

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075301.D
 Acq On : 09 Feb 2023 18:30
 Operator : KP/SY
 Sample : 01508-05
 Misc : 4.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 UST-4

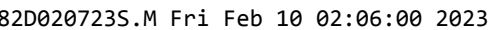
Quant Time: Feb 10 02:05:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

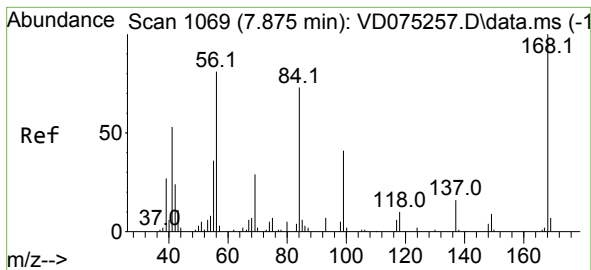
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	72767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	127464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	49997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34528	40.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.940%		
35) Dibromofluoromethane	7.805	113	38604	43.192	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.380%		
50) Toluene-d8	10.269	98	155227	45.796	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.600%		
62) 4-Bromofluorobenzene	12.575	95	49690	44.460	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.920%		
Target Compounds						
3) Chloromethane	2.146	50	134	Below Cal	#	41
18) Methyl Acetate	4.787	43	55	Below Cal	#	52
20) Methylene Chloride	4.805	84	3419	Below Cal	#	91
31) Cyclohexane	7.869	56	1822	1.203	ug/l #	46
36) 1,1-Dichloropropene	7.881	75	6223	4.470	ug/l #	48
38) Carbon Tetrachloride	7.875	117	7642	5.923	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1000	1.705	ug/l #	1
60) Dibromochloromethane	10.810	129	4338	4.980	ug/l #	11
64) Tetrachloroethene	10.810	164	4721	5.043	ug/l	94
76) 1,2,3-Trichloropropane	12.575	75	27732	48.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27732	153.966	ug/l #	14

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

Quant Time: Feb 10 02:05:48 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: VD075301.D

Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

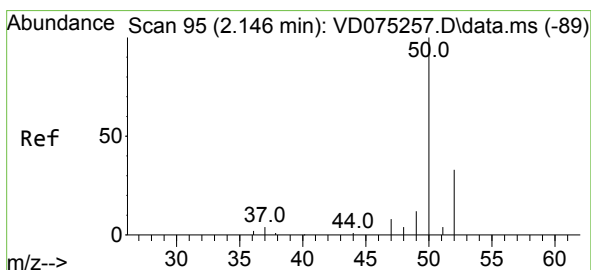
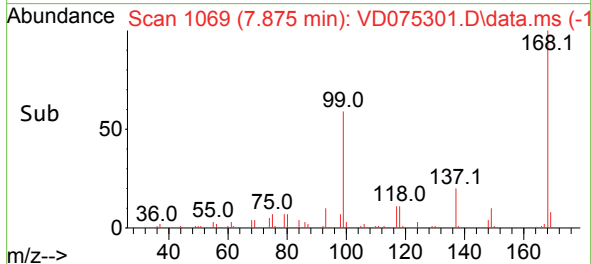
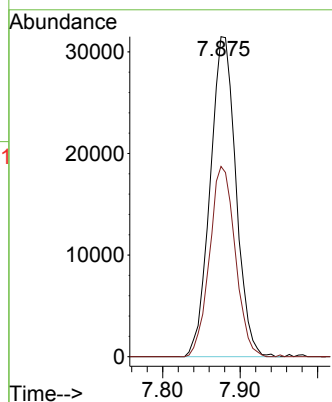
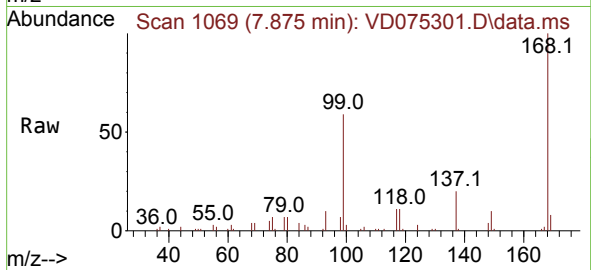
UST-4

Tgt Ion:168 Resp: 72767

Ion Ratio Lower Upper

168 100

99 59.4 45.2 67.8



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD075301.D

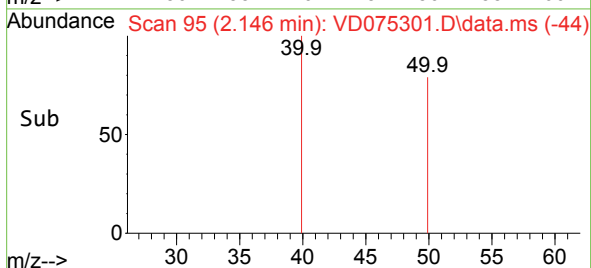
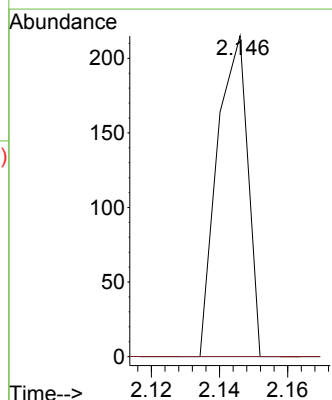
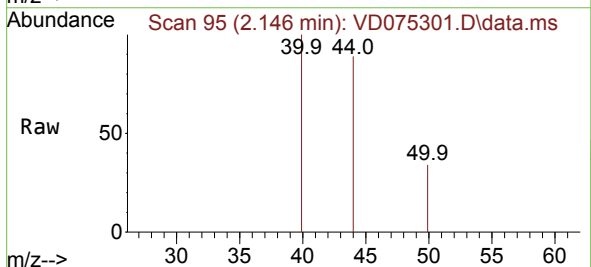
Acq: 09 Feb 2023 18:30

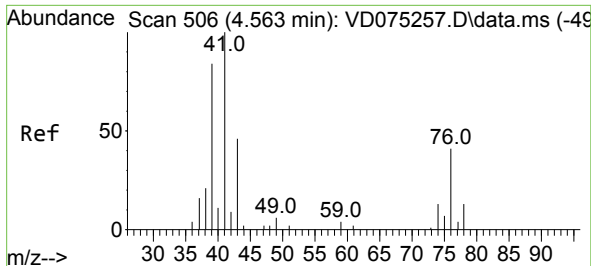
Tgt Ion: 50 Resp: 134

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#

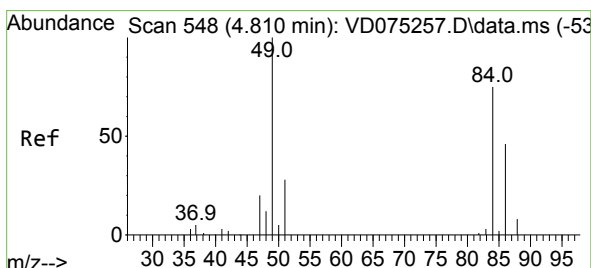
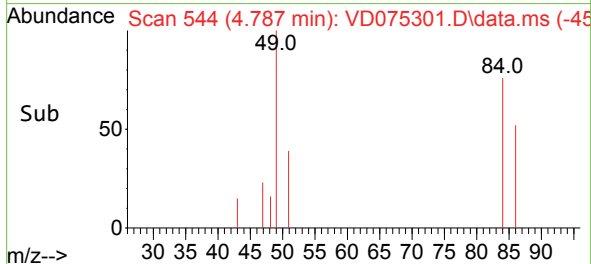
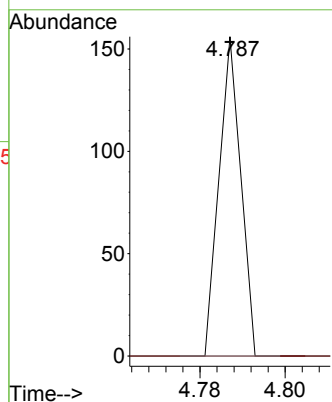
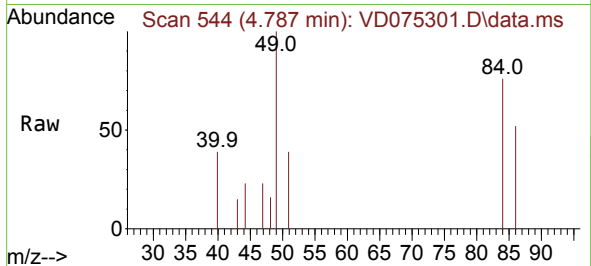




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. 0.224 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

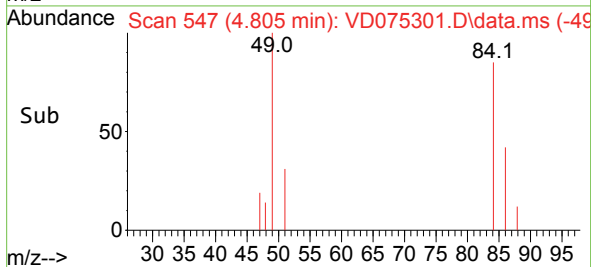
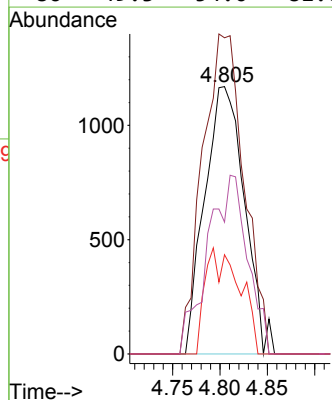
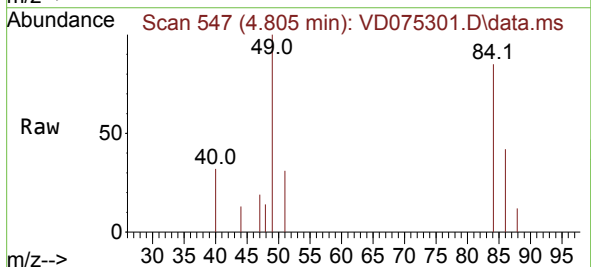
Instrument :
MSVOA_D
ClientSampleId :
UST-4

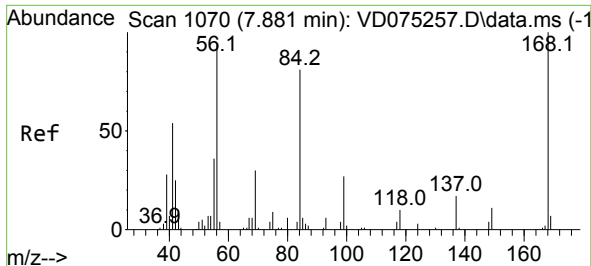
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

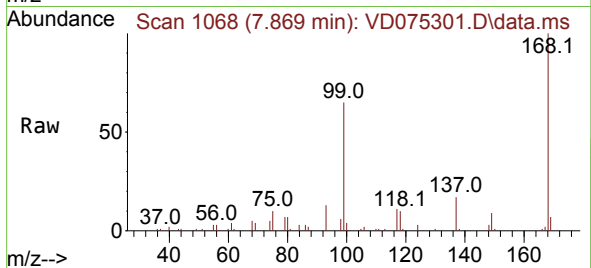
Tgt Ion: 84 Resp: 3419
Ion Ratio Lower Upper
84 100
49 118.2 97.0 145.6
51 37.1 30.9 46.3
86 49.3 54.0 81.0#



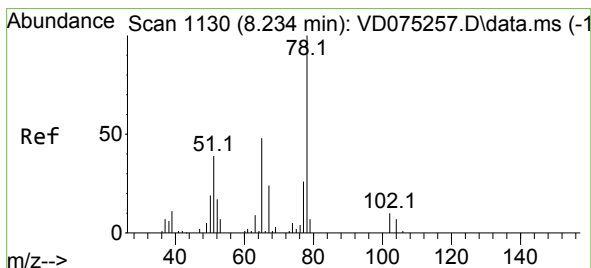
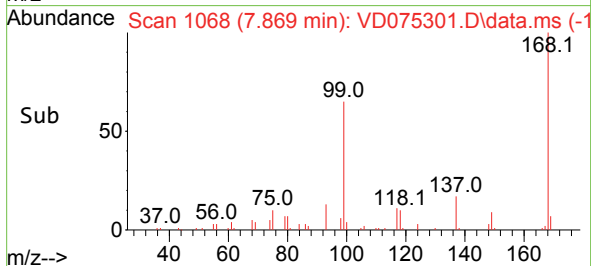
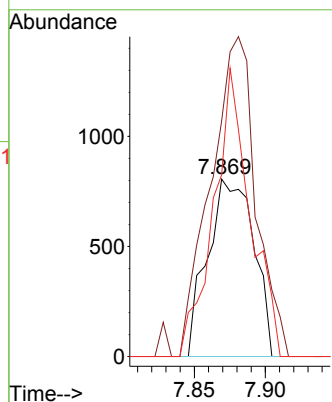


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Instrument :
MSVOA_D
ClientSampleId :
UST-4

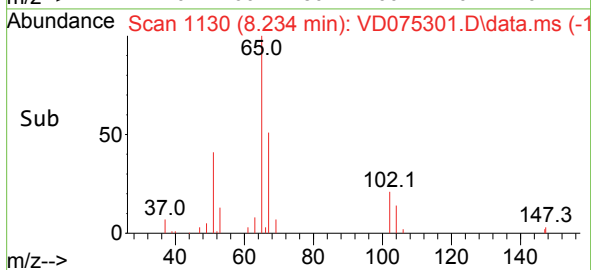
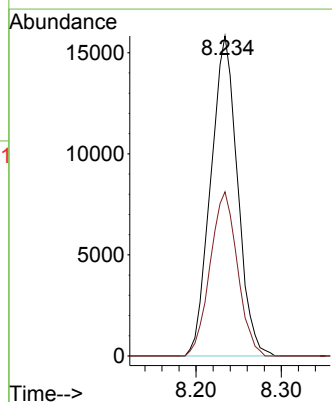
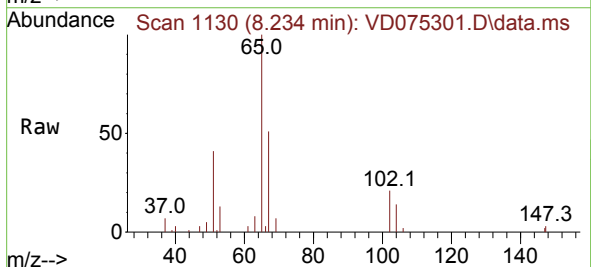


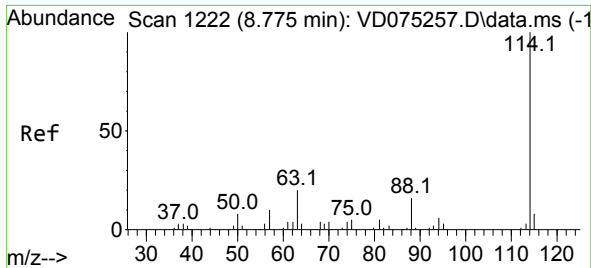
Tgt Ion: 56 Resp: 1822
Ion Ratio Lower Upper
56 100
69 132.8 26.6 40.0#
84 102.4 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 40.466 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion: 65 Resp: 34528
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2

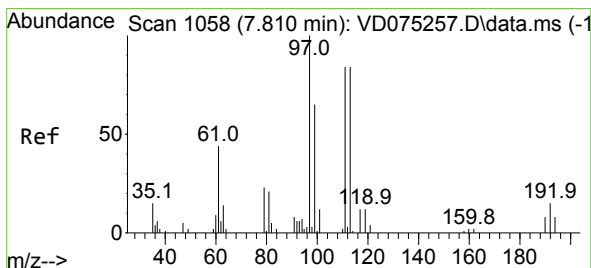
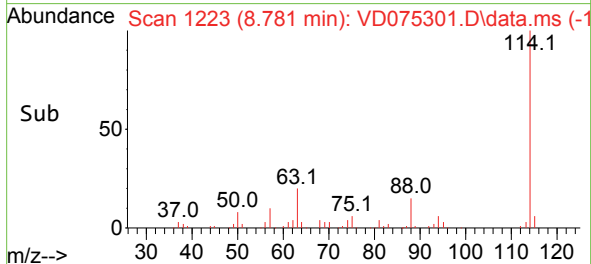
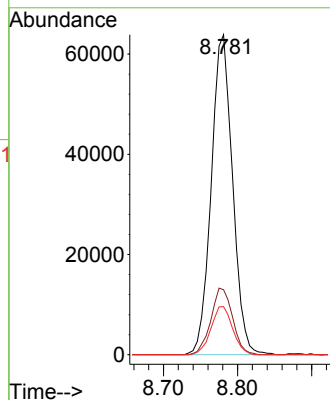
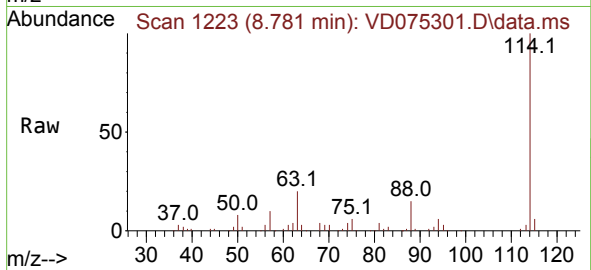




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

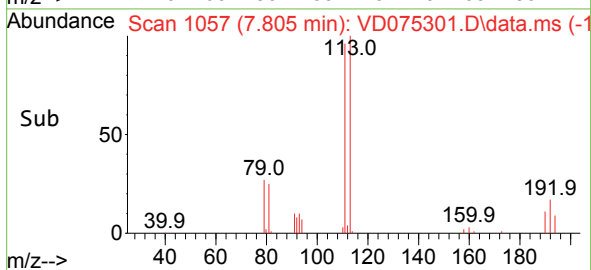
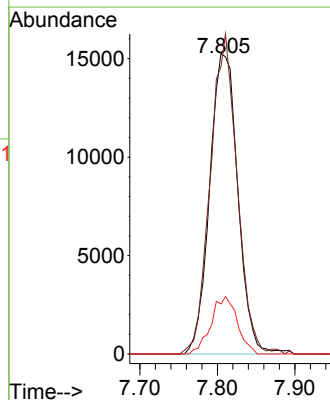
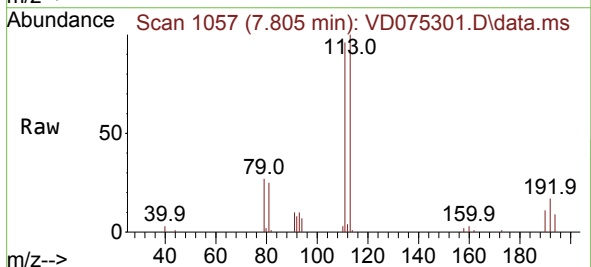
Instrument :
MSVOA_D
ClientSampleId :
UST-4

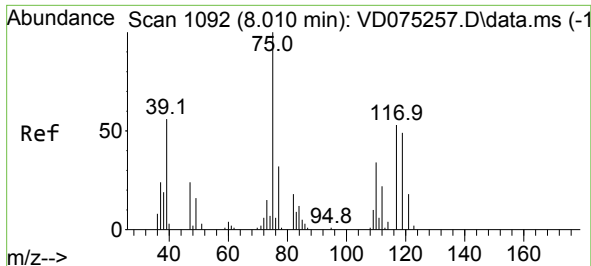
Tgt Ion:114 Resp: 127464
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 43.192 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion:113 Resp: 38604
Ion Ratio Lower Upper
113 100
111 101.0 80.1 120.1
192 17.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.470 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

UST-4

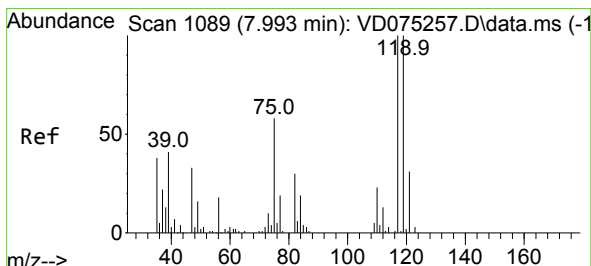
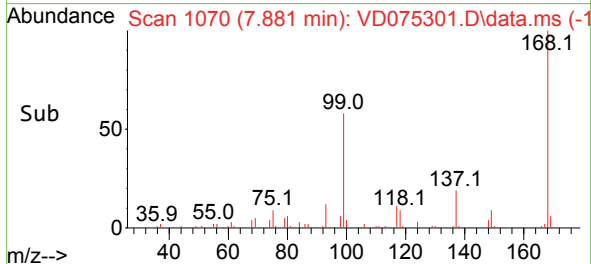
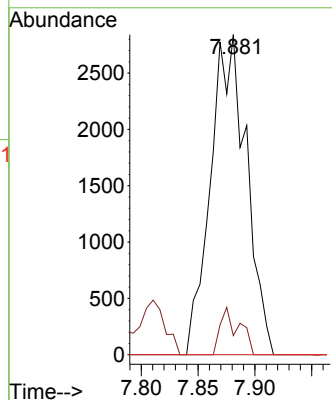
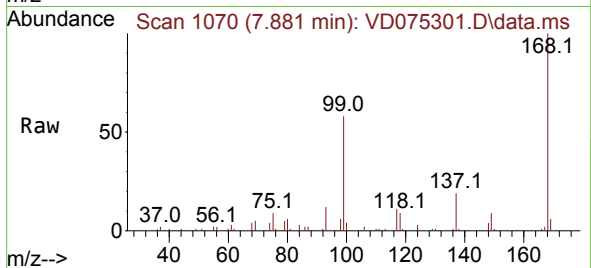
Tgt Ion: 75 Resp: 6223

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

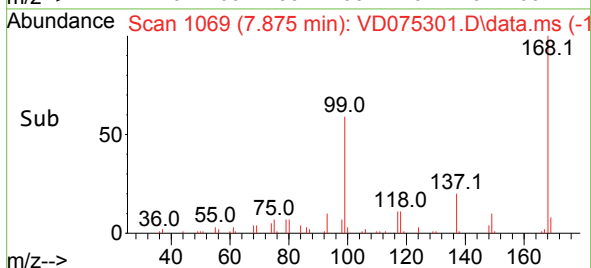
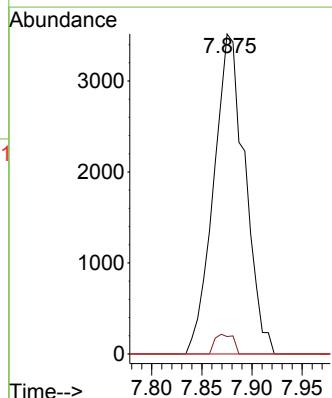
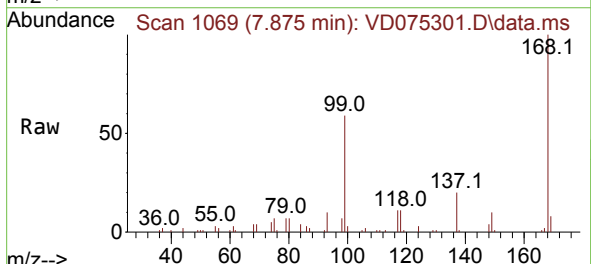
Tgt Ion: 117 Resp: 7642

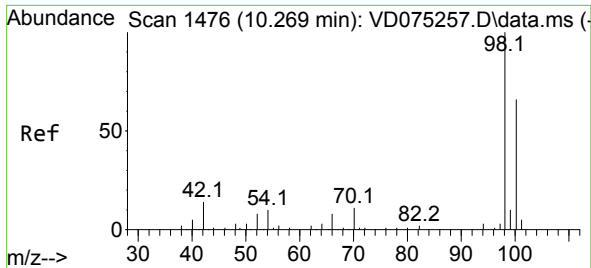
Ion Ratio Lower Upper

117 100

119 5.4 73.6 110.4#

121 0.0 25.4 38.0#

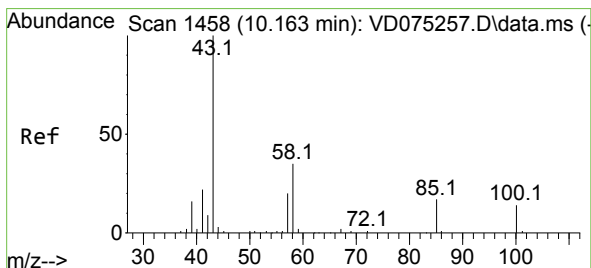
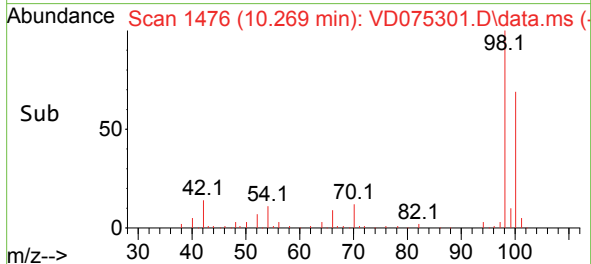
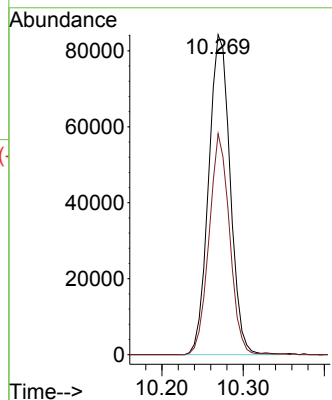
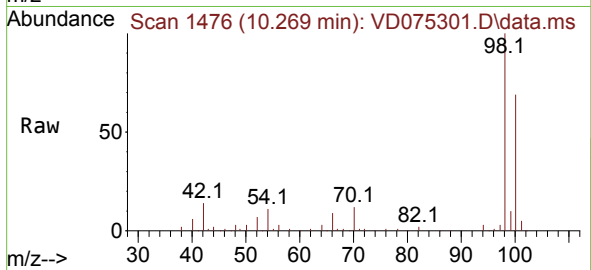




#50
Toluene-d8
Concen: 45.796 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

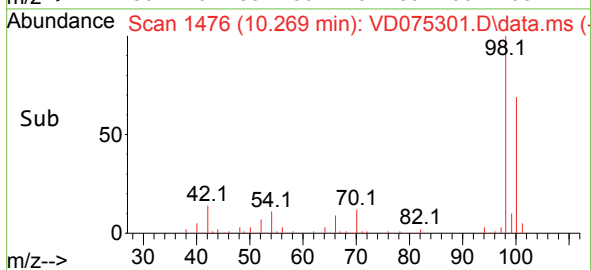
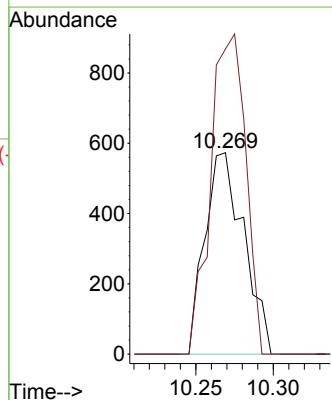
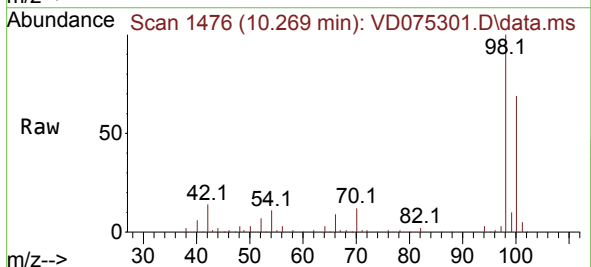
Instrument :
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ClientSampleId :
UST-4

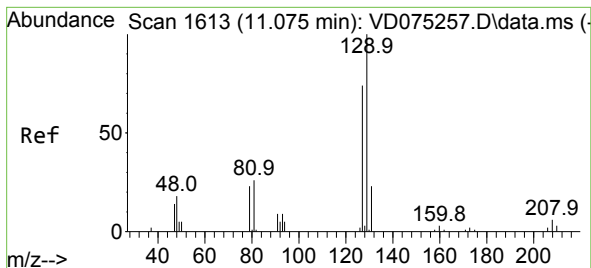
Tgt Ion: 98 Resp: 155227
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.705 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 143.5 31.4 47.0#





#60

Dibromochloromethane

Concen: 4.980 ug/l

RT: 10.810 min Scan# 1

Delta R.T. -0.265 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

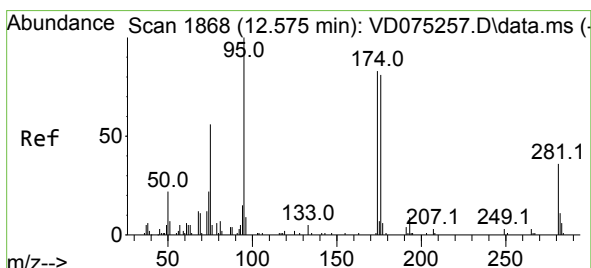
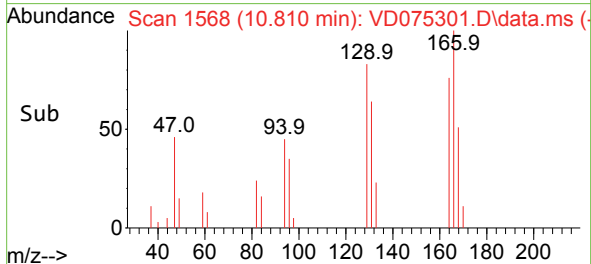
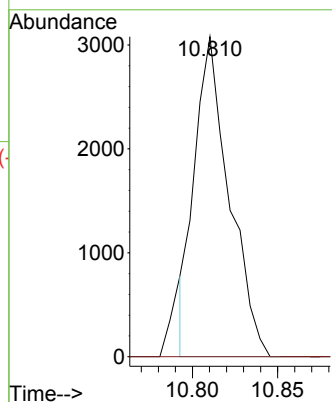
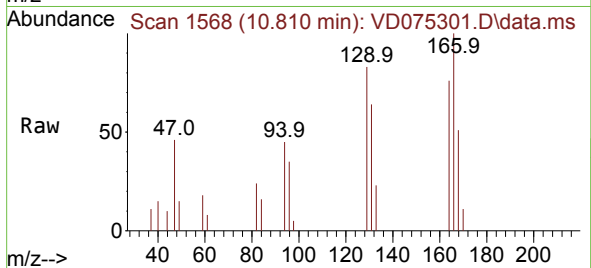
UST-4

Tgt Ion:129 Resp: 4338

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#



#62

4-Bromofluorobenzene

Concen: 44.460 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

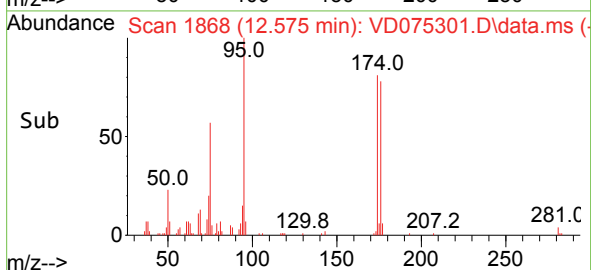
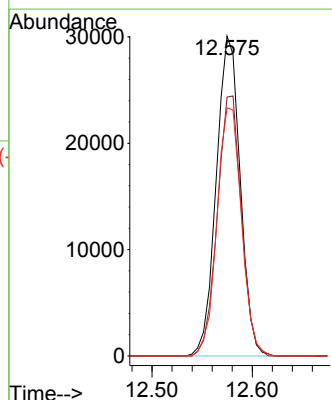
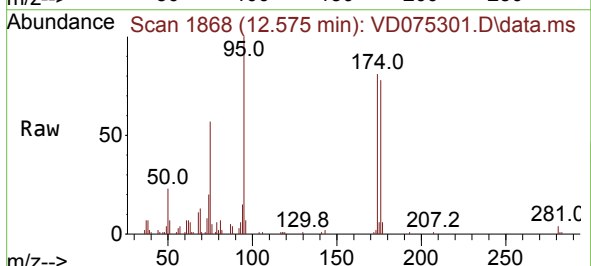
Tgt Ion: 95 Resp: 49690

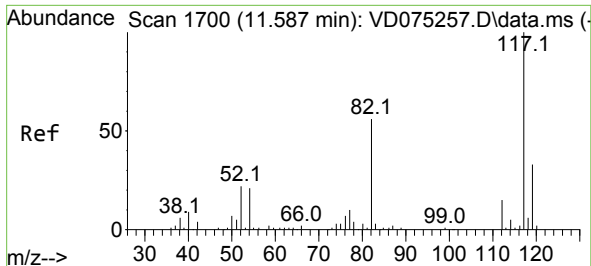
Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.2

176 79.7 0.0 160.2

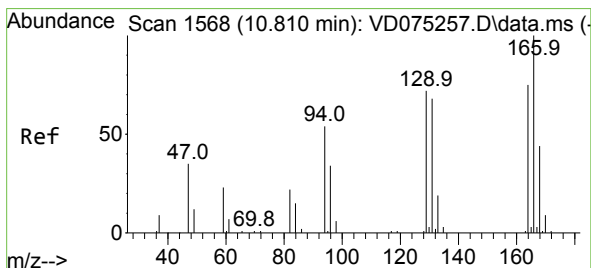
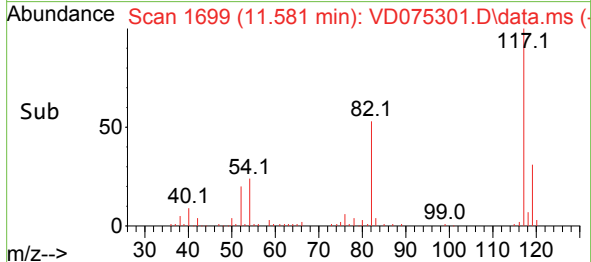
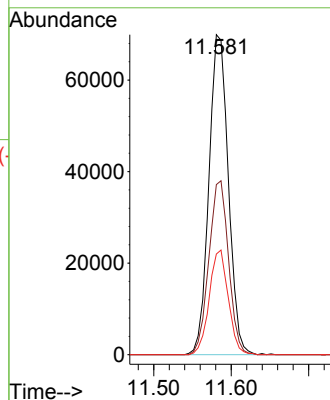
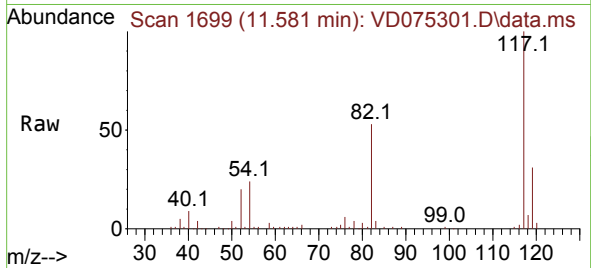




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

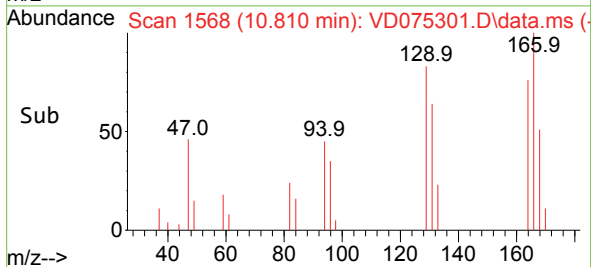
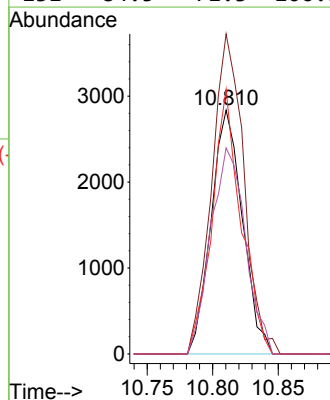
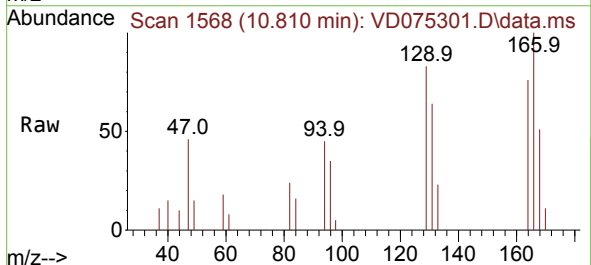
Instrument :
MSVOA_D
ClientSampleId :
UST-4

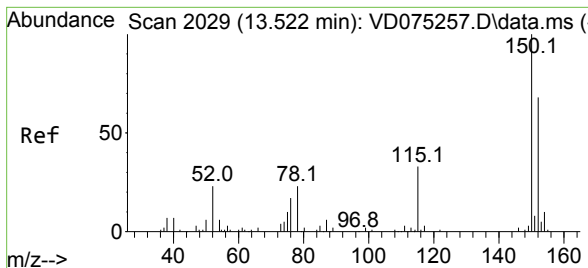
Tgt Ion:117 Resp: 121539
Ion Ratio Lower Upper
117 100
82 53.1 39.6 59.4
119 31.4 24.6 37.0



#64
Tetrachloroethene
Concen: 5.043 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion:164 Resp: 4721
Ion Ratio Lower Upper
164 100
166 131.2 105.3 157.9
129 108.5 76.2 114.4
131 84.5 71.3 106.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

UST-4

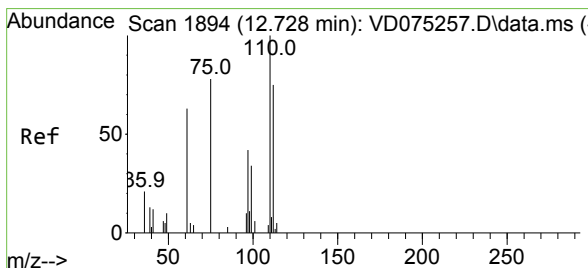
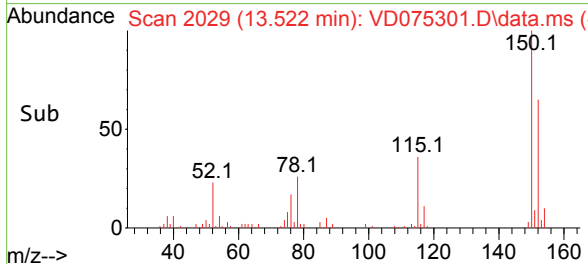
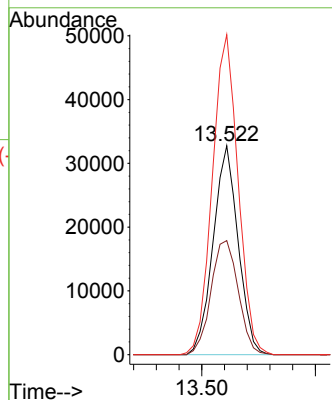
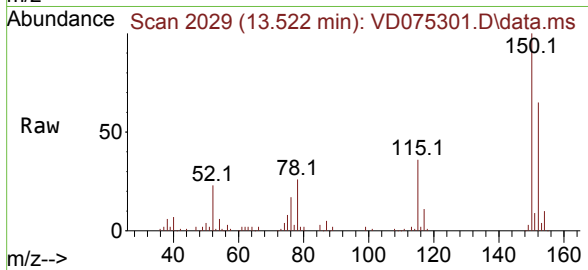
Tgt Ion:152 Resp: 49997

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.4

150 157.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.833 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075301.D

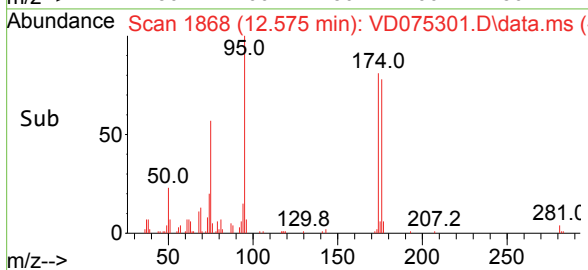
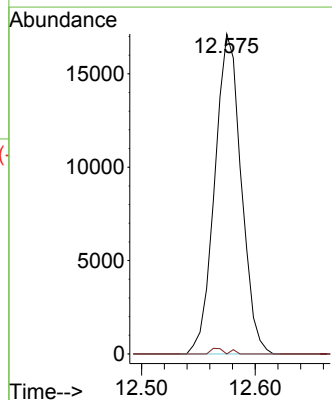
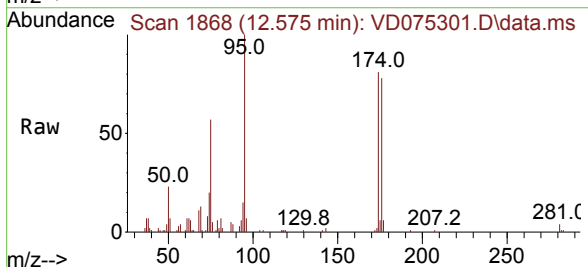
Acq: 09 Feb 2023 18:30

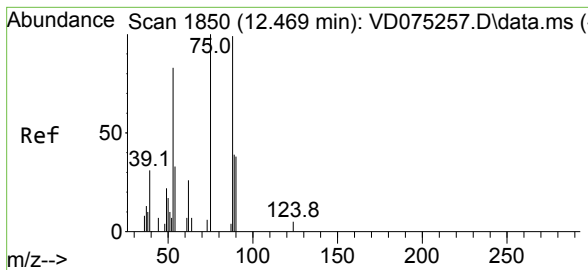
Tgt Ion: 75 Resp: 27732

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.966 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075301.D
 Acq: 09 Feb 2023 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 UST-4

Tgt Ion: 75 Resp: 27732
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

