

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075298.D
 Acq On : 09 Feb 2023 17:06
 Operator : KP/SY
 Sample : 01508-02
 Misc : 4.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 UST-1

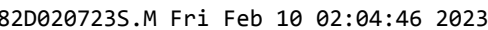
Quant Time: Feb 10 02:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

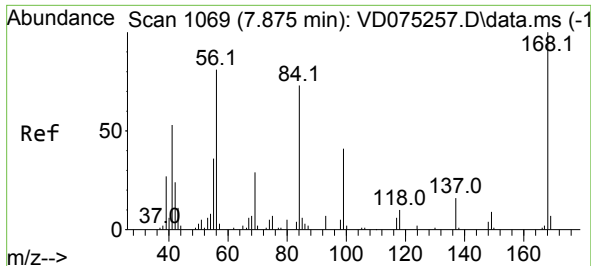
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	78025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	135881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	126898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	39523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	38196	41.748	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.500%		
35) Dibromofluoromethane	7.811	113	40804	42.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.660%		
50) Toluene-d8	10.269	98	169733	46.974	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.575	95	52463	44.033	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	221	Below Cal	#	41
16) Acetone	4.034	43	923	3.815	ug/l #	42
18) Methyl Acetate	4.534	43	59	Below Cal	#	52
20) Methylene Chloride	4.805	84	4307	Below Cal	#	77
25) 2-Butanone	7.087	43	682	2.275	ug/l #	50
31) Cyclohexane	7.881	56	1977	1.217	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	6342	4.273	ug/l #	48
37) Ethyl Acetate	7.087	43	682	1.054	ug/l #	67
38) Carbon Tetrachloride	7.875	117	8078	5.873	ug/l #	18
59) 2-Hexanone	10.946	43	495	1.084	ug/l #	25
64) Tetrachloroethene	10.810	164	2339	2.393	ug/l	90
76) 1,2,3-Trichloropropane	12.575	75	27712	61.730	ug/l #	100
77) Bromobenzene	12.769	156	11758	16.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	27712	194.075	ug/l #	17

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

Quant Time: Feb 10 02:04:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 2023
Response via : Initial Calibration

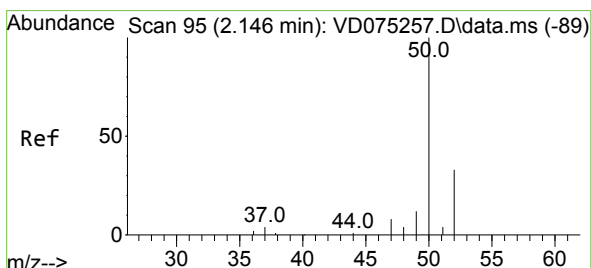
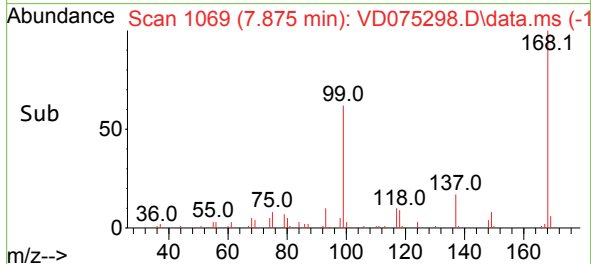
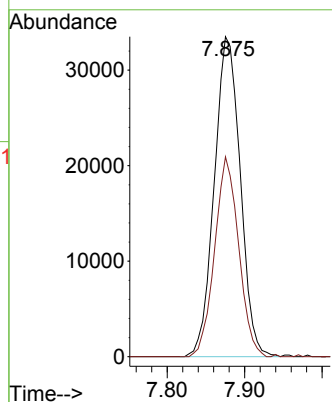
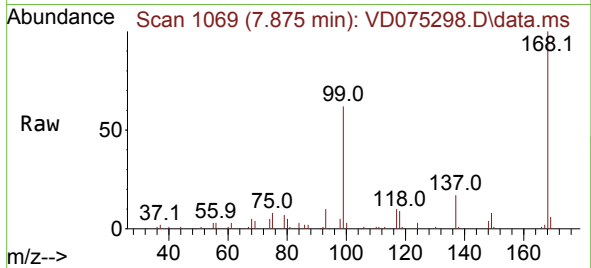




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

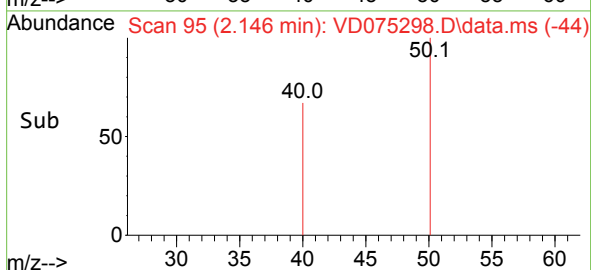
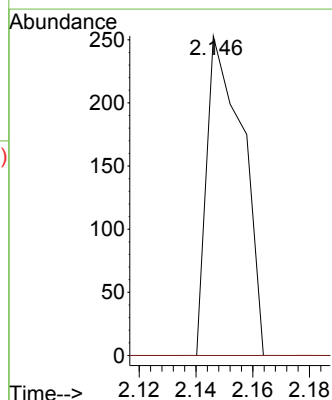
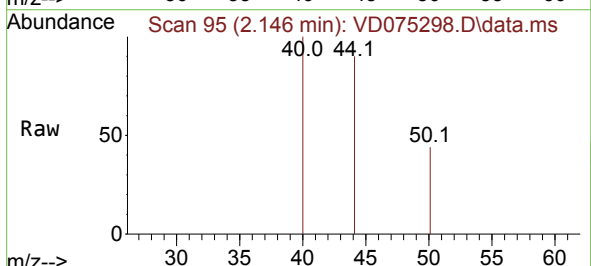
Instrument :
MSVOA_D
ClientSampleId :
UST-1

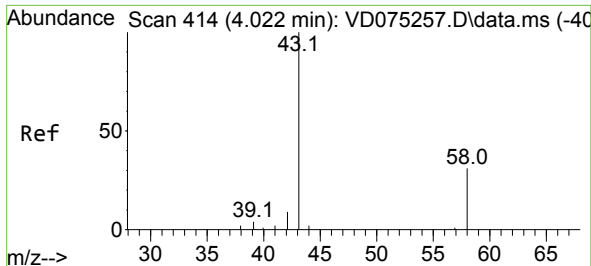
Tgt Ion:168 Resp: 78025
Ion Ratio Lower Upper
168 100
99 62.4 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

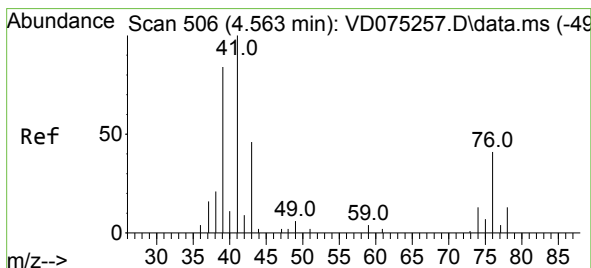
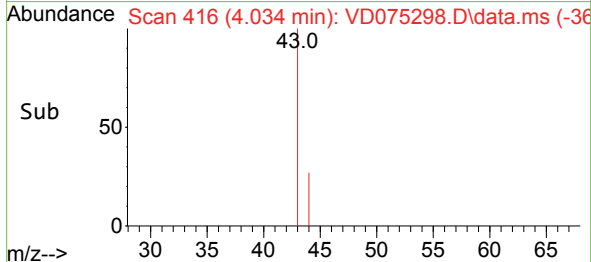
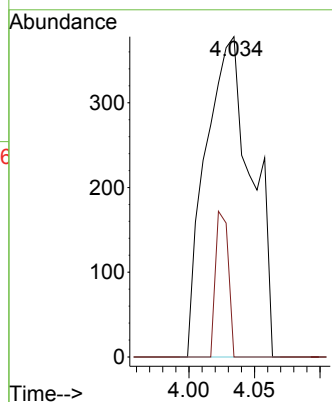
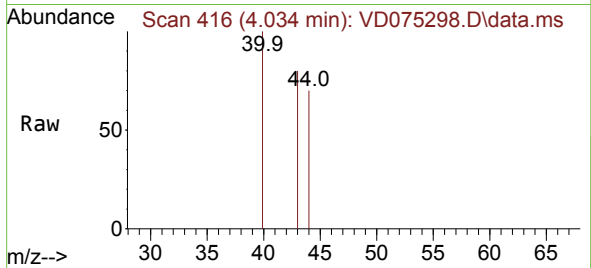




#16
Acetone
Concen: 3.815 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

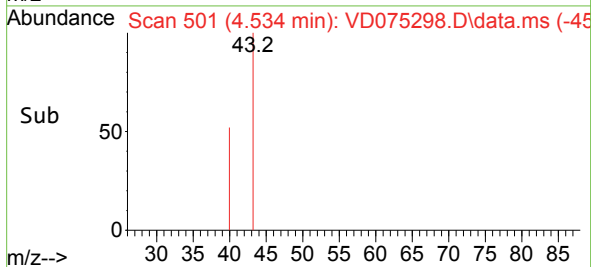
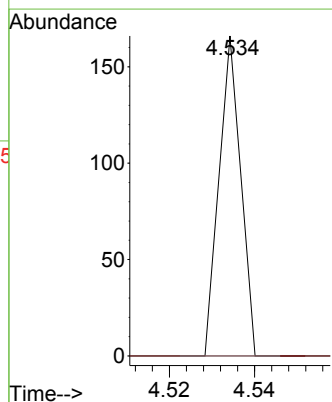
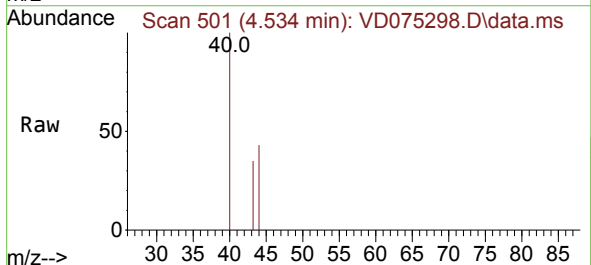
Instrument :
MSVOA_D
ClientSampleId :
UST-1

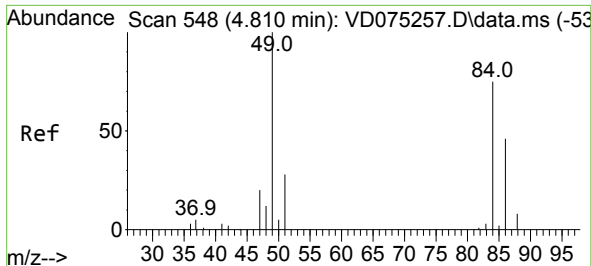
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.534 min Scan# 501
Delta R.T. -0.029 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#

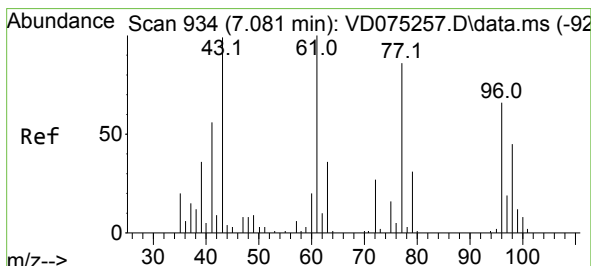
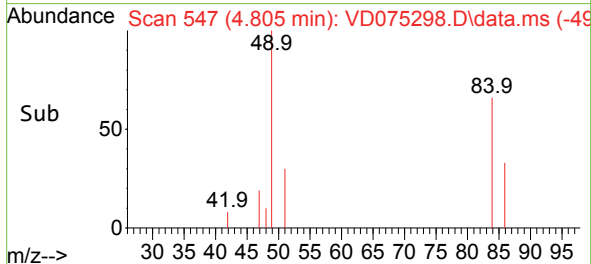
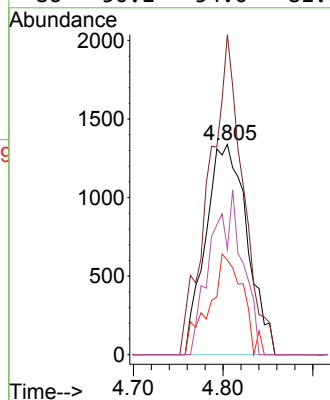
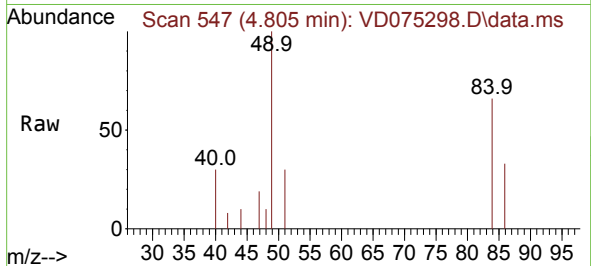




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

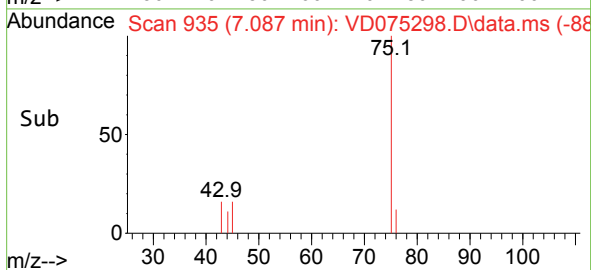
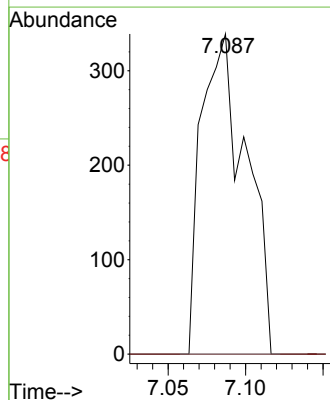
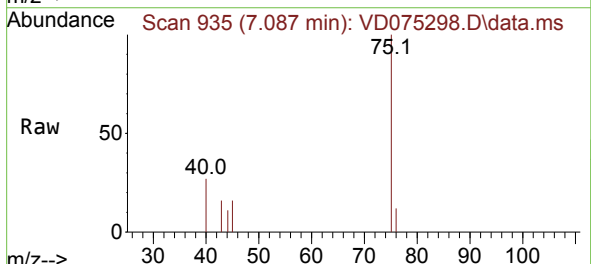
Instrument :
MSVOA_D
ClientSampleId :
UST-1

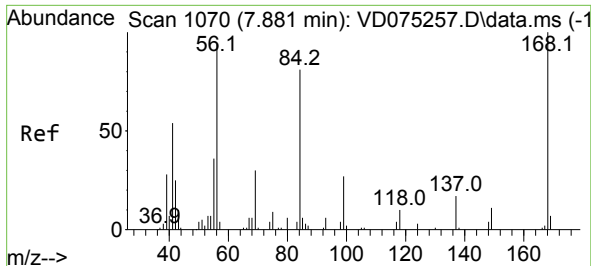
Tgt Ion: 84 Resp: 4307
Ion Ratio Lower Upper
84 100
49 152.2 97.0 145.6#
51 44.9 30.9 46.3
86 50.1 54.0 81.0#



#25
2-Butanone
Concen: 2.275 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#

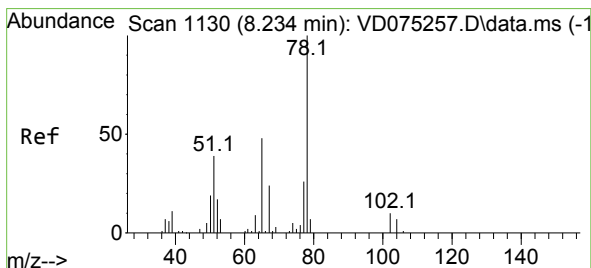
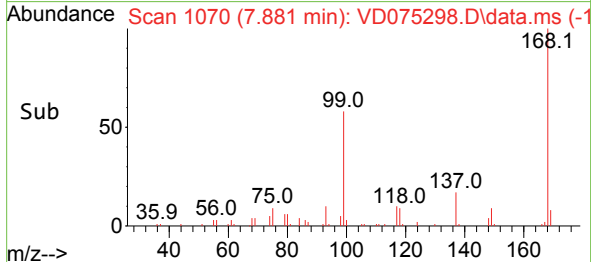
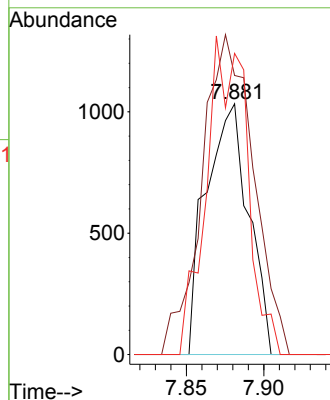
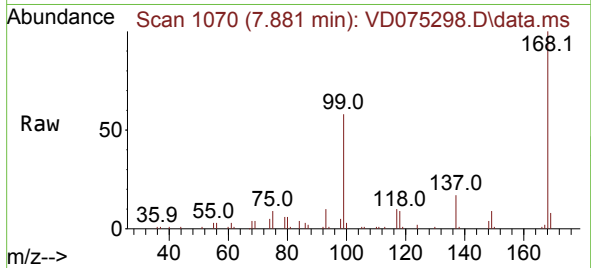




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

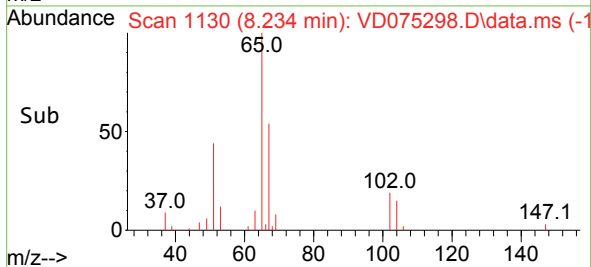
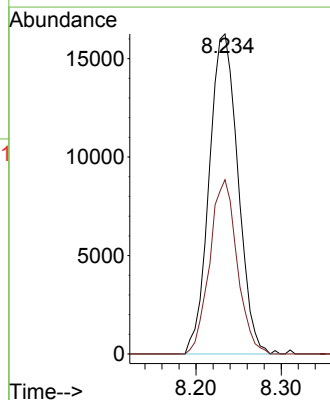
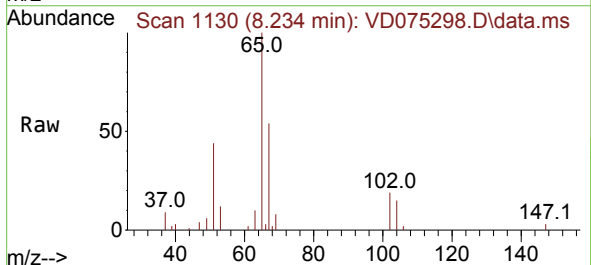
Instrument :
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ClientSampleId :
UST-1

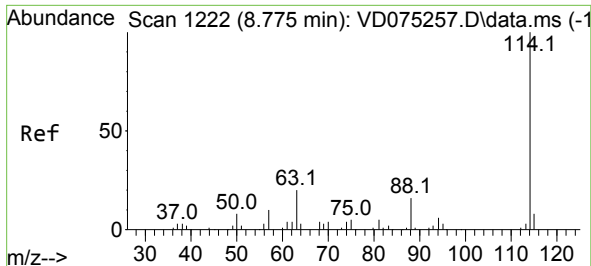
Tgt Ion: 56 Resp: 1977
Ion Ratio Lower Upper
56 100
69 96.1 26.6 40.0#
84 120.1 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 41.748 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 65 Resp: 38196
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075298.D

Acq: 09 Feb 2023 17:06

Instrument :

MSVOA_D

ClientSampleId :

UST-1

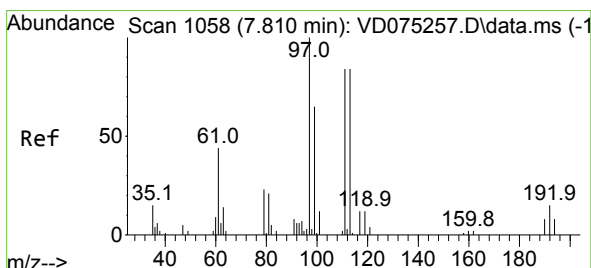
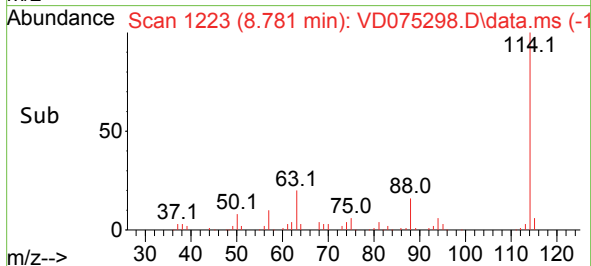
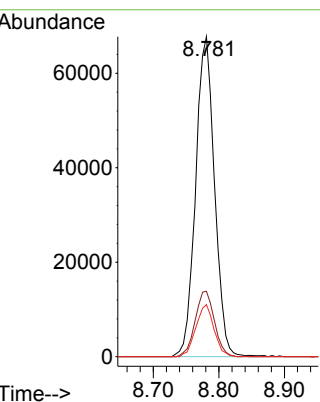
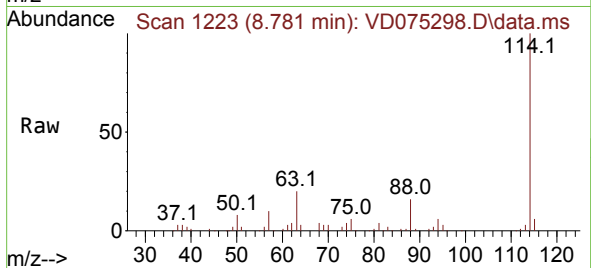
Tgt Ion:114 Resp: 135881

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 42.826 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.001 min

Lab File: VD075298.D

Acq: 09 Feb 2023 17:06

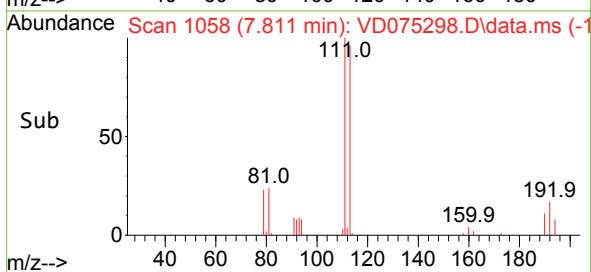
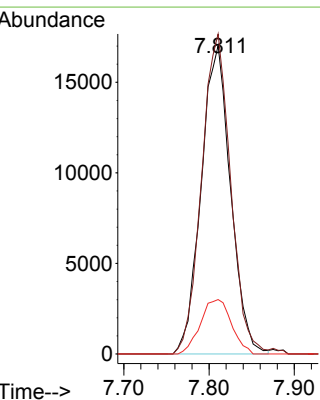
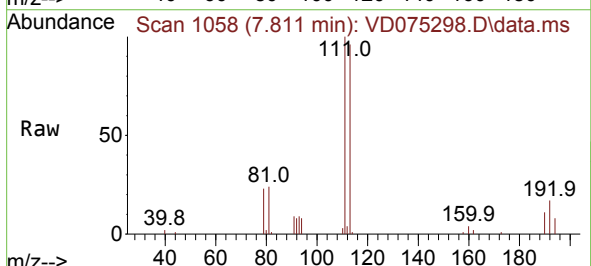
Tgt Ion:113 Resp: 40804

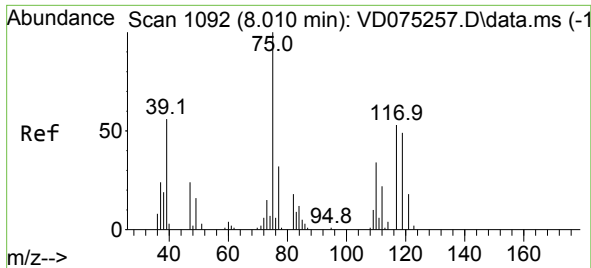
Ion Ratio Lower Upper

113 100

111 102.5 80.1 120.1

192 18.6 15.4 23.0

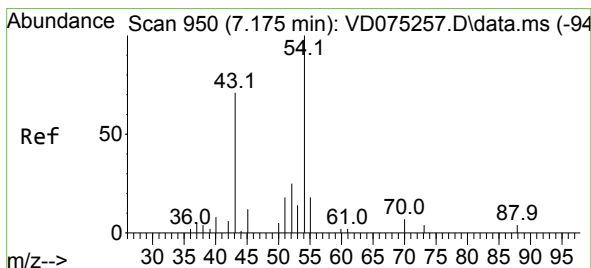
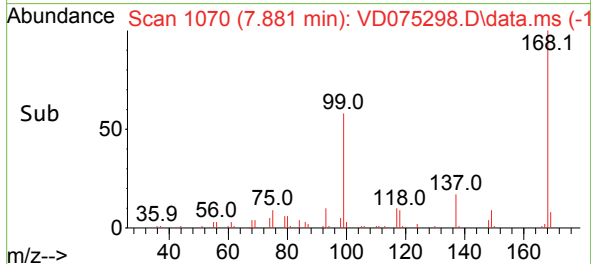
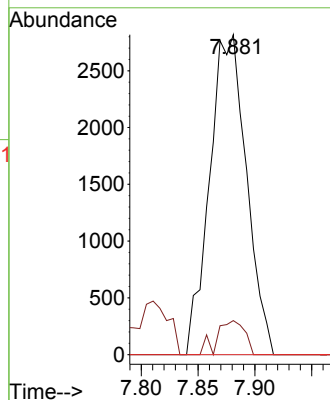
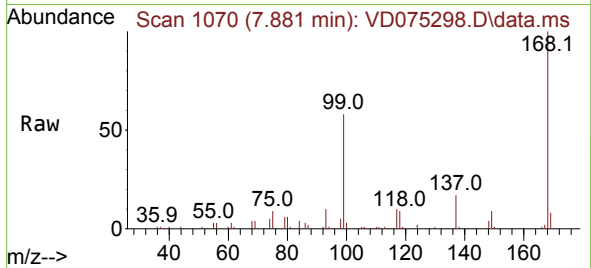




#36
1,1-Dichloropropene
Concen: 4.273 ug/l
RT: 7.881 min Scan# 1092
Delta R.T. -0.129 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

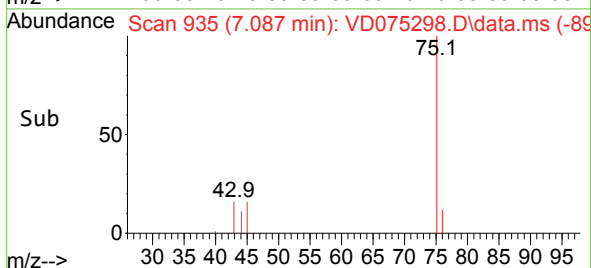
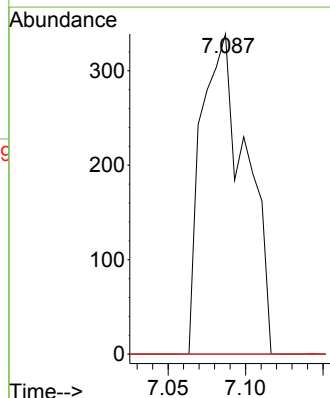
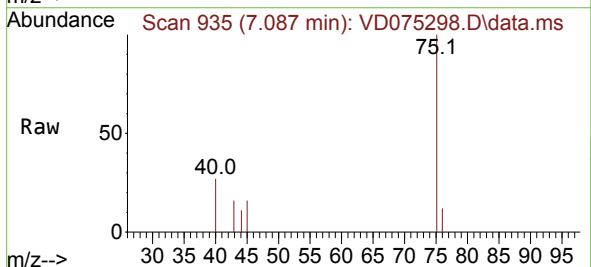
Instrument :
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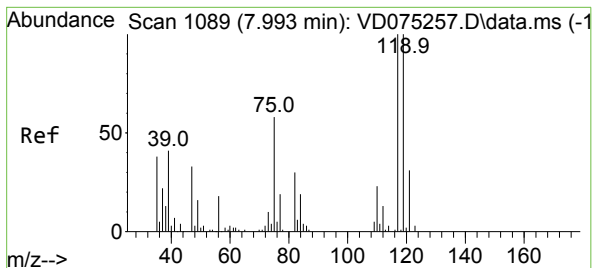
Tgt Ion: 75 Resp: 6342
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.054 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.088 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.873 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075298.D

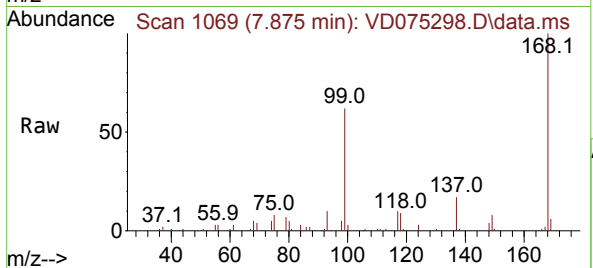
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Instrument :

MSVOA_D

ClientSampleId :

UST-1



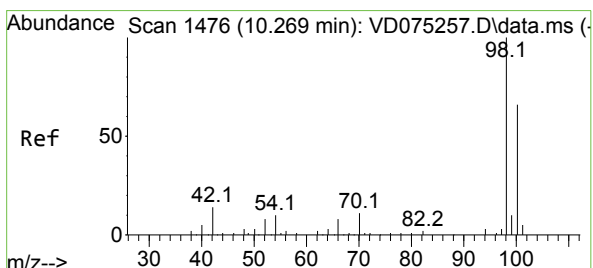
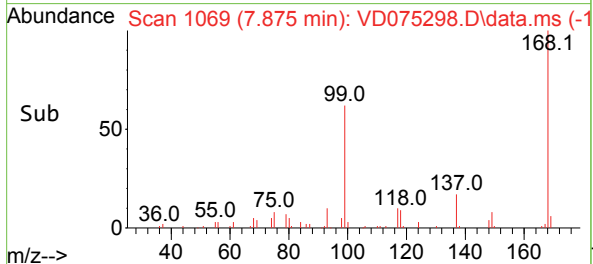
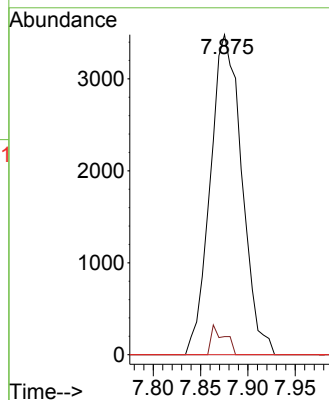
Tgt Ion:117 Resp: 8078

Ion Ratio Lower Upper

117 100

119 5.7 73.6 110.4#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 46.974 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075298.D

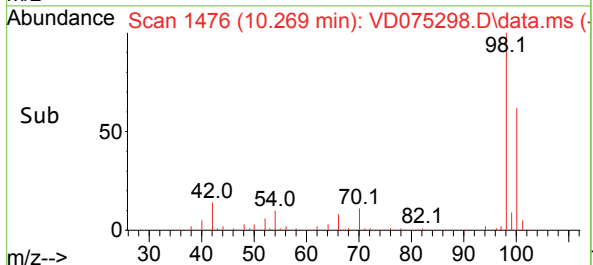
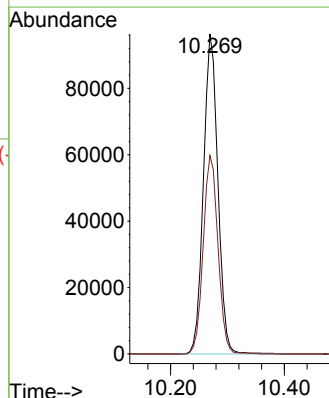
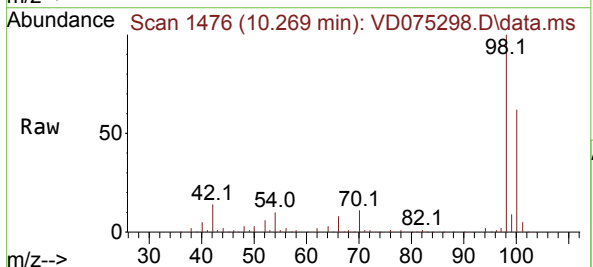
Acq: 09 Feb 2023 17:06

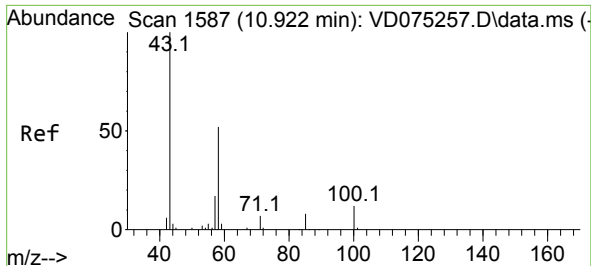
Tgt Ion: 98 Resp: 169733

Ion Ratio Lower Upper

98 100

100 63.5 52.7 79.1

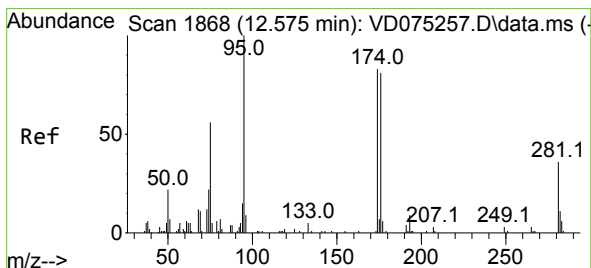
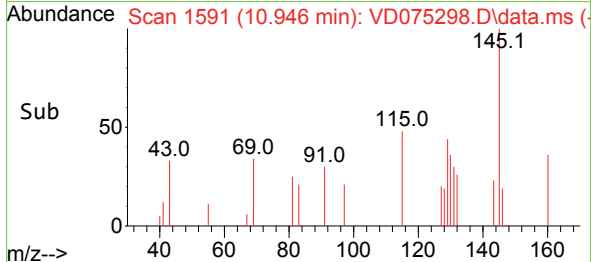
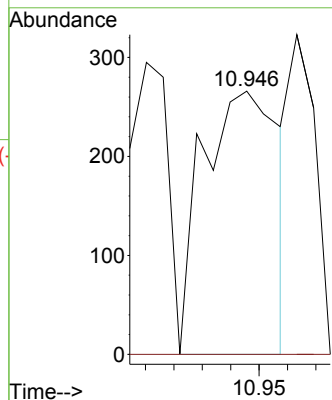
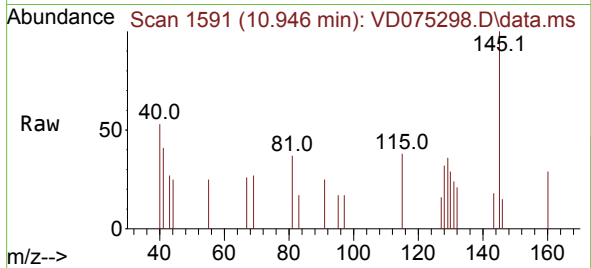




#59
2-Hexanone
Concen: 1.084 ug/l
RT: 10.946 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

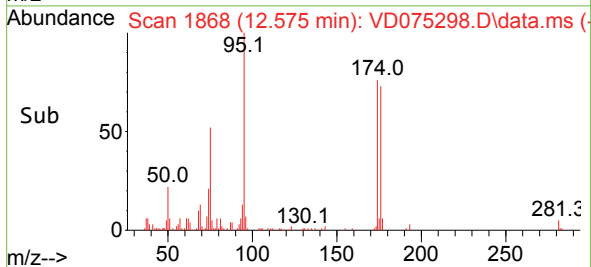
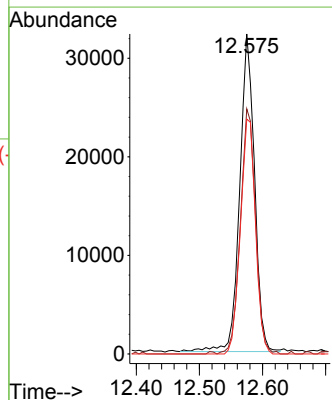
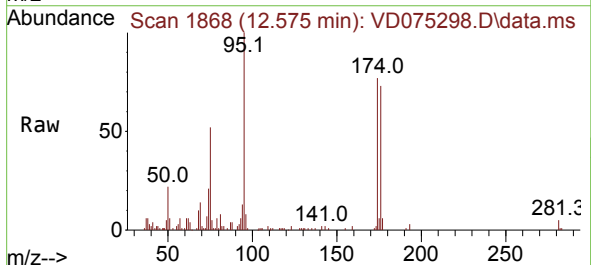
Instrument :
MSVOA_D
ClientSampleId :
UST-1

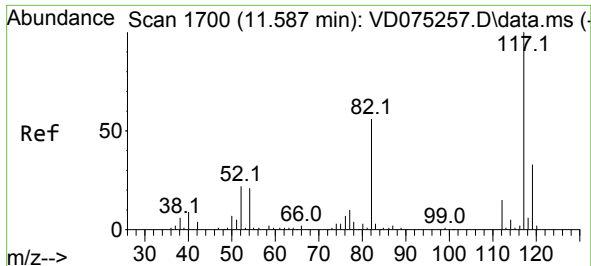
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 0.0 26.8 80.4#



#62
4-Bromofluorobenzene
Concen: 44.033 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion: 95 Resp: 52463
Ion Ratio Lower Upper
95 100
174 79.0 0.0 161.2
176 75.4 0.0 160.2

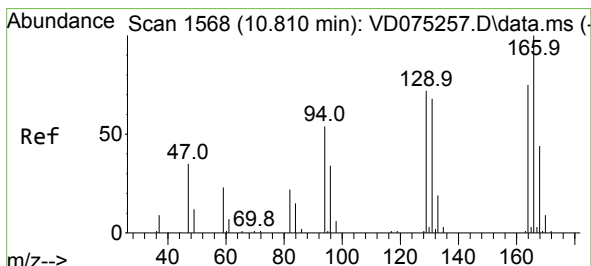
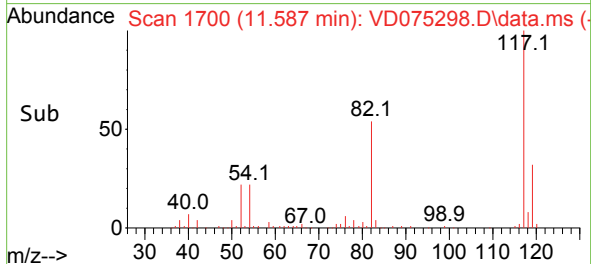
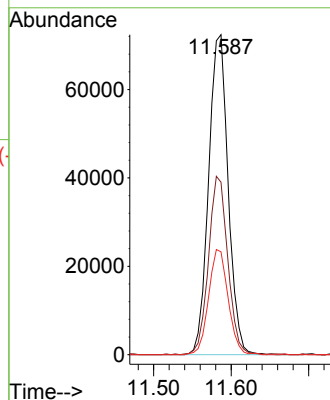
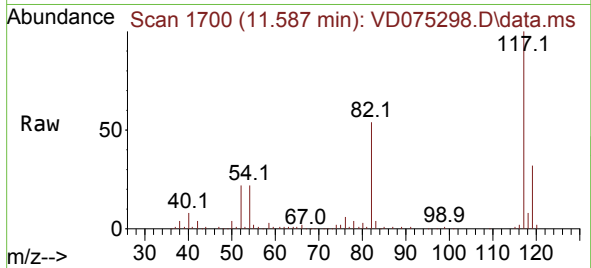




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

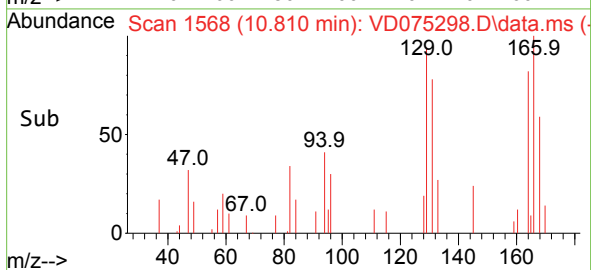
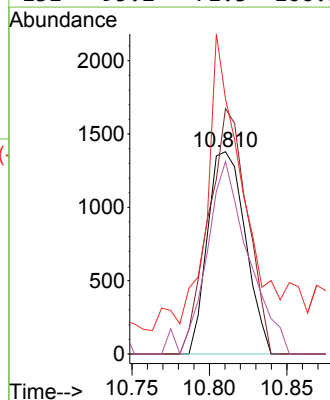
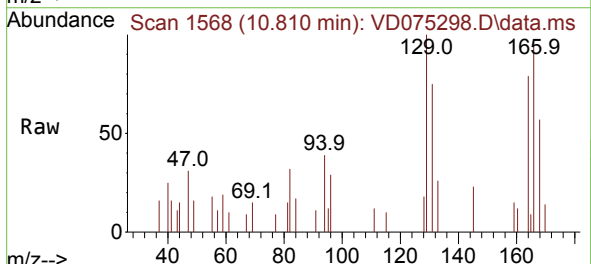
Instrument :
MSVOA_D
ClientSampleId :
UST-1

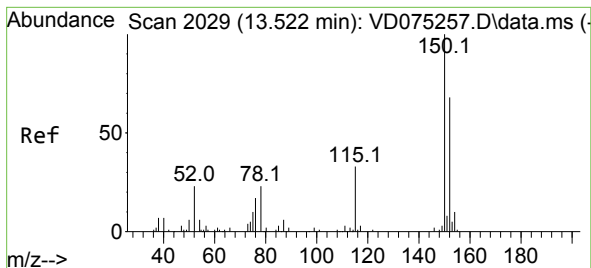
Tgt Ion:117 Resp: 126898
Ion Ratio Lower Upper
117 100
82 53.9 39.6 59.4
119 32.1 24.6 37.0



#64
Tetrachloroethene
Concen: 2.393 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075298.D
Acq: 09 Feb 2023 17:06

Tgt Ion:164 Resp: 2339
Ion Ratio Lower Upper
164 100
166 121.4 105.3 157.9
129 111.3 76.2 114.4
131 95.2 71.3 106.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075298.D

Acq: 09 Feb 2023 17:06

Instrument :

MSVOA_D

ClientSampleId :

UST-1

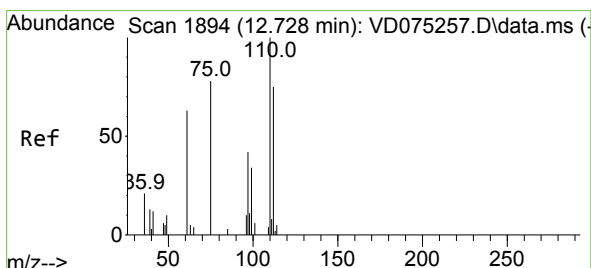
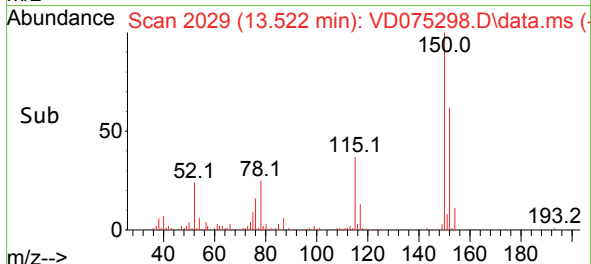
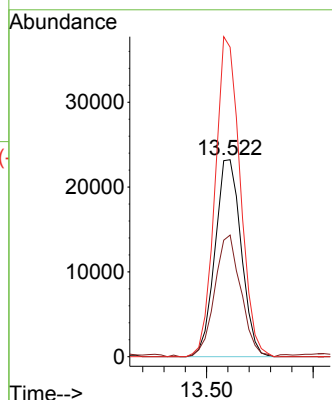
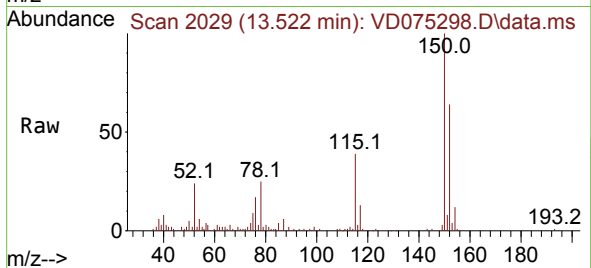
Tgt Ion:152 Resp: 39523

Ion Ratio Lower Upper

152 100

115 61.6 28.8 86.4

150 155.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 61.730 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075298.D

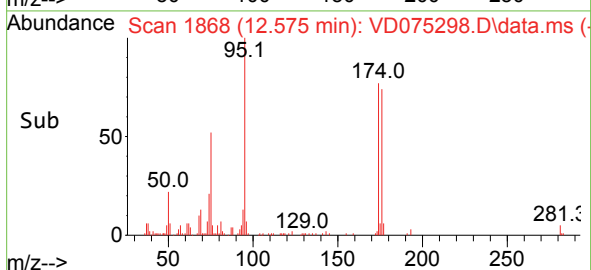
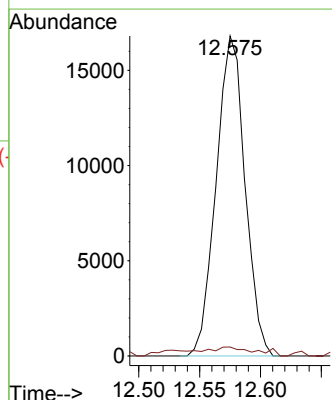
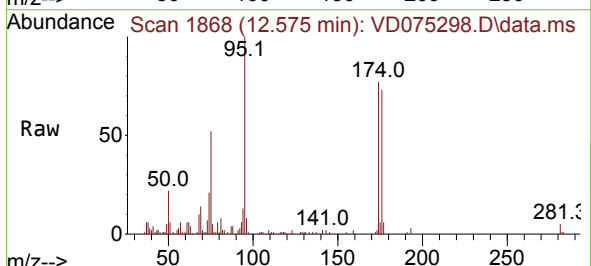
Acq: 09 Feb 2023 17:06

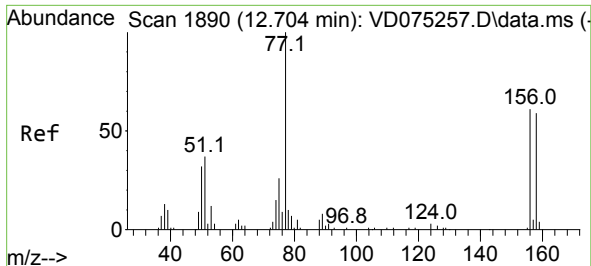
Tgt Ion: 75 Resp: 27712

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

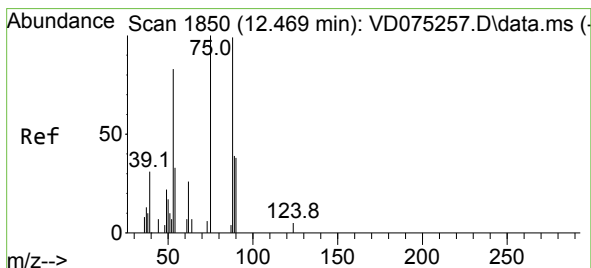
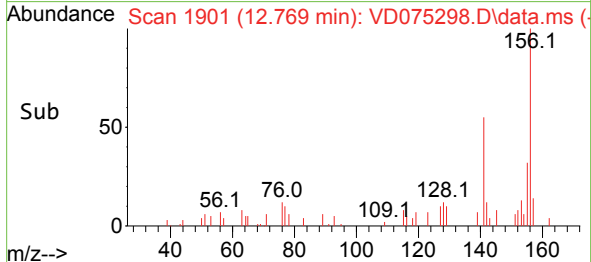
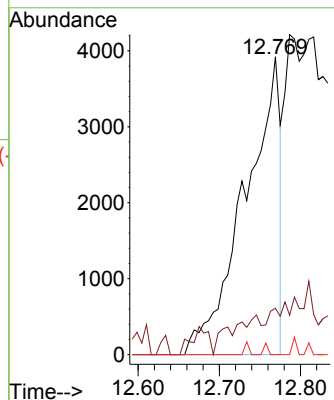
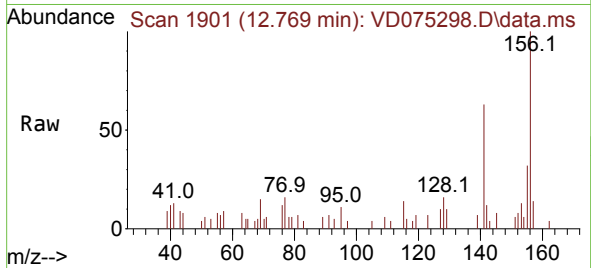




#77
 Bromobenzene
 Concen: 16.217 ug/l
 RT: 12.769 min Scan# 1890
 Delta R.T. 0.065 min
 Lab File: VD075298.D
 Acq: 09 Feb 2023 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 UST-1

Tgt Ion:156 Resp: 11758
 Ion Ratio Lower Upper
 156 100
 77 1.6 85.6 256.8#
 158 0.5 47.3 141.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 194.075 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD075298.D
 Acq: 09 Feb 2023 17:06

Tgt Ion: 75 Resp: 27712
 Ion Ratio Lower Upper
 75 100
 53 3.7 70.5 105.7#
 89 0.0 34.6 52.0#

