

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075297.D
 Acq On : 09 Feb 2023 16:38
 Operator : KP/SY
 Sample : 01508-01
 Misc : 5.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RS-1

Quant Time: Feb 10 02:04:07 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)

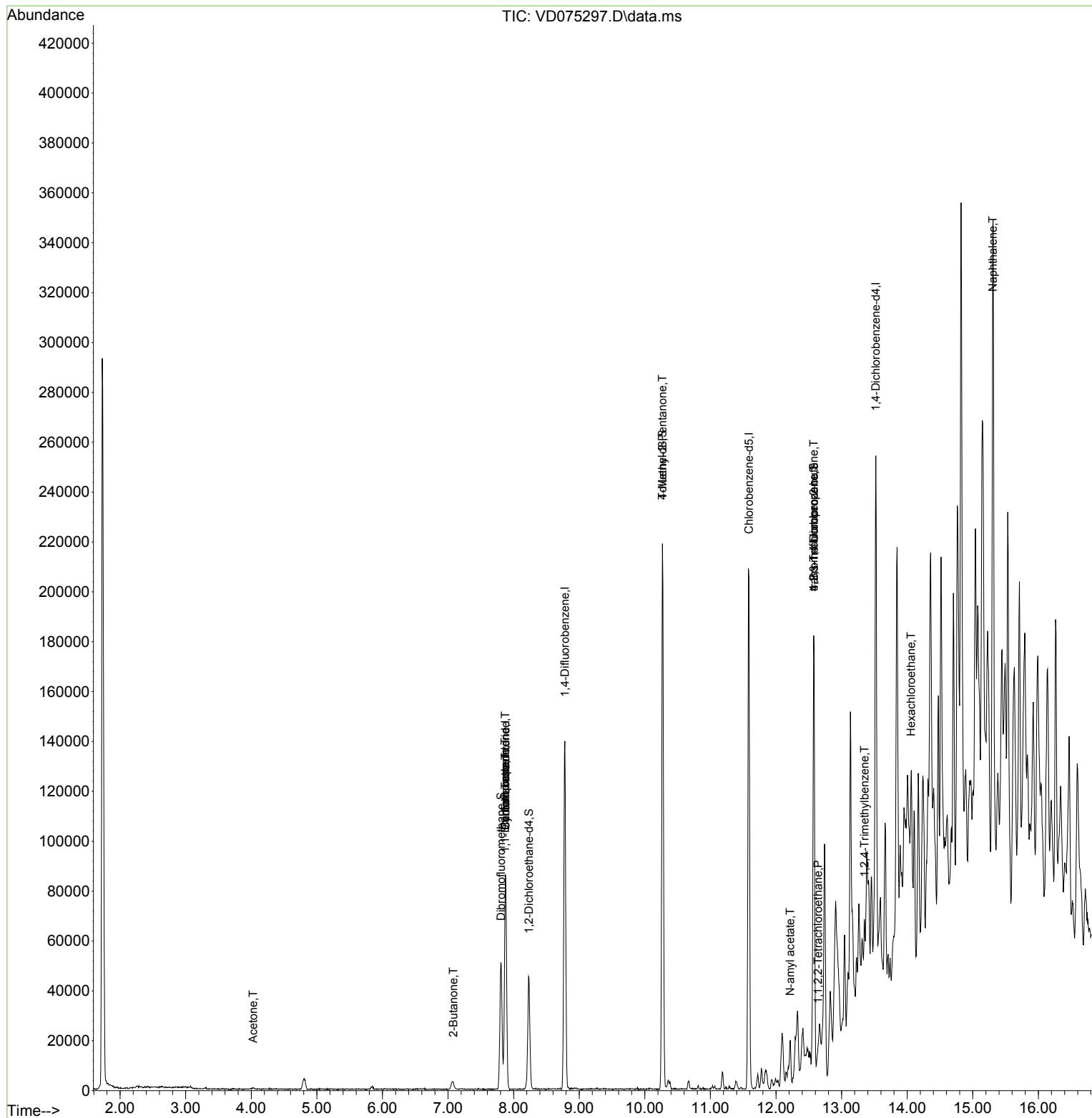
Internal Standards						
1) Pentafluorobenzene	7.875	168	64397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	119339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	115280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	52277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33457	44.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.620%		
35) Dibromofluoromethane	7.810	113	36155	43.206	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.420%		
50) Toluene-d8	10.269	98	142975	45.053	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.100%		
62) 4-Bromofluorobenzene	12.575	95	50702	48.454	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.900%		
Target Compounds					Qvalue	
16) Acetone	4.028	43	726	3.636	ug/l #	42
20) Methylene Chloride	4.787	84	3133	Below Cal	#	64
25) 2-Butanone	7.081	43	420	1.698	ug/l #	50
31) Cyclohexane	7.875	56	1632	1.217	ug/l #	49
36) 1,1-Dichloropropene	7.869	75	5306	4.070	ug/l #	48
38) Carbon Tetrachloride	7.875	117	6719	5.563	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	852	1.551	ug/l #	1
74) N-amyl acetate	12.216	43	3951	4.152	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.640	83	1204	1.634	ug/l #	26
76) 1,2,3-Trichloropropane	12.575	75	27910	47.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27910	148.274	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.351	105	4611	1.309	ug/l #	30
90) Hexachloroethane	14.057	117	1145	1.522	ug/l #	15
95) Naphthalene	15.304	128	4101	2.092	ug/l #	1

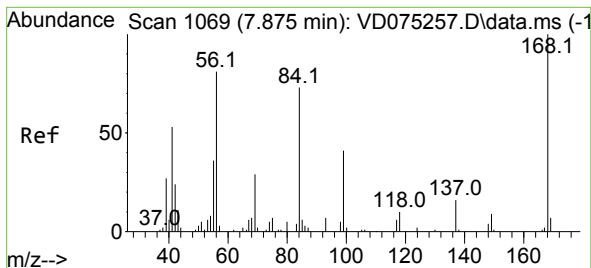
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD075297.D

Acq: 09 Feb 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

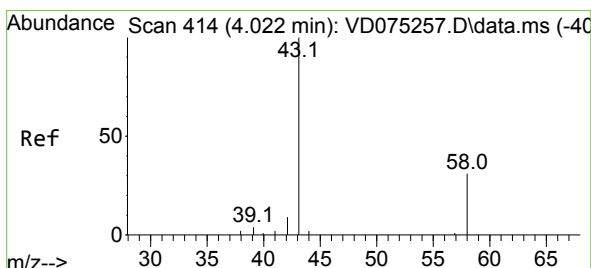
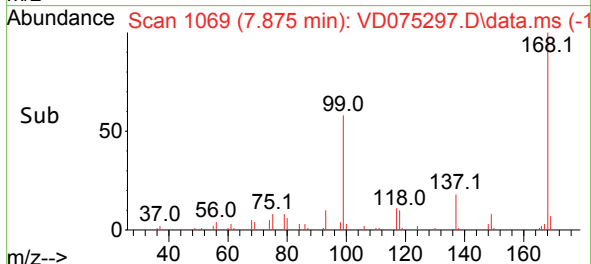
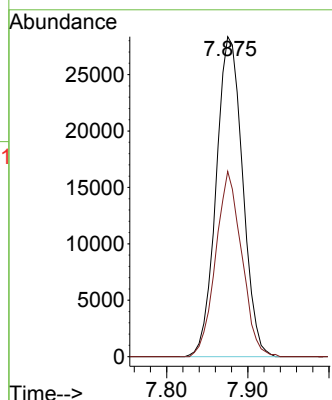
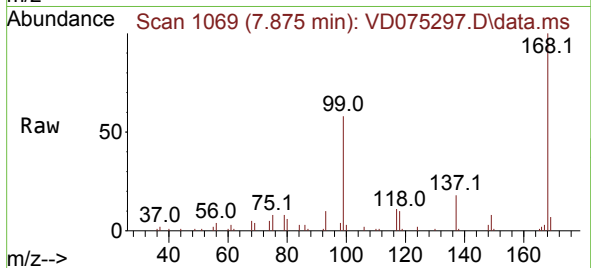
RS-1

Tgt Ion:168 Resp: 64397

Ion Ratio Lower Upper

168 100

99 57.9 45.2 67.8



#16

Acetone

Concen: 3.636 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD075297.D

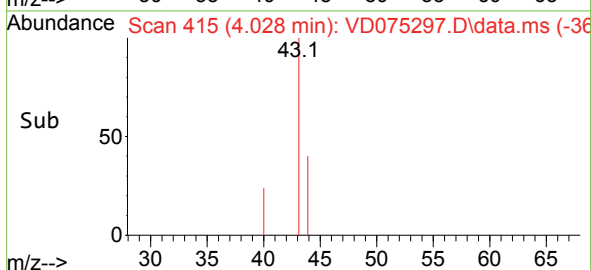
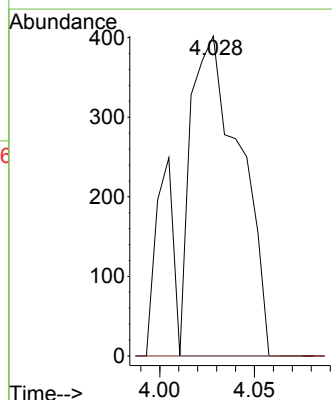
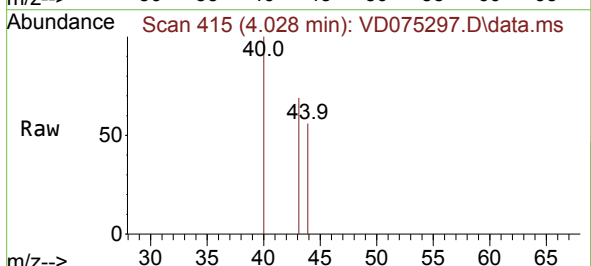
Acq: 09 Feb 2023 16:38

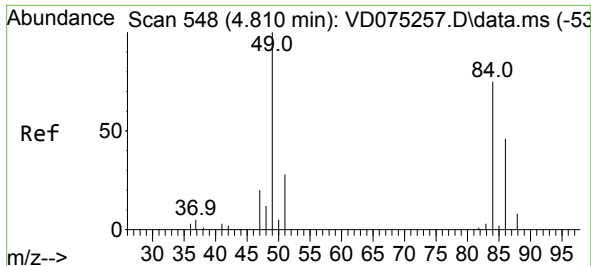
Tgt Ion: 43 Resp: 726

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#

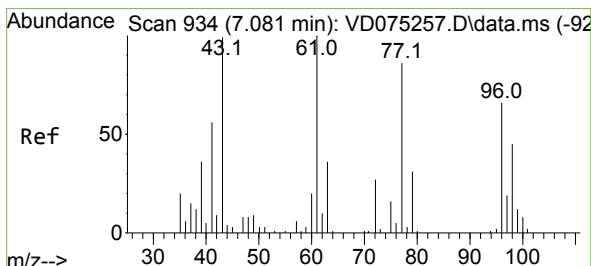
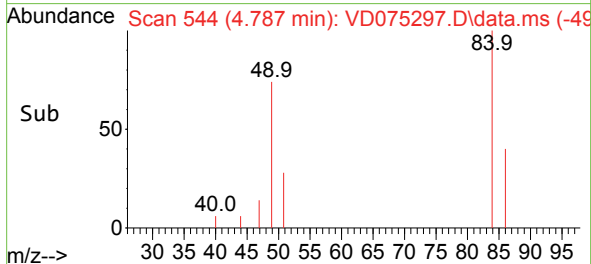
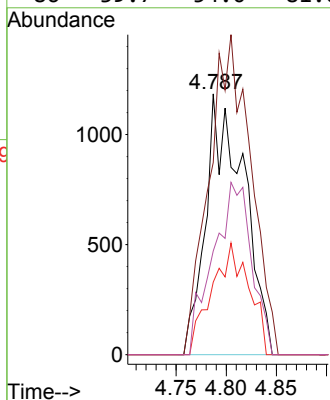
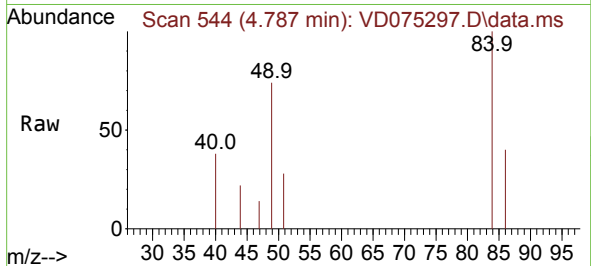




#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. -0.023 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

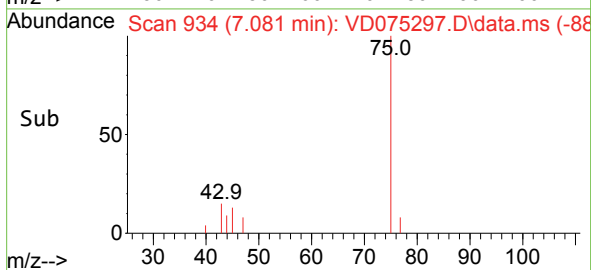
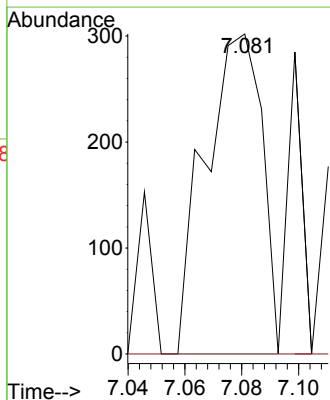
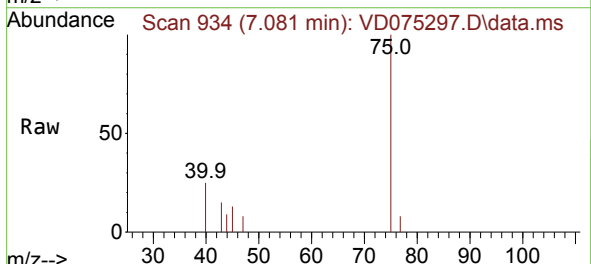
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RS-1

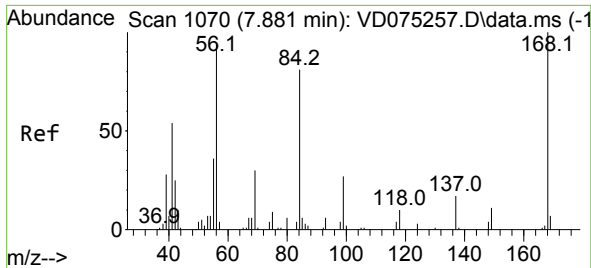
Tgt	Ion: 84	Resp:	3133
Ion	Ratio	Lower	Upper
84	100		
49	73.7	97.0	145.6#
51	27.8	30.9	46.3#
86	39.7	54.0	81.0#



#25
2-Butanone
Concen: 1.698 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 43	Resp: 420
Ion Ratio	Lower Upper
43 100	
72 0.0	19.8 29.8#

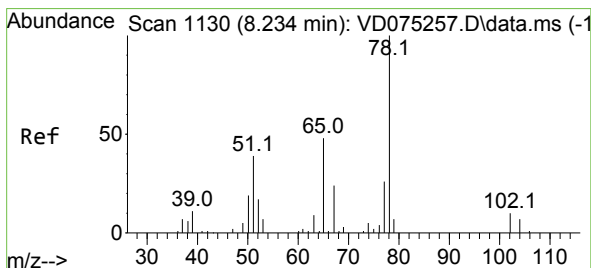
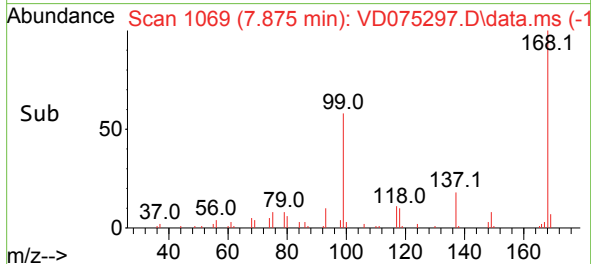
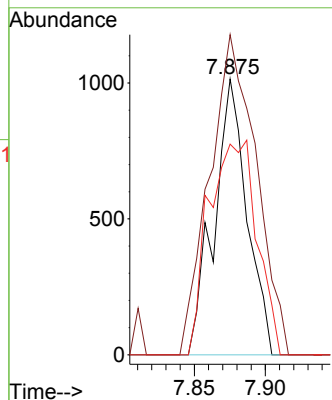
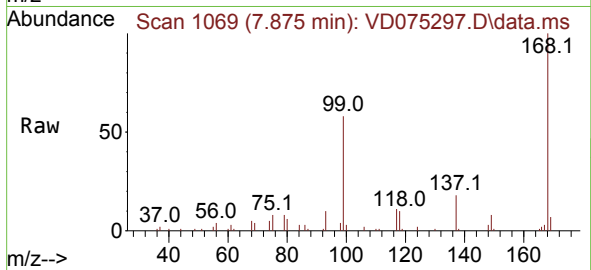




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

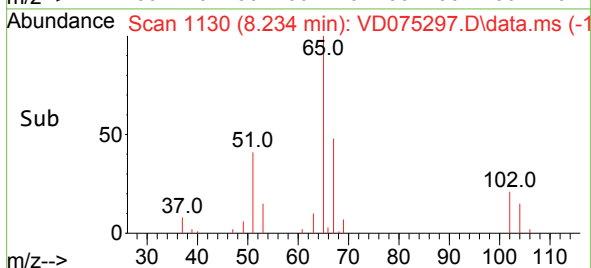
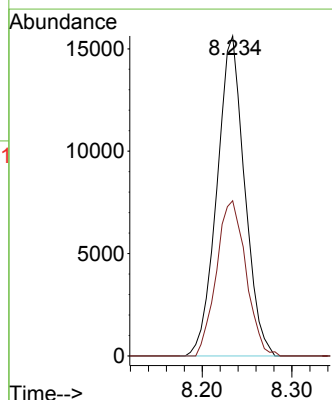
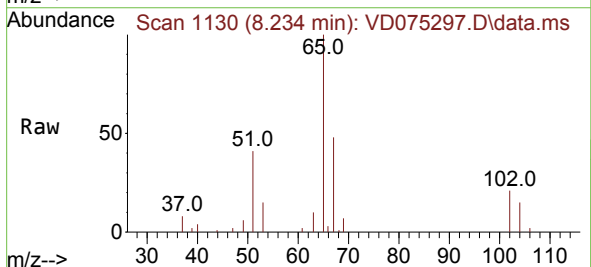
Instrument :
MSVOA_D
ClientSampleId :
RS-1

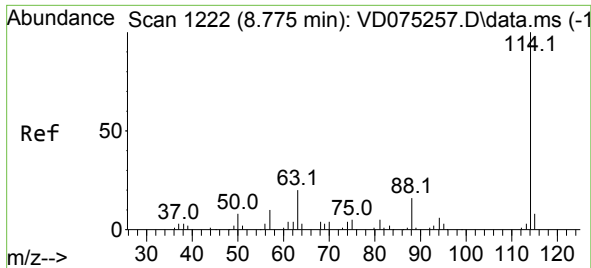
Tgt Ion: 56 Resp: 1632
Ion Ratio Lower Upper
56 100
69 116.1 26.6 40.0#
84 76.4 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 44.308 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 65 Resp: 33457
Ion Ratio Lower Upper
65 100
67 51.7 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: VD075297.D

Acq: 09 Feb 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

RS-1

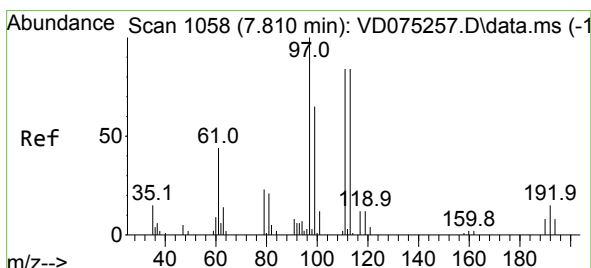
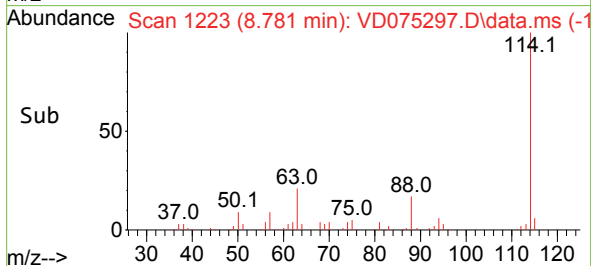
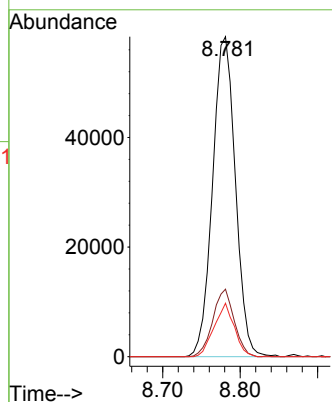
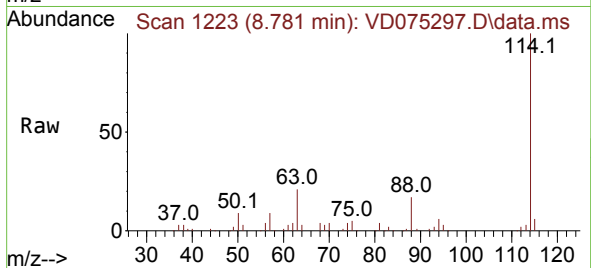
Tgt Ion:114 Resp: 119339

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 16.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 43.206 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075297.D

Acq: 09 Feb 2023 16:38

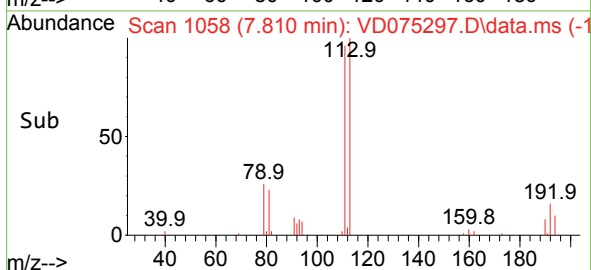
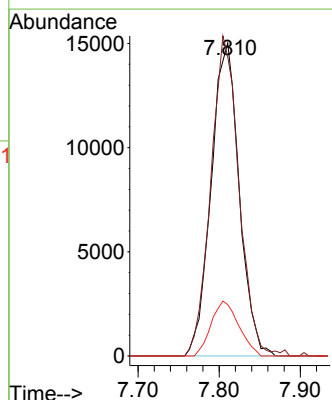
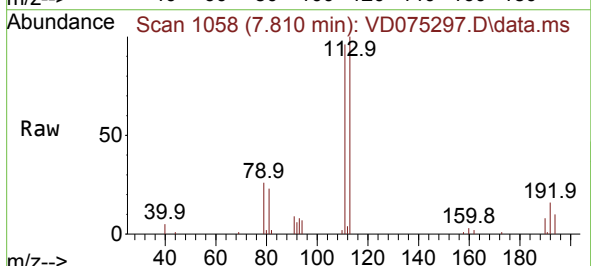
Tgt Ion:113 Resp: 36155

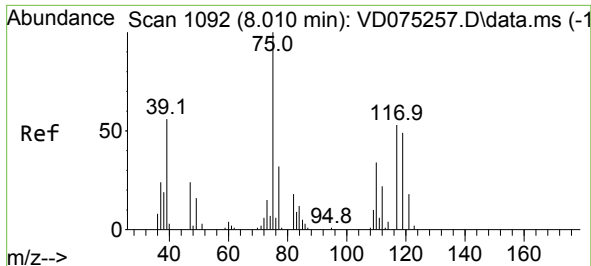
Ion Ratio Lower Upper

113 100

111 102.5 80.1 120.1

192 17.3 15.4 23.0

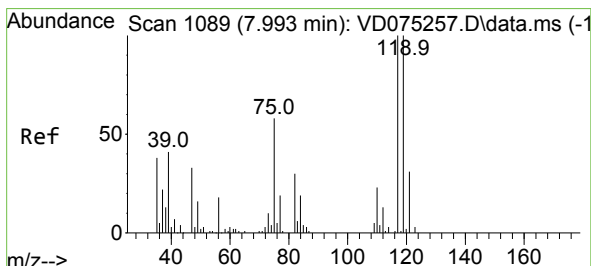
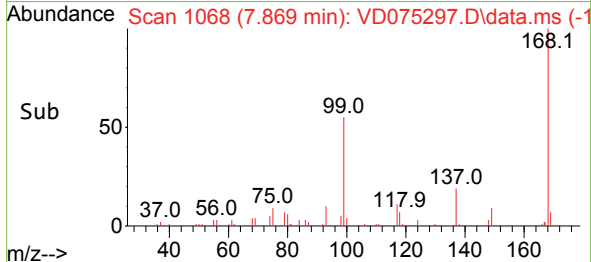
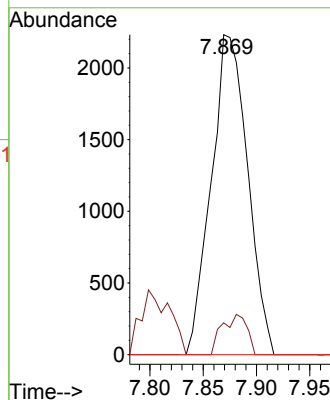
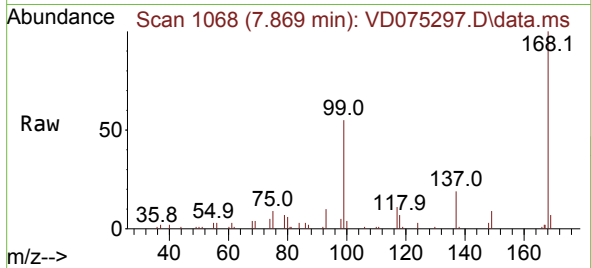




#36
 1,1-Dichloropropene
 Concen: 4.070 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VD075297.D
 Acq: 09 Feb 2023 16:38

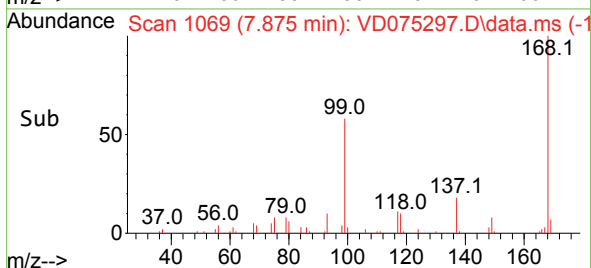
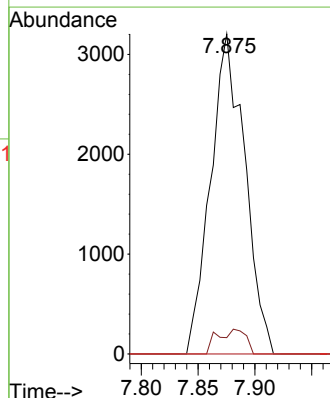
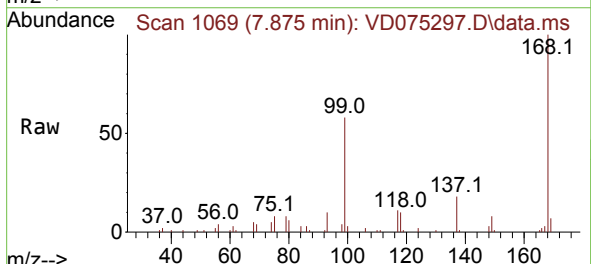
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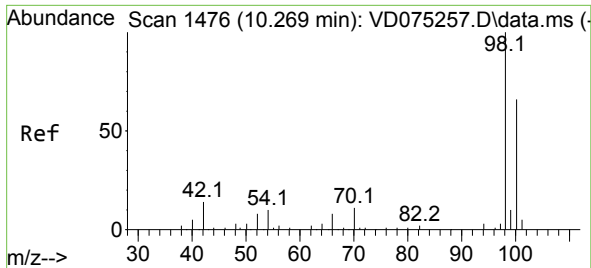
Tgt Ion: 75 Resp: 5306
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.563 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.118 min
 Lab File: VD075297.D
 Acq: 09 Feb 2023 16:38

Tgt Ion: 117 Resp: 6719
 Ion Ratio Lower Upper
 117 100
 119 5.1 73.6 110.4#
 121 0.0 25.4 38.0#

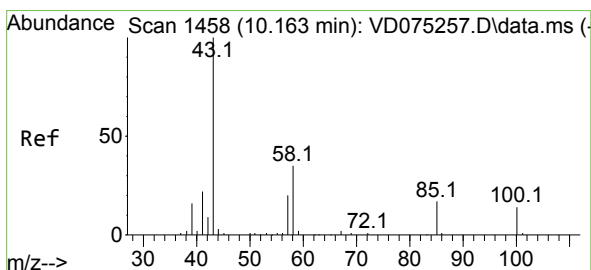
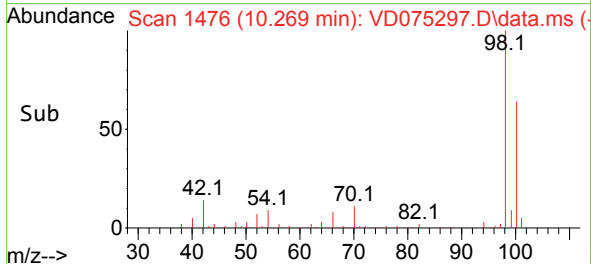
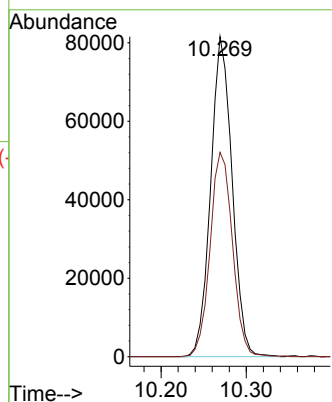
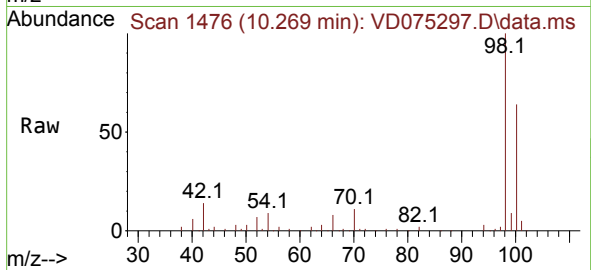




#50
Toluene-d8
Concen: 45.053 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

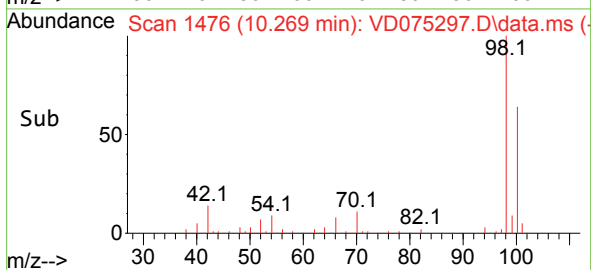
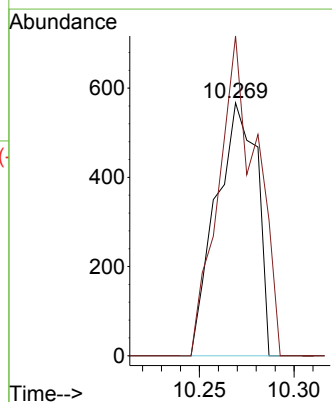
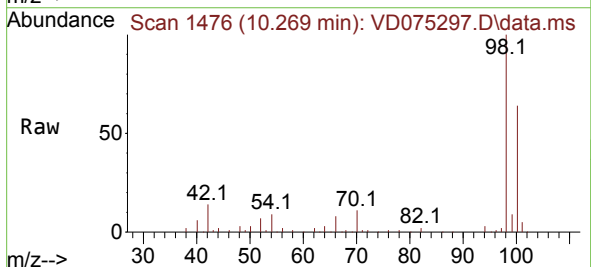
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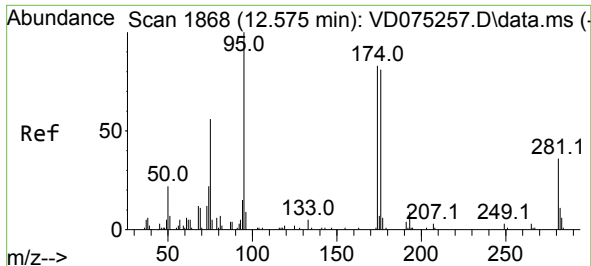
Tgt Ion: 98 Resp: 142975
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.551 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 118.8 31.4 47.0#

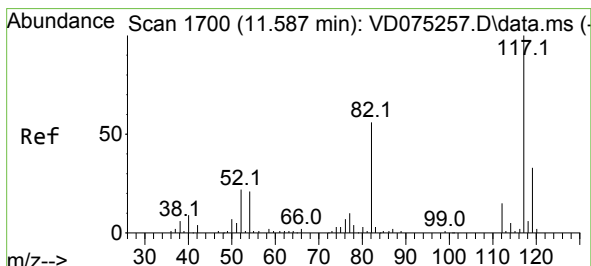
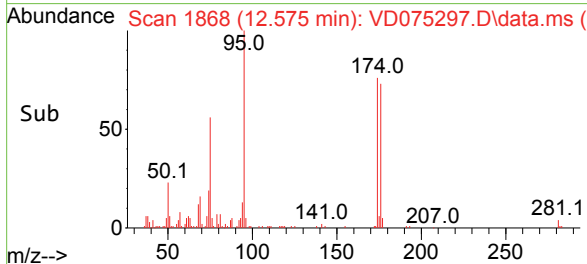
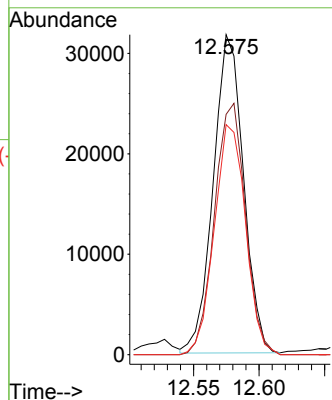
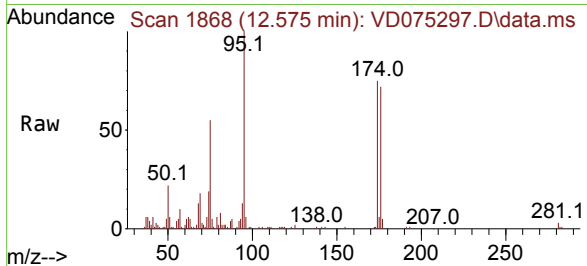




#62
4-Bromofluorobenzene
Concen: 48.454 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

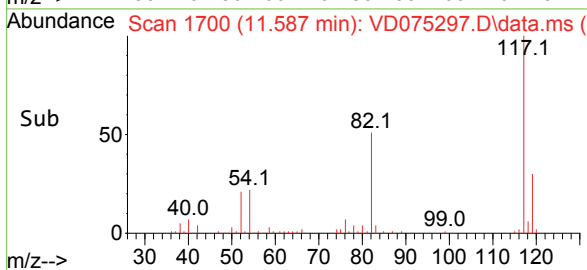
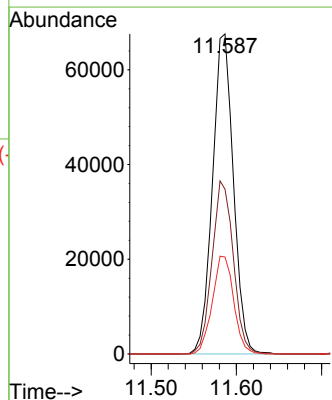
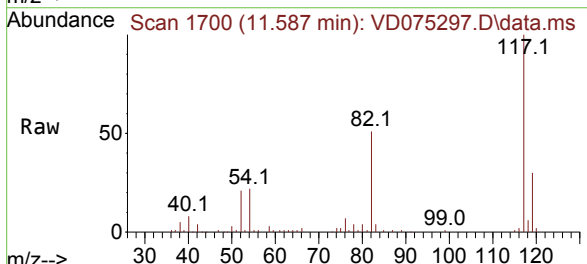
Instrument :
MSVOA_D
ClientSampleId :
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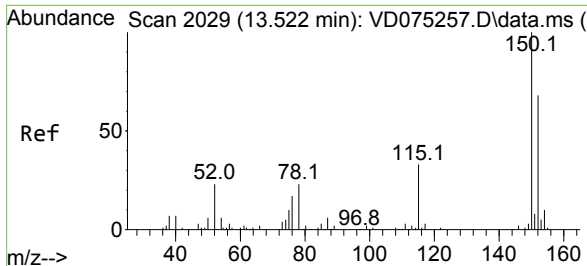
Tgt Ion: 95 Resp: 50702
Ion Ratio Lower Upper
95 100
174 81.2 0.0 161.2
176 74.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 117 Resp: 115280
Ion Ratio Lower Upper
117 100
82 51.5 39.6 59.4
119 30.3 24.6 37.0

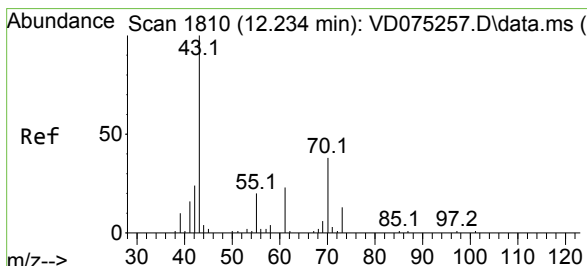
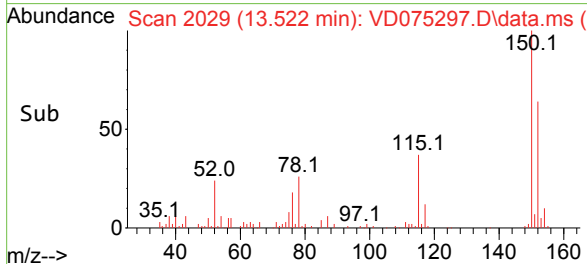
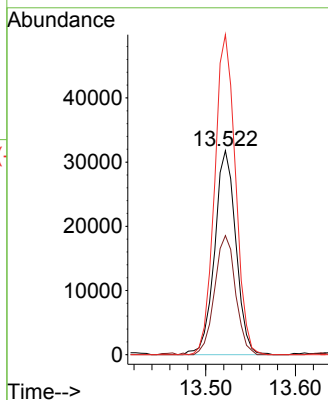
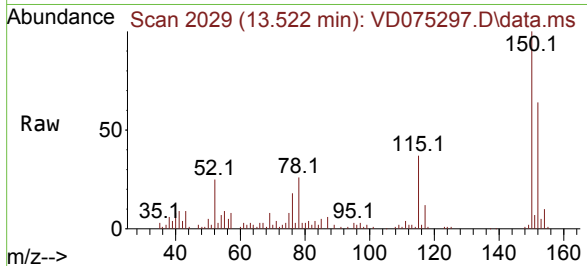




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

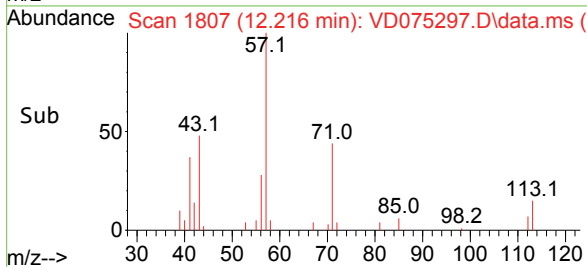
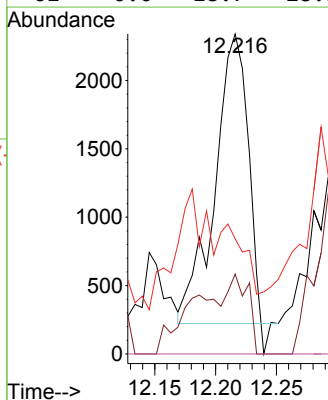
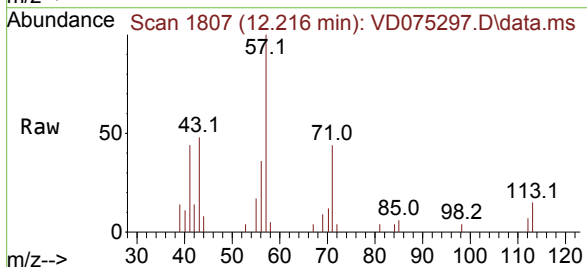
Instrument :
MSVOA_D
ClientSampleId :
RS-1

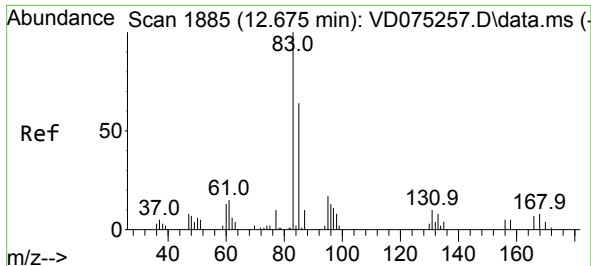
Tgt Ion:152 Resp: 52277
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.4
150 153.6 0.0 348.6



#74
N-ethyl acetate
Concen: 4.152 ug/l
RT: 12.216 min Scan# 1807
Delta R.T. -0.018 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 43 Resp: 3951
Ion Ratio Lower Upper
43 100
70 17.7 32.6 49.0#
55 0.0 17.8 26.8#
61 0.0 18.7 28.1#

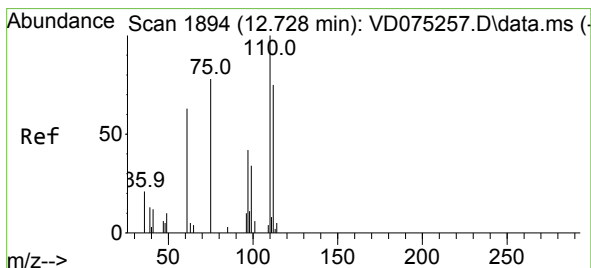
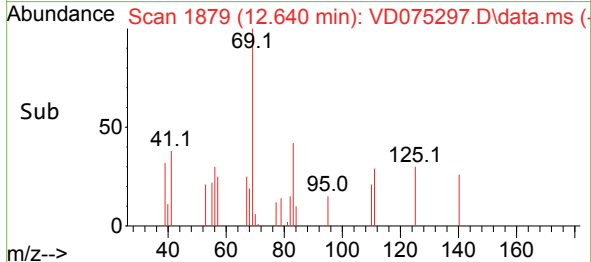
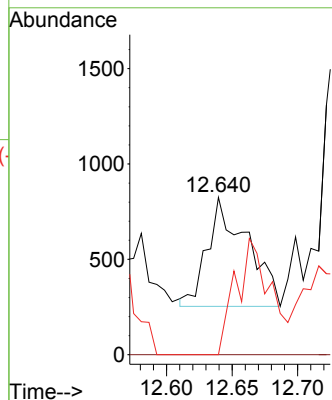
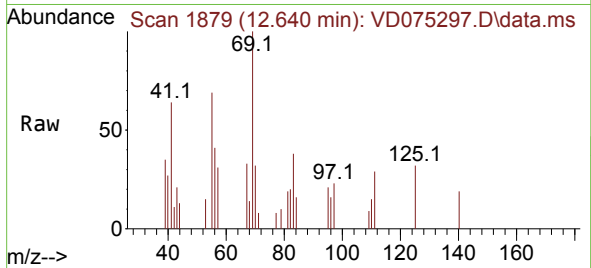




#75
1,1,2,2-Tetrachloroethane
Concen: 1.634 ug/l
RT: 12.640 min Scan# 1867
Delta R.T. -0.035 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

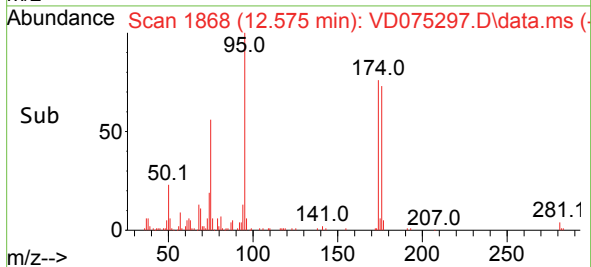
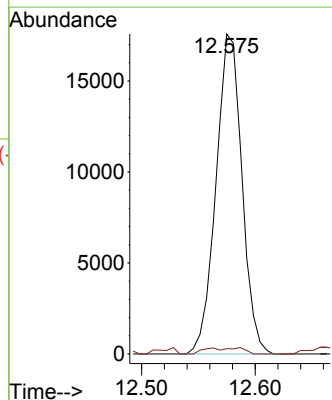
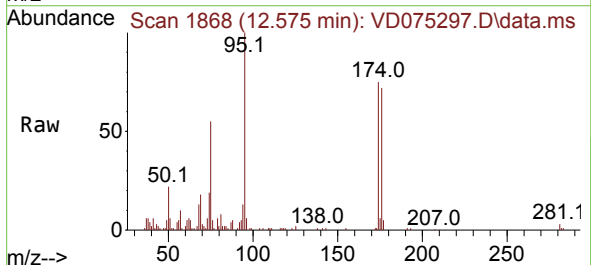
Instrument :
MSVOA_D
ClientSampleId :
RS-1

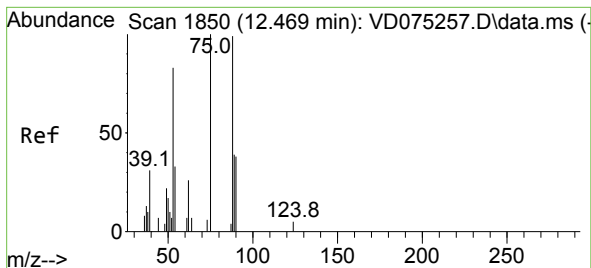
Tgt Ion: 83 Resp: 1204
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 47.003 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 75 Resp: 27910
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

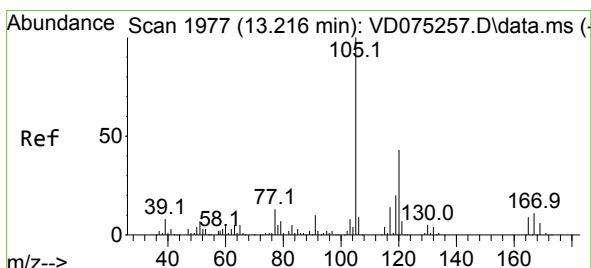
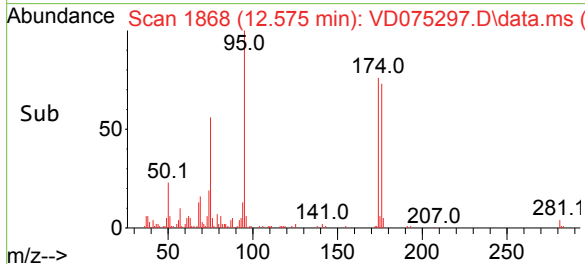
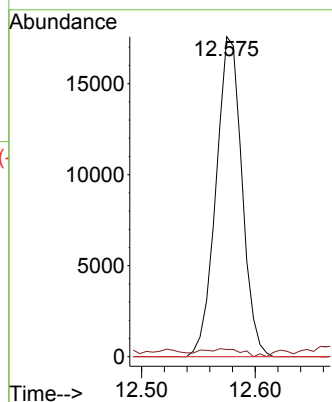
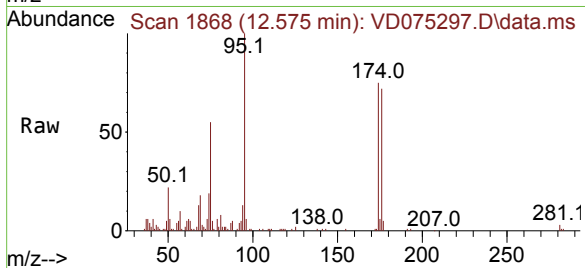




#81
trans-1,4-Dichloro-2-butene
Concen: 148.274 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

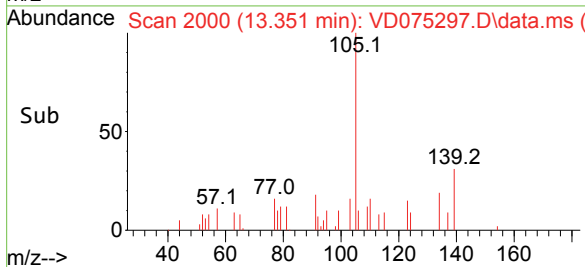
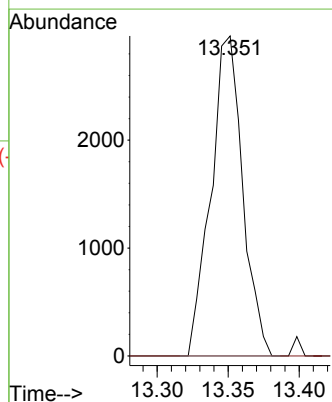
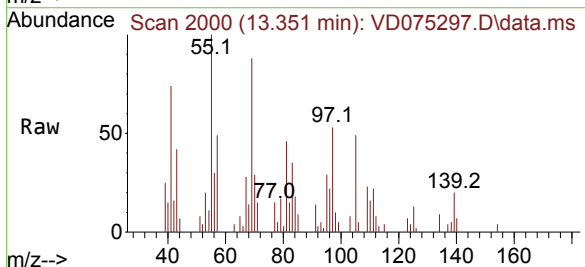
Instrument :
MSVOA_D
ClientSampleId :
RS-1

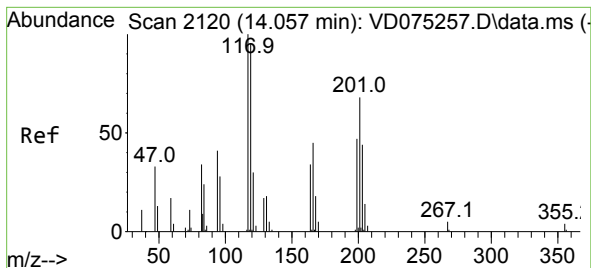
Tgt Ion: 75 Resp: 27910
Ion Ratio Lower Upper
75 100
53 3.7 70.5 105.7#
89 0.0 34.6 52.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.309 ug/l
RT: 13.351 min Scan# 2000
Delta R.T. 0.135 min
Lab File: VD075297.D
Acq: 09 Feb 2023 16:38

Tgt Ion: 105 Resp: 4611
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.5#





#90

Hexachloroethane

Concen: 1.522 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VD075297.D

Acq: 09 Feb 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

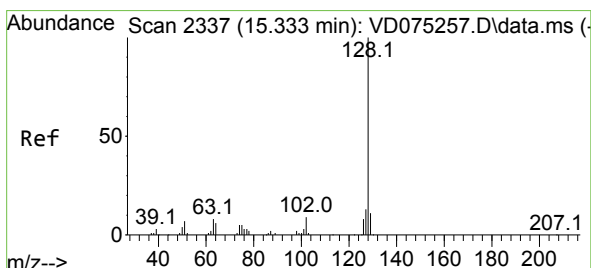
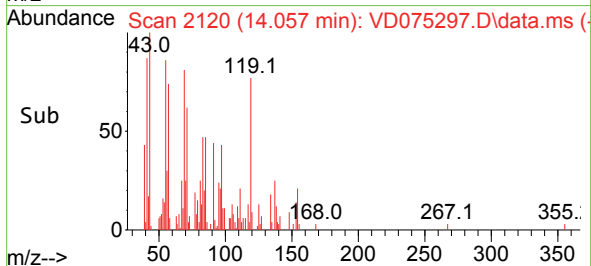
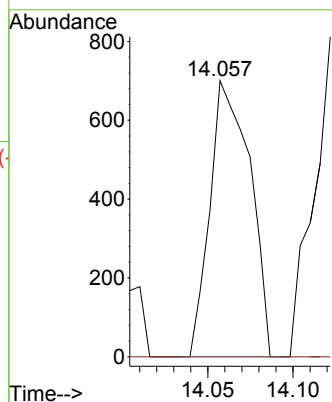
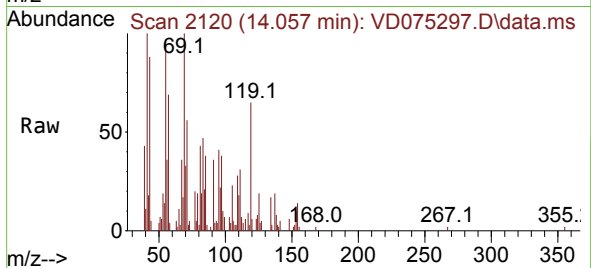
RS-1

Tgt Ion:117 Resp: 1145

Ion Ratio Lower Upper

117 100

201 0.0 35.1 105.5#



#95

Naphthalene

Concen: 2.092 ug/l

RT: 15.304 min Scan# 2332

Delta R.T. -0.029 min

Lab File: VD075297.D

Acq: 09 Feb 2023 16:38

Tgt Ion:128 Resp: 4101

Ion Ratio Lower Upper

128 100

127 87.0 10.6 15.8#

129 77.3 8.7 13.1#

