

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065689.D
 Acq On : 01 May 2020 18:46
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 02:57:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	562990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	813711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	780715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	403675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	121281	25.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.16%	
35) Dibromofluoromethane	7.92	113	112038	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	
50) Toluene-d8	10.34	98	405551	27.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.76%	
62) 4-Bromofluorobenzene	12.64	95	128708	22.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	84436	18.305	ug/l	96
3) Chloromethane	2.21	50	133129	29.721	ug/l	95
4) Vinyl Chloride	2.34	62	151811	35.033	ug/l	97
5) Bromomethane	2.75	94	94737	59.745	ug/l	97
6) Chloroethane	2.91	64	96533	51.466	ug/l	98
7) Trichlorofluoromethane	3.27	101	183175	28.969	ug/l	99
8) Diethyl Ether	3.71	74	48071	28.369	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	110048	20.467	ug/l	96
10) Methyl Iodide	4.29	142	88616	14.162	ug/l	96
11) Tert butyl alcohol	5.20	59	27295	103.372	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	94683	20.553	ug/l	94
13) Acrolein	3.93	56	47216	154.650	ug/l	98
14) Allyl chloride	4.71	41	155688	23.566	ug/l	95
15) Acrylonitrile	5.43	53	115735	138.567	ug/l	97
16) Acetone	4.16	43	100471	96.485	ug/l	99
17) Carbon Disulfide	4.40	76	317161	23.357	ug/l	99
18) Methyl Acetate	4.71	43	63567	27.509	ug/l #	85
19) Methyl tert-butyl Ether	5.48	73	209611	22.204	ug/l	93
20) Methylene Chloride	4.96	84	141225	23.614	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	116901	21.977	ug/l	93
22) Diisopropyl ether	6.37	45	343963	22.812	ug/l	98
23) Vinyl Acetate	6.31	43	929467	116.650	ug/l	99
24) 1,1-Dichloroethane	6.27	63	210463	23.082	ug/l	99
25) 2-Butanone	7.21	43	146215	111.163	ug/l	99
26) 2,2-Dichloropropane	7.21	77	180558	22.812	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	120105	19.877	ug/l	96
28) Bromochloromethane	7.54	49	90338	25.638	ug/l	97
29) Tetrahydrofuran	7.57	42	95663	140.862	ug/l	96
30) Chloroform	7.71	83	221937	22.063	ug/l	95
31) Cyclohexane	7.99	56	177755	25.933	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	197151	22.541	ug/l	100
36) 1,1-Dichloropropene	8.11	75	161320	24.420	ug/l	95
37) Ethyl Acetate	7.30	43	68479	23.822	ug/l #	95
38) Carbon Tetrachloride	8.10	117	186201	23.105	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166503	24.806	ug/l	97
40) Benzene	8.36	78	461269	27.391	ug/l	98
41) Methacrylonitrile	7.56	41	97813	33.025	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	150429	26.531	ug/l	99
43) Isopropyl Acetate	9.53	43	90142	22.025	ug/l #	96
44) Trichloroethene	9.11	130	124364	20.468	ug/l	91
45) 1,2-Dichloropropane	9.39	63	122121	28.512	ug/l	97
46) Dibromomethane	9.48	93	66861	23.053	ug/l	99
47) Bromodichloromethane	9.67	83	174909	24.827	ug/l	98
48) Methyl methacrylate	9.46	41	59010	23.857	ug/l	97
49) 1,4-Dioxane	9.47	88	13962	535.842	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	338936	130.241	ug/l	99
52) Toluene	10.41	92	293908	27.012	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	149179	25.095	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	176801	24.438	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	85637	24.415	ug/l	97
56) Ethyl methacrylate	10.67	69	87157	22.149	ug/l	96
57) 1,3-Dichloropropane	10.95	76	149566	26.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	223577	123.719	ug/l	98
59) 2-Hexanone	10.99	43	223217	116.905	ug/l	96
60) Dibromochloromethane	11.14	129	117998	21.144	ug/l	92
61) 1,2-Dibromoethane	11.25	107	81367	20.074	ug/l	97
64) Tetrachloroethene	10.88	164	114148	20.427	ug/l	96
65) Chlorobenzene	11.67	112	318448	21.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	125388	20.062	ug/l	94
67) Ethyl Benzene	11.75	91	531623	21.291	ug/l	96
68) m/p-Xylenes	11.86	106	416098	45.309	ug/l	96
69) o-Xylene	12.19	106	180790	21.781	ug/l	91
70) Styrene	12.20	104	329956	22.828	ug/l	97
71) Bromoform	12.37	173	71372	20.003	ug/l	97
73) Isopropylbenzene	12.48	105	493883	18.365	ug/l	99
74) N-amyl acetate	12.30	43	111369	16.401	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	95427	18.521	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	123643	25.938	ug/l #	34
77) Bromobenzene	12.77	156	132639	17.510	ug/l	100
78) n-propylbenzene	12.83	91	610926	19.573	ug/l	98
79) 2-Chlorotoluene	12.91	91	348442	18.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	425351	19.598	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.54	75	29996	19.423	ug/l	95
82) 4-Chlorotoluene	13.01	91	378780	18.626	ug/l	99
83) tert-Butylbenzene	13.23	119	345468	14.552	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	437194	21.302	ug/l	100
85) sec-Butylbenzene	13.41	105	503485	18.830	ug/l	99
86) p-Isopropyltoluene	13.53	119	466831	19.518	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	256272	19.100	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	261275	20.803	ug/l	98
89) n-Butylbenzene	13.86	91	415581	19.116	ug/l	99
90) Hexachloroethane	14.12	117	105197	16.974	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	225068	20.142	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	15615	21.899	ug/l	98

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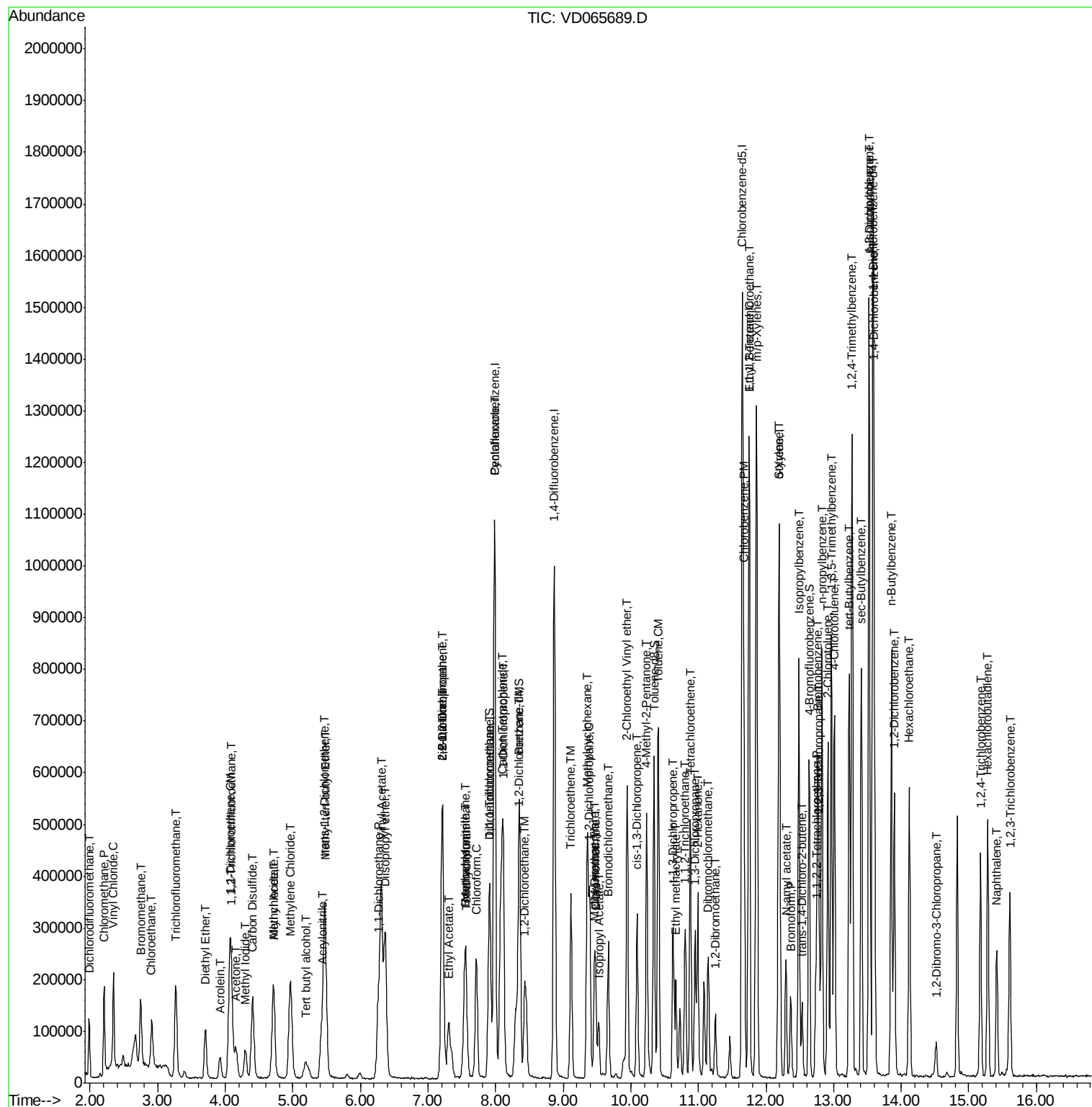
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	144809	23.494	ug/l	95
94) Hexachlorobutadiene	15.28	225	98953	22.093	ug/l	90
95) Naphthalene	15.41	128	206800	20.711	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	124261	32.146	ug/l	94

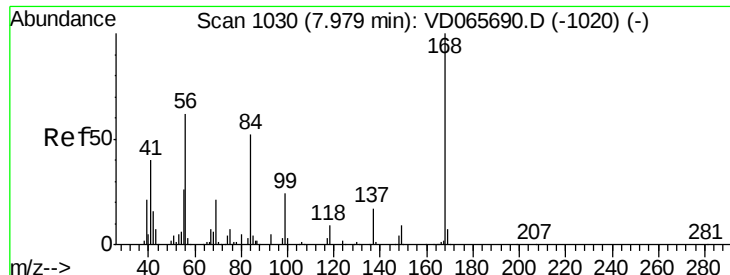
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

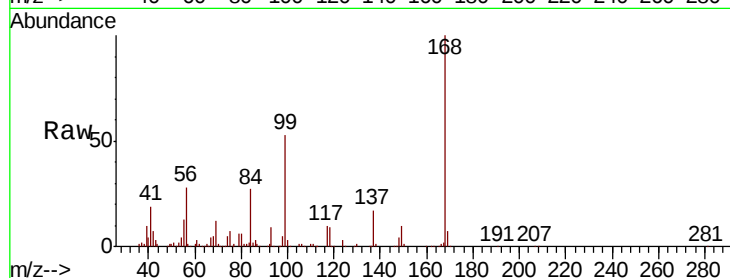
ClientSampleId :

Tot Ion:168 Resp: 562990

Ion Ratio Lower Upper

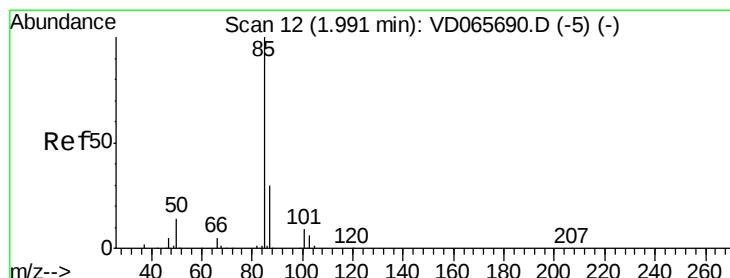
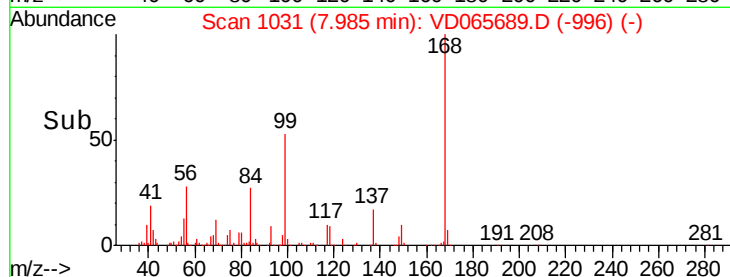
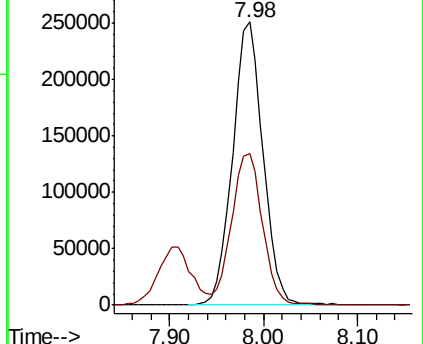
168 100

99 53.4 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.305 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065689.D

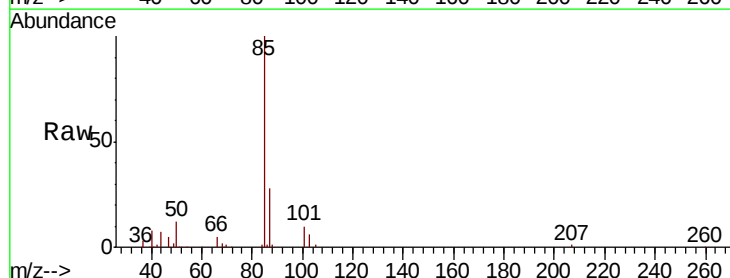
Acq: 01 May 2020 18:46

Tgt Ion: 85 Resp: 84436

Ion Ratio Lower Upper

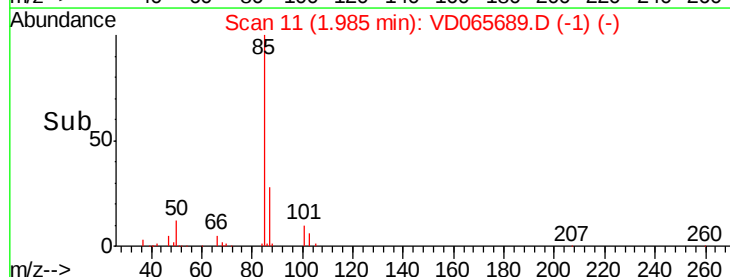
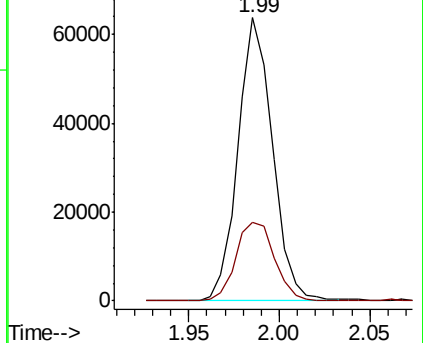
85 100

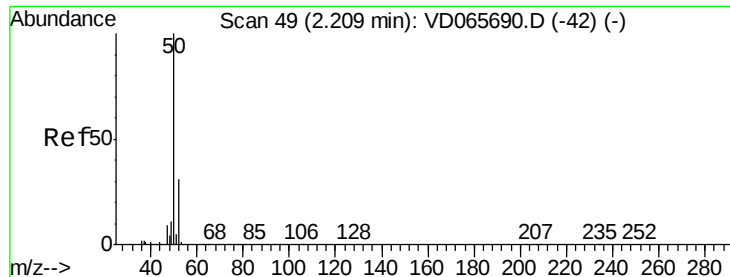
87 27.6 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

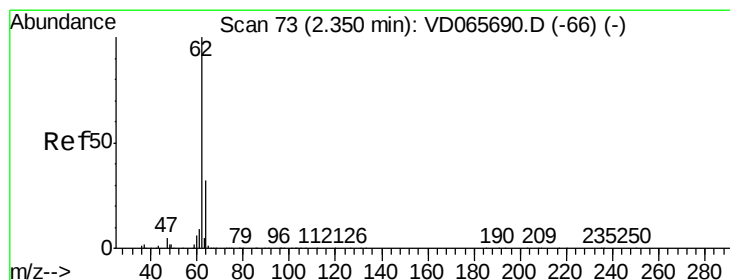
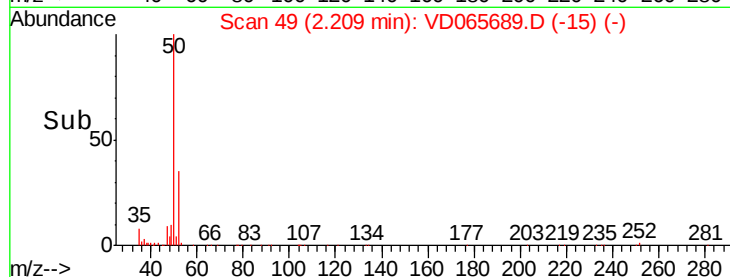
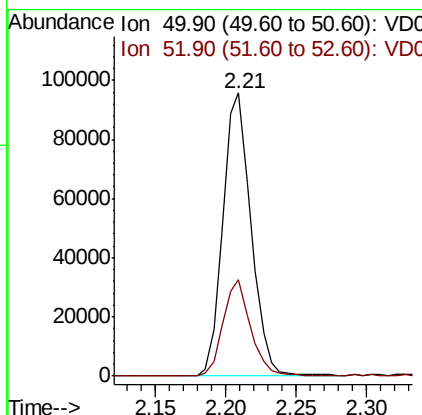
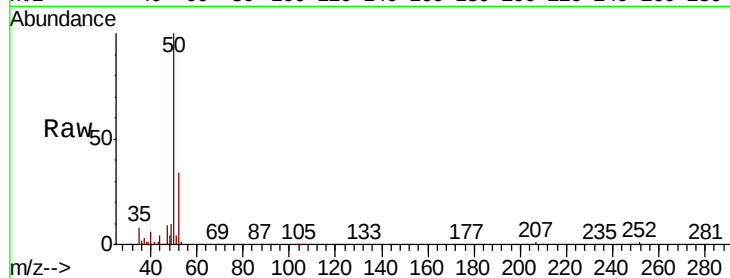




#3
Chloromethane
Concen: 29.721 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

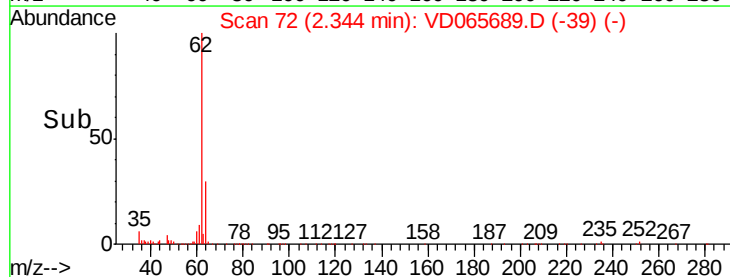
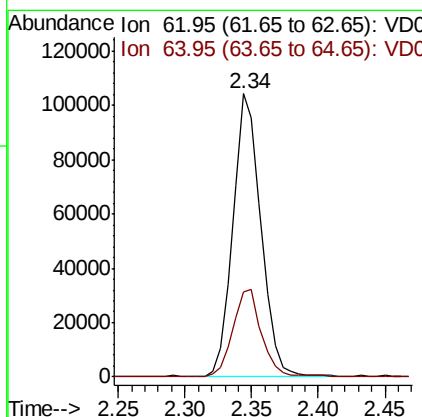
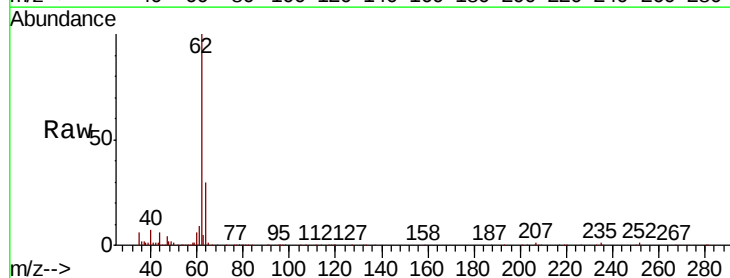
Instrument :
MSVOA_D
ClientSampleId :

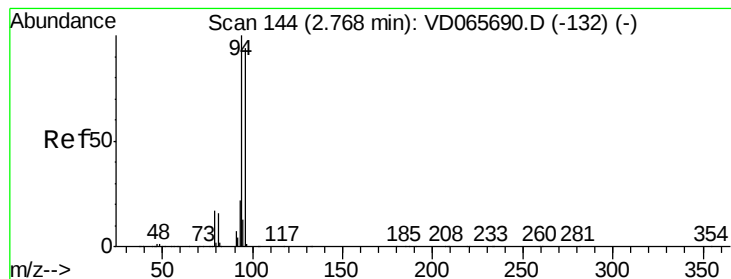
Tot Ion: 50 Resp: 133129
Ion Ratio Lower Upper
50 100
52 34.2 25.2 37.8



#4
Vinyl Chloride
Concen: 35.033 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 62 Resp: 151811
Ion Ratio Lower Upper
62 100
64 30.1 25.4 38.0





#5

Bromomethane

Concen: 59.745 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

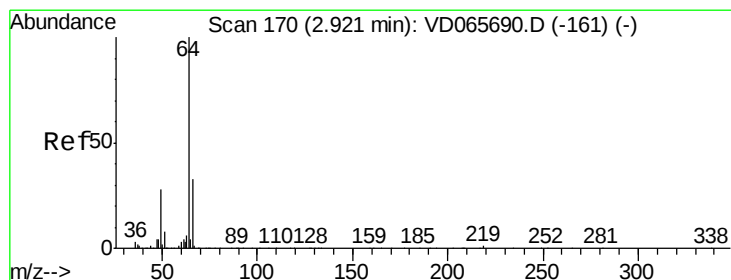
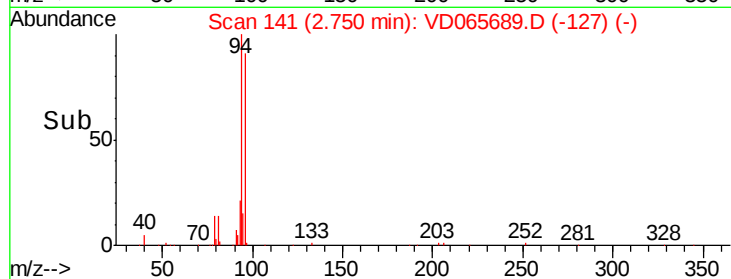
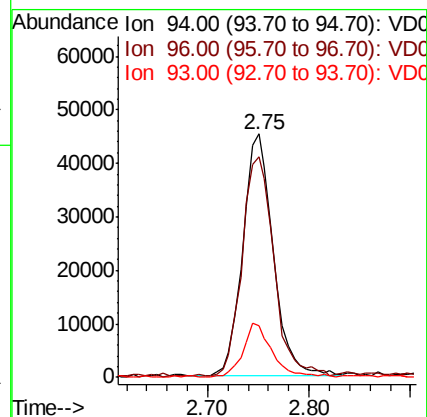
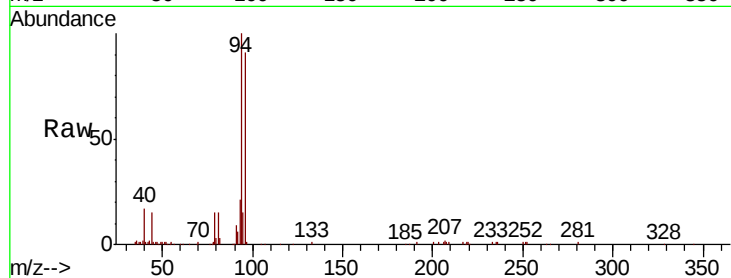
Tot Ion: 94 Resp: 94737

Ion Ratio Lower Upper

94 100

96 90.6 75.1 112.7

93 21.1 17.8 26.6



#6

Chloroethane

Concen: 51.466 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065689.D

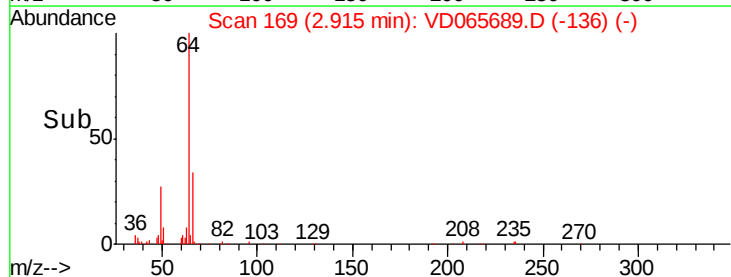
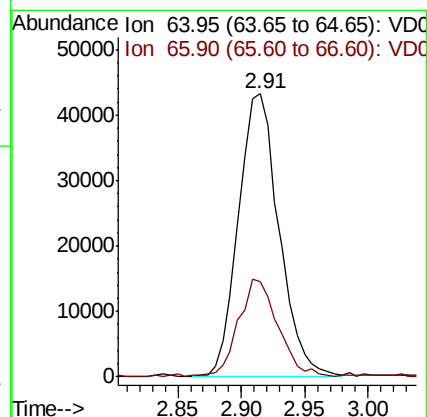
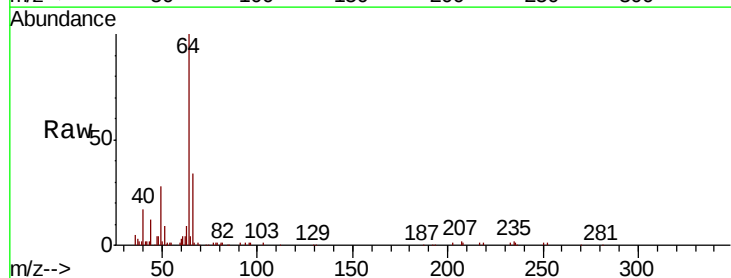
Acq: 01 May 2020 18:46

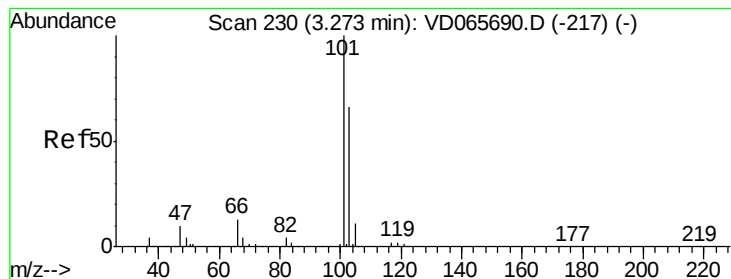
Tgt Ion: 64 Resp: 96533

Ion Ratio Lower Upper

64 100

66 33.7 26.2 39.2



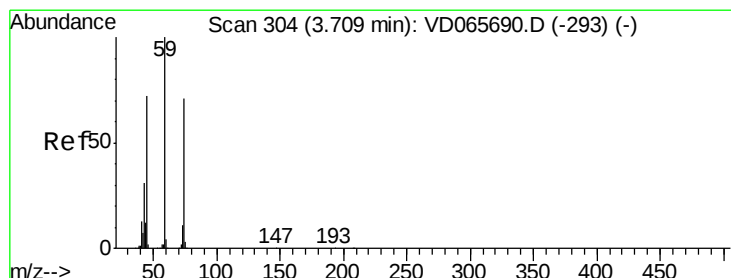
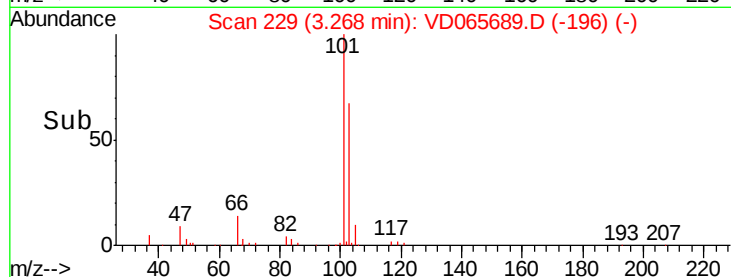
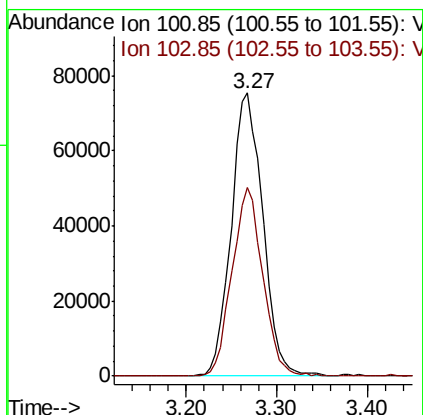
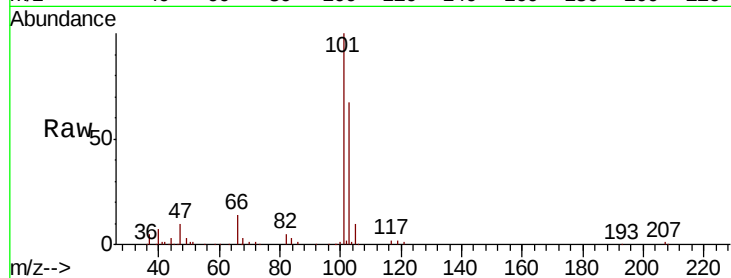


#7

Trichlorofluoromethane
 Concen: 28.969 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Instrument :
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 ClientSampleId :

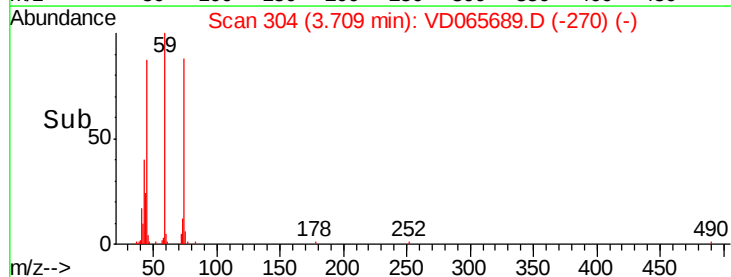
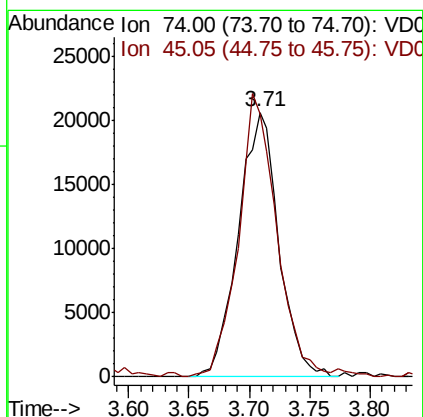
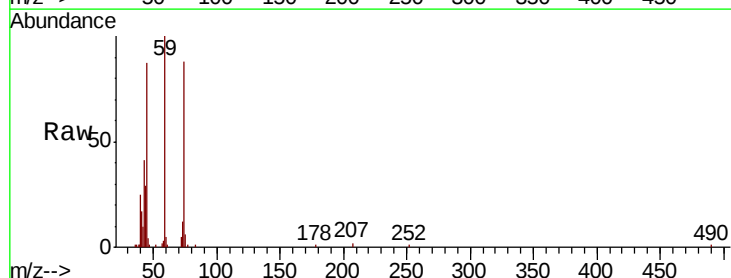
Tot Ion:101 Resp: 183175
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.6 79.0

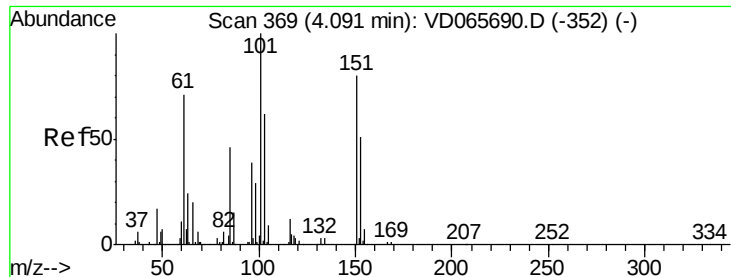


#8

Diethyl Ether
 Concen: 28.369 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 74 Resp: 48071
 Ion Ratio Lower Upper
 74 100
 45 99.3 50.8 152.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.467 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

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ClientSampleId :

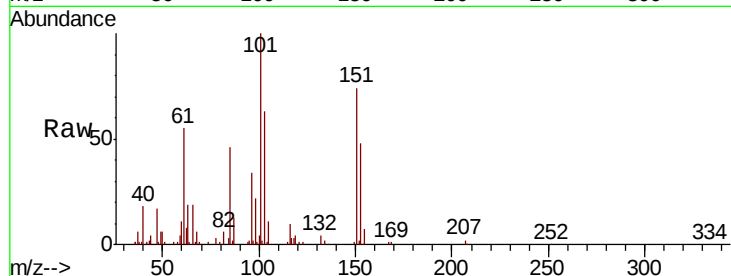
Tot Ion:101 Resp: 110048

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

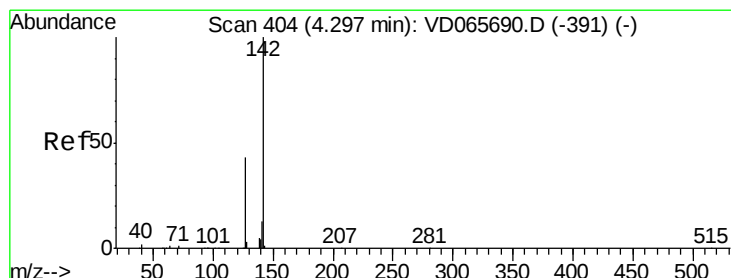
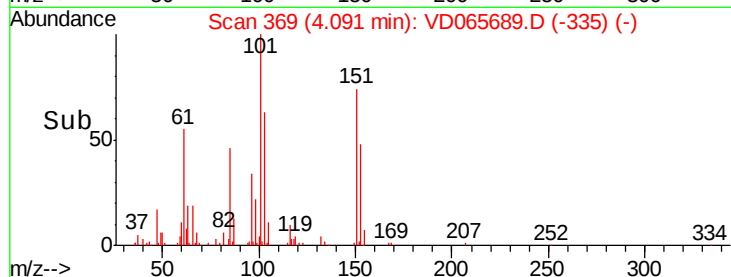
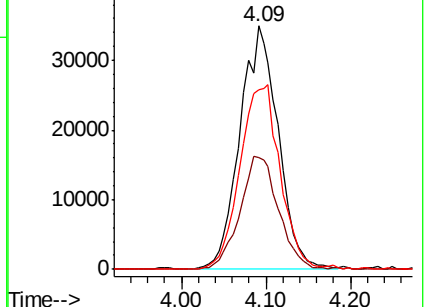
151 73.8 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.162 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

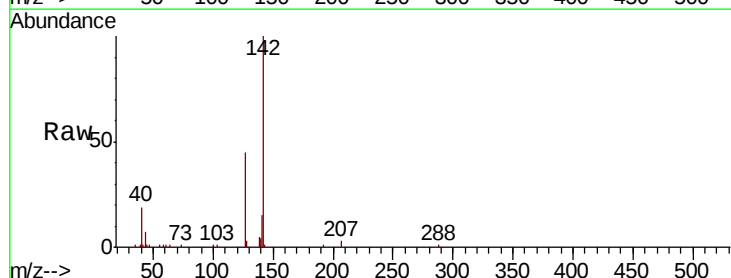
Tgt Ion:142 Resp: 88616

Ion Ratio Lower Upper

142 100

127 45.2 34.3 51.5

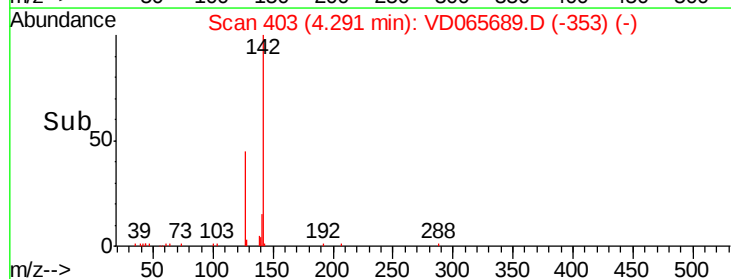
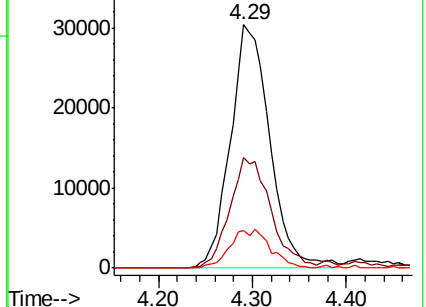
141 15.5 10.3 15.5

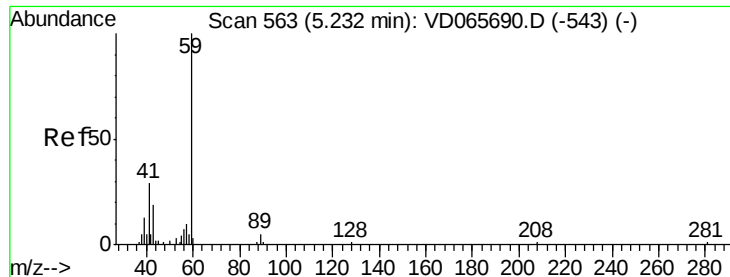


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



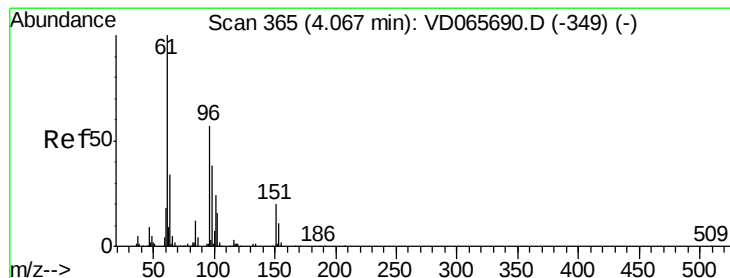
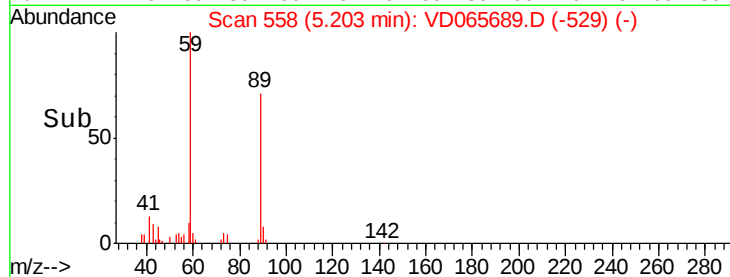
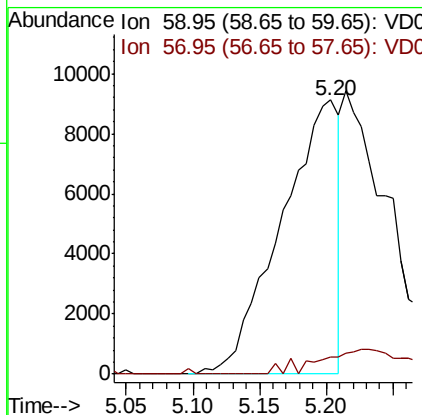
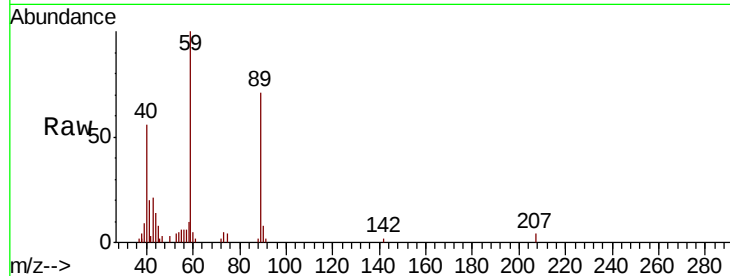


#11

Tert butyl alcohol
 Concen: 103.372 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Instrument :
 MSVOA_D
 ClientSampled :

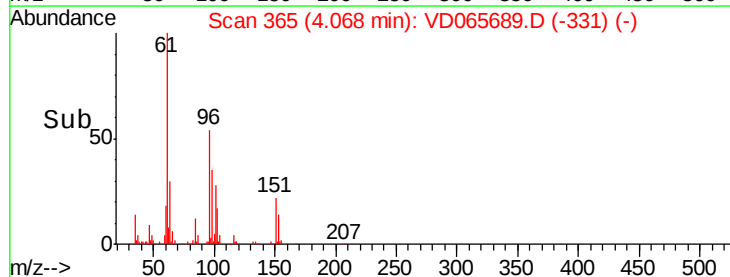
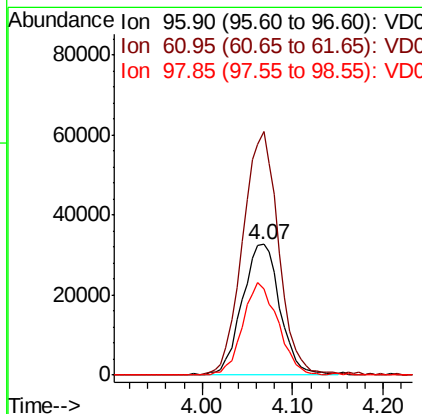
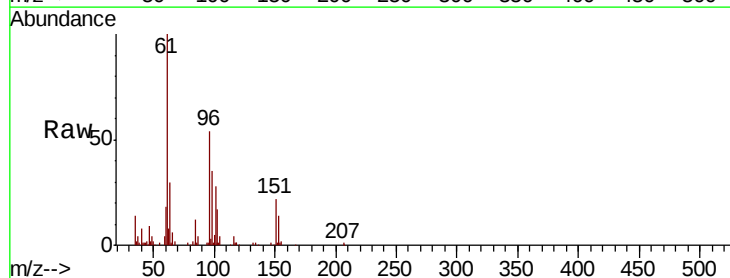
Tot Ion: 59 Resp: 27295
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.2 12.4#

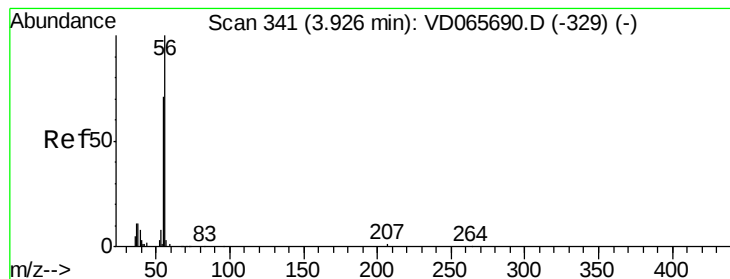


#12

1,1-Dichloroethene
 Concen: 20.553 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 96 Resp: 94683
 Ion Ratio Lower Upper
 96 100
 61 186.5 140.4 210.6
 98 65.8 53.4 80.2





#13

Acrolein

Concen: 154.650 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

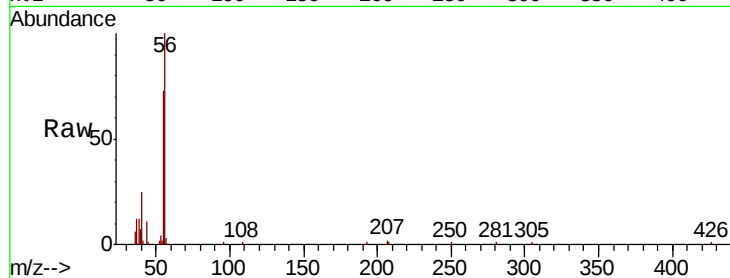
ClientSampleId :

Tot Ion: 56 Resp: 47216

Ion Ratio Lower Upper

56 100

55 72.9 56.8 85.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

5000

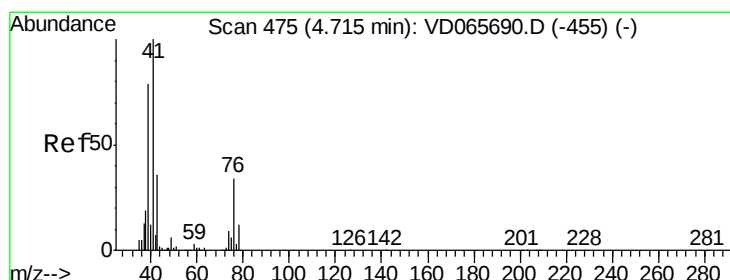
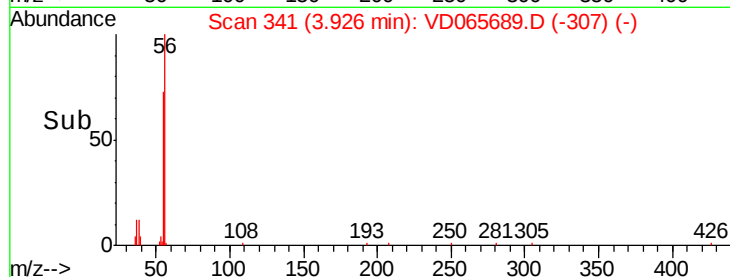
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 23.566 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

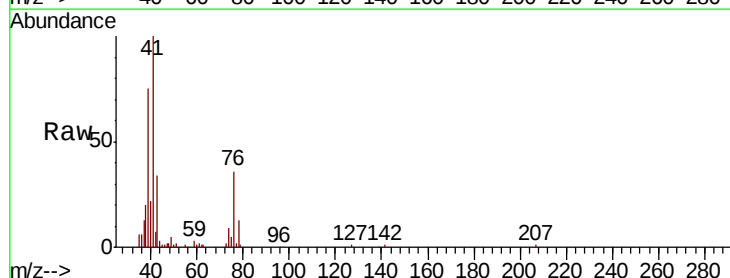
Tgt Ion: 41 Resp: 155688

Ion Ratio Lower Upper

41 100

39 74.7 63.6 95.4

76 36.0 27.4 41.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

60000

40000

20000

0

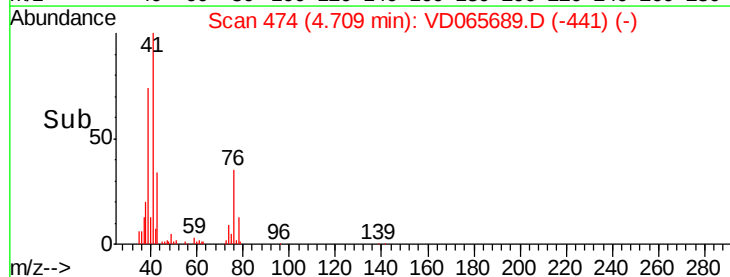
4.50

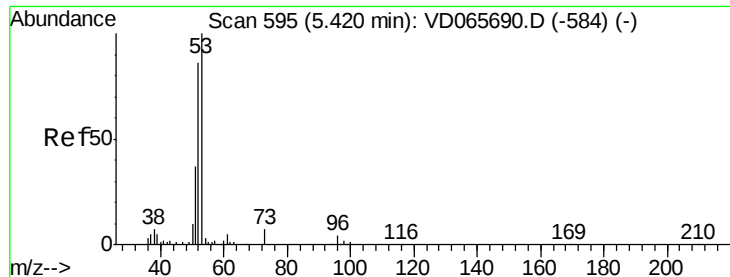
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 138.567 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

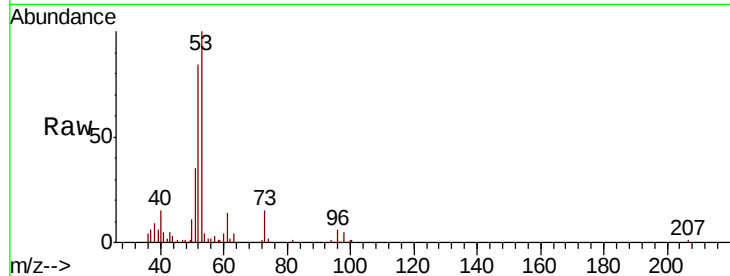
Tot Ion: 53 Resp: 115735

Ion Ratio Lower Upper

53 100

52 84.3 69.3 103.9

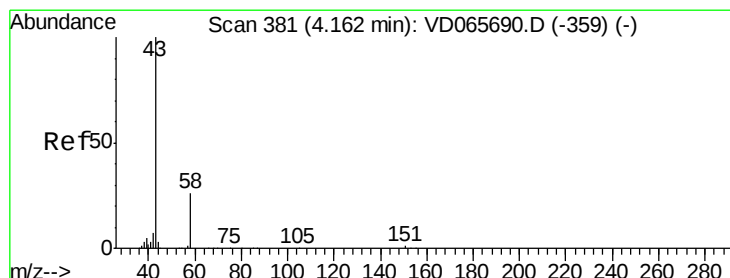
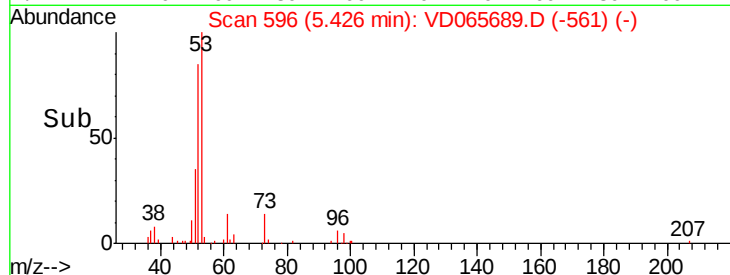
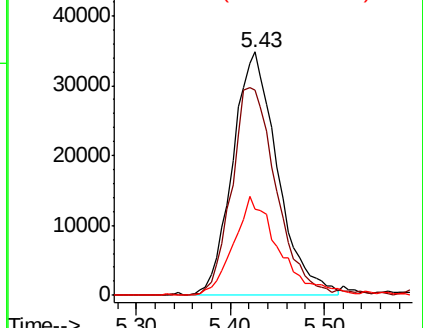
51 35.5 29.8 44.6



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: 96.485 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065689.D

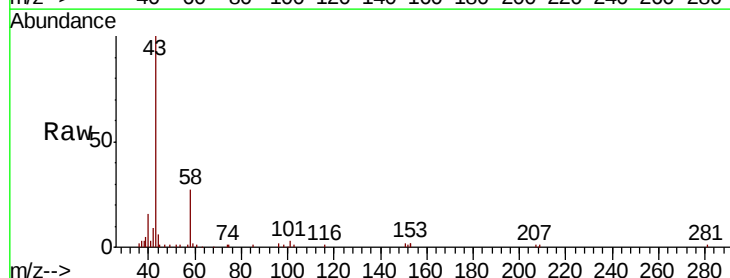
Acq: 01 May 2020 18:46

Tgt Ion: 43 Resp: 100471

Ion Ratio Lower Upper

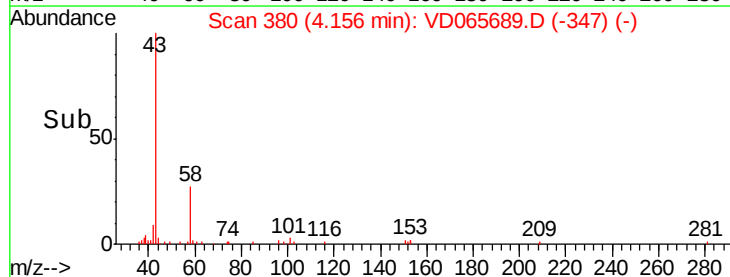
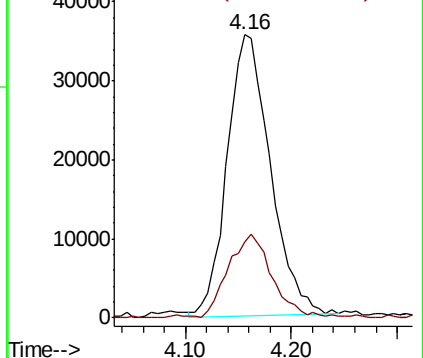
43 100

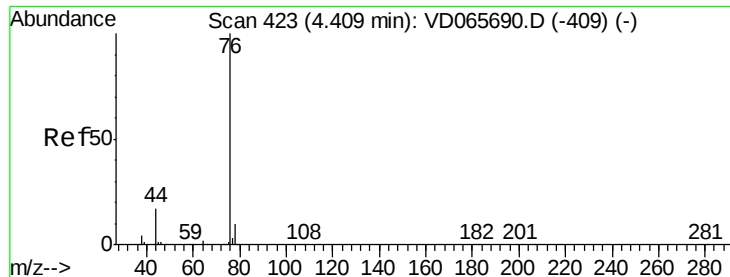
58 27.0 21.0 31.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

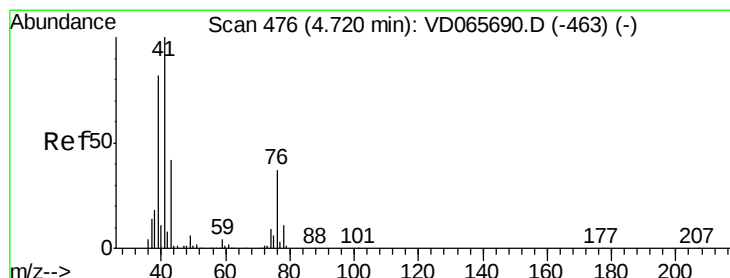
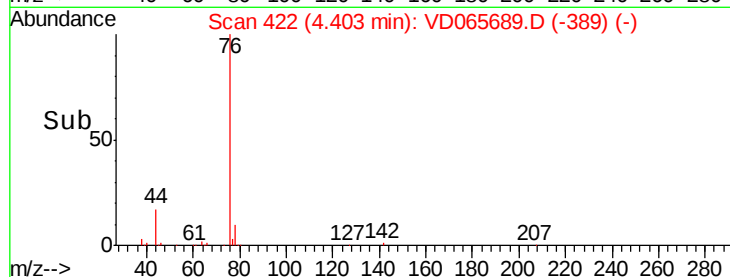
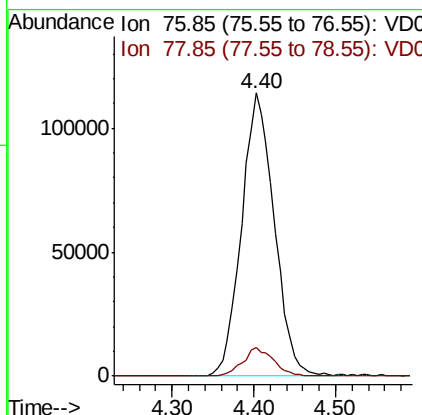
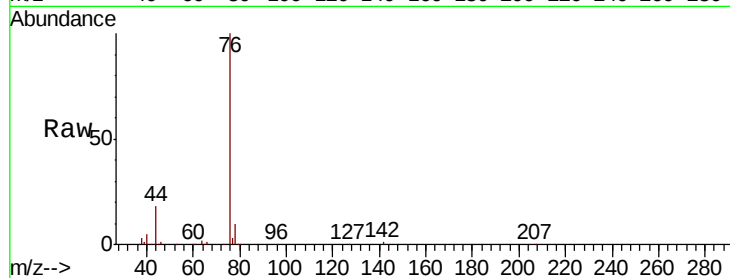




#17
Carbon Disulfide
Concen: 23.357 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

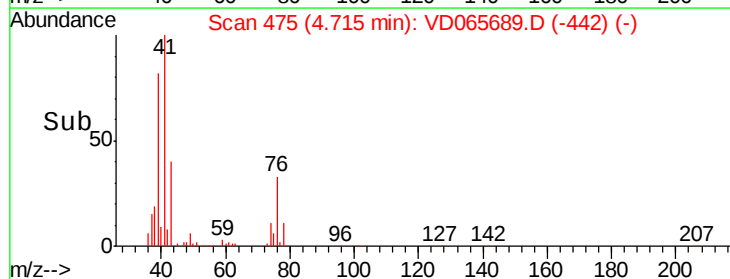
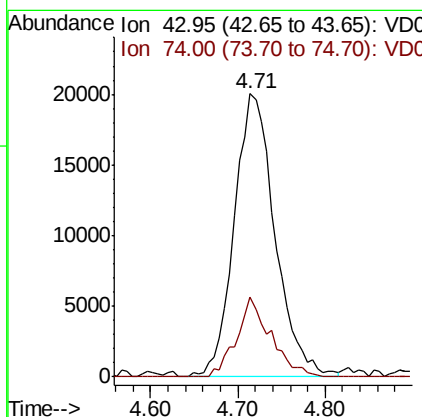
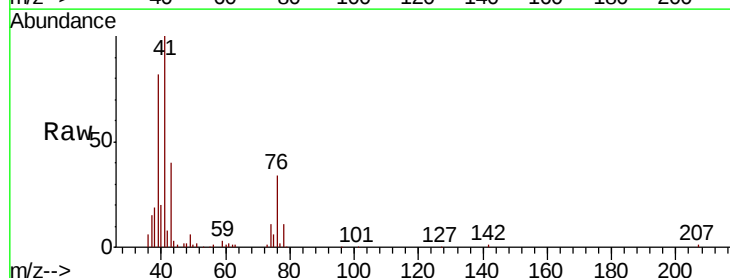
Instrument :
MSVOA_D
ClientSampleId :

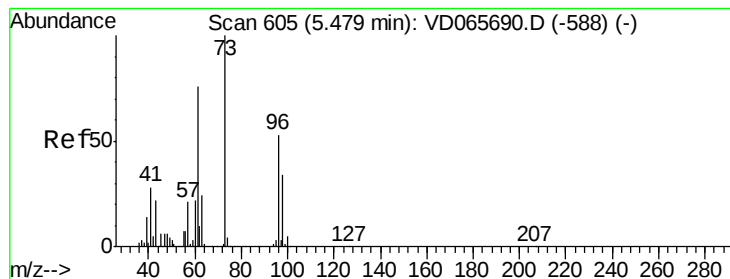
Tot Ion: 76 Resp: 317161
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.6



#18
Methyl Acetate
Concen: 27.509 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 43 Resp: 63567
Ion Ratio Lower Upper
43 100
74 28.3 16.9 25.3#



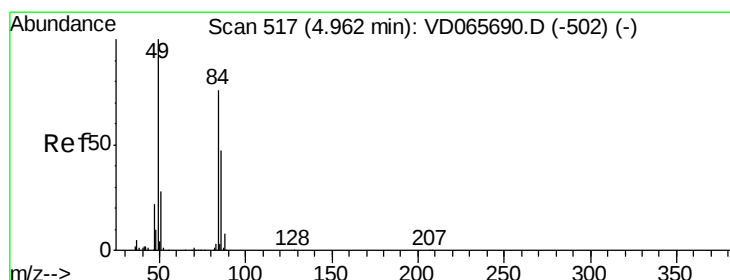
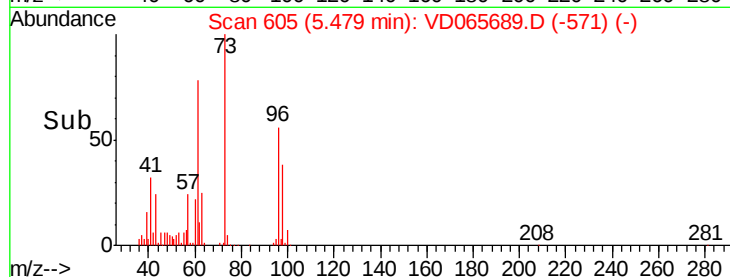
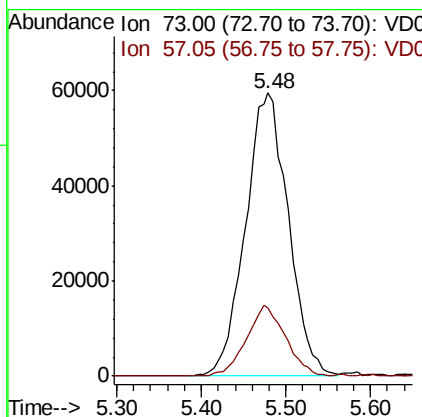
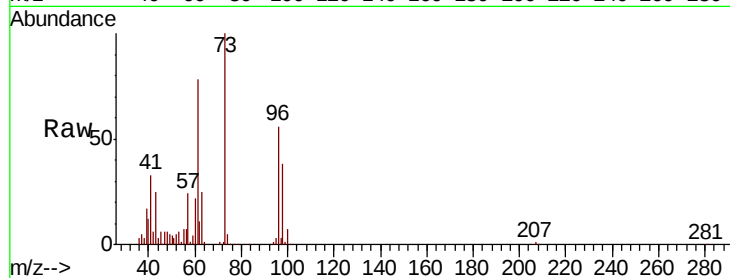


#19

Methyl tert-butyl Ether
 Concen: 22.204 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleID :

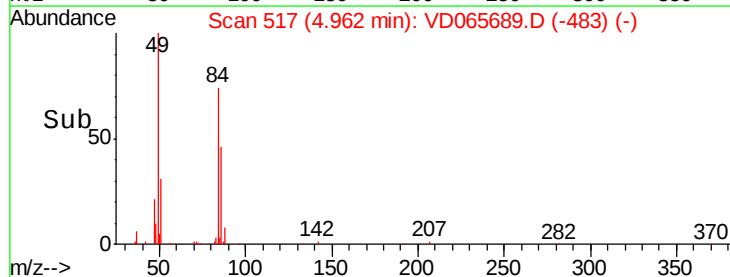
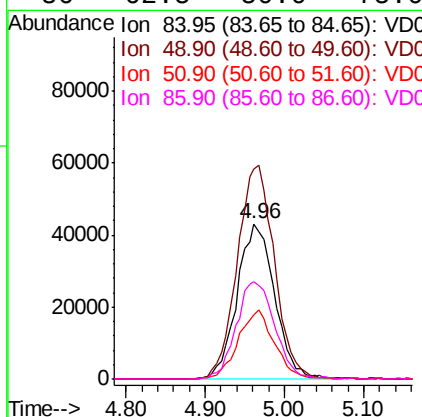
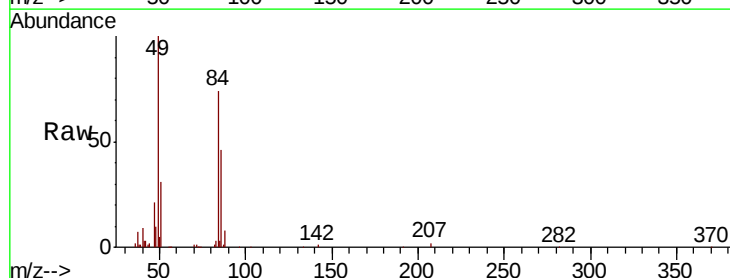
Tot Ion: 73 Resp: 209611
 Ion Ratio Lower Upper
 73 100
 57 24.2 16.8 25.2

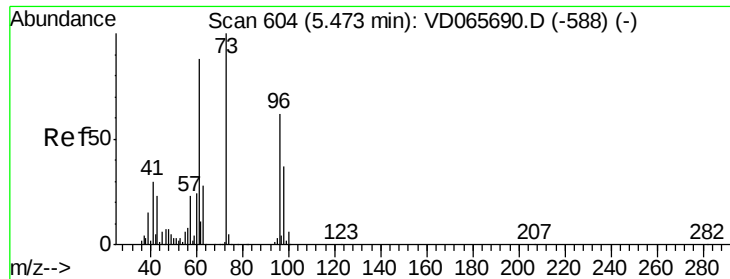


#20

Methylene Chloride
 Concen: 23.614 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 84 Resp: 141225
 Ion Ratio Lower Upper
 84 100
 49 135.4 105.8 158.6
 51 41.3 29.4 44.2
 86 62.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.977 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

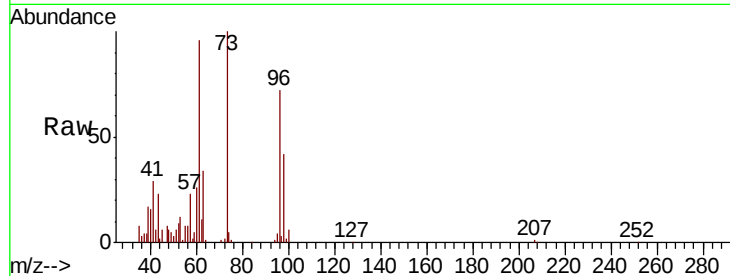
Tot Ion: 96 Resp: 116901

Ion Ratio Lower Upper

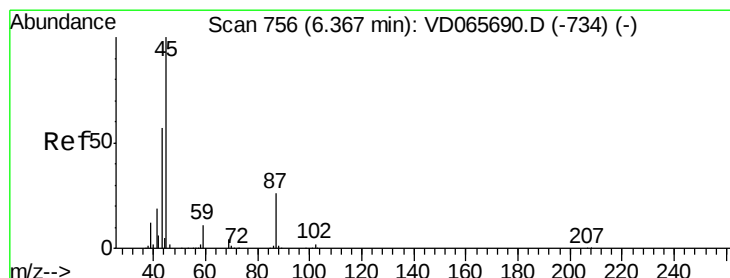
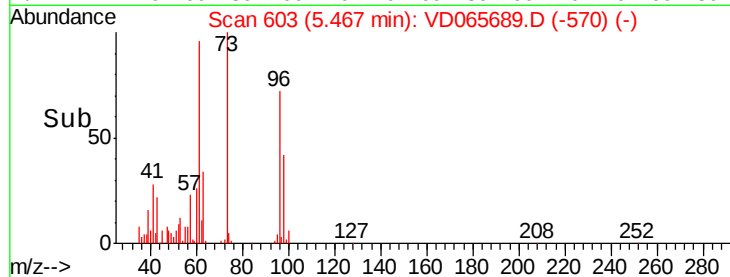
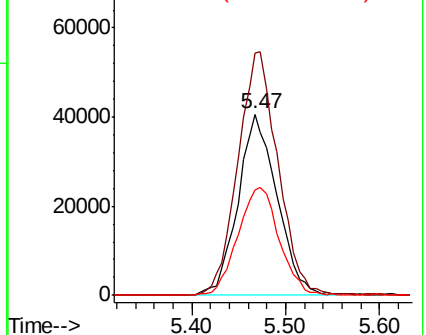
96 100

61 133.5 114.8 172.2

98 57.9 47.9 71.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.812 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Tgt Ion: 45 Resp: 343963

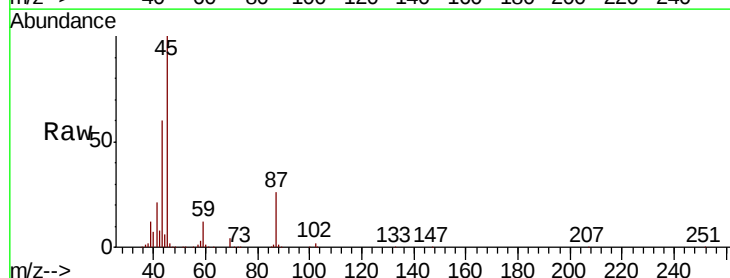
Ion Ratio Lower Upper

45 100

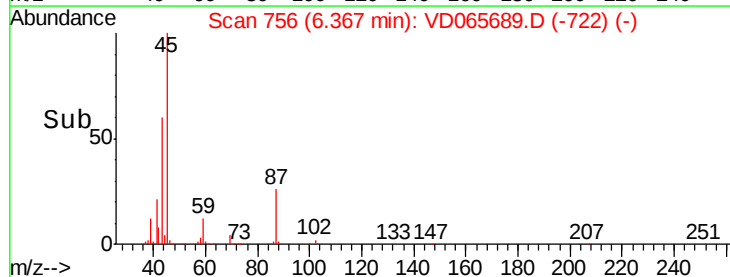
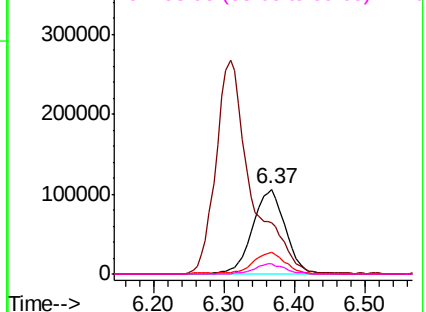
43 59.9 45.8 68.6

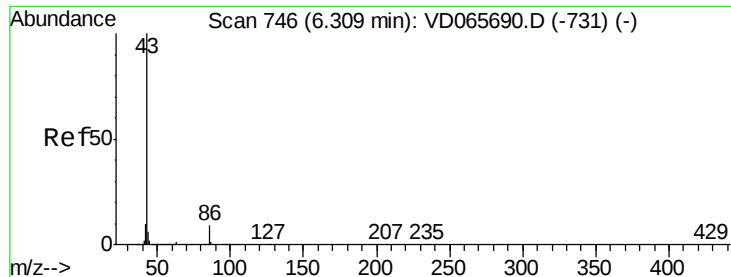
87 25.9 20.6 31.0

59 11.7 9.2 13.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 116.650 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

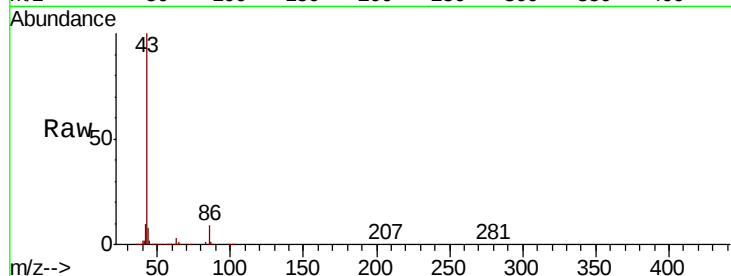
ClientSampleId :

Tot Ion: 43 Resp: 929467

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

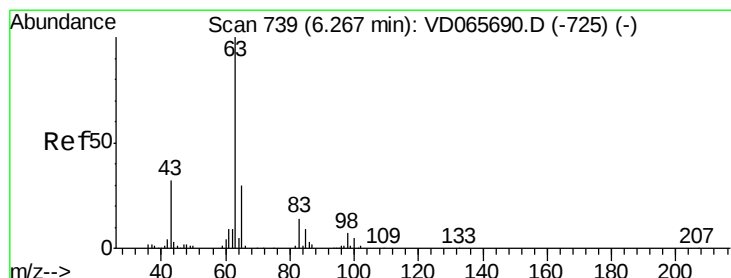
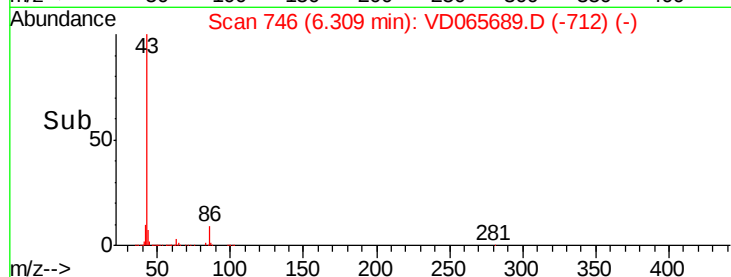
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 23.082 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

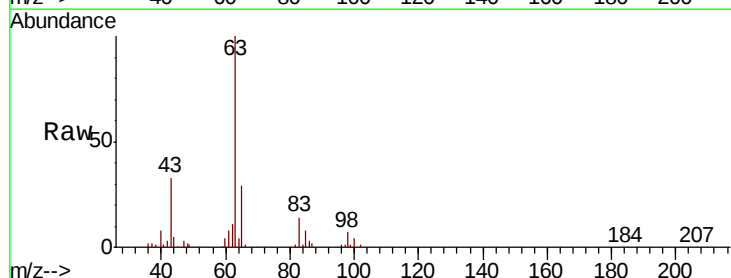
Tgt Ion: 63 Resp: 210463

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.1 2.3 6.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

6.27

100000

80000

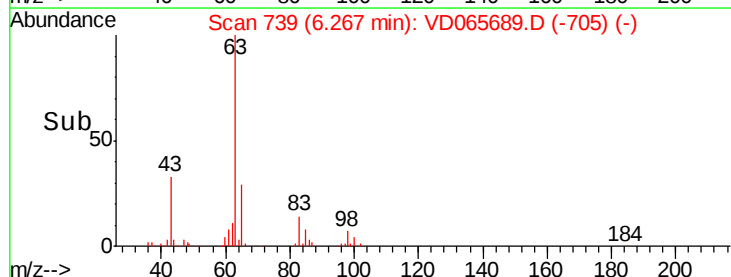
60000

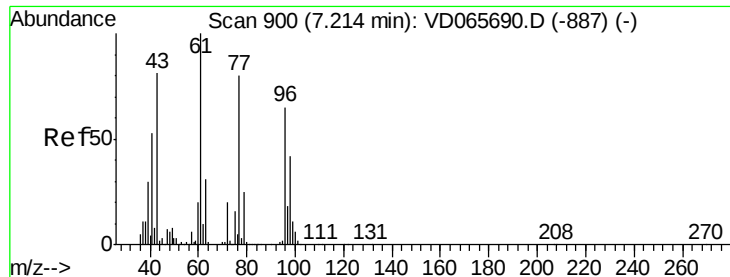
40000

20000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 111.163 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

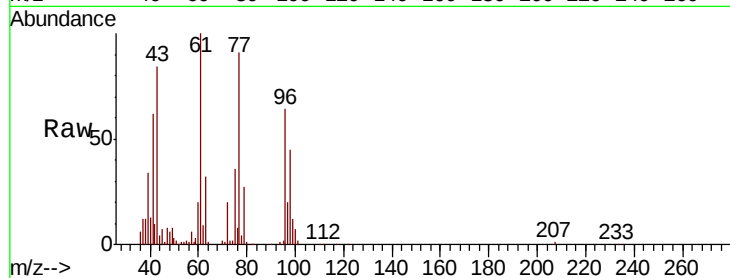
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 146215

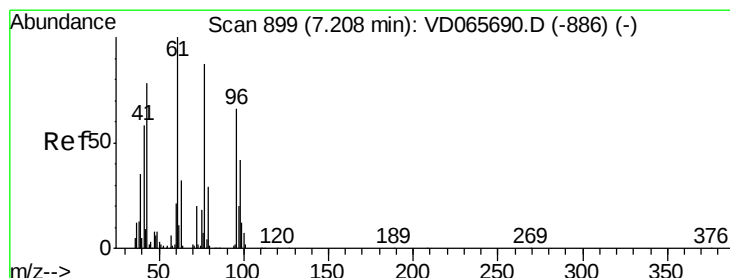
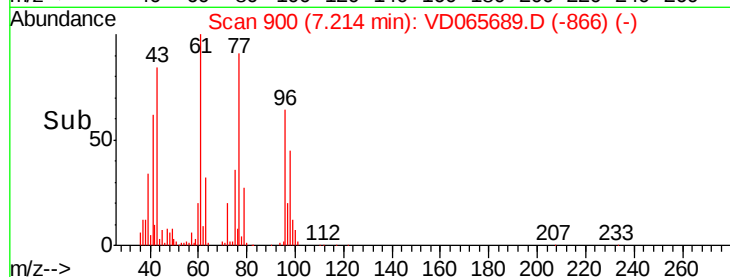
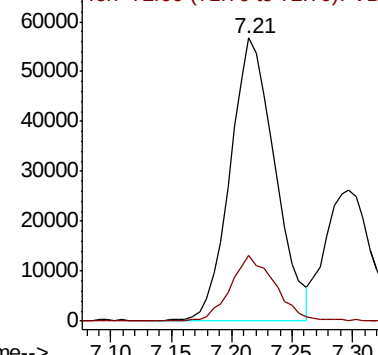
Ion Ratio Lower Upper

43 100

72 23.4 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.812 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065689.D

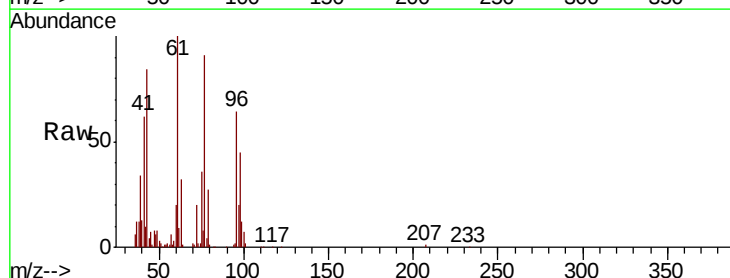
Acq: 01 May 2020 18:46

Tgt Ion: 77 Resp: 180558

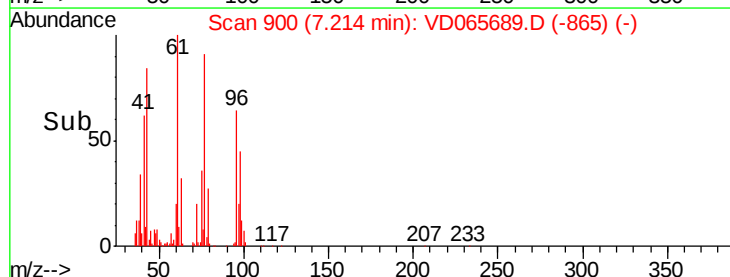
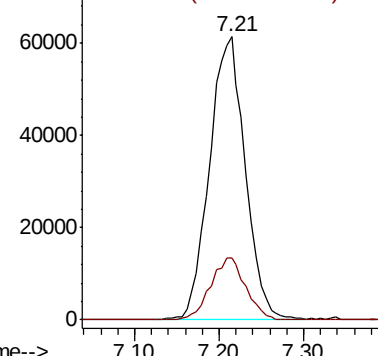
Ion Ratio Lower Upper

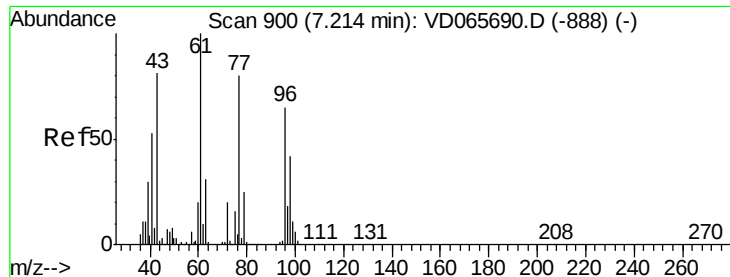
77 100

97 21.8 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



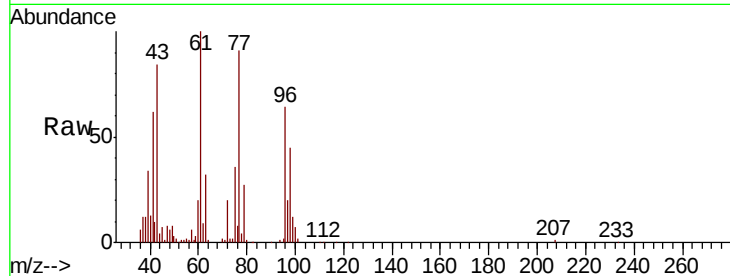


#27

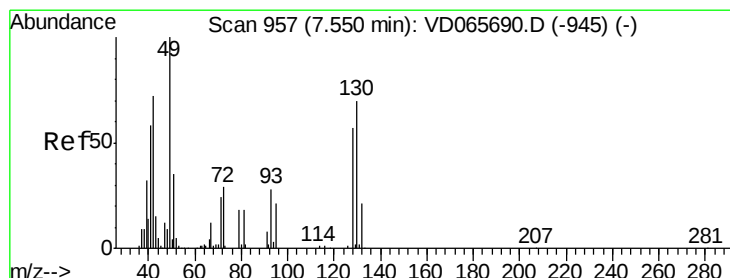
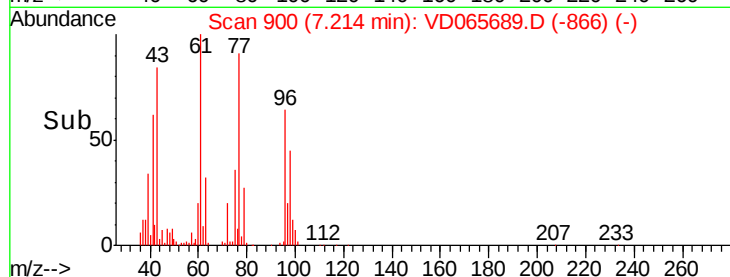
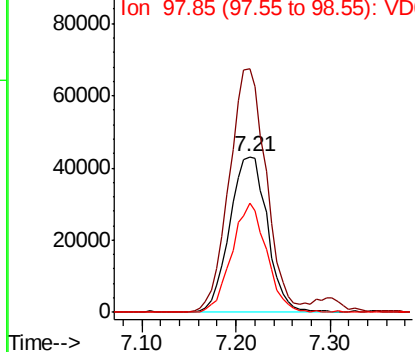
cis-1,2-Dichloroethene
 Concen: 19.877 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	307.2
98	70.5	0.0	128.8



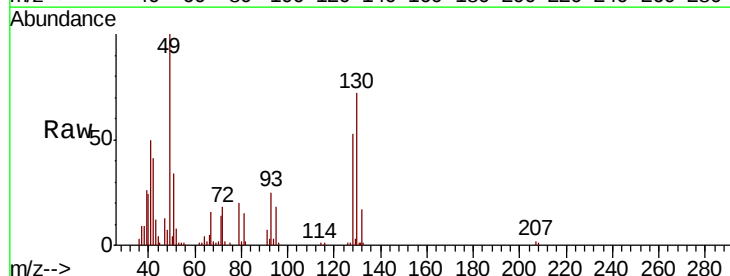
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



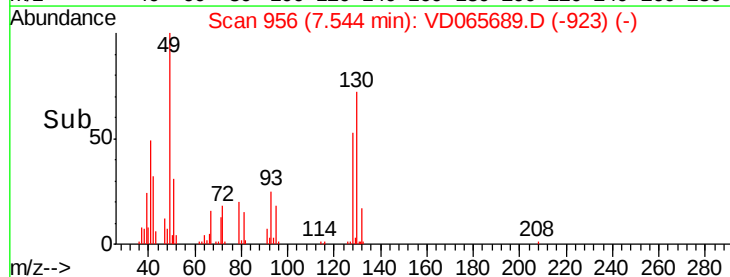
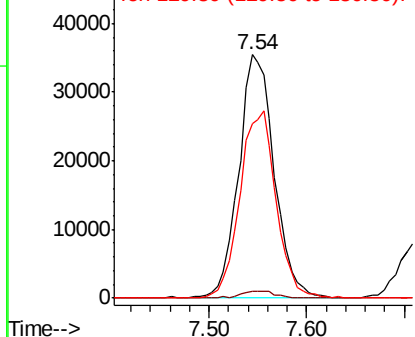
#28

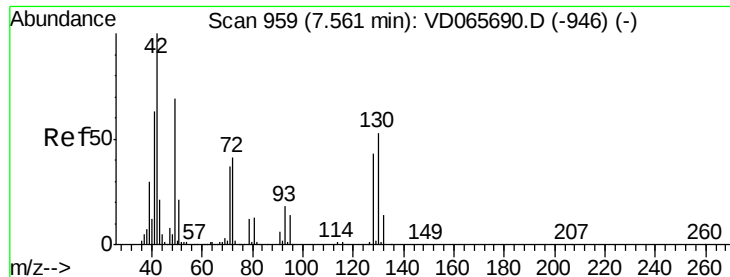
Bromochloromethane
 Concen: 25.638 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	71.8	55.8	83.6



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





#29

Tetrahydrofuran

Concen: 140.862 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

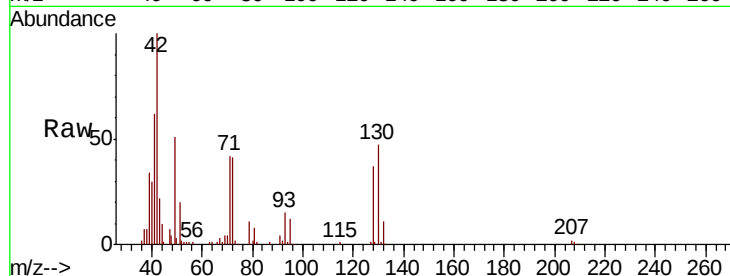
Tot Ion: 42 Resp: 95663

Ion Ratio Lower Upper

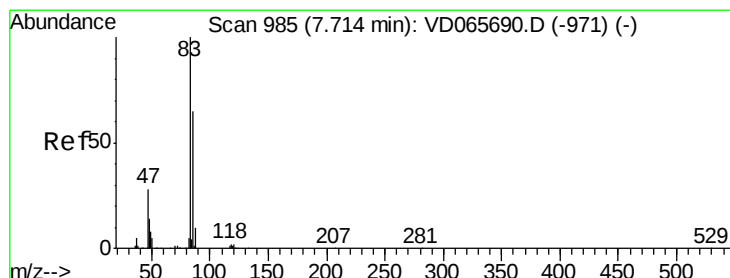
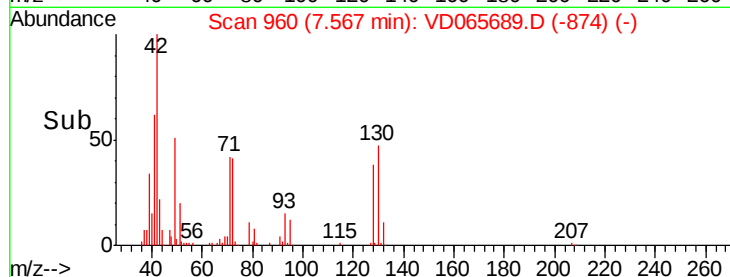
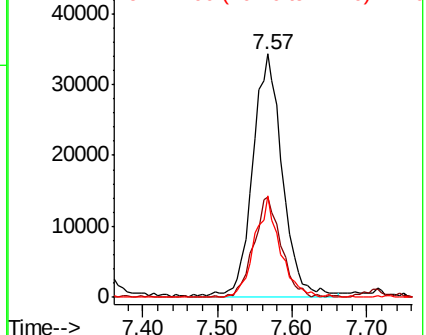
42 100

72 37.6 32.2 48.2

71 35.2 29.7 44.5



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: 22.063 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065689.D

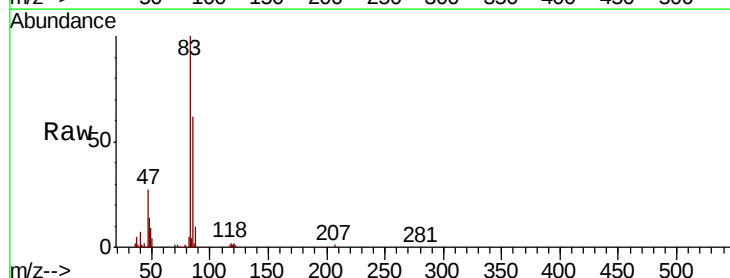
Acq: 01 May 2020 18:46

Tgt Ion: 83 Resp: 221937

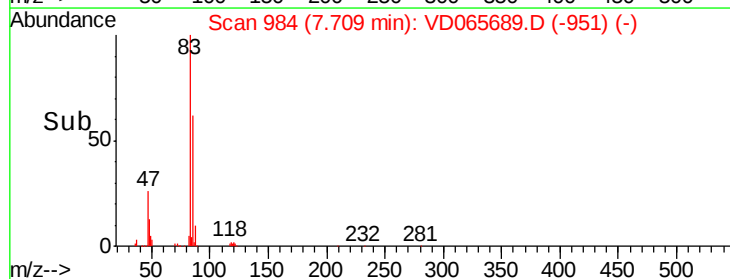
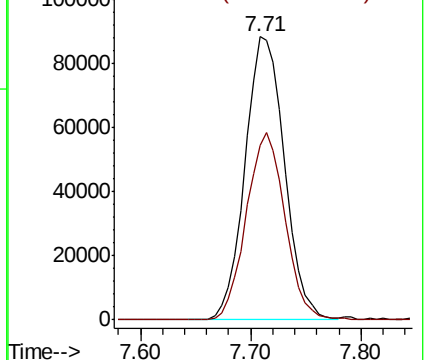
Ion Ratio Lower Upper

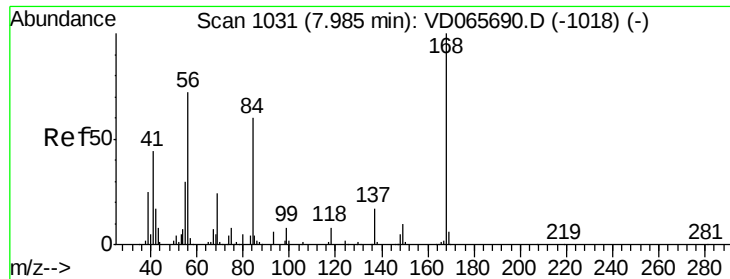
83 100

85 61.8 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

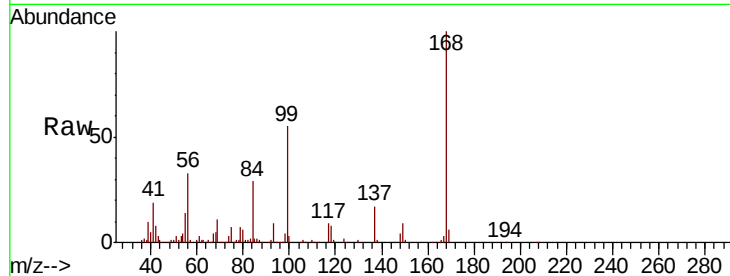




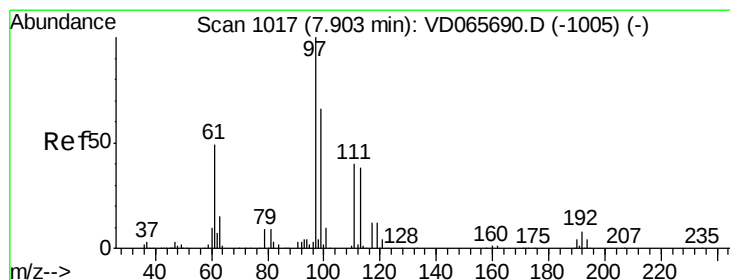
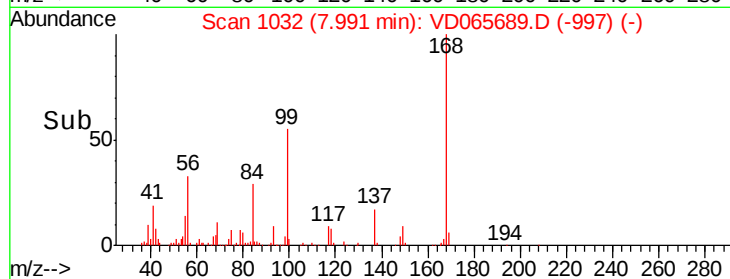
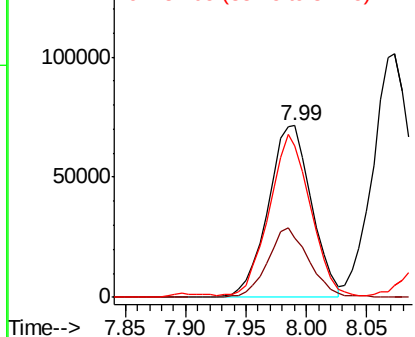
#31
Cyclohexane
Concen: 25.933 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 177755
Ion Ratio Lower Upper
56 100
69 34.2 26.2 39.4
84 88.2 67.8 101.8

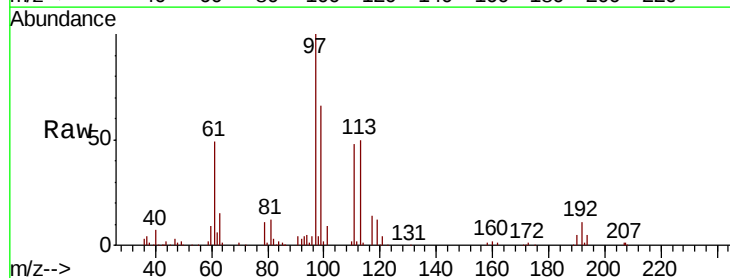


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

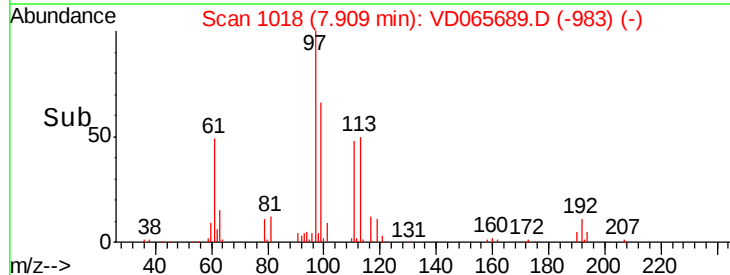
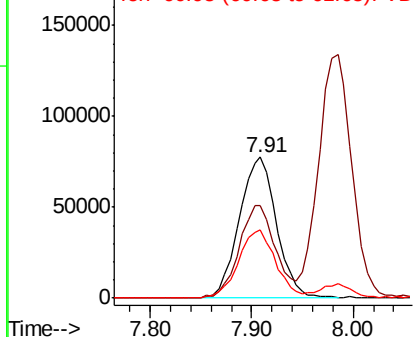


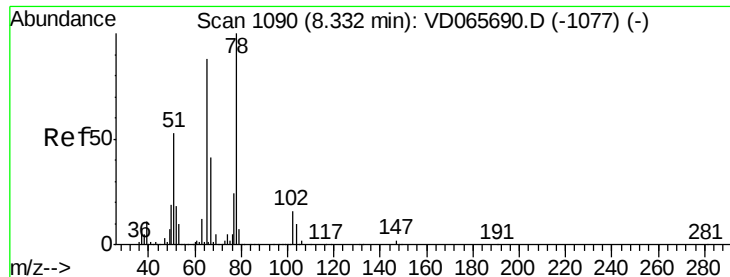
#32
1,1,1-Trichloroethane
Concen: 22.541 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 97 Resp: 197151
Ion Ratio Lower Upper
97 100
99 66.2 52.9 79.3
61 48.6 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

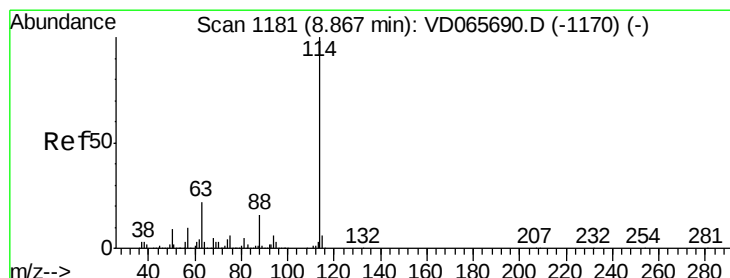
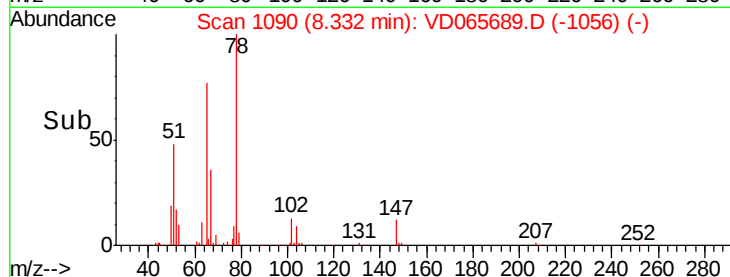
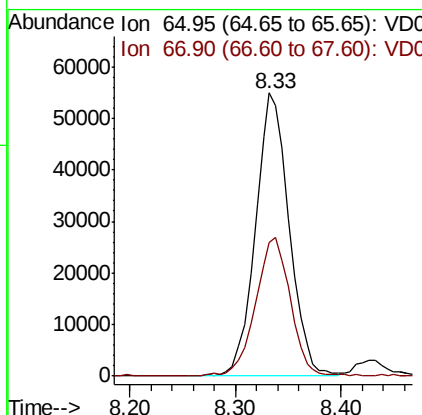
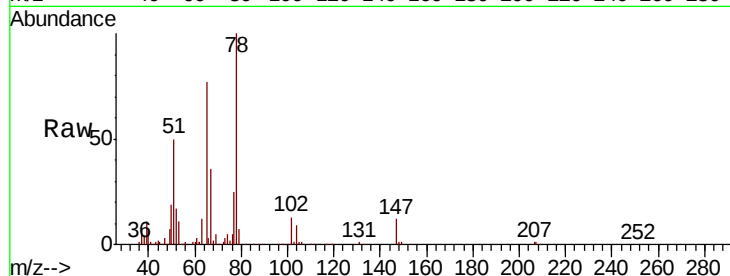




#33
 1,2-Dichloroethane-d4
 Concen: 25.584 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

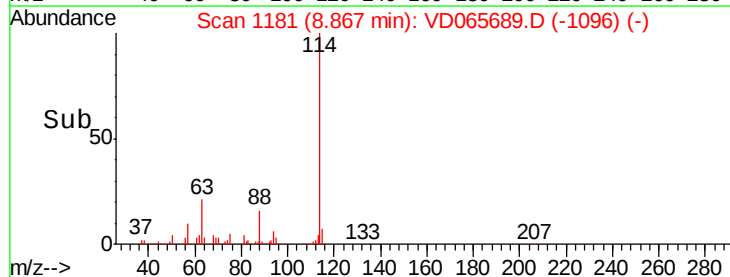
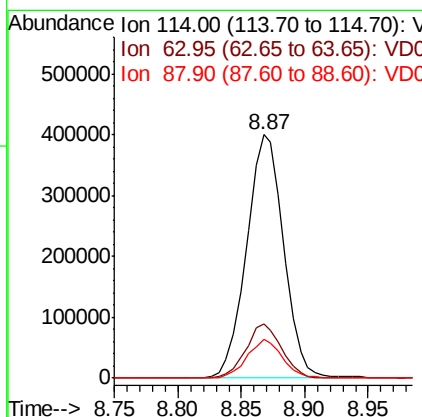
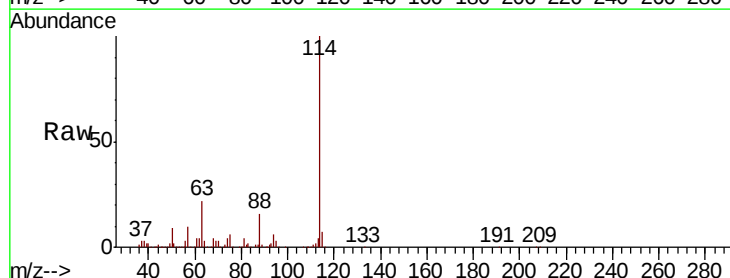
Instrument :
 MSVOA_D
 ClientSampleId :

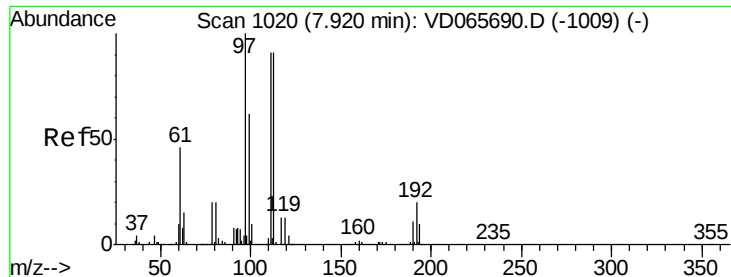
Tot Ion: 65 Resp: 121281
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 114 Resp: 813711
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 16.1 0.0 31.8

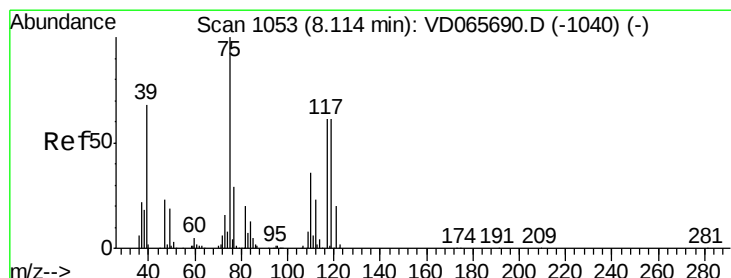
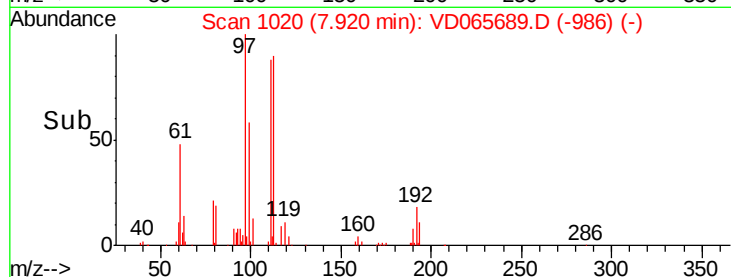
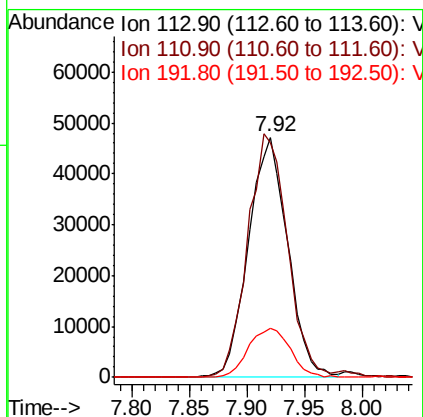
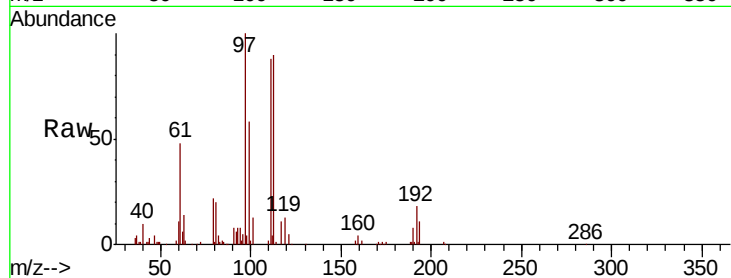




#35
 Dibromofluoromethane
 Concen: 19.788 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

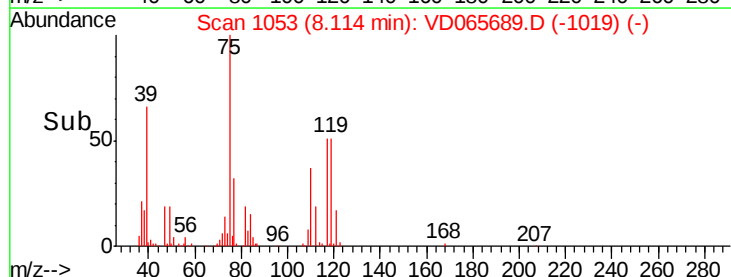
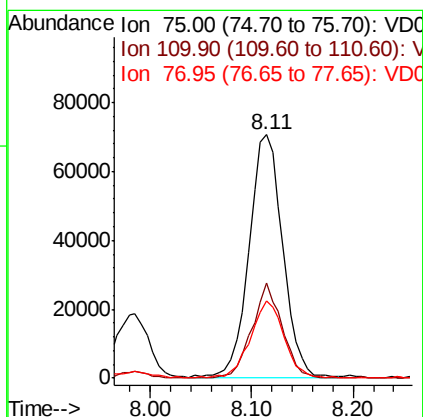
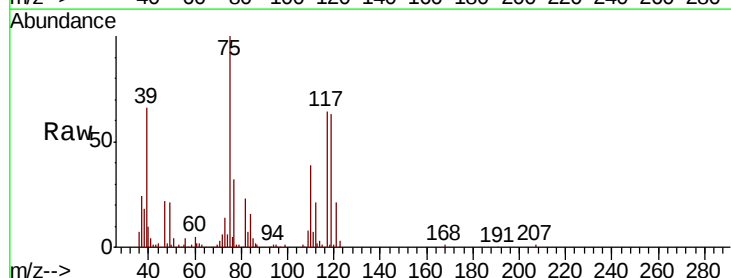
Instrument :
 MSVOA_D
 ClientSampleId :

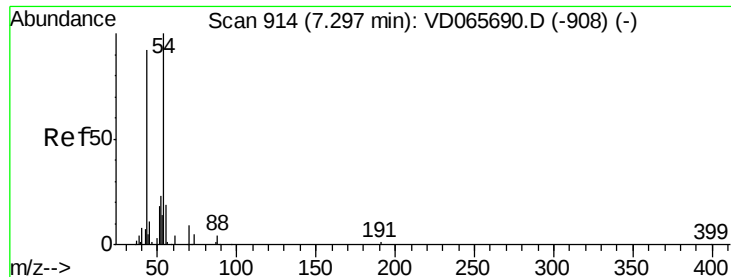
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.8	80.2	120.4
192	20.2	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 24.420 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	18.0	54.0
77	32.0	23.5	35.3

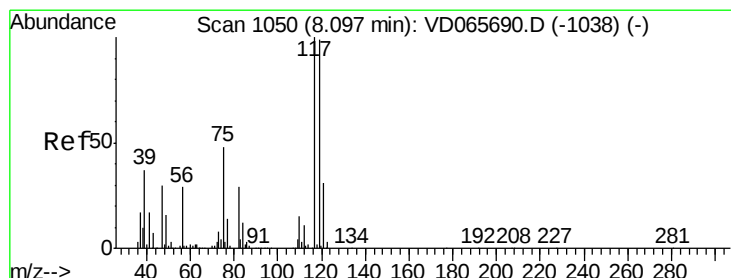
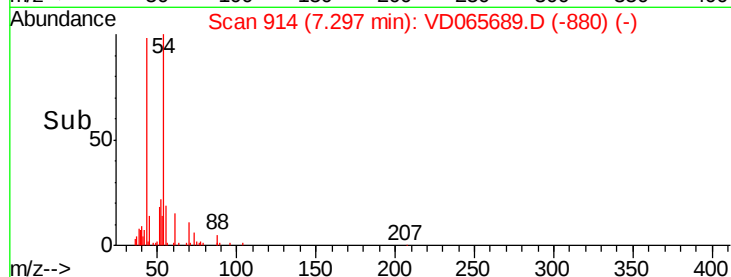
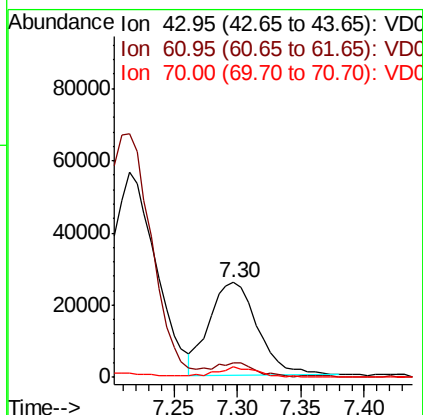
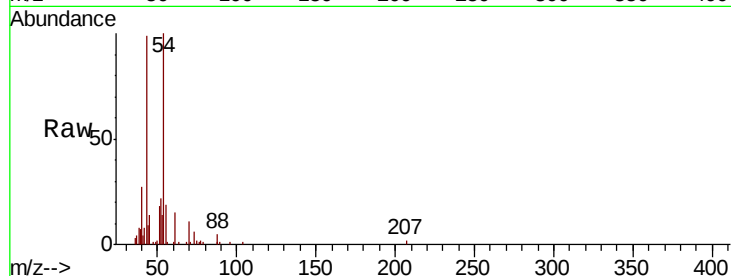




#37
Ethyl Acetate
Concen: 23.822 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

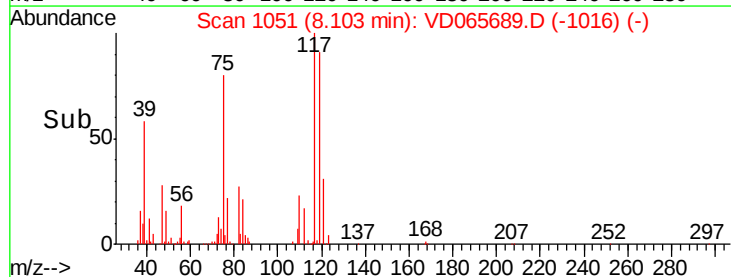
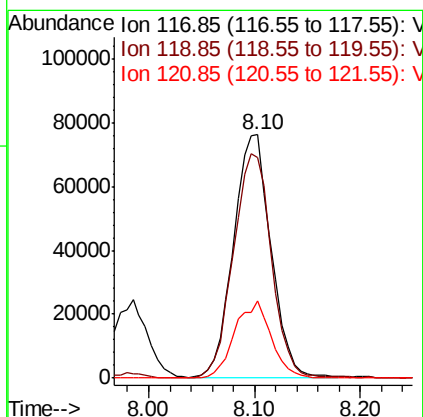
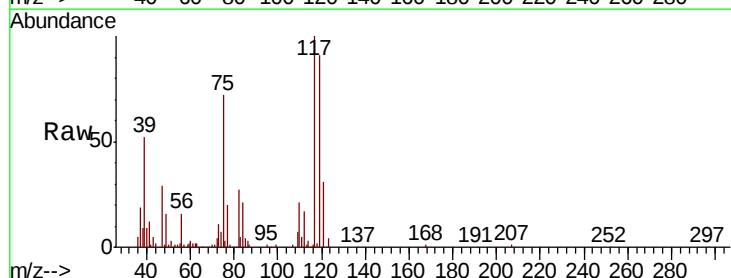
Instrument :
MSVOA_D
ClientSampleId :

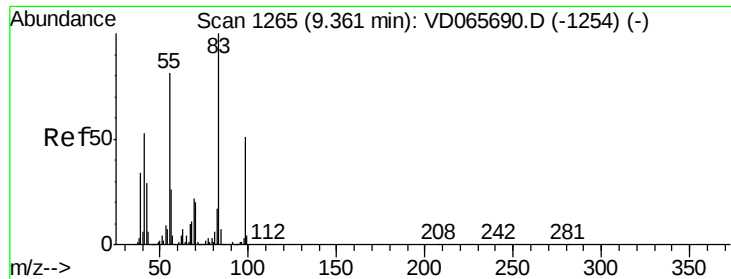
Tot Ion: 43 Resp: 68479
Ion Ratio Lower Upper
43 100
61 14.9 10.6 16.0
70 11.4 7.0 10.4#



#38
Carbon Tetrachloride
Concen: 23.105 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 117 Resp: 186201
Ion Ratio Lower Upper
117 100
119 90.6 79.0 118.6
121 31.5 24.9 37.3

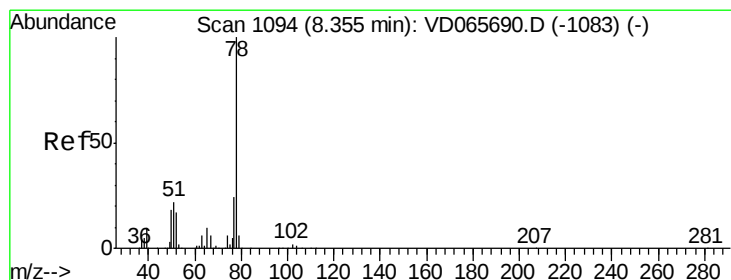
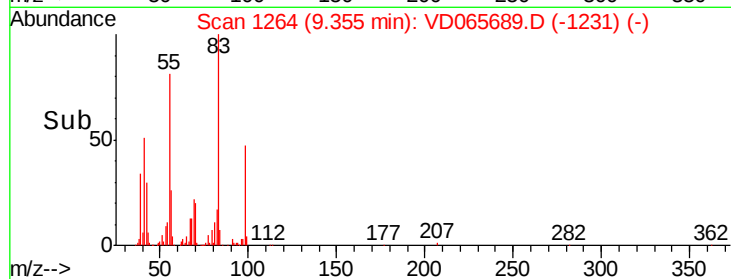
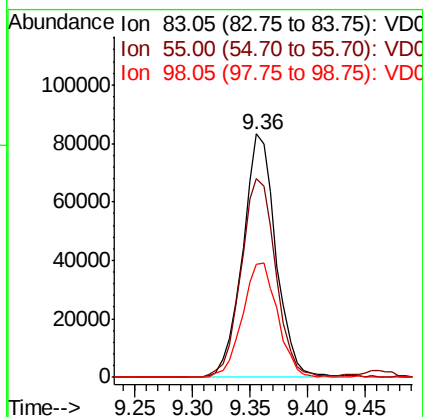
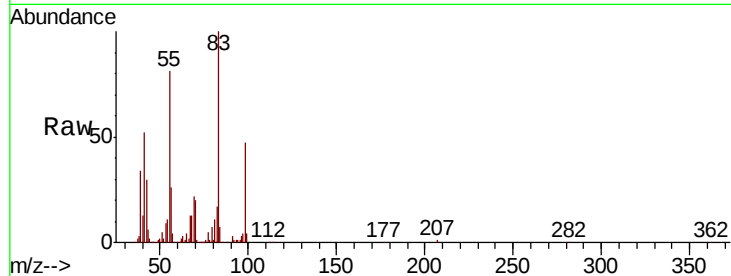




#39
Methvlcvclohexane
Concen: 24.806 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

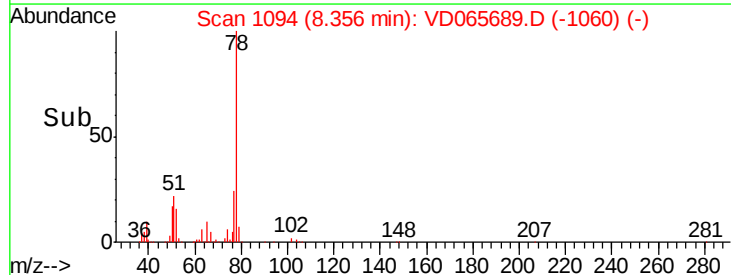
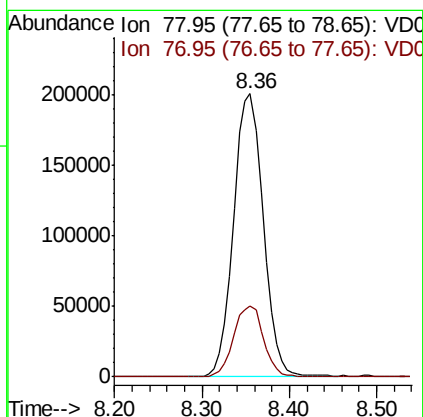
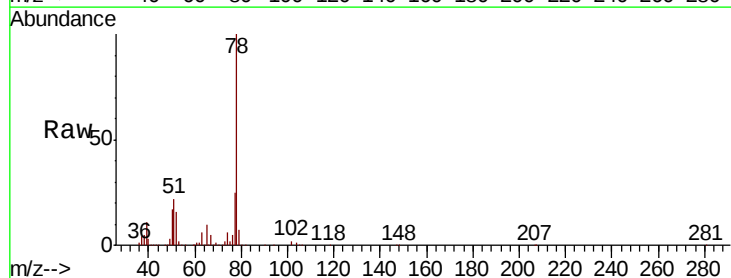
Instrument :
MSVOA_D
ClientSampleId :

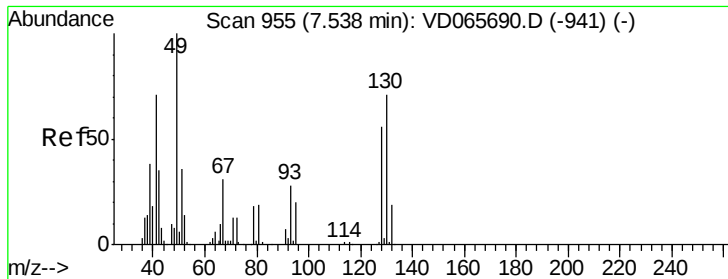
Tot Ion: 83 Resp: 166503
Ion Ratio Lower Upper
83 100
55 81.4 65.0 97.4
98 46.5 41.2 61.8



#40
Benzene
Concen: 27.391 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 78 Resp: 461269
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8

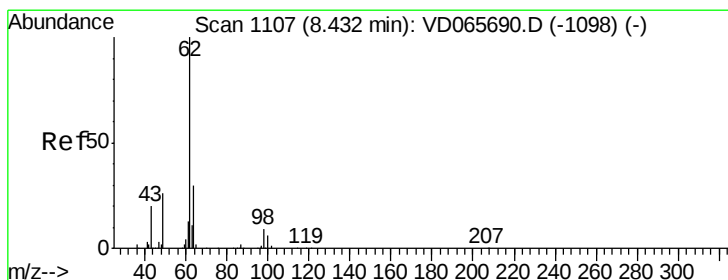
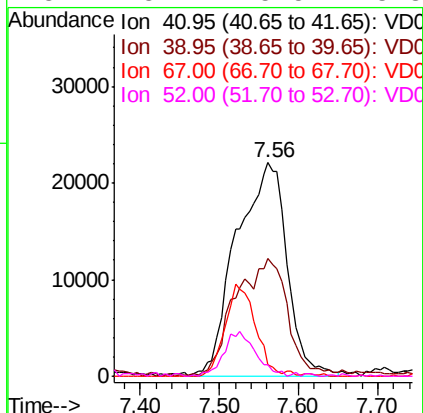
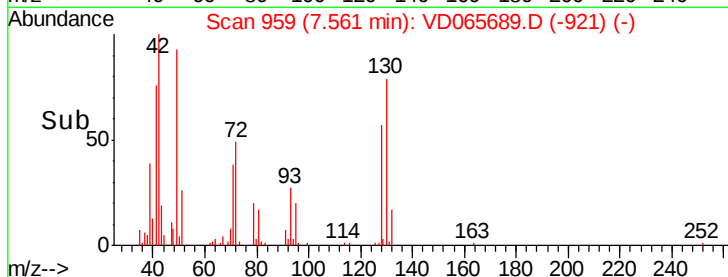
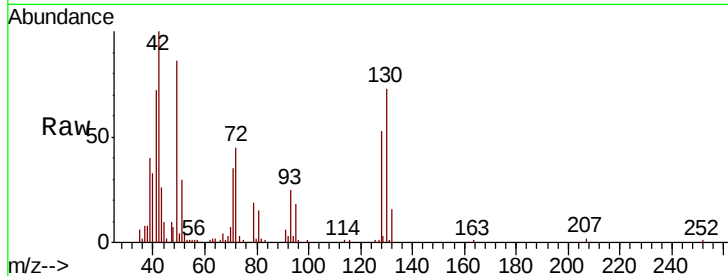




#41
Methacrylonitrile
Concen: 33.025 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

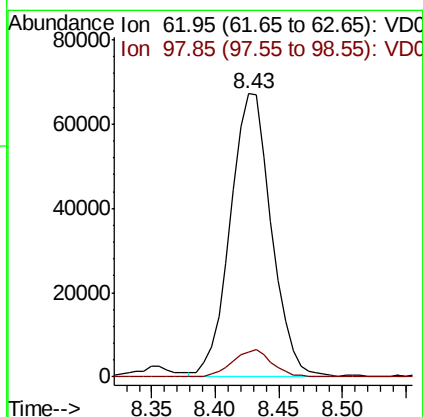
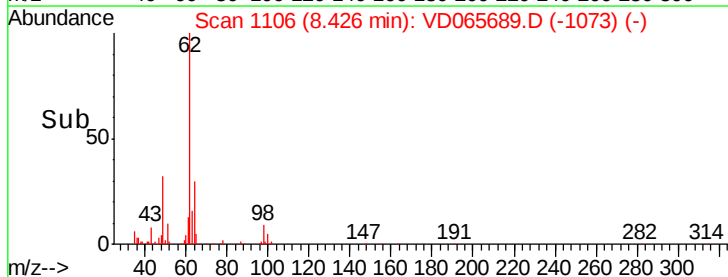
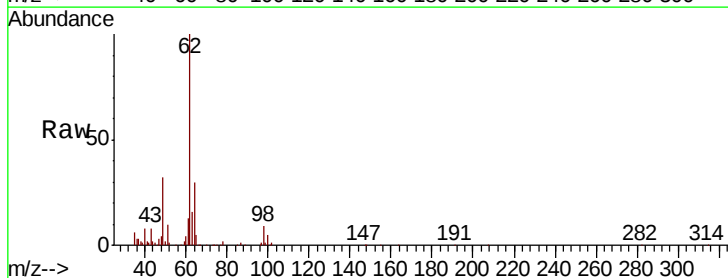
Instrument :
MSVOA_D
ClientSampleId :

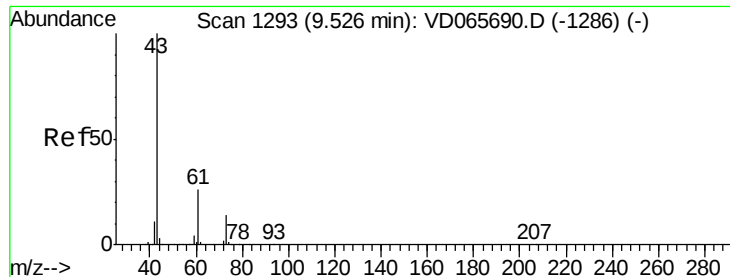
Tot Ion: 41 Resp: 97813
Ion Ratio Lower Upper
41 100
39 54.9 42.8 64.2
67 5.3 34.8 52.2#
52 5.2 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 26.531 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 62 Resp: 150429
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.4





#43

Isopropyl Acetate

Concen: 22.025 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

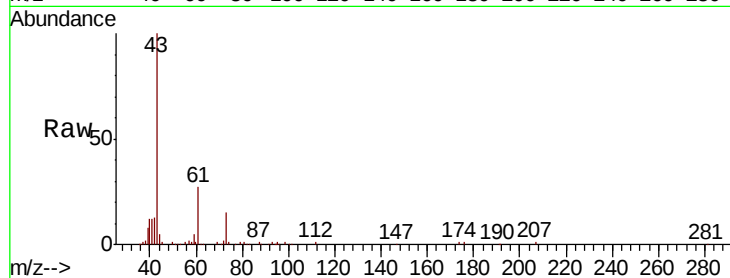
Tot Ion: 43 Resp: 90142

Ion Ratio Lower Upper

43 100

61 27.5 20.5 30.7

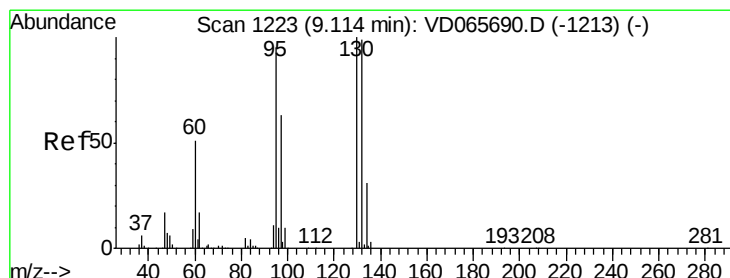
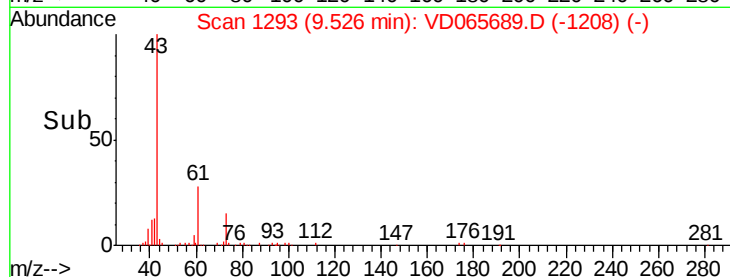
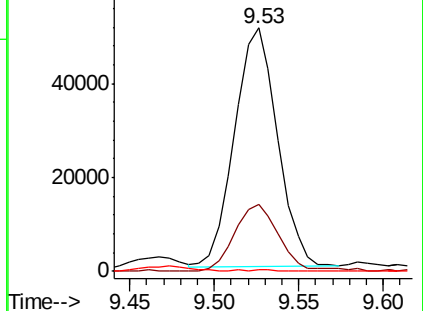
87 0.7 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.468 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065689.D

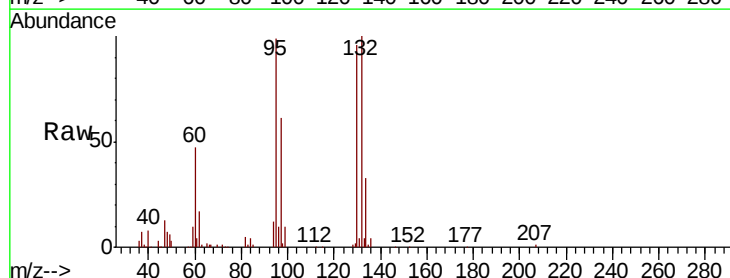
Acq: 01 May 2020 18:46

Tgt Ion:130 Resp: 124364

Ion Ratio Lower Upper

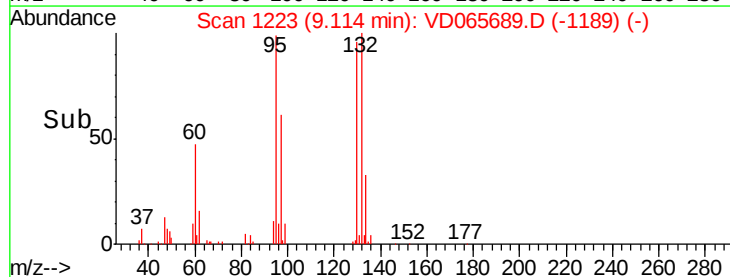
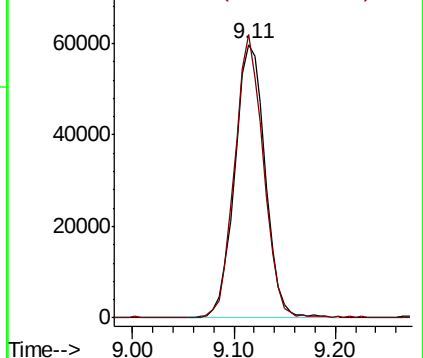
130 100

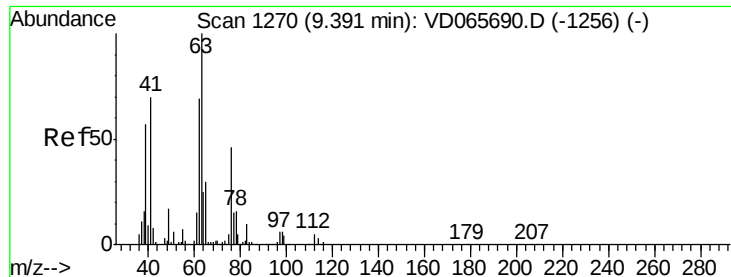
95 103.5 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

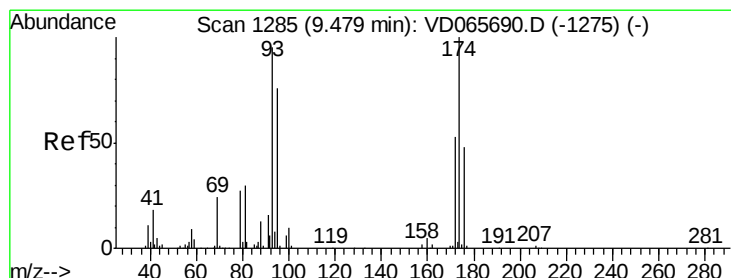
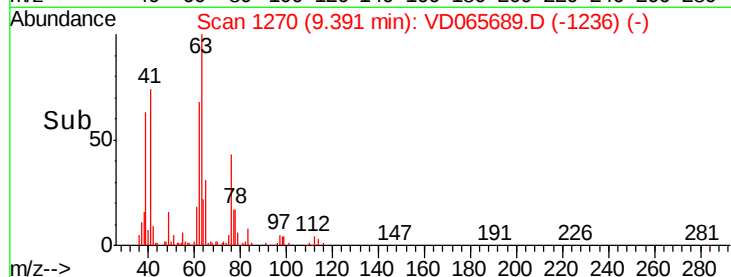
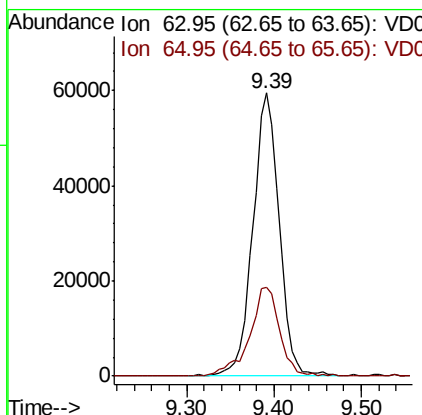
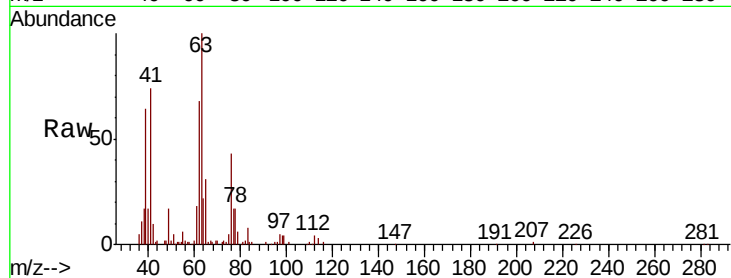




#45
 1,2-Dichloropropane
 Concen: 28.512 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

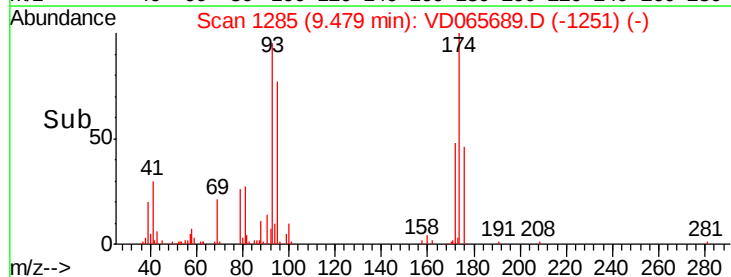
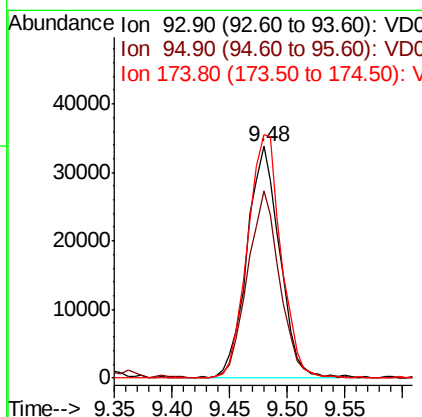
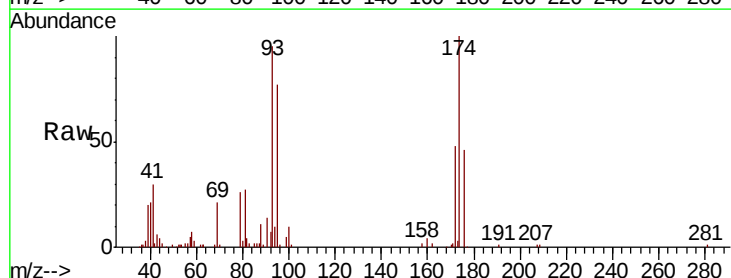
Instrument :
 MSVOA_D
 ClientSampleId :

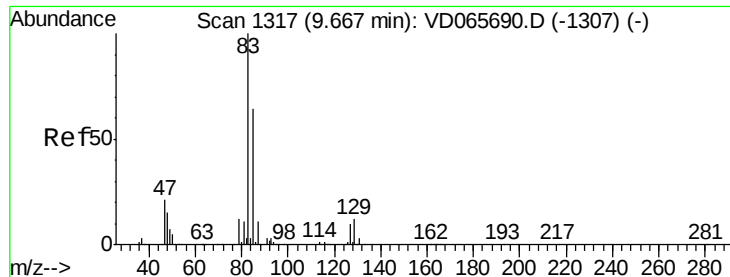
Tot Ion: 63 Resp: 122121
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.8



#46
 Dibromomethane
 Concen: 23.053 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 93 Resp: 66861
 Ion Ratio Lower Upper
 93 100
 95 81.0 63.9 95.9
 174 104.9 84.3 126.5





#47

Bromodichloromethane

Concen: 24.827 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

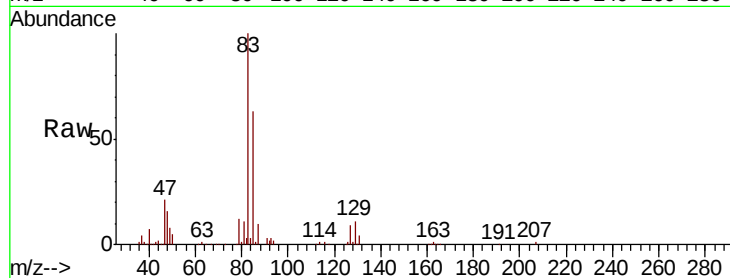
Tot Ion: 83 Resp: 174909

Ion Ratio Lower Upper

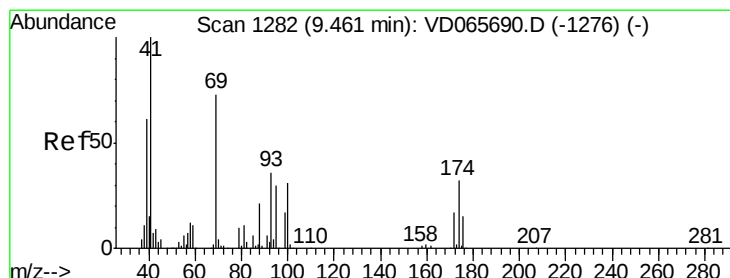
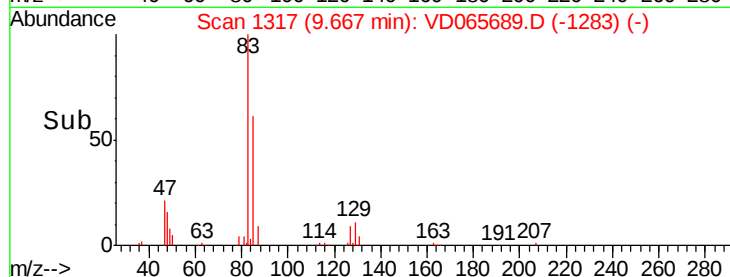
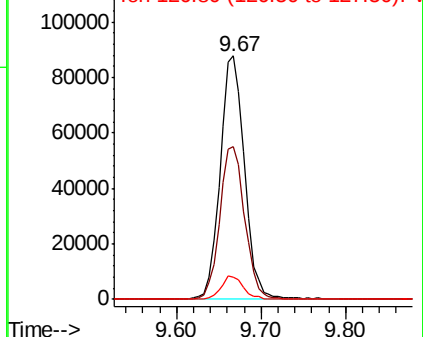
83 100

85 62.5 51.6 77.4

127 9.1 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.857 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

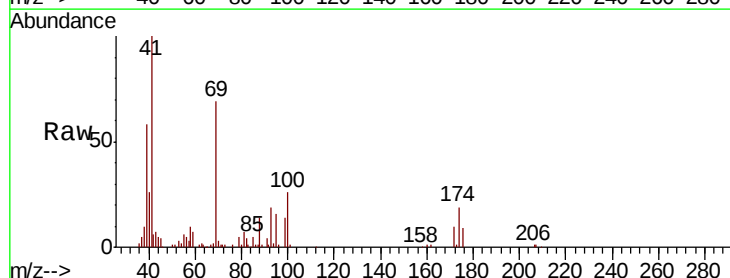
Tgt Ion: 41 Resp: 59010

Ion Ratio Lower Upper

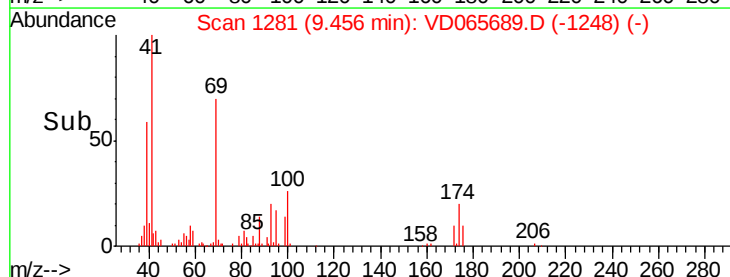
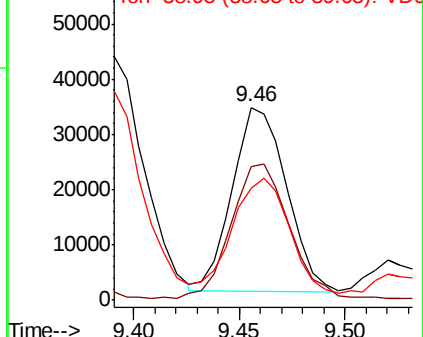
41 100

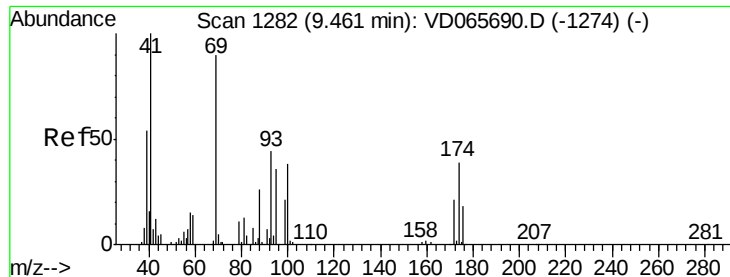
69 69.4 54.9 82.3

39 58.4 49.7 74.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 535.842 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :

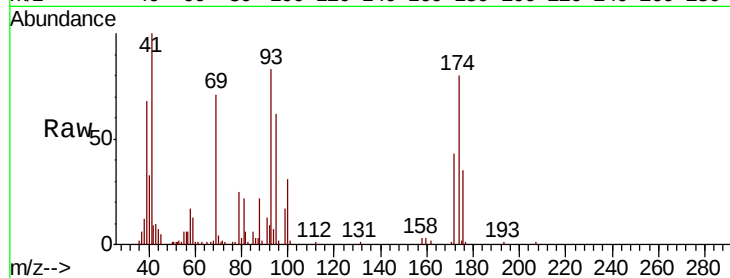
Tot Ion: 88 Resp: 13962

Ion Ratio Lower Upper

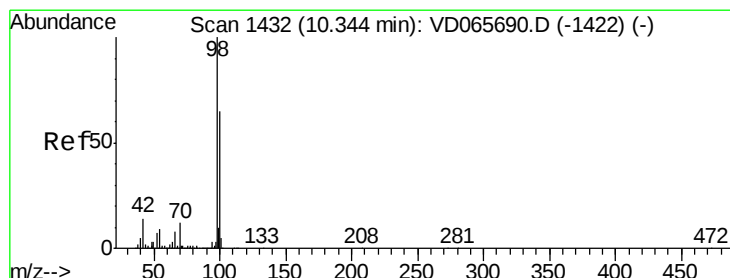
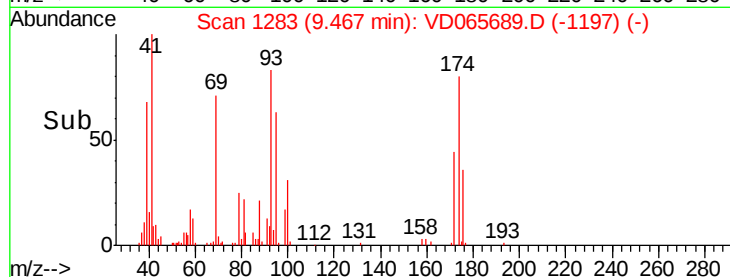
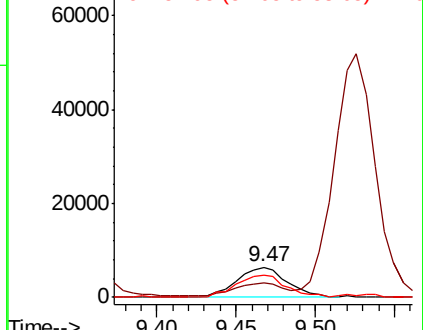
88 100

43 46.3 36.7 55.1

58 75.3 47.0 70.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 27.378 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065689.D

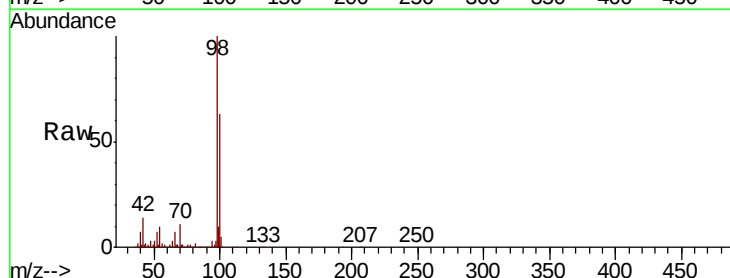
Acq: 01 May 2020 18:46

Tgt Ion: 98 Resp: 405551

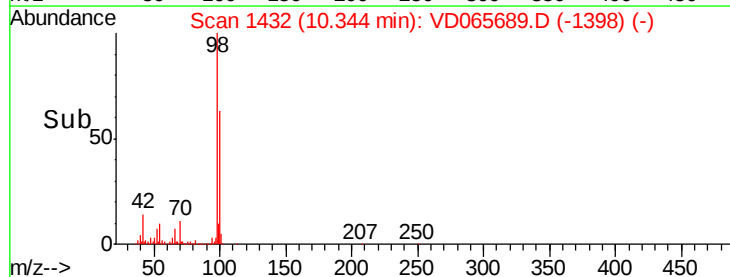
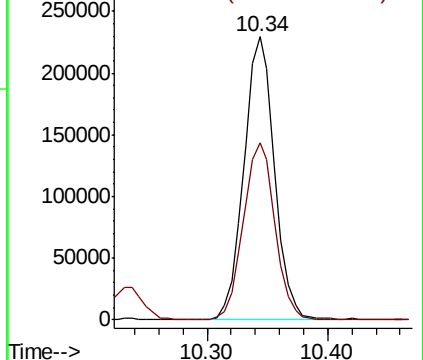
Ion Ratio Lower Upper

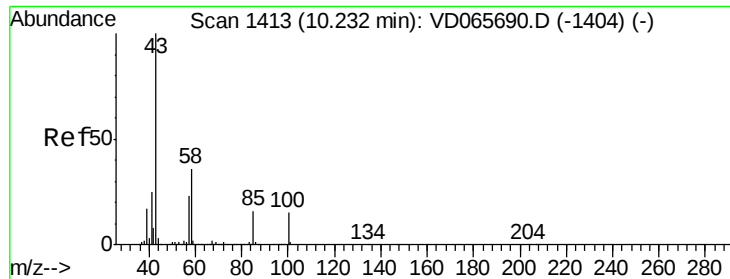
98 100

100 62.7 51.9 77.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

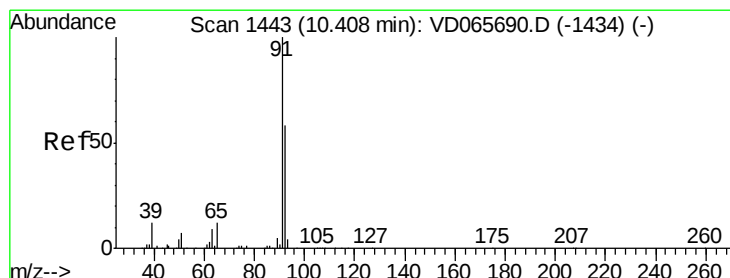
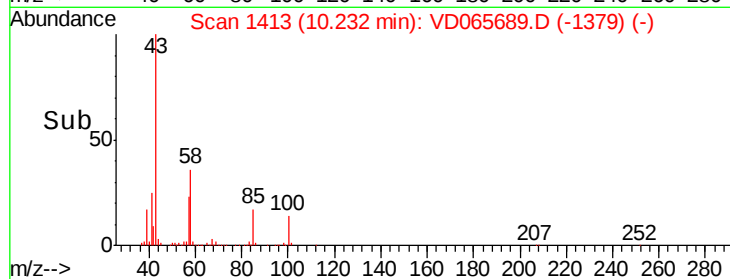
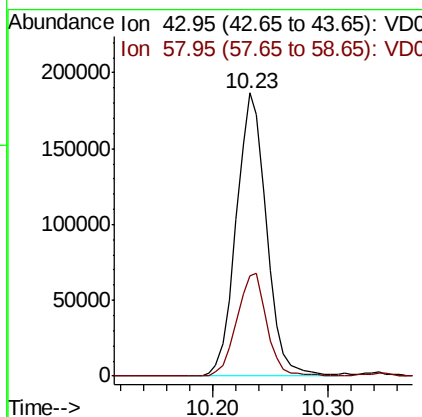
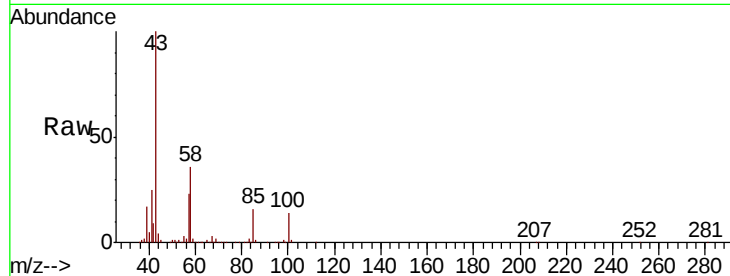




#51
 4-Methyl-2-Pentanone
 Concen: 130.241 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

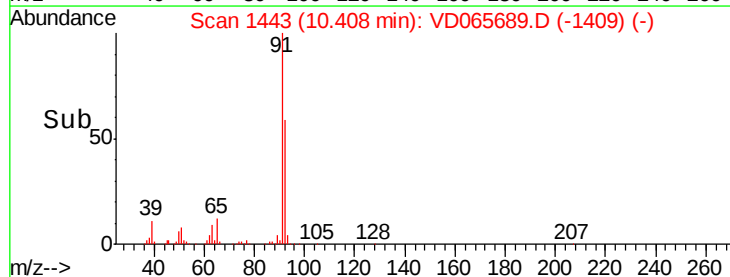
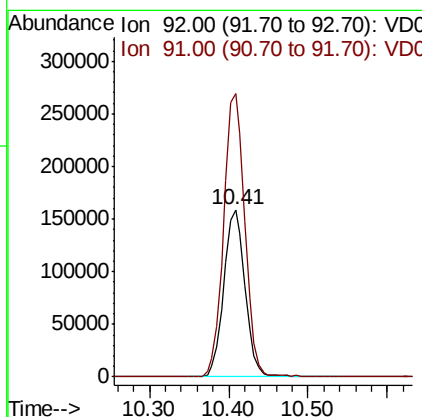
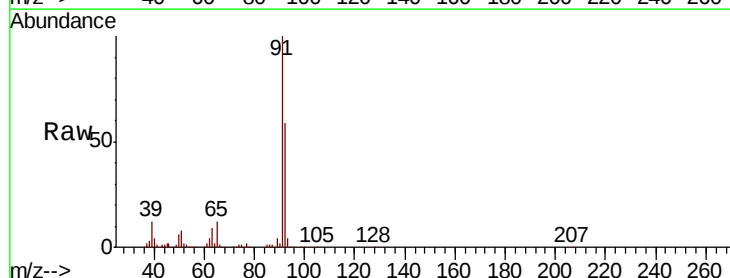
Instrument :
 MSVOA_D
 ClientSampled :

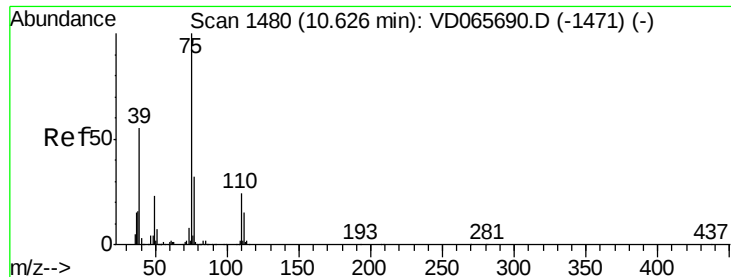
Tot Ion: 43 Resp: 338936
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.8 43.2



#52
 Toluene
 Concen: 27.012 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 92 Resp: 293908
 Ion Ratio Lower Upper
 92 100
 91 169.5 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 25.095 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

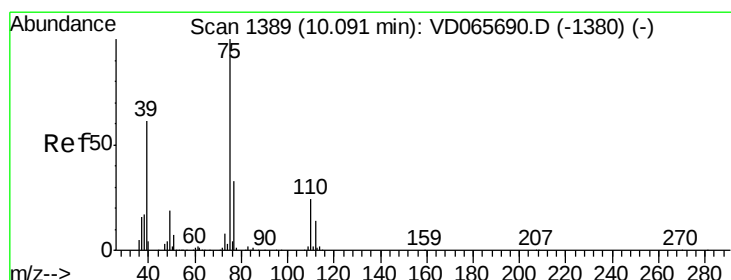
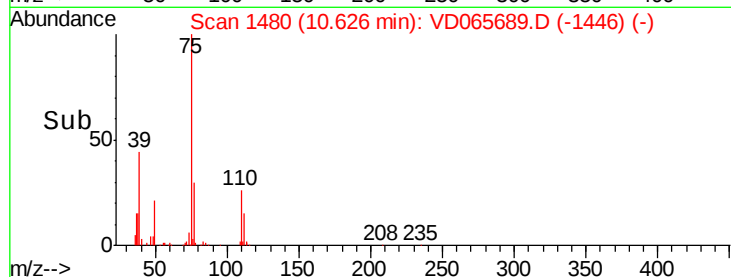
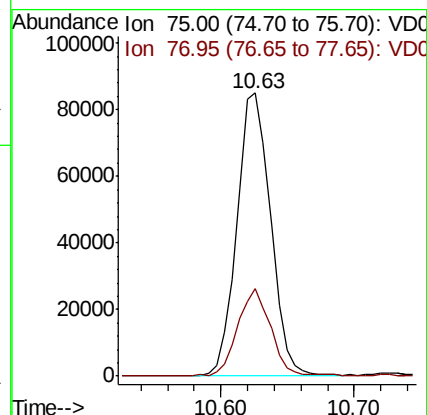
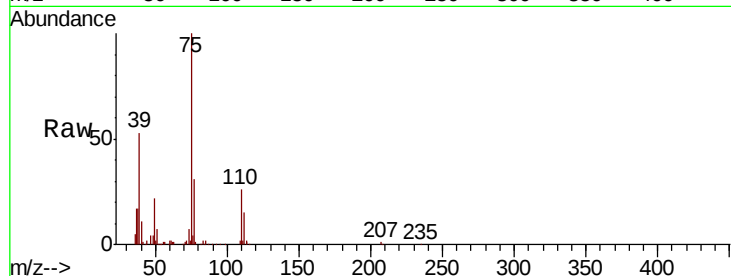
ClientSampleId :

Tot Ion: 75 Resp: 149179

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 24.438 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

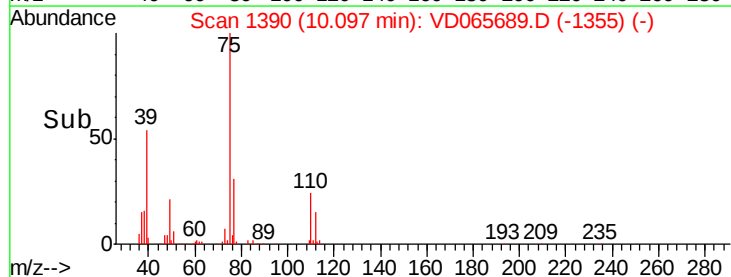
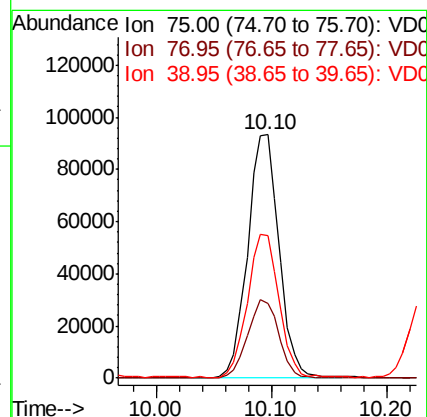
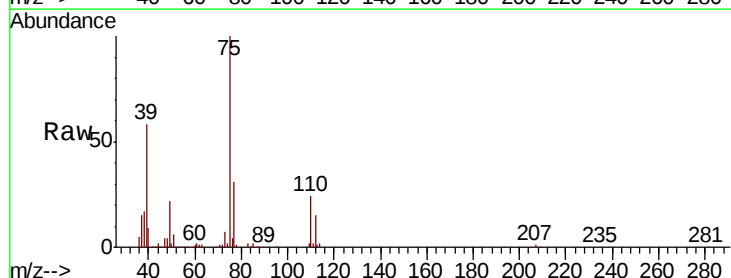
Tgt Ion: 75 Resp: 176801

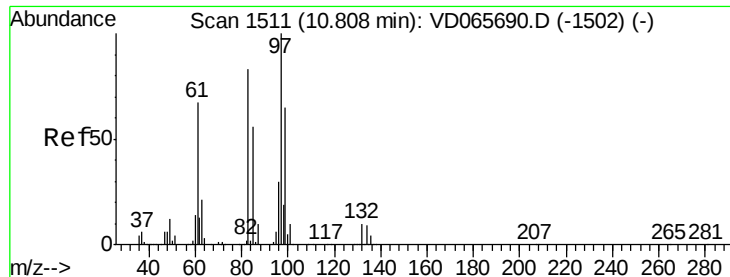
Ion Ratio Lower Upper

75 100

77 30.6 26.6 40.0

39 58.5 48.8 73.2

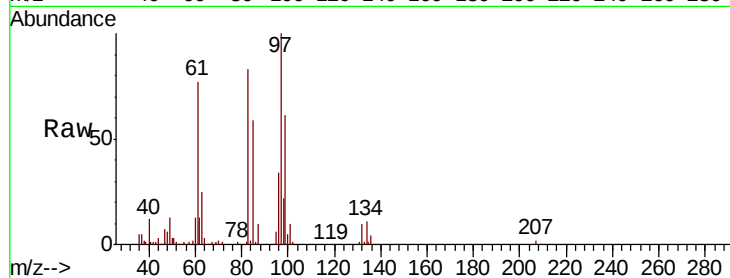




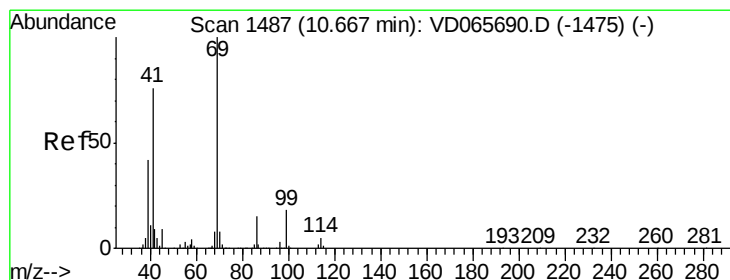
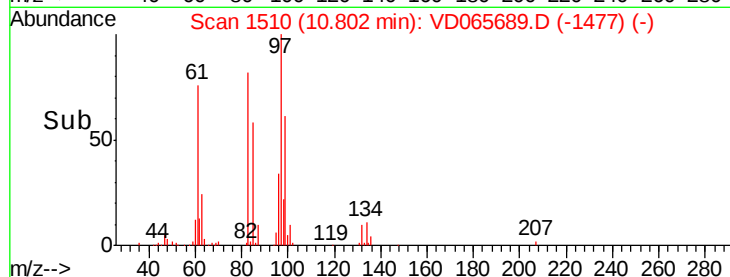
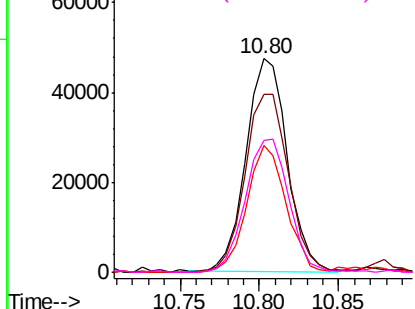
#55
1,1,2-Trichloroethane
Concen: 24.415 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	85637
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.7	100.1
85	59.4	45.0	67.4
99	61.5	51.9	77.9

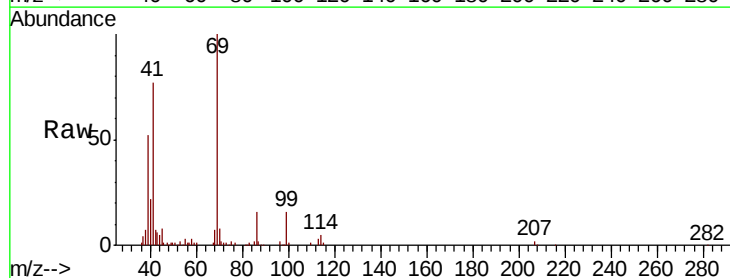


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

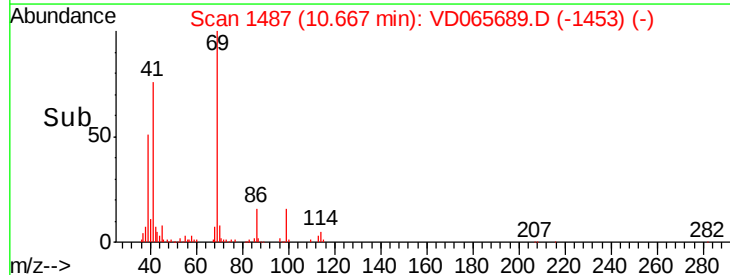
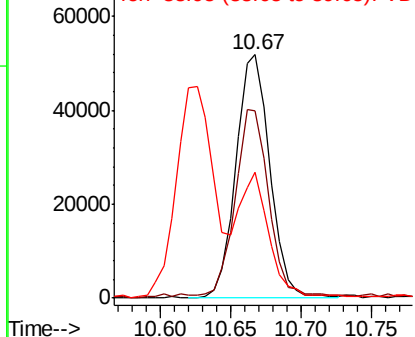


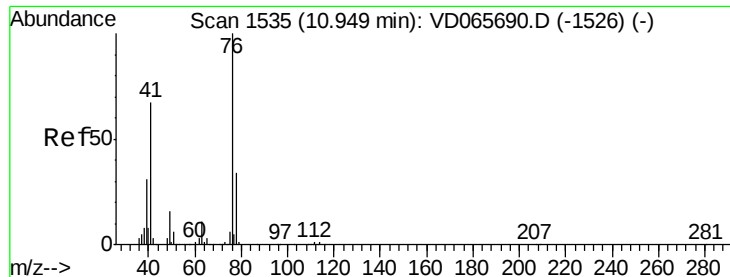
#56
Ethyl methacrylate
Concen: 22.149 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion:	69	Resp:	87157
Ion	Ratio	Lower	Upper
69	100		
41	77.0	61.4	92.0
39	51.9	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 26.882 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

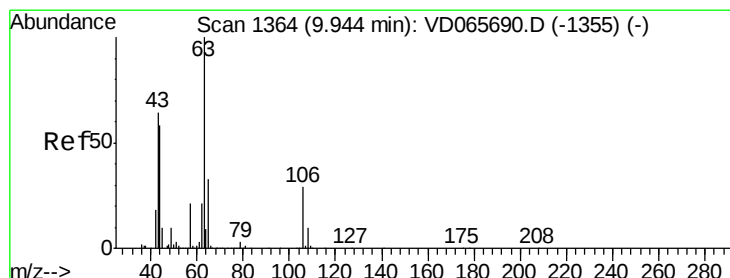
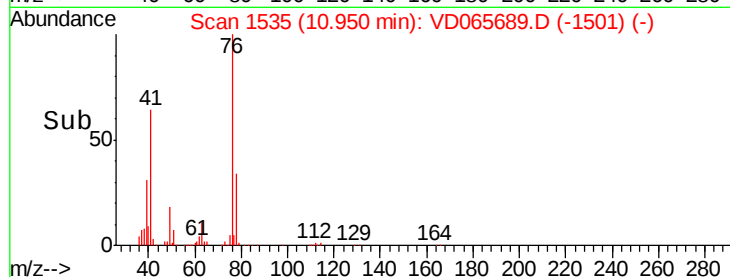
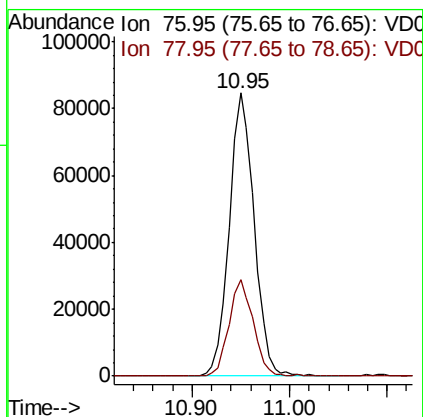
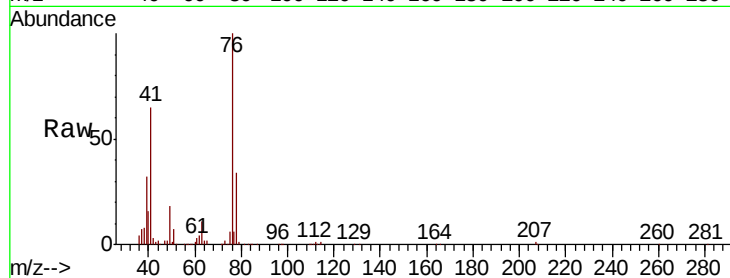
ClientSampled :

Tot Ion: 76 Resp: 149566

Ion Ratio Lower Upper

76 100

78 34.2 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 123.719 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065689.D

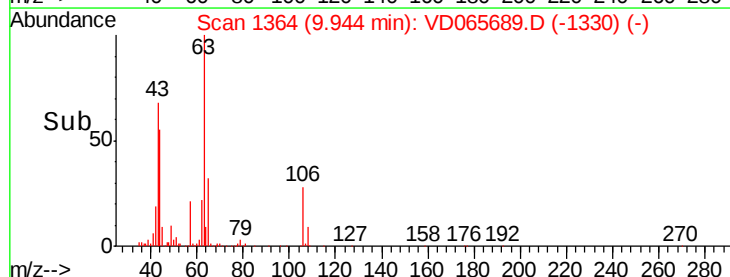
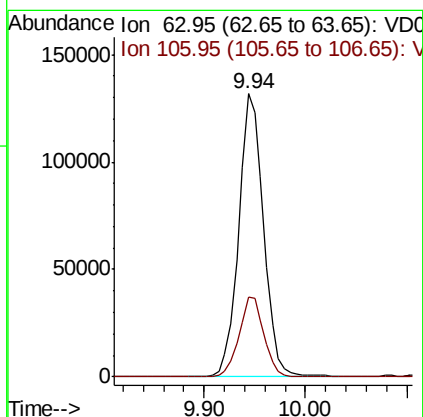
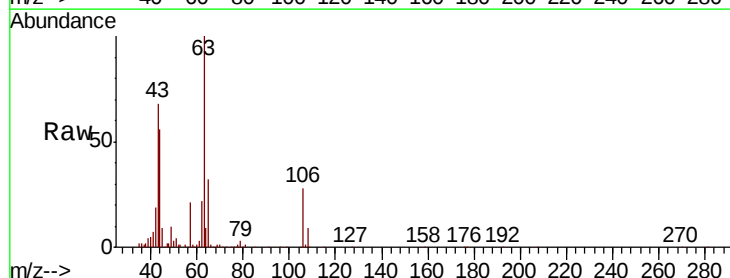
Acq: 01 May 2020 18:46

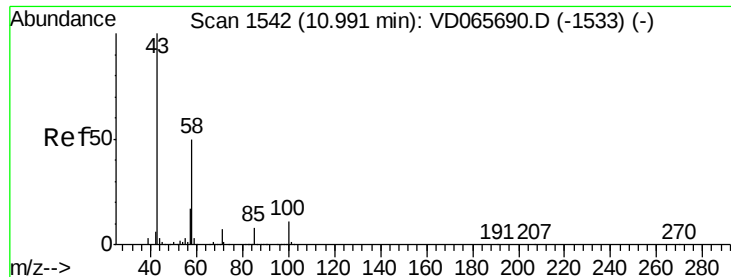
Tgt Ion: 63 Resp: 223577

Ion Ratio Lower Upper

63 100

106 28.2 23.4 35.2

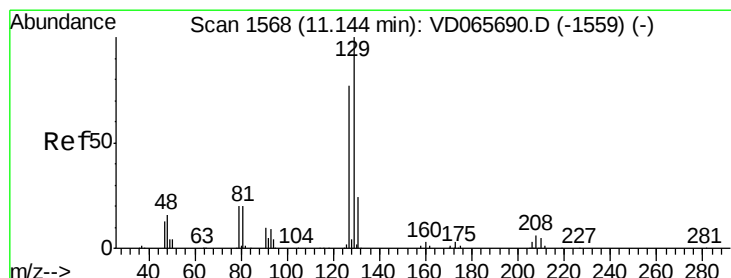
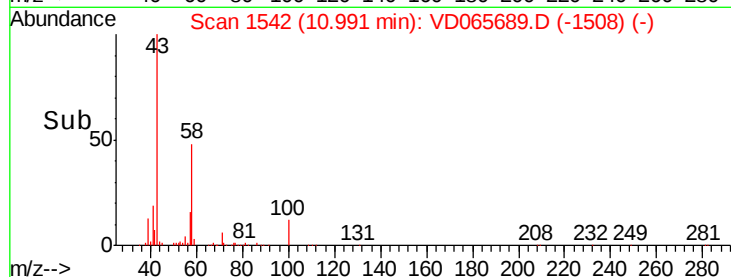
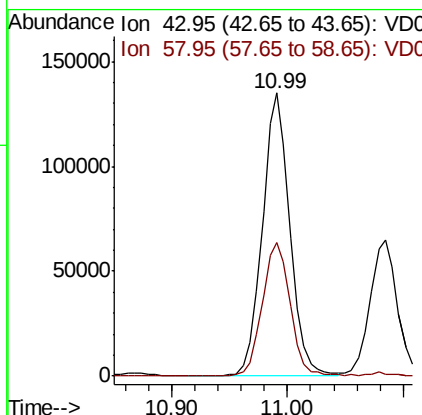
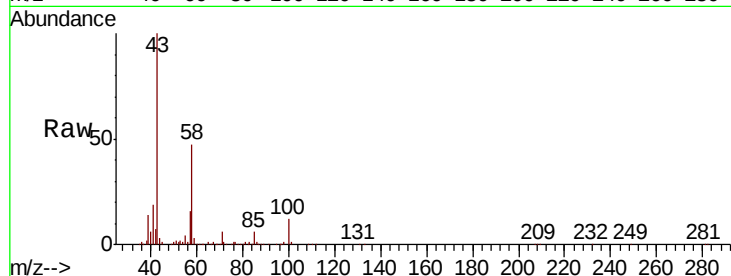




#59
2-Hexanone
Concen: 116.905 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

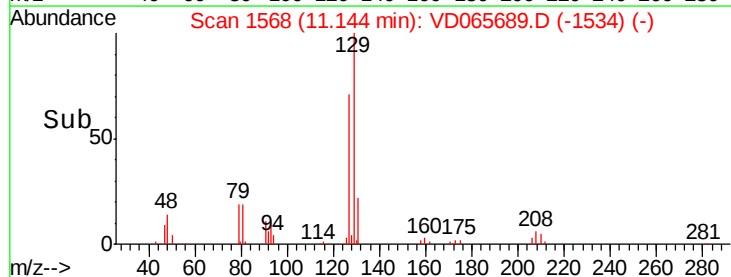
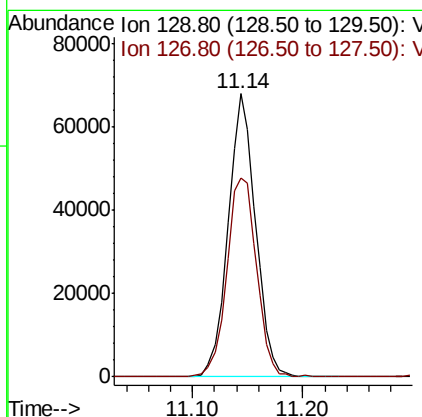
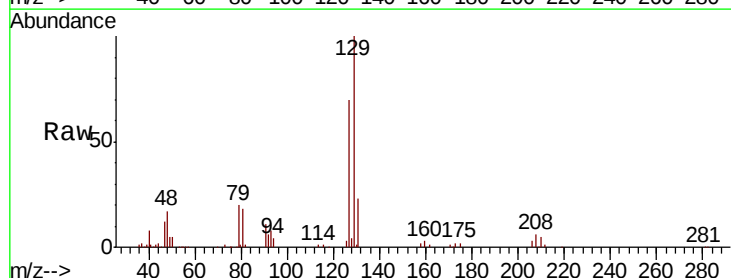
Instrument :
MSVOA_D
ClientSampleID :

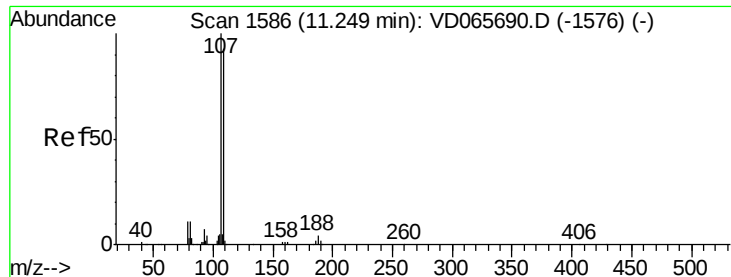
Tot Ion: 43 Resp: 223217
Ion Ratio Lower Upper
43 100
58 47.2 24.8 74.4



#60
Dibromochloromethane
Concen: 21.144 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 129 Resp: 117998
Ion Ratio Lower Upper
129 100
127 70.4 38.6 115.8

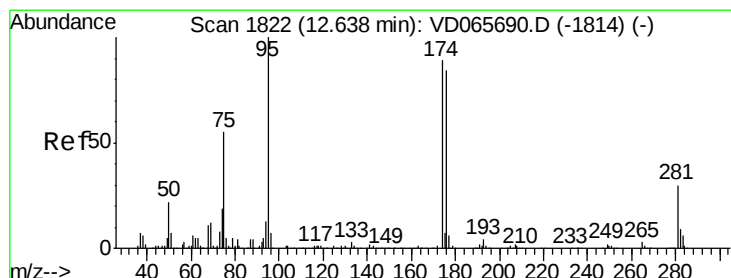
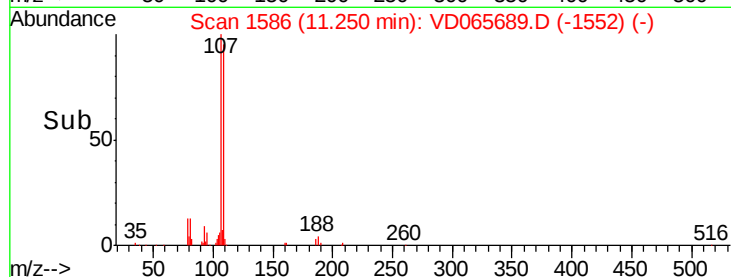
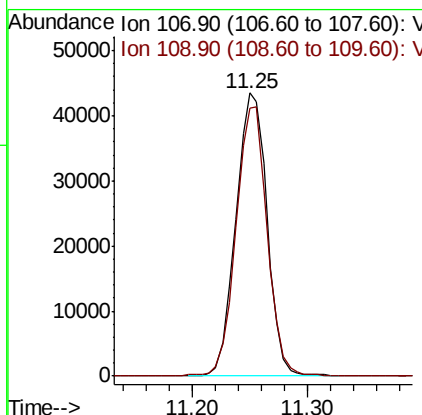
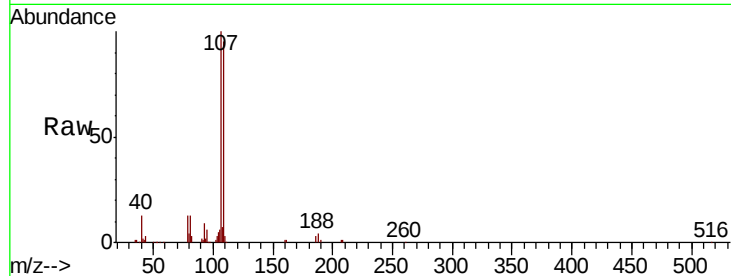




#61
 1,2-Dibromoethane
 Concen: 20.074 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

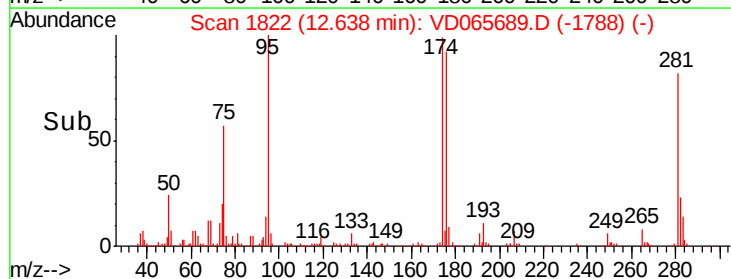
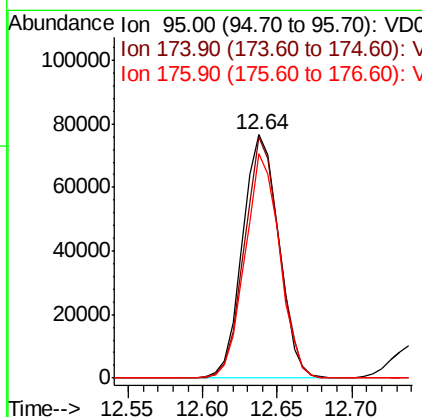
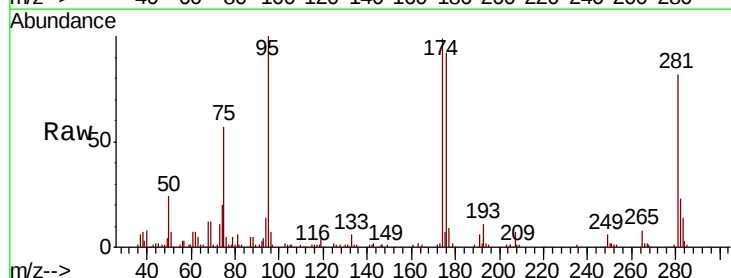
Instrument :
 MSVOA_D
 ClientSampleId :

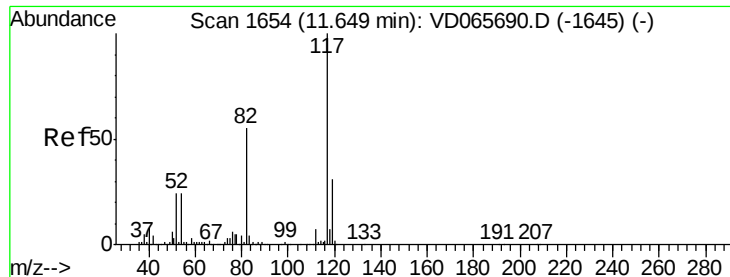
Tot Ion: 107 Resp: 81367
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 22.672 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion: 95 Resp: 128708
 Ion Ratio Lower Upper
 95 100
 174 99.1 0.0 177.6
 176 92.3 0.0 168.2

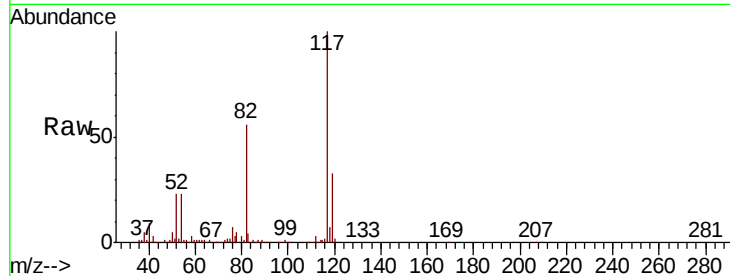




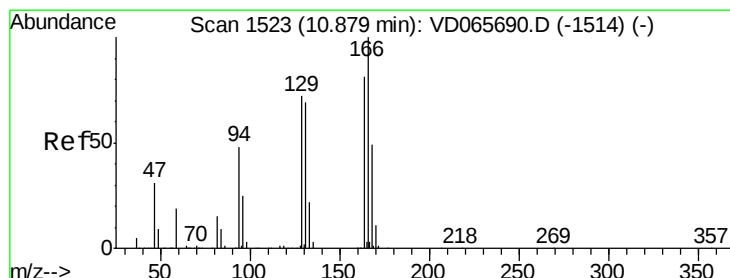
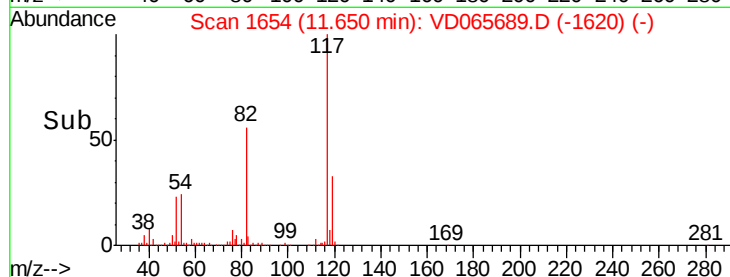
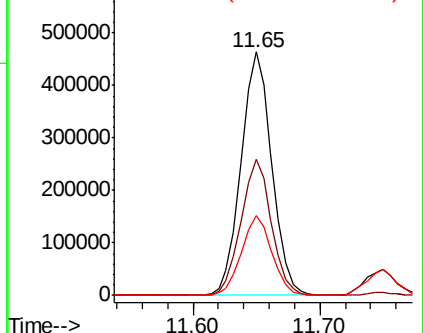
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 780715
Ion Ratio Lower Upper
117 100
82 56.0 43.6 65.4
119 33.0 25.0 37.6

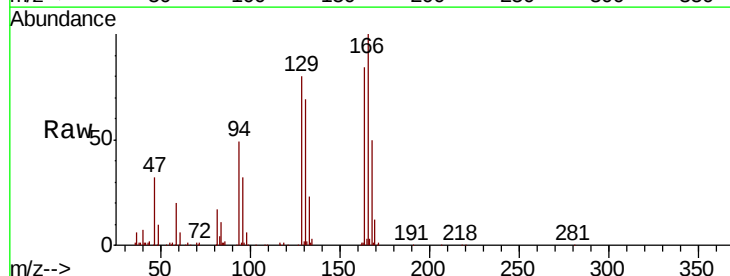


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

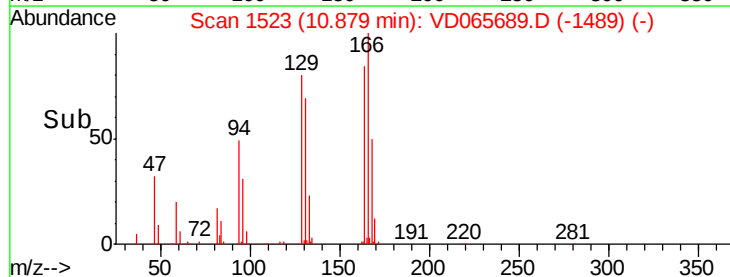
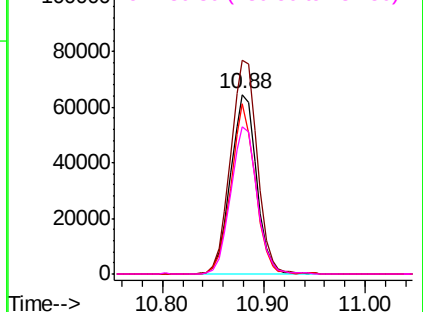


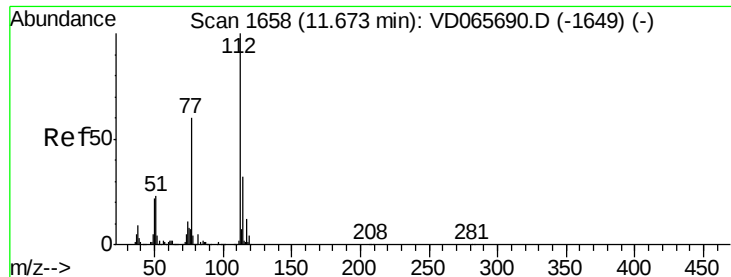
#64
Tetrachloroethene
Concen: 20.427 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion:164 Resp: 114148
Ion Ratio Lower Upper
164 100
166 119.0 99.0 148.6
129 94.7 71.5 107.3
131 82.2 68.2 102.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.223 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

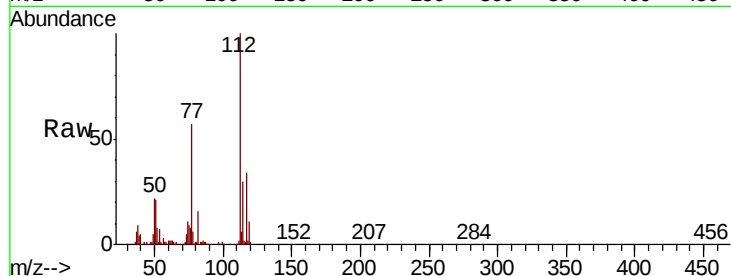
ClientSampleId :

Tot Ion:112 Resp: 318448

Ion Ratio Lower Upper

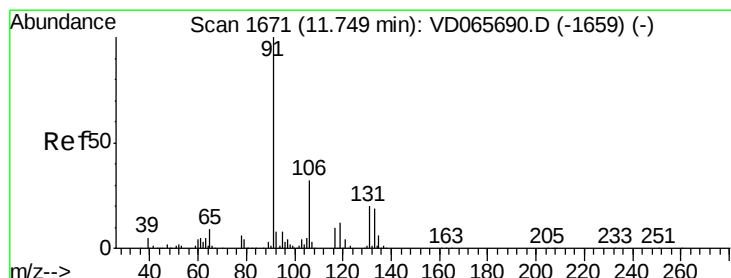
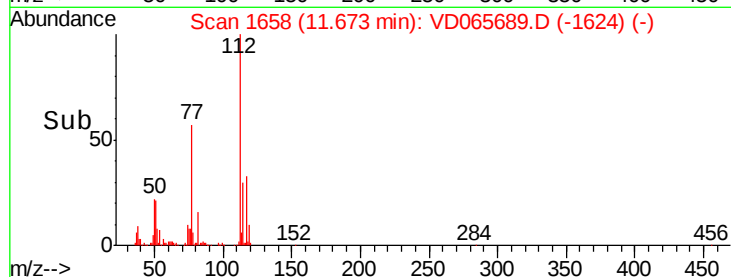
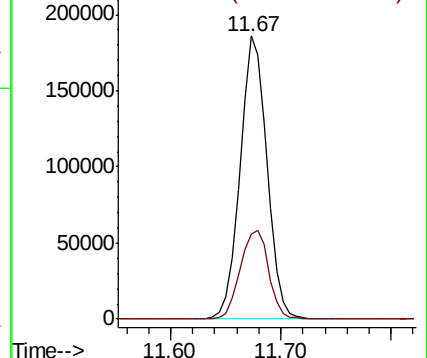
112 100

114 30.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.062 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

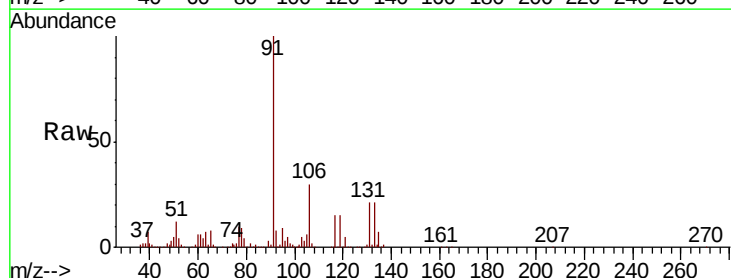
Tgt Ion:131 Resp: 125388

Ion Ratio Lower Upper

131 100

133 101.1 47.9 143.8

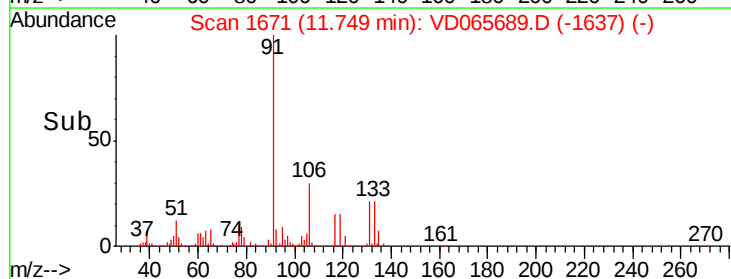
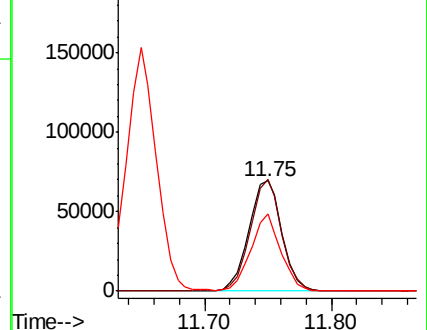
119 70.5 32.0 96.2

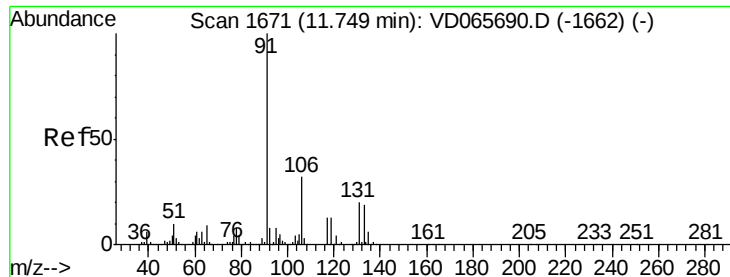


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

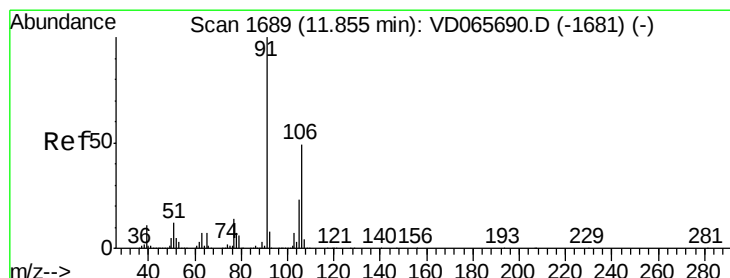
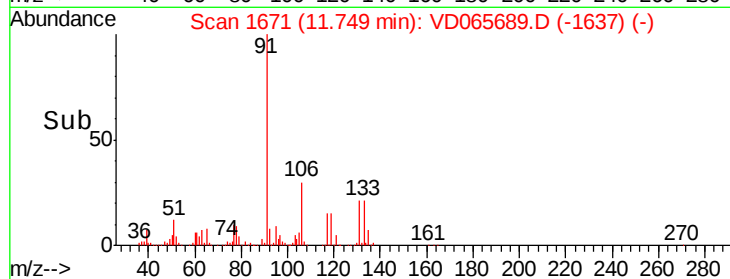
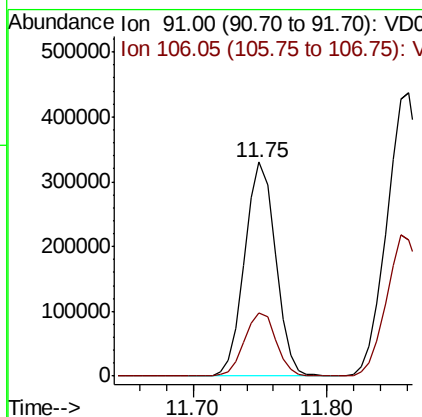
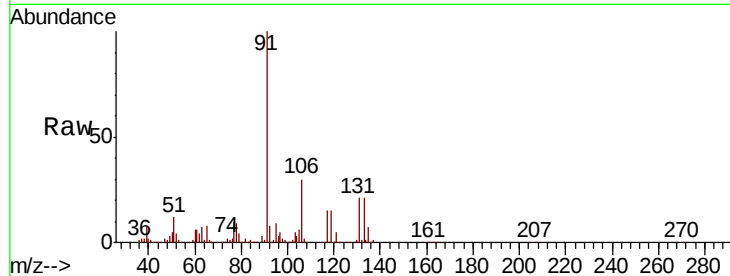




#67
Ethyl Benzene
Concen: 21.291 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

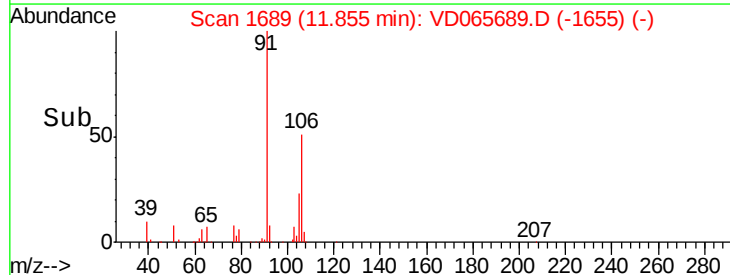
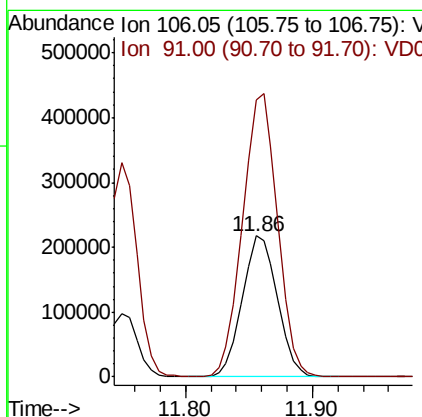
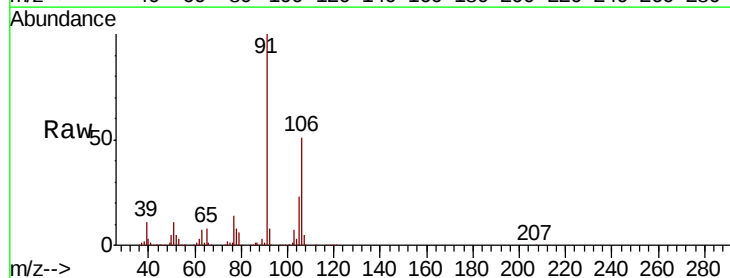
Instrument :
MSVOA_D
ClientSampleId :

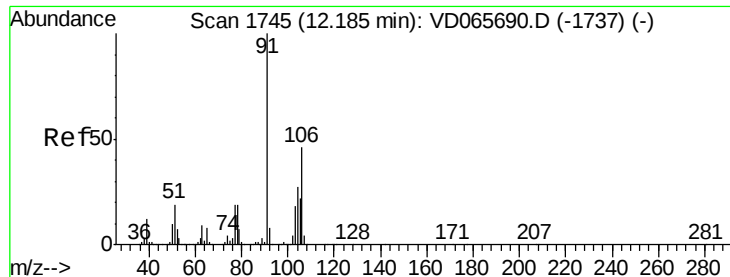
Tot Ion: 91 Resp: 531623
Ion Ratio Lower Upper
91 100
106 29.5 25.2 37.8



#68
m/p-Xylenes
Concen: 45.309 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 106 Resp: 416098
Ion Ratio Lower Upper
106 100
91 196.8 162.2 243.2

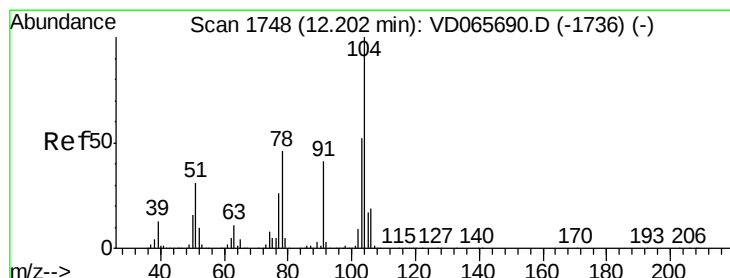
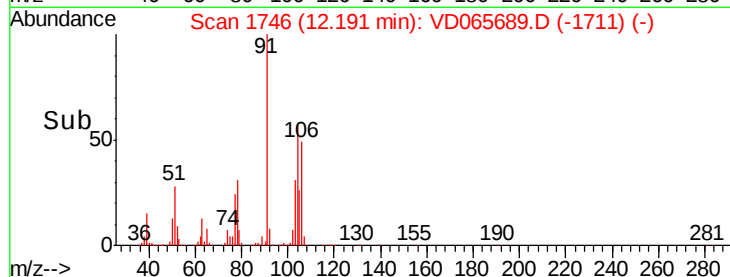
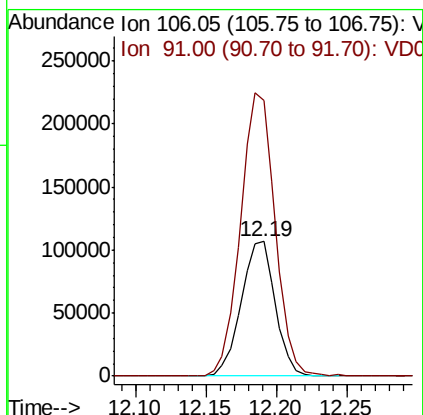
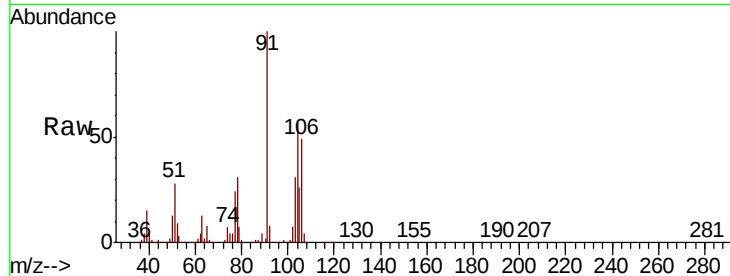




#69
o-Xylene
Concen: 21.781 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

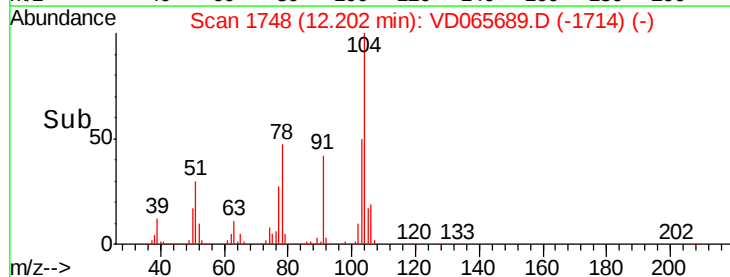
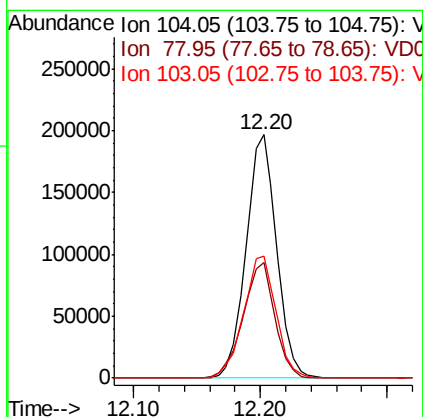
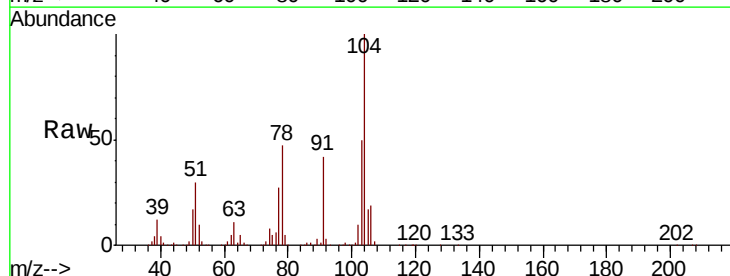
Instrument :
MSVOA_D
ClientSampled :

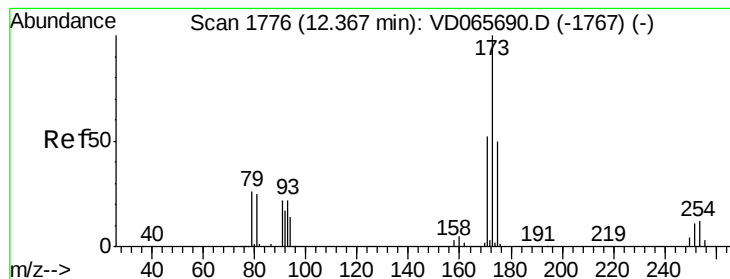
Tot Ion:106 Resp: 180790
Ion Ratio Lower Upper
106 100
91 205.1 109.7 329.0



#70
Styrene
Concen: 22.828 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion:104 Resp: 329956
Ion Ratio Lower Upper
104 100
78 47.3 36.4 54.6
103 50.2 41.7 62.5





#71

Bromoform

Concen: 20.003 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampled :

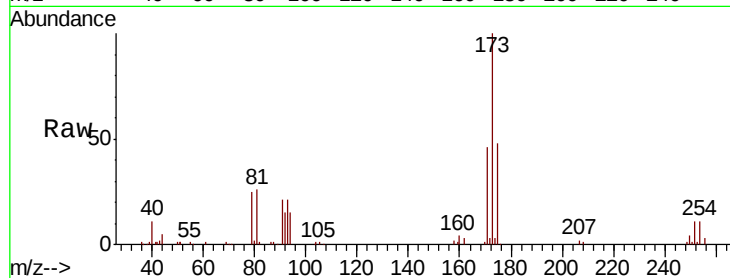
Tot Ion:173 Resp: 71372

Ion Ratio Lower Upper

173 100

175 48.0 24.9 74.8

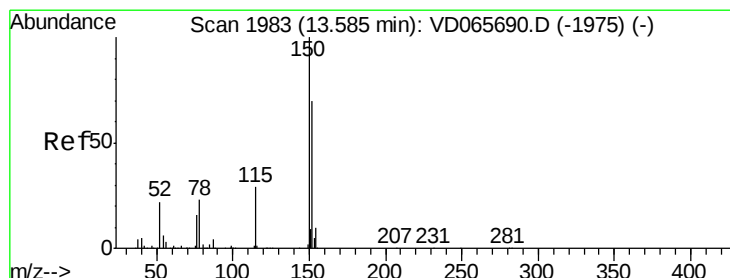
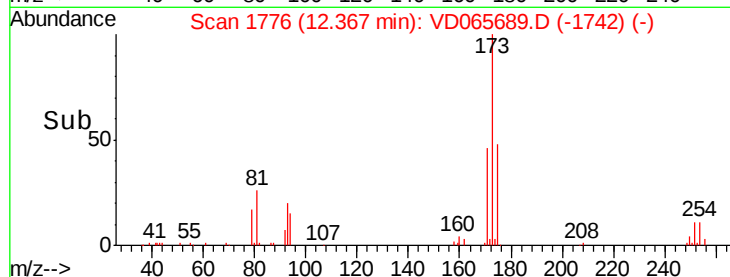
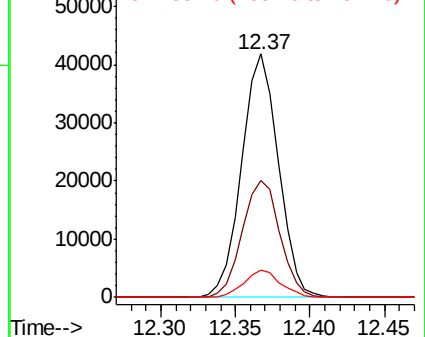
254 11.0 9.4 14.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): 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: VD065689.D

Acq: 01 May 2020 18:46

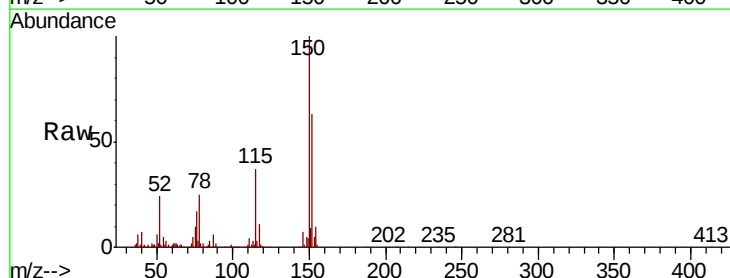
Tgt Ion:152 Resp: 403675

Ion Ratio Lower Upper

152 100

115 59.3 26.8 80.3

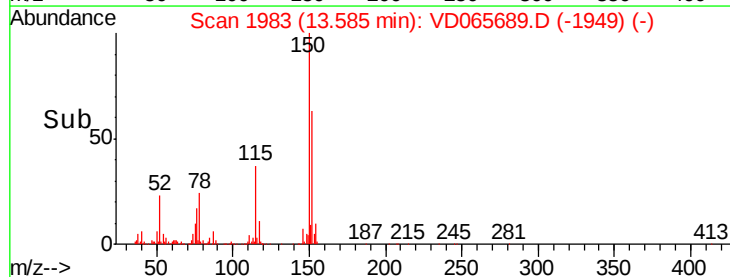
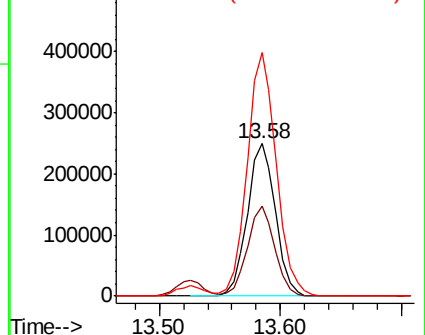
150 160.0 0.0 301.2

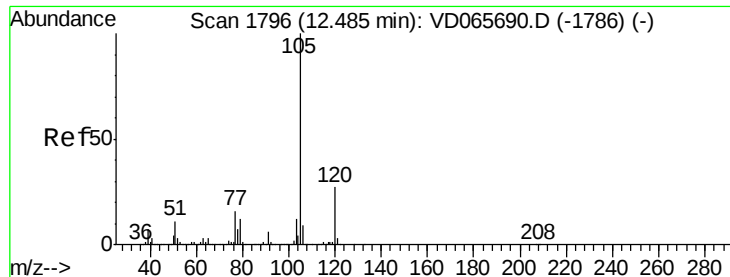


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.365 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

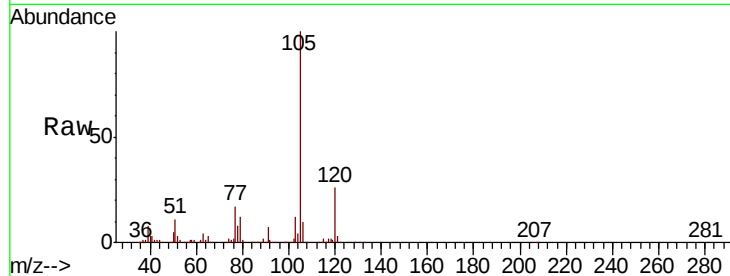
ClientSampleId :

Tot Ion:105 Resp: 493883

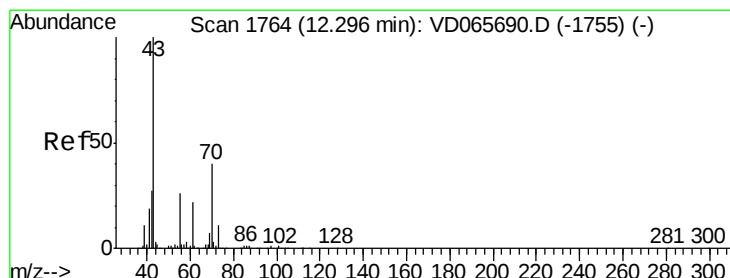
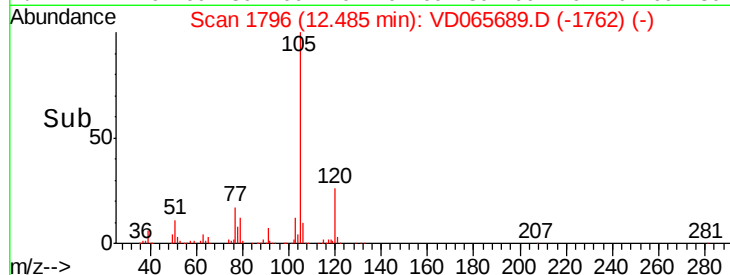
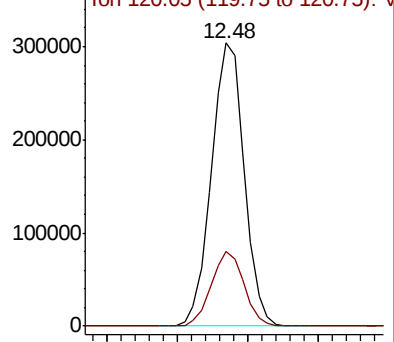
Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V



#74

N-ethyl acetate

Concen: 16.401 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Tgt Ion: 43 Resp: 111369

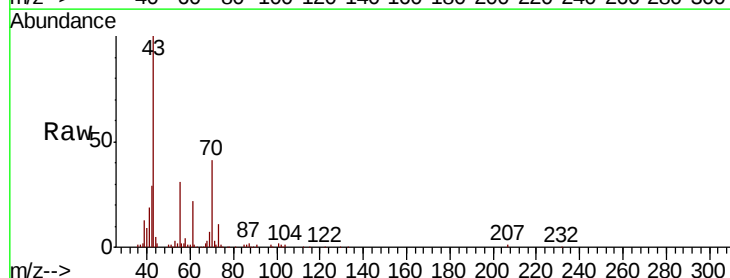
Ion Ratio Lower Upper

43 100

70 40.9 32.0 48.0

55 30.6 20.4 30.6#

61 22.4 17.6 26.4

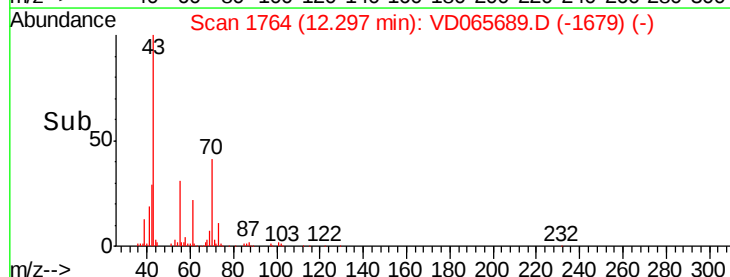
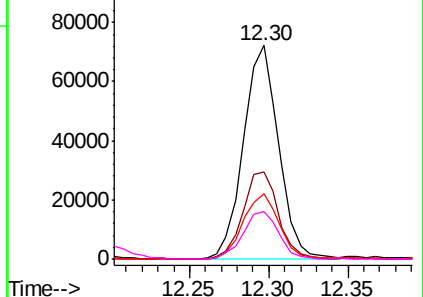


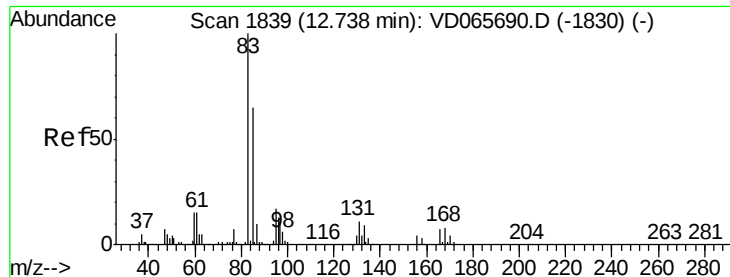
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.521 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

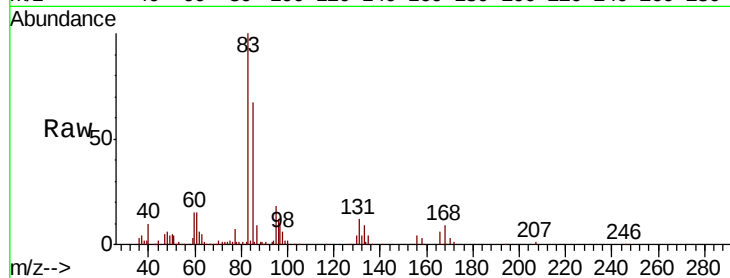
Tot Ion: 83 Resp: 95427

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.5

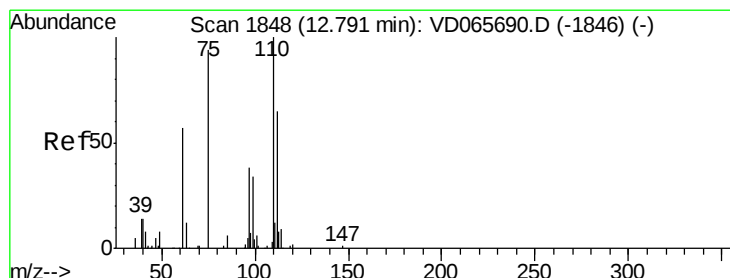
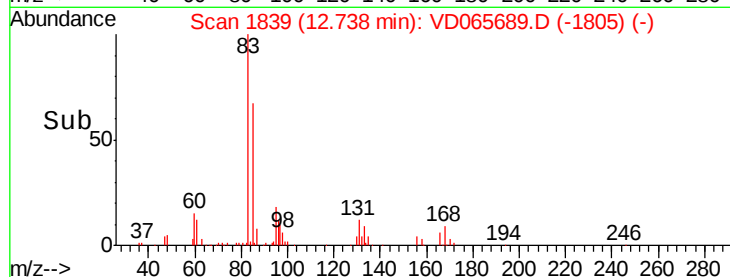
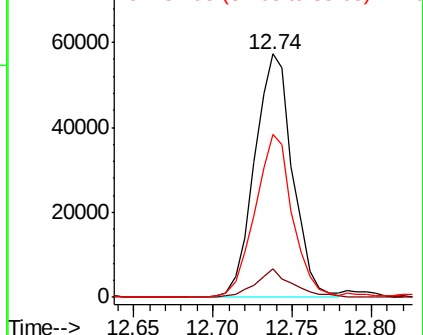
85 67.0 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 25.938 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065689.D

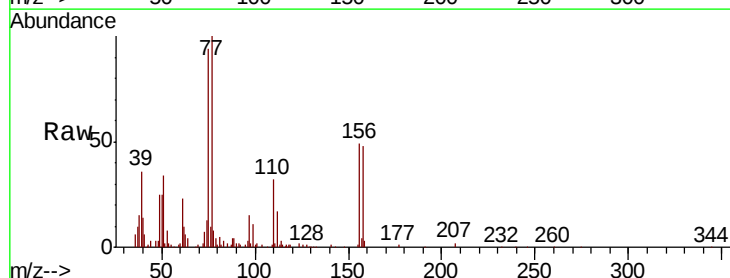
Acq: 01 May 2020 18:46

Tgt Ion: 75 Resp: 123643

Ion Ratio Lower Upper

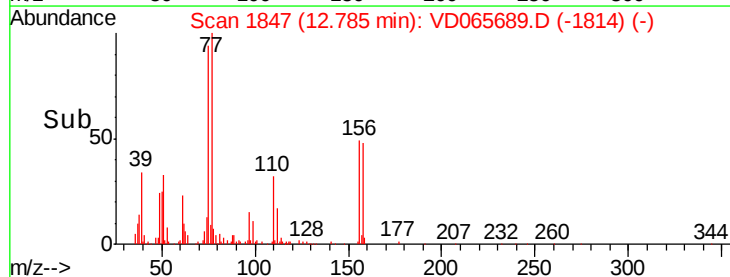
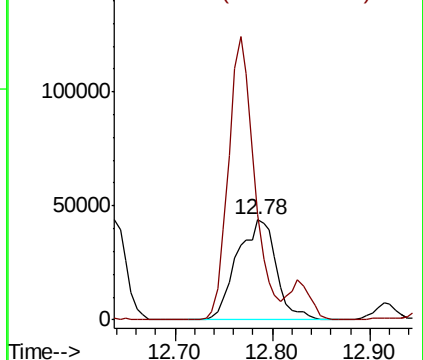
75 100

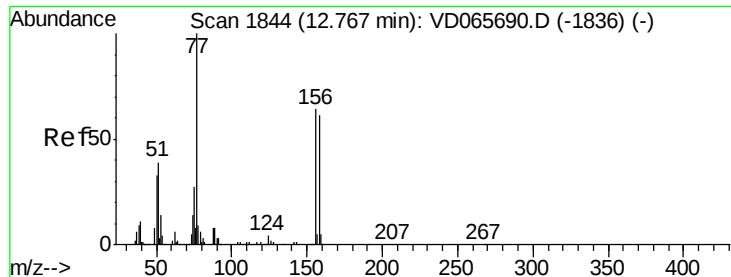
77 106.3 28.7 86.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.510 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

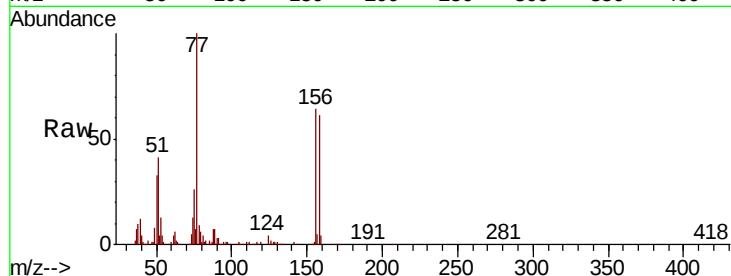
Tot Ion:156 Resp: 132639

Ion Ratio Lower Upper

156 100

77 156.2 78.4 235.2

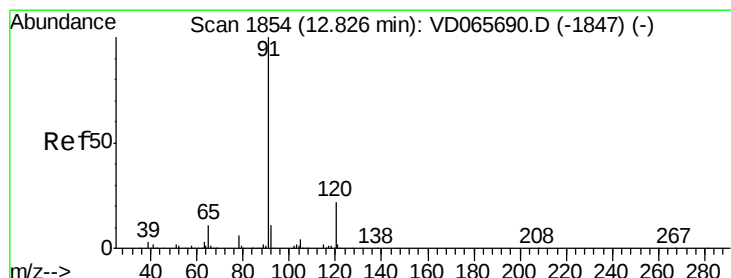
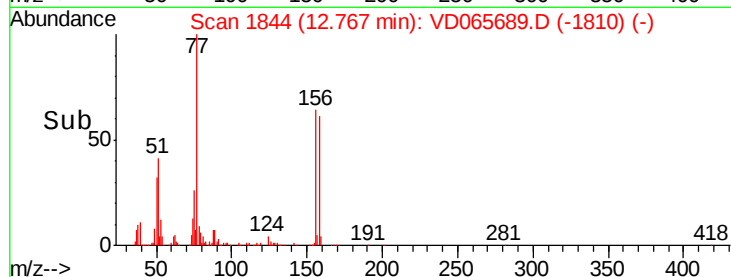
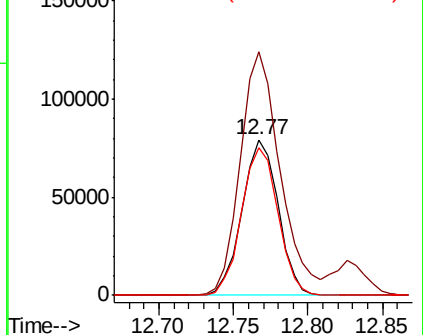
158 94.9 47.6 142.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.573 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065689.D

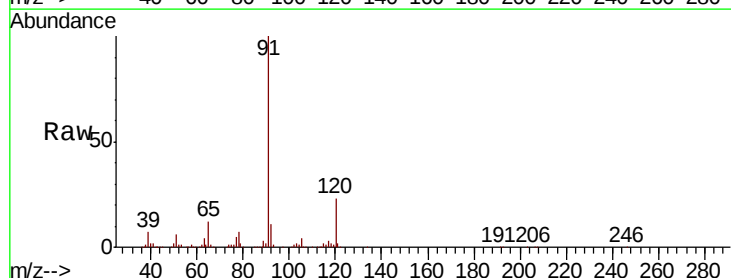
Acq: 01 May 2020 18:46

Tgt Ion: 91 Resp: 610926

Ion Ratio Lower Upper

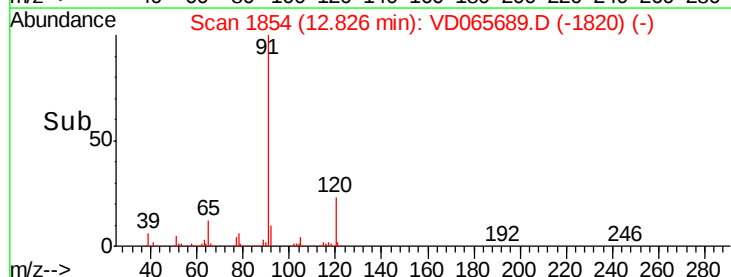
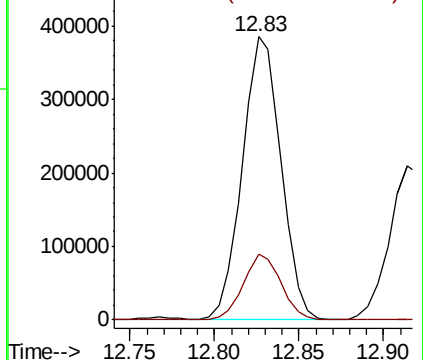
91 100

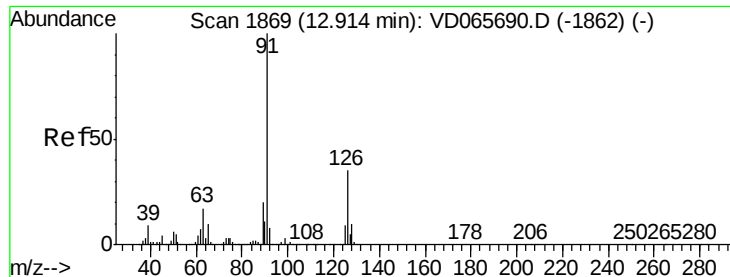
120 23.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

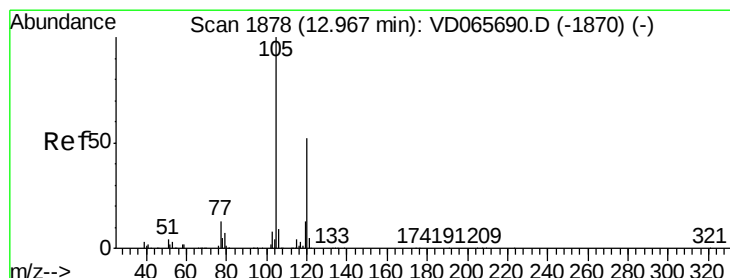
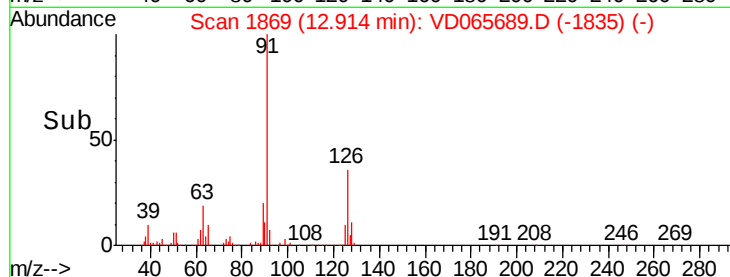
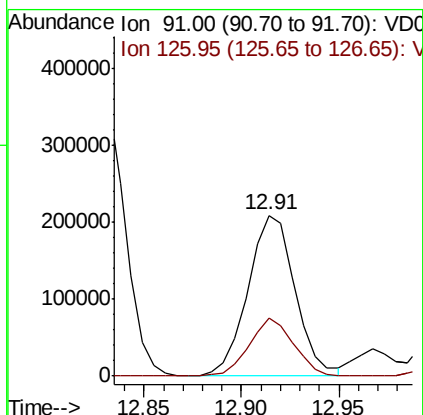
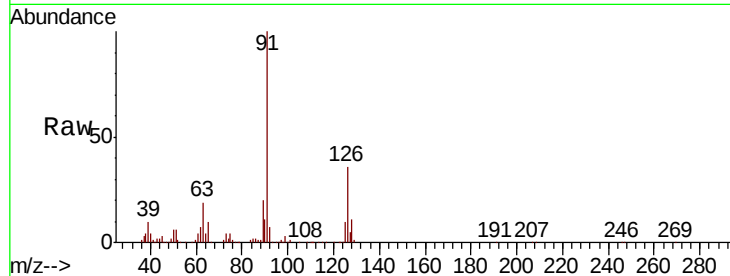




#79
2-Chlorotoluene
Concen: 18.752 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

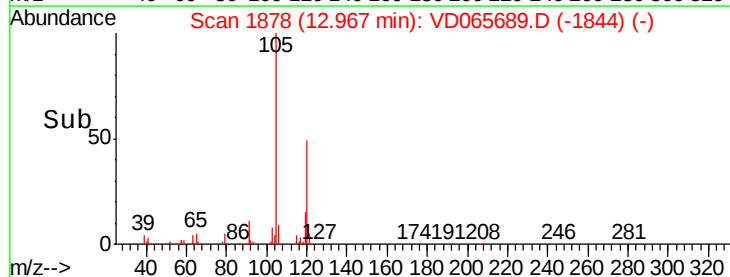
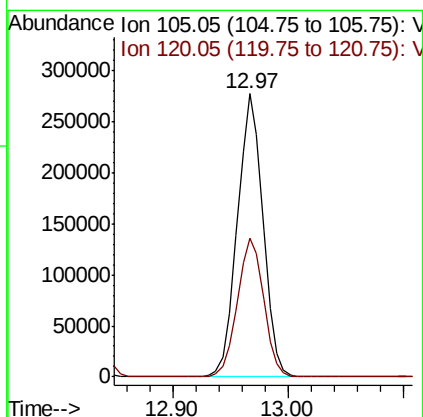
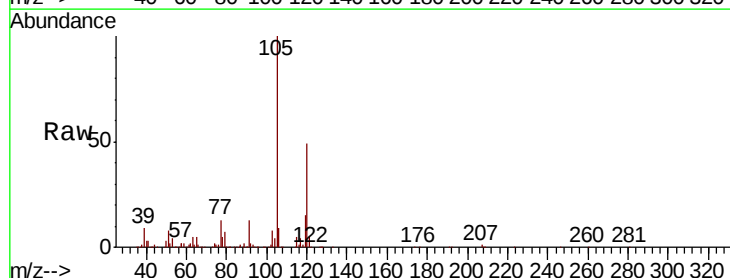
Instrument :
MSVOA_D
ClientSampled :

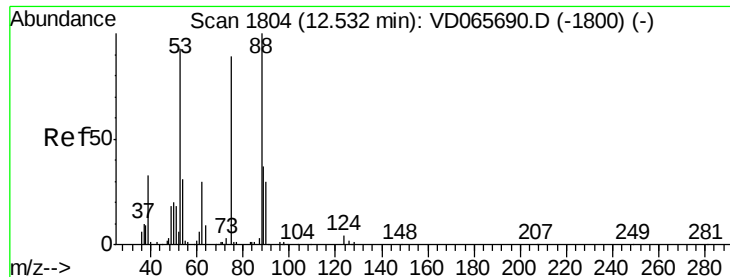
Tot Ion: 91 Resp: 348442
Ion Ratio Lower Upper
91 100
126 36.0 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 19.598 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 105 Resp: 425351
Ion Ratio Lower Upper
105 100
120 49.0 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.423 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampled :

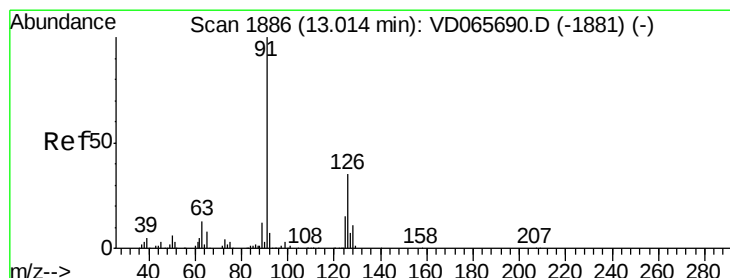
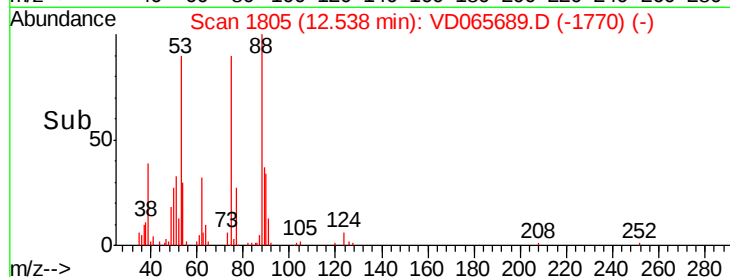
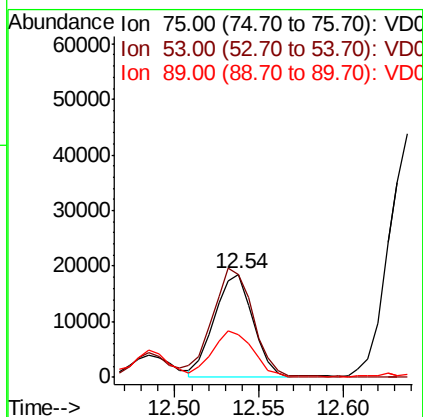
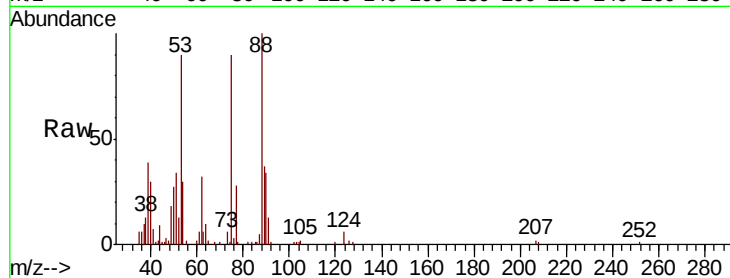
Tot Ion: 75 Resp: 29996

Ion Ratio Lower Upper

75 100

53 99.7 84.0 126.0

89 40.8 35.5 53.3



#82

4-Chlorotoluene

Concen: 18.626 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065689.D

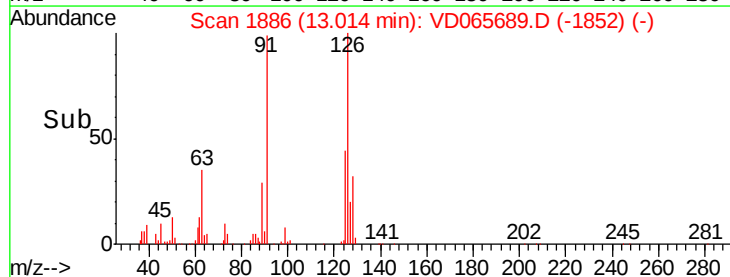
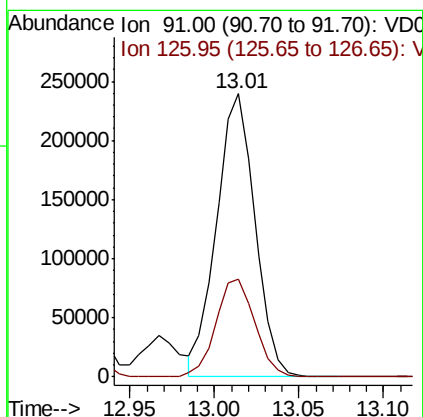
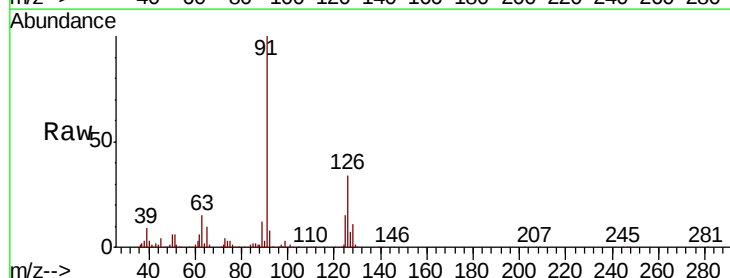
Acq: 01 May 2020 18:46

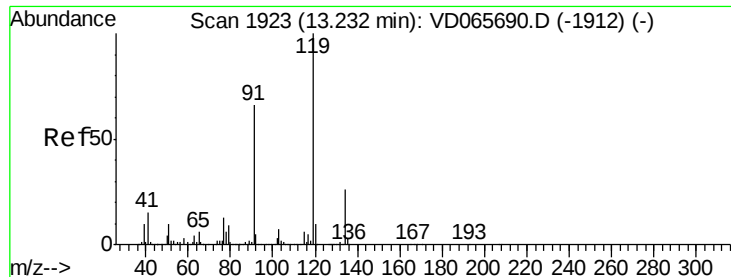
Tgt Ion: 91 Resp: 378780

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.7

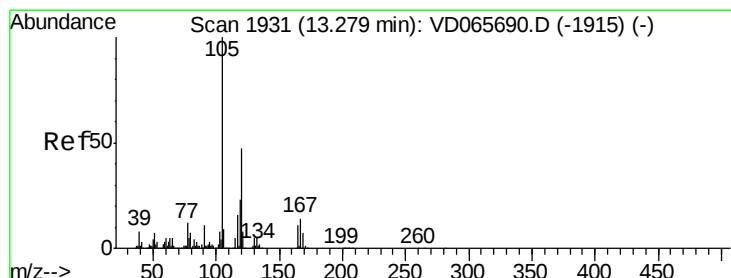
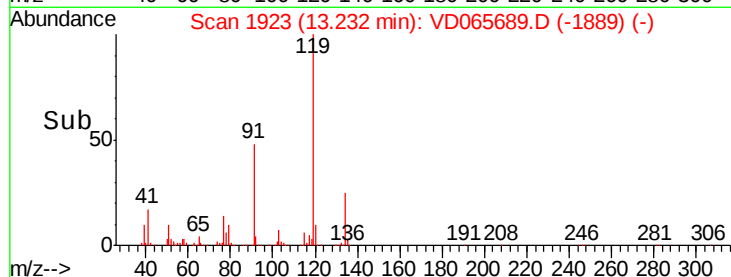
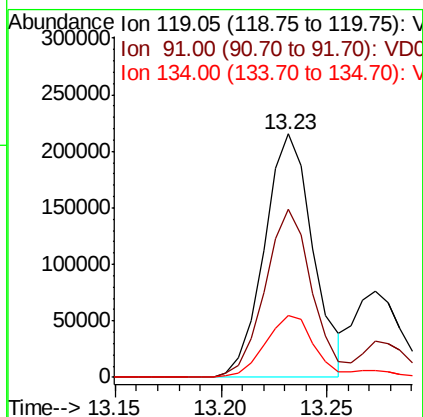
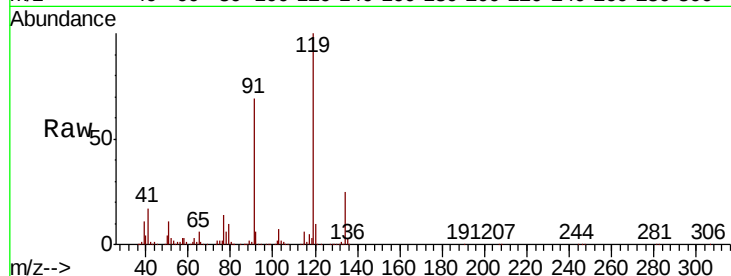




#83
 tert-Butylbenzene
 Concen: 14.552 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

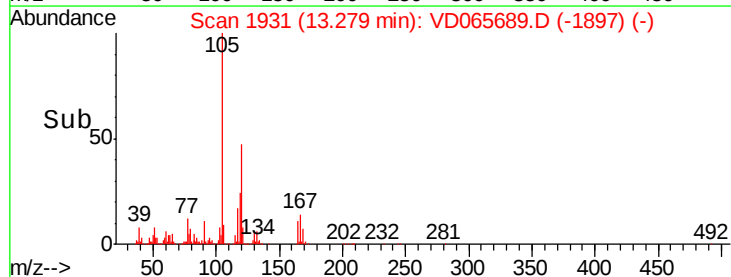
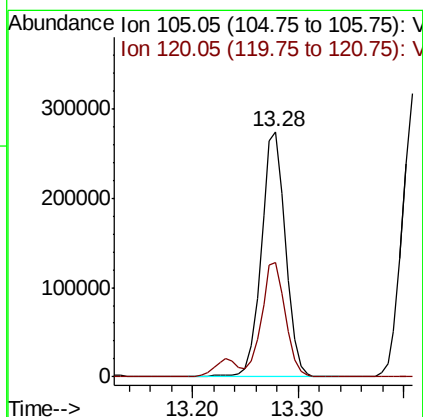
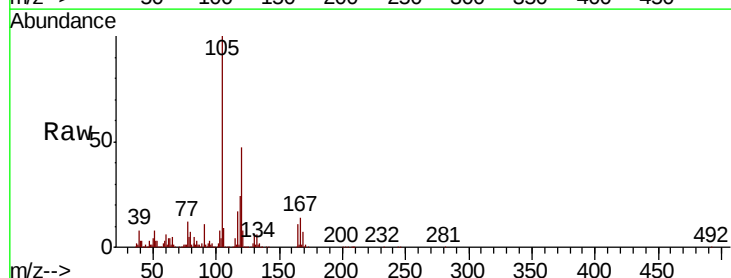
Instrument :
 MSVOA_D
 ClientSampleId :

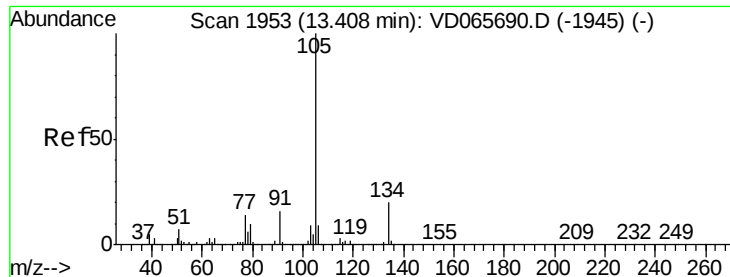
Tot Ion:119 Resp: 345468
 Ion Ratio Lower Upper
 119 100
 91 69.2 32.9 98.7
 134 25.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.302 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion:105 Resp: 437194
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 18.830 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

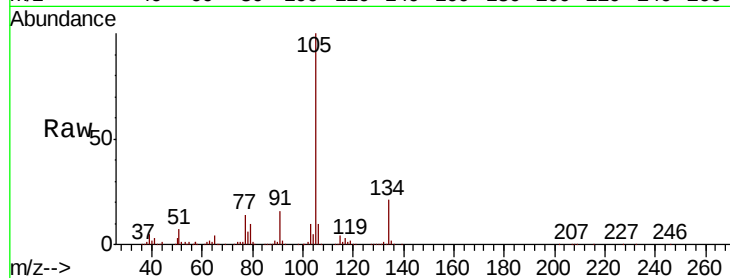
ClientSampleId :

Tot Ion:105 Resp: 503485

Ion Ratio Lower Upper

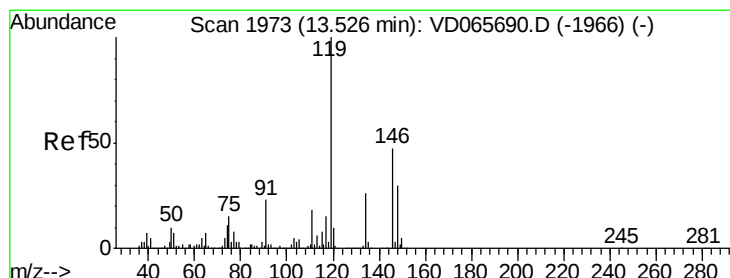
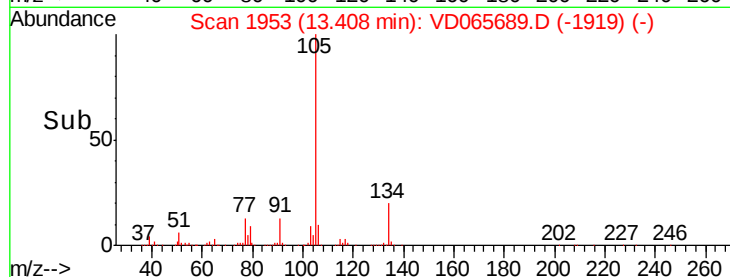
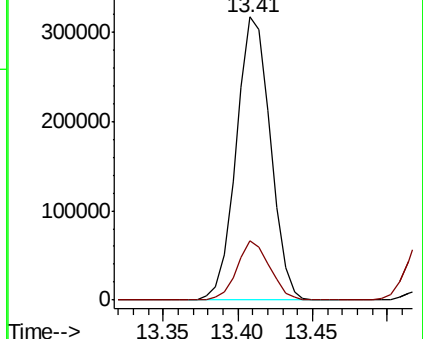
105 100

134 21.0 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.518 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

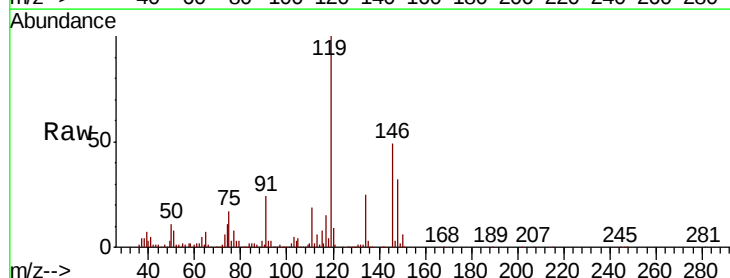
Tgt Ion:119 Resp: 466831

Ion Ratio Lower Upper

119 100

134 25.1 13.1 39.3

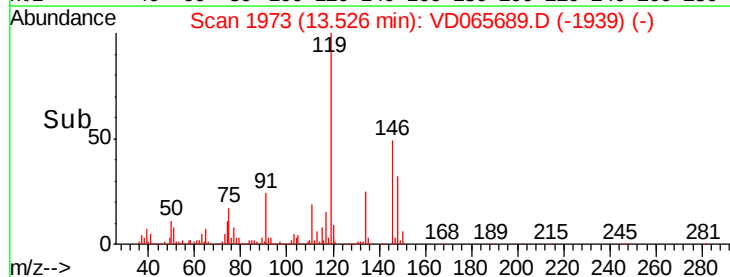
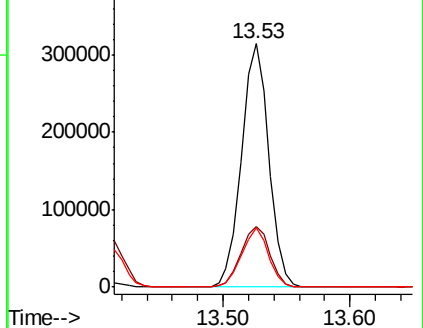
91 24.2 11.7 35.1

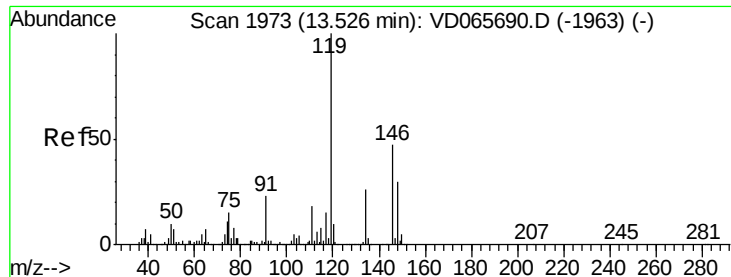


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.100 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065689.D

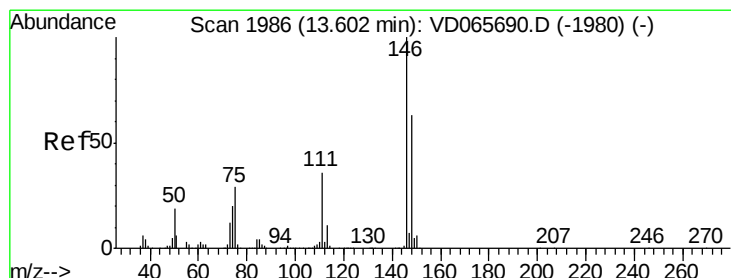
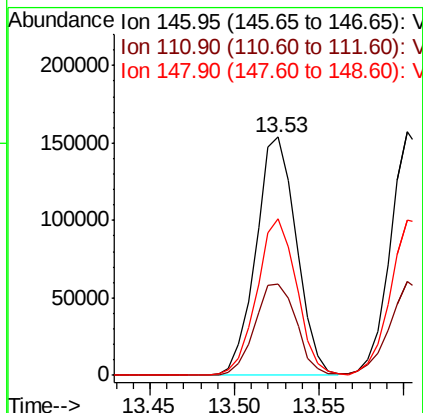
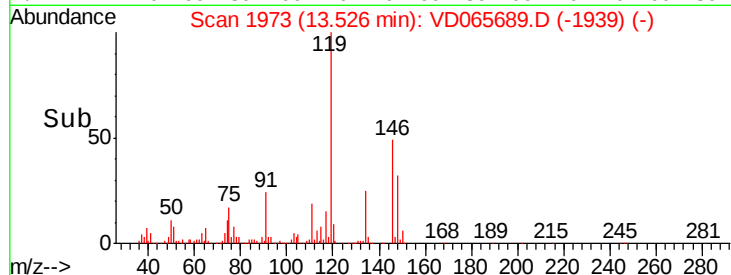
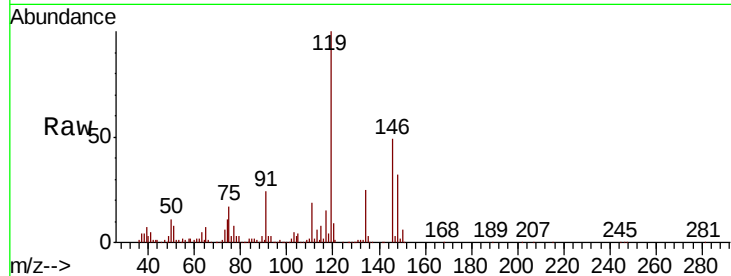
Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	256272
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	65.8	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 20.803 ug/l

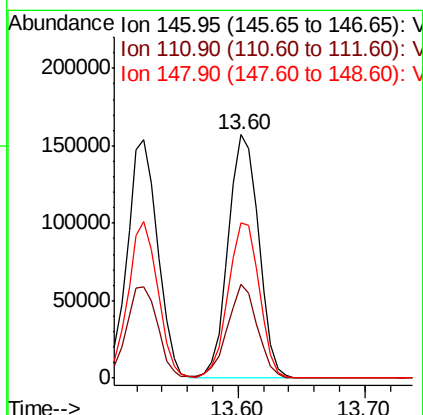
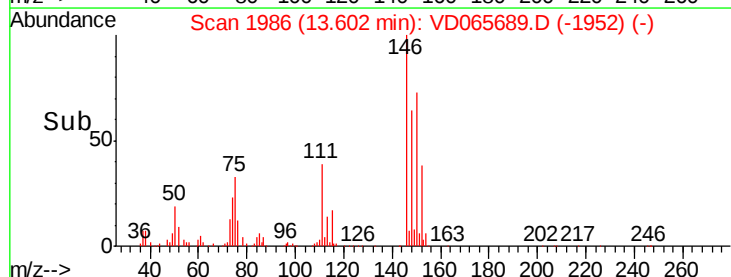
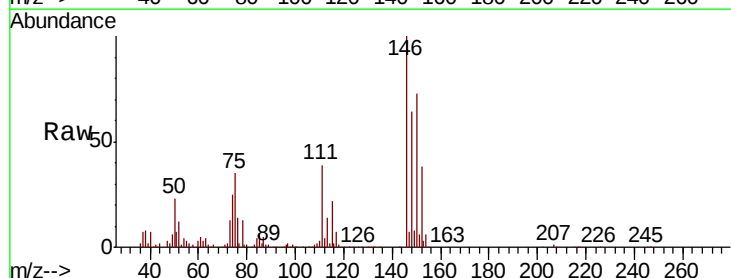
RT: 13.60 min Scan# 1986

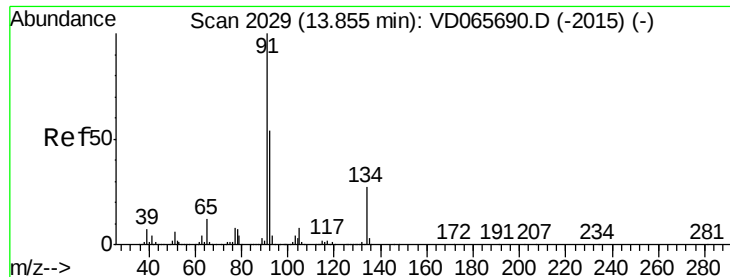
Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Tgt Ion:	146	Resp:	261275
Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.3	54.9
148	63.8	31.6	94.8

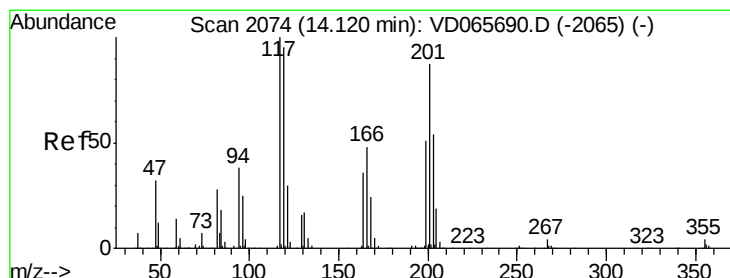
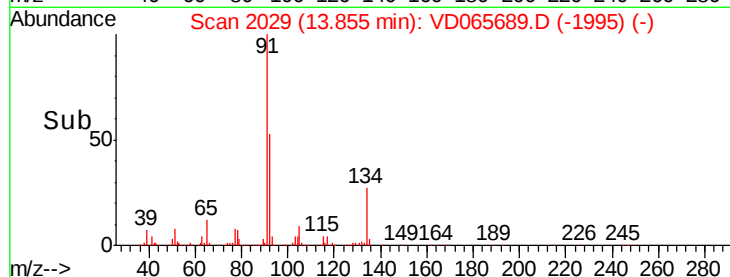
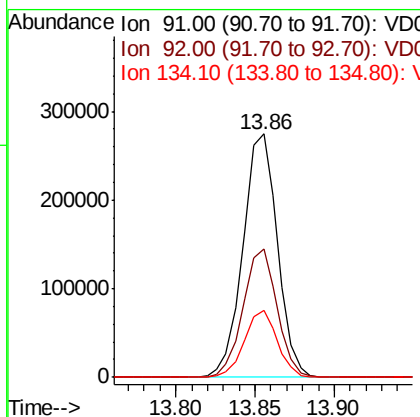
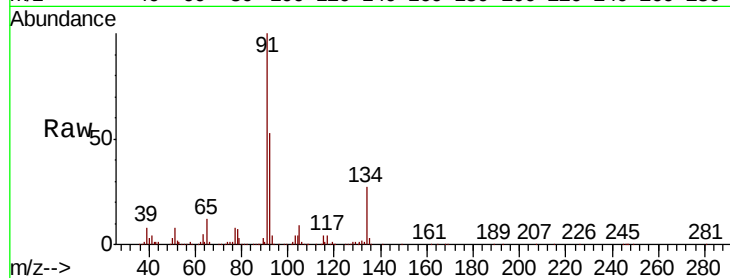




#89
n-Butylbenzene
Concen: 19.116 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

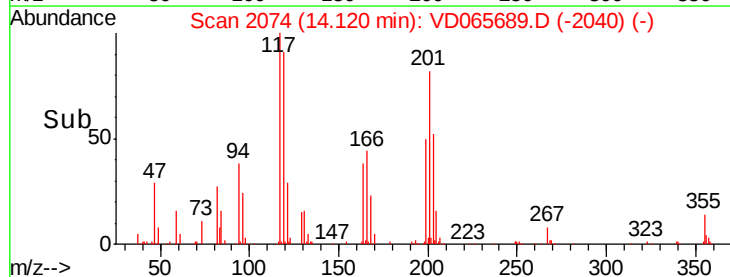
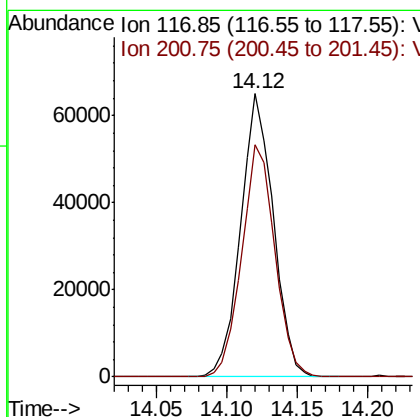
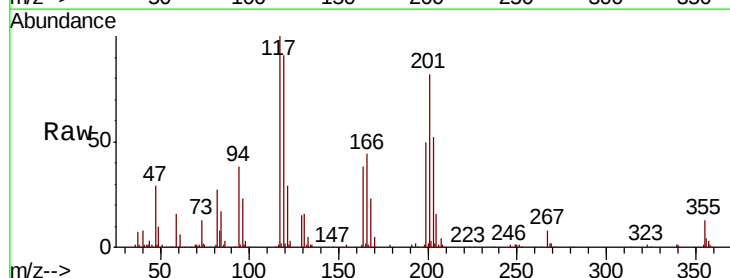
Instrument :
MSVOA_D
ClientSampleId :

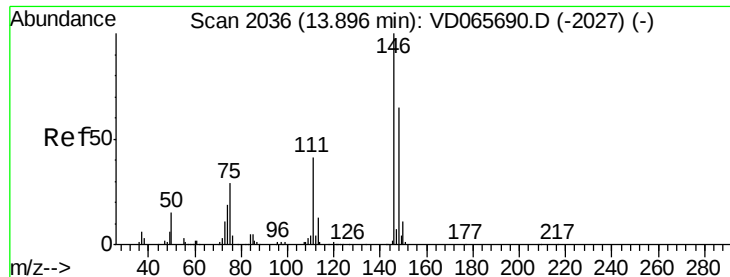
Tot Ion: 91 Resp: 415581
Ion Ratio Lower Upper
91 100
92 53.0 27.0 81.0
134 27.3 13.5 40.5



#90
Hexachloroethane
Concen: 16.974 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065689.D
Acq: 01 May 2020 18:46

Tgt Ion: 117 Resp: 105197
Ion Ratio Lower Upper
117 100
201 81.8 43.7 131.1

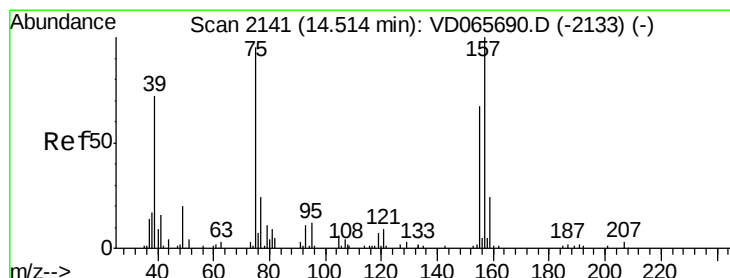
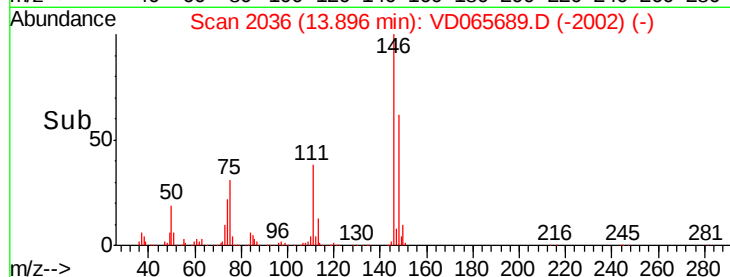
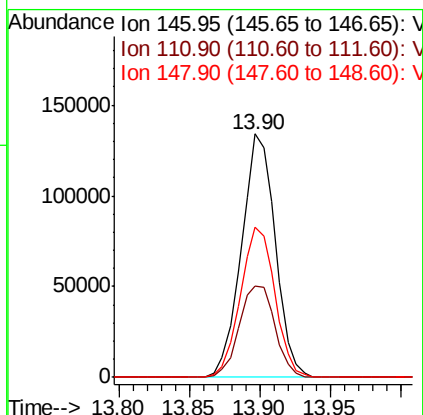
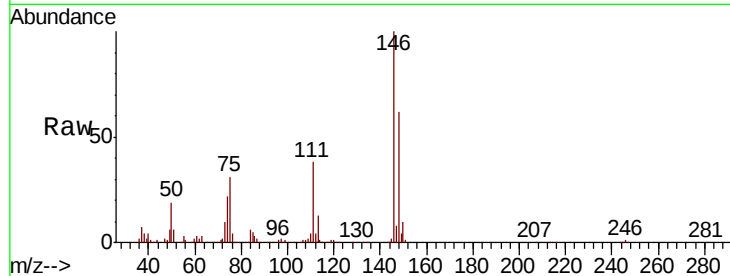




#91
 1,2-Dichlorobenzene
 Concen: 20.142 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

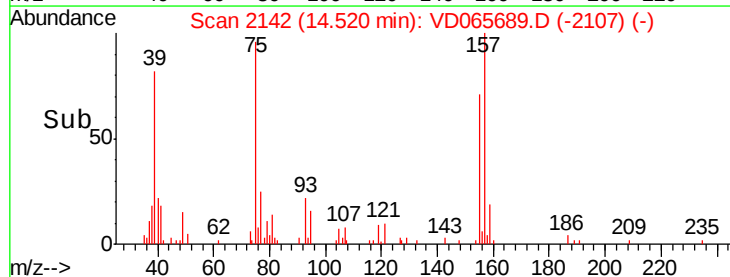
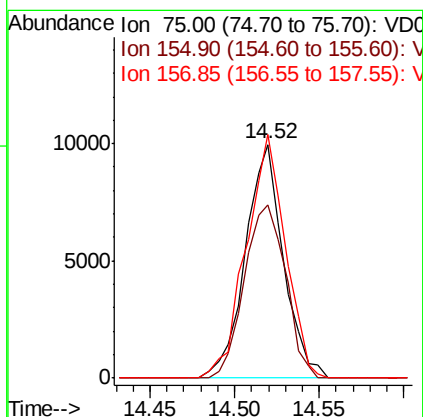
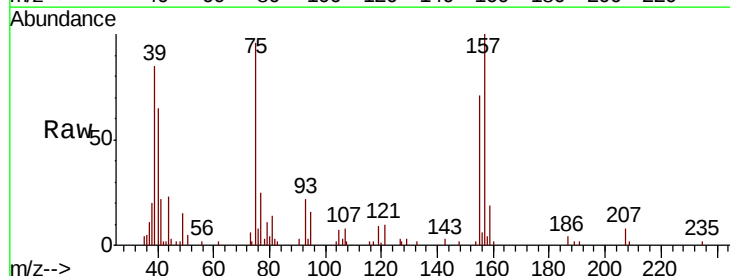
Instrument :
 MSVOA_D
 ClientSampleId :

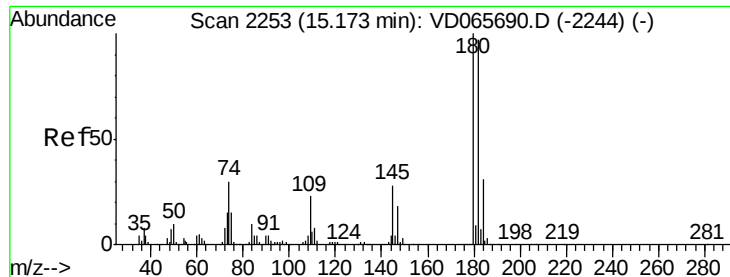
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.3	60.8
148	61.6	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.899 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.4	106.3
157	104.1	52.6	157.8

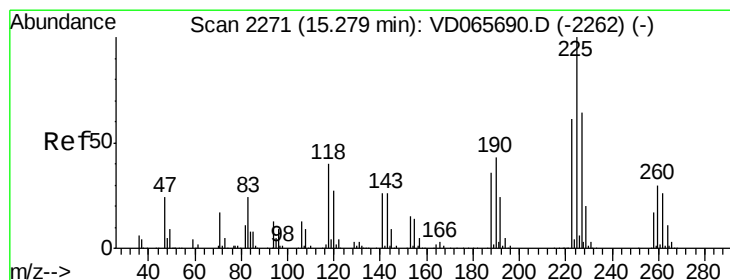
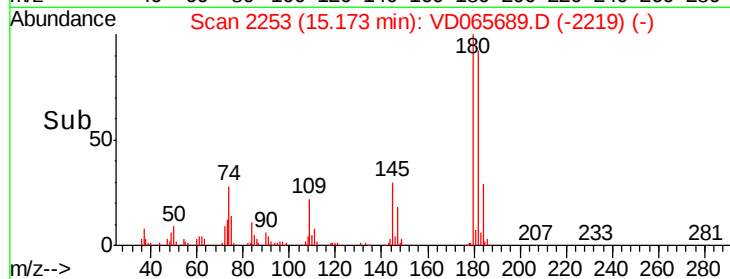
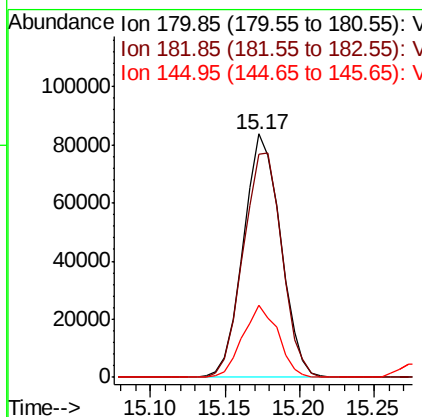
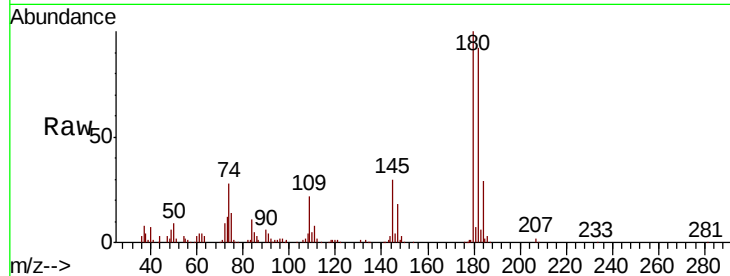




#93
 1,2,4-Trichlorobenzene
 Concen: 23.494 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

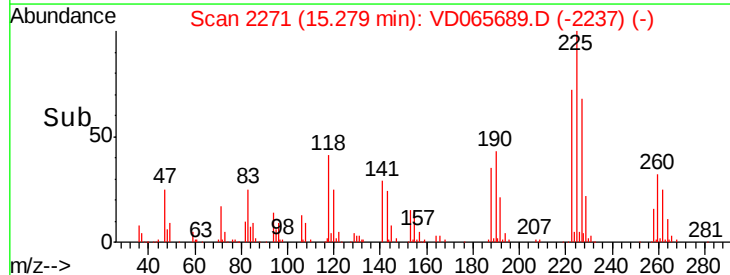
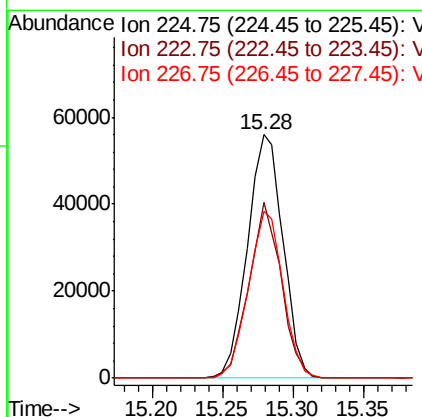
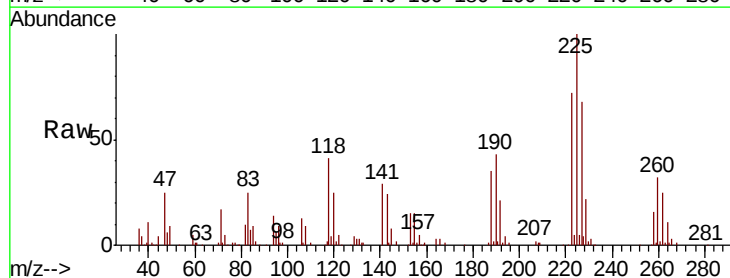
Instrument :
 MSVOA_D
 ClientSampleID :

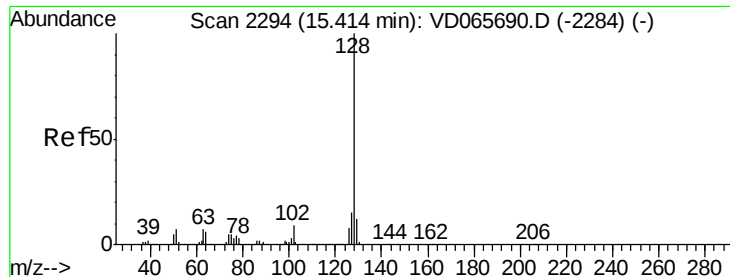
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.5	145.5
145	29.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 22.093 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065689.D
 Acq: 01 May 2020 18:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.3	30.4	91.3
227	68.3	32.0	96.0





#95

Naphthalene

Concen: 20.711 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

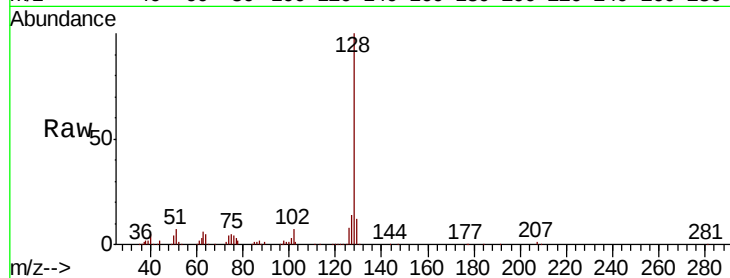
Tot Ion:128 Resp: 206800

Ion Ratio Lower Upper

128 100

127 13.6 11.8 17.6

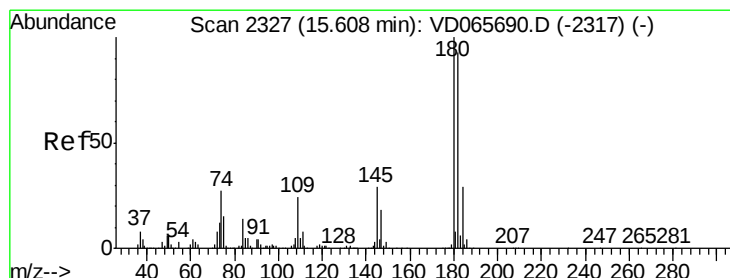
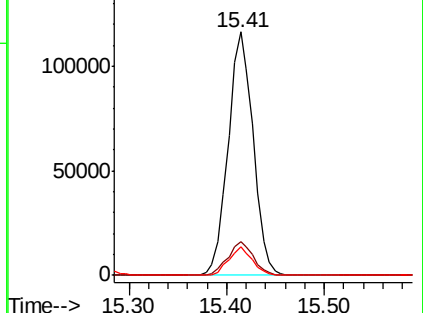
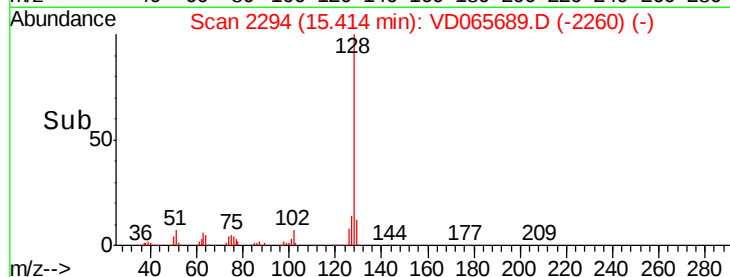
129 11.8 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 32.146 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065689.D

Acq: 01 May 2020 18:46

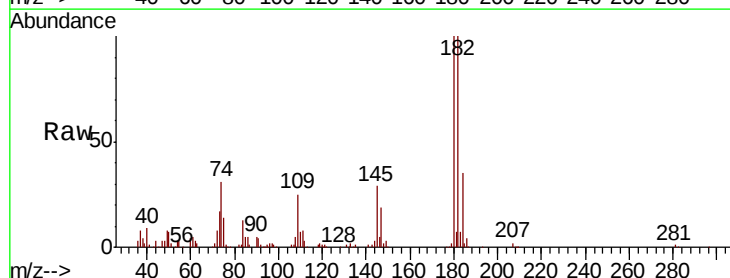
Tgt Ion:180 Resp: 124261

Ion Ratio Lower Upper

180 100

182 100.4 46.6 139.7

145 29.4 14.5 43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

