

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072640.D
 Acq On : 20 Apr 2022 11:54
 Operator : VA/SY
 Sample : VD0420SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0420SBL01

Quant Time: Apr 20 14:47:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

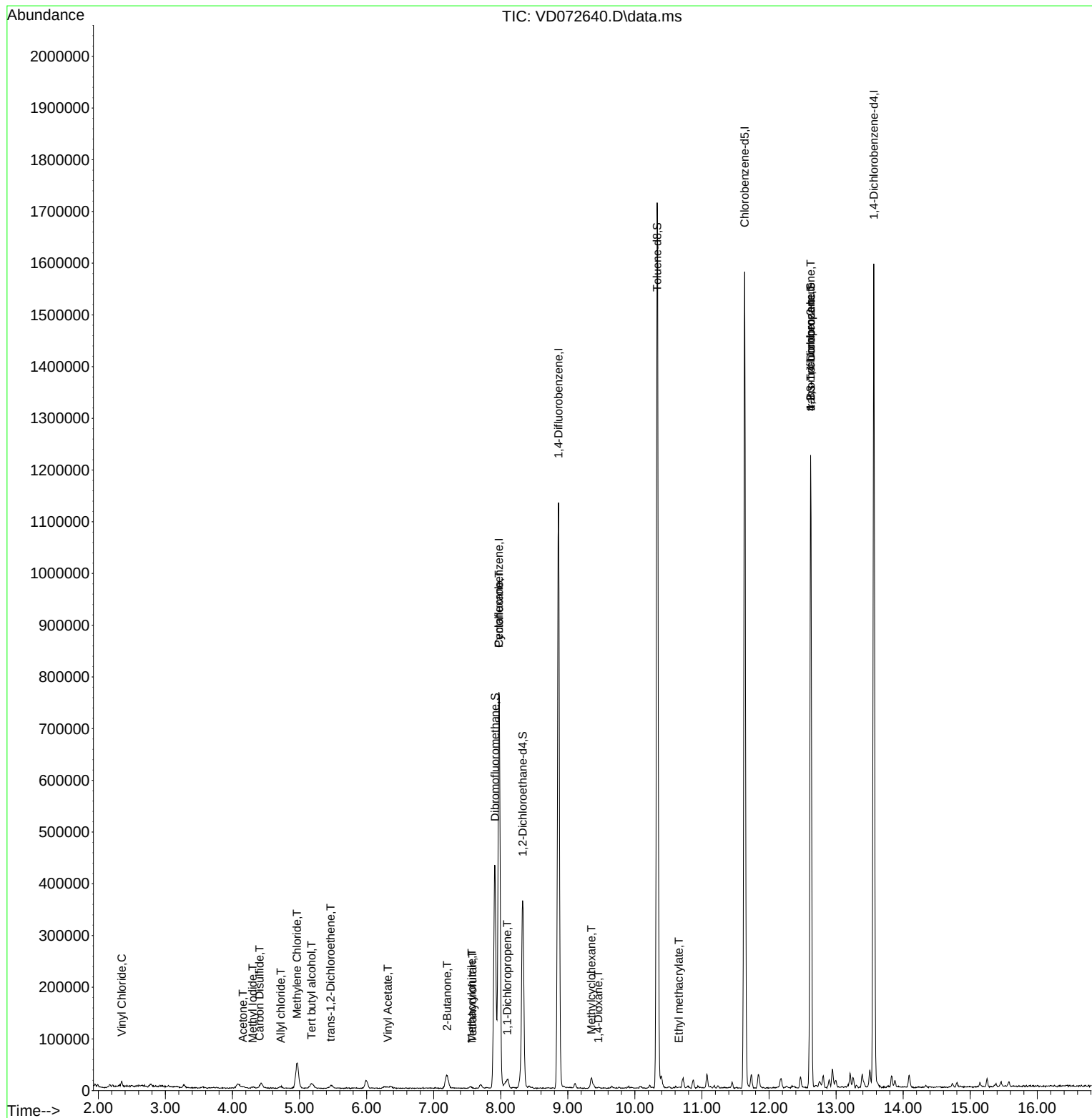
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	552612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	979863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	910754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	409960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	294518	44.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.120%
35) Dibromofluoromethane	7.914	113	308311	40.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.980%
50) Toluene-d8	10.332	98	1173003	44.315	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.620	95	409495	39.612	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.220%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.350	62	2640	1.506	ug/l	97
10) Methyl Iodide	4.303	142	3538	4.284	ug/l #	88
11) Tert butyl alcohol	5.179	59	9478	26.848	ug/l #	76
14) Allyl chloride	4.721	41	2105	1.363	ug/l #	50
16) Acetone	4.156	43	6172	4.951	ug/l #	69
17) Carbon Disulfide	4.403	76	7768	4.296	ug/l	99
20) Methylene Chloride	4.962	84	39193	5.281	ug/l #	83
21) trans-1,2-Dichloroethene	5.462	96	1583	1.011	ug/l #	72
23) Vinyl Acetate	6.315	43	5515	6.790	ug/l	97
25) 2-Butanone	7.203	43	2629	1.525	ug/l #	85
29) Tetrahydrofuran	7.579	42	1120	1.076	ug/l #	80
31) Cyclohexane	7.973	56	17514	2.004	ug/l #	8
36) 1,1-Dichloropropene	8.097	75	5686	1.695	ug/l #	43
39) Methylcyclohexane	9.350	83	7497	3.500	ug/l	93
41) Methacrylonitrile	7.567	41	597	1.903	ug/l #	45
49) 1,4-Dioxane	9.456	88	187	4.050	ug/l #	48
56) Ethyl methacrylate	10.655	69	1138	1.344	ug/l #	80
76) 1,2,3-Trichloropropane	12.620	75	207261	46.354	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	207261	113.744	ug/l #	7

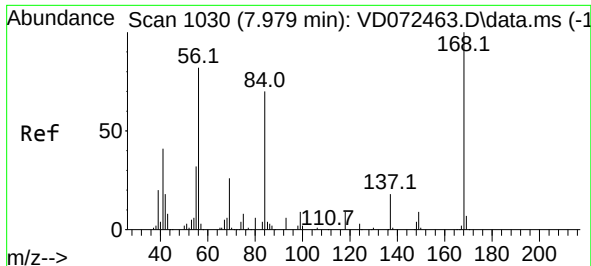
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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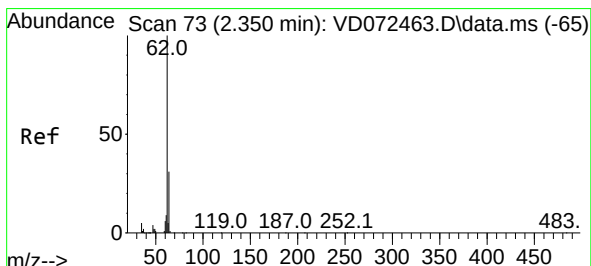
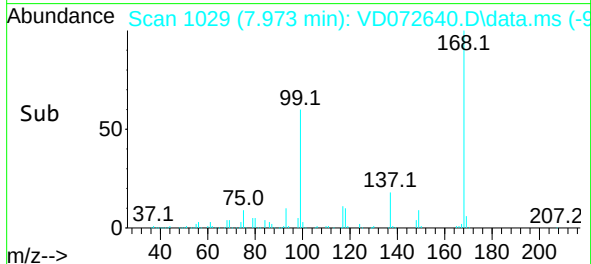
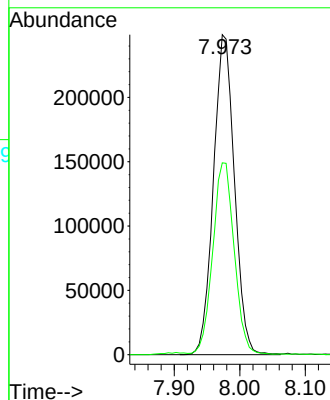
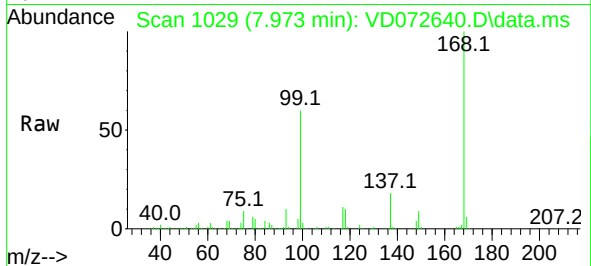




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

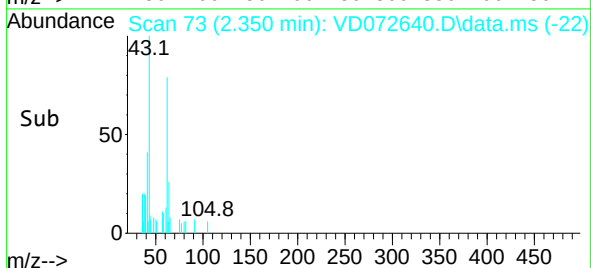
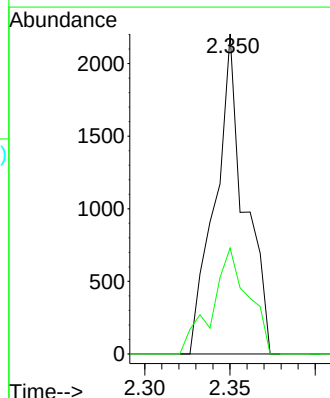
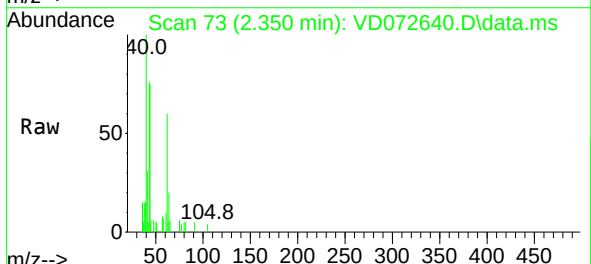
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

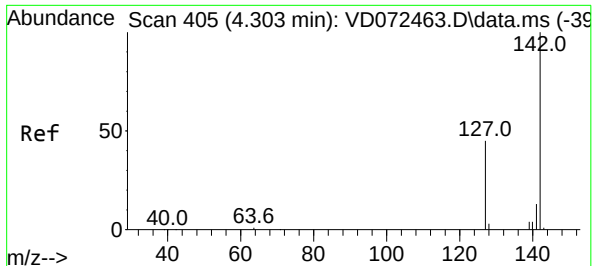
Tgt Ion:168 Resp: 552612
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#4
Vinyl Chloride
Concen: 1.506 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion: 62 Resp: 2640
Ion Ratio Lower Upper
62 100
64 33.1 25.4 38.0

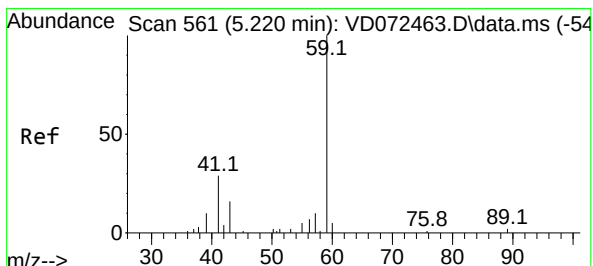
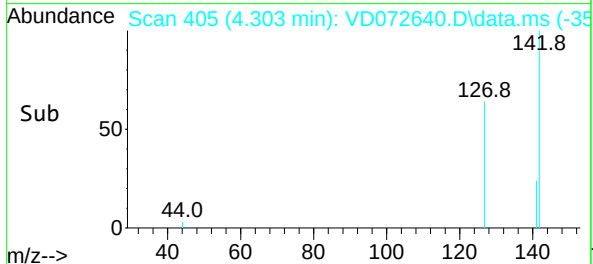
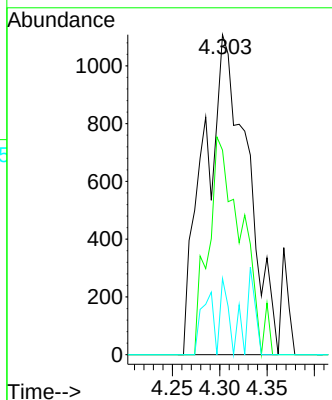
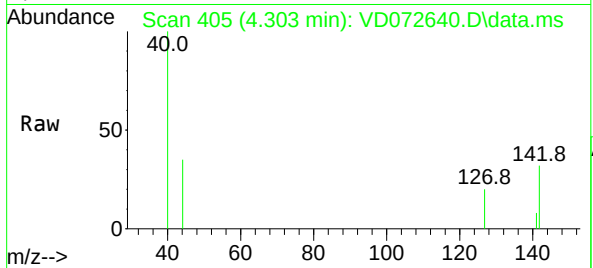




#10
Methyl Iodide
Concen: 4.284 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

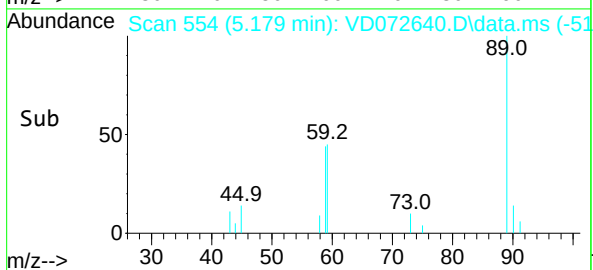
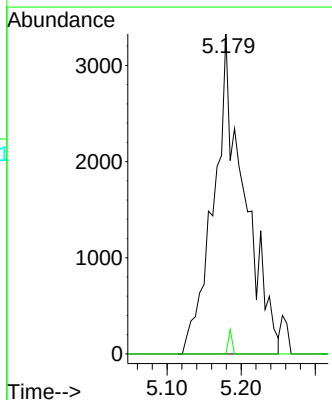
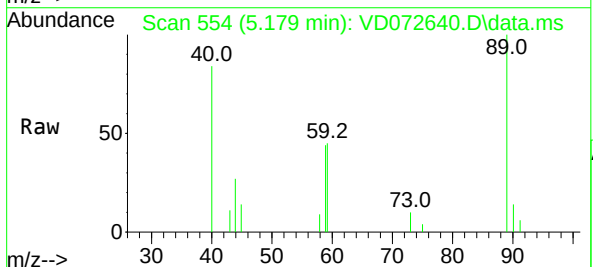
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

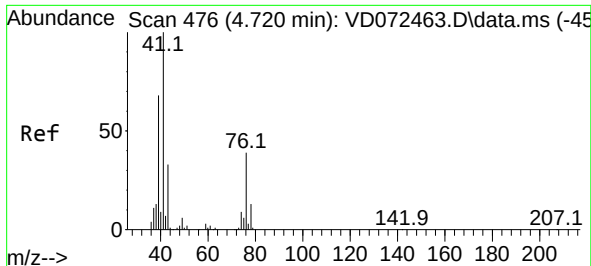
Tgt Ion:142 Resp: 3538
Ion Ratio Lower Upper
142 100
127 51.8 37.3 55.9
141 4.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 26.848 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion: 59 Resp: 9478
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.6#

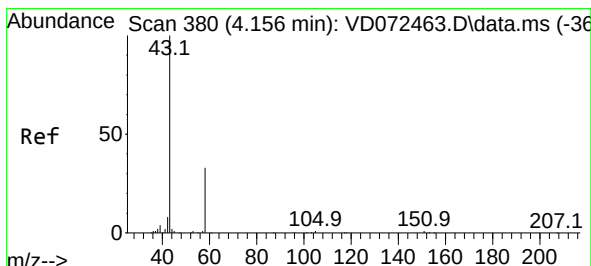
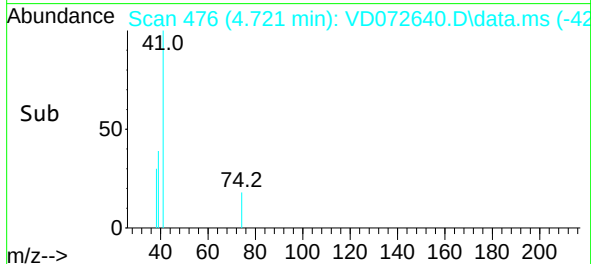
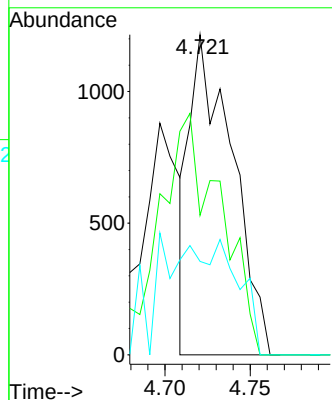
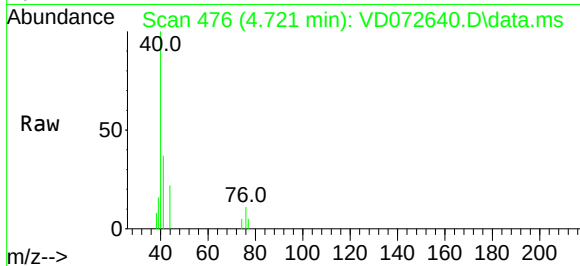




#14
 Allyl chloride
 Concen: 1.363 ug/l
 RT: 4.721 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VD072640.D
 Acq: 20 Apr 2022 11:54

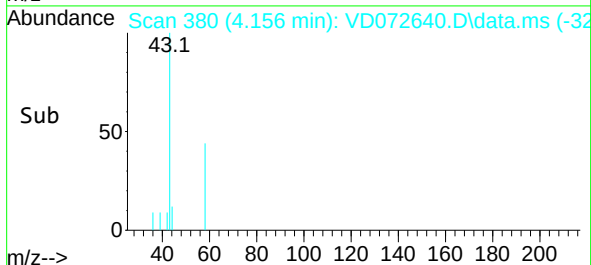
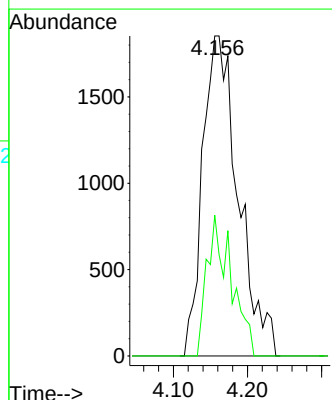
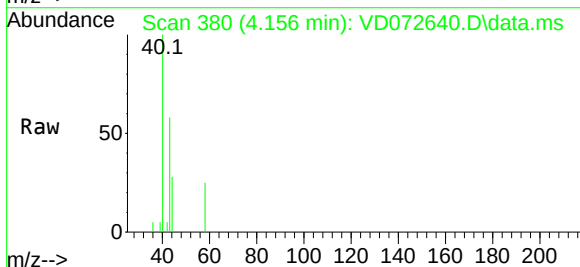
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0420SBL01

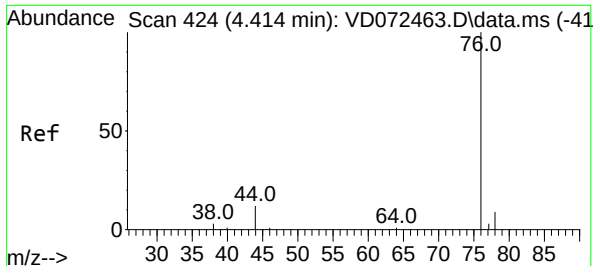
Tgt Ion: 41 Resp: 2105
 Ion Ratio Lower Upper
 41 100
 39 113.6 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 4.951 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: VD072640.D
 Acq: 20 Apr 2022 11:54

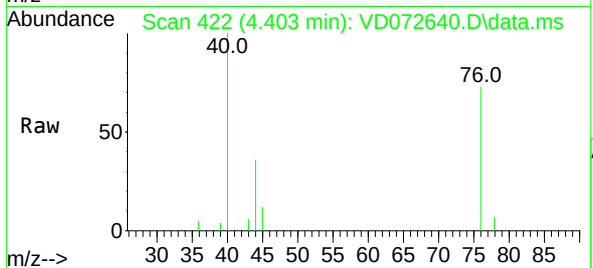
Tgt Ion: 43 Resp: 6172
 Ion Ratio Lower Upper
 43 100
 58 44.0 22.1 33.1#



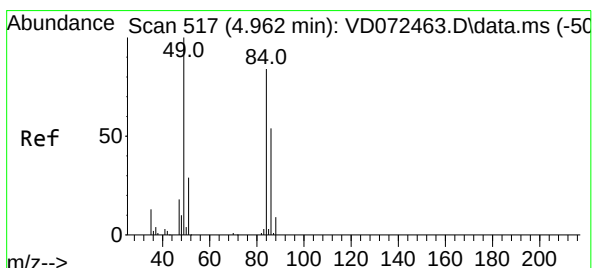
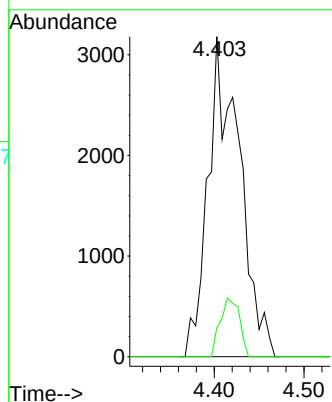
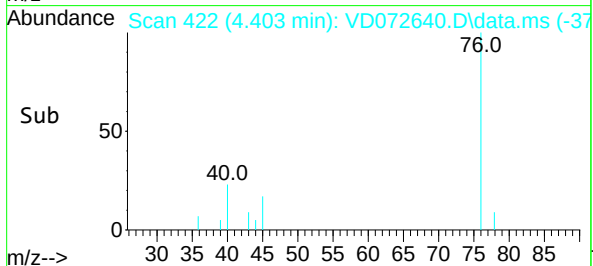


#17
Carbon Disulfide
Concen: 4.296 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

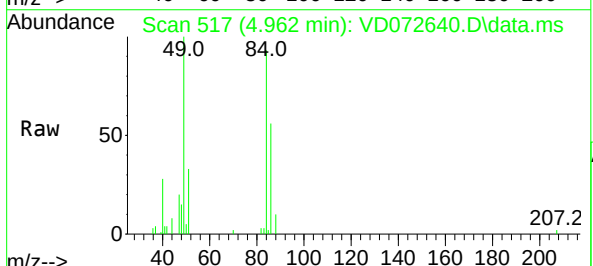
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01



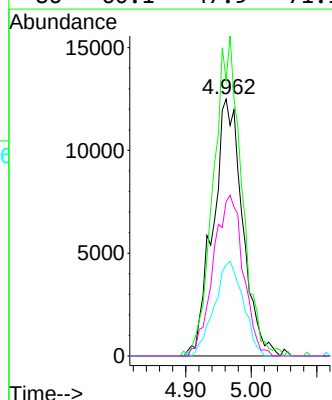
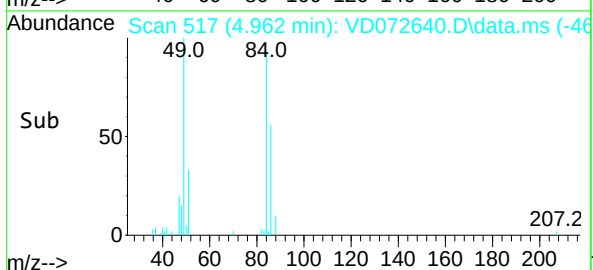
Tgt Ion: 76 Resp: 7768
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

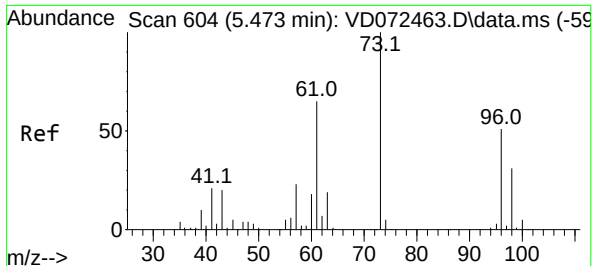


#20
Methylene Chloride
Concen: 5.281 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54



Tgt Ion: 84 Resp: 39193
Ion Ratio Lower Upper
84 100
49 107.5 112.8 169.2#
51 35.4 32.6 48.8
86 60.1 47.9 71.9





#21

trans-1,2-Dichloroethene

Concen: 1.011 ug/l

RT: 5.462 min Scan# 604

Delta R.T. -0.011 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0420SBL01

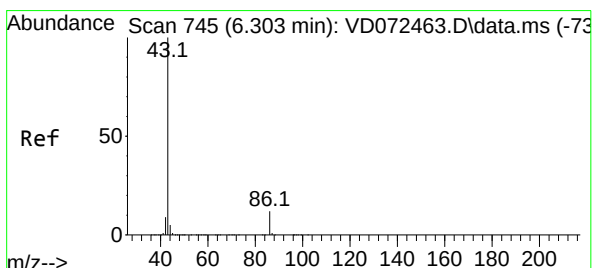
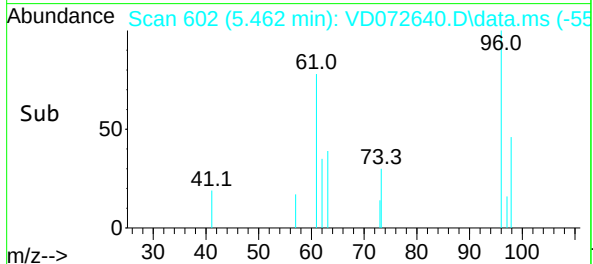
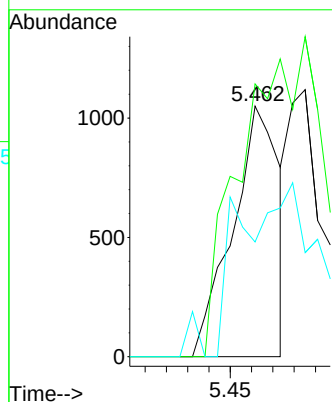
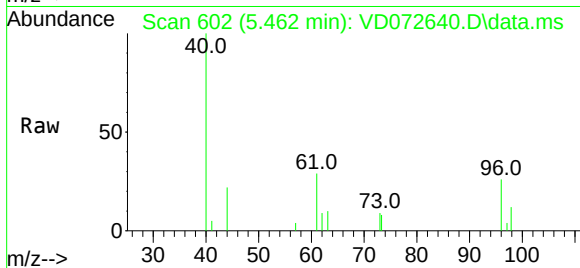
Tgt Ion: 96 Resp: 1583

Ion Ratio Lower Upper

96 100

61 108.9 117.9 176.9#

98 45.8 49.4 74.2#



#23

Vinyl Acetate

Concen: 6.790 ug/l

RT: 6.315 min Scan# 747

Delta R.T. 0.012 min

Lab File: VD072640.D

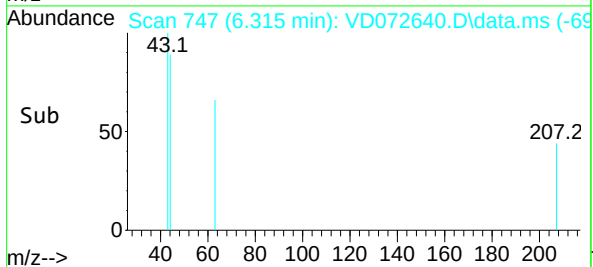
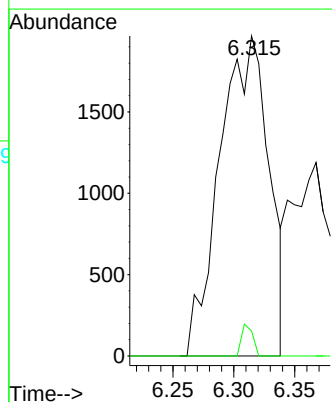
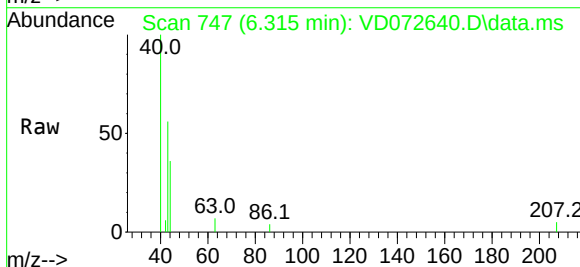
Acq: 20 Apr 2022 11:54

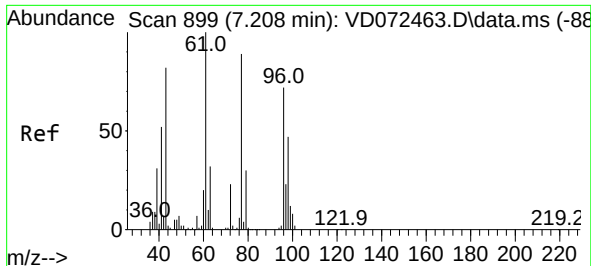
Tgt Ion: 43 Resp: 5515

Ion Ratio Lower Upper

43 100

86 7.8 7.1 10.7





#25

2-Butanone

Concen: 1.525 ug/l

RT: 7.203 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

Instrument :

MSVOA_D

ClientSampleId :

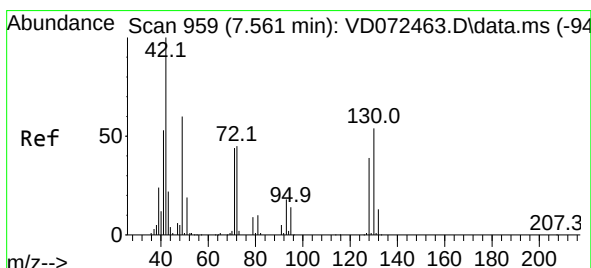
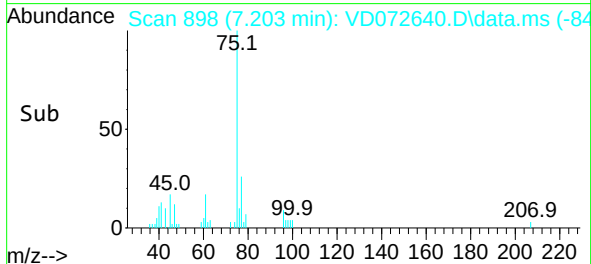
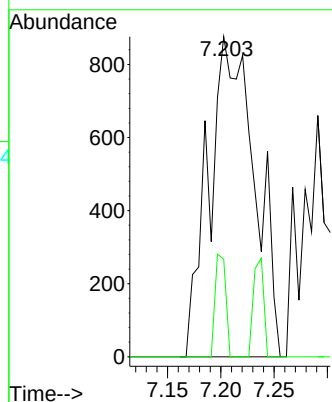
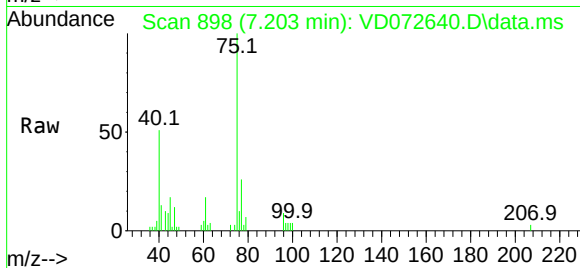
VD0420SBL01

Tgt Ion: 43 Resp: 2629

Ion Ratio Lower Upper

43 100

72 30.5 18.6 27.8#



#29

Tetrahydrofuran

Concen: 1.076 ug/l

RT: 7.579 min Scan# 962

Delta R.T. 0.018 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

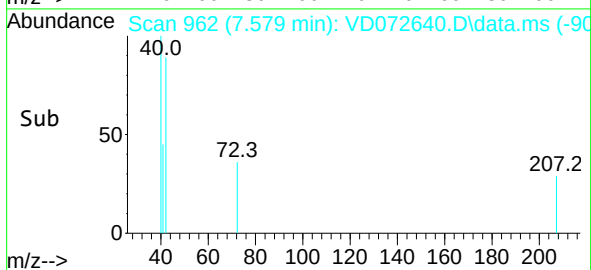
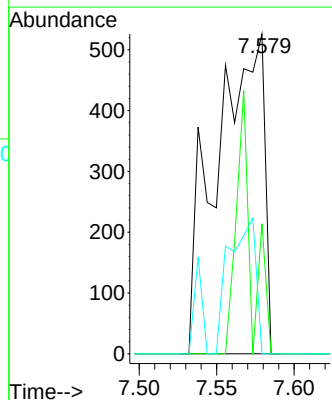
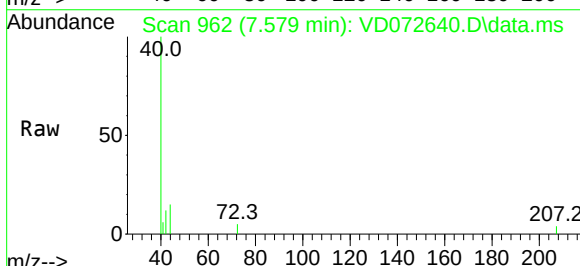
Tgt Ion: 42 Resp: 1120

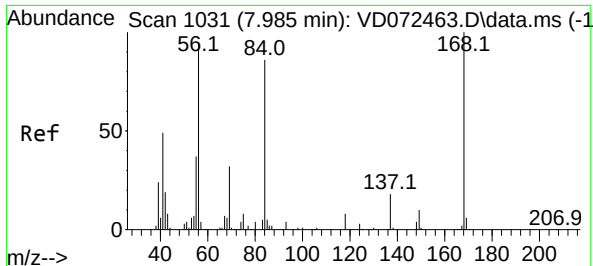
Ion Ratio Lower Upper

42 100

72 26.2 30.7 46.1#

71 24.0 28.6 43.0#





#31

Cyclohexane

Concen: 2.004 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0420SBL01

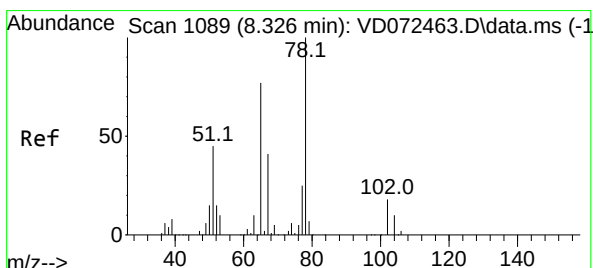
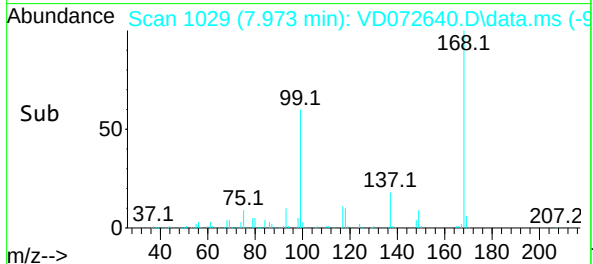
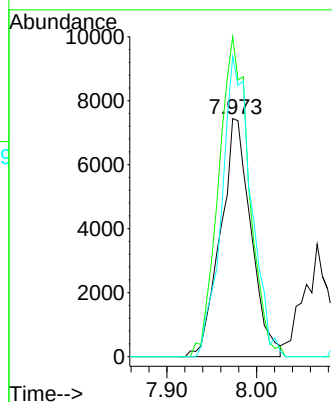
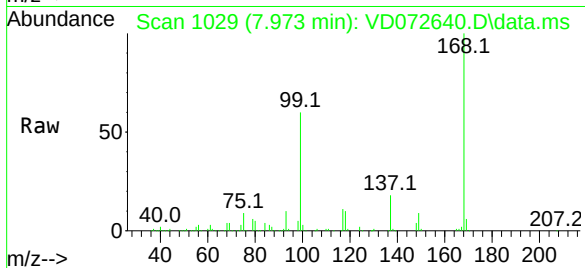
Tgt Ion: 56 Resp: 17514

Ion Ratio Lower Upper

56 100

69 134.4 25.4 38.2#

84 126.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 44.057 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072640.D

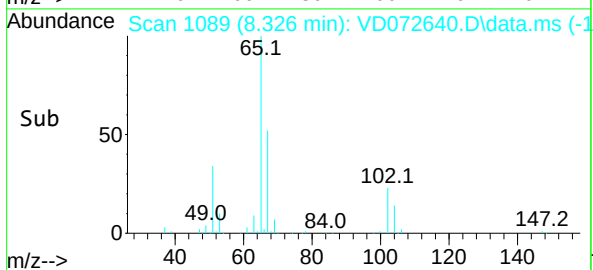
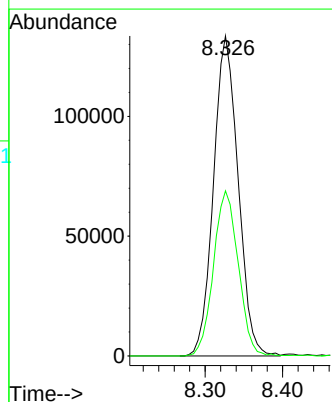
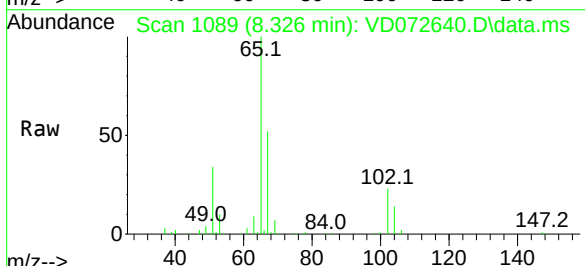
Acq: 20 Apr 2022 11:54

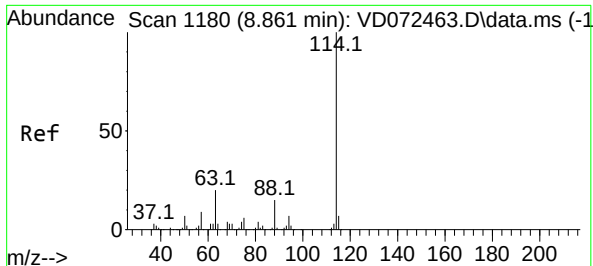
Tgt Ion: 65 Resp: 294518

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0420SBL01

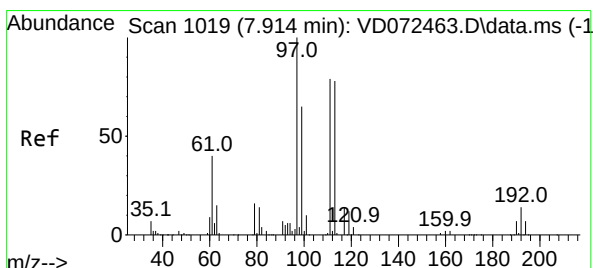
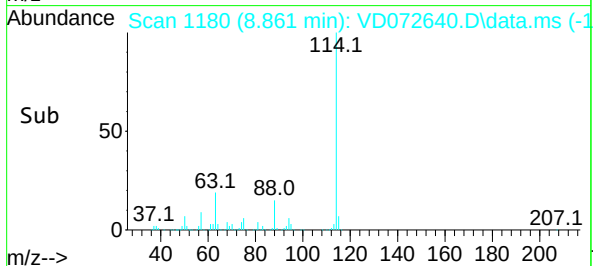
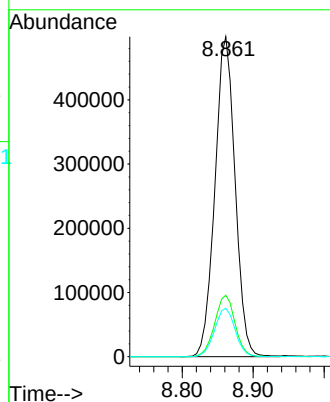
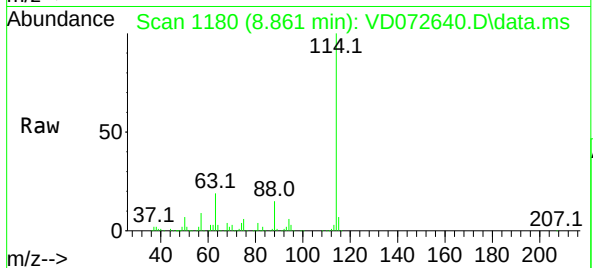
Tgt Ion:114 Resp: 979863

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.488 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072640.D

Acq: 20 Apr 2022 11:54

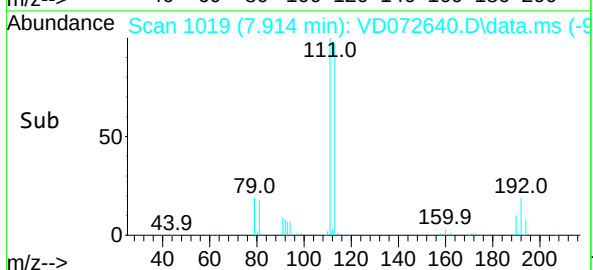
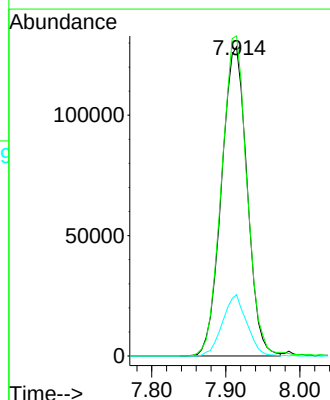
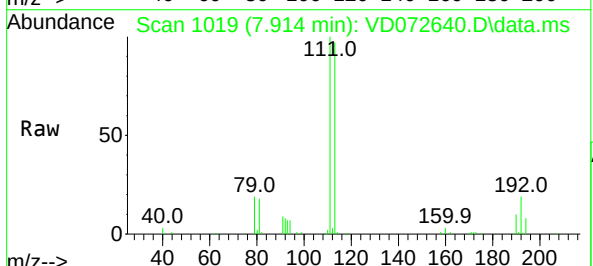
Tgt Ion:113 Resp: 308311

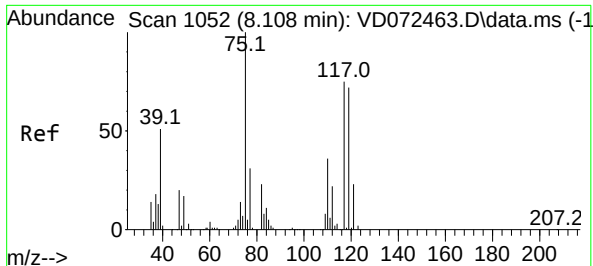
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.7 14.6 21.8

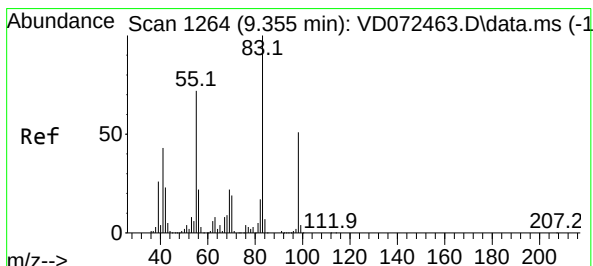
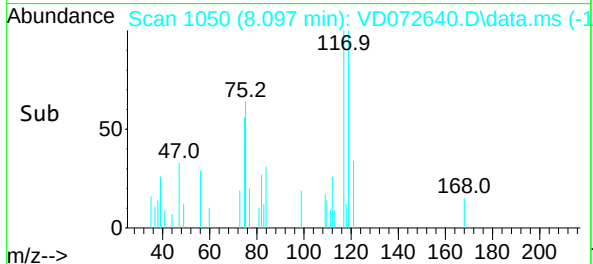
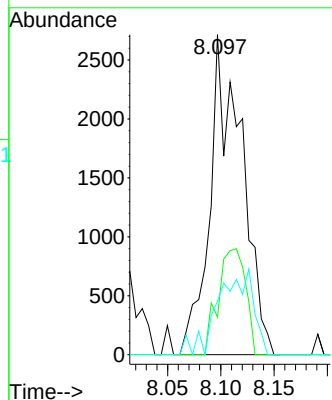
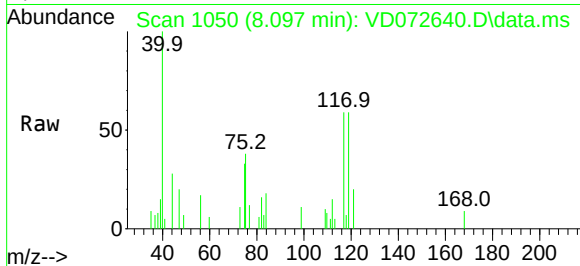




#36
1,1-Dichloropropene
Concen: 1.695 ug/l
RT: 8.097 min Scan# 1050
Delta R.T. -0.011 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

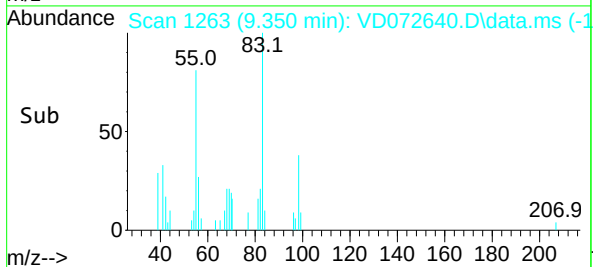
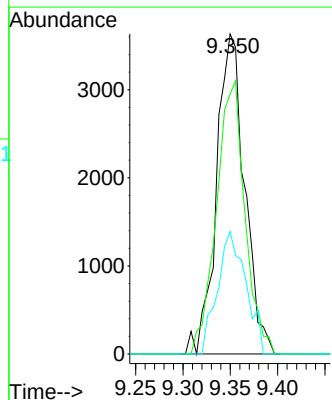
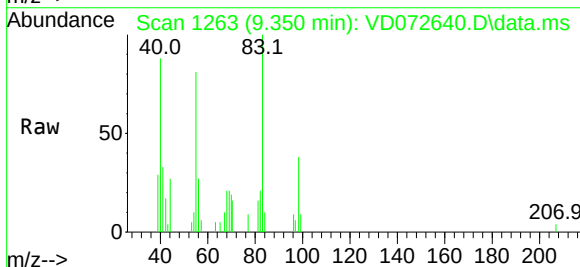
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

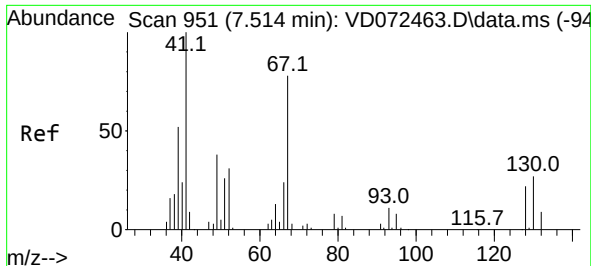
Tgt Ion: 75 Resp: 5686
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 3.500 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion: 83 Resp: 7497
Ion Ratio Lower Upper
83 100
55 81.2 63.2 94.8
98 38.2 38.2 57.4

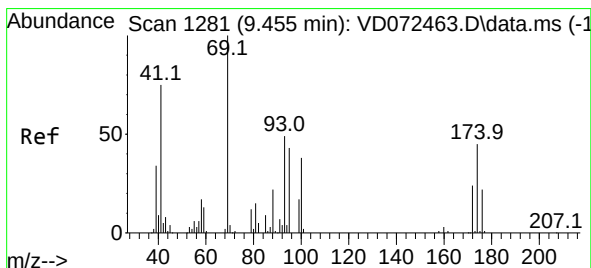
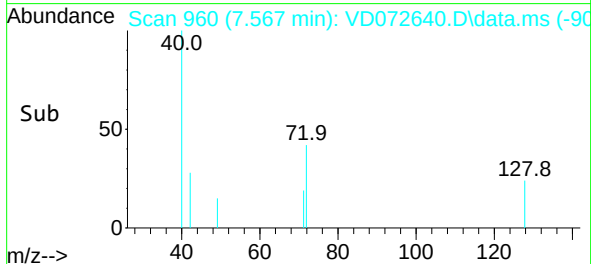
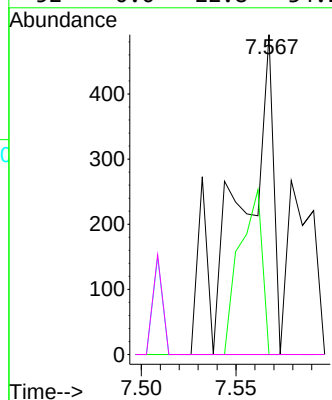
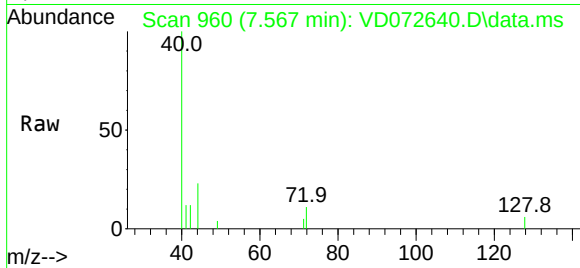




#41
Methacrylonitrile
Concen: 1.903 ug/l
RT: 7.567 min Scan# 91
Delta R.T. 0.053 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

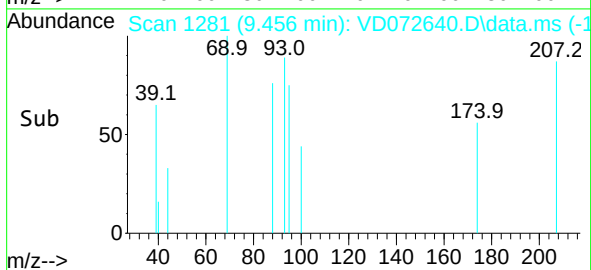
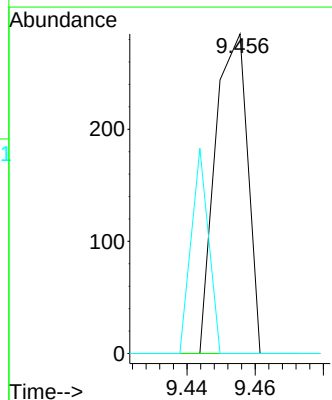
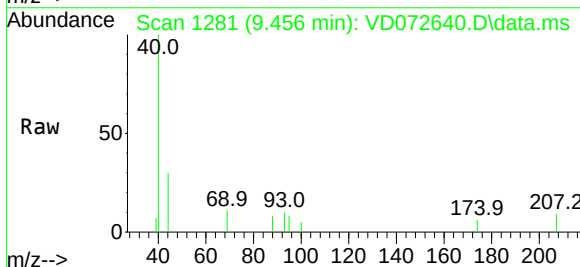
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

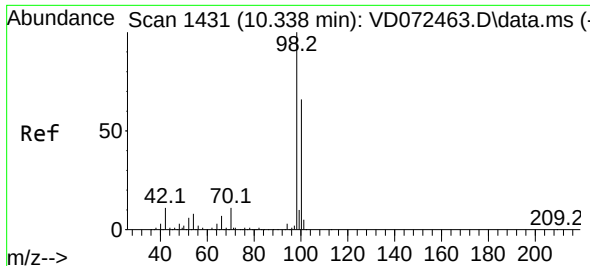
Tgt Ion:	41	Resp:	597
Ion	Ratio	Lower	Upper
41	100		
39	35.2	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#49
1,4-Dioxane
Concen: 4.050 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion:	88	Resp:	187
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	34.8	58.1	87.1#

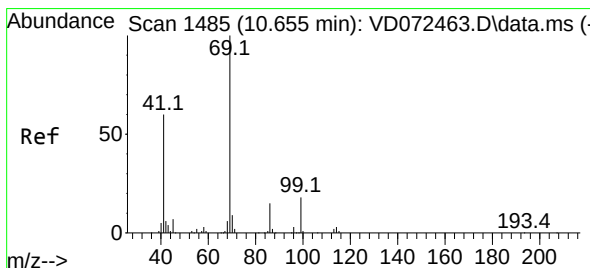
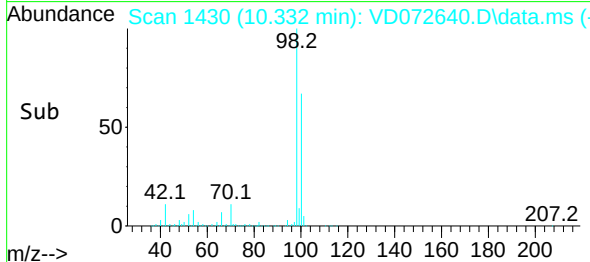
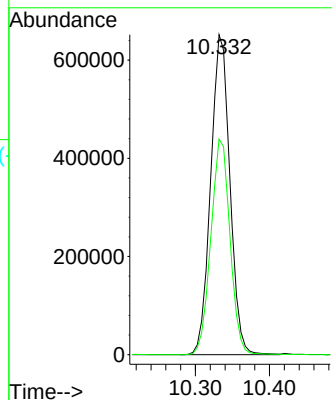
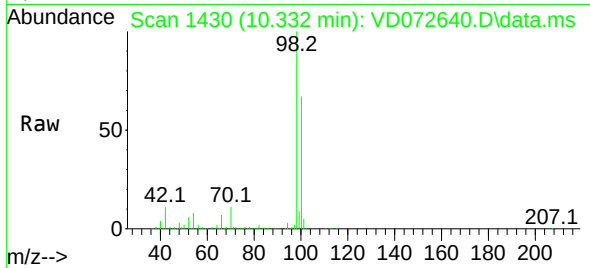




#50
Toluene-d8
Concen: 44.315 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

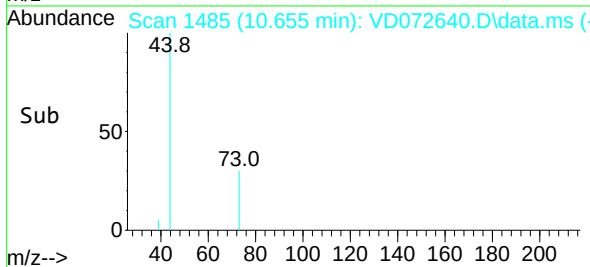
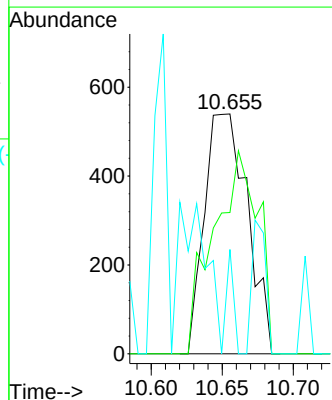
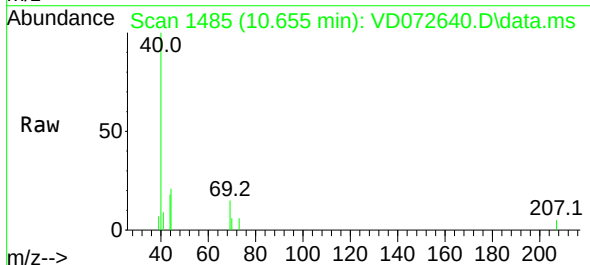
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

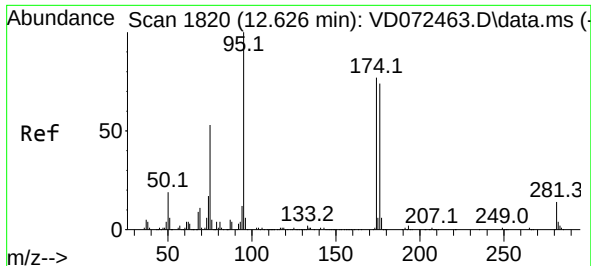
Tgt Ion: 98 Resp: 1173003
Ion Ratio Lower Upper
98 100
100 67.2 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.344 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion: 69 Resp: 1138
Ion Ratio Lower Upper
69 100
41 87.6 63.0 94.6
39 17.8 33.8 50.8#

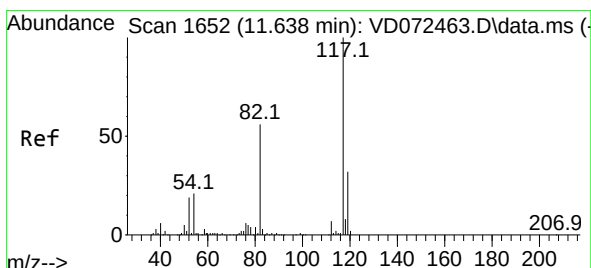
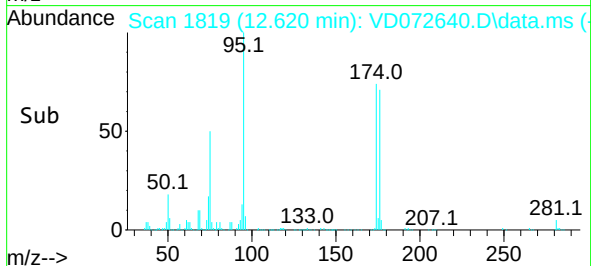
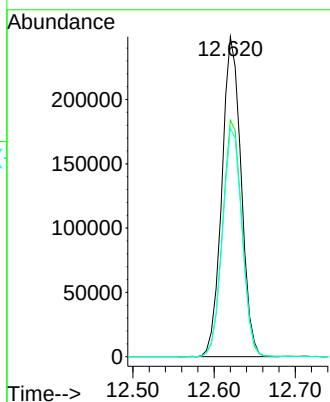
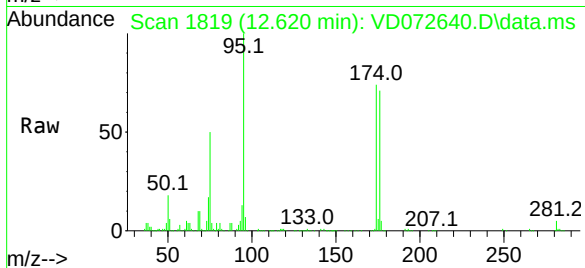




#62
4-Bromofluorobenzene
Concen: 39.612 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

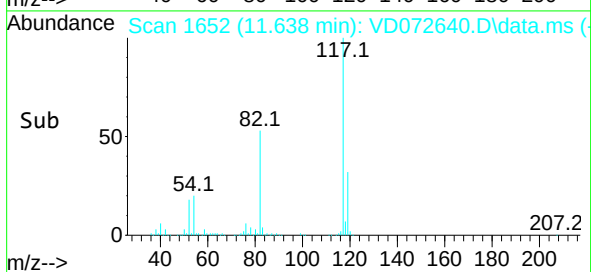
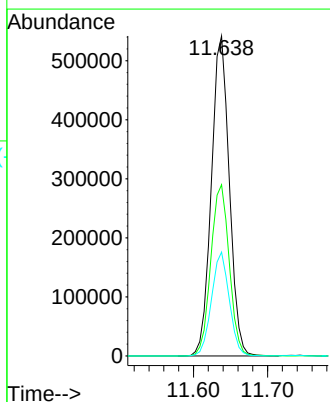
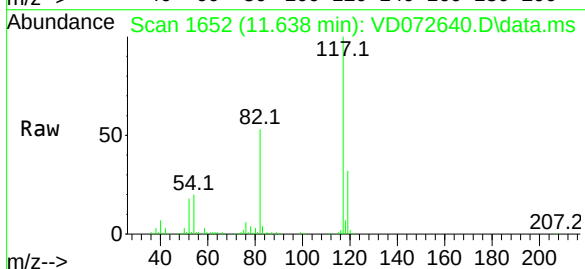
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

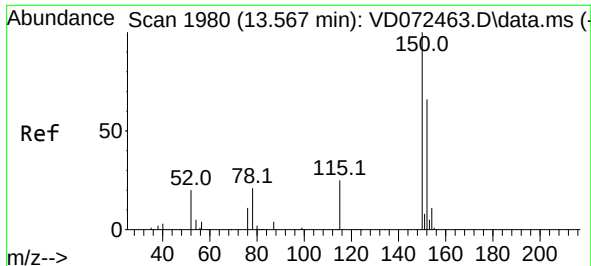
Tgt Ion: 95 Resp: 409495
Ion Ratio Lower Upper
95 100
174 74.4 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

Tgt Ion: 117 Resp: 910754
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.4 26.6 40.0

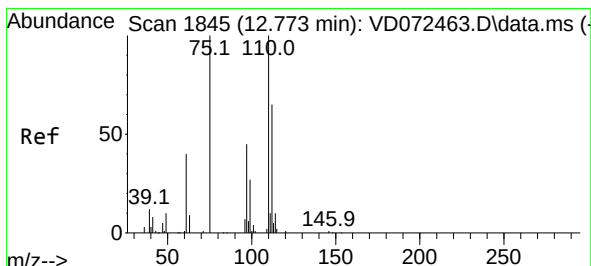
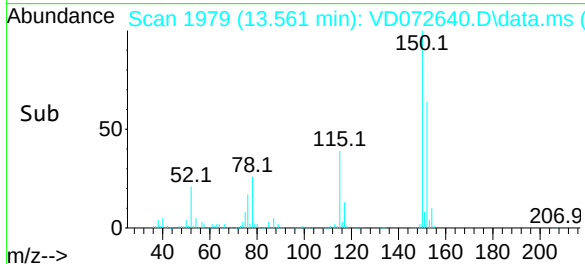
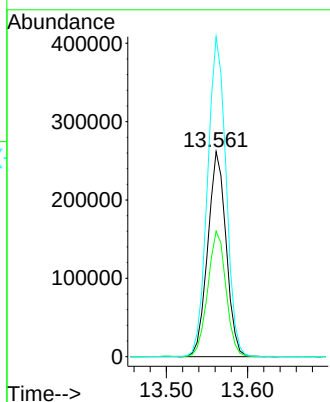
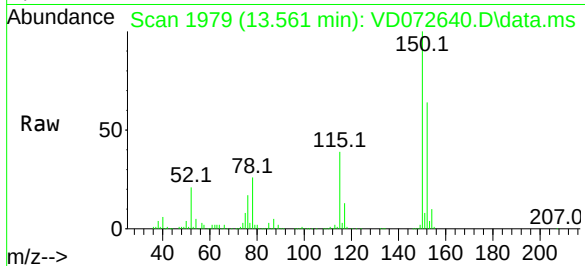




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

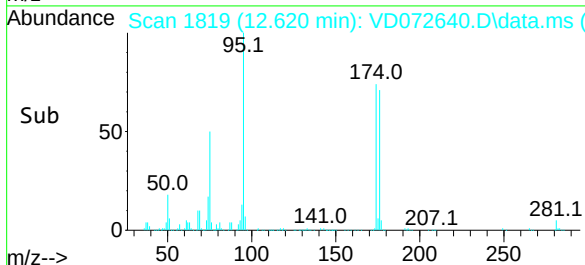
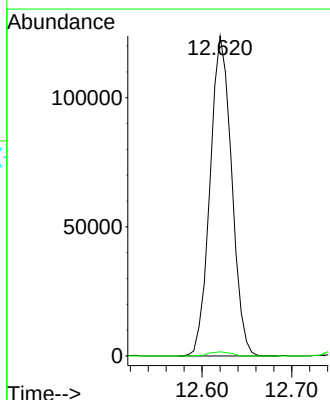
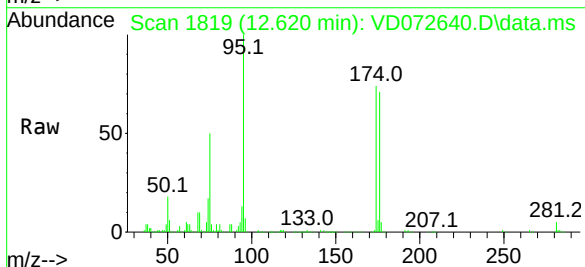
Instrument :
MSVOA_D
ClientSampleId :
VD0420SBL01

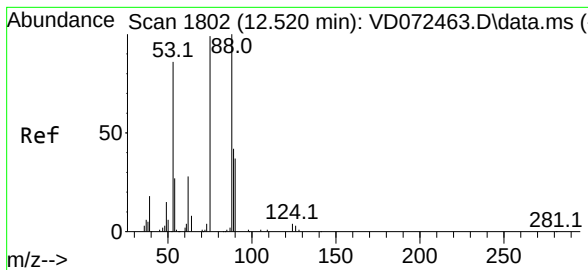
Tgt Ion:152 Resp: 409960
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 157.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.354 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072640.D
Acq: 20 Apr 2022 11:54

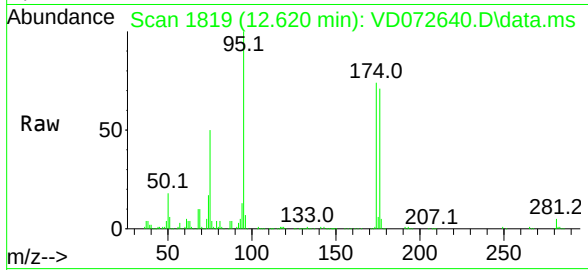
Tgt Ion: 75 Resp: 207261
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.744 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072640.D
 Acq: 20 Apr 2022 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0420SBL01



Tgt Ion: 75 Resp: 207261
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

