

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065340.D
 Acq On : 27 Feb 2020 11:23
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:34:02 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	476168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	696489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200118	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.92	113	212177	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.34	98	829082	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	263402	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70205	17.579	ug/l	98
3) Chloromethane	2.21	50	91261	17.953	ug/l	94
4) Vinyl Chloride	2.36	62	94223	18.228	ug/l	97
5) Bromomethane	2.77	94	60997	19.517	ug/l	99
6) Chloroethane	2.93	64	59308	18.797	ug/l	98
7) Trichlorofluoromethane	3.27	101	143462	19.385	ug/l	92
8) Diethyl Ether	3.71	74	44726	20.022	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94290	20.176	ug/l	99
10) Methyl Iodide	4.30	142	94218	19.417	ug/l	98
11) Tert butyl alcohol	5.24	59	31568	123.325	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	86171	19.519	ug/l	99
13) Acrolein	3.93	56	34337	90.893	ug/l	98
14) Allyl chloride	4.71	41	135910	18.957	ug/l	98
15) Acrylonitrile	5.44	53	98384	99.476	ug/l	97
16) Acetone	4.16	43	91629	87.505	ug/l	96
17) Carbon Disulfide	4.40	76	275242	18.596	ug/l	100
18) Methyl Acetate	4.72	43	50656	21.509	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172418	18.728	ug/l	99
20) Methylene Chloride	4.97	84	105652	19.889	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	98909	19.708	ug/l	98
22) Diisopropyl ether	6.37	45	274797	19.883	ug/l	100
23) Vinyl Acetate	6.31	43	700078	91.883	ug/l	99
24) 1,1-Dichloroethane	6.27	63	168492	19.655	ug/l	99
25) 2-Butanone	7.23	43	118114	89.153	ug/l	95
26) 2,2-Dichloropropane	7.21	77	149495	20.100	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103369	19.444	ug/l	99
28) Bromochloromethane	7.55	49	58731	18.467	ug/l	99
29) Tetrahydrofuran	7.57	42	74116	95.478	ug/l	98
30) Chloroform	7.71	83	173838	20.128	ug/l	96
31) Cyclohexane	7.98	56	161919	19.224	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	156115	20.203	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137896	20.348	ug/l	99
37) Ethyl Acetate	7.30	43	52525	18.540	ug/l	96
38) Carbon Tetrachloride	8.10	117	141080	20.450	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159314	19.996	ug/l	99
40) Benzene	8.36	78	386296	20.195	ug/l	98
41) Methacrylonitrile	7.53	41	30623	18.721	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104427	19.858	ug/l	100
43) Isopropyl Acetate	8.46	43	97449	18.915	ug/l	98
44) Trichloroethene	9.11	130	109681	20.685	ug/l	95
45) 1,2-Dichloropropane	9.39	63	95475	20.073	ug/l	93
46) Dibromomethane	9.48	93	50204	20.514	ug/l	99
47) Bromodichloromethane	9.67	83	128688	19.953	ug/l	97
48) Methyl methacrylate	9.46	41	50422	21.174	ug/l	97
49) 1,4-Dioxane	9.47	88	10973	382.296	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	255457	97.627	ug/l	99
52) Toluene	10.41	92	256185	21.637	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118924	19.893	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	142790	19.780	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	71200	20.670	ug/l	99
56) Ethyl methacrylate	10.67	69	78490	19.742	ug/l	97
57) 1,3-Dichloropropane	10.95	76	122572	20.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120100	95.816	ug/l	97
59) 2-Hexanone	10.99	43	178046	95.053	ug/l	99
60) Dibromochloromethane	11.15	129	89884	20.388	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69051	21.172	ug/l	97
64) Tetrachloroethene	10.88	164	96870	21.307	ug/l	96
65) Chlorobenzene	11.67	112	266419	20.710	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97040	20.214	ug/l	99
67) Ethyl Benzene	11.75	91	450683	20.004	ug/l	99
68) m/p-Xylenes	11.86	106	361593	41.949	ug/l	99
69) o-Xylene	12.19	106	154751	20.264	ug/l	100
70) Styrene	12.20	104	281831	20.786	ug/l	99
71) Bromoform	12.37	173	53886	20.229	ug/l #	99
73) Isopropylbenzene	12.48	105	431954	20.319	ug/l	100
74) N-amyl acetate	12.30	43	85937	18.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75880	19.777	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	96789	35.427	ug/l #	100
77) Bromobenzene	12.77	156	106748	20.221	ug/l	99
78) n-propylbenzene	12.83	91	530126	20.751	ug/l	99
79) 2-Chlorotoluene	12.91	91	287852	20.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360971	20.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22838	18.049	ug/l	97
82) 4-Chlorotoluene	13.01	91	311653	20.512	ug/l	100
83) tert-Butylbenzene	13.23	119	294360	20.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362562	20.688	ug/l	100
85) sec-Butylbenzene	13.41	105	432433	20.450	ug/l	100
86) p-Isopropyltoluene	13.53	119	403266	20.854	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207012	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	206389	20.491	ug/l	99
89) n-Butylbenzene	13.86	91	365809	20.528	ug/l	99
90) Hexachloroethane	14.13	117	79238	20.180	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175088	19.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11668	19.734	ug/l	96

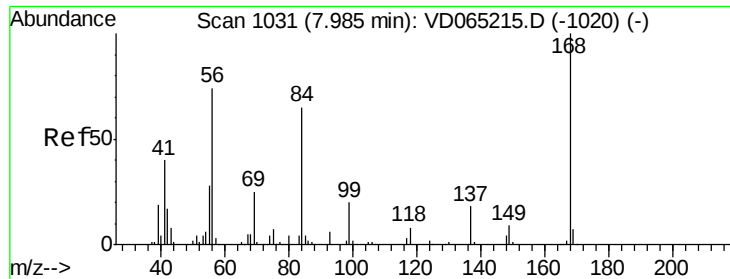
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115841	20.210	ug/l	95
94) Hexachlorobutadiene	15.28	225	75723	20.595	ug/l	100
95) Naphthalene	15.41	128	178733	19.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103739	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

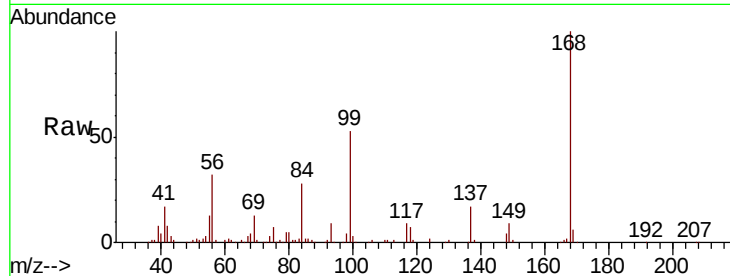
ClientSampleId :

Tot Ion:168 Resp: 476168

Ion Ratio Lower Upper

168 100

99 52.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

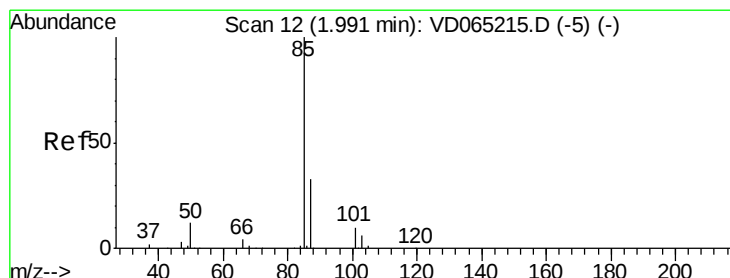
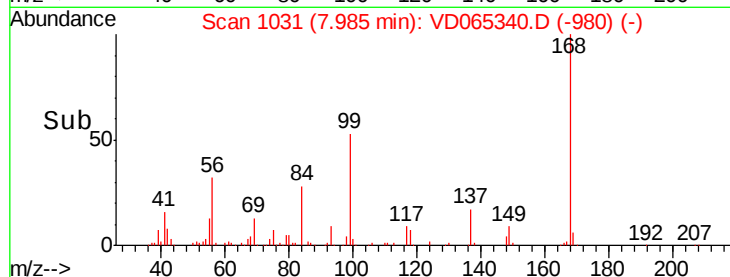
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.579 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065340.D

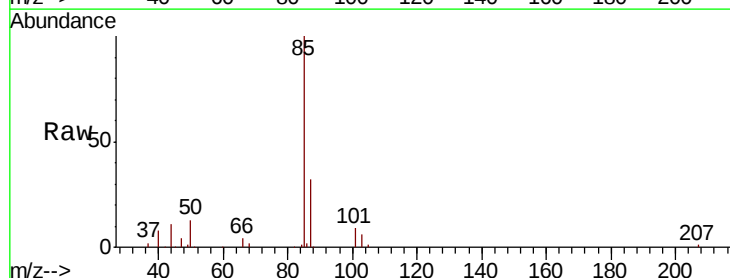
Acq: 27 Feb 2020 11:23

Tgt Ion: 85 Resp: 70205

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

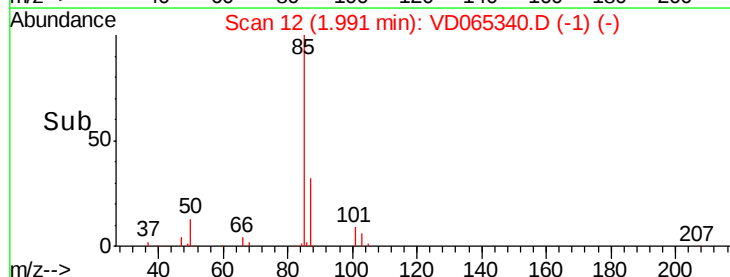
20000

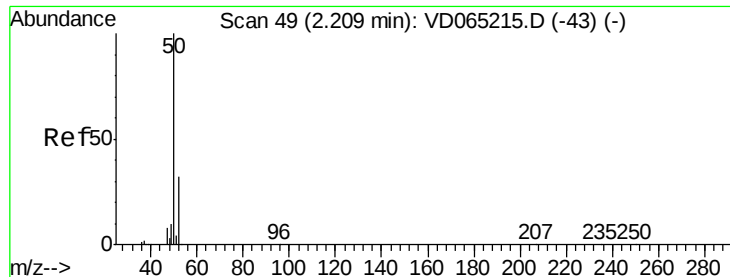
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 17.953 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

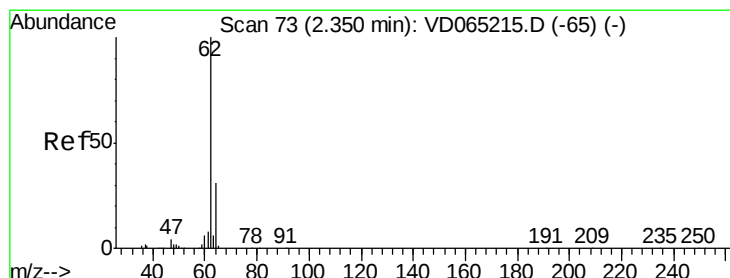
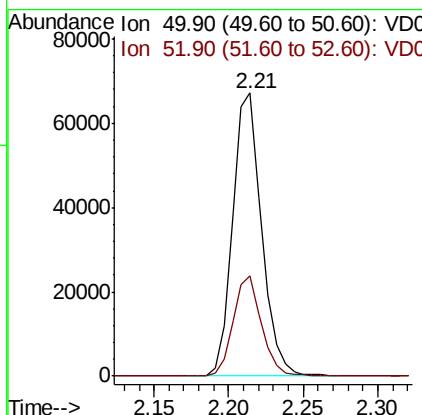
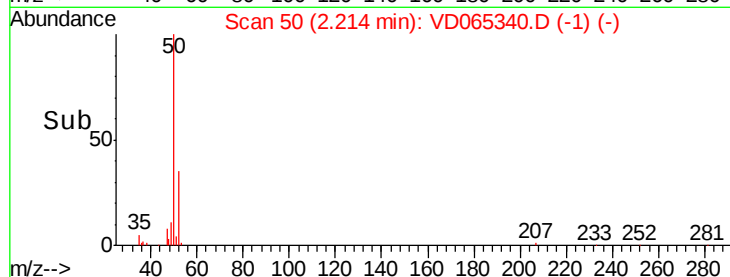
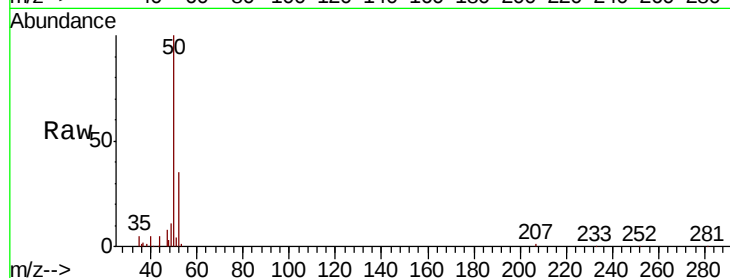
ClientSampled :

Tot Ion: 50 Resp: 91261

Ion Ratio Lower Upper

50 100

52 35.3 25.5 38.3



#4

Vinyl Chloride

Concen: 18.228 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065340.D

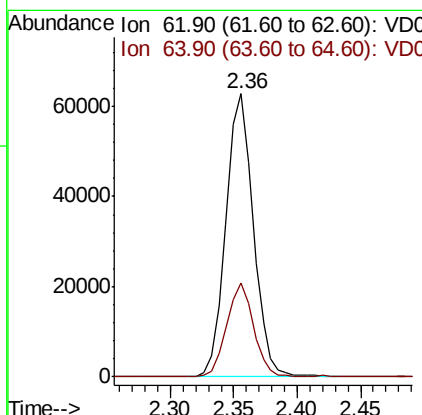
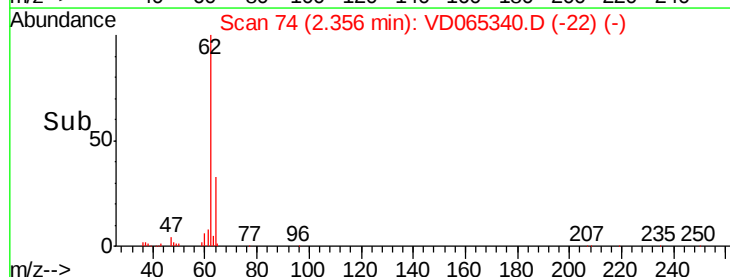
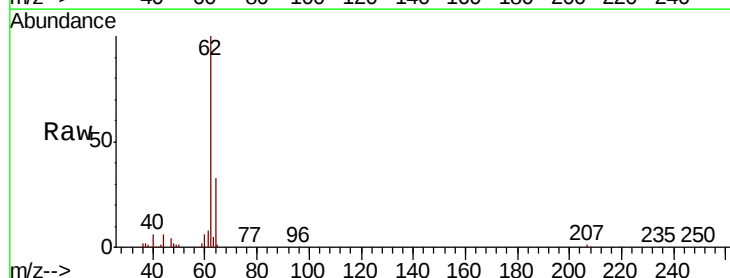
Acq: 27 Feb 2020 11:23

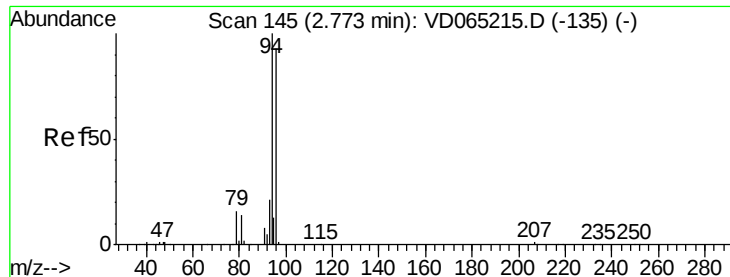
Tgt Ion: 62 Resp: 94223

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.6





#5

Bromomethane

Concen: 19.517 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

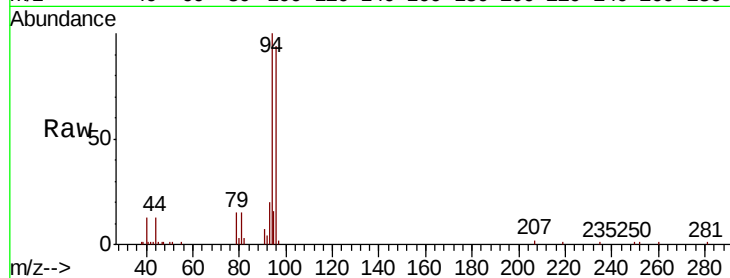
ClientSampleId :

Tot Ion: 94 Resp: 60997

Ion Ratio Lower Upper

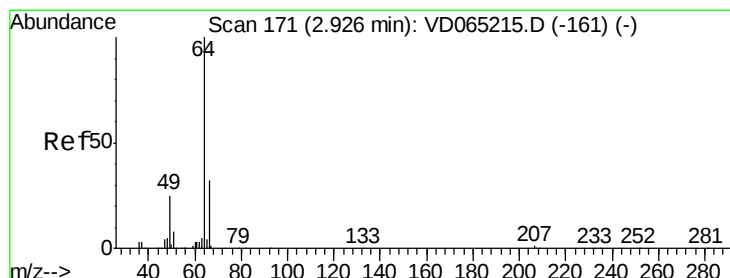
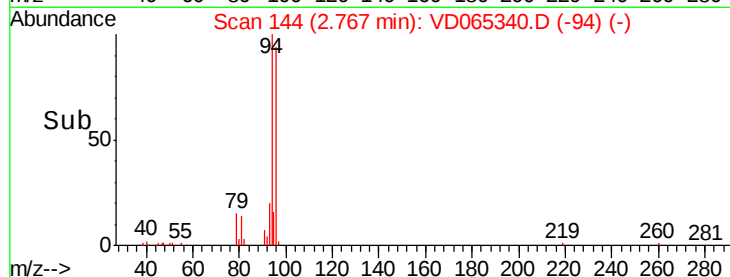
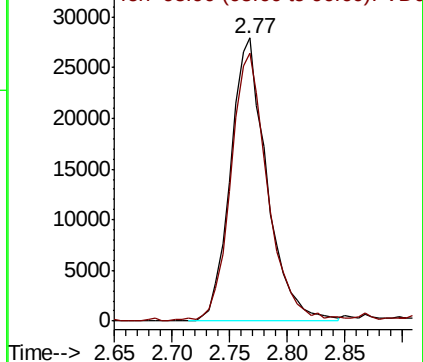
94 100

96 93.5 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: 18.797 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065340.D

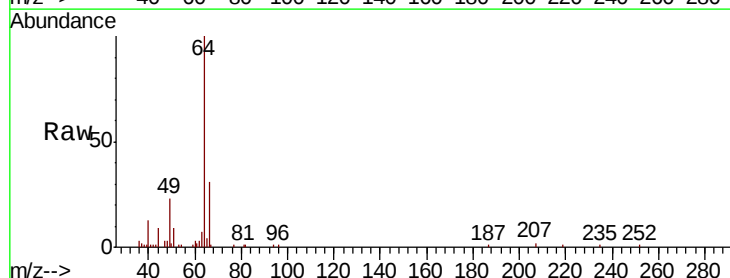
Acq: 27 Feb 2020 11:23

Tgt Ion: 64 Resp: 59308

Ion Ratio Lower Upper

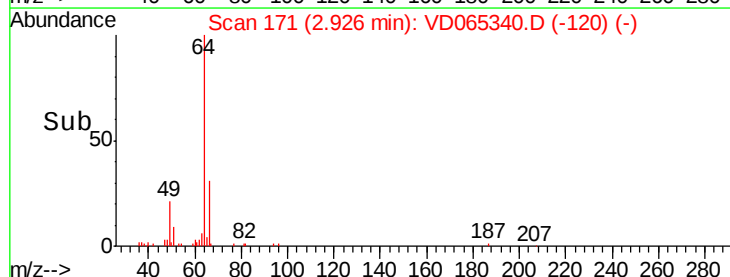
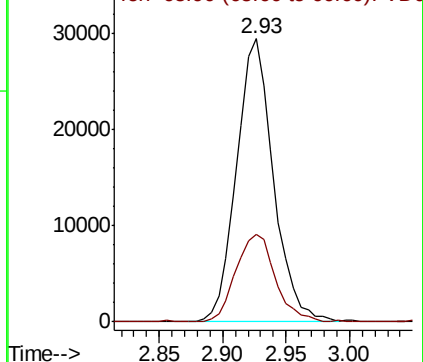
64 100

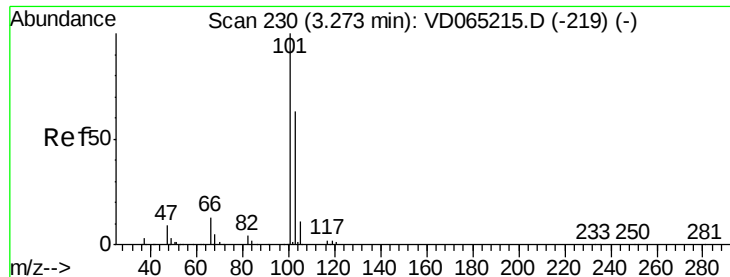
66 30.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



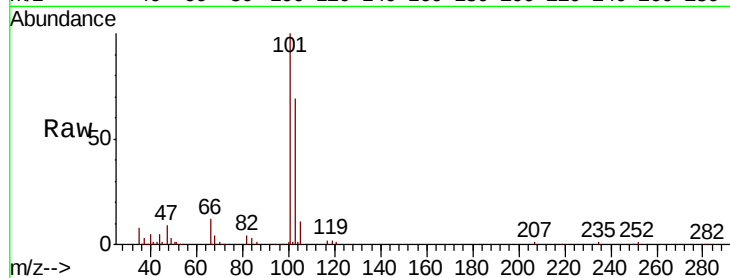


#7

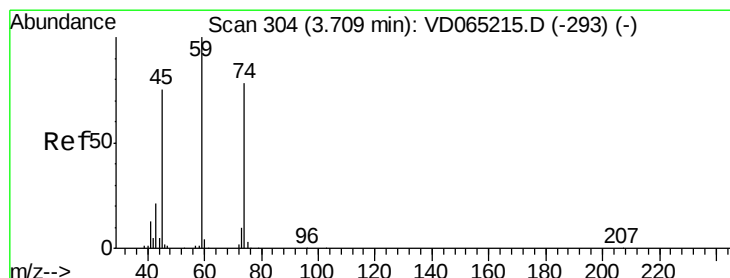
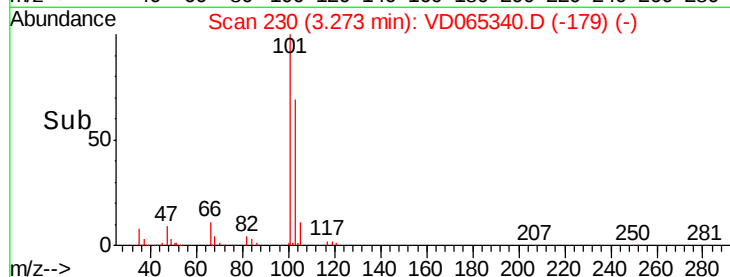
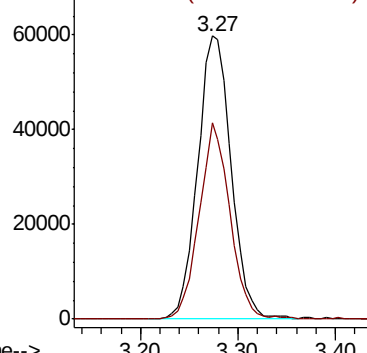
Trichlorofluoromethane
 Concen: 19.385 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 143462
 Ion Ratio Lower Upper
 101 100
 103 69.5 50.7 76.1



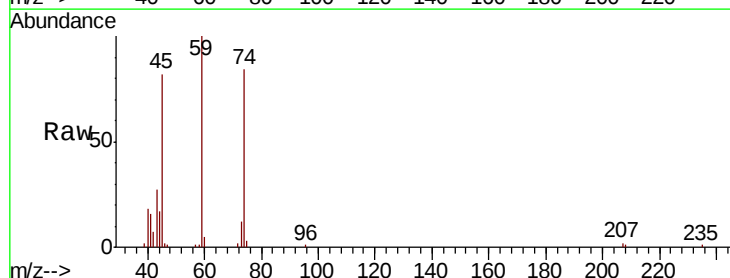
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



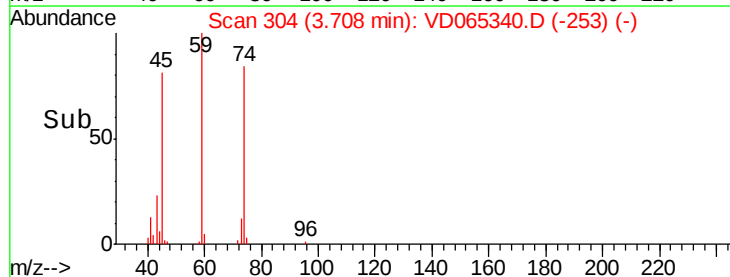
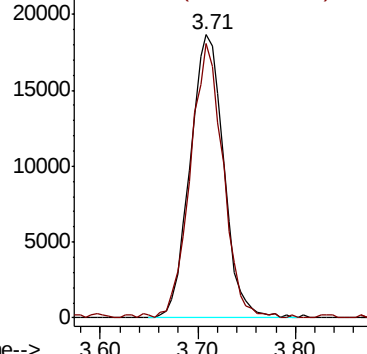
#8

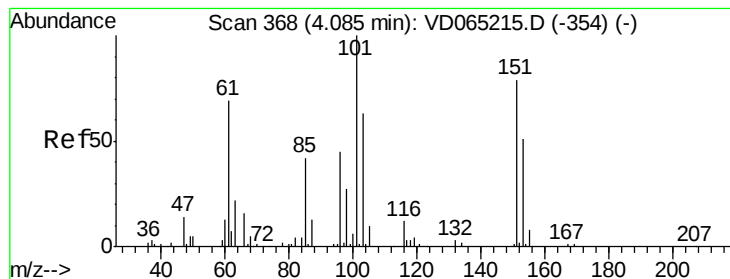
Diethyl Ether
 Concen: 20.022 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion: 74 Resp: 44726
 Ion Ratio Lower Upper
 74 100
 45 94.3 50.0 149.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.176 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

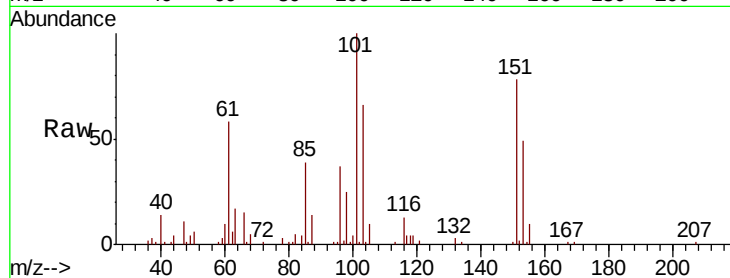
Tot Ion:101 Resp: 94290

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

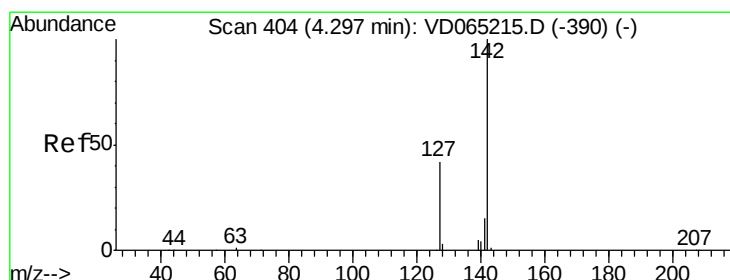
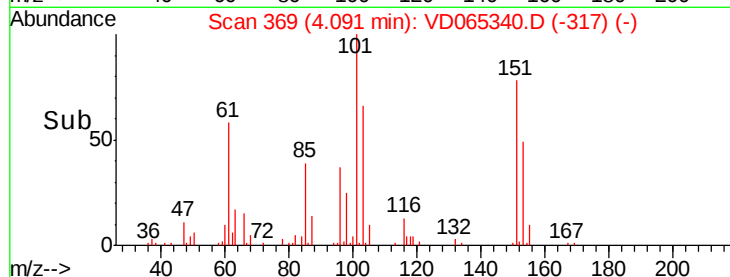
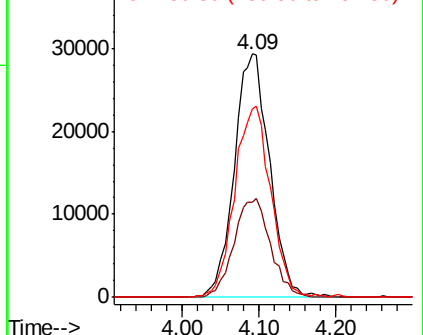
151 79.8 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.417 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

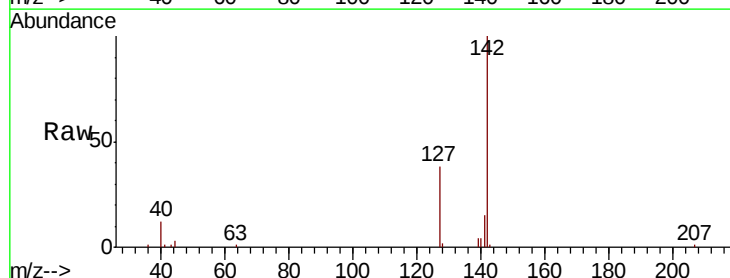
Tgt Ion:142 Resp: 94218

Ion Ratio Lower Upper

142 100

127 41.1 33.8 50.8

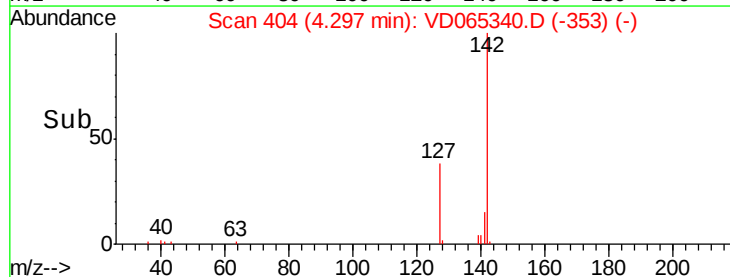
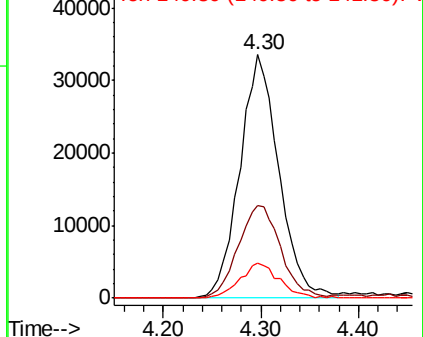
141 14.4 11.7 17.5

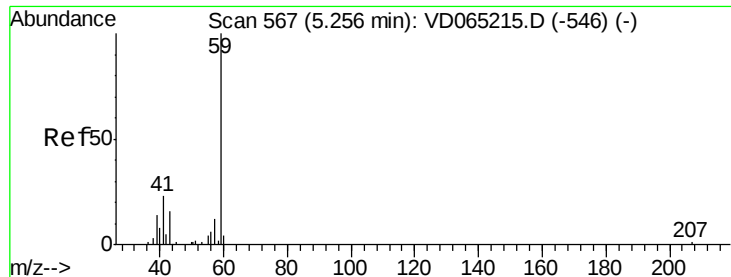


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



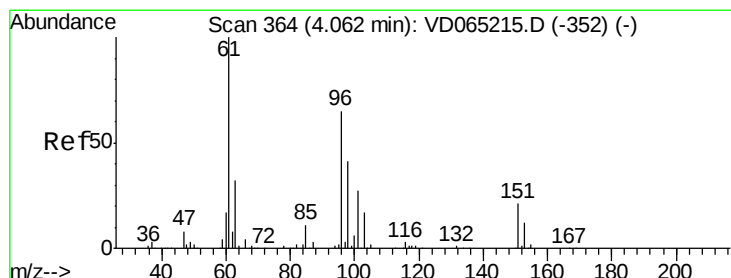
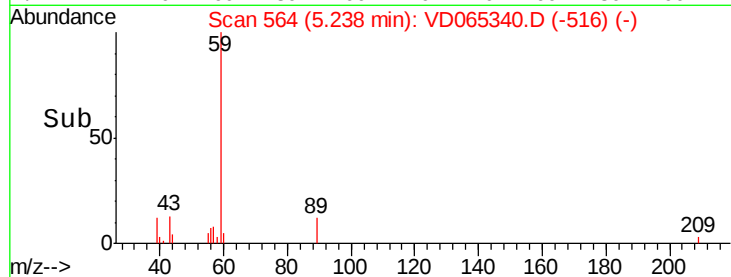
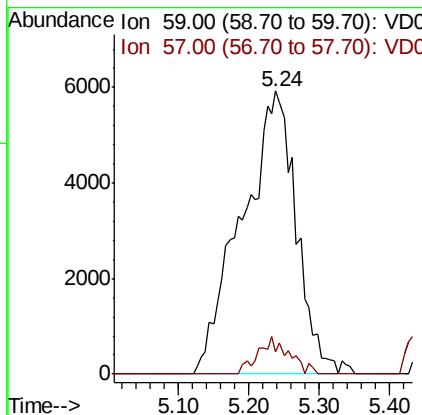
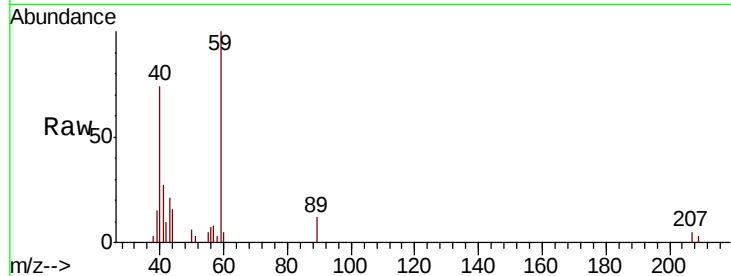


#11

Tert butyl alcohol
 Concen: 123.325 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :

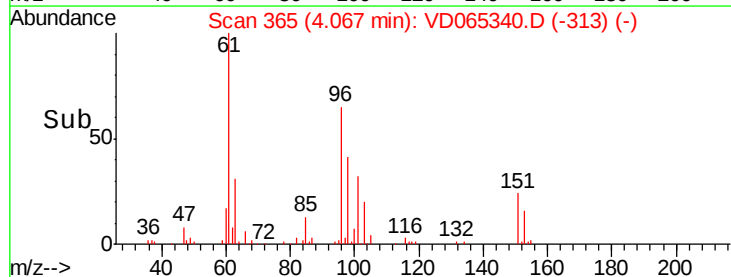
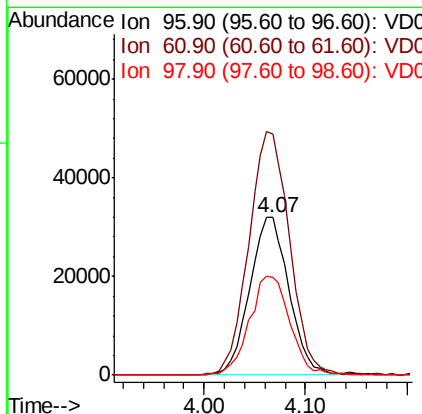
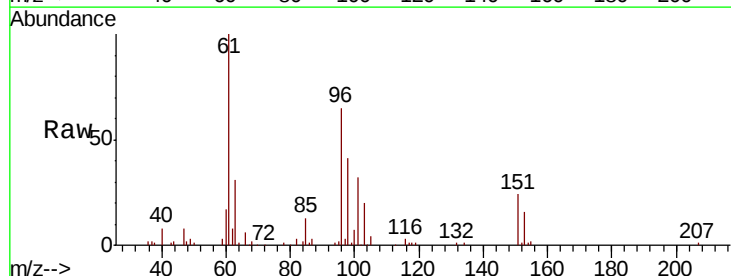
Tot Ion: 59 Resp: 31568
 Ion Ratio Lower Upper
 59 100
 57 7.0 8.4 12.6#

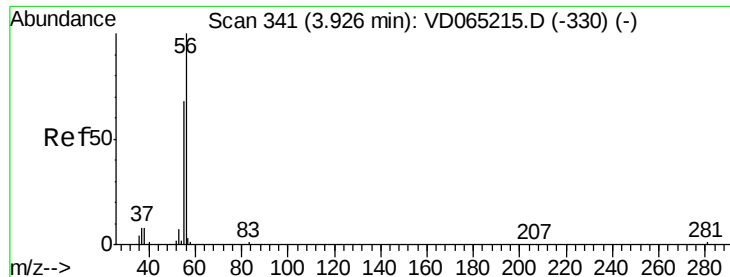


#12

1,1-Dichloroethene
 Concen: 19.519 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion: 96 Resp: 86171
 Ion Ratio Lower Upper
 96 100
 61 153.6 123.3 184.9
 98 62.5 51.0 76.4





#13

Acrolein

Concen: 90.893 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

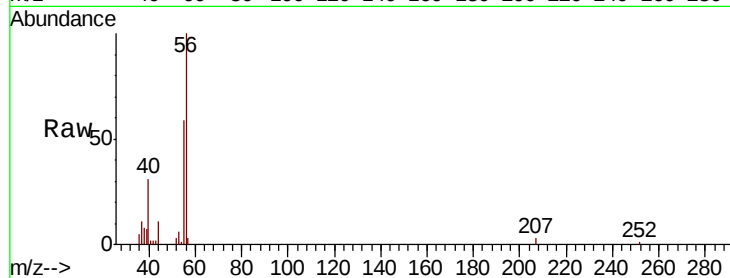
ClientSampled :

Tot Ion: 56 Resp: 34337

Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

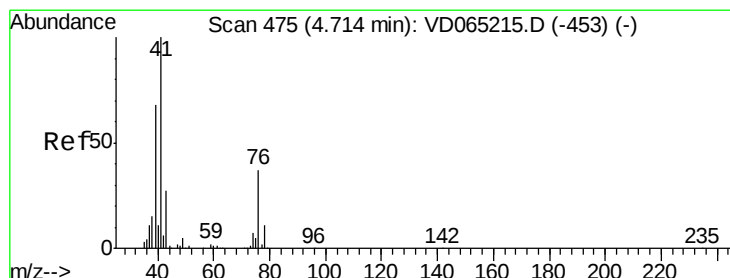
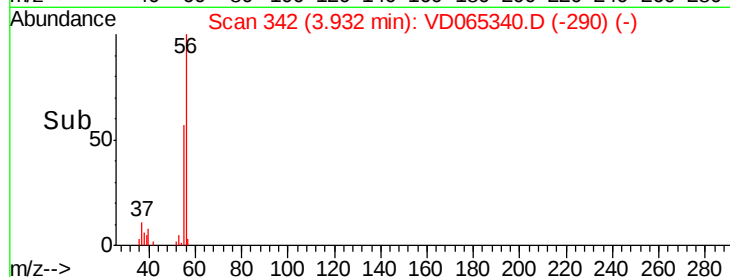
10000

5000

0

Time--> 3.80 3.90 4.00

3.93



#14

Allyl chloride

Concen: 18.957 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

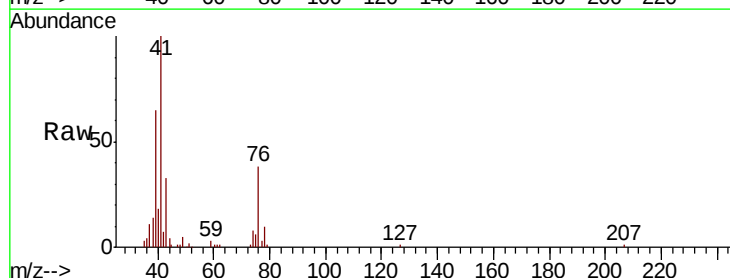
Tgt Ion: 41 Resp: 135910

Ion Ratio Lower Upper

41 100

39 64.5 53.8 80.6

76 35.6 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

50000

40000

30000

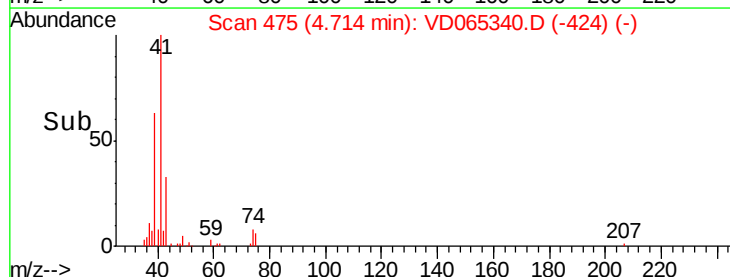
20000

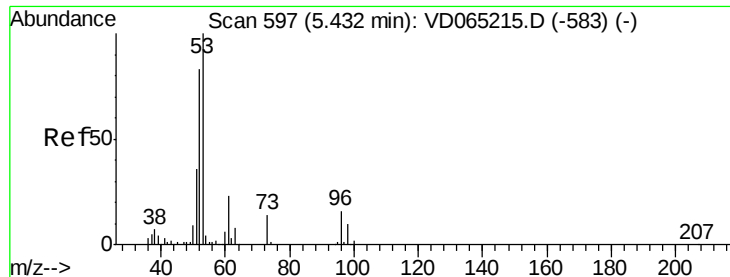
10000

0

Time--> 4.60 4.70 4.80 4.90

4.71





#15

Acrylonitrile

Concen: 99.476 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

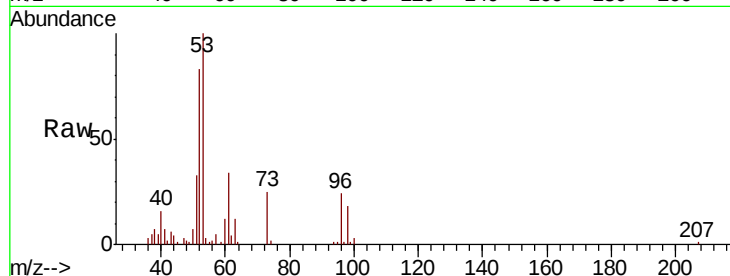
Tot Ion: 53 Resp: 98384

Ion Ratio Lower Upper

53 100

52 79.1 65.4 98.2

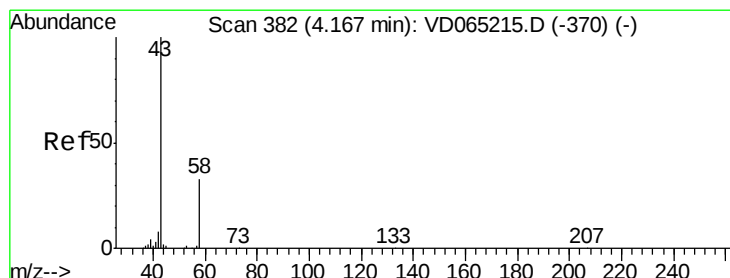
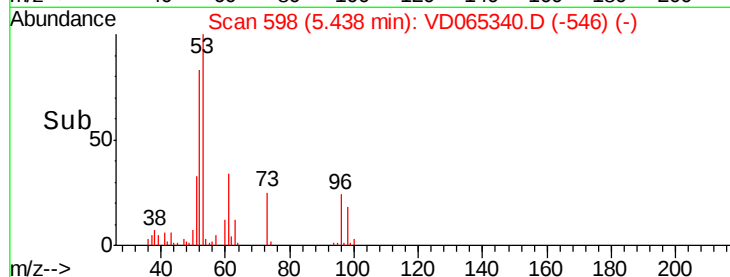
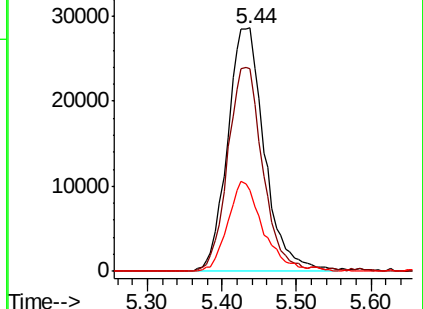
51 35.6 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 87.505 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065340.D

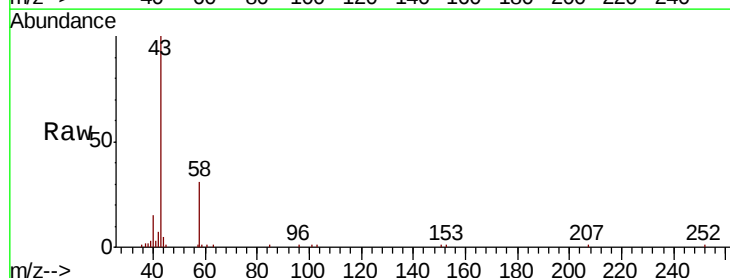
Acq: 27 Feb 2020 11:23

Tgt Ion: 43 Resp: 91629

Ion Ratio Lower Upper

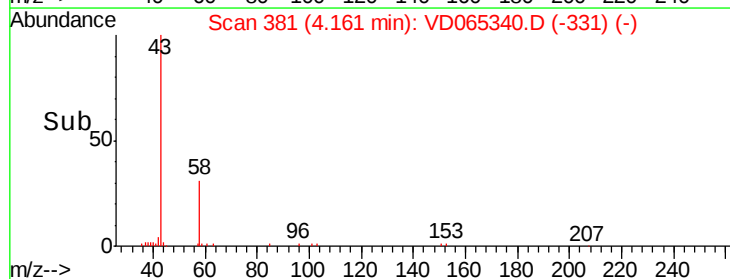
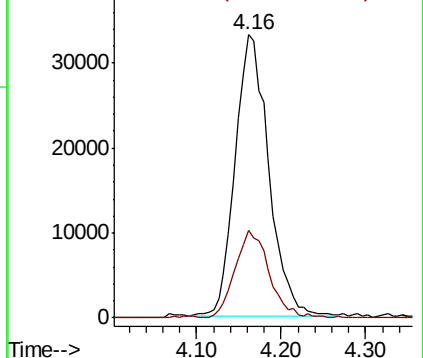
43 100

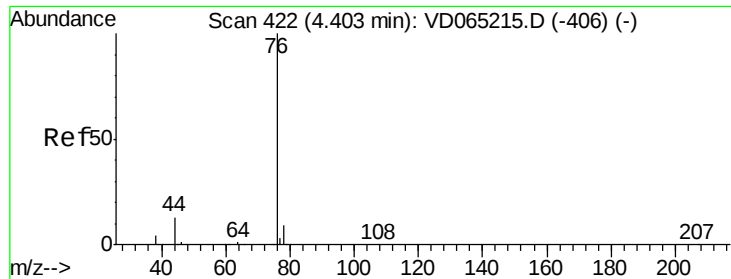
58 30.5 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

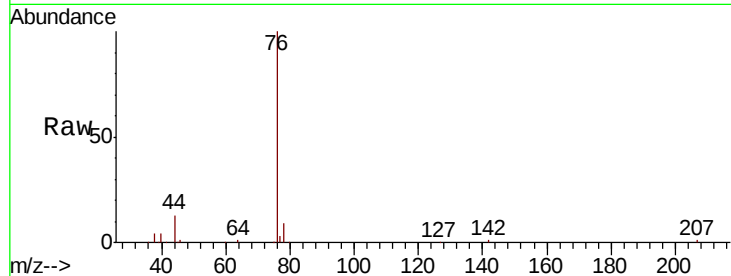




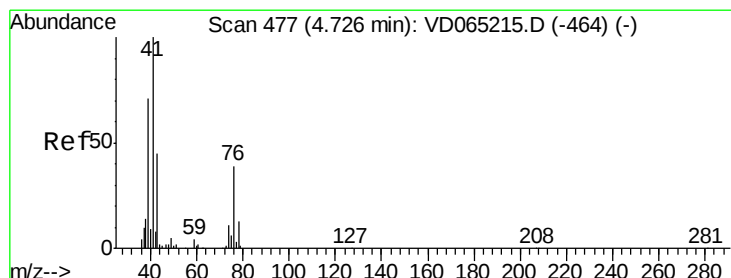
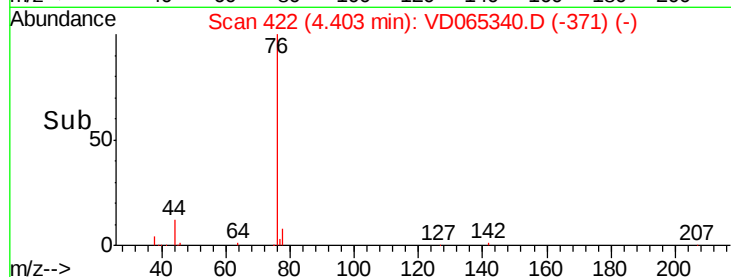
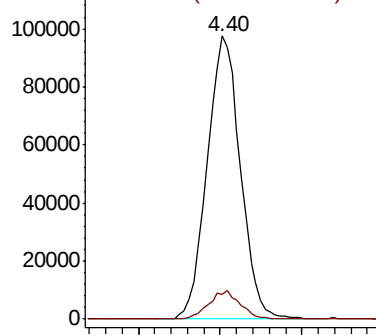
#17
Carbon Disulfide
Concen: 18.596 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 275242
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

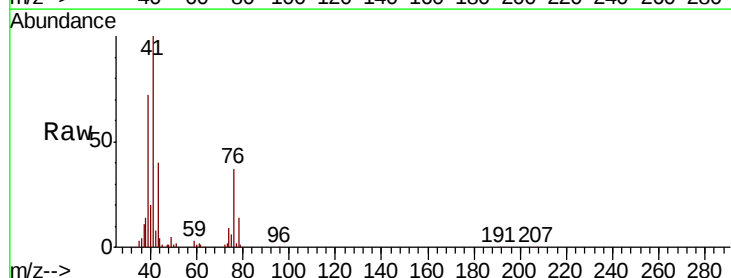


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

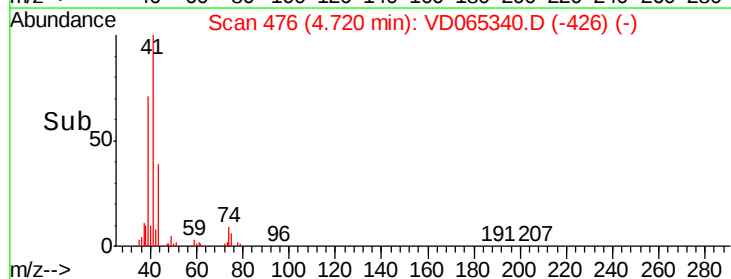
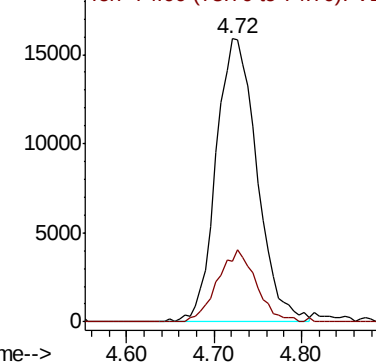


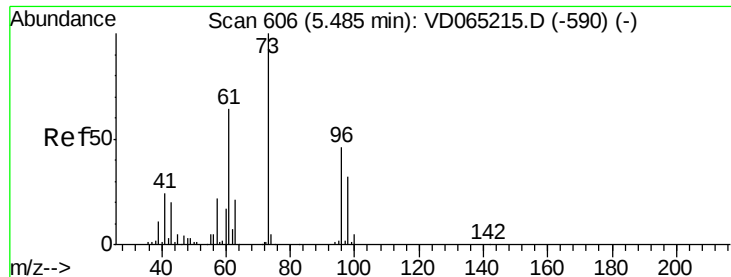
#18
Methyl Acetate
Concen: 21.509 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 43 Resp: 50656
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



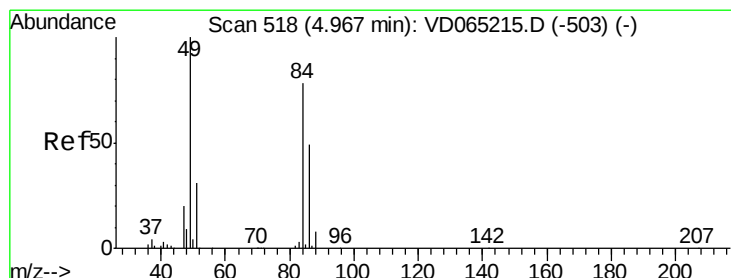
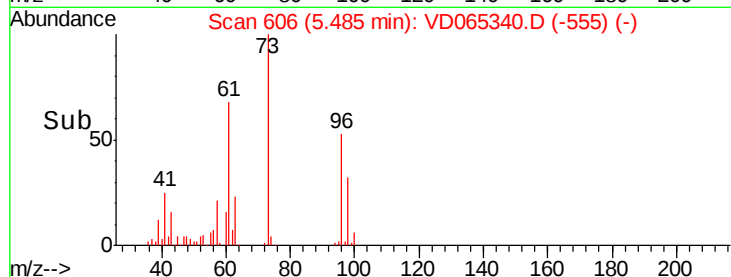
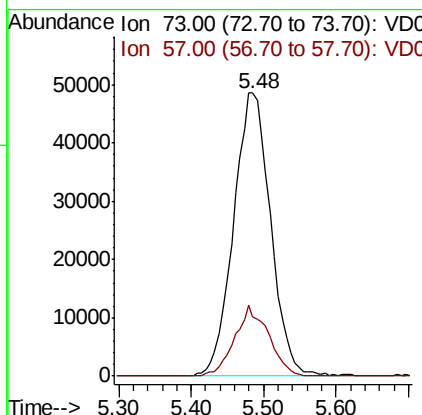
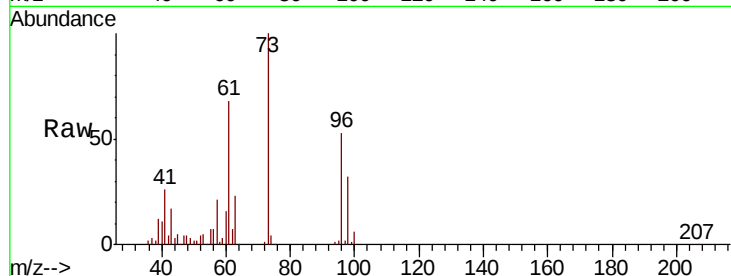


#19

Methyl tert-butyl Ether
 Concen: 18.728 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleID :

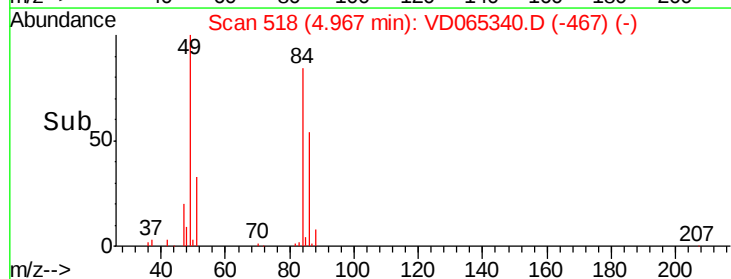
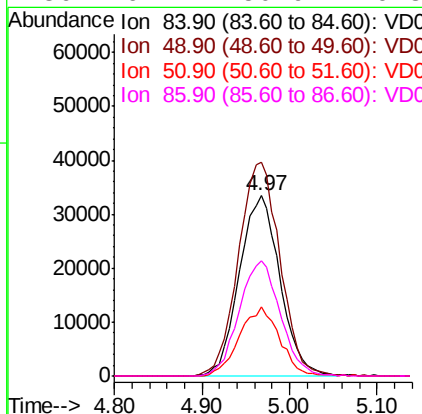
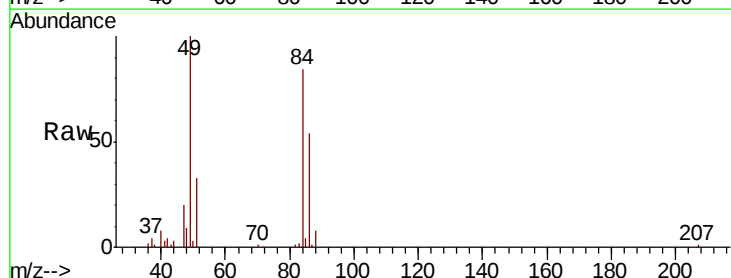
Tot Ion: 73 Resp: 172418
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.3 25.9

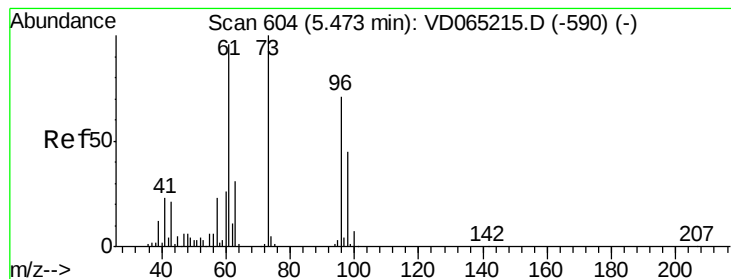


#20

Methylene Chloride
 Concen: 19.889 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion: 84 Resp: 105652
 Ion Ratio Lower Upper
 84 100
 49 118.5 103.1 154.7
 51 38.6 31.7 47.5
 86 64.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.708 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampled :

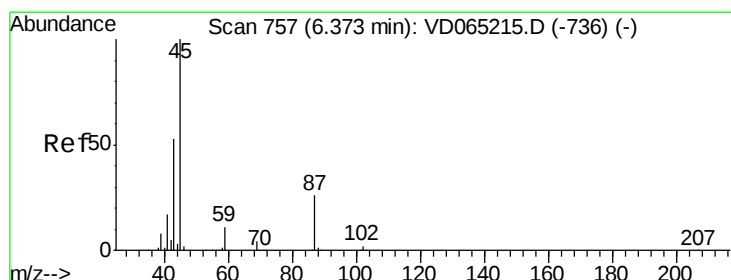
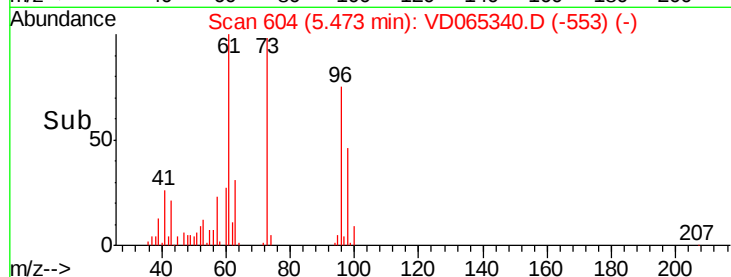
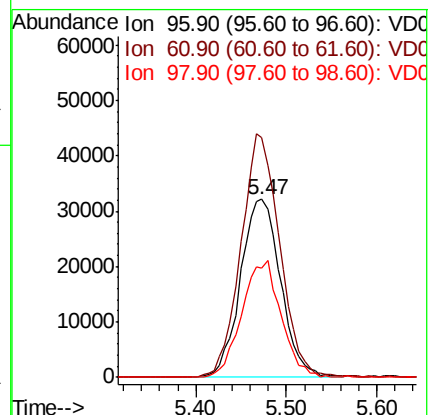
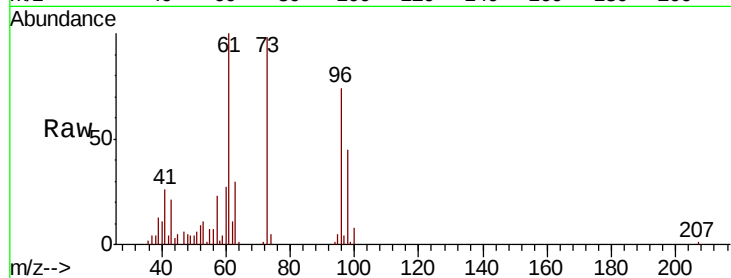
Tot Ion: 96 Resp: 98909

Ion Ratio Lower Upper

96 100

61 134.4 108.3 162.5

98 60.9 50.7 76.1



#22

Diisopropyl ether

Concen: 19.883 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion: 45 Resp: 274797

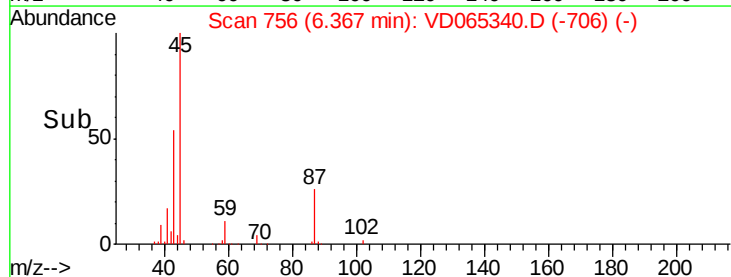
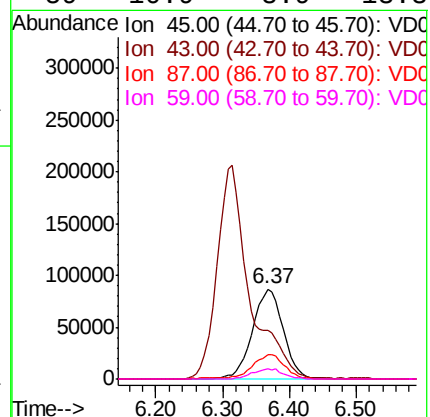
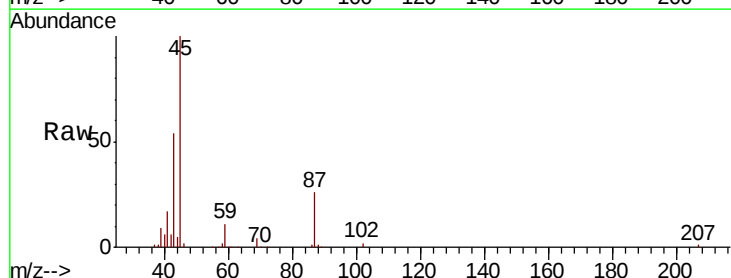
Ion Ratio Lower Upper

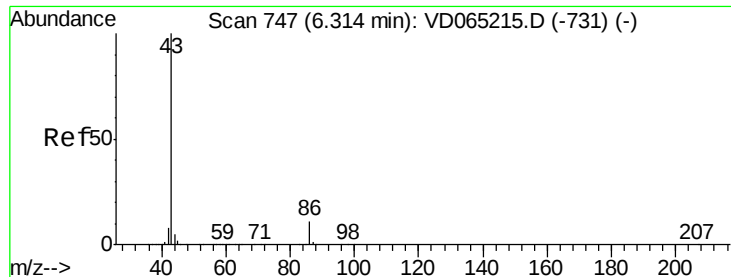
45 100

43 53.2 42.6 64.0

87 26.2 21.2 31.8

59 10.9 8.9 13.3





#23

Vinyl Acetate

Concen: 91.883 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

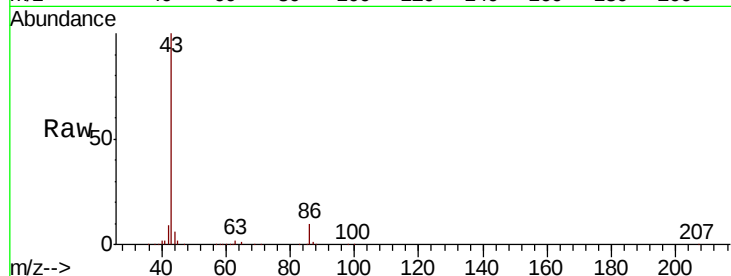
ClientSampleId :

Tot Ion: 43 Resp: 700078

Ion Ratio Lower Upper

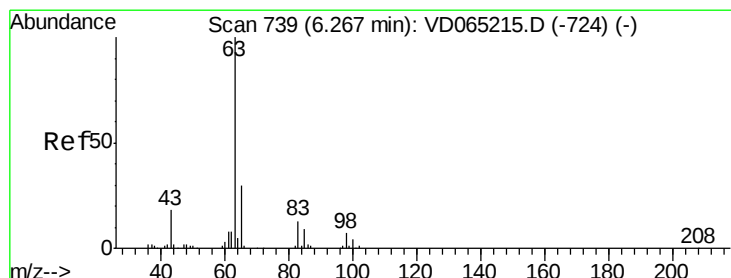
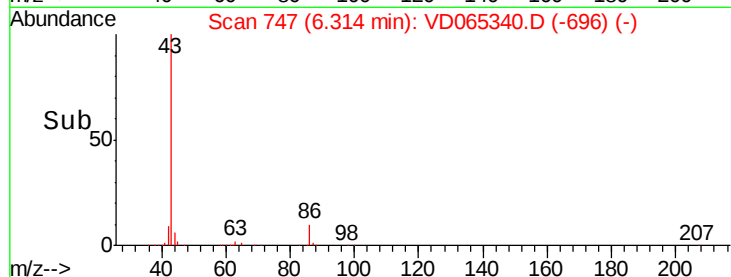
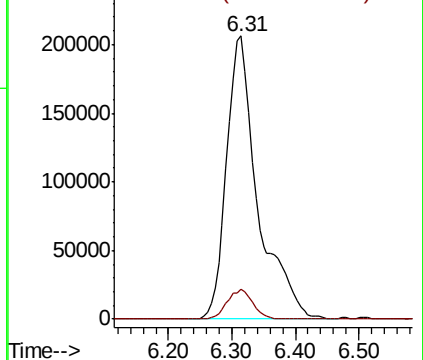
43 100

86 10.4 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: 19.655 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

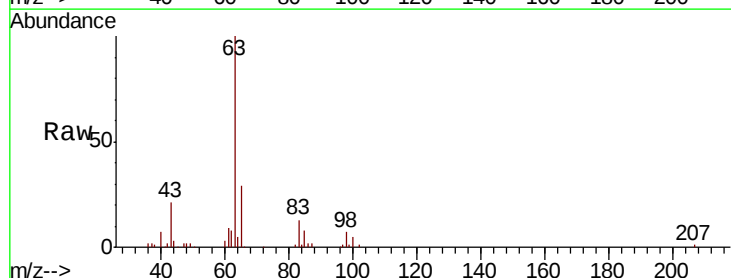
Tgt Ion: 63 Resp: 168492

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

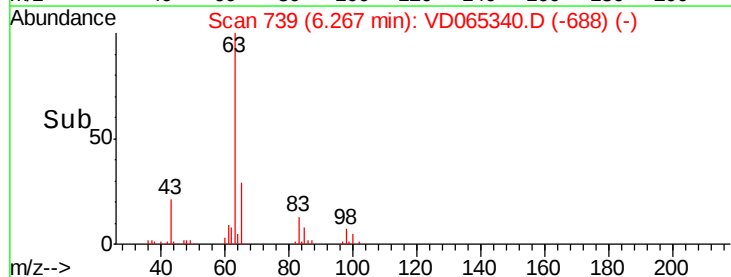
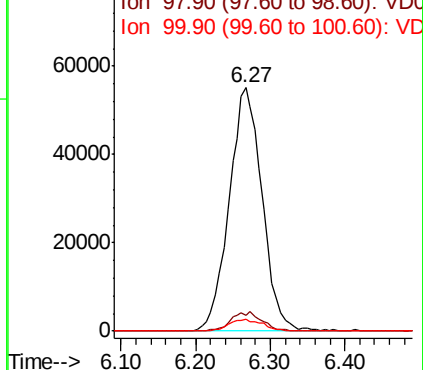
100 4.8 2.3 6.8

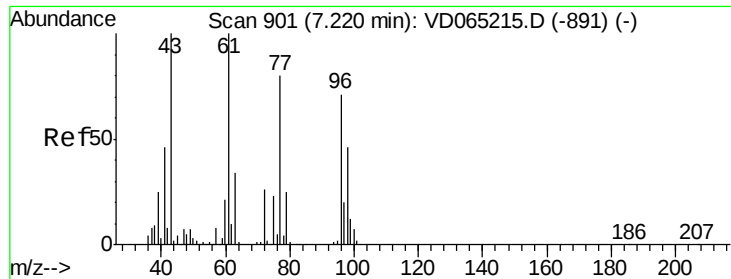


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.153 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

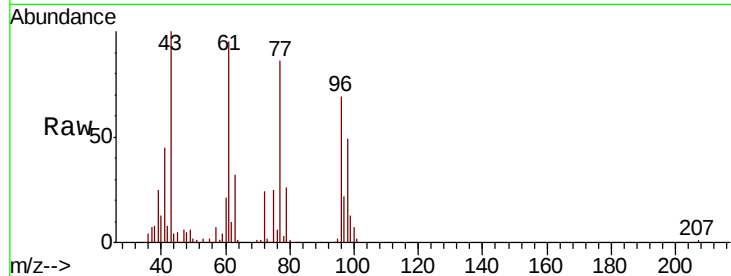
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 118114

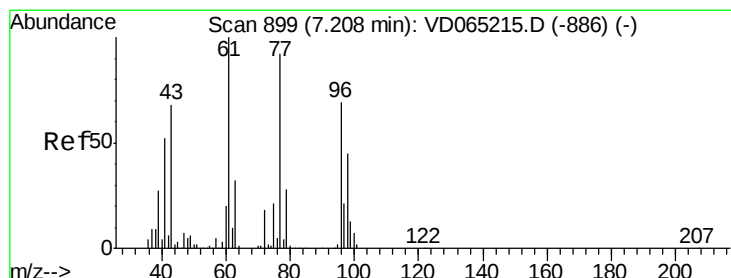
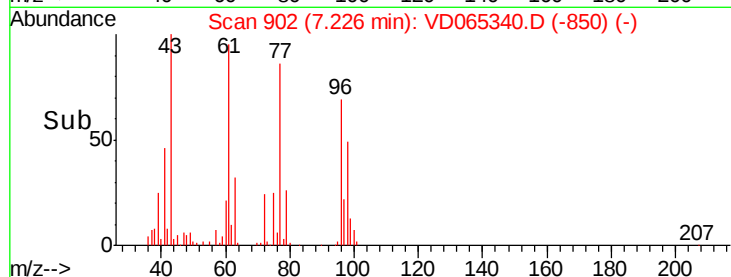
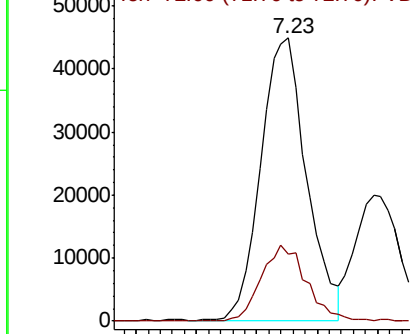
Ion Ratio Lower Upper

43 100

72 23.8 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: 20.100 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065340.D

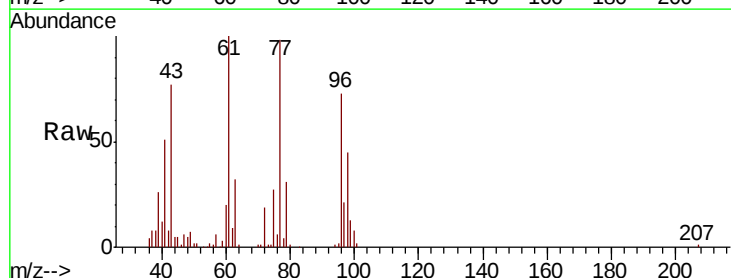
Acq: 27 Feb 2020 11:23

Tgt Ion: 77 Resp: 149495

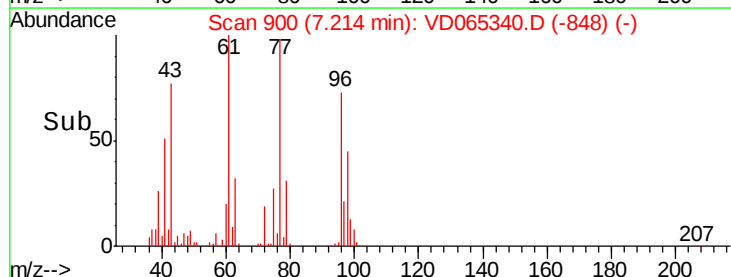
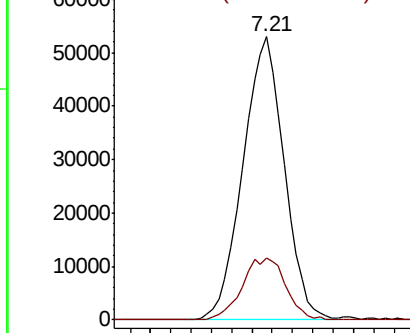
Ion Ratio Lower Upper

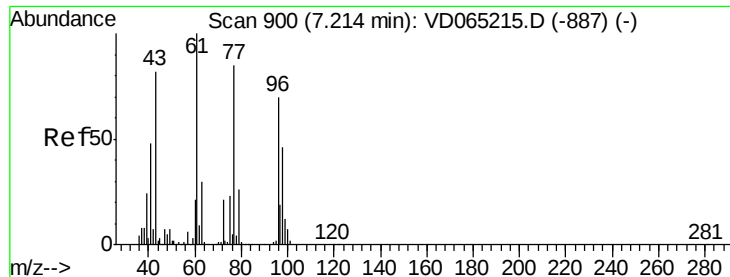
77 100

97 23.0 11.7 35.1



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



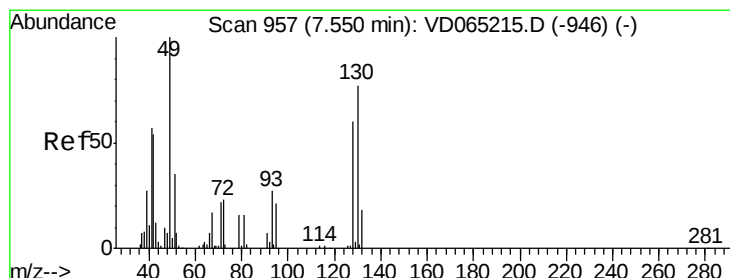
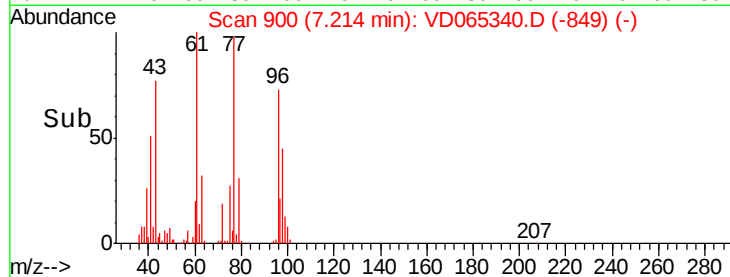
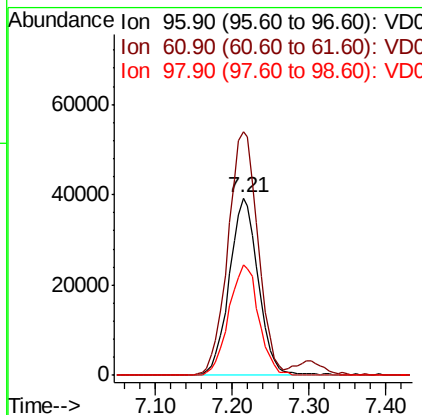
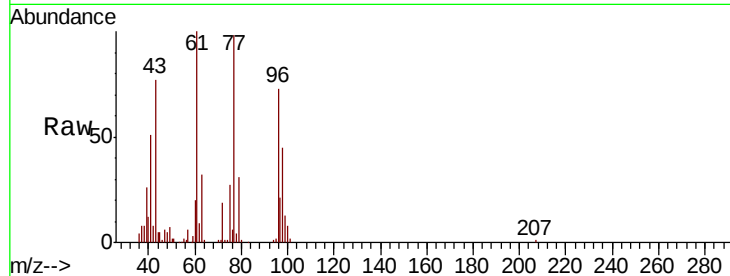


#27

cis-1,2-Dichloroethene
 Concen: 19.444 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :

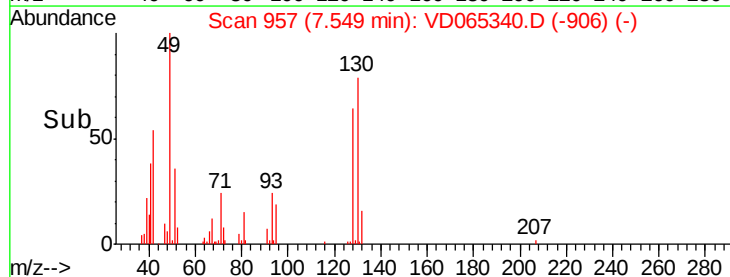
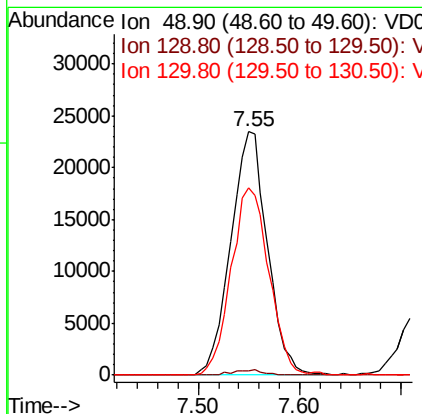
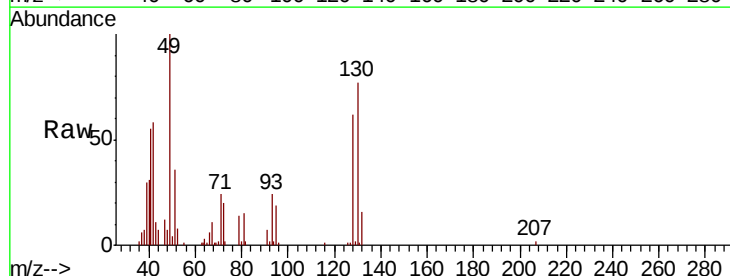
Tot Ion	96	Resp	103369
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.0
98	64.0	0.0	127.8

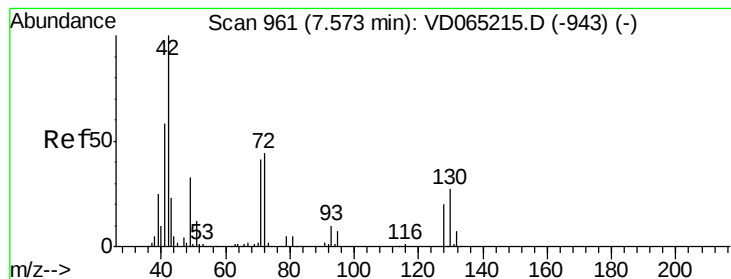


#28

Bromochloromethane
 Concen: 18.467 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	49	Resp	58731
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	79.7	64.7	97.1





#29

Tetrahydrofuran

Concen: 95.478 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

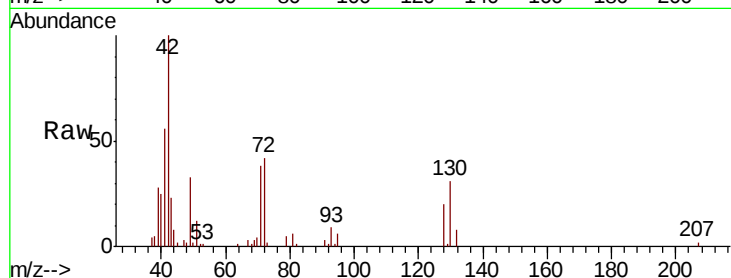
Tot Ion: 42 Resp: 74116

Ion Ratio Lower Upper

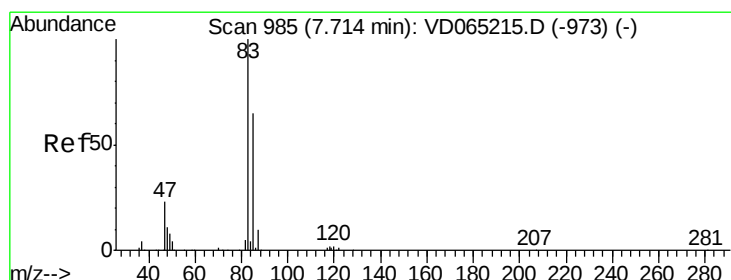
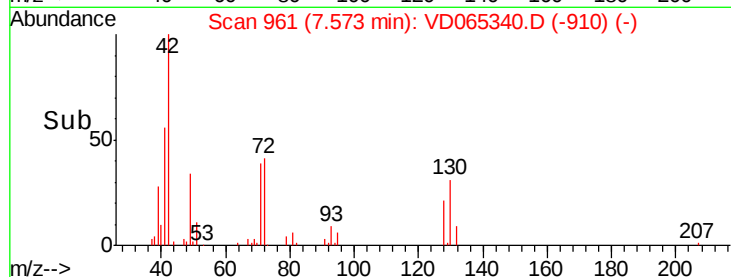
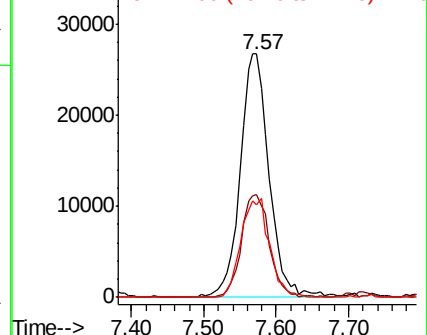
42 100

72 40.6 33.7 50.5

71 39.8 31.4 47.2



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



#30

Chloroform

Concen: 20.128 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065340.D

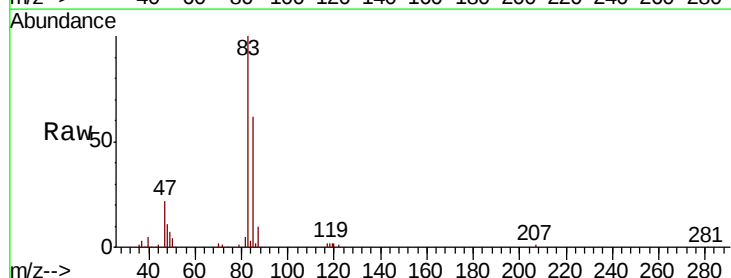
Acq: 27 Feb 2020 11:23

Tgt Ion: 83 Resp: 173838

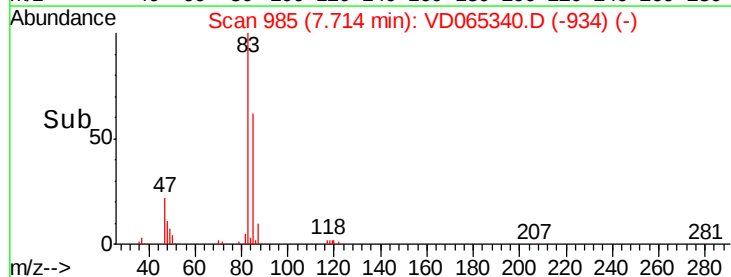
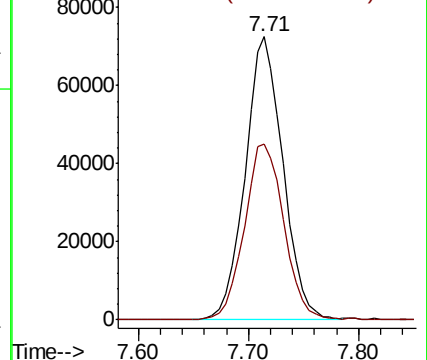
Ion Ratio Lower Upper

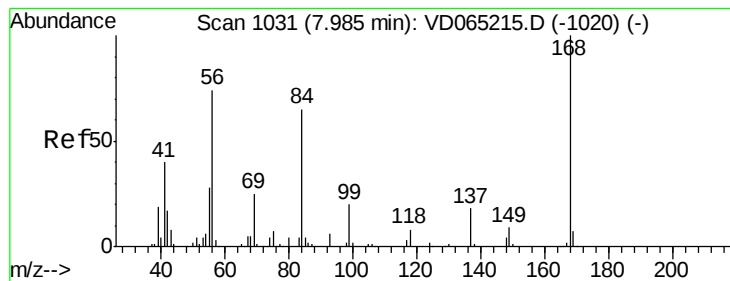
83 100

85 62.0 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: 19.224 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

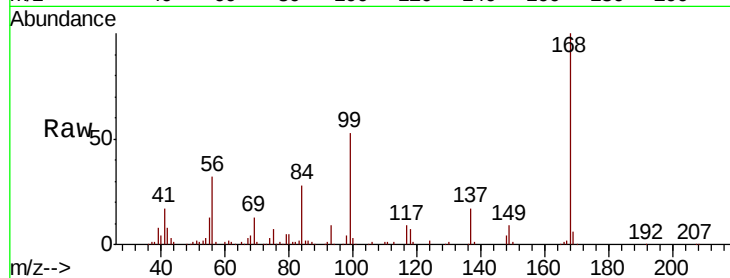
Tot Ion: 56 Resp: 161919

Ion Ratio Lower Upper

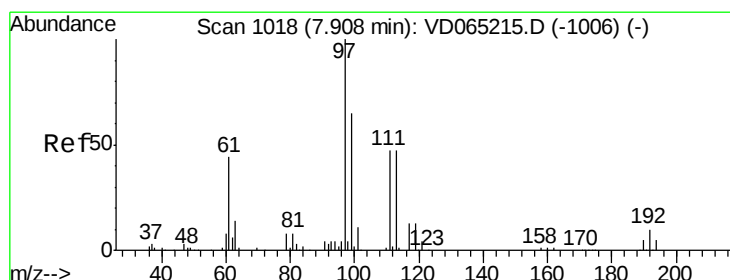
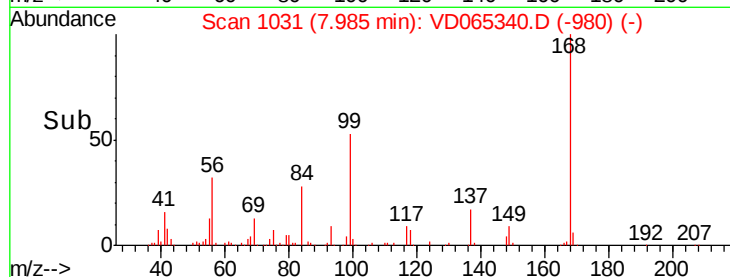
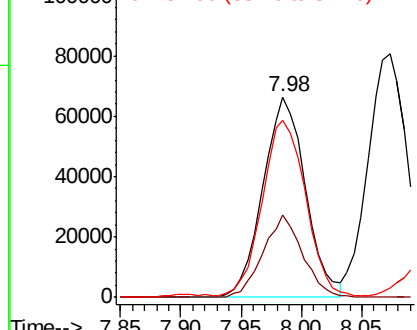
56 100

69 41.2 27.4 41.0#

84 87.3 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 20.203 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

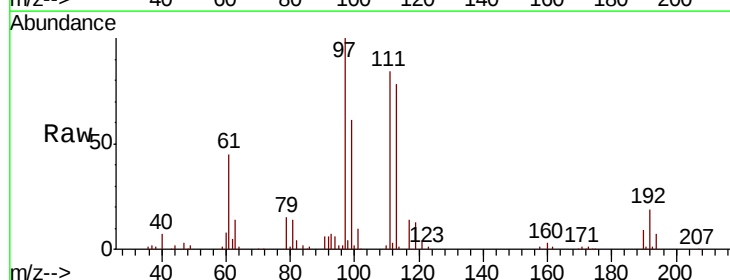
Tgt Ion: 97 Resp: 156115

Ion Ratio Lower Upper

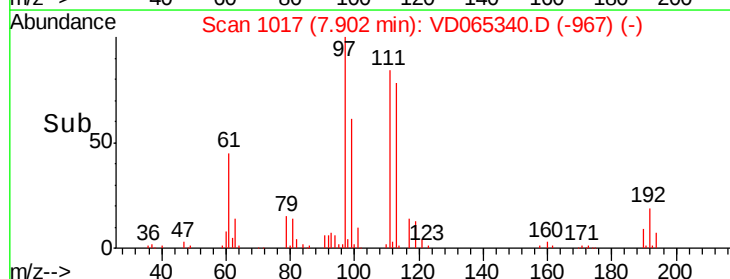
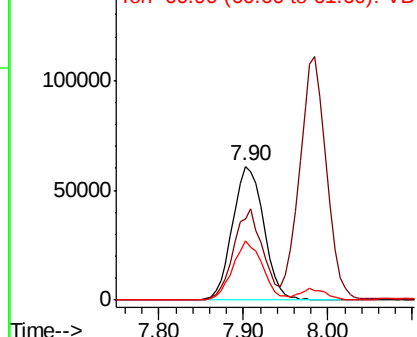
97 100

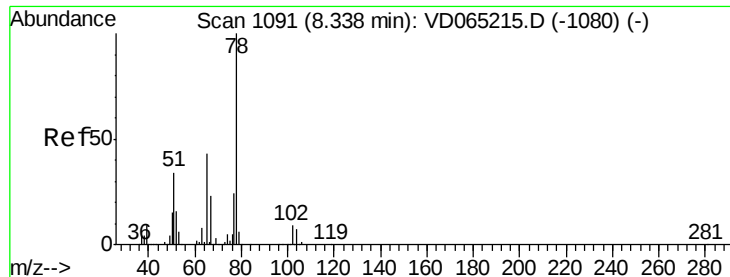
99 63.8 51.4 77.2

61 42.3 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: 46.717 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

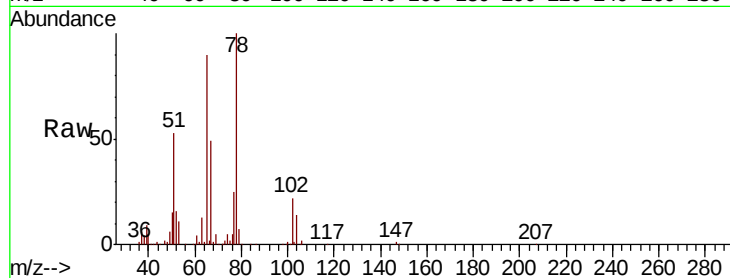
ClientSampleId :

Tot Ion: 65 Resp: 200118

Ion Ratio Lower Upper

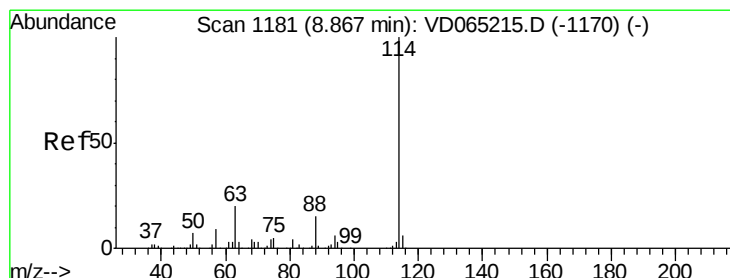
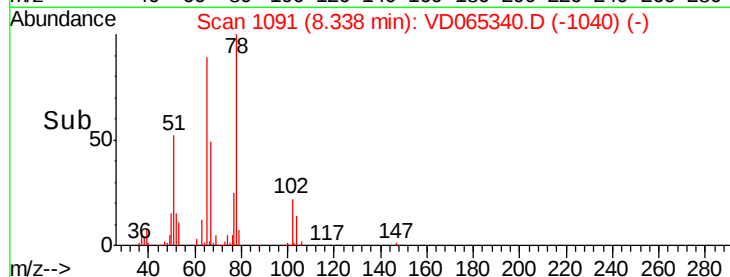
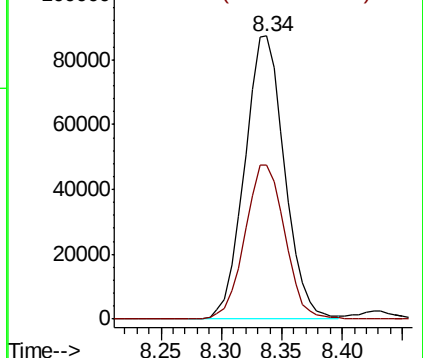
65 100

67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

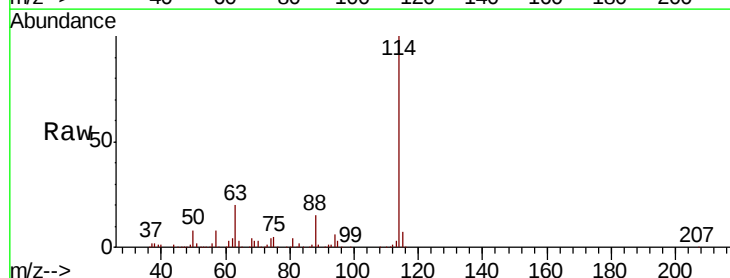
Tgt Ion: 114 Resp: 696489

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

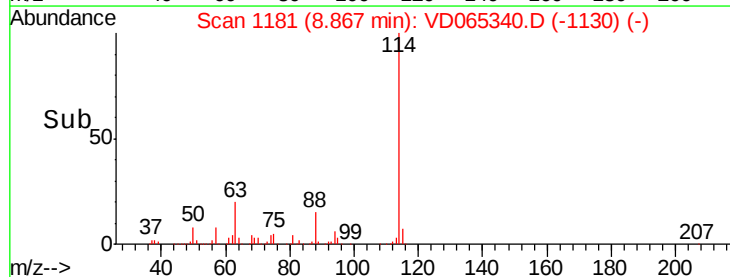
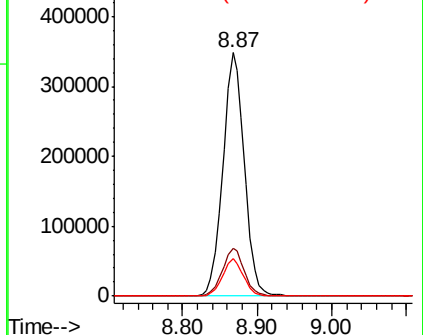
88 15.3 0.0 30.4

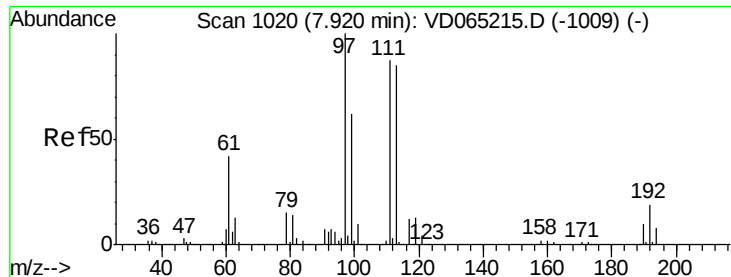


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

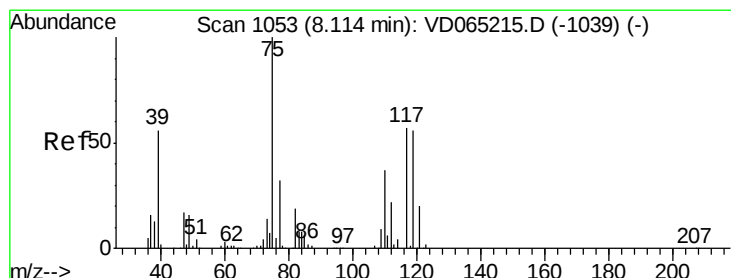
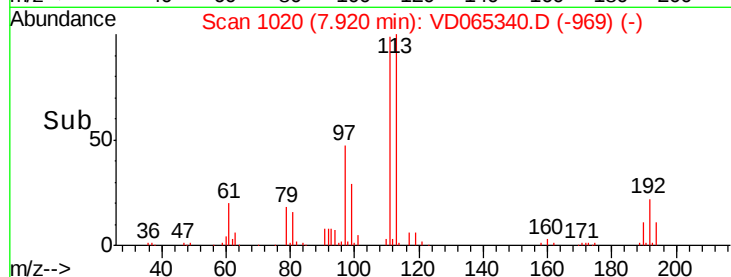
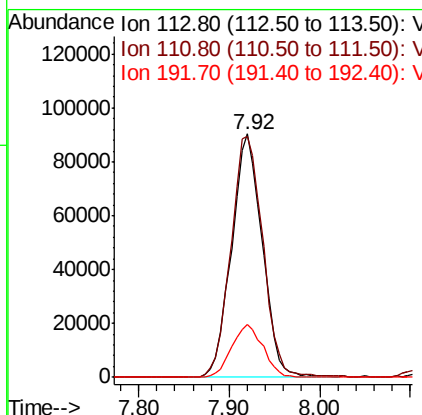
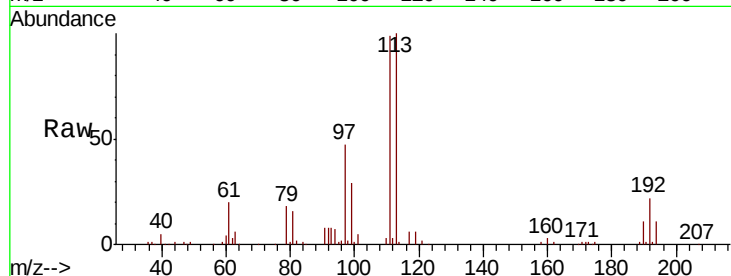




#35
 Dibromofluoromethane
 Concen: 49.962 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

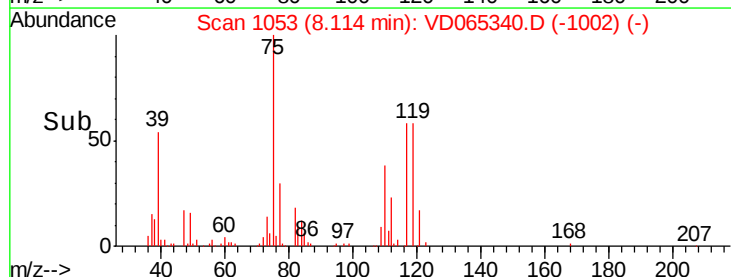
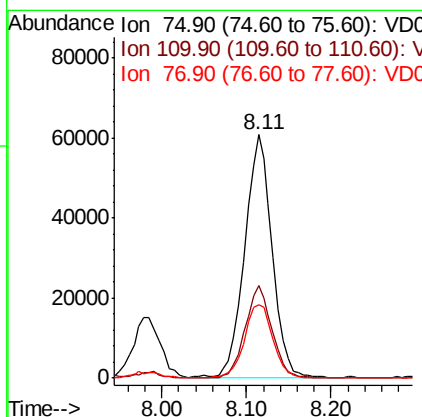
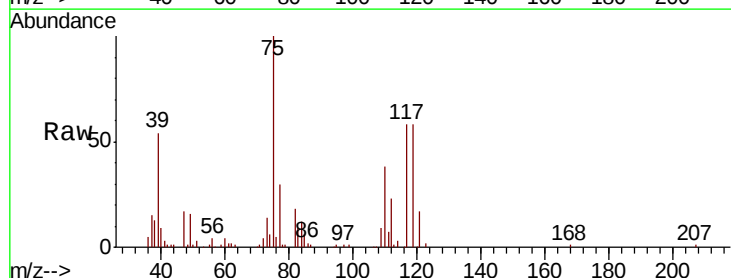
Instrument :
 MSVOA_D
 ClientSampleID :

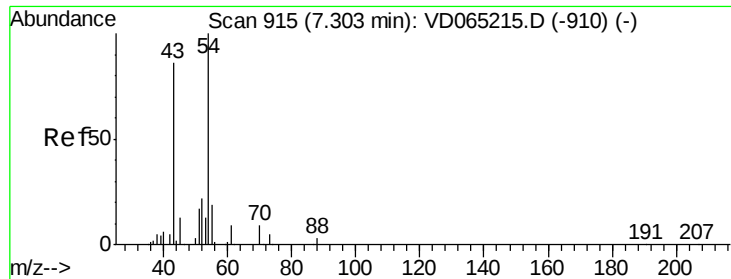
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	22.3	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 20.348 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.9	53.7
77	31.5	25.1	37.7

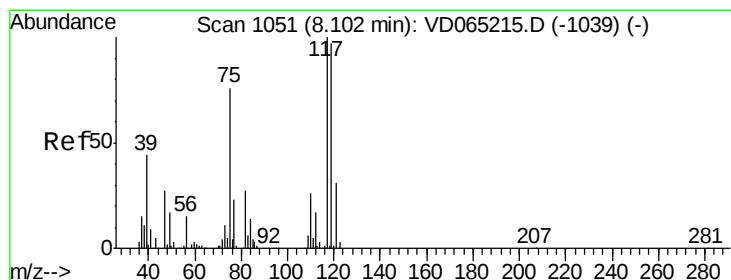
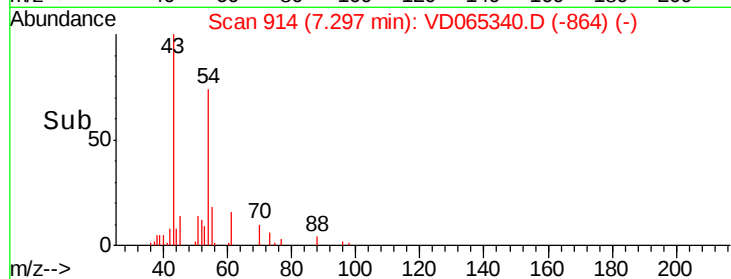
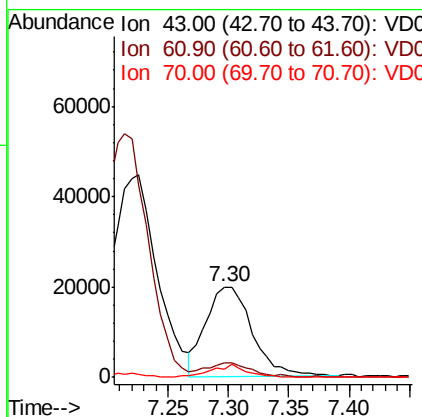
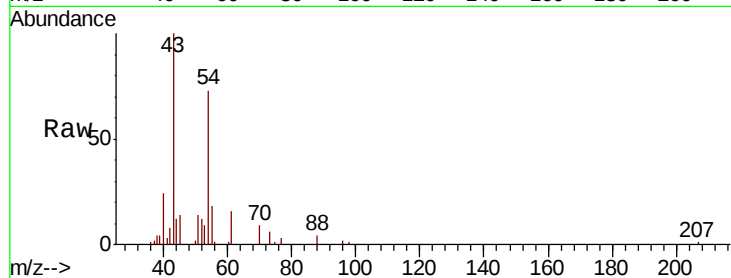




#37
Ethyl Acetate
Concen: 18.540 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

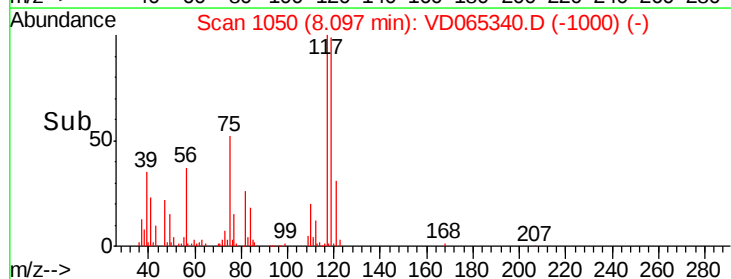
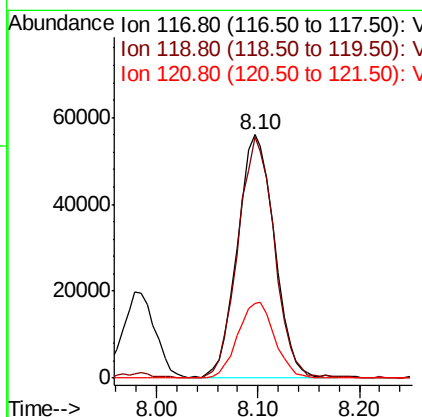
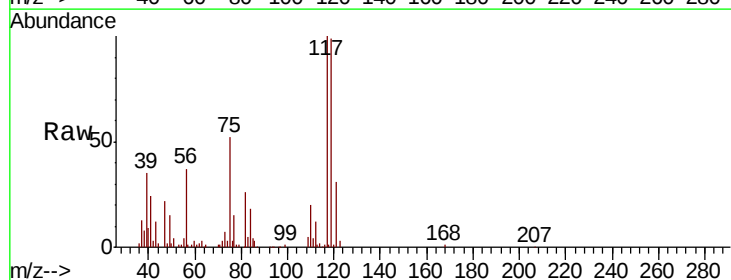
Instrument :
MSVOA_D
ClientSampleId :

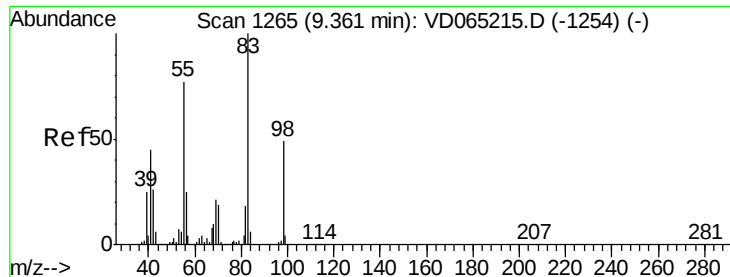
Tot Ion: 43 Resp: 52525
Ion Ratio Lower Upper
43 100
61 16.3 11.2 16.8
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.450 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 117 Resp: 141080
Ion Ratio Lower Upper
117 100
119 99.3 77.6 116.4
121 31.0 24.8 37.2

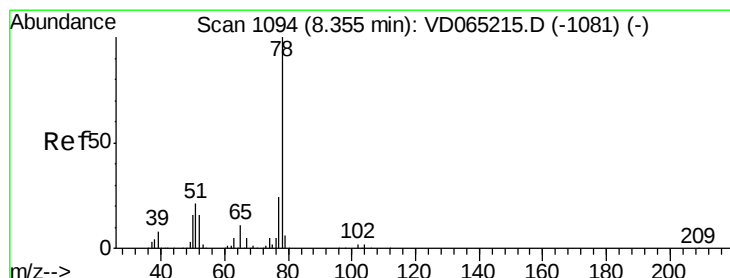
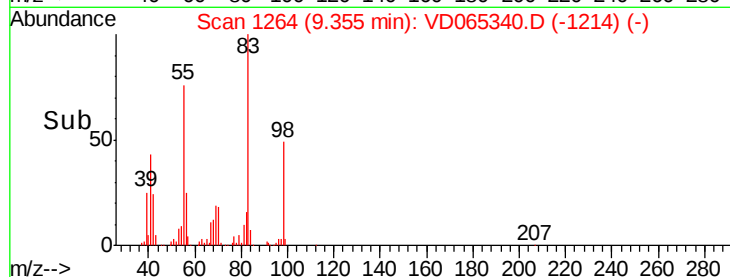
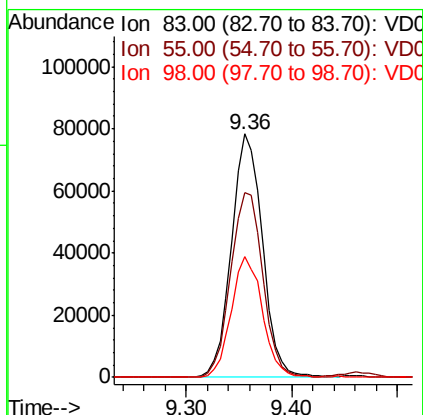
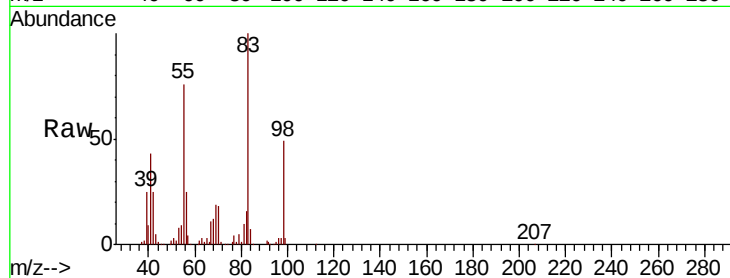




#39
Methvlcvclohexane
Concen: 19.996 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

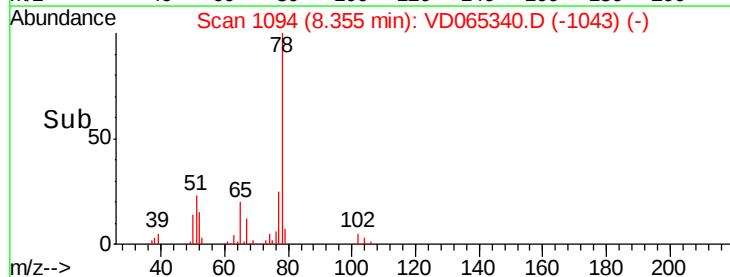
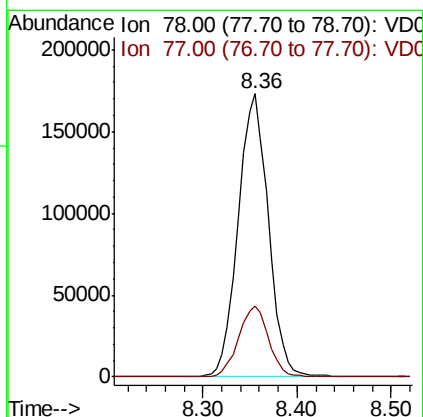
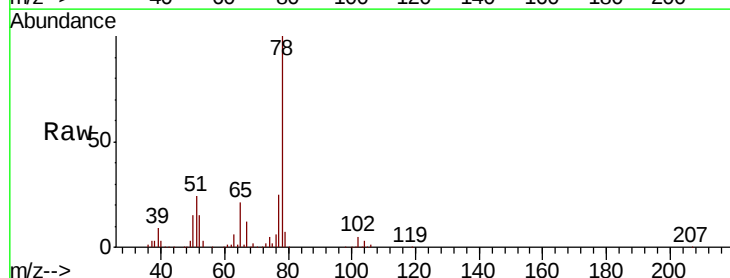
Instrument :
MSVOA_D
ClientSampled :

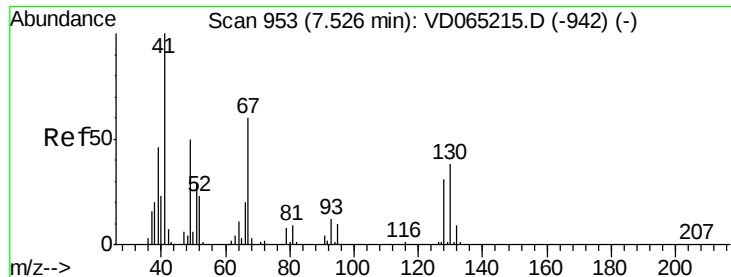
Tot Ion: 83 Resp: 159314
Ion Ratio Lower Upper
83 100
55 76.1 61.8 92.6
98 49.4 39.4 59.0



#40
Benzene
Concen: 20.195 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 78 Resp: 386296
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

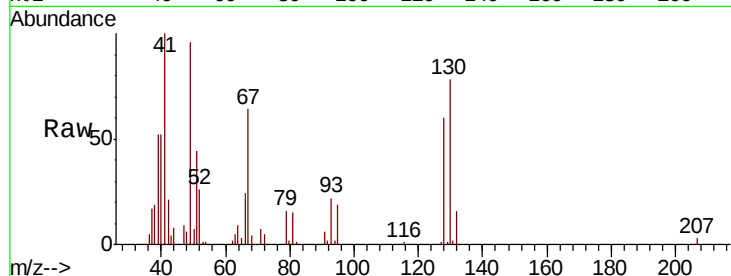




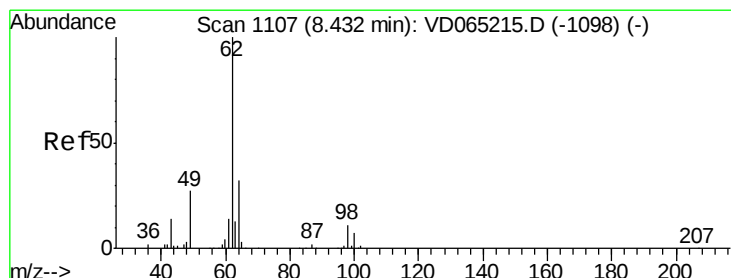
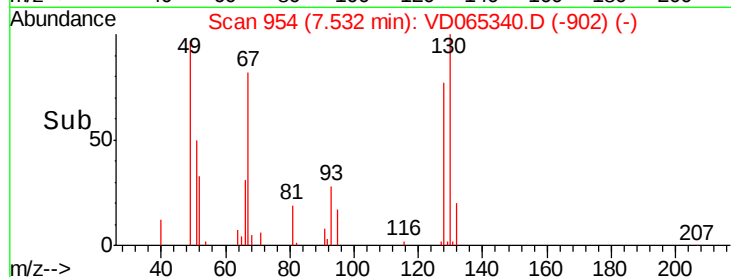
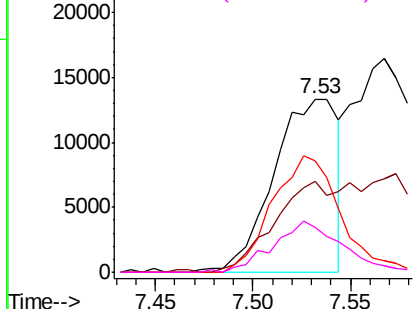
#41
Methacrylonitrile
Concen: 18.721 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	41	Resp:	30623
Ion	Ratio	Lower	Upper
41	100		
39	43.4	48.1	72.1#
67	70.5	58.9	88.3
52	31.1	24.2	36.2

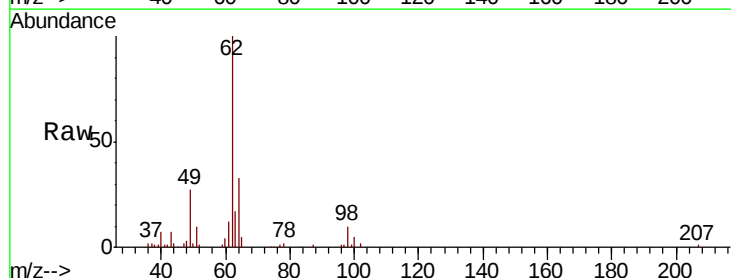


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

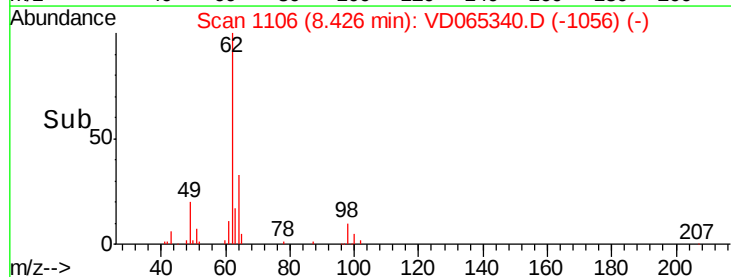
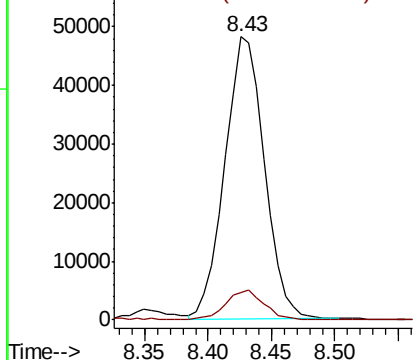


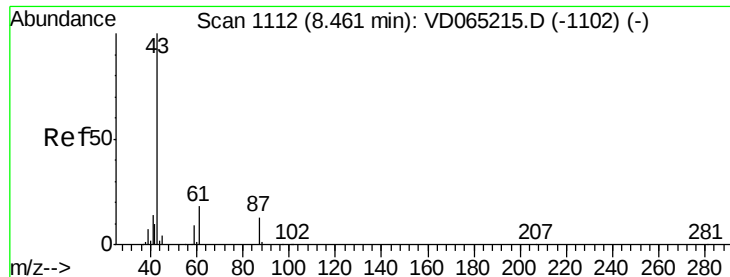
#42
1,2-Dichloroethane
Concen: 19.858 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:	62	Resp:	104427
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 18.915 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

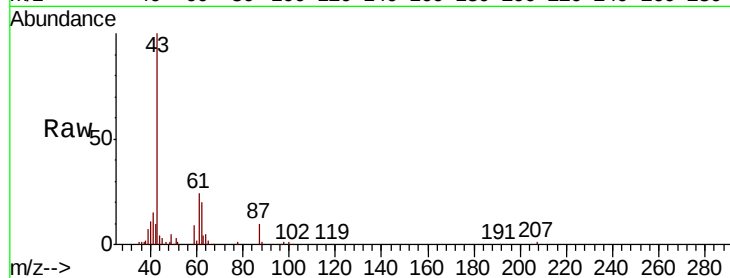
Tot Ion: 43 Resp: 97449

Ion Ratio Lower Upper

43 100

61 32.4 24.6 36.8

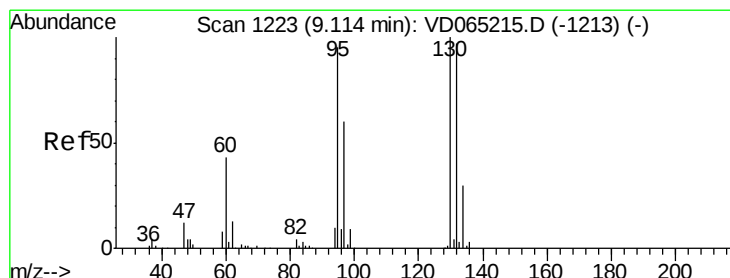
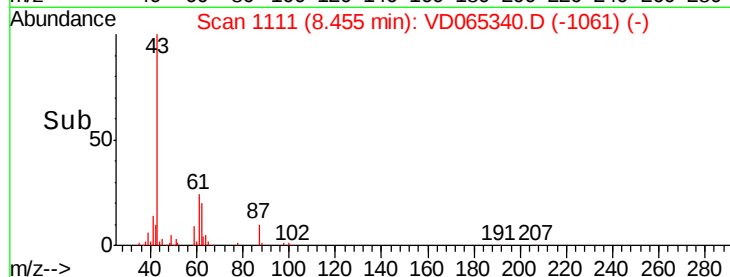
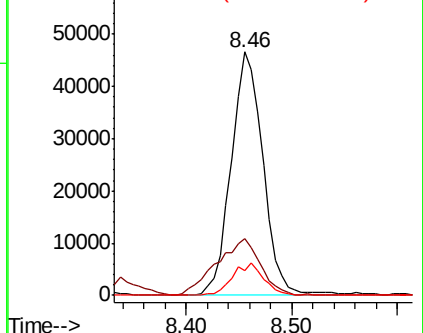
87 13.0 10.6 16.0



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: 20.685 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065340.D

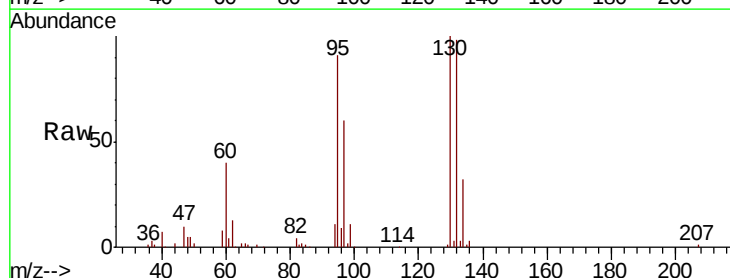
Acq: 27 Feb 2020 11:23

Tgt Ion: 130 Resp: 109681

Ion Ratio Lower Upper

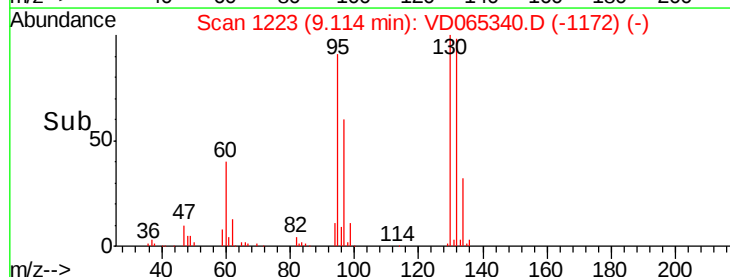
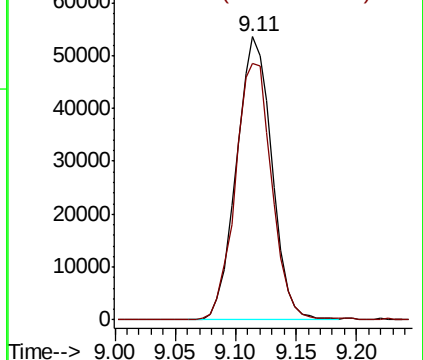
130 100

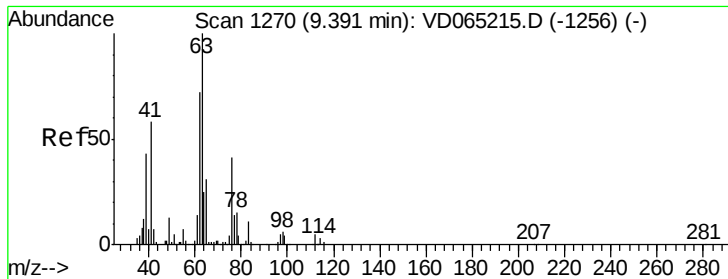
95 90.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

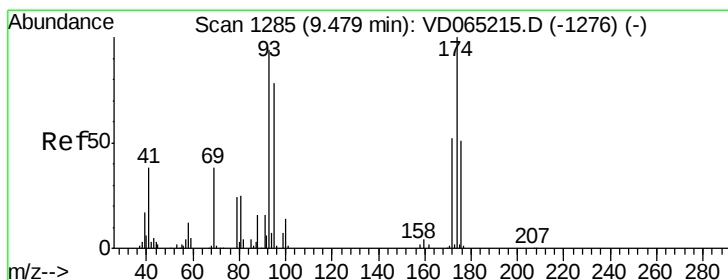
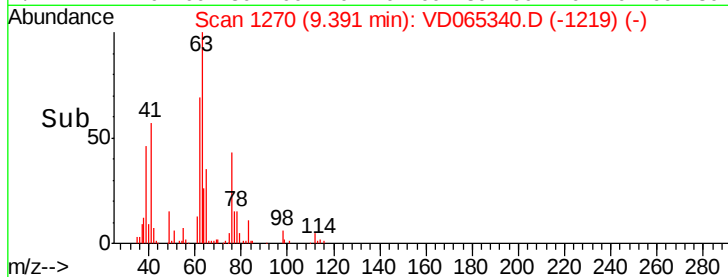
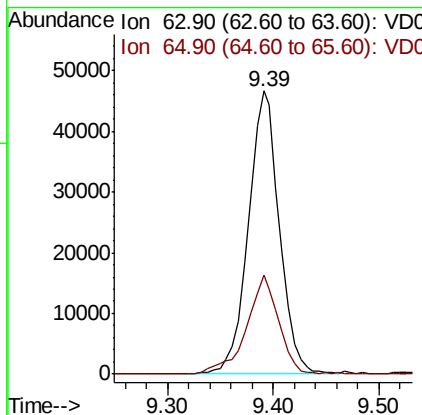
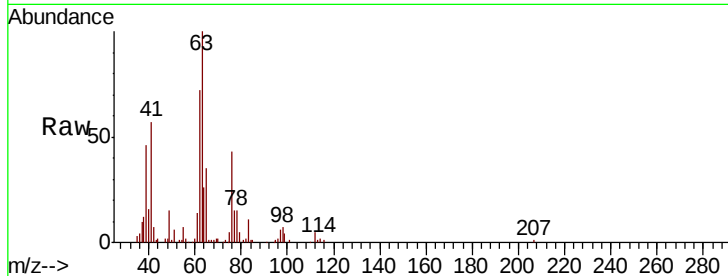




#45
 1,2-Dichloropropane
 Concen: 20.073 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

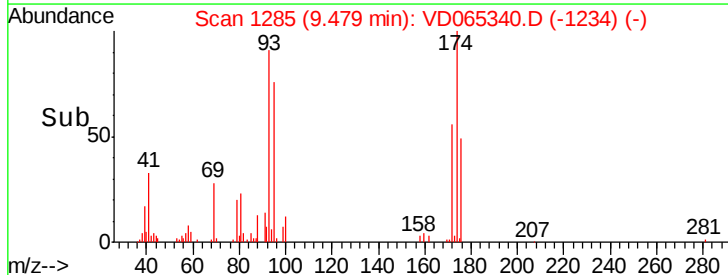
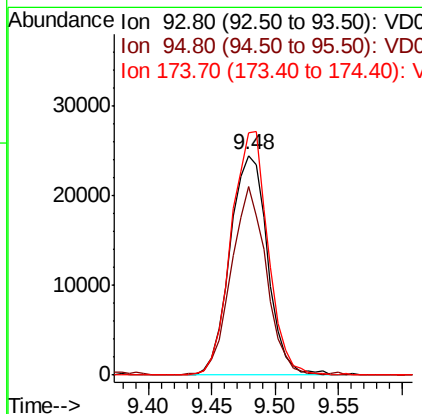
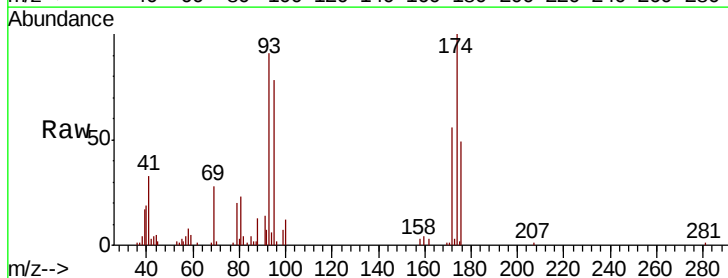
Instrument :
 MSVOA_D
 ClientSampleId :

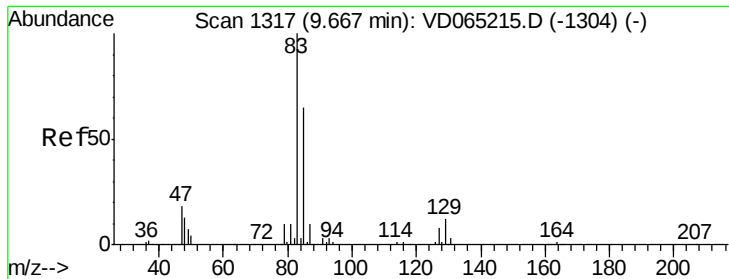
Tot Ion: 63 Resp: 95475
 Ion Ratio Lower Upper
 63 100
 65 35.1 24.9 37.3



#46
 Dibromomethane
 Concen: 20.514 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion: 93 Resp: 50204
 Ion Ratio Lower Upper
 93 100
 95 80.2 65.8 98.6
 174 108.5 86.8 130.2





#47

Bromodichloromethane

Concen: 19.953 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampled :

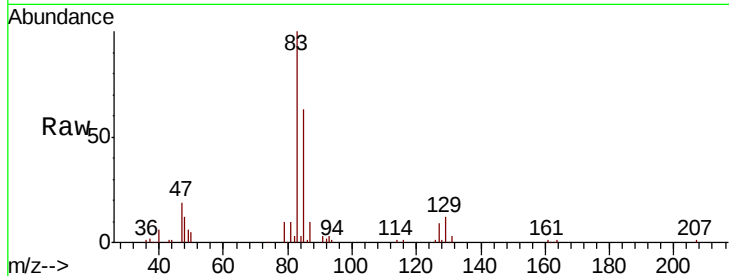
Tot Ion: 83 Resp: 128688

Ion Ratio Lower Upper

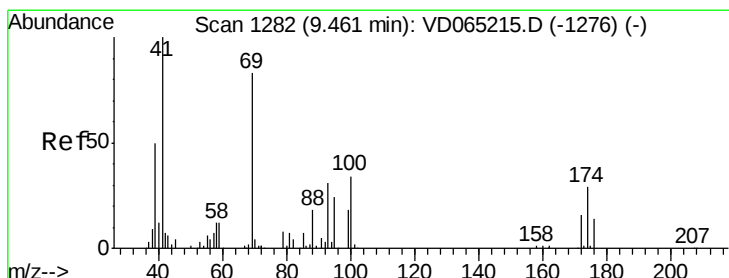
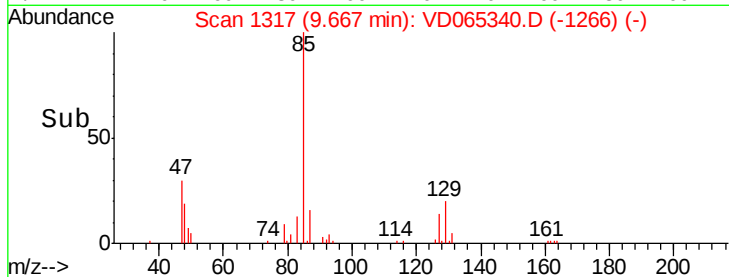
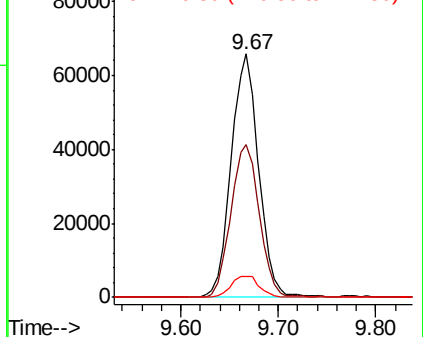
83 100

85 62.6 52.0 78.0

127 8.8 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: 21.174 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

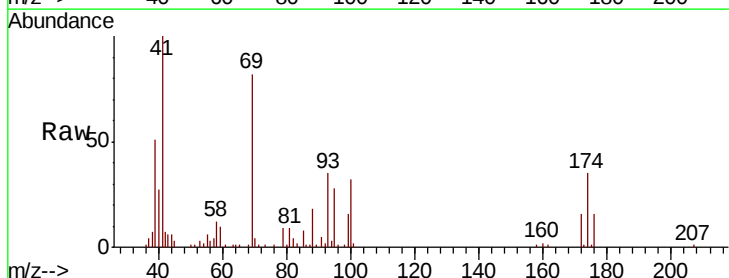
Tgt Ion: 41 Resp: 50422

Ion Ratio Lower Upper

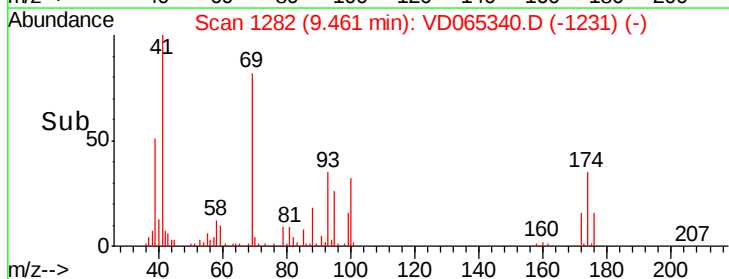
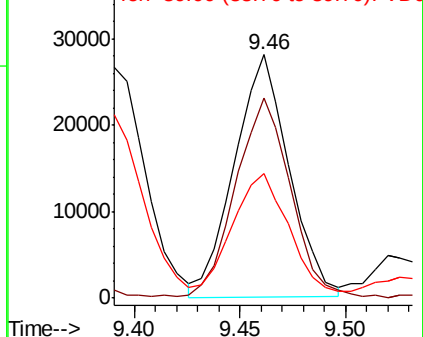
41 100

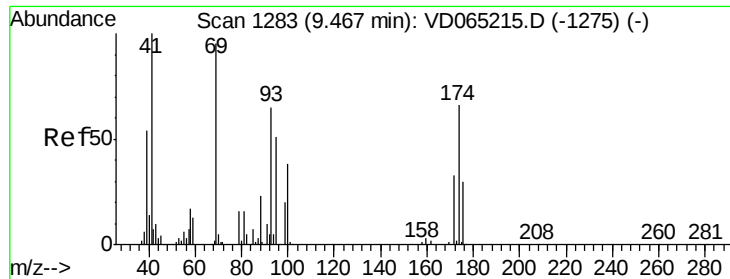
69 84.0 68.2 102.2

39 48.2 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

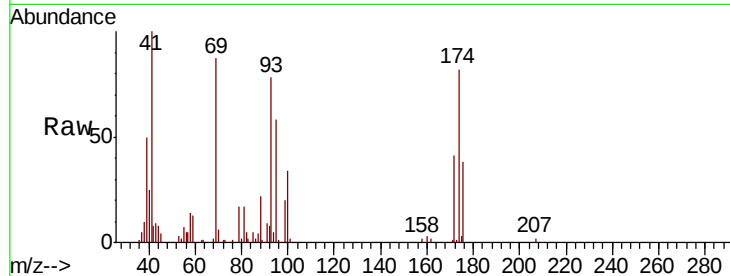




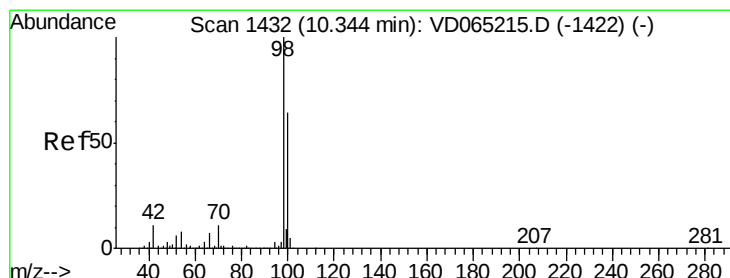
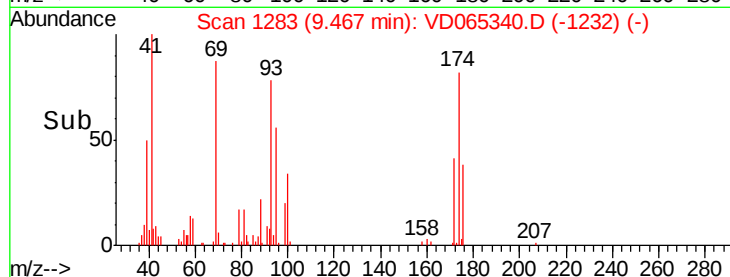
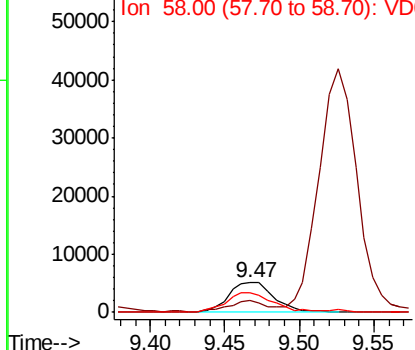
#49
1,4-Dioxane
Concen: 382.296 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10973
Ion Ratio Lower Upper
88 100
43 34.2 28.5 42.7
58 70.0 58.6 87.8

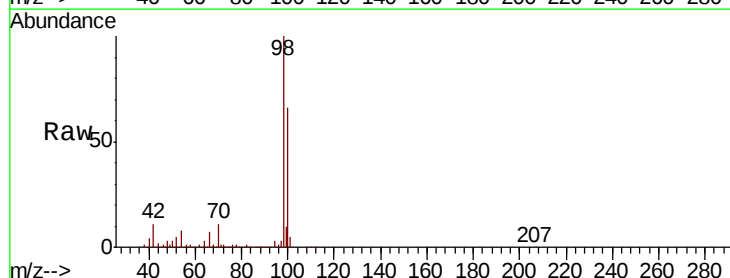


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

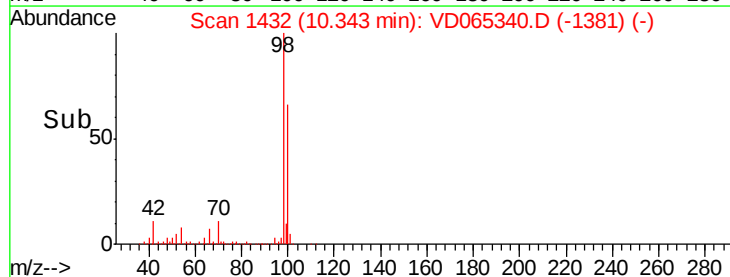
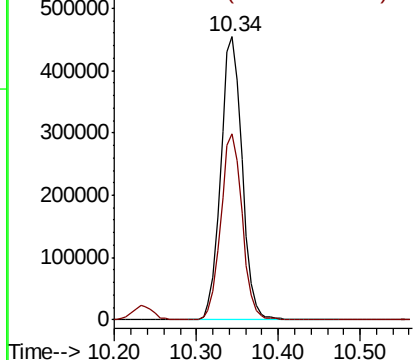


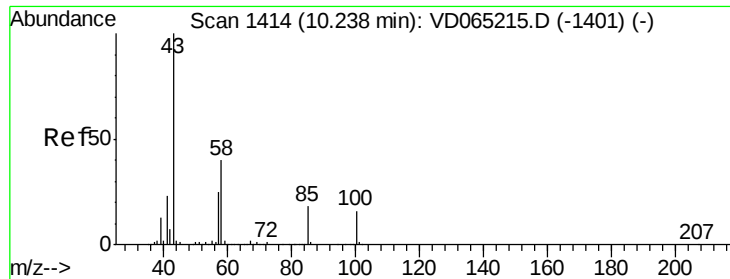
#50
Toluene-d8
Concen: 51.067 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 98 Resp: 829082
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



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

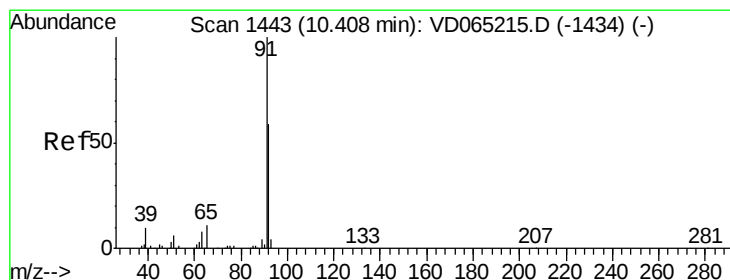
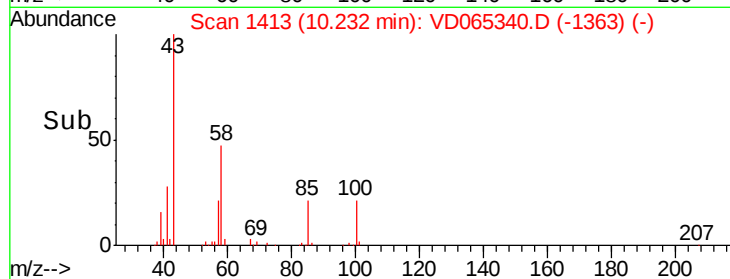
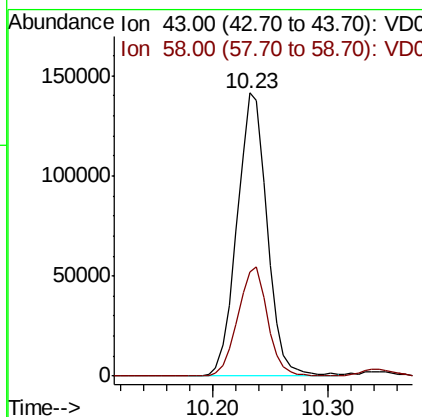
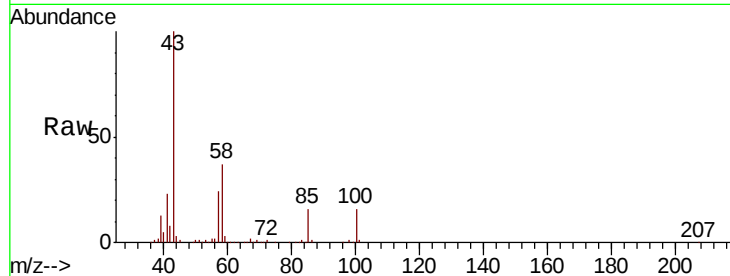




#51
4-Methyl-2-Pentanone
Concen: 97.627 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

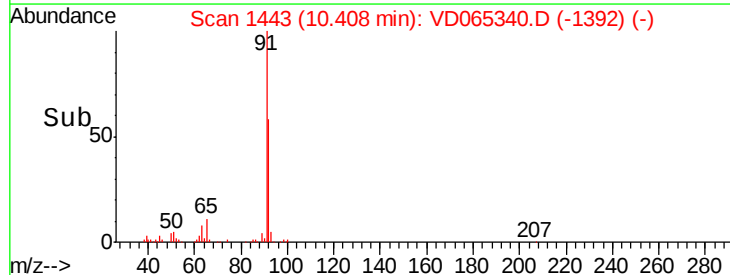
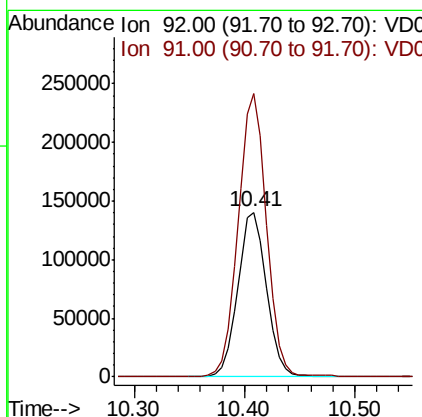
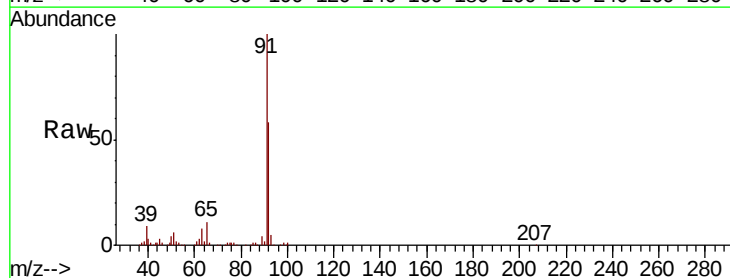
Instrument :
MSVOA_D
ClientSampleId :

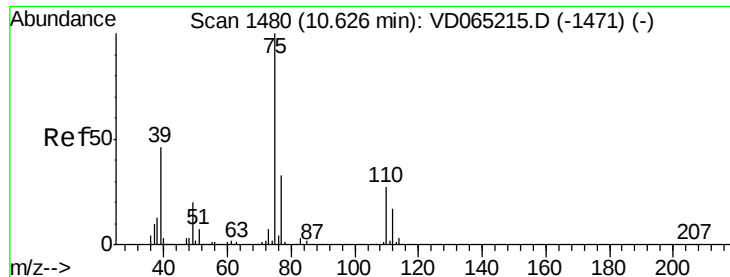
Tot Ion: 43 Resp: 255457
Ion Ratio Lower Upper
43 100
58 38.1 31.1 46.7



#52
Toluene
Concen: 21.637 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 92 Resp: 256185
Ion Ratio Lower Upper
92 100
91 170.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 19.893 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

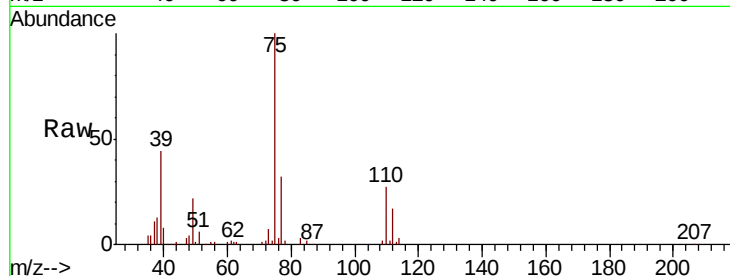
ClientSampleId :

Tot Ion: 75 Resp: 118924

Ion Ratio Lower Upper

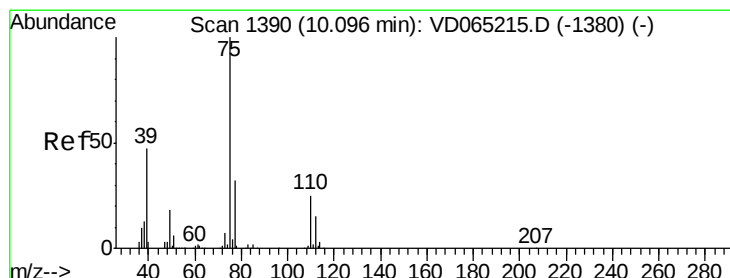
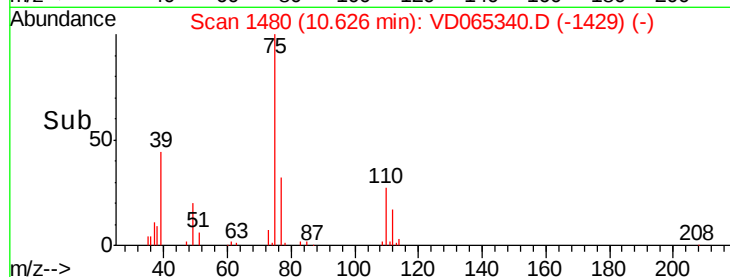
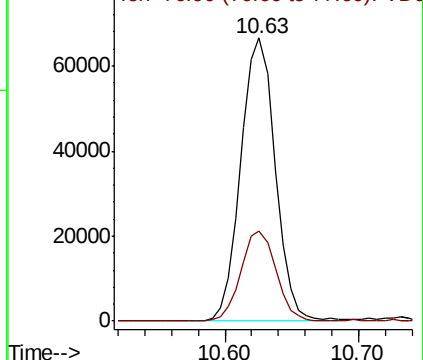
75 100

77 31.8 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.780 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

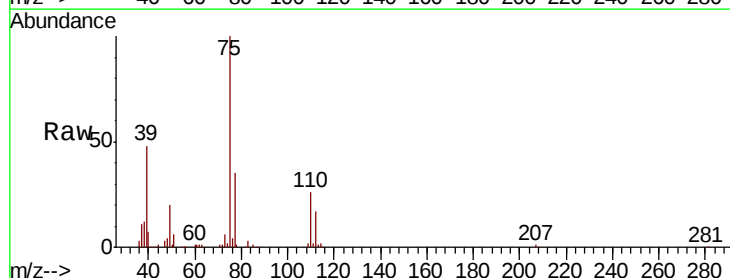
Tgt Ion: 75 Resp: 142790

Ion Ratio Lower Upper

75 100

77 35.0 25.8 38.8

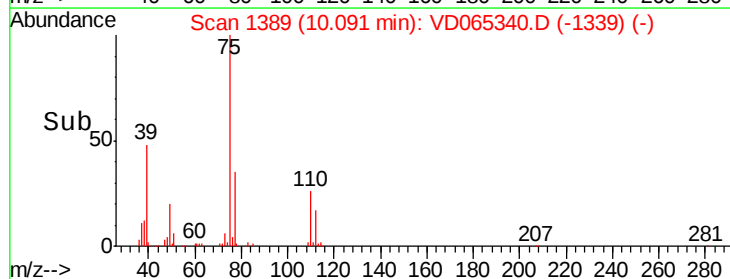
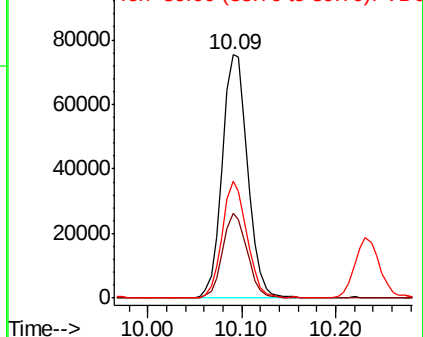
39 48.1 37.3 55.9

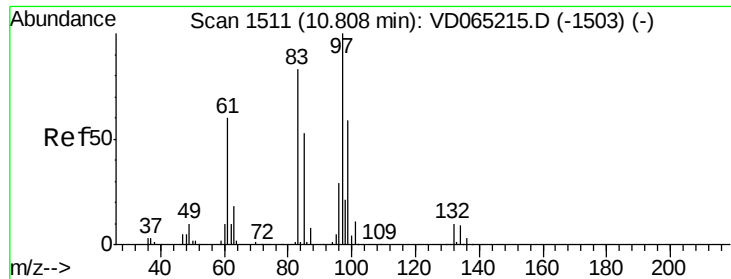


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

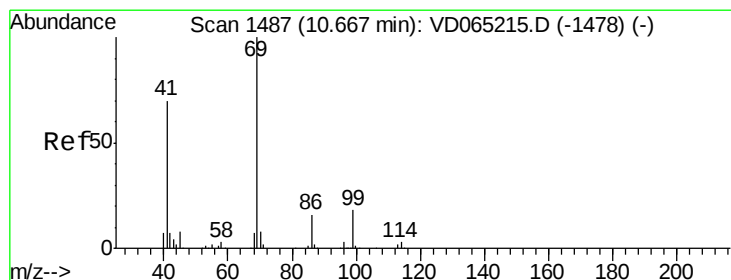
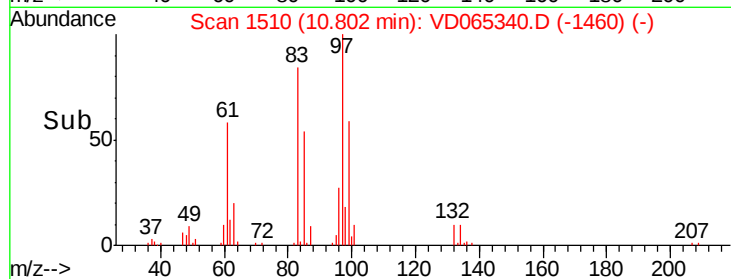
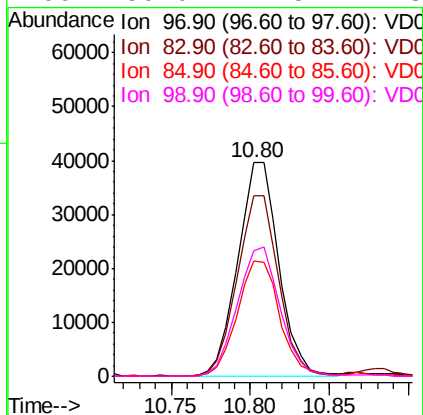
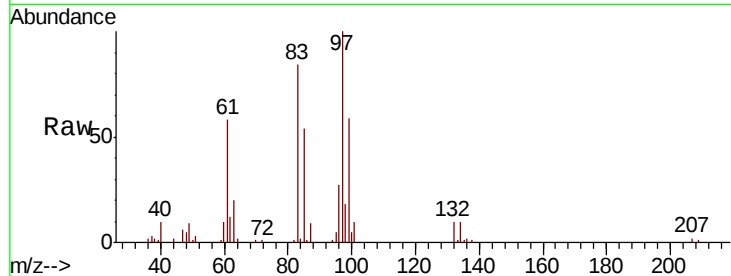




#55
 1,1,2-Trichloroethane
 Concen: 20.670 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

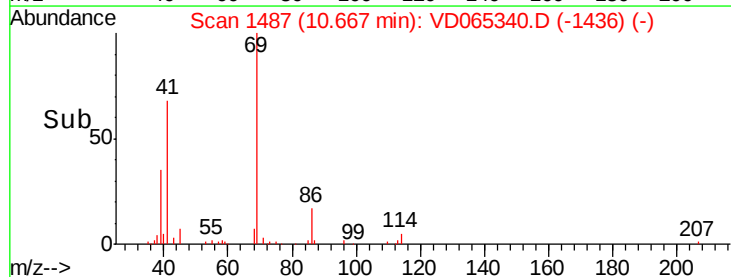
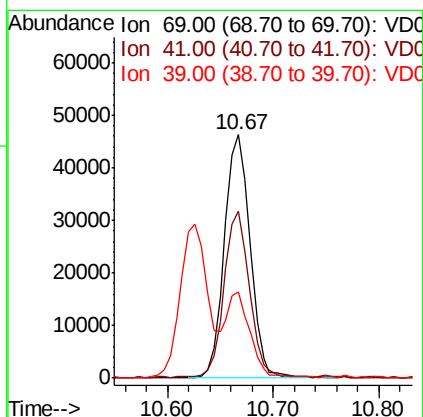
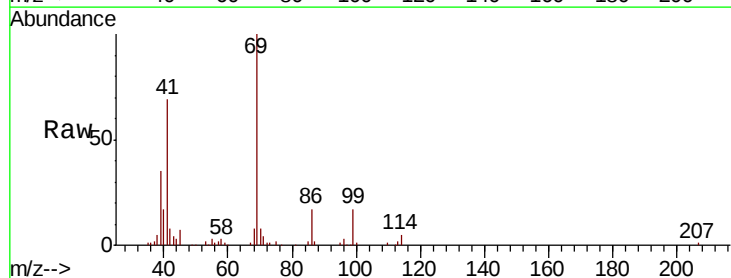
Instrument :
 MSVOA_D
 ClientSampleId :

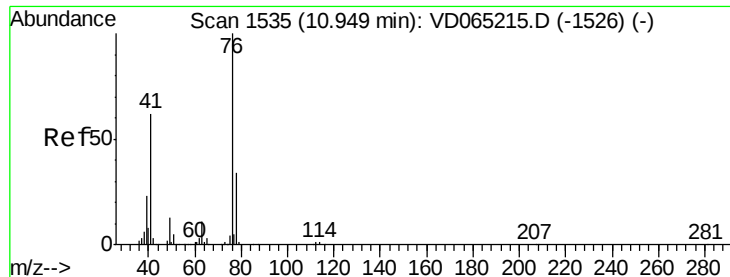
Tot Ion:	97	Resp:	71200
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.7	100.1
85	54.0	42.4	63.6
99	59.0	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 19.742 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion:	69	Resp:	78490
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	30.8	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.908 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

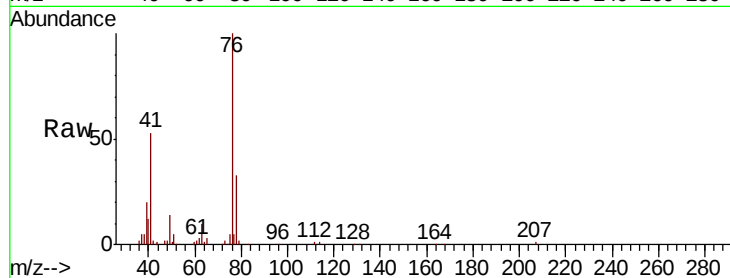
ClientSampleId :

Tot Ion: 76 Resp: 122572

Ion Ratio Lower Upper

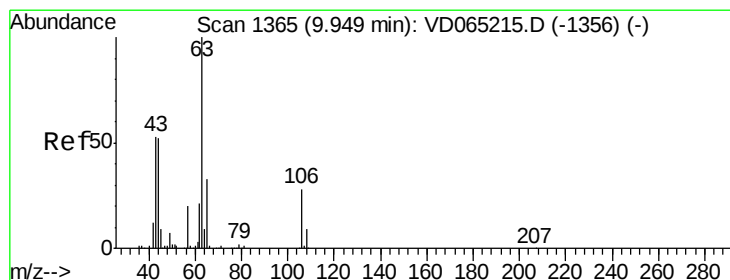
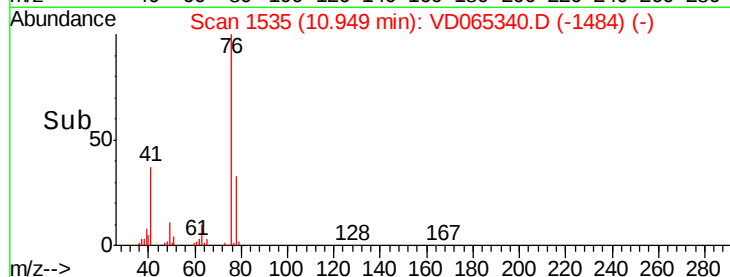
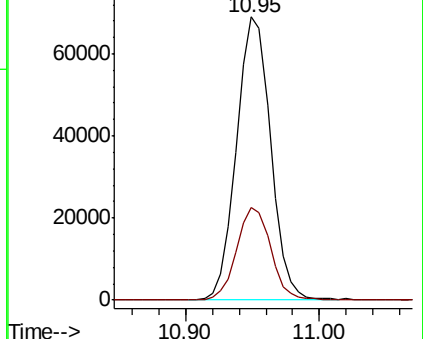
76 100

78 32.5 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.816 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065340.D

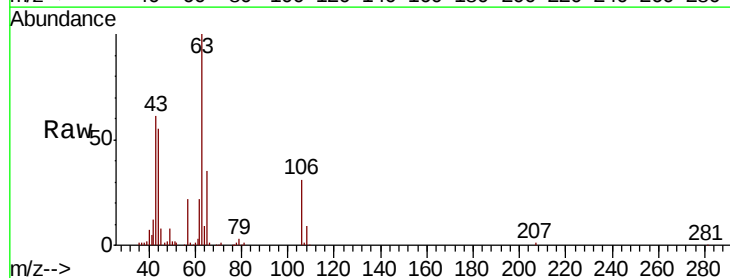
Acq: 27 Feb 2020 11:23

Tgt Ion: 63 Resp: 120100

Ion Ratio Lower Upper

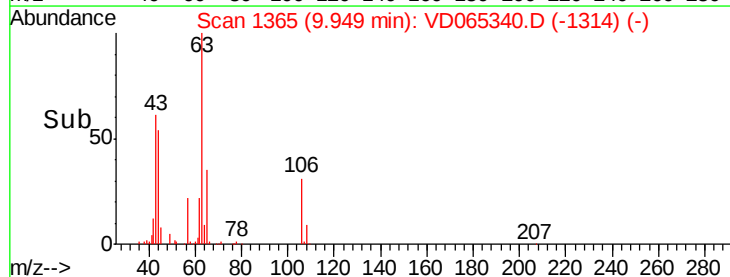
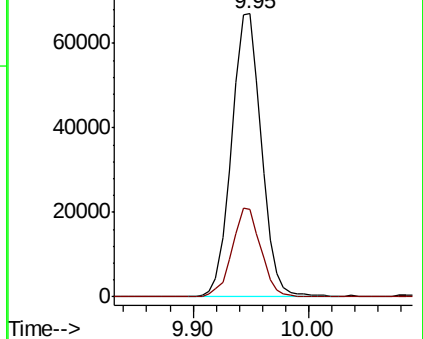
63 100

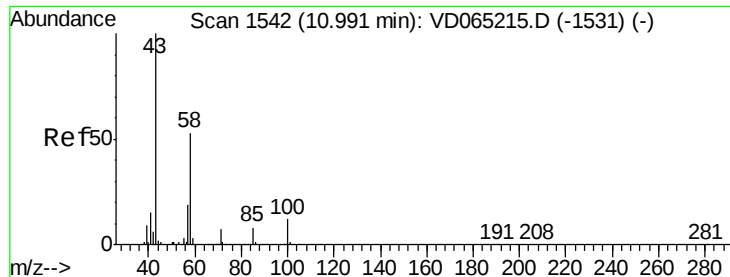
106 30.2 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

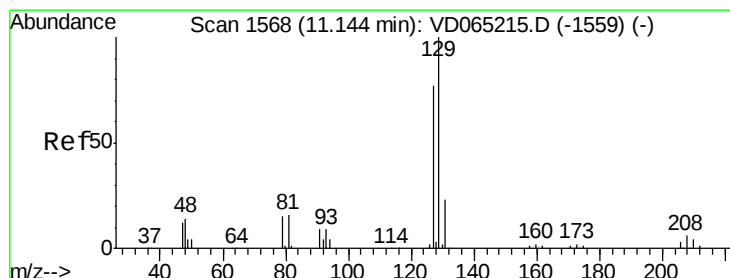
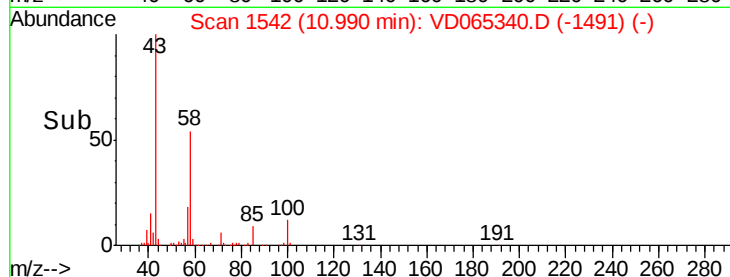
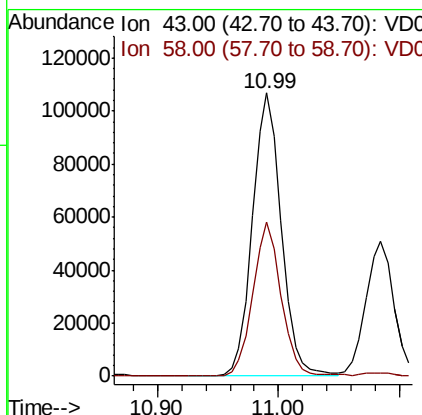
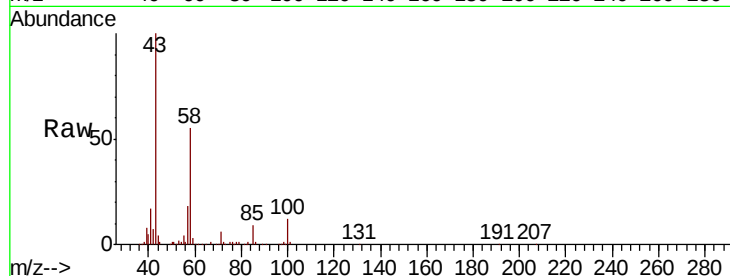




#59
2-Hexanone
Concen: 95.053 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

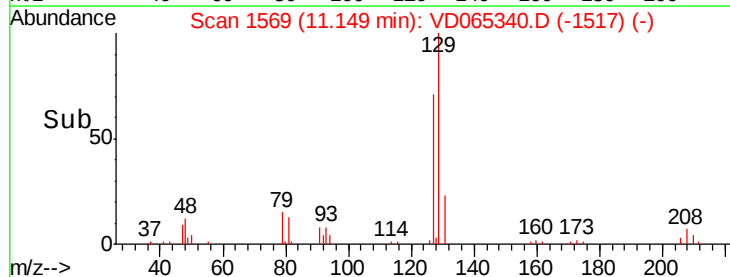
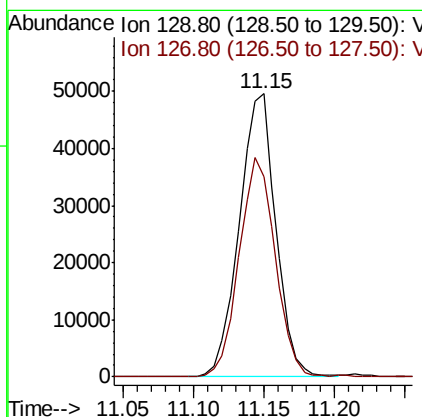
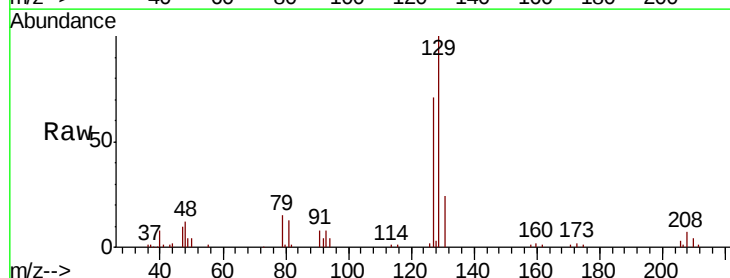
Instrument :
MSVOA_D
ClientSampleId :

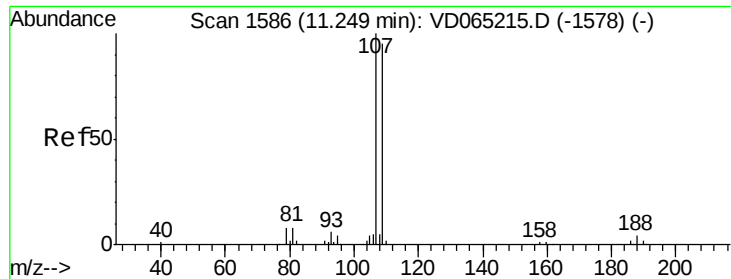
Tot Ion: 43 Resp: 178046
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 20.388 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:129 Resp: 89884
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





#61

1,2-Dibromoethane

Concen: 21.172 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

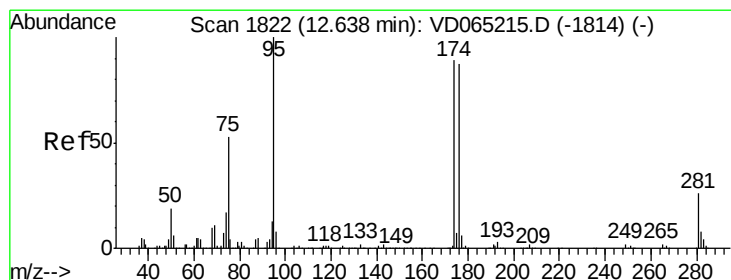
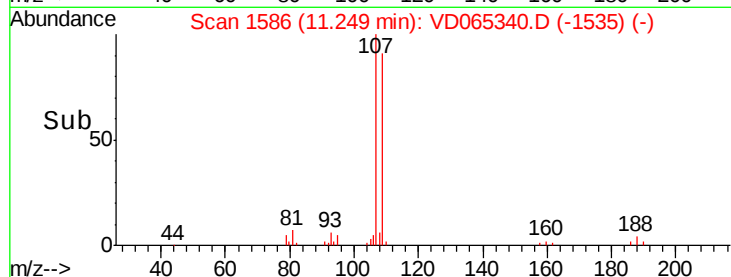
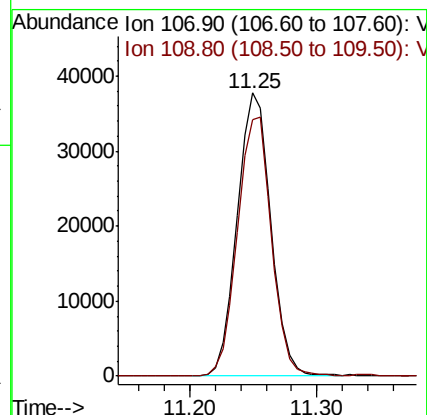
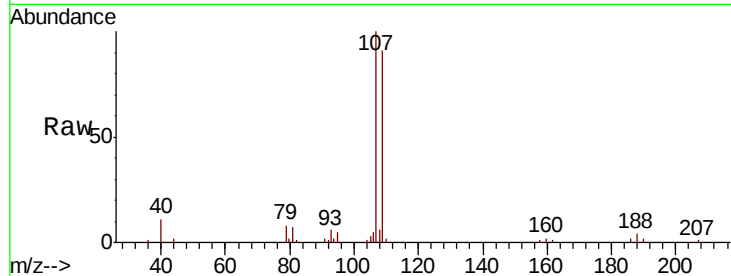
ClientSampleId :

Tot Ion:107 Resp: 69051

Ion Ratio Lower Upper

107 100

109 92.7 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 51.214 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

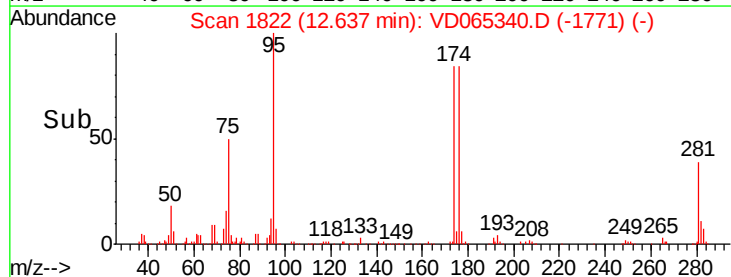
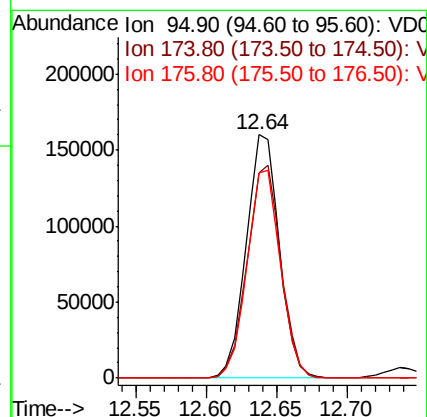
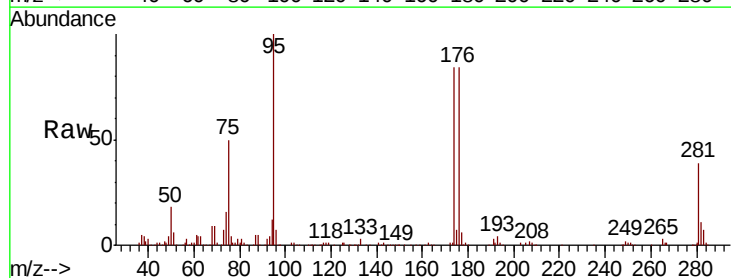
Tgt Ion: 95 Resp: 263402

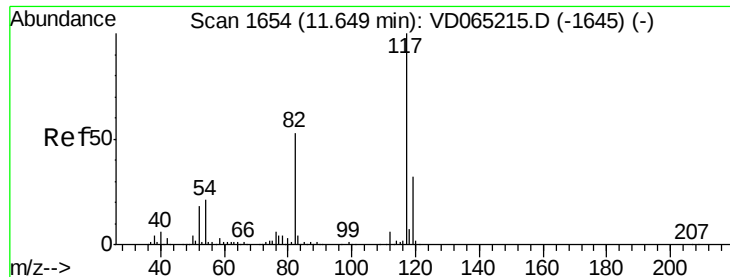
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.0

176 86.2 0.0 174.4

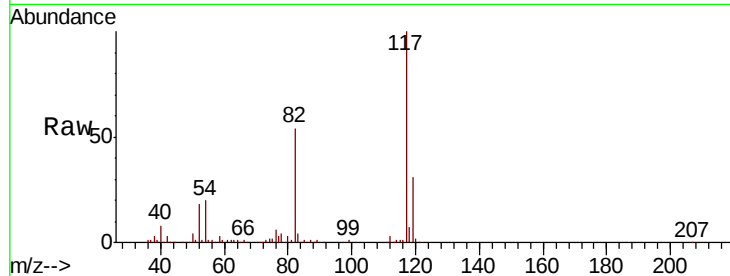




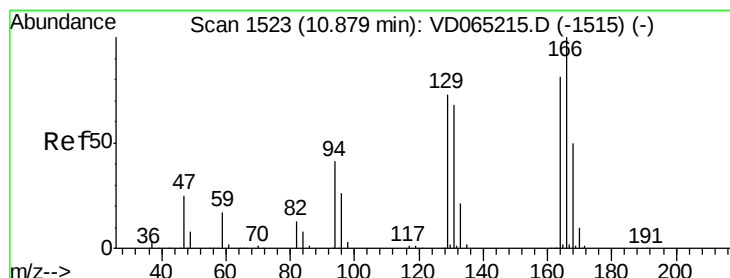
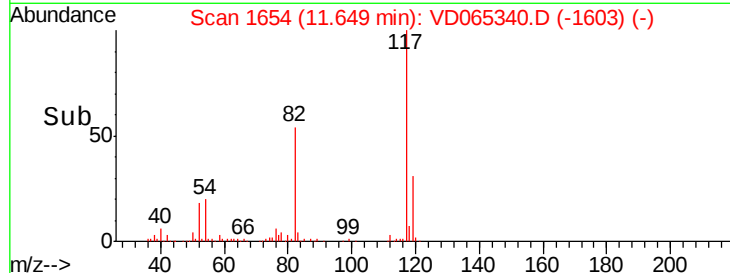
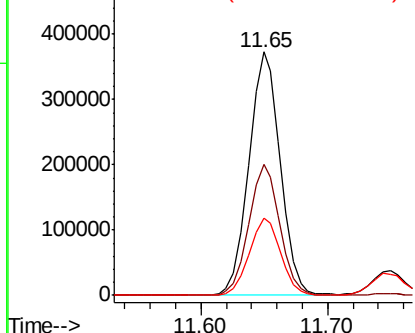
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 641043
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.5 25.5 38.3

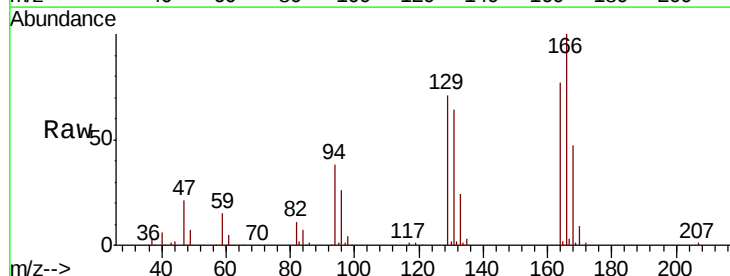


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

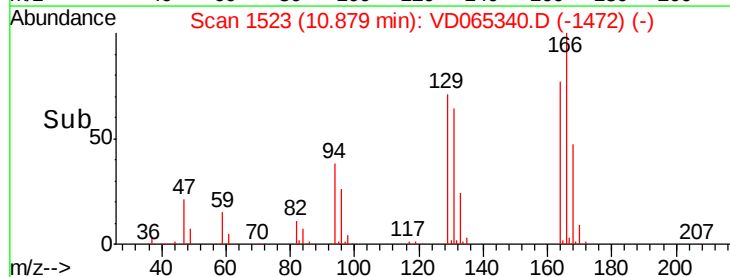
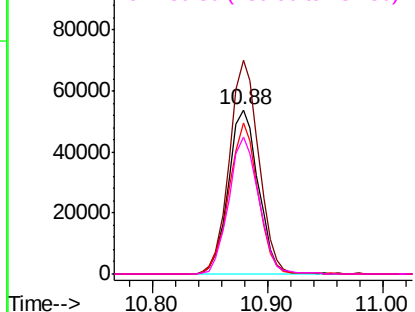


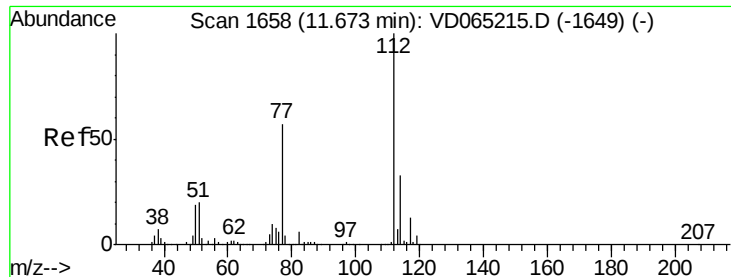
#64
Tetrachloroethene
Concen: 21.307 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:164 Resp: 96870
Ion Ratio Lower Upper
164 100
166 130.0 98.4 147.6
129 92.2 71.6 107.4
131 83.7 67.3 100.9



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

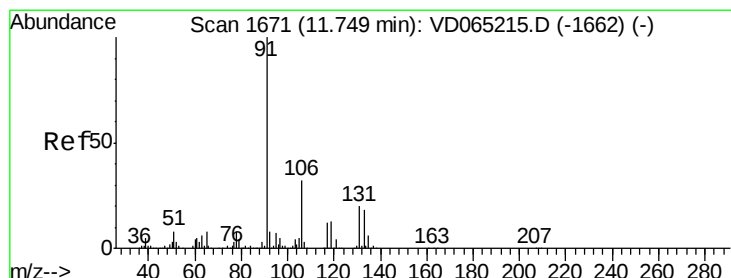
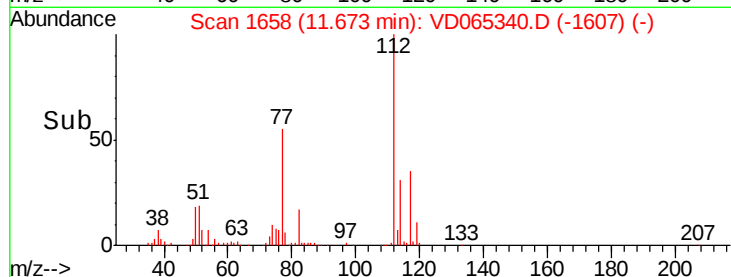
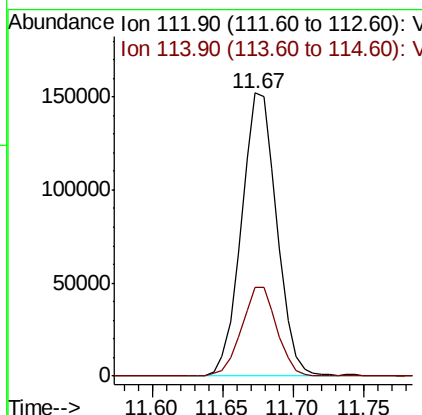
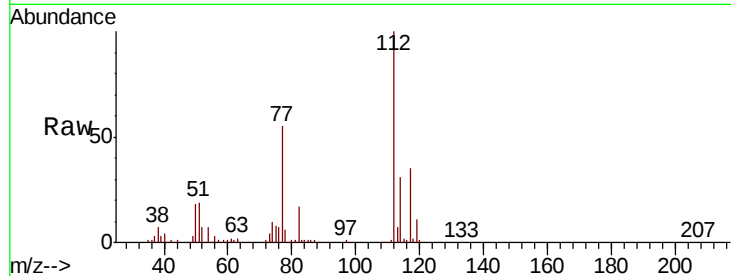




#65
Chlorobenzene
Concen: 20.710 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

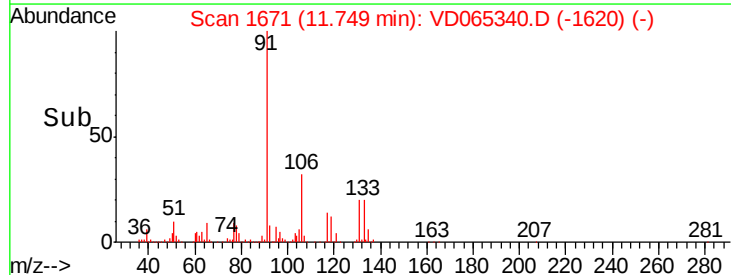
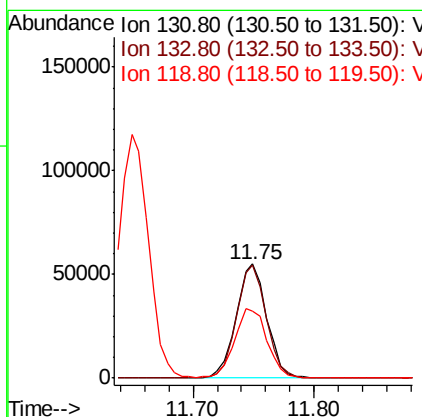
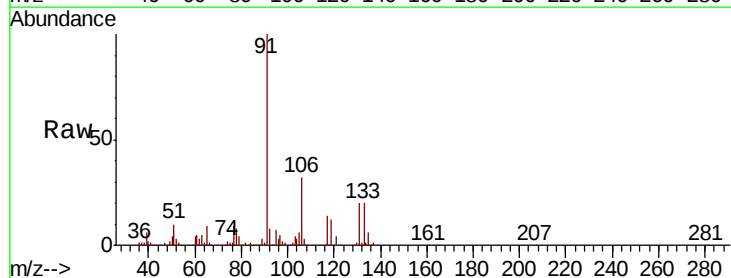
Instrument :
MSVOA_D
ClientSampleId :

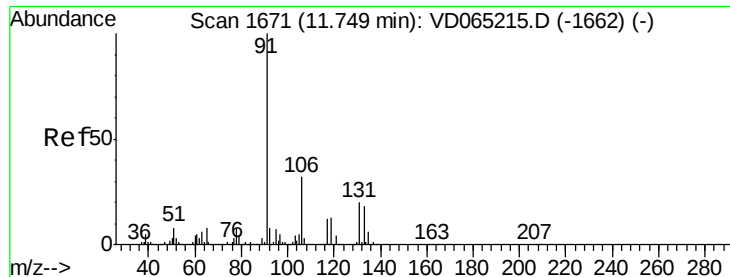
Tot Ion:112 Resp: 266419
Ion Ratio Lower Upper
112 100
114 31.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.214 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:131 Resp: 97040
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 65.3 32.7 98.1





#67

Ethyl Benzene

Concen: 20.004 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

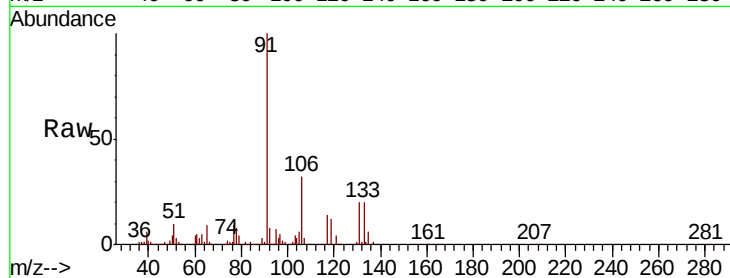
ClientSampleId :

Tot Ion: 91 Resp: 450683

Ion Ratio Lower Upper

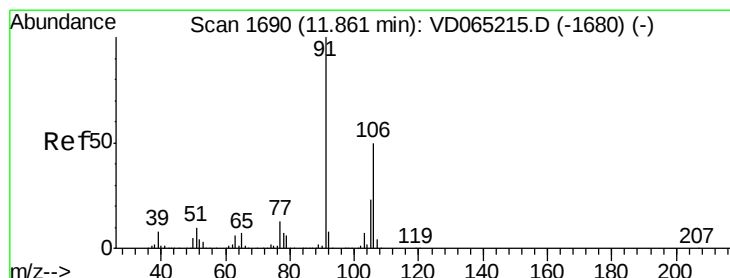
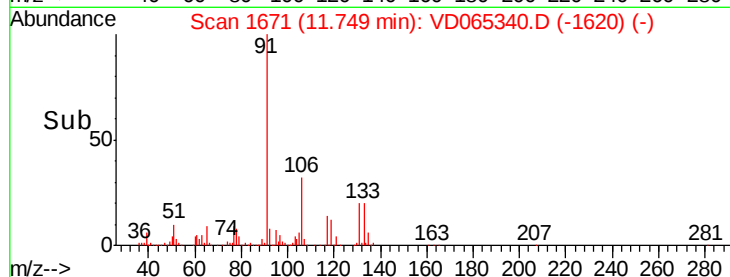
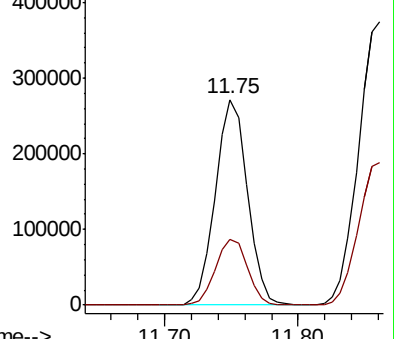
91 100

106 32.2 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: 41.949 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065340.D

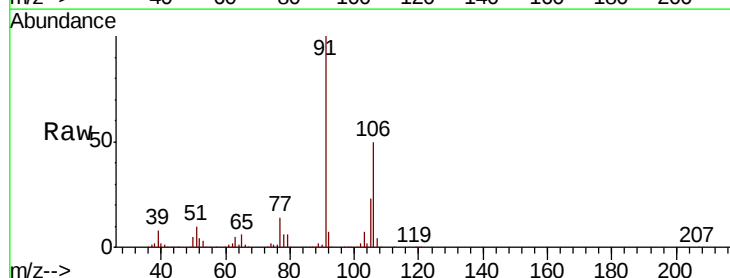
Acq: 27 Feb 2020 11:23

Tgt Ion: 106 Resp: 361593

Ion Ratio Lower Upper

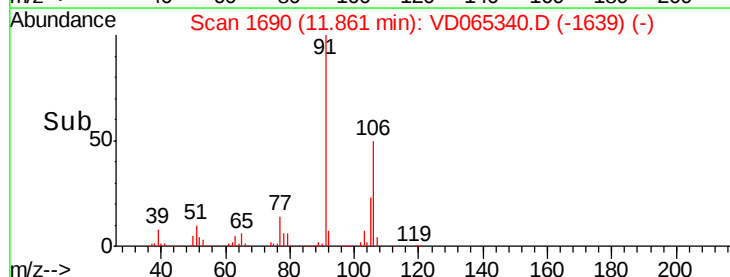
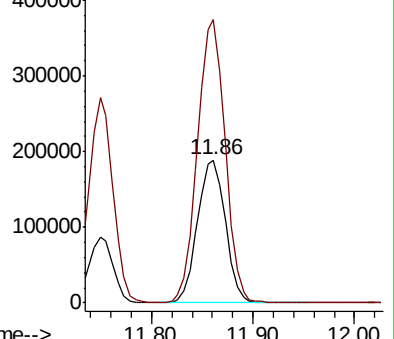
106 100

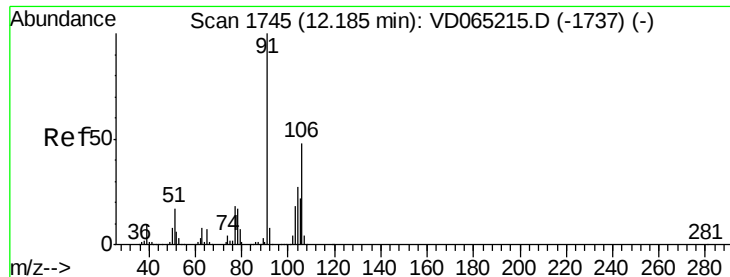
91 196.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

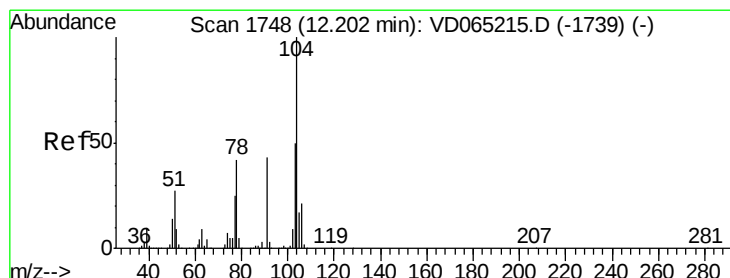
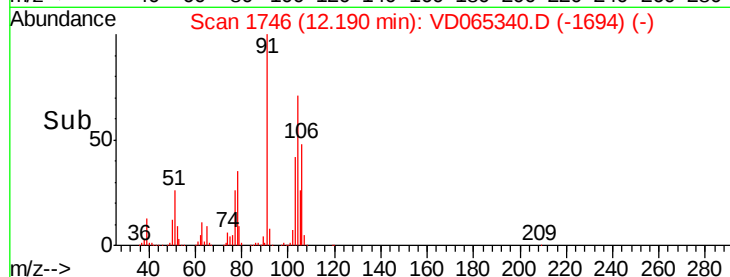
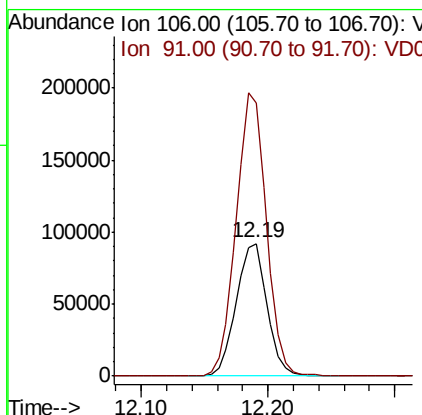
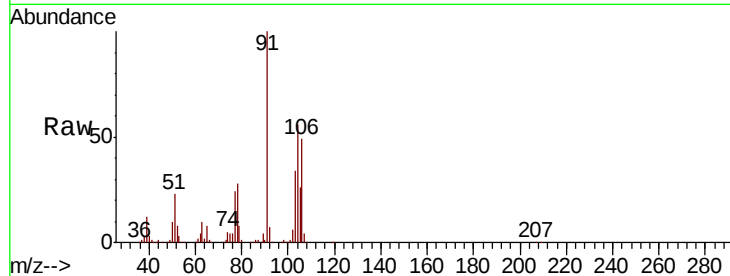




#69
o-Xylene
Concen: 20.264 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

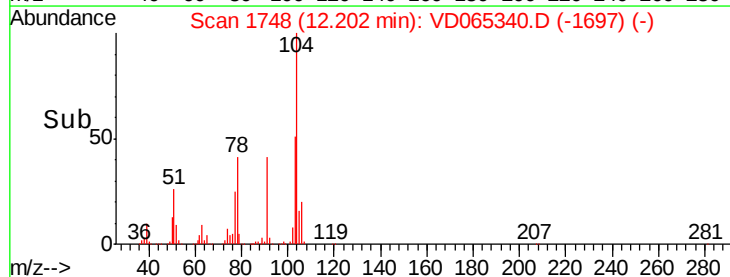
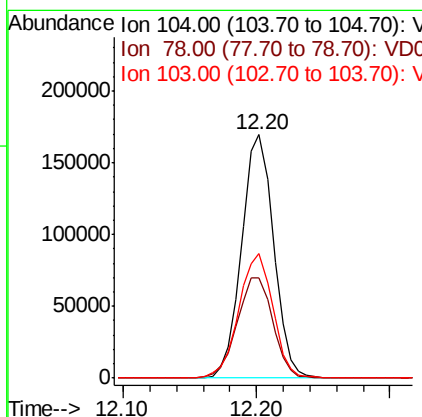
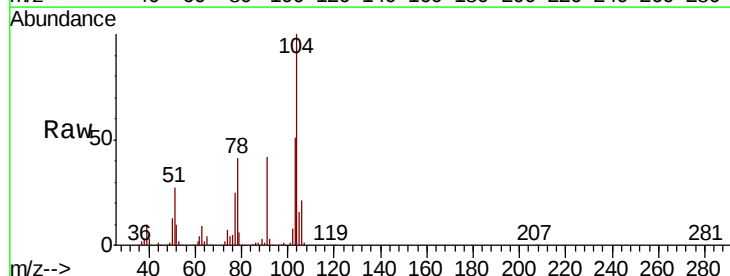
Instrument :
MSVOA_D
ClientSampled :

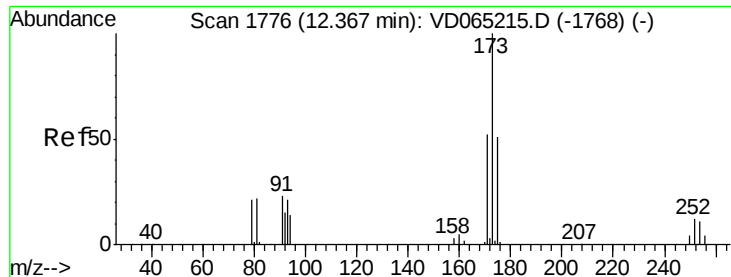
Tot Ion:106 Resp: 154751
Ion Ratio Lower Upper
106 100
91 209.9 104.7 313.9



#70
Styrene
Concen: 20.786 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:104 Resp: 281831
Ion Ratio Lower Upper
104 100
78 46.1 37.8 56.6
103 54.5 43.4 65.2





#71

Bromoform

Concen: 20.229 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

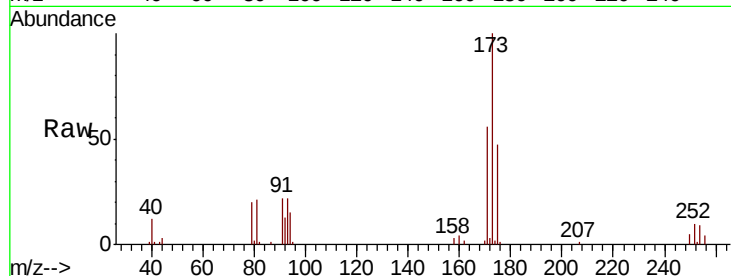
Tot Ion:173 Resp: 53886

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

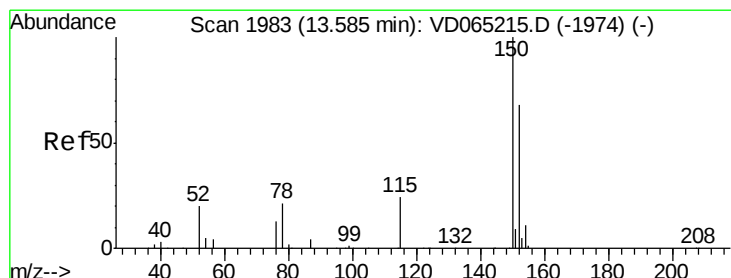
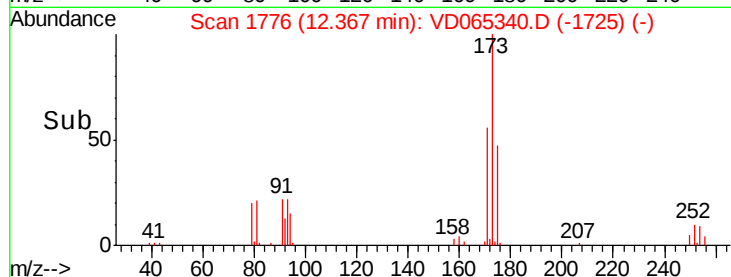
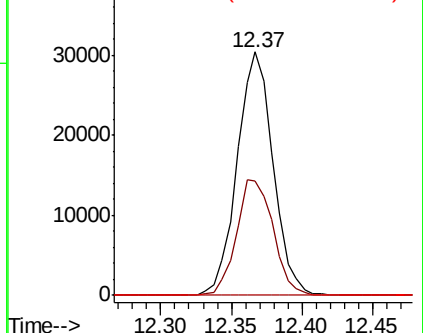
254 0.0 0.0 0.0



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: VD065340.D

Acq: 27 Feb 2020 11:23

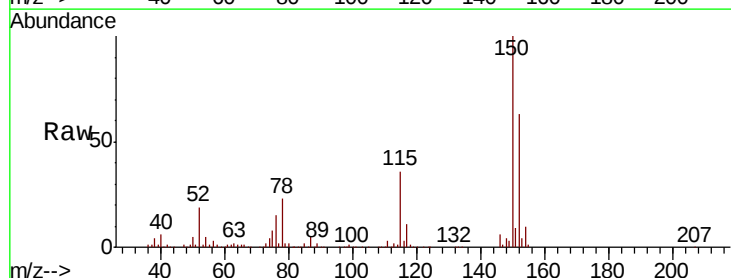
Tgt Ion:152 Resp: 321109

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

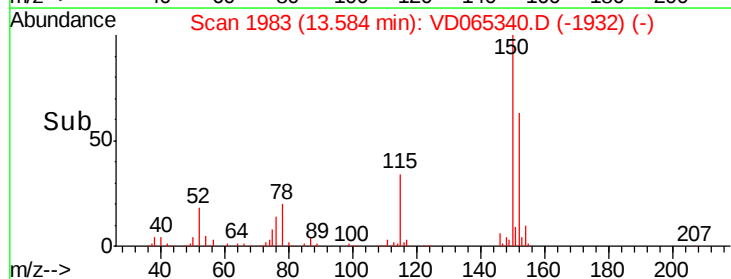
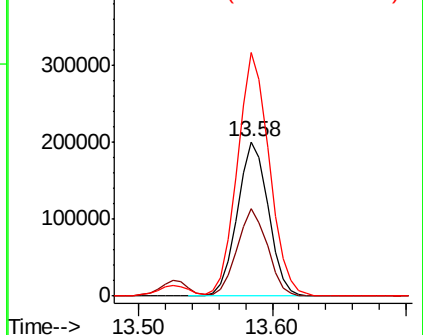
150 163.0 0.0 347.4

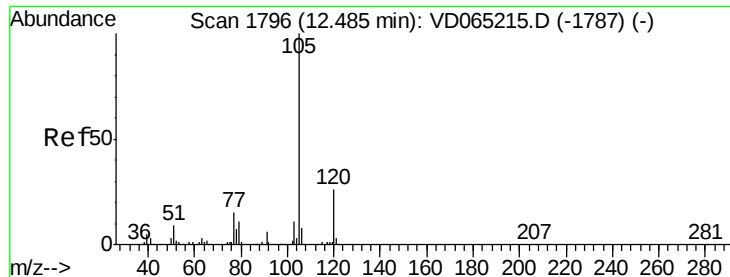


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.319 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

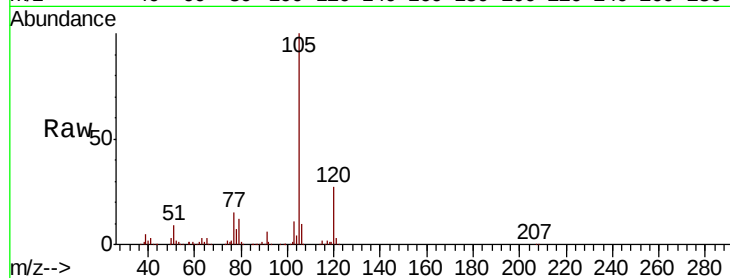
ClientSampleId :

Tot Ion:105 Resp: 431954

Ion Ratio Lower Upper

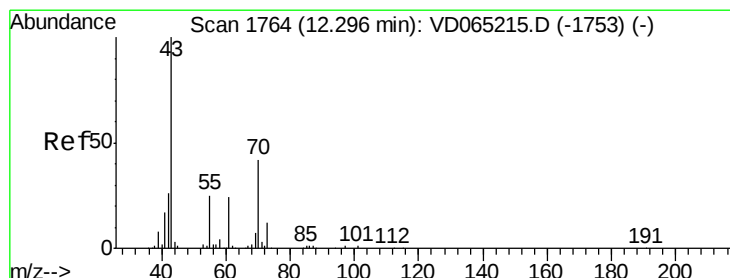
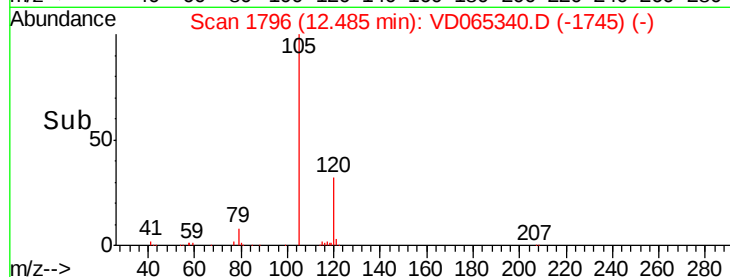
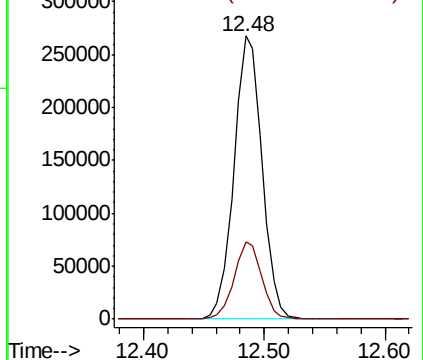
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.192 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion: 43 Resp: 85937

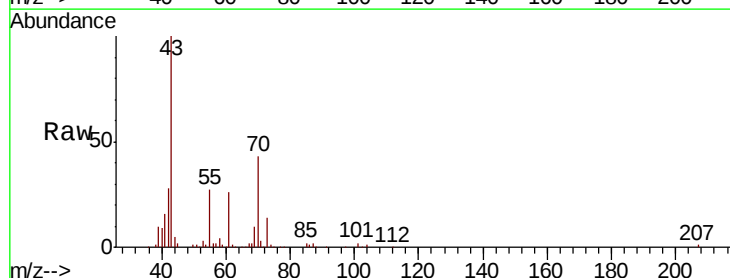
Ion Ratio Lower Upper

43 100

70 44.7 33.7 50.5

55 28.0 20.7 31.1

61 24.5 19.0 28.4

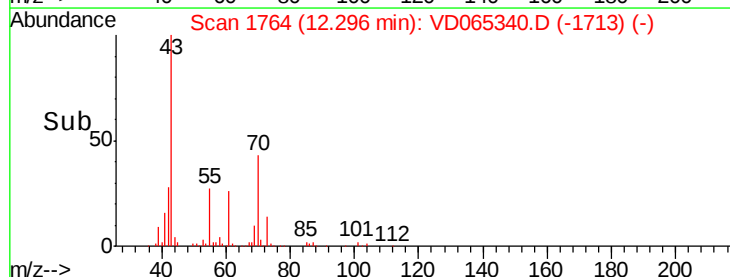
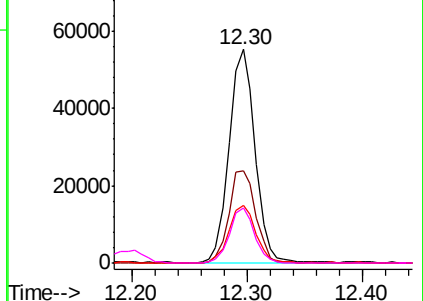


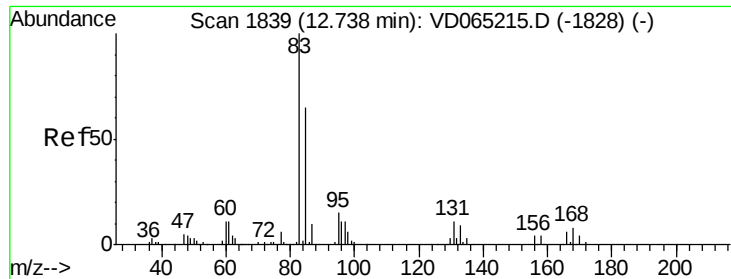
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.777 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

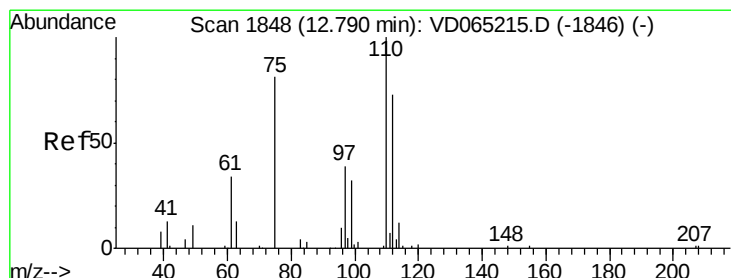
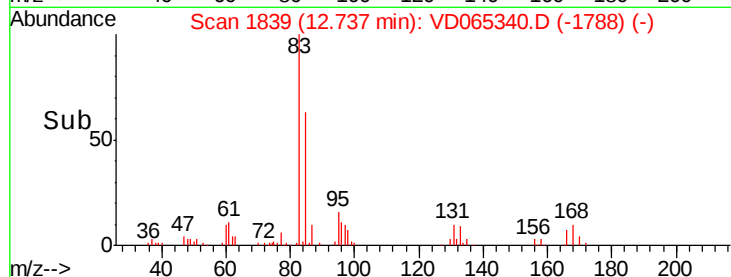
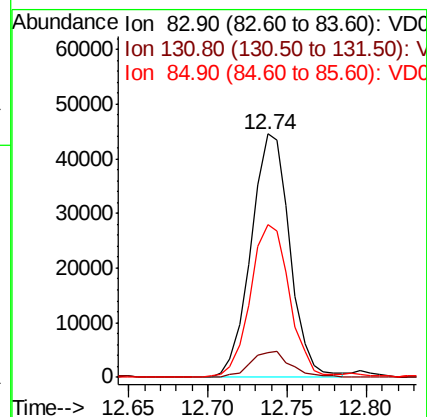
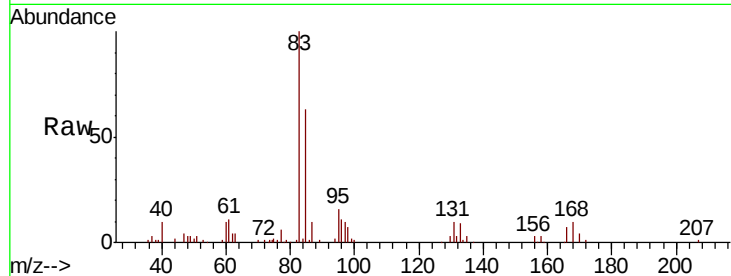
Tot Ion: 83 Resp: 75880

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 63.2 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 35.427 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065340.D

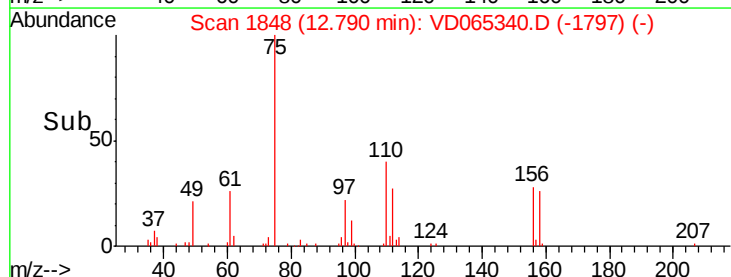
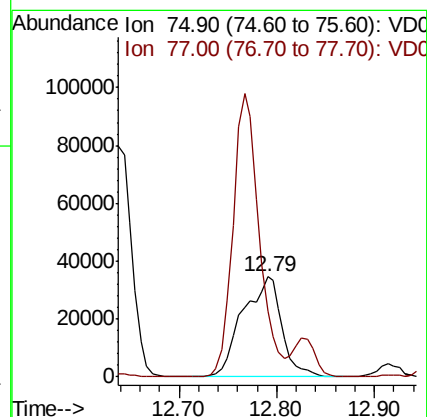
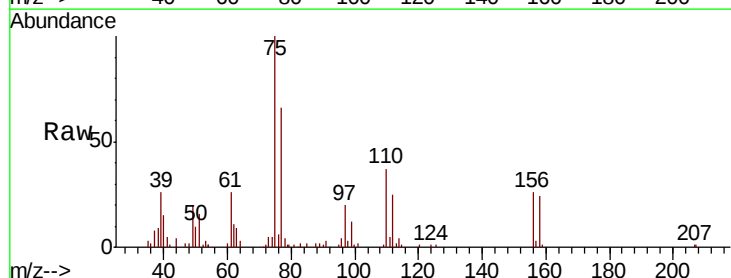
Acq: 27 Feb 2020 11:23

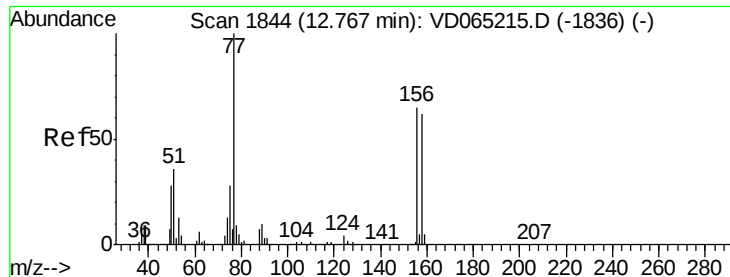
Tgt Ion: 75 Resp: 96789

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.221 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

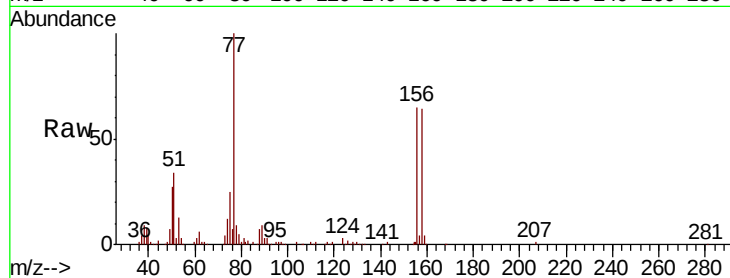
Tot Ion:156 Resp: 106748

Ion Ratio Lower Upper

156 100

77 171.3 86.6 259.7

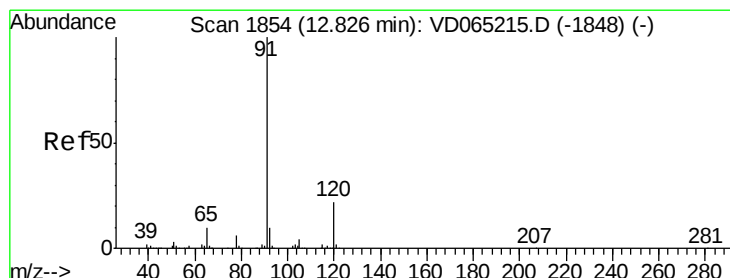
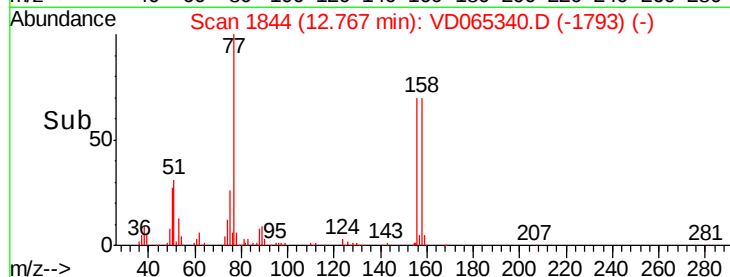
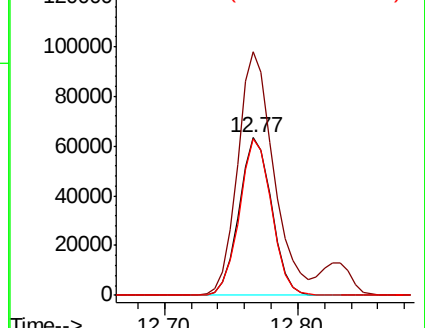
158 97.5 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.751 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065340.D

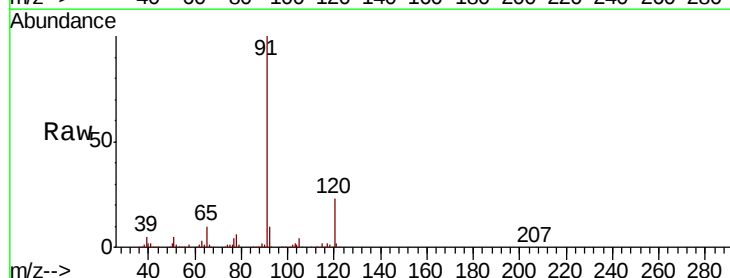
Acq: 27 Feb 2020 11:23

Tgt Ion: 91 Resp: 530126

Ion Ratio Lower Upper

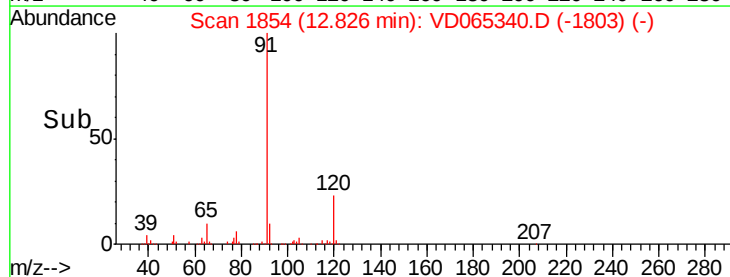
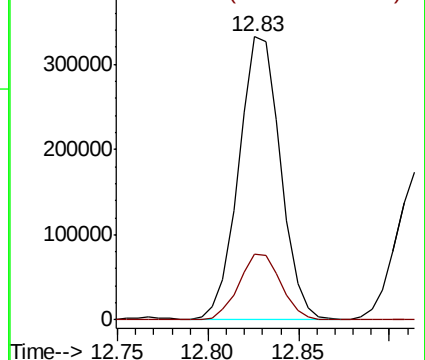
91 100

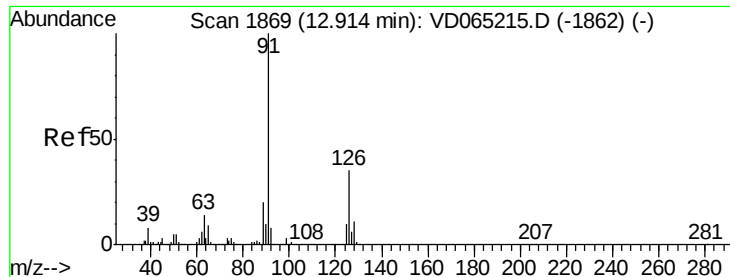
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

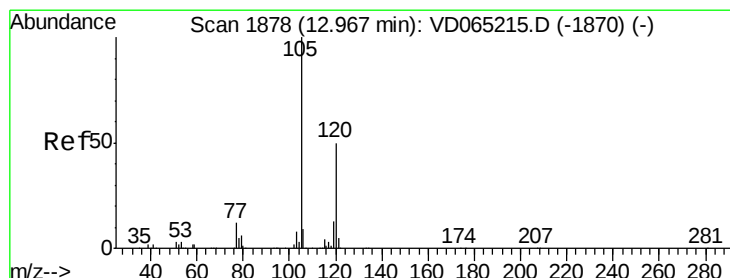
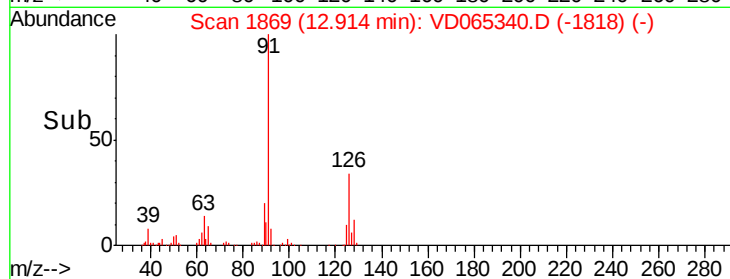
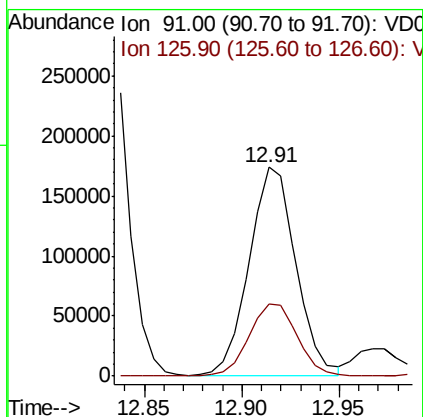
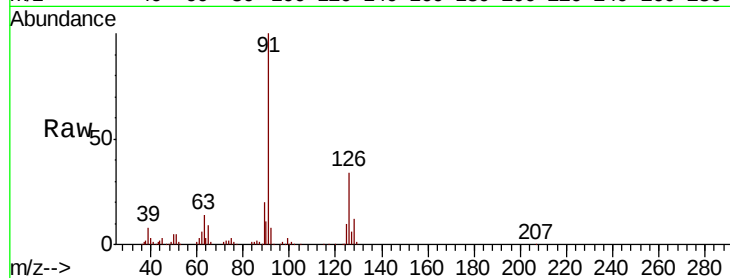




#79
 2-Chlorotoluene
 Concen: 20.113 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

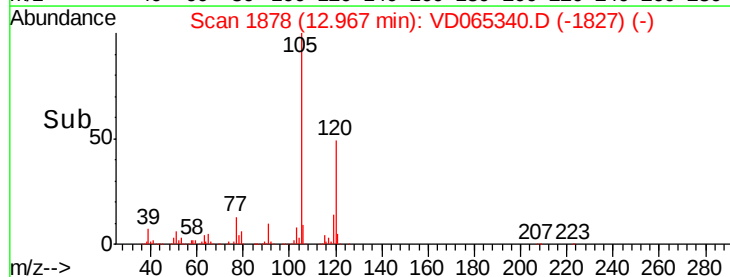
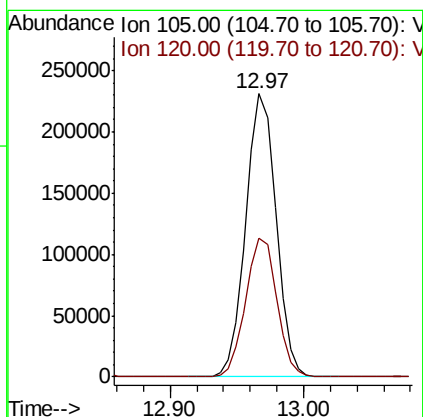
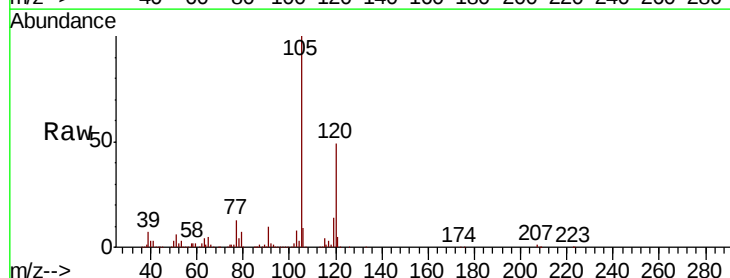
Instrument :
 MSVOA_D
 ClientSampleId :

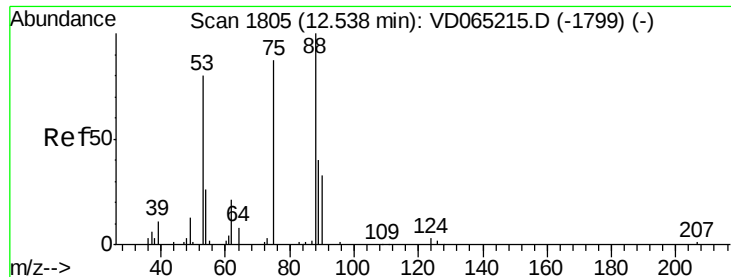
Tot Ion: 91 Resp: 287852
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.616 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion: 105 Resp: 360971
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.4

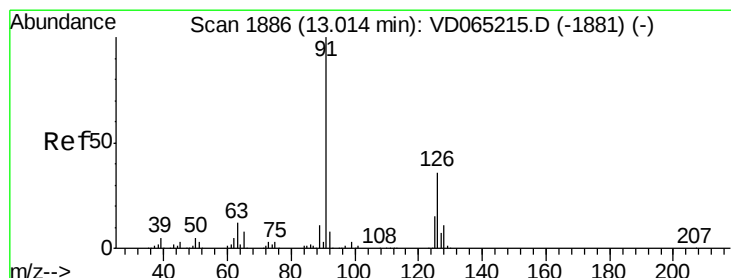
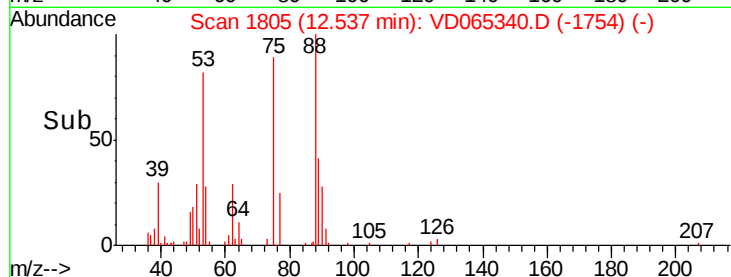
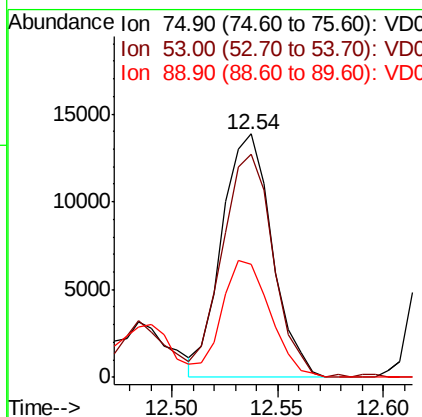
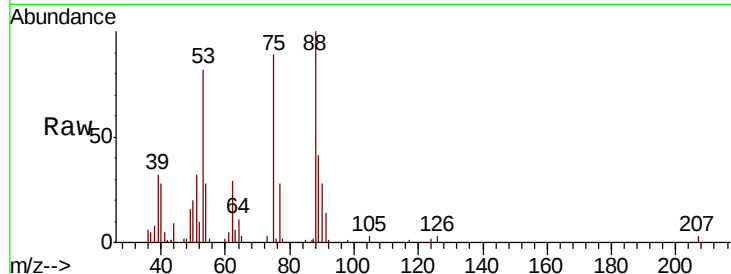




#81
trans-1,4-Dichloro-2-butene
Concen: 18.049 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

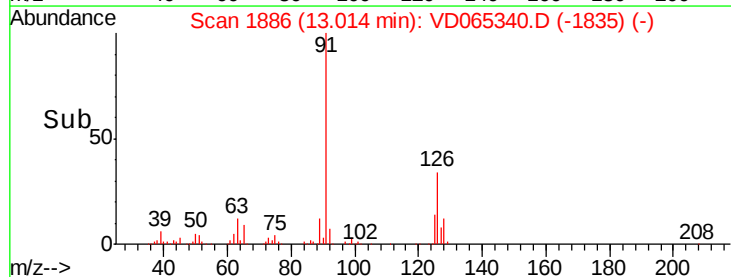
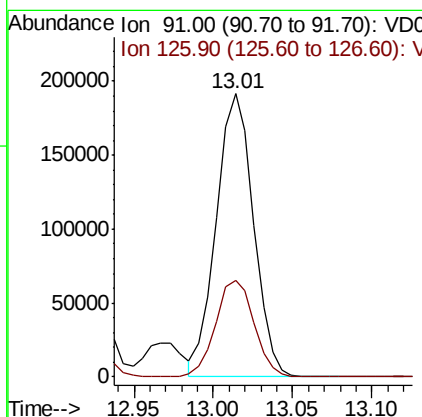
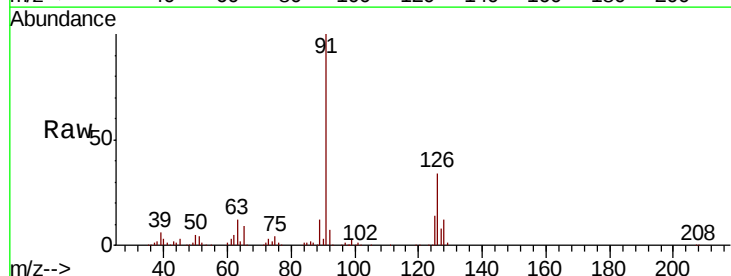
Instrument :
MSVOA_D
ClientSampleId :

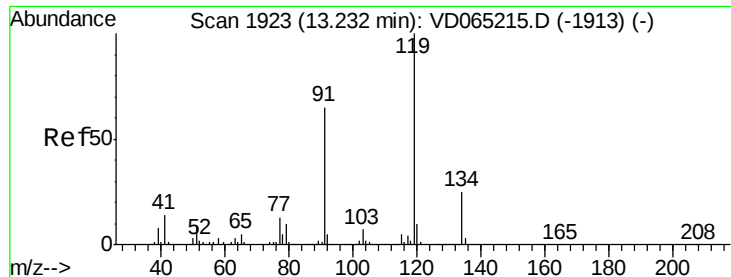
Tot Ion: 75 Resp: 22838
Ion Ratio Lower Upper
75 100
53 92.9 77.6 116.4
89 46.8 37.2 55.8



#82
4-Chlorotoluene
Concen: 20.512 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 91 Resp: 311653
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3

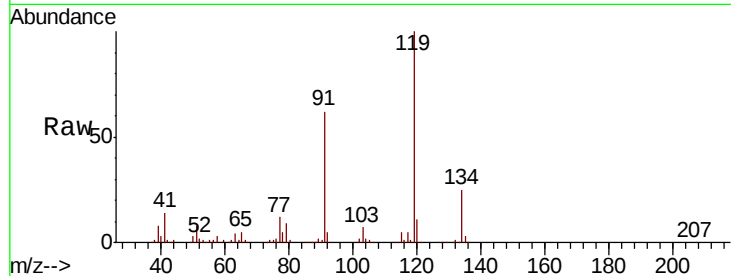




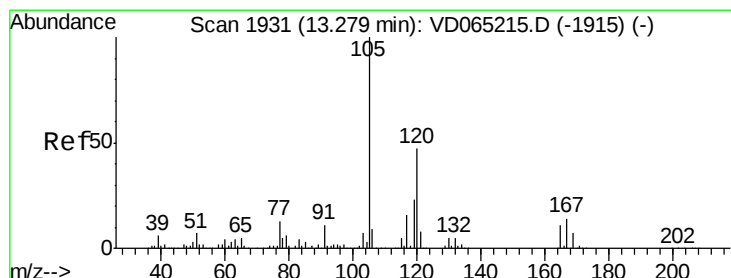
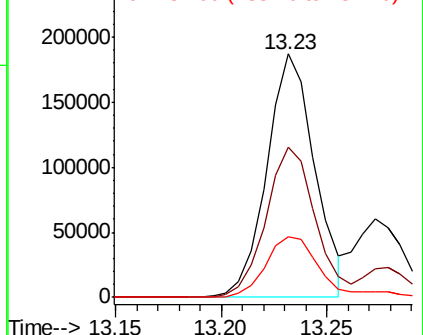
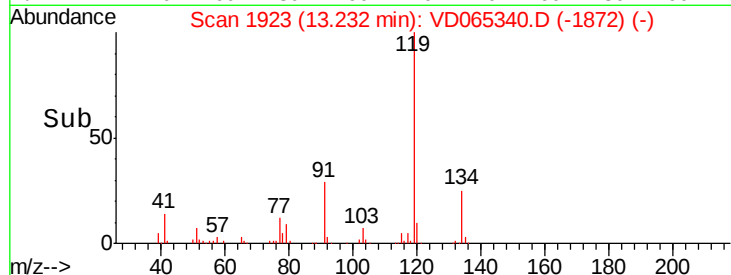
#83
tert-Butylbenzene
Concen: 20.058 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 294360
Ion Ratio Lower Upper
119 100
91 63.9 31.9 95.5
134 28.8 13.8 41.3

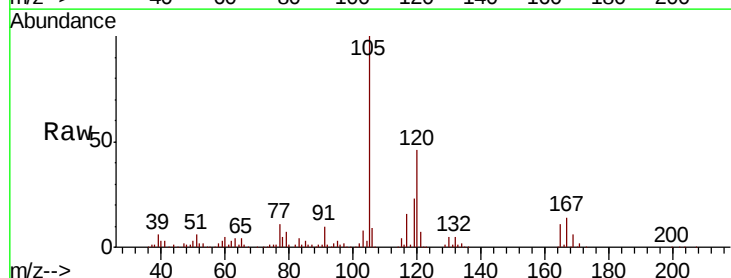


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

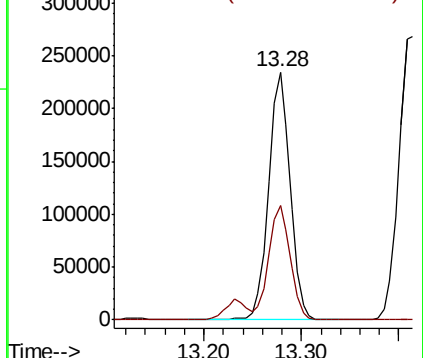
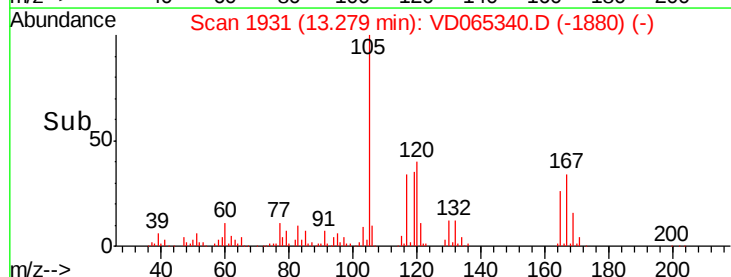


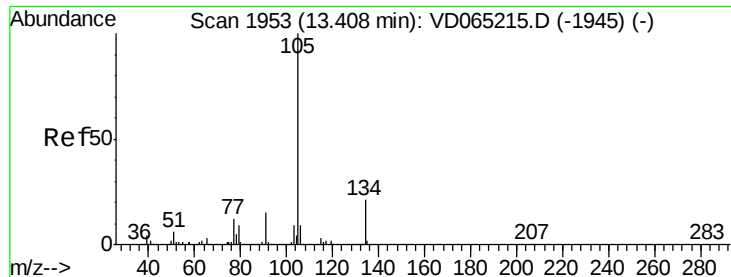
#84
1,2,4-Trimethylbenzene
Concen: 20.688 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:105 Resp: 362562
Ion Ratio Lower Upper
105 100
120 46.3 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.450 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

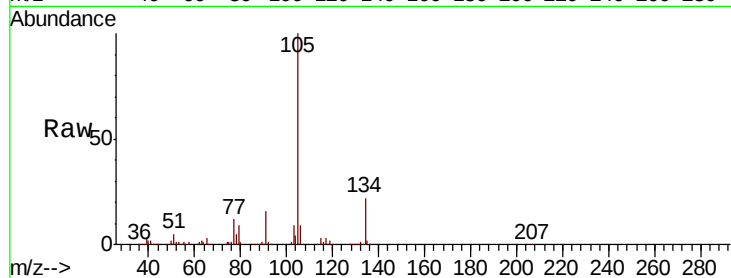
ClientSampleId :

Tot Ion:105 Resp: 432433

Ion Ratio Lower Upper

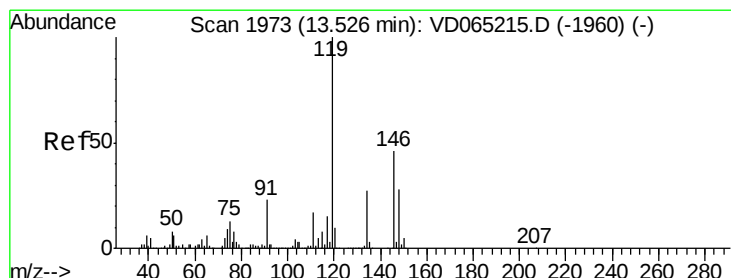
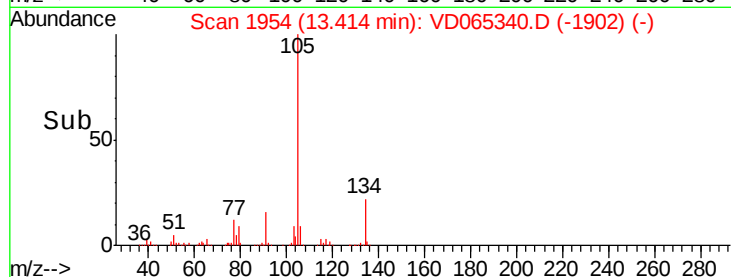
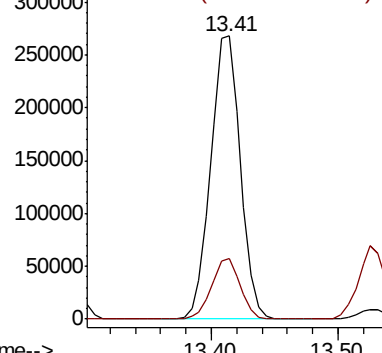
105 100

134 20.6 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: 20.854 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

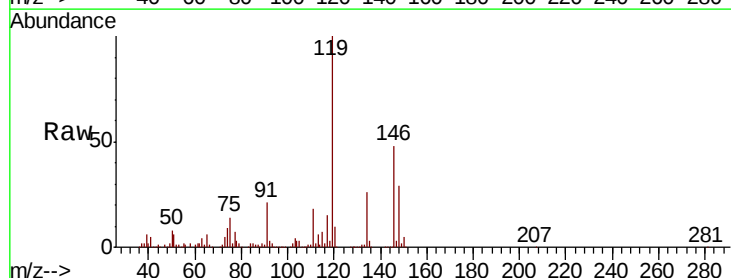
Tgt Ion:119 Resp: 403266

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

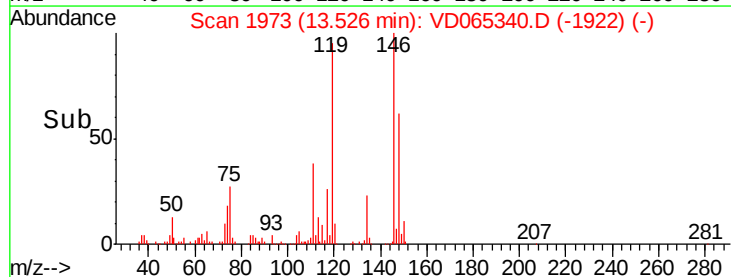
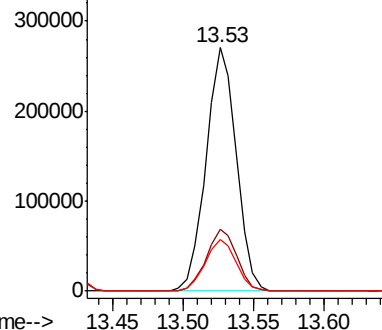
91 21.6 11.1 33.1

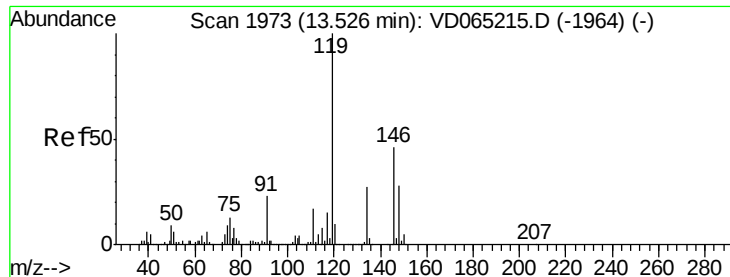


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.285 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

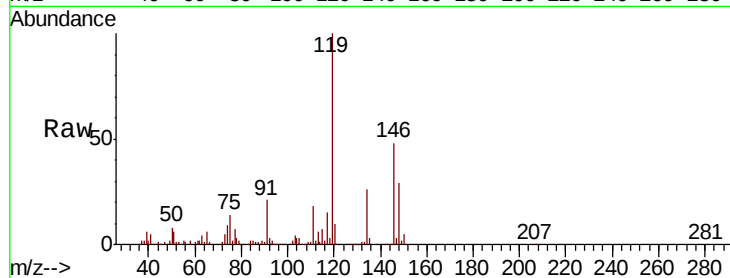
Tot Ion:146 Resp: 207012

Ion Ratio Lower Upper

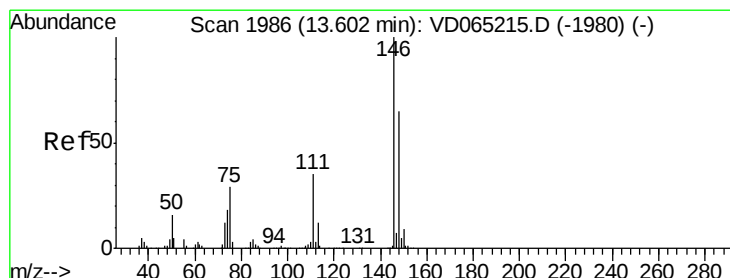
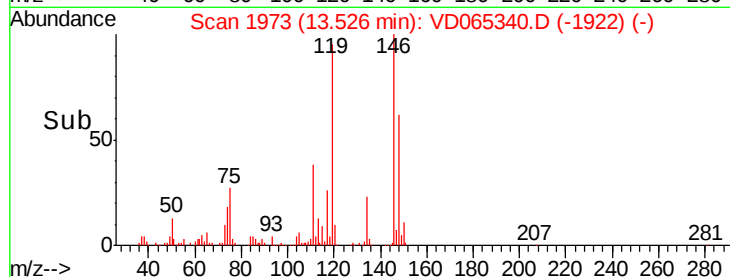
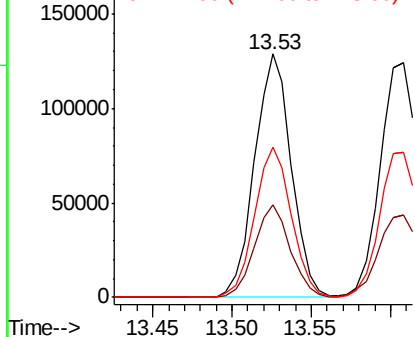
146 100

111 37.2 18.6 55.8

148 62.0 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 20.491 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

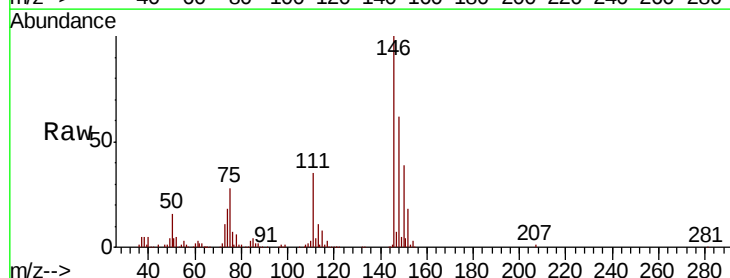
Tgt Ion:146 Resp: 206389

Ion Ratio Lower Upper

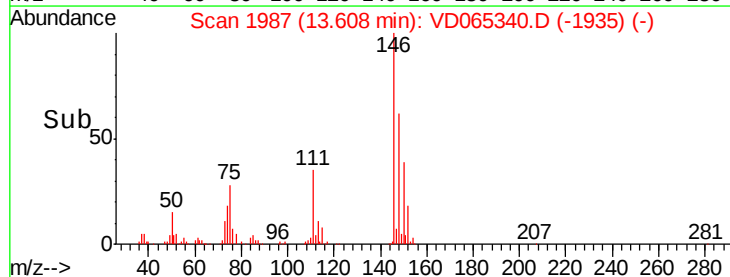
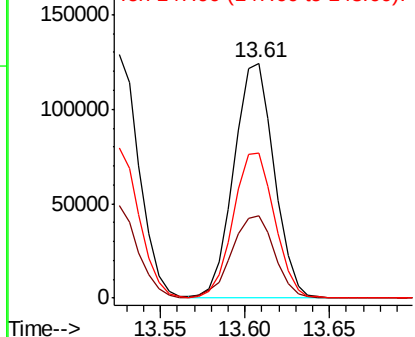
146 100

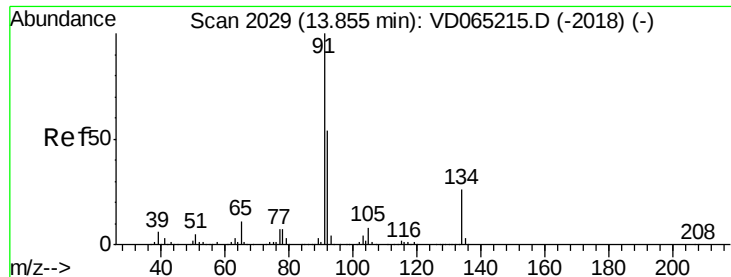
111 37.3 18.4 55.2

148 63.5 32.1 96.5



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

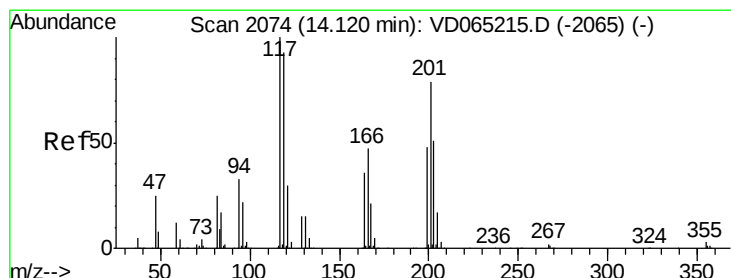
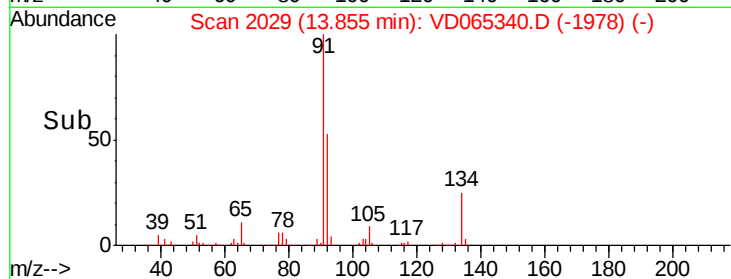
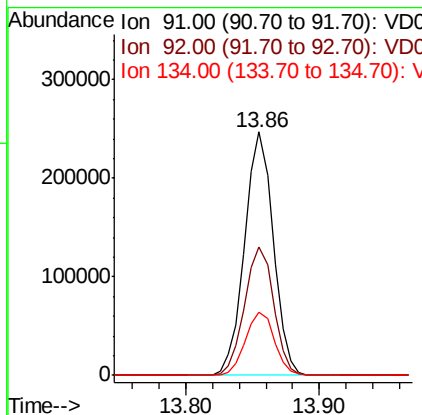
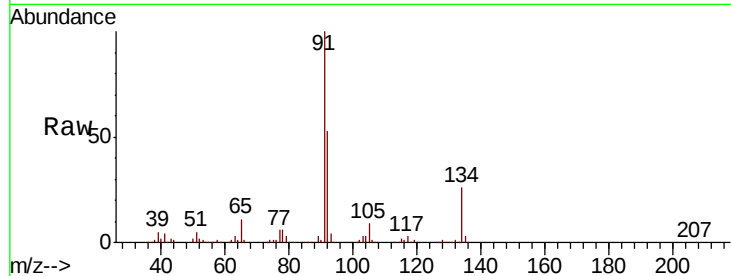




#89
n-Butylbenzene
Concen: 20.528 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

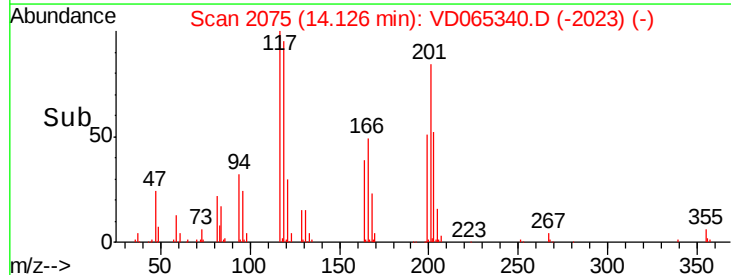
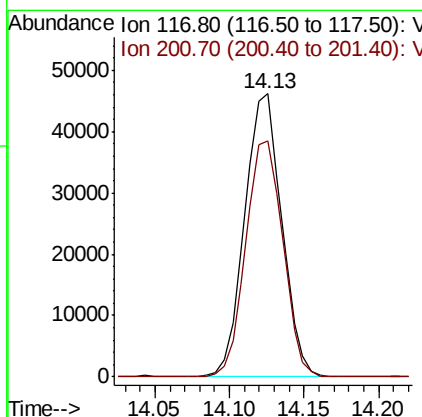
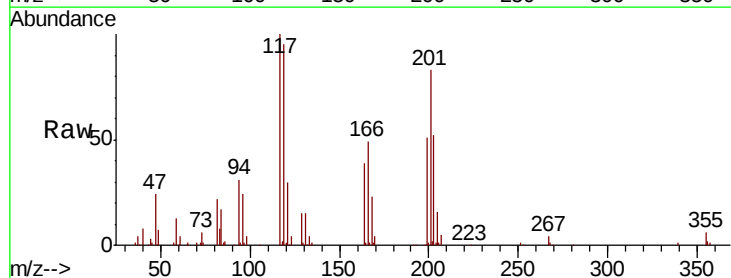
Instrument :
MSVOA_D
ClientSampleId :

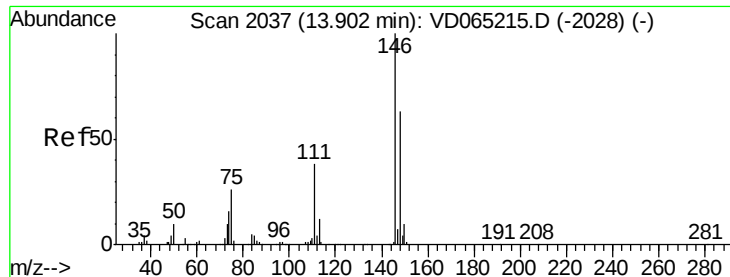
Tot Ion: 91 Resp: 365809
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 26.3 13.5 40.4



#90
Hexachloroethane
Concen: 20.180 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 117 Resp: 79238
Ion Ratio Lower Upper
117 100
201 83.5 41.3 124.1

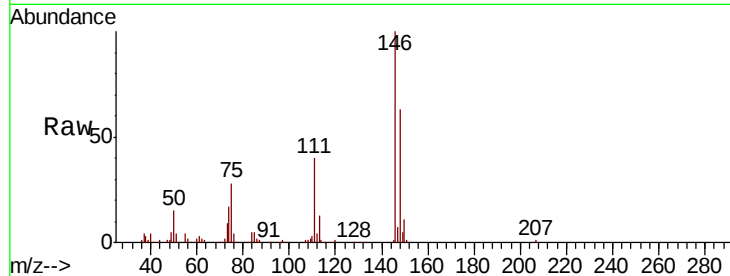




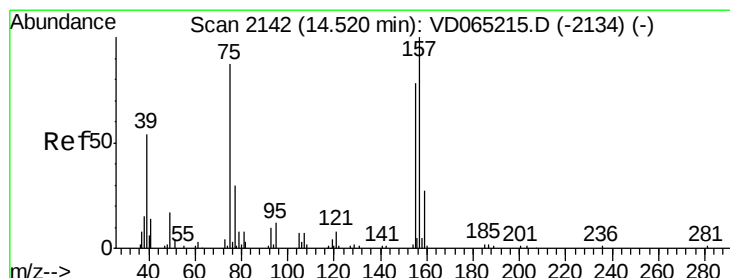
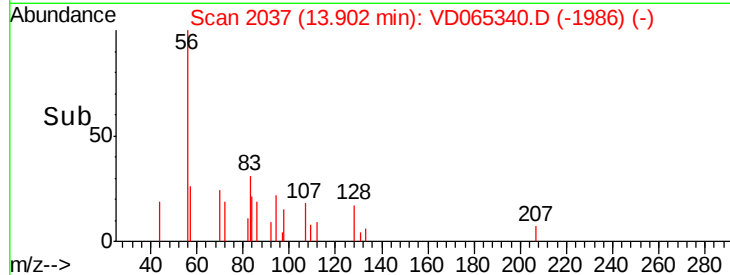
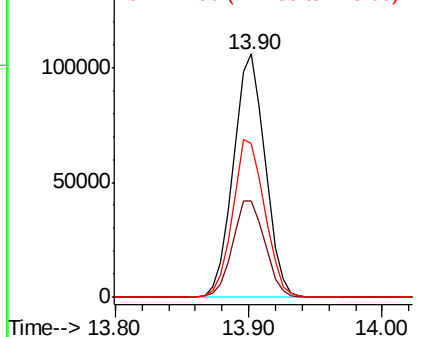
#91
 1,2-Dichlorobenzene
 Concen: 19.981 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.0
148	65.6	32.0	96.2

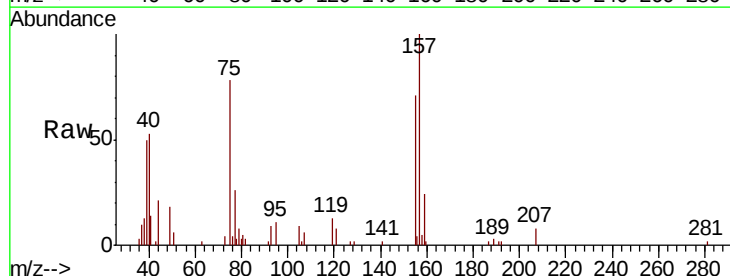


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

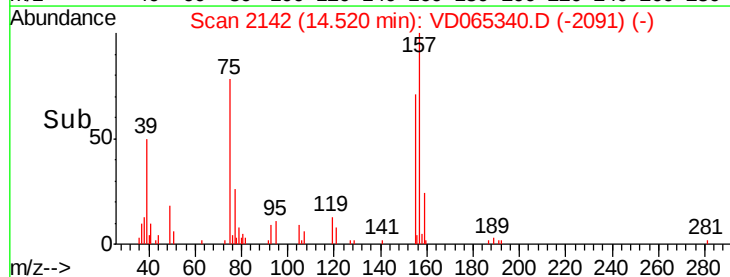
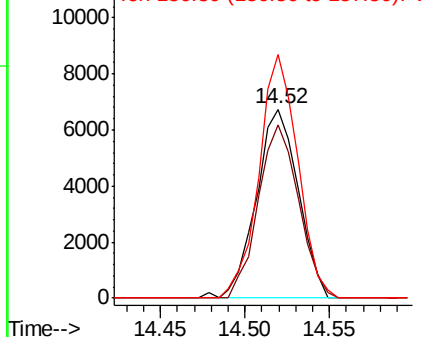


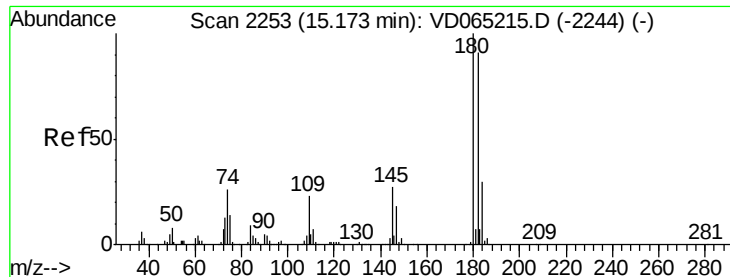
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.734 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	42.3	126.9
157	118.9	56.7	170.1



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

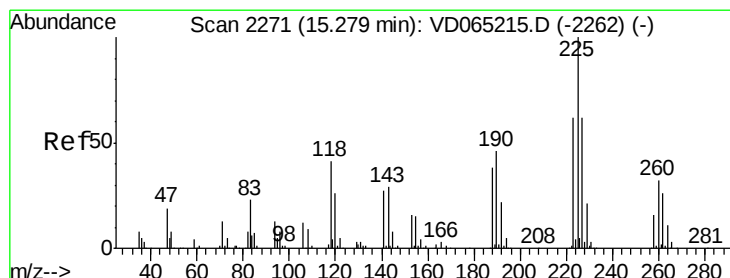
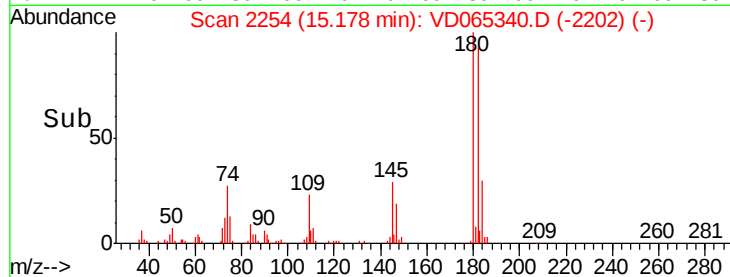
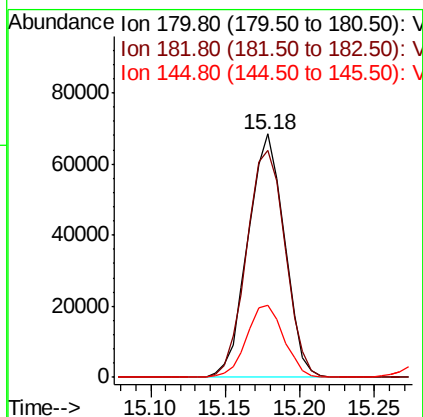
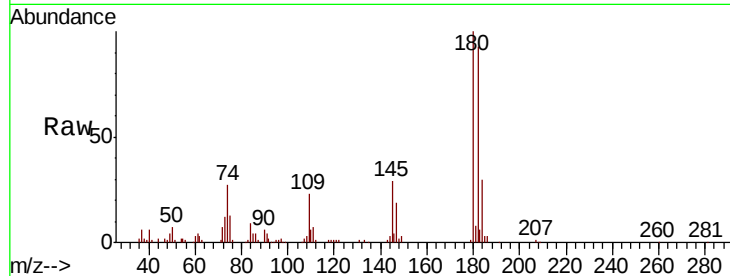




#93
 1,2,4-Trichlorobenzene
 Concen: 20.210 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

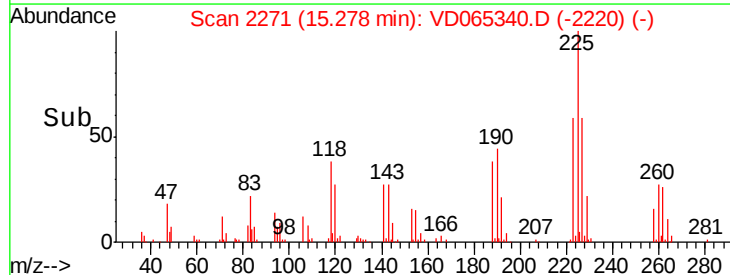
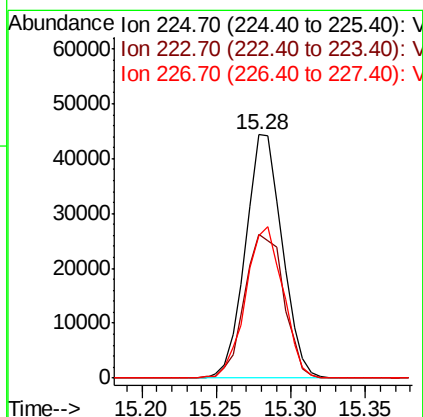
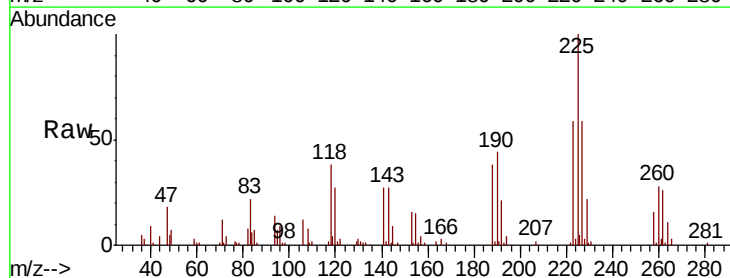
Instrument :
 MSVOA_D
 ClientSampleId :

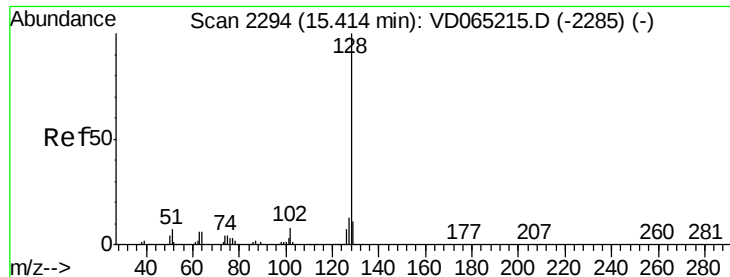
Tot Ion:180 Resp: 115841
 Ion Ratio Lower Upper
 180 100
 182 98.7 46.9 140.6
 145 30.2 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.595 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion:225 Resp: 75723
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.2
 227 63.1 31.7 95.1

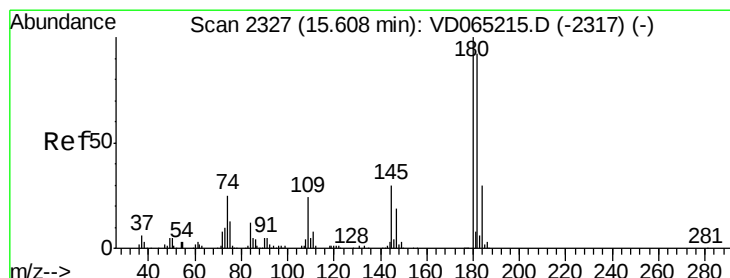
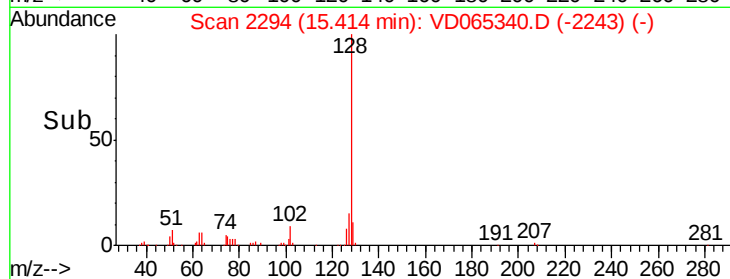
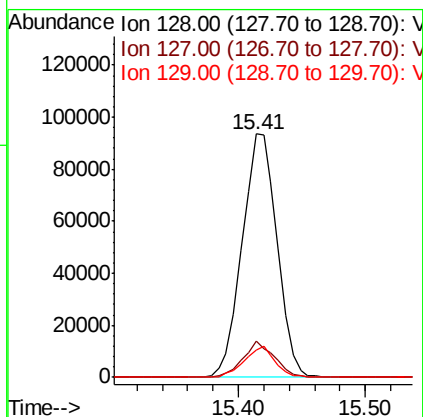
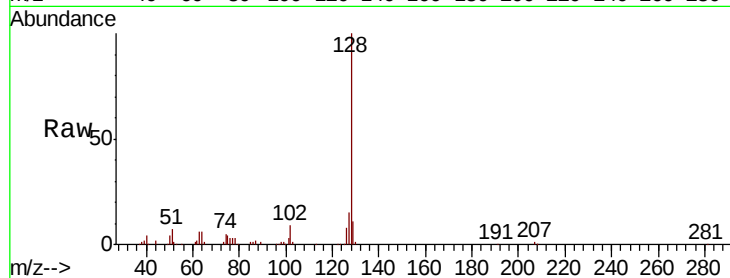




#95
Naphthalene
Concen: 19.181 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 178733
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.723 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion:180 Resp: 103739
Ion Ratio Lower Upper
180 100
182 92.9 46.9 140.6
145 30.9 15.4 46.1

