

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072644.D
 Acq On : 20 Apr 2022 13:46
 Operator : VA/SY
 Sample : N2442-05
 Misc : 3.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124042

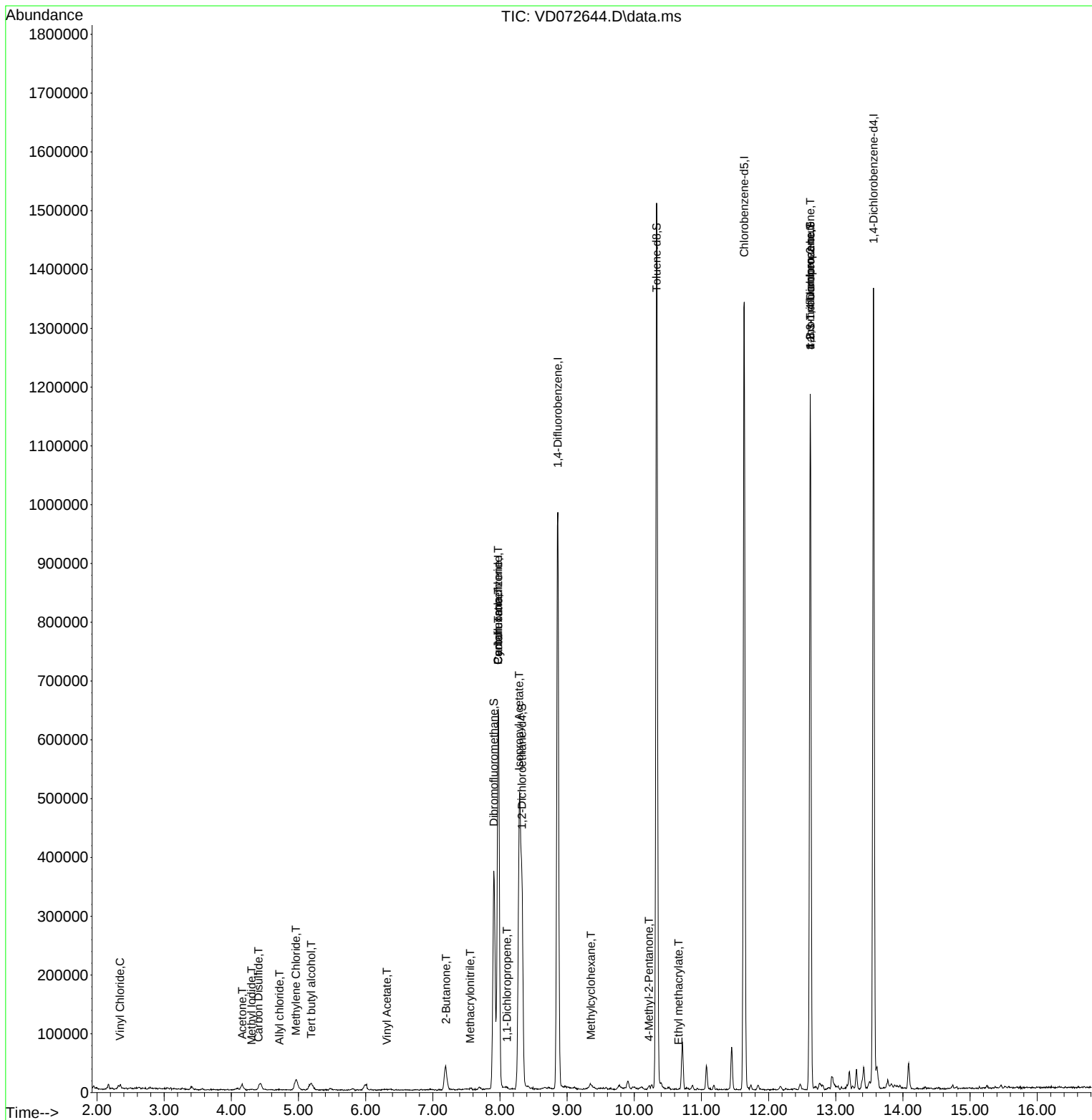
Quant Time: Apr 20 14:49:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

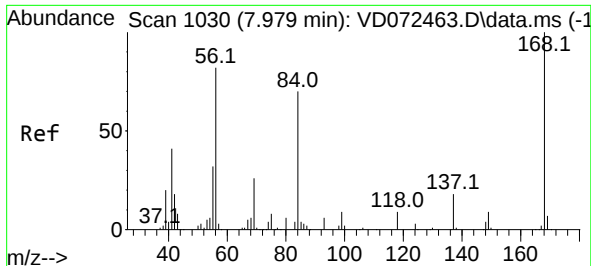
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	479127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	868714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	802948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	360917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255629	44.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.200%
35) Dibromofluoromethane	7.908	113	266947	39.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.080%
50) Toluene-d8	10.332	98	1019860	43.459	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.920%
62) 4-Bromofluorobenzene	12.620	95	356544	38.903	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.800%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.344	62	753	1.133	ug/l	92
10) Methyl Iodide	4.303	142	1329	3.971	ug/l #	76
11) Tert butyl alcohol	5.191	59	13650	44.596	ug/l #	79
14) Allyl chloride	4.715	41	940	1.248	ug/l #	56
16) Acetone	4.162	43	15887	14.700	ug/l	98
17) Carbon Disulfide	4.403	76	4716	4.095	ug/l #	94
20) Methylene Chloride	4.962	84	14726	2.289	ug/l #	77
23) Vinyl Acetate	6.314	43	1295	6.425	ug/l #	75
25) 2-Butanone	7.197	43	2086	1.396	ug/l	96
31) Cyclohexane	7.973	56	12045	1.589	ug/l #	7
36) 1,1-Dichloropropene	8.103	75	1796	1.328	ug/l #	59
38) Carbon Tetrachloride	7.973	117	51392	5.526	ug/l #	17
39) Methylcyclohexane	9.355	83	2351	3.097	ug/l #	74
41) Methacrylonitrile	7.556	41	396	1.841	ug/l #	36
43) Isopropyl Acetate	8.285	43	11756	1.713	ug/l #	2
51) 4-Methyl-2-Pentanone	10.220	43	4297	1.167	ug/l	97
56) Ethyl methacrylate	10.661	69	973	1.339	ug/l #	34
76) 1,2,3-Trichloropropane	12.620	75	184011	46.746	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	184011	114.706	ug/l #	7

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

Quant Time: Apr 20 14:49:43 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

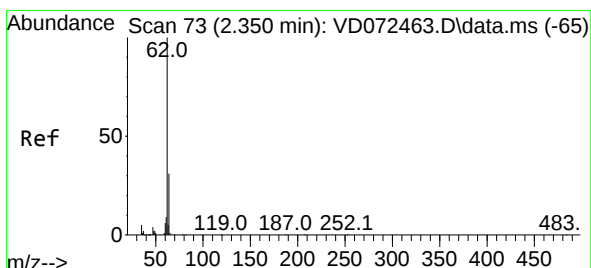
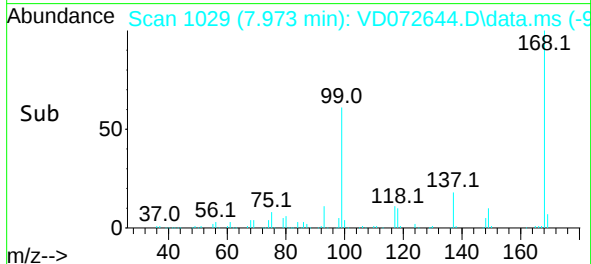
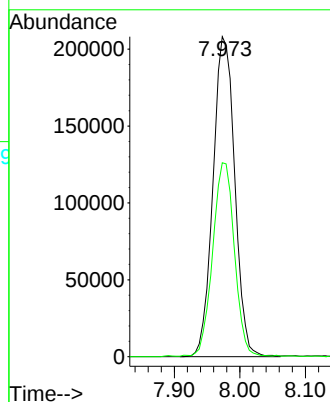
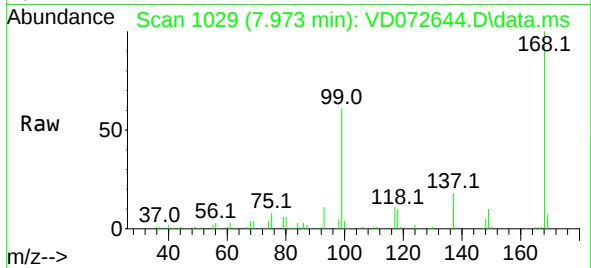




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

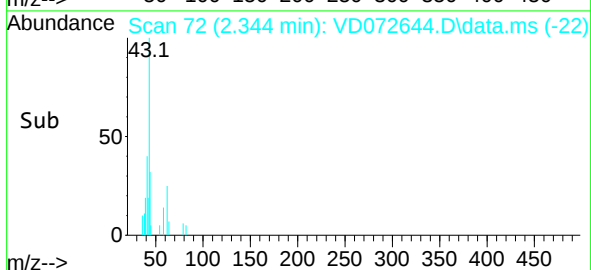
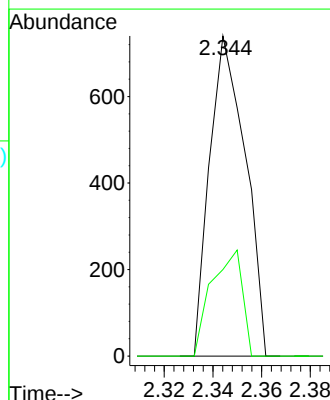
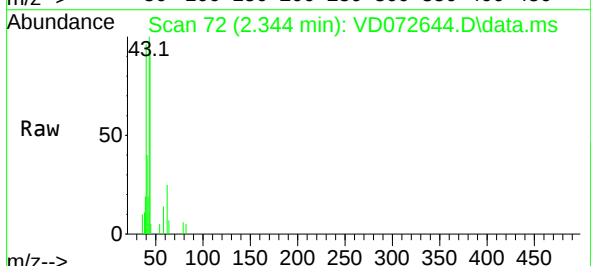
Instrument :
MSVOA_D
ClientSampleId :
124042

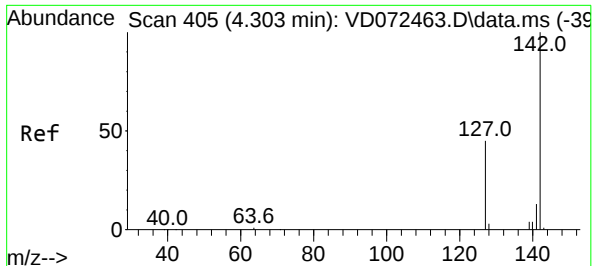
Tgt Ion:168 Resp: 479127
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#4
Vinyl Chloride
Concen: 1.133 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

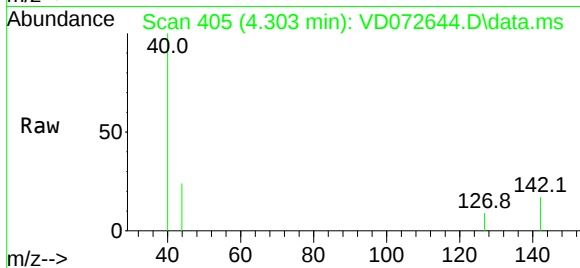
Tgt Ion: 62 Resp: 753
Ion Ratio Lower Upper
62 100
64 27.0 25.4 38.0



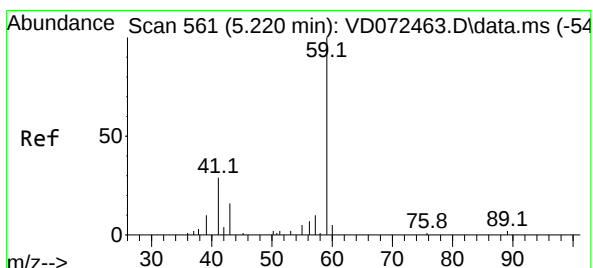
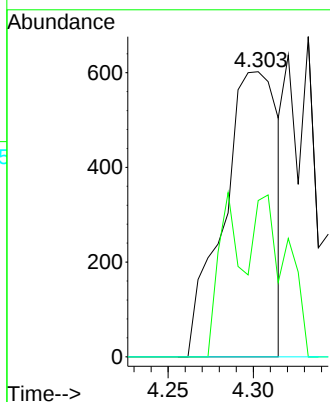
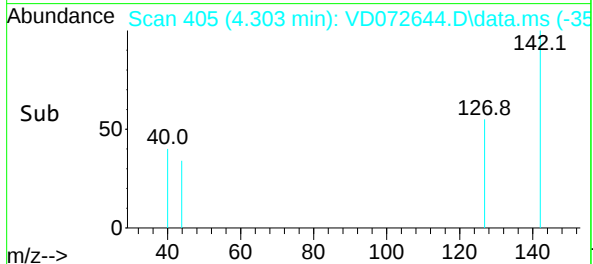


#10
Methyl Iodide
Concen: 3.971 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

Instrument :
MSVOA_D
ClientSampleId :
124042

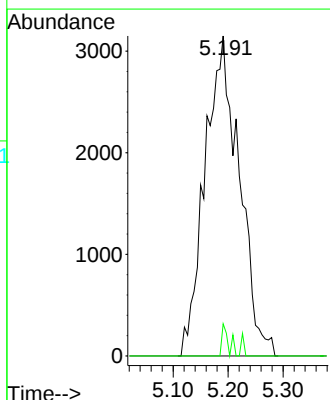
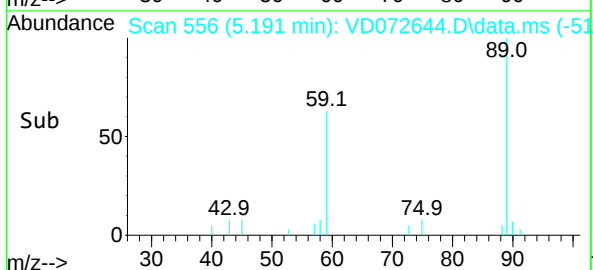
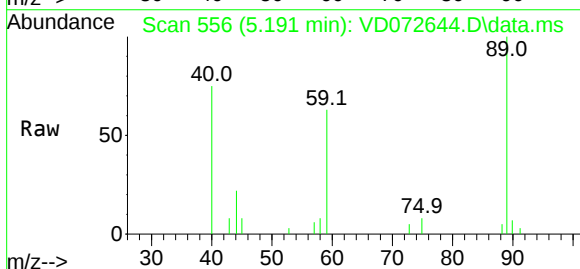


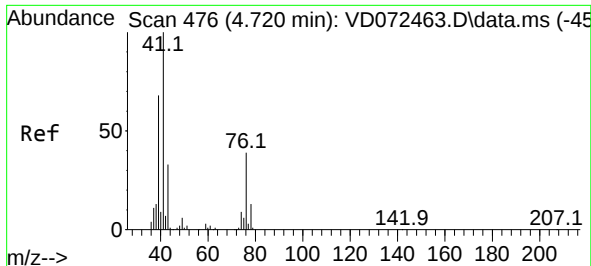
Tgt Ion:142 Resp: 1329
Ion Ratio Lower Upper
142 100
127 33.4 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 44.596 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

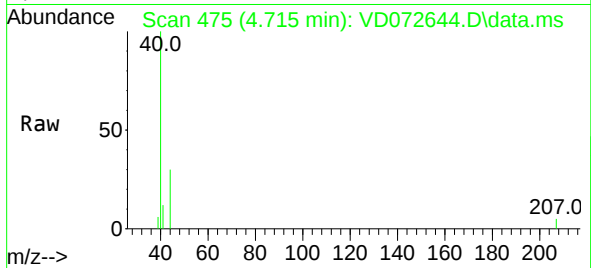
Tgt Ion: 59 Resp: 13650
Ion Ratio Lower Upper
59 100
57 1.9 7.8 11.6#



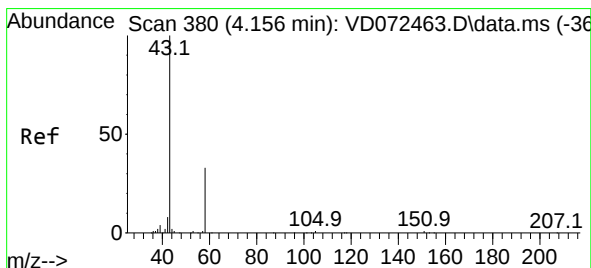
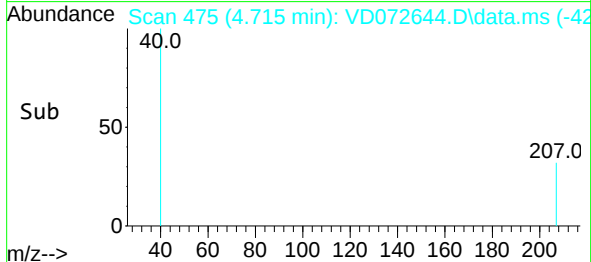
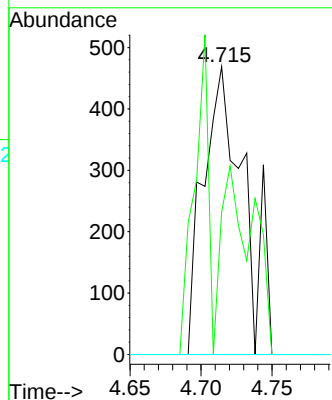


#14
 Allyl chloride
 Concen: 1.248 ug/l
 RT: 4.715 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: VD072644.D
 Acq: 20 Apr 2022 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 124042

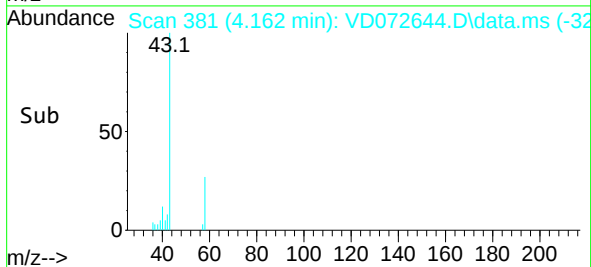
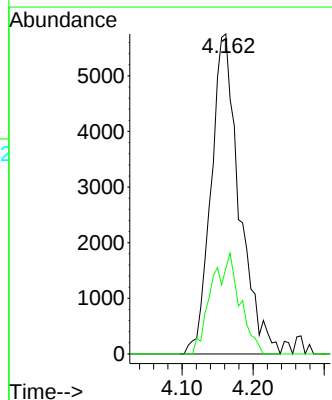
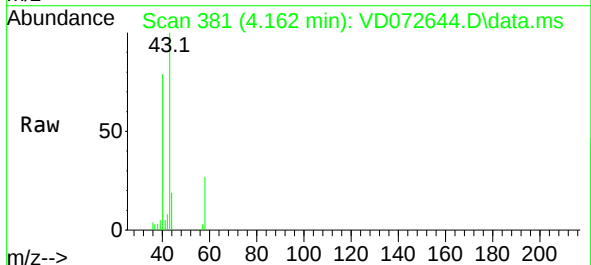


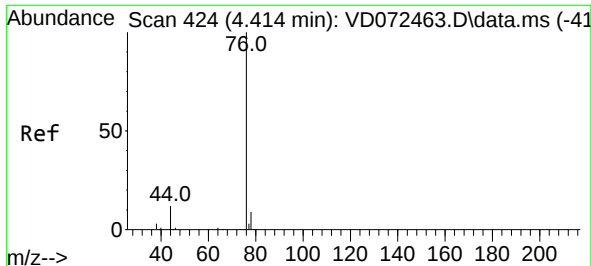
Tgt Ion: 41 Resp: 940
 Ion Ratio Lower Upper
 41 100
 39 42.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 14.700 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072644.D
 Acq: 20 Apr 2022 13:46

Tgt Ion: 43 Resp: 15887
 Ion Ratio Lower Upper
 43 100
 58 26.8 22.1 33.1





#17

Carbon Disulfide

Concen: 4.095 ug/l

RT: 4.403 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

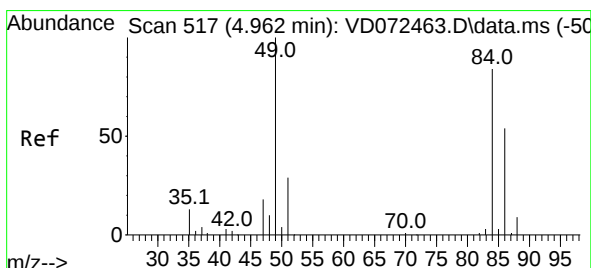
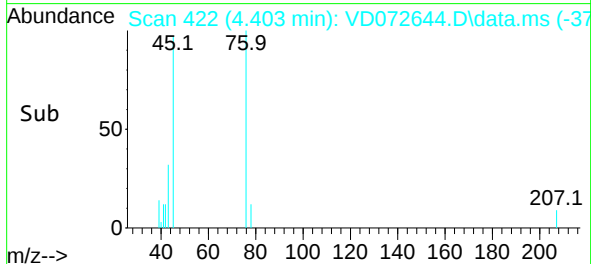
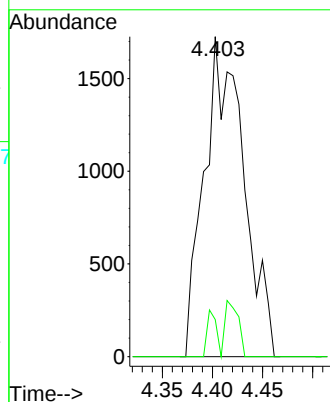
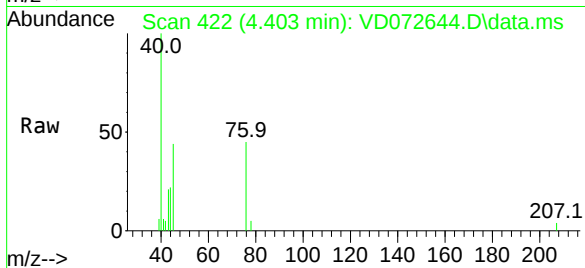
124042

Tgt Ion: 76 Resp: 4716

Ion Ratio Lower Upper

76 100

78 11.6 7.5 11.3#



#20

Methylene Chloride

Concen: 2.289 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Tgt Ion: 84 Resp: 14726

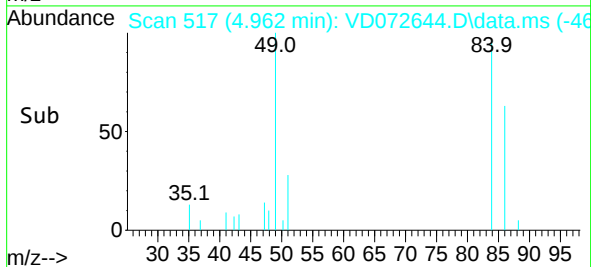
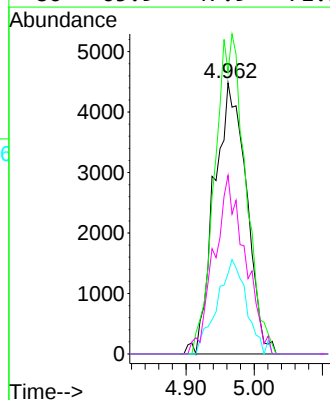
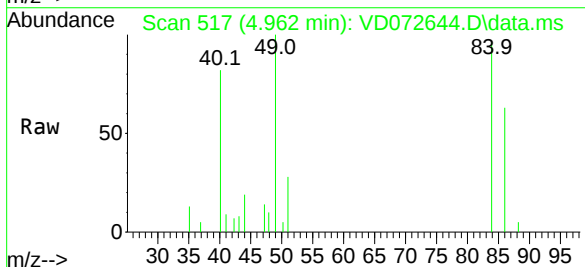
Ion Ratio Lower Upper

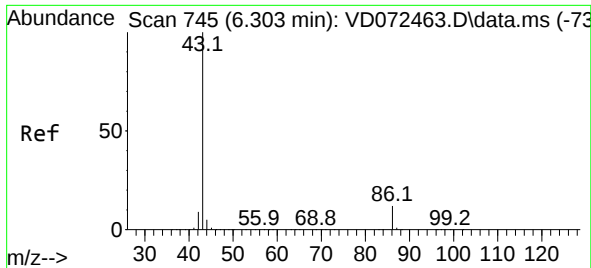
84 100

49 103.9 112.8 169.2#

51 29.6 32.6 48.8#

86 65.9 47.9 71.9

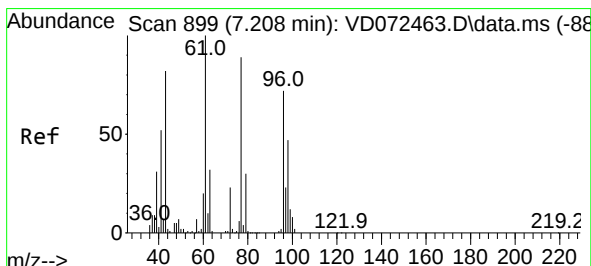
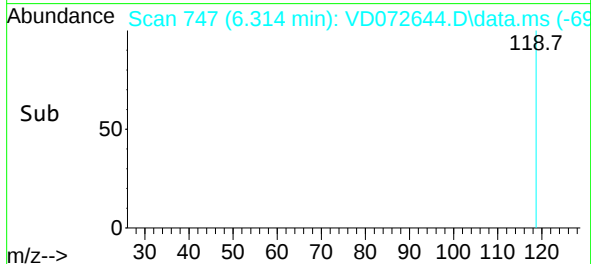
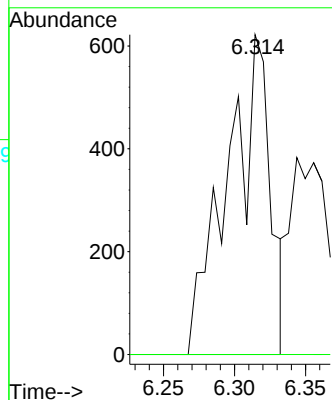
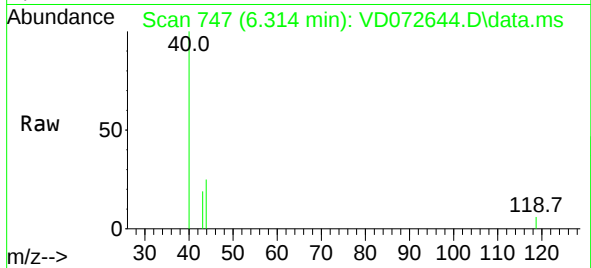




#23
 Vinyl Acetate
 Concen: 6.425 ug/l
 RT: 6.314 min Scan# 745
 Delta R.T. 0.011 min
 Lab File: VD072644.D
 Acq: 20 Apr 2022 13:46

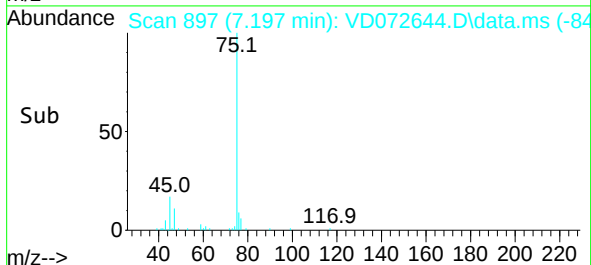
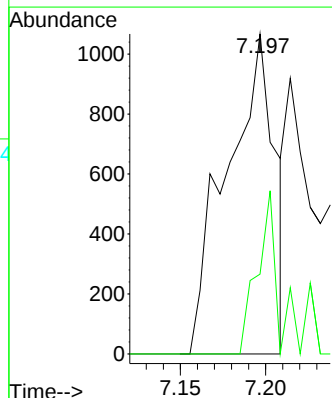
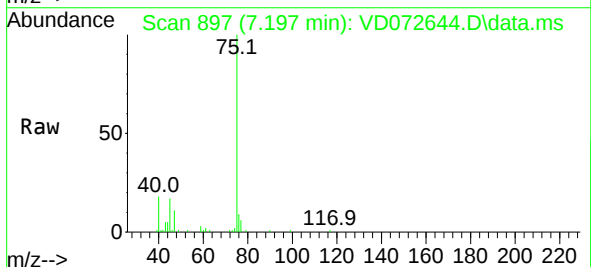
Instrument :
 MSVOA_D
 ClientSampleId :
 124042

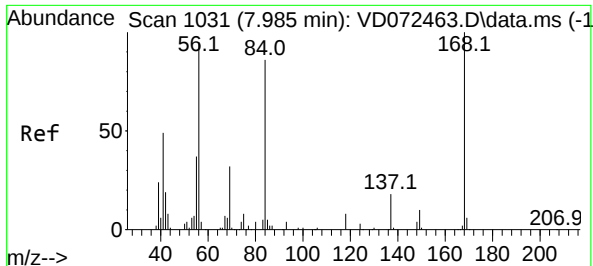
Tgt Ion: 43 Resp: 1295
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.396 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.012 min
 Lab File: VD072644.D
 Acq: 20 Apr 2022 13:46

Tgt Ion: 43 Resp: 2086
 Ion Ratio Lower Upper
 43 100
 72 24.9 18.6 27.8





#31

Cyclohexane

Concen: 1.589 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072644.D

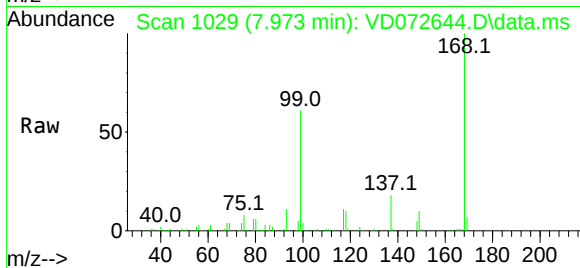
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Instrument :

MSVOA_D

ClientSampleId :

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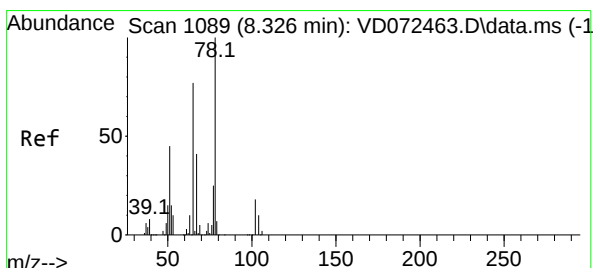
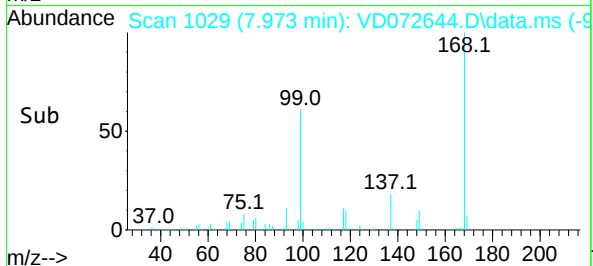
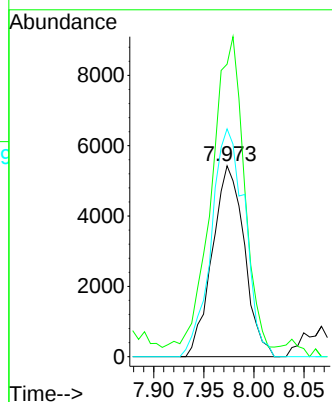
Tgt Ion: 56 Resp: 12045

Ion Ratio Lower Upper

56 100

69 147.8 25.4 38.2#

84 119.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 44.105 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072644.D

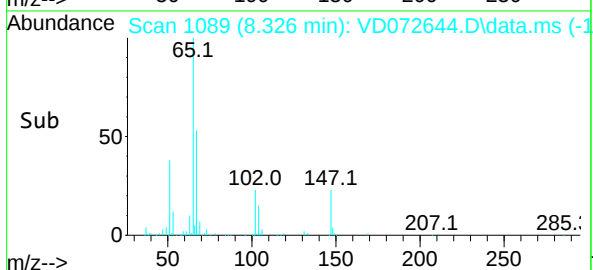
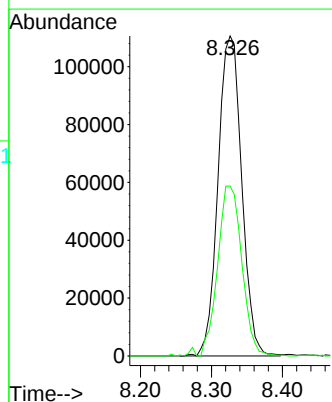
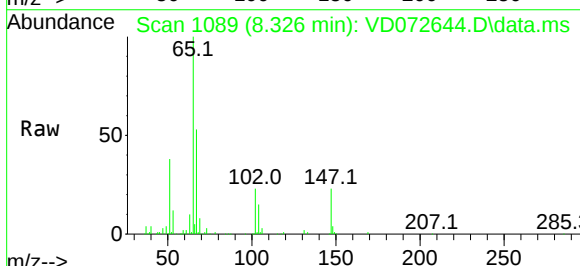
Acq: 20 Apr 2022 13:46

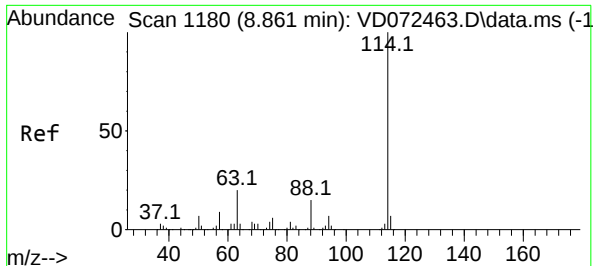
Tgt Ion: 65 Resp: 255629

Ion Ratio Lower Upper

65 100

67 54.3 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: VD072644.D

Acq: 20 Apr 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

124042

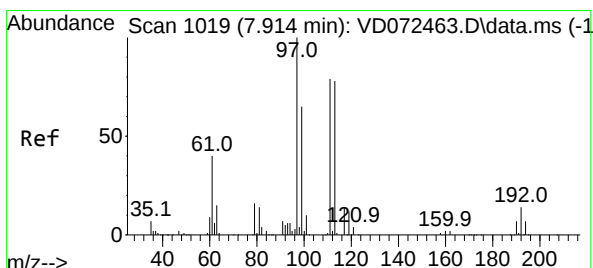
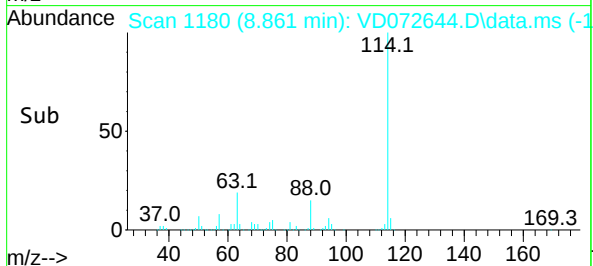
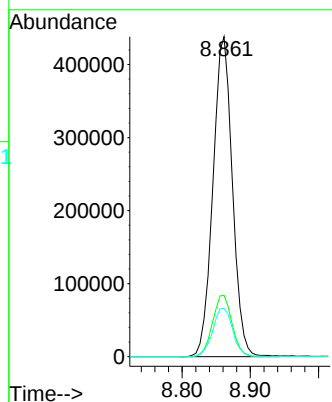
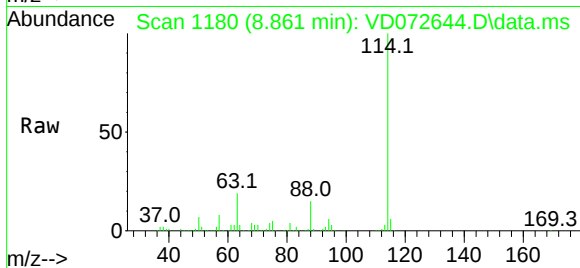
Tgt Ion:114 Resp: 868714

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 39.541 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

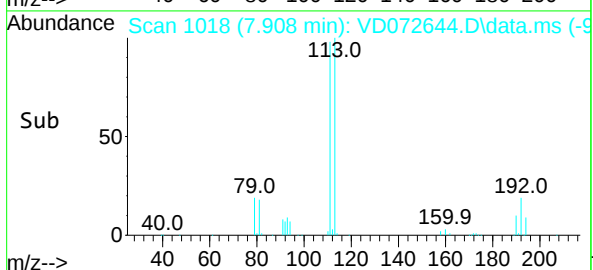
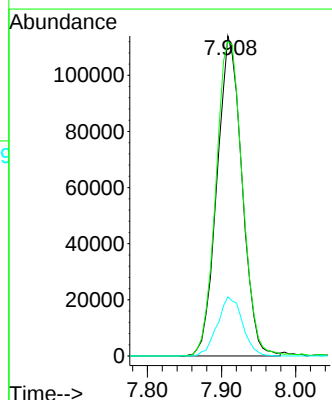
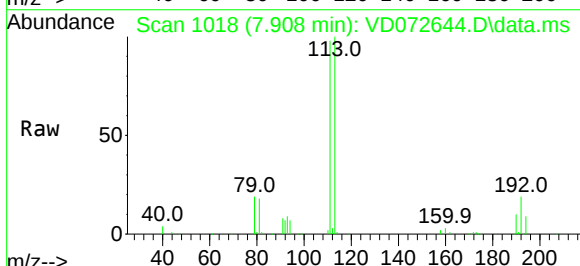
Tgt Ion:113 Resp: 266947

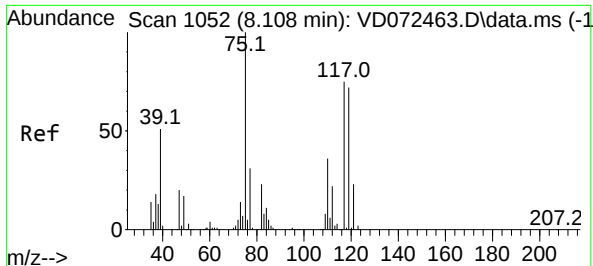
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.328 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.005 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

124042

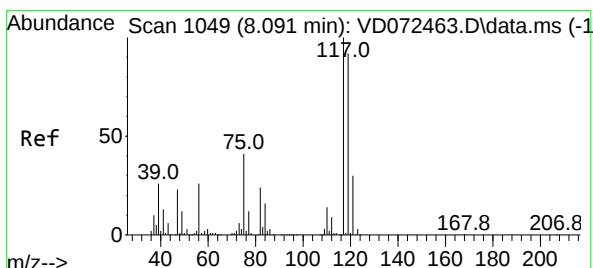
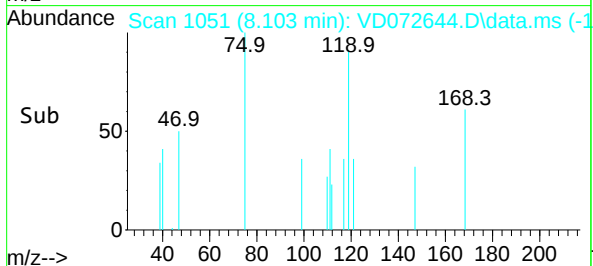
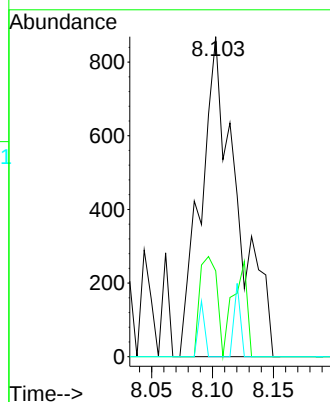
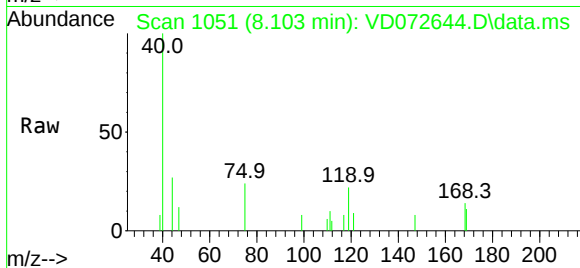
Tgt Ion: 75 Resp: 1796

Ion Ratio Lower Upper

75 100

110 14.8 16.4 49.1#

77 3.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.526 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

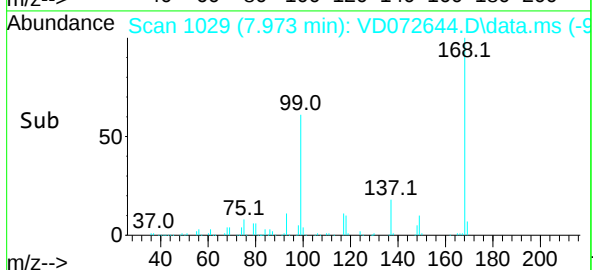
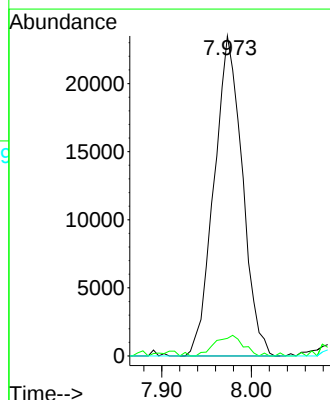
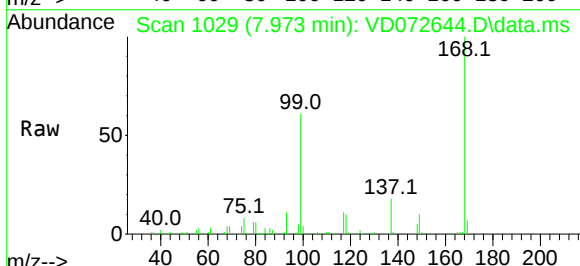
Tgt Ion: 117 Resp: 51392

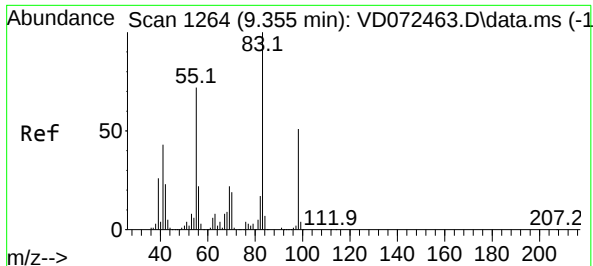
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 3.097 ug/l

RT: 9.355 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD072644.D

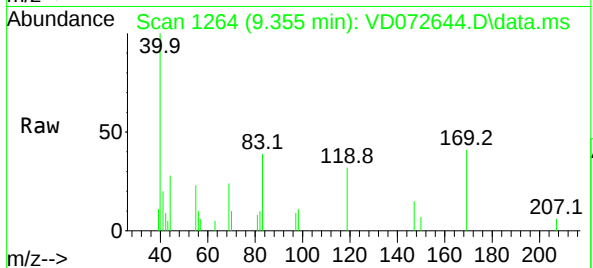
Acq: 20 Apr 2022 13:46

Instrument :

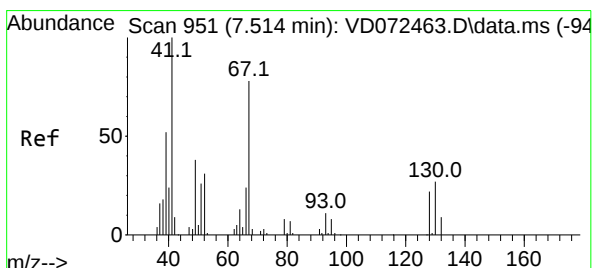
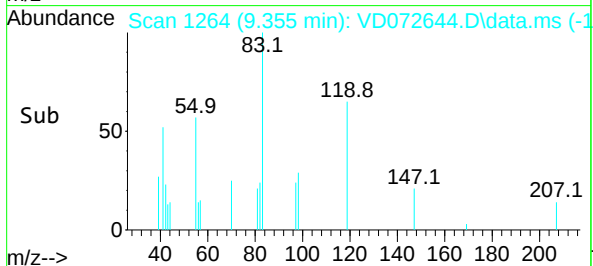
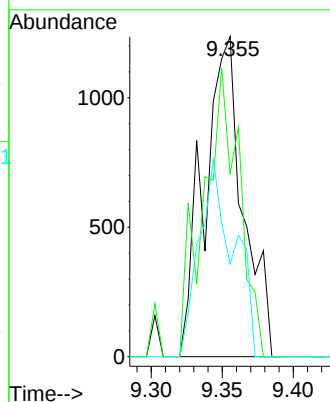
MSVOA_D

ClientSampleId :

124042



Tgt Ion: 83	Resp: 2351
Ion Ratio	Lower Upper
83	100
55	57.3 63.2 94.8#
98	29.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.841 ug/l

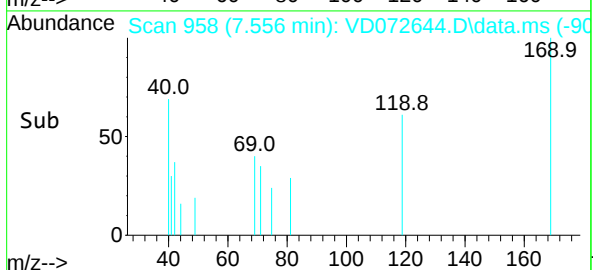
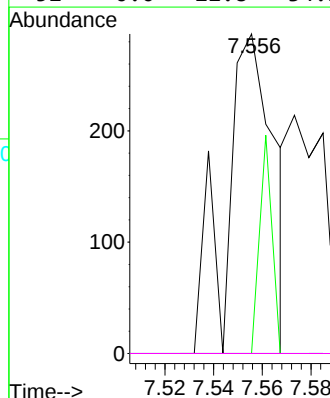
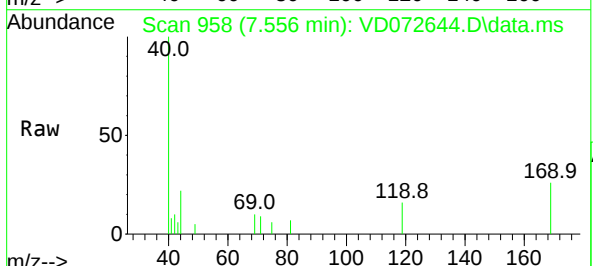
RT: 7.556 min Scan# 958

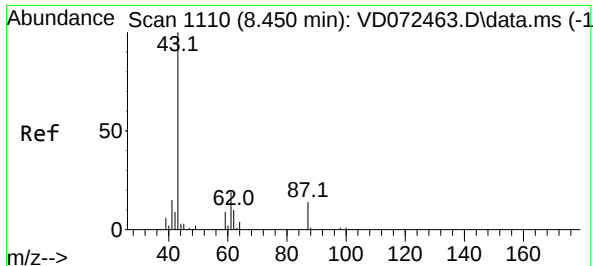
Delta R.T. 0.042 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Tgt Ion: 41	Resp: 396
Ion Ratio	Lower Upper
41	100
39	17.4 44.6 67.0#
67	0.0 48.2 72.4#
52	0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 1.713 ug/l

RT: 8.285 min Scan# 1110

Delta R.T. -0.165 min

Lab File: VD072644.D

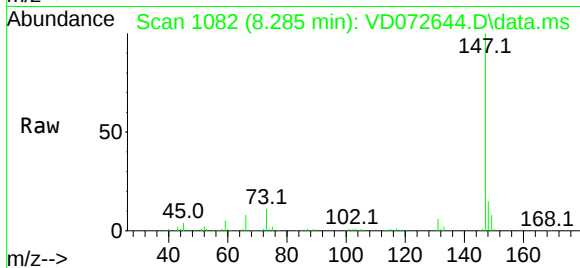
Acq: 20 Apr 2022 13:46

Instrument :

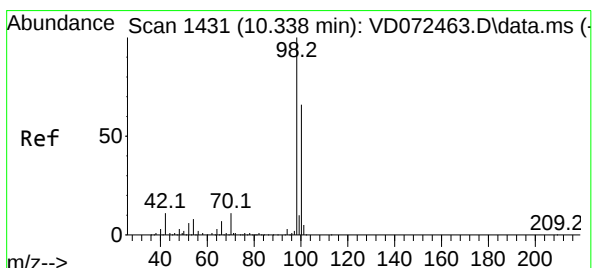
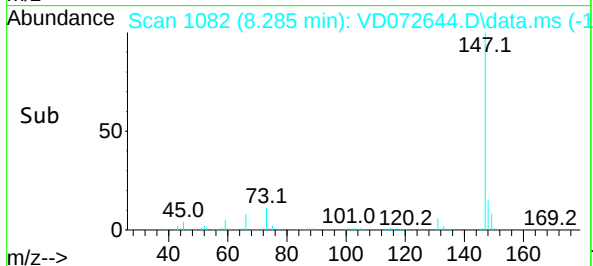
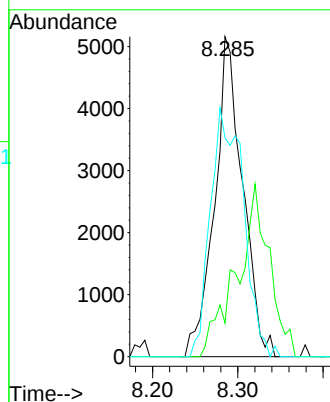
MSVOA_D

ClientSampleId :

124042



Tgt Ion: 43	Resp: 11756
Ion Ratio	Lower Upper
43	100
61	0.0 22.4 33.6#
87	92.0 8.7 13.1#



#50

Toluene-d8

Concen: 43.459 ug/l

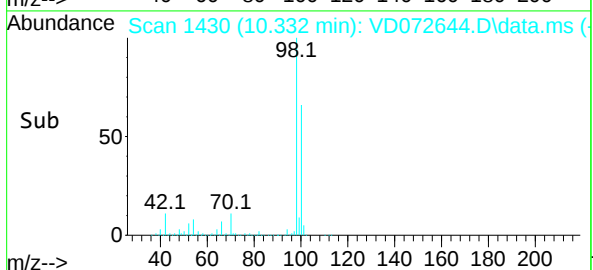
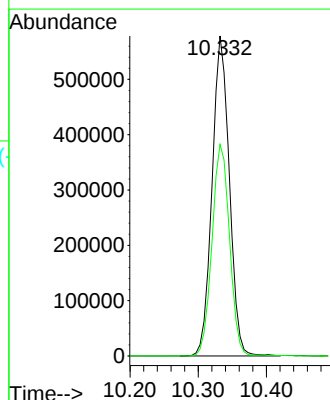
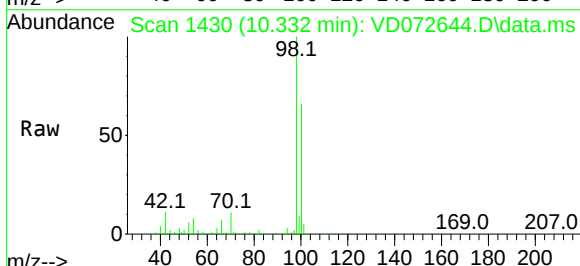
RT: 10.332 min Scan# 1430

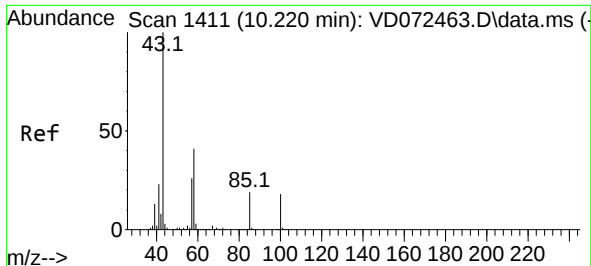
Delta R.T. -0.006 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Tgt Ion: 98	Resp: 1019860
Ion Ratio	Lower Upper
98	100
100	67.3 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.167 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

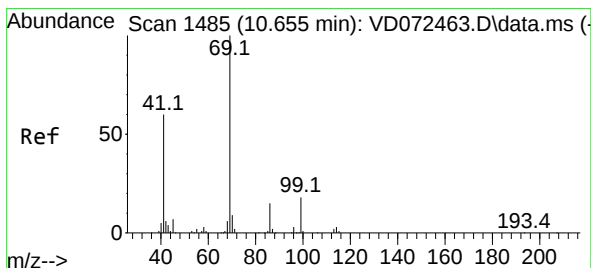
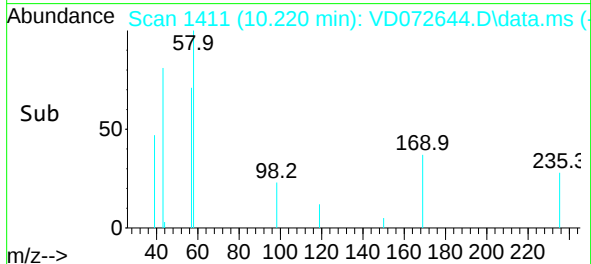
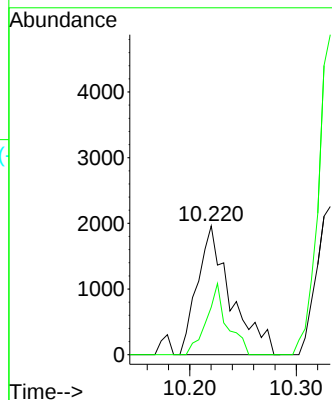
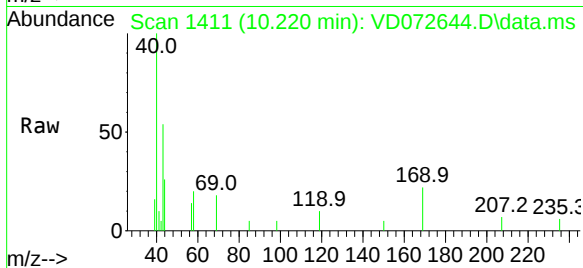
124042

Tgt Ion: 43 Resp: 4297

Ion Ratio Lower Upper

43 100

58 33.8 28.6 43.0



#56

Ethyl methacrylate

Concen: 1.339 ug/l

RT: 10.661 min Scan# 1486

Delta R.T. 0.006 min

Lab File: VD072644.D

Acq: 20 Apr 2022 13:46

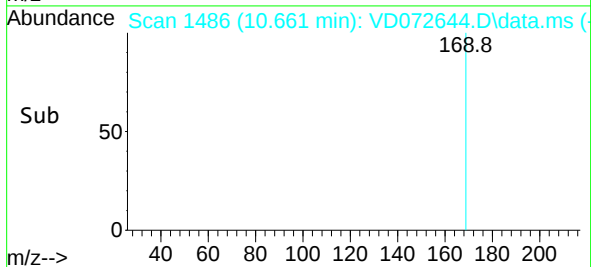
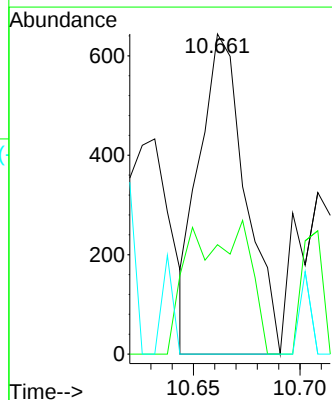
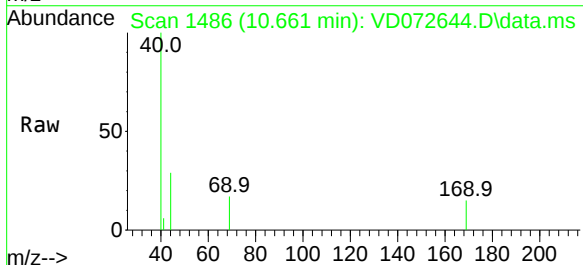
Tgt Ion: 69 Resp: 973

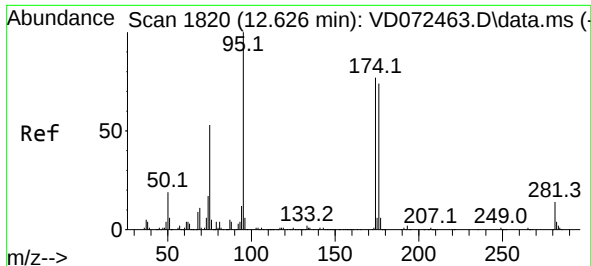
Ion Ratio Lower Upper

69 100

41 21.9 63.0 94.6#

39 0.0 33.8 50.8#

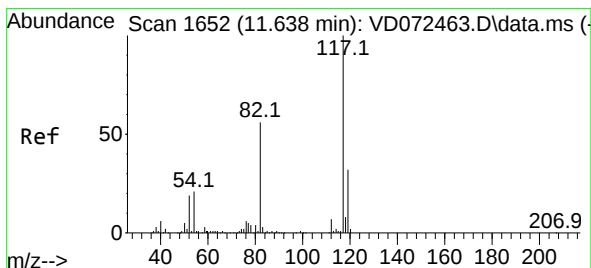
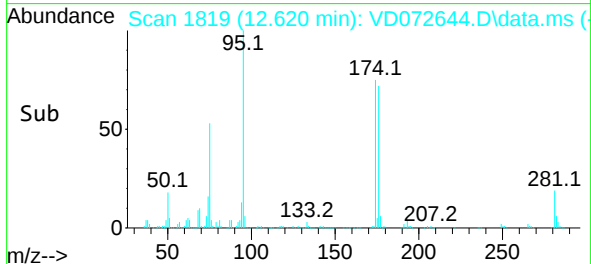
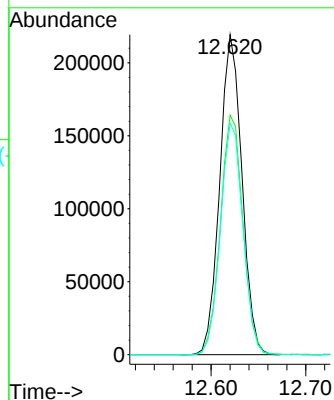
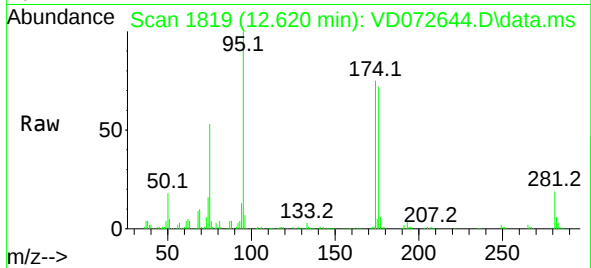




#62
4-Bromofluorobenzene
Concen: 38.903 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

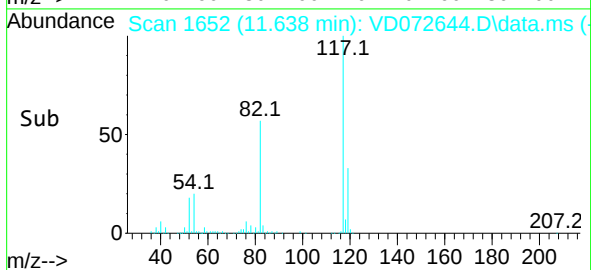
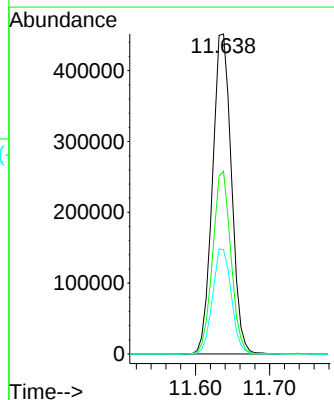
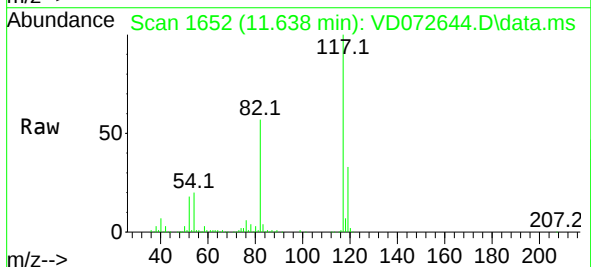
Instrument :
MSVOA_D
ClientSampleId :
124042

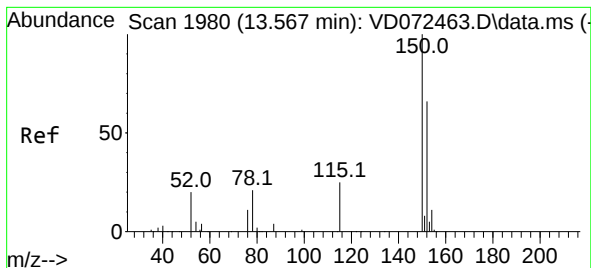
Tgt Ion: 95 Resp: 356544
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072644.D
Acq: 20 Apr 2022 13:46

Tgt Ion: 117 Resp: 802948
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 32.5 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: VD072644.D

Acq: 20 Apr 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

124042

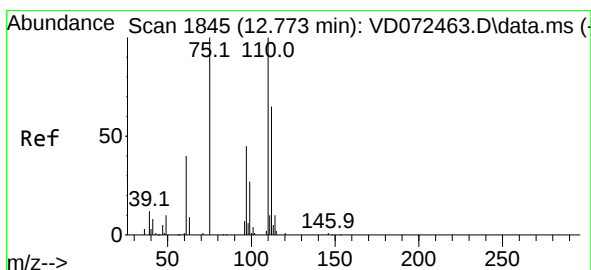
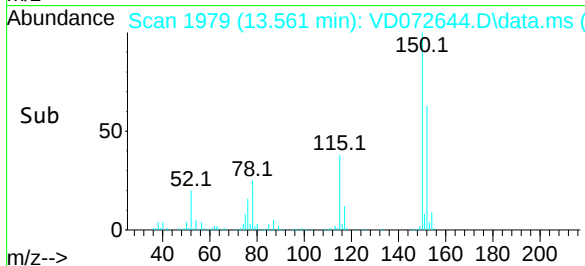
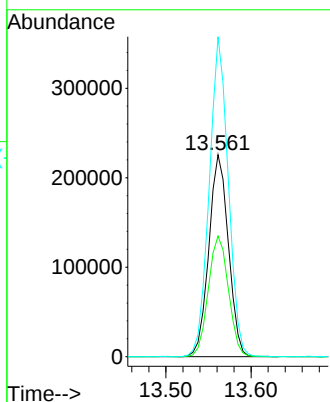
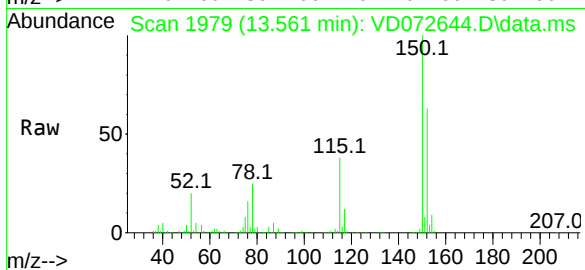
Tgt Ion:152 Resp: 360917

Ion Ratio Lower Upper

152 100

115 61.2 31.3 93.8

150 154.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 46.746 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072644.D

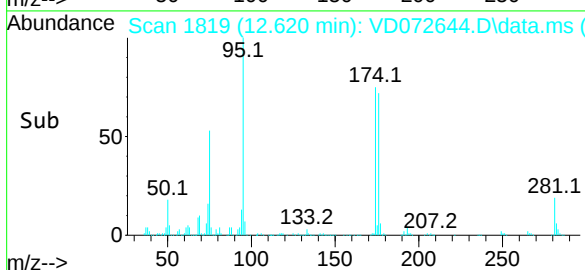
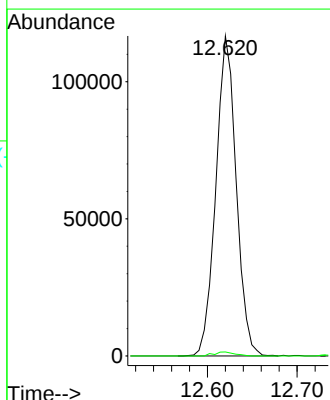
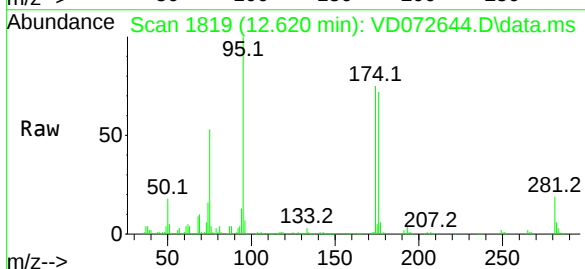
Acq: 20 Apr 2022 13:46

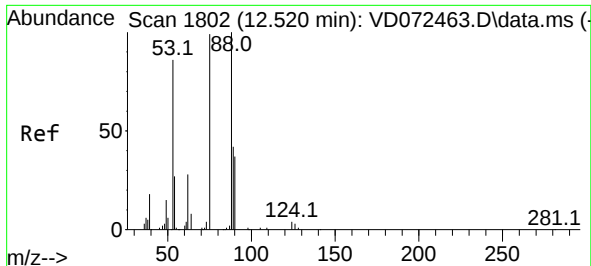
Tgt Ion: 75 Resp: 184011

Ion Ratio Lower Upper

75 100

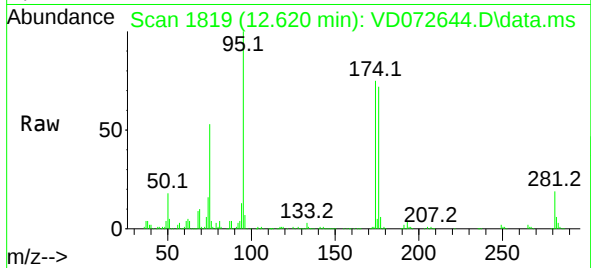
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.706 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072644.D
 Acq: 20 Apr 2022 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 124042



Tgt Ion: 75 Resp: 184011
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.4 33.9 50.9#

