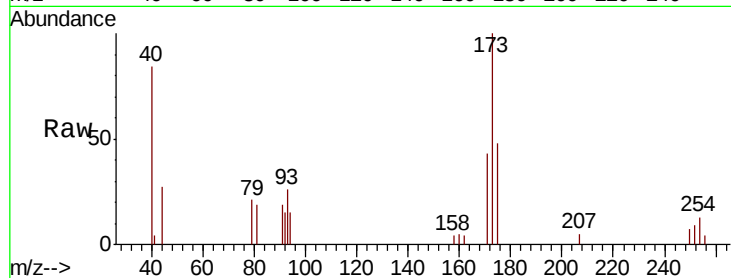




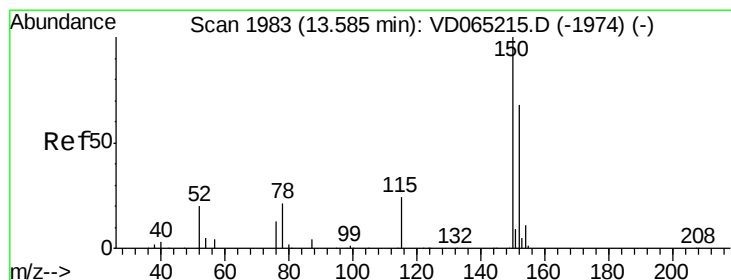
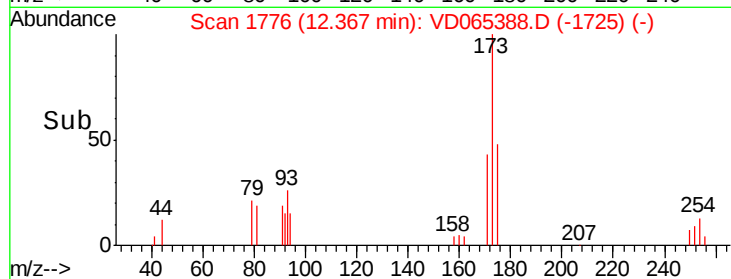
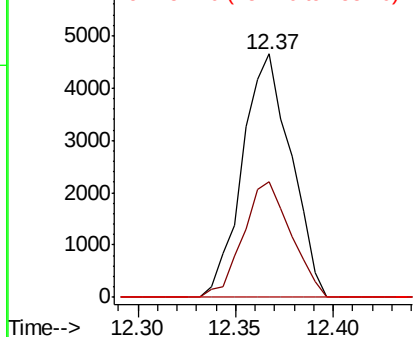
#71
Bromoform
Concen: 3.272 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 8017
Ion Ratio Lower Upper
173 100
175 46.7 24.4 73.4
254 0.0 0.0 0.0

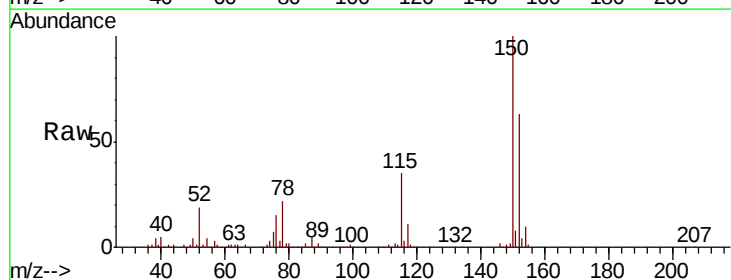


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

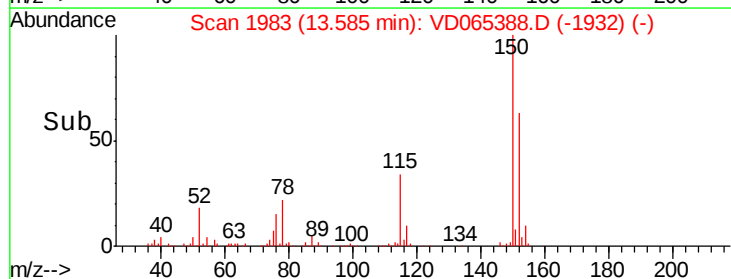
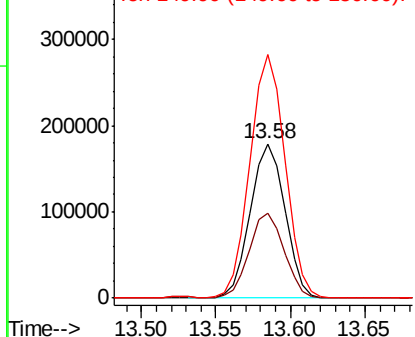


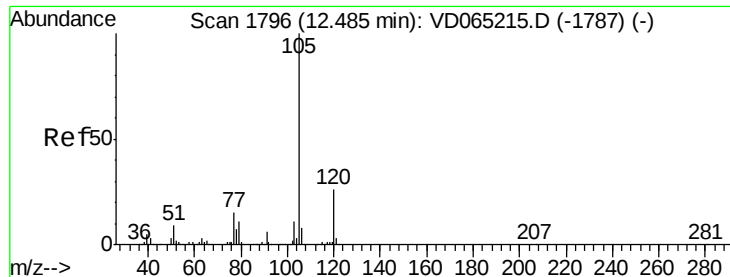
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:152 Resp: 288420
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 159.1 0.0 347.4



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





#73

Isopropylbenzene

Concen: 2.773 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

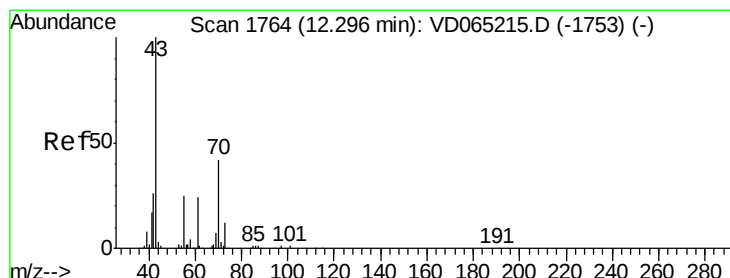
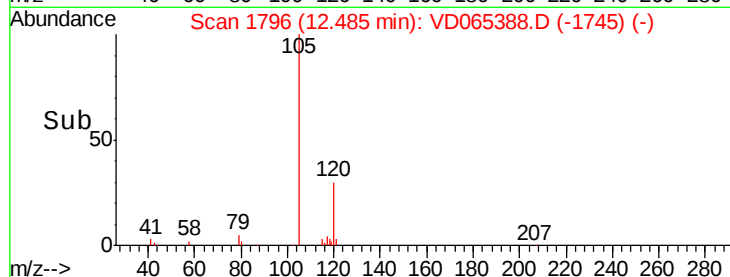
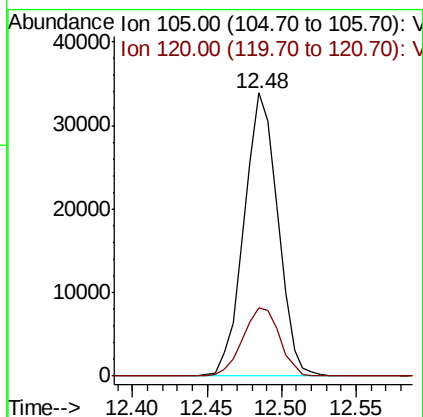
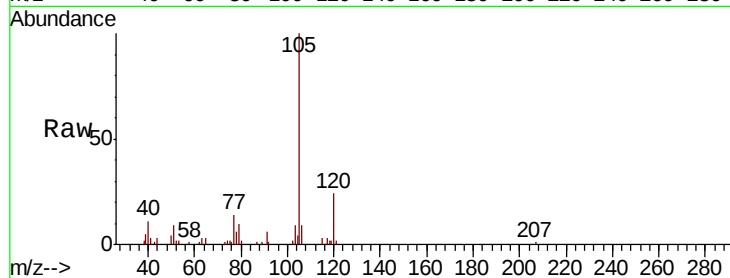
ClientSampleId :

Tot Ion:105 Resp: 52943

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 2.140 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion: 43 Resp: 9080

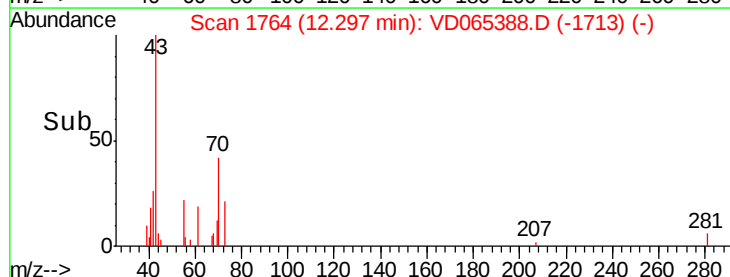
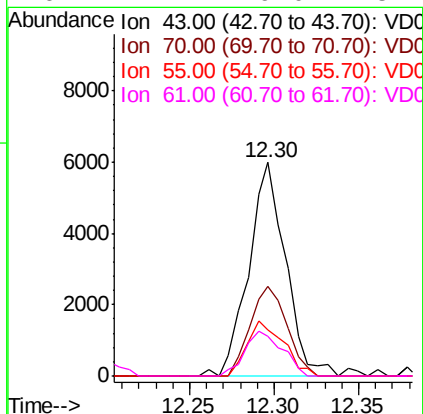
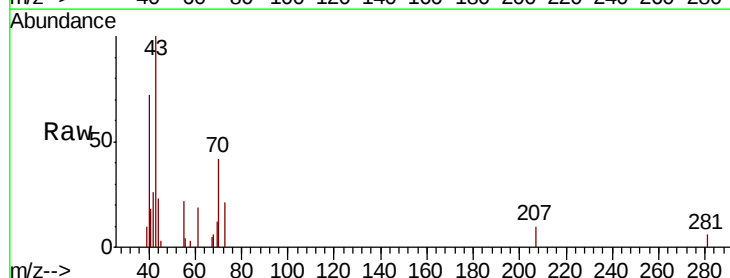
Ion Ratio Lower Upper

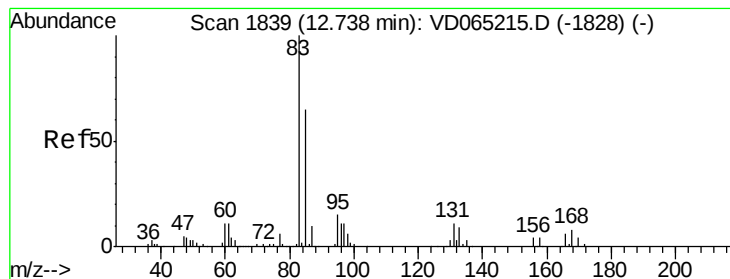
43 100

70 41.7 33.7 50.5

55 25.6 20.7 31.1

61 21.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.473 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

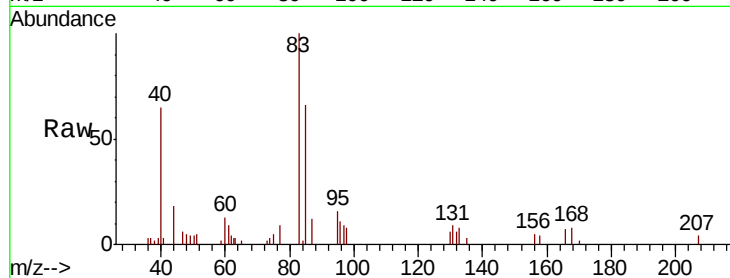
Tot Ion: 83 Resp: 11968

Ion Ratio Lower Upper

83 100

131 9.1 5.4 16.2

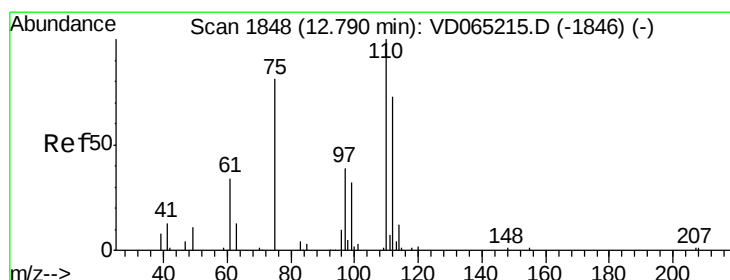
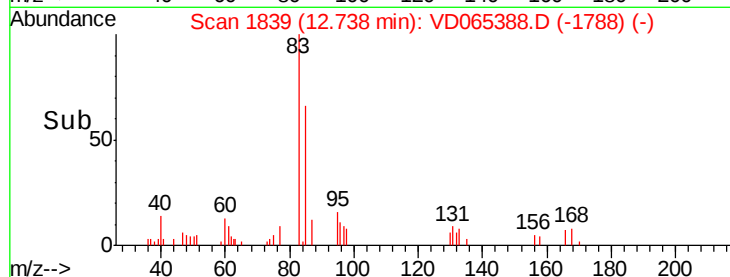
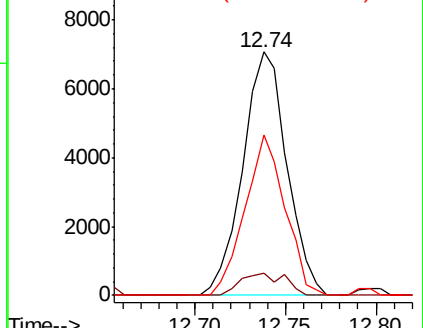
85 59.6 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 5.783 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065388.D

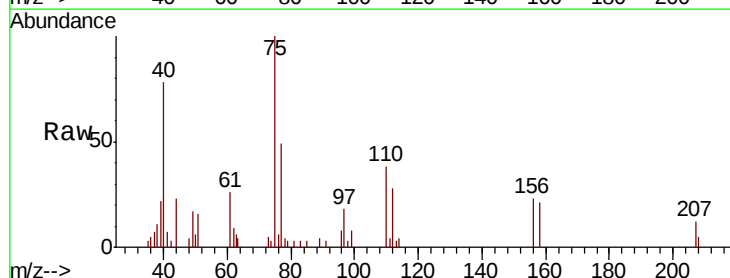
Acq: 03 Mar 2020 12:15

Tgt Ion: 75 Resp: 14191

Ion Ratio Lower Upper

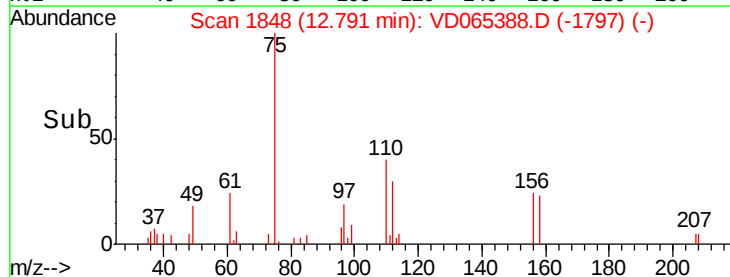
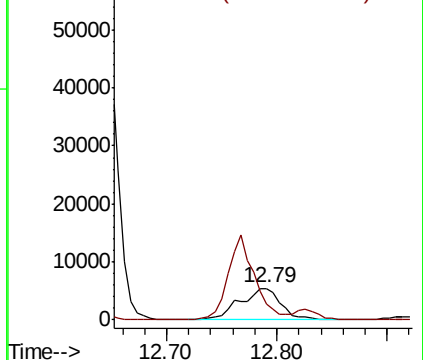
75 100

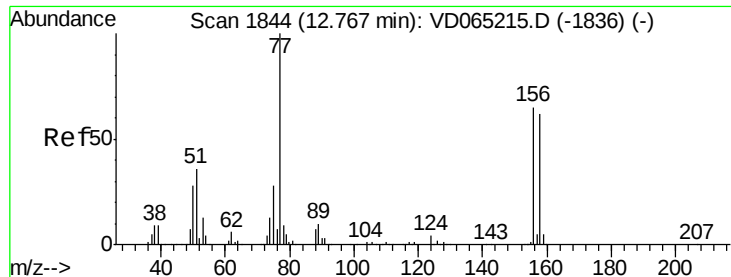
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 3.129 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

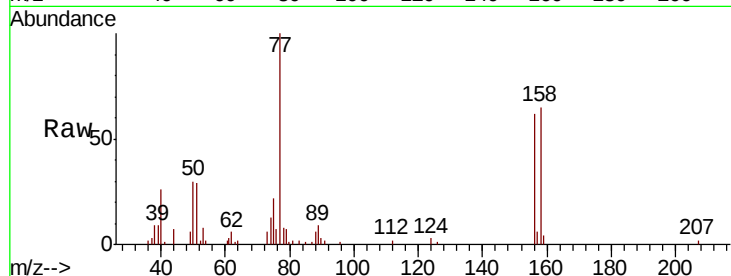
Tot Ion:156 Resp: 14835

Ion Ratio Lower Upper

156 100

77 169.2 86.6 259.7

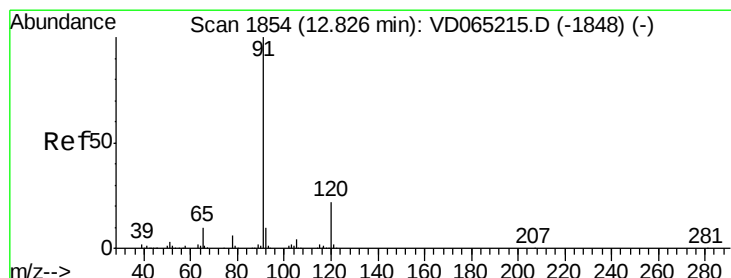
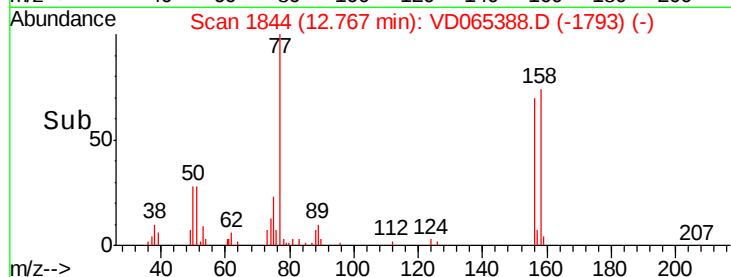
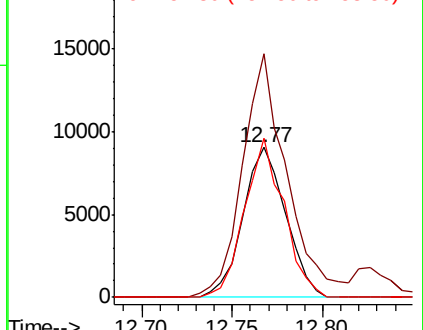
158 97.5 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.812 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065388.D

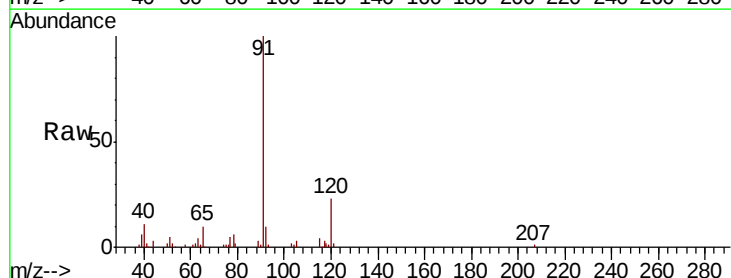
Acq: 03 Mar 2020 12:15

Tgt Ion: 91 Resp: 64520

Ion Ratio Lower Upper

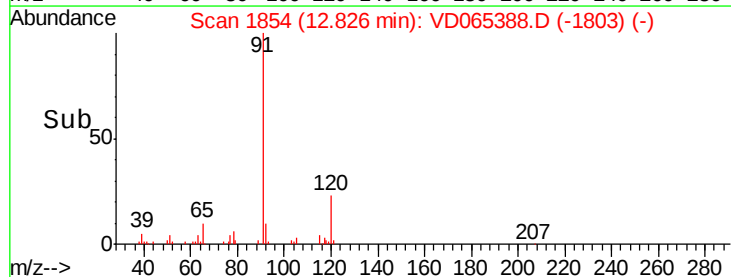
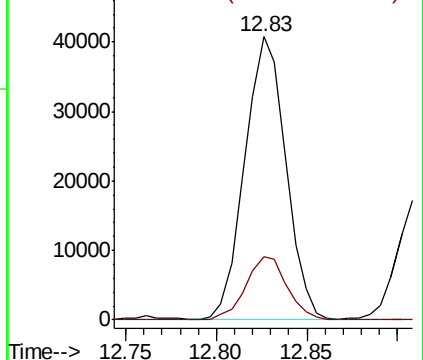
91 100

120 22.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.669 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

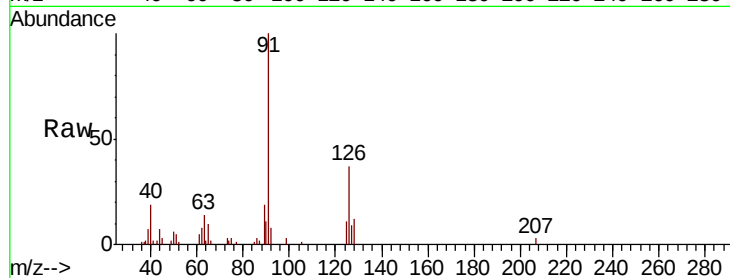
ClientSampleId :

Tot Ion: 91 Resp: 34311

Ion Ratio Lower Upper

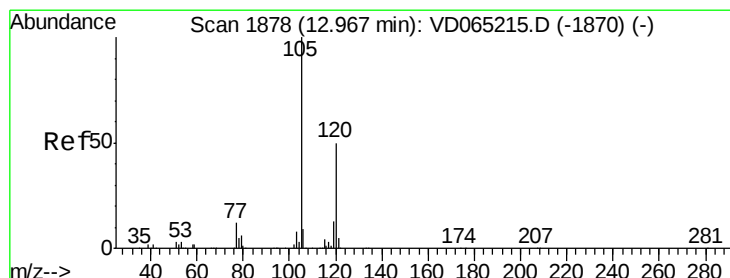
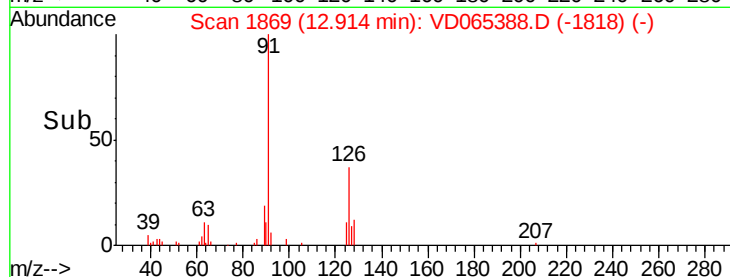
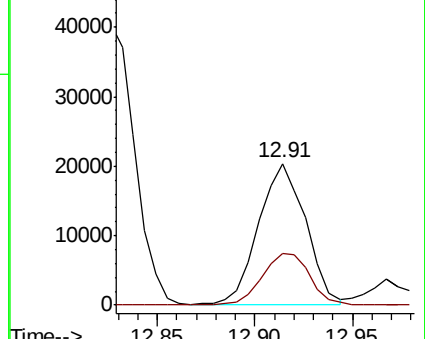
91 100

126 36.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.892 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065388.D

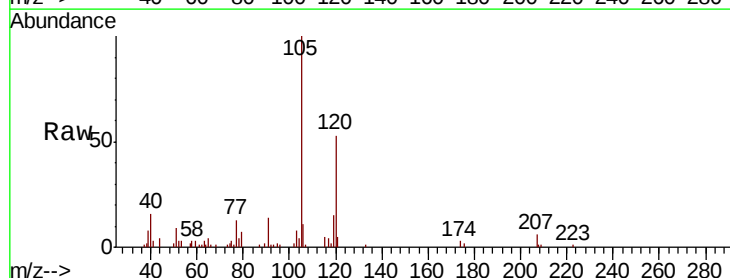
Acq: 03 Mar 2020 12:15

Tgt Ion: 105 Resp: 45481

Ion Ratio Lower Upper

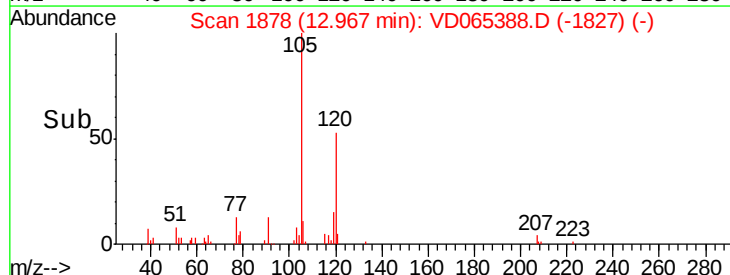
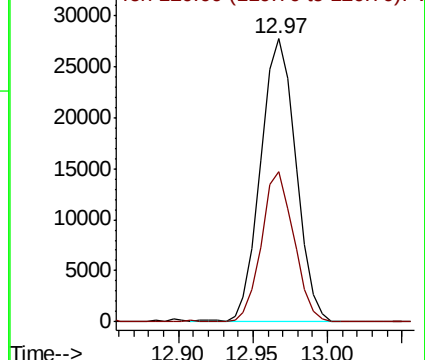
105 100

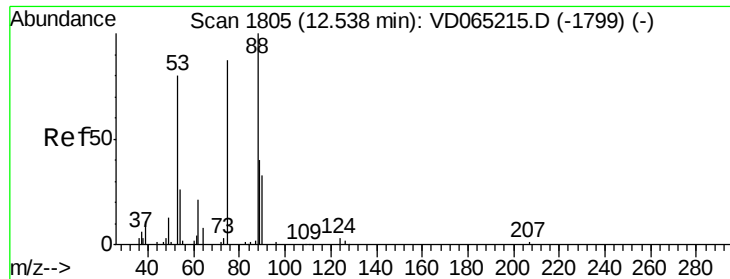
120 48.4 25.4 76.4



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: 112.809 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

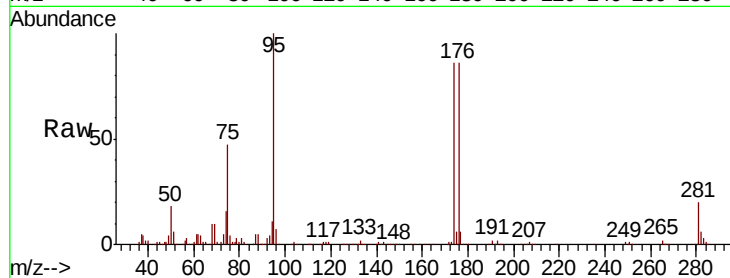
Tot Ion: 75 Resp: 128210

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

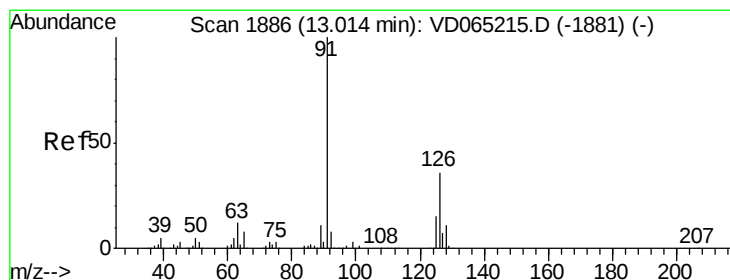
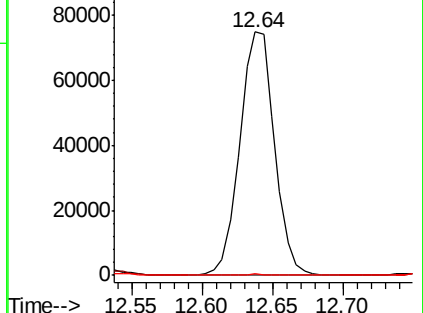
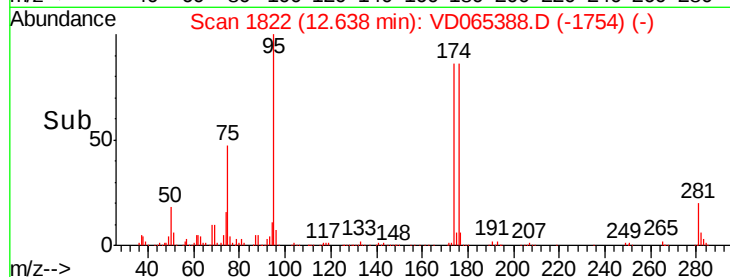
89 0.2 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 2.666 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065388.D

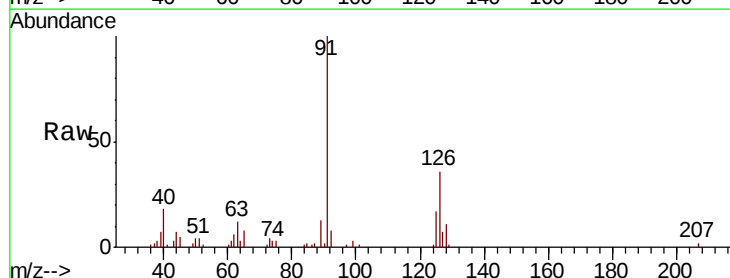
Acq: 03 Mar 2020 12:15

Tgt Ion: 91 Resp: 36381

Ion Ratio Lower Upper

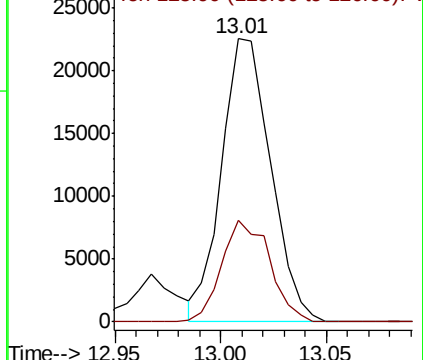
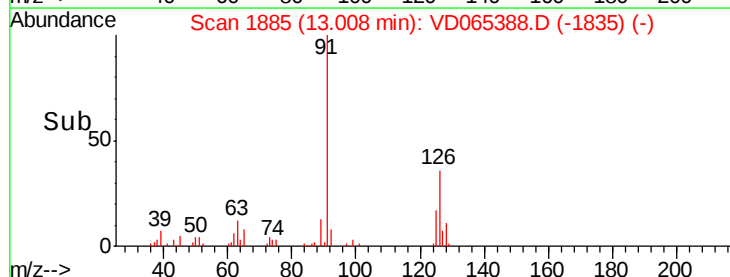
91 100

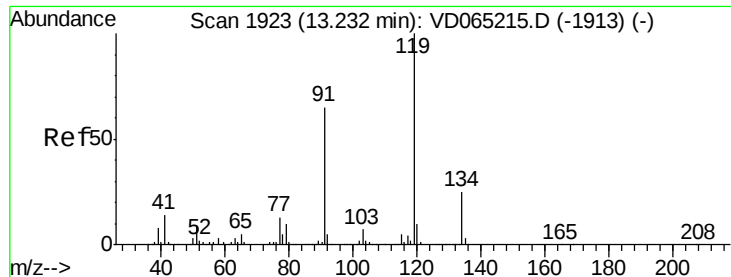
126 35.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

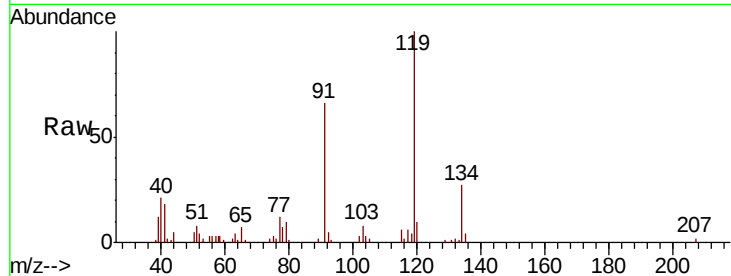




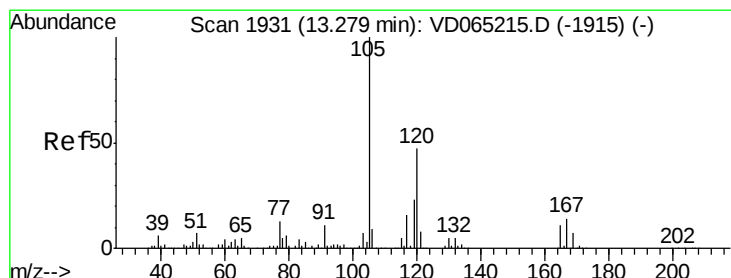
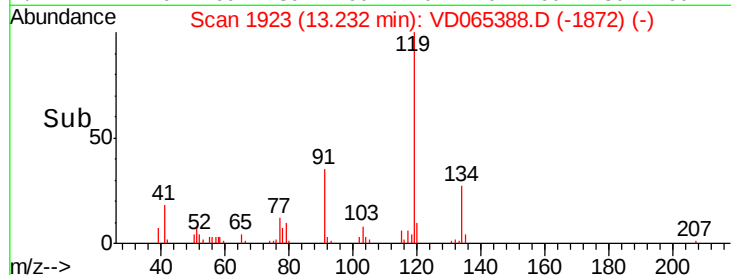
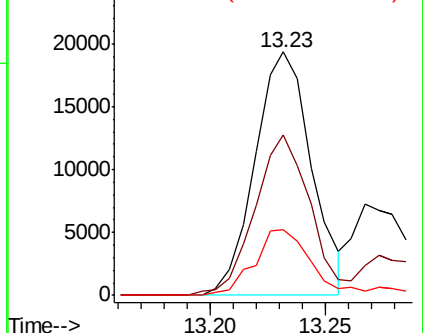
#83
tert-Butylbenzene
Concen: 2.499 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 32942
Ion Ratio Lower Upper
119 100
91 64.5 31.9 95.5
134 27.0 13.8 41.3

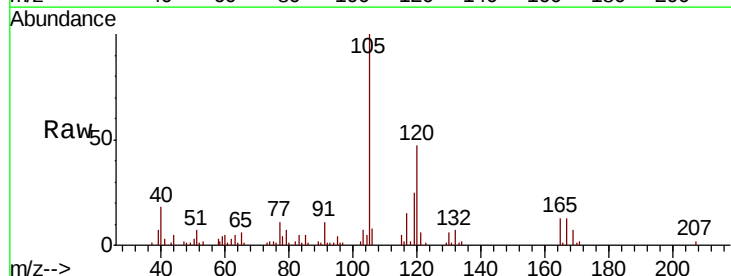


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

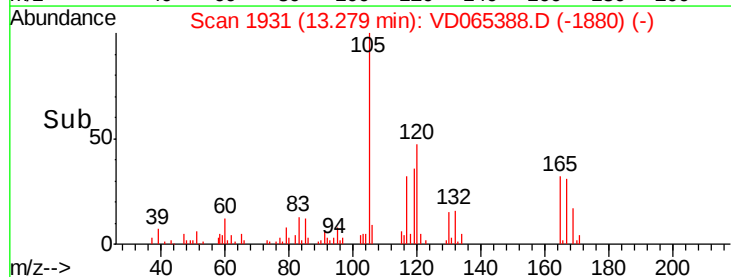
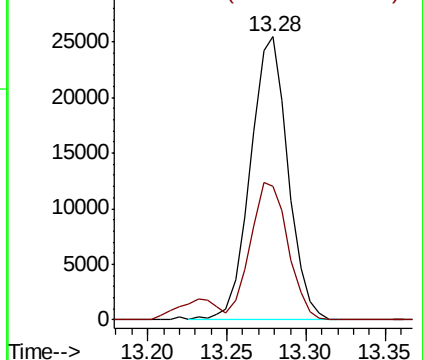


#84
1,2,4-Trimethylbenzene
Concen: 2.663 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:105 Resp: 41927
Ion Ratio Lower Upper
105 100
120 48.5 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 2.564 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

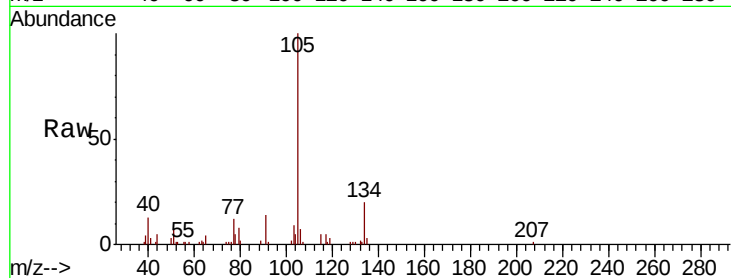
ClientSampleId :

Tot Ion:105 Resp: 48690

Ion Ratio Lower Upper

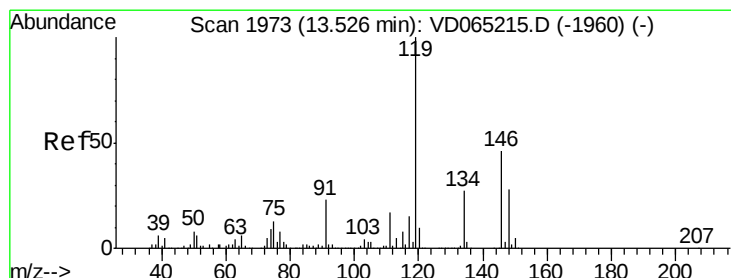
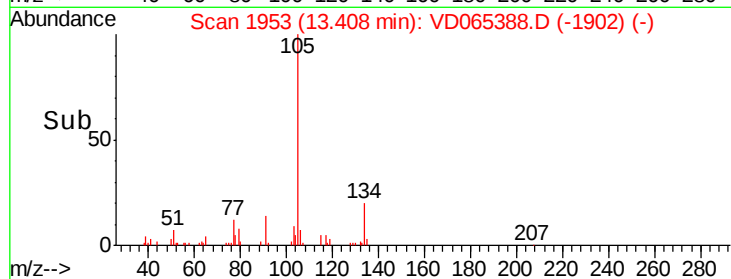
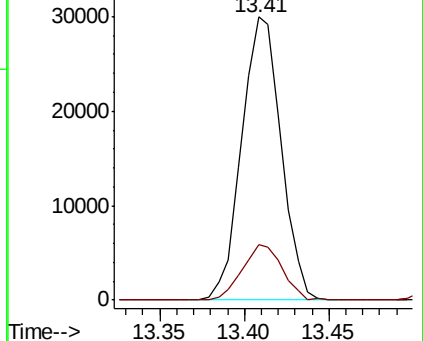
105 100

134 19.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.383 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

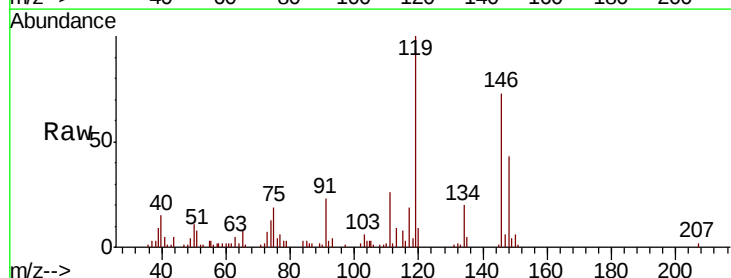
Tgt Ion:119 Resp: 41388

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

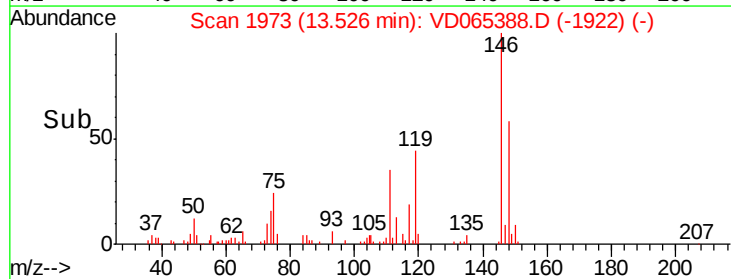
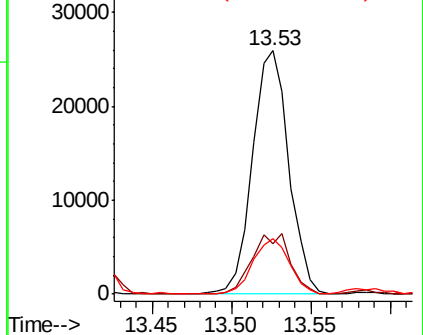
91 22.8 11.1 33.1

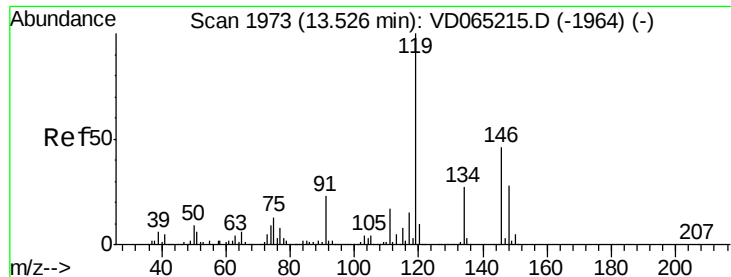


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 3.308 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065388.D

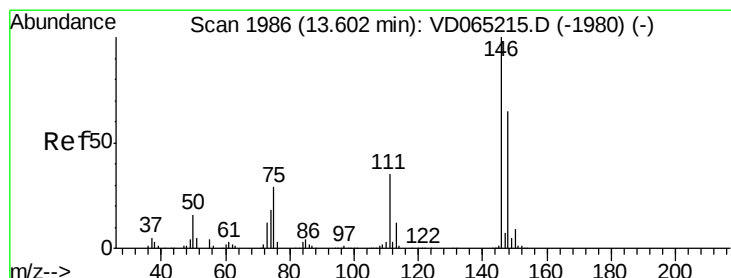
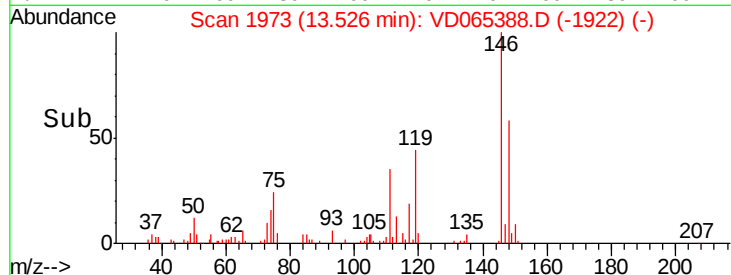
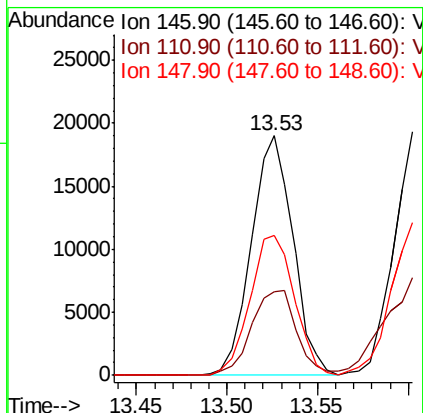
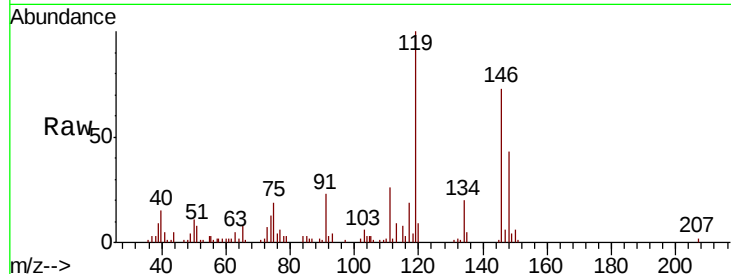
Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	30323
Ion	Ratio	Lower Upper
146	100	
111	38.5	18.6 55.8
148	62.1	31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 3.523 ug/l

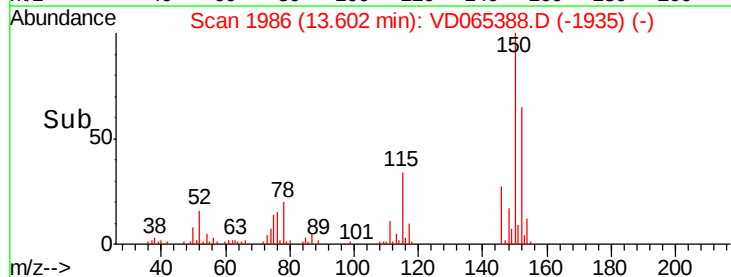
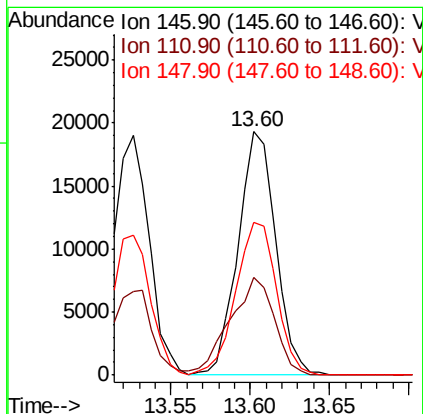
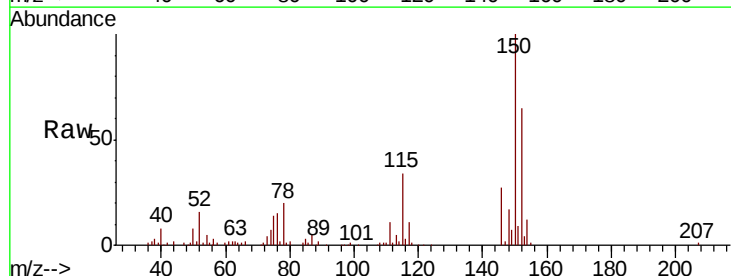
RT: 13.60 min Scan# 1986

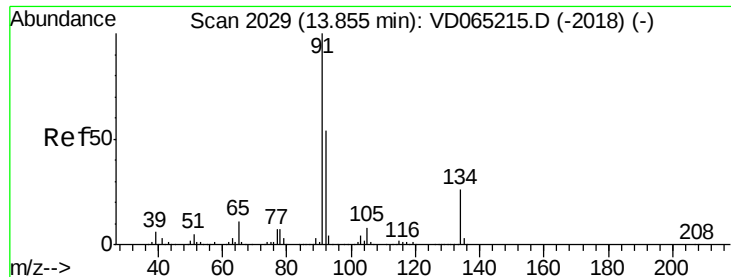
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:146	Resp:	31868
Ion	Ratio	Lower Upper
146	100	
111	47.2	18.4 55.2
148	68.0	32.1 96.5

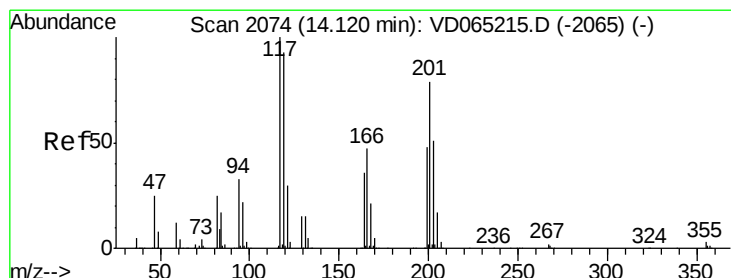
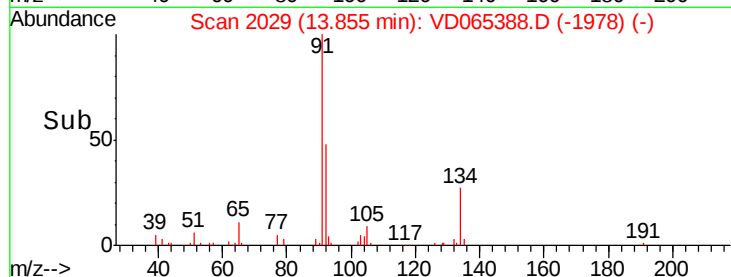
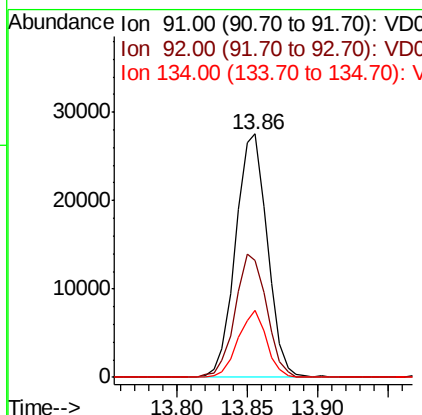
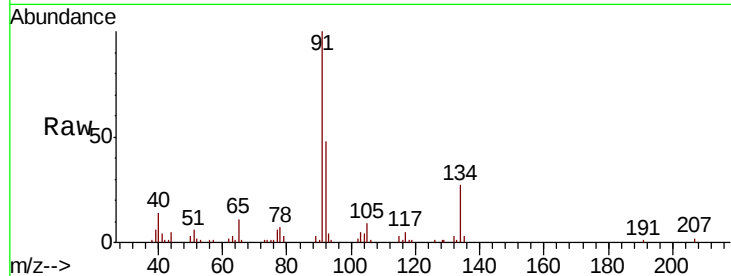




#89
n-Butylbenzene
Concen: 2.702 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

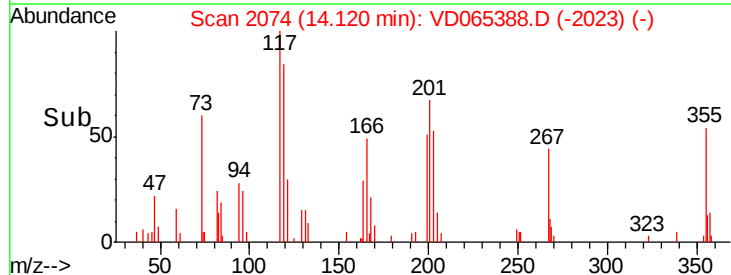
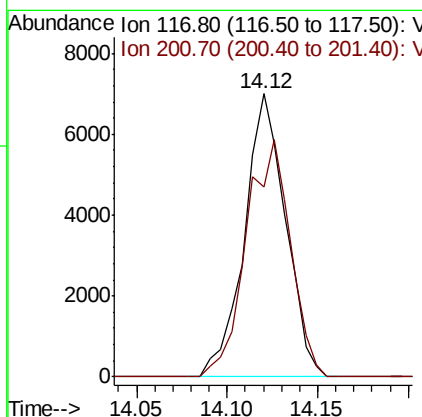
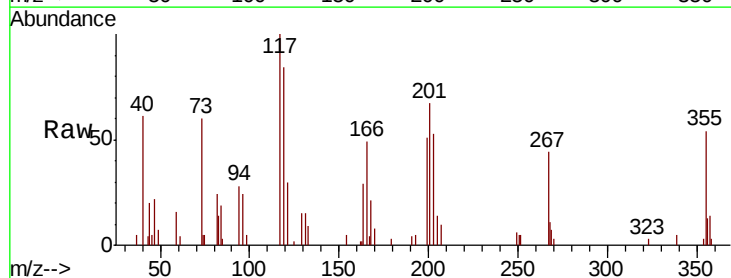
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 43250
Ion Ratio Lower Upper
91 100
92 50.2 27.0 80.8
134 24.7 13.5 40.4



#90
Hexachloroethane
Concen: 3.137 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 117 Resp: 11063
Ion Ratio Lower Upper
117 100
201 90.0 41.3 124.1

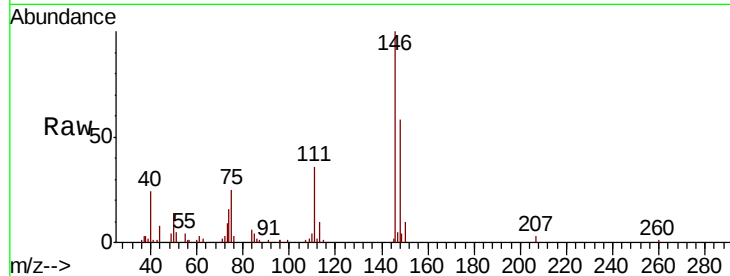




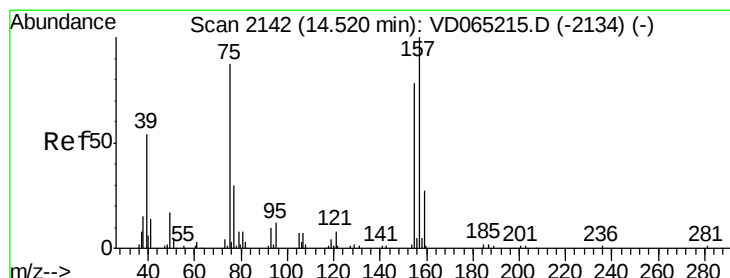
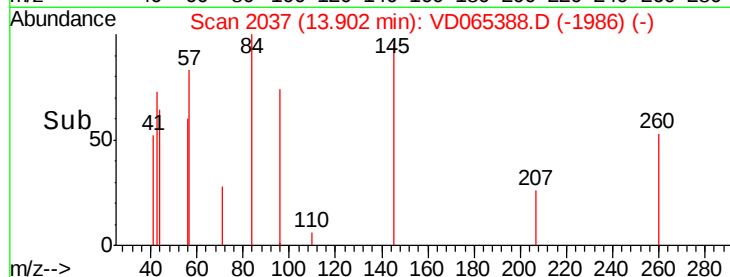
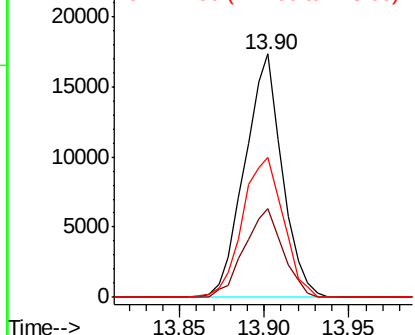
#91
 1,2-Dichlorobenzene
 Concen: 3.393 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.0
148	63.3	32.0	96.2

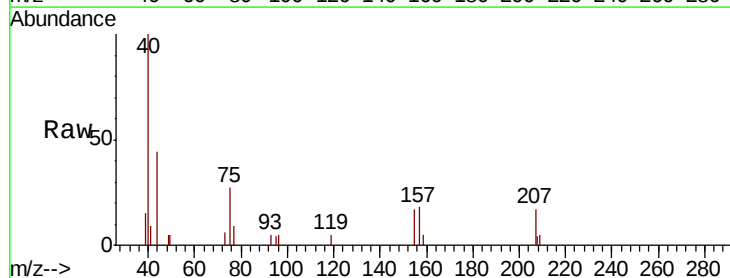


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

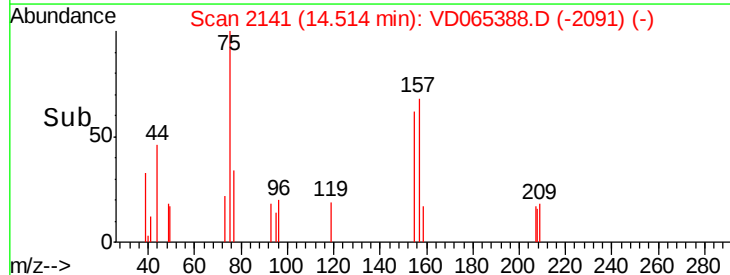
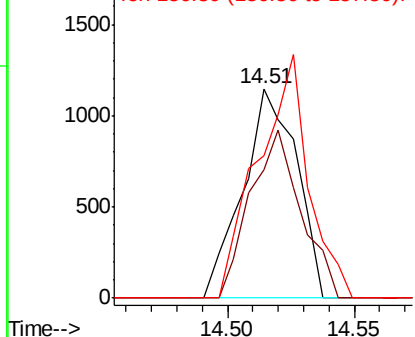


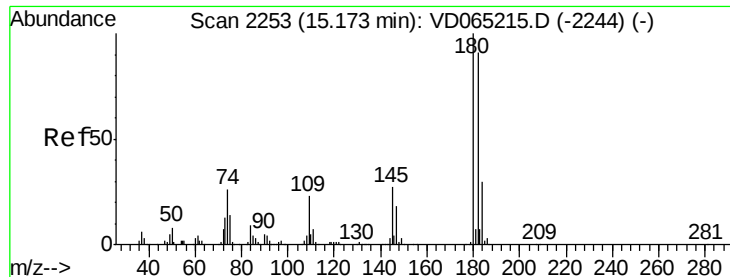
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.205 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	42.3	126.9
157	109.5	56.7	170.1



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

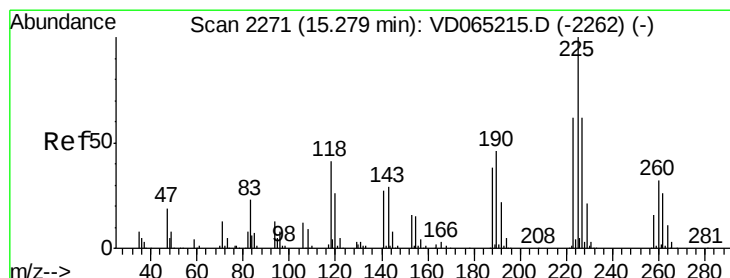
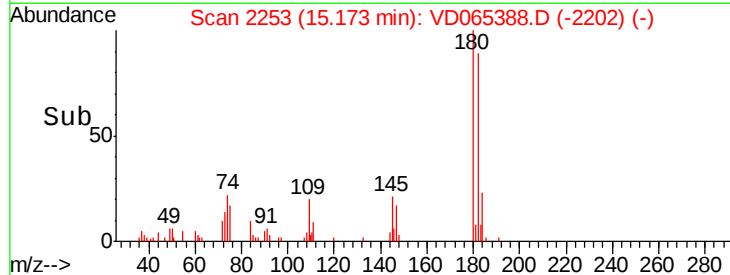
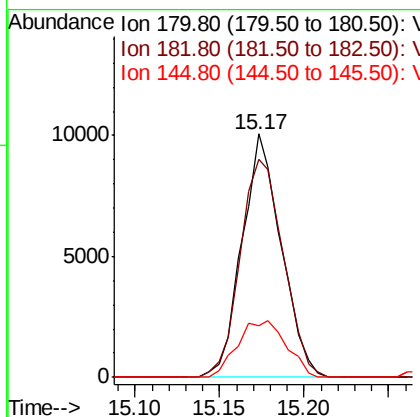
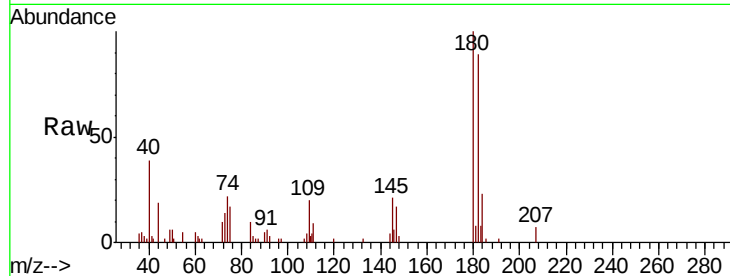




#93
 1,2,4-Trichlorobenzene
 Concen: 3.152 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

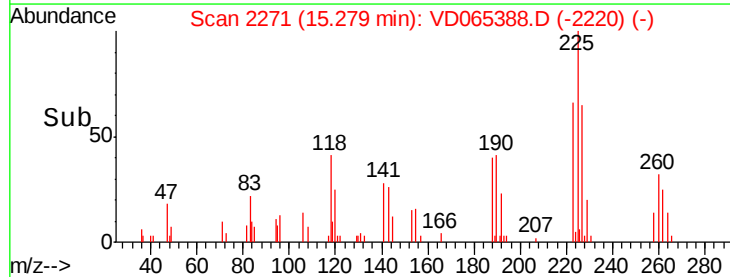
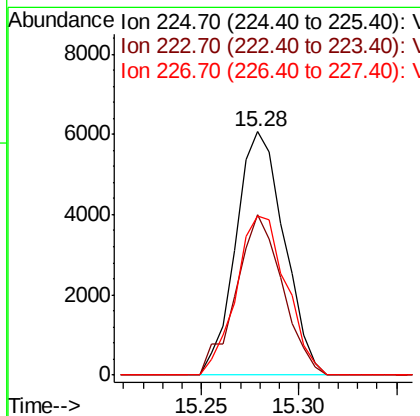
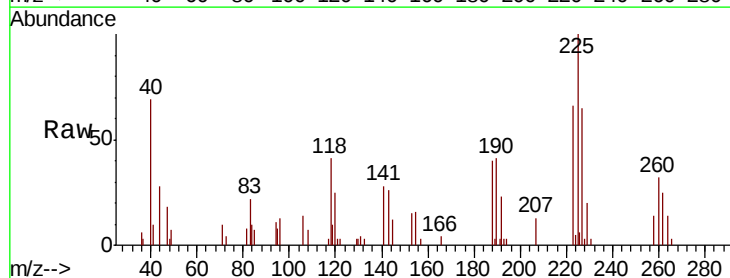
Instrument :
 MSVOA_D
 ClientSampleId :

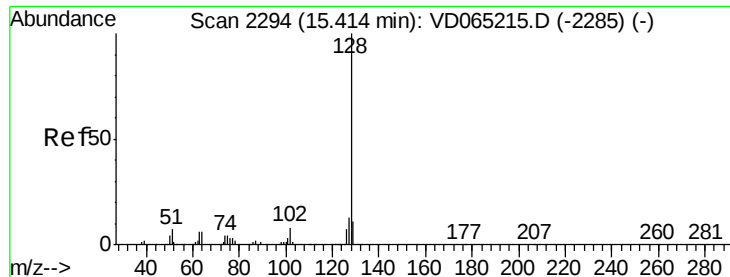
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.9	140.6
145	28.6	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 3.143 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.2
227	68.0	31.7	95.1





#95

Naphthalene

Concen: 2.601 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

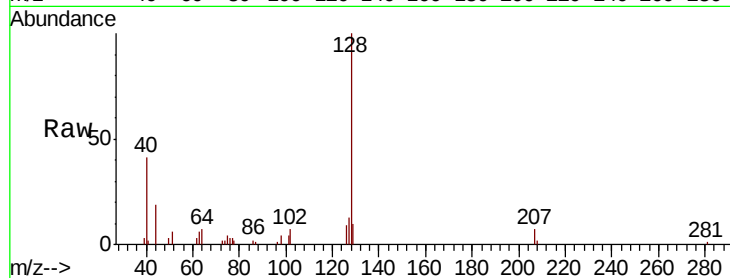
Tot Ion:128 Resp: 21771

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

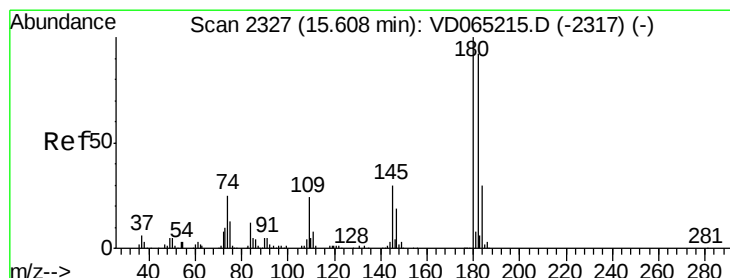
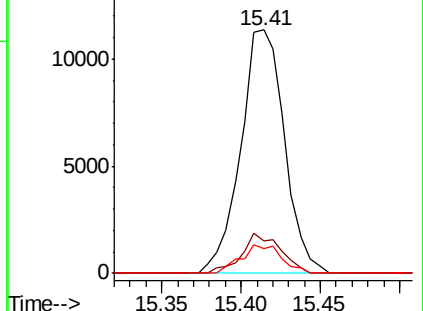
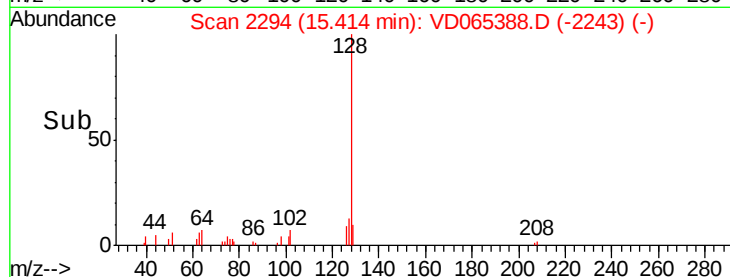
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.530 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

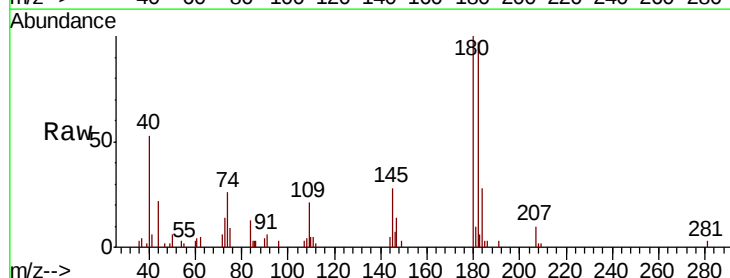
Tgt Ion:180 Resp: 15872

Ion Ratio Lower Upper

180 100

182 93.5 46.9 140.6

145 30.4 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

