

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075638.D
 Acq On : 12 Apr 2023 14:19
 Operator : KP/SY
 Sample : 02260-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A

Quant Time: Apr 13 07:27:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

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

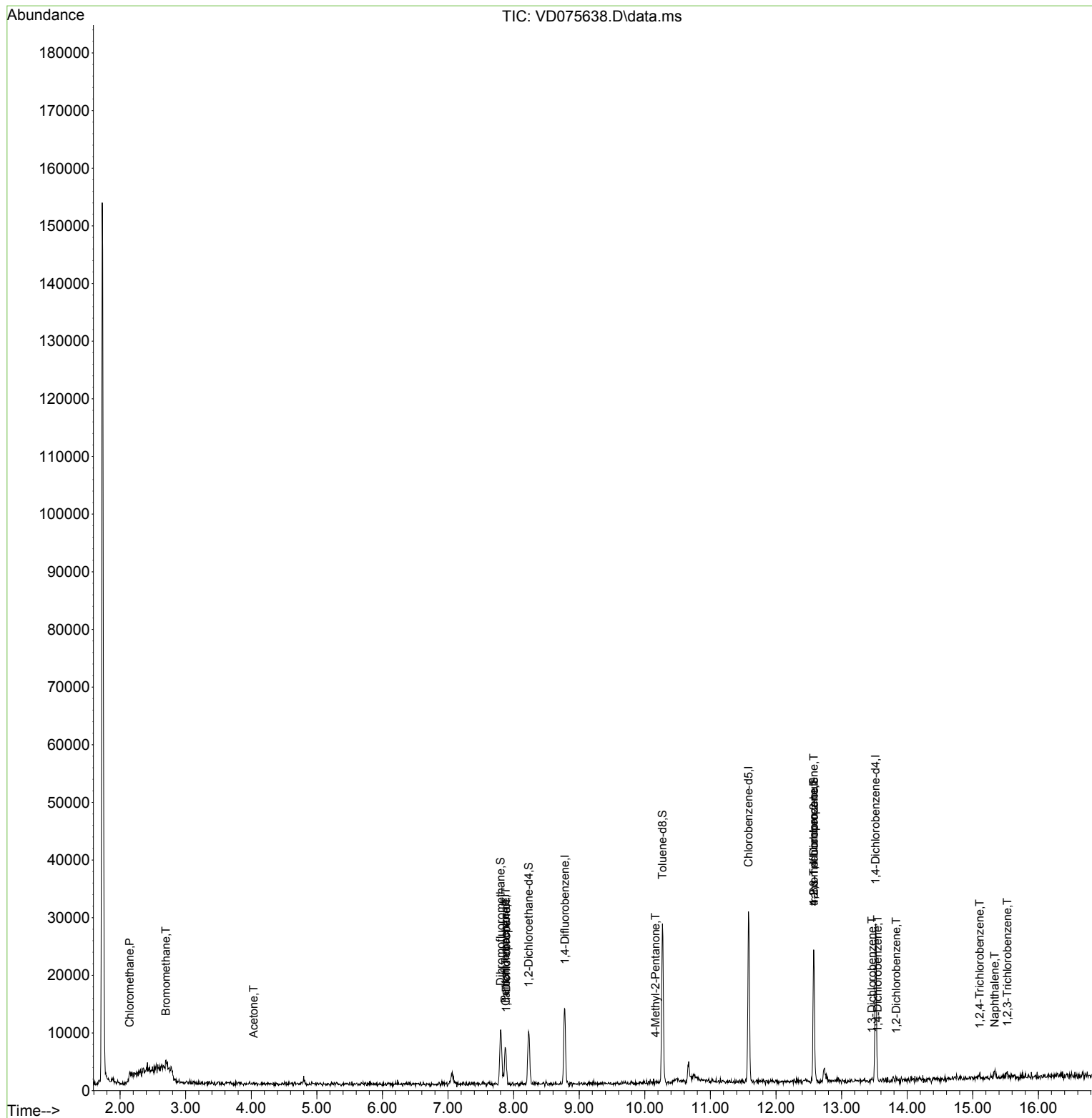
Internal Standards						
1) Pentafluorobenzene	7.869	168	6515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	14276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	20158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7223	135.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.300%#			
35) Dibromofluoromethane	7.799	113	7320	87.491	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 174.980%#			
50) Toluene-d8	10.269	98	22565	68.761	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.520%			
62) 4-Bromofluorobenzene	12.575	95	7125	73.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 147.600%#			
Target Compounds						Qvalue
3) Chloromethane	2.146	50	393	4.910	ug/l #	64
5) Bromomethane	2.699	94	1018	11.409	ug/l	98
16) Acetone	4.034	43	137	14.068	ug/l #	44
20) Methylene Chloride	4.793	84	552	Below Cal	#	32
36) 1,1-Dichloropropene	7.887	75	358	3.350	ug/l #	42
38) Carbon Tetrachloride	7.881	117	632	6.168	ug/l #	13
51) 4-Methyl-2-Pentanone	10.163	43	58	1.757	ug/l #	38
76) 1,2,3-Trichloropropane	12.575	75	3364	60.167	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	3364	114.551	ug/l #	5
87) 1,3-Dichlorobenzene	13.463	146	404	1.436	ug/l #	68
88) 1,4-Dichlorobenzene	13.551	146	448	1.610	ug/l #	60
91) 1,2-Dichlorobenzene	13.834	146	446	1.839	ug/l #	34
93) 1,2,4-Trichlorobenzene	15.104	180	695	5.404	ug/l #	41
95) Naphthalene	15.334	128	1597	6.540	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.528	180	589	5.169	ug/l #	75

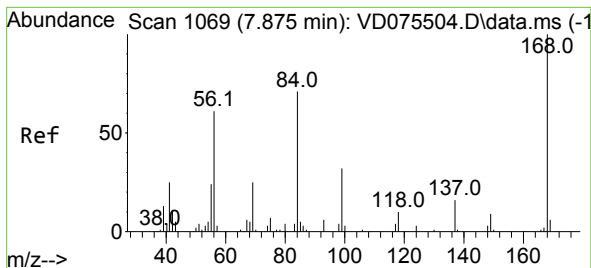
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-1A

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 12 10:29:09 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

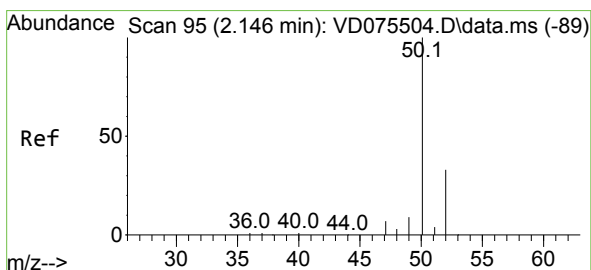
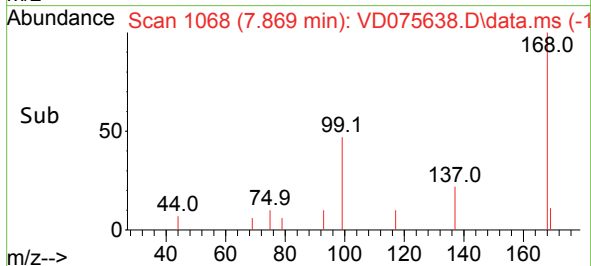
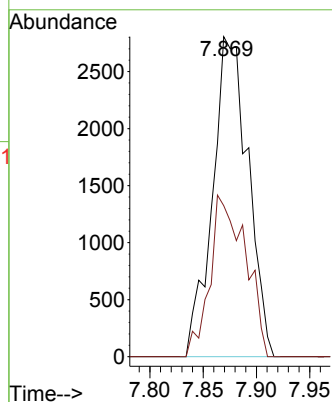
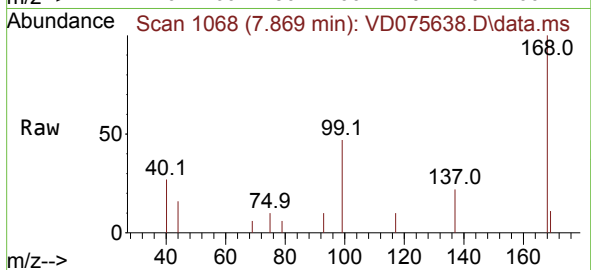
SP-1A

Tgt Ion:168 Resp: 6515

Ion Ratio Lower Upper

168 100

99 47.2 43.8 65.6



#3

Chloromethane

Concen: 4.910 ug/l

RT: 2.146 min Scan# 95

Delta R.T. -0.006 min

Lab File: VD075638.D

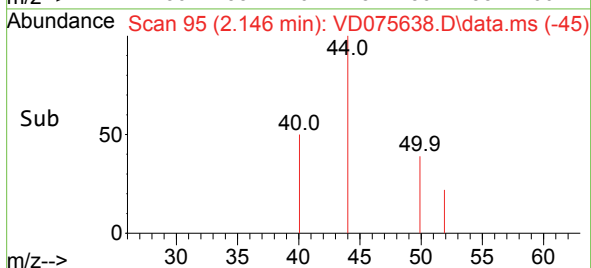
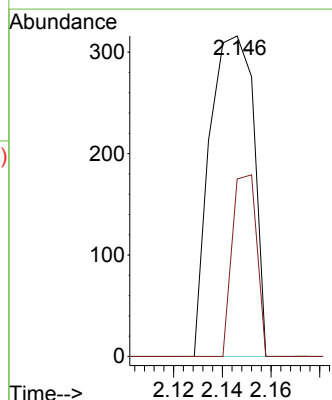
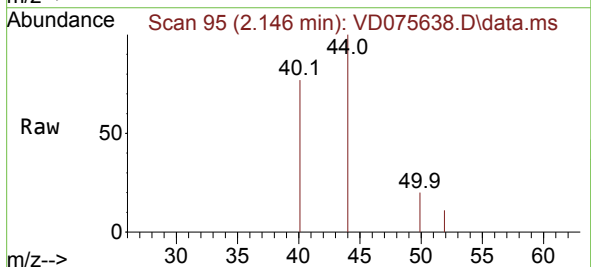
Acq: 12 Apr 2023 14:19

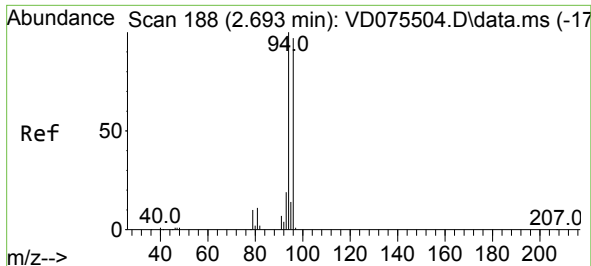
Tgt Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 55.4 27.8 41.8#

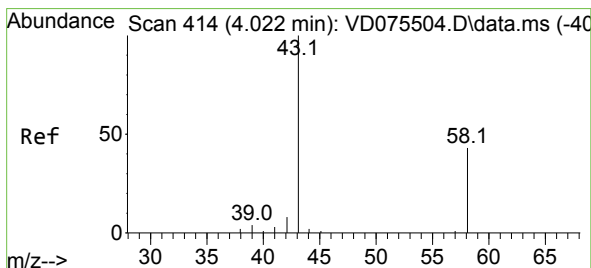
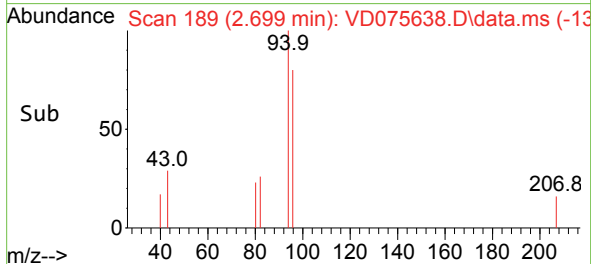
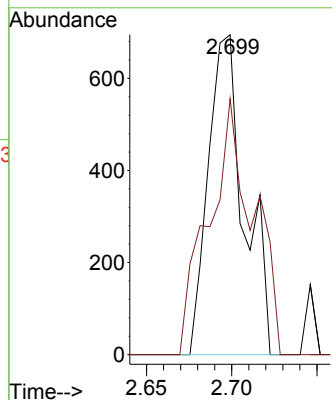
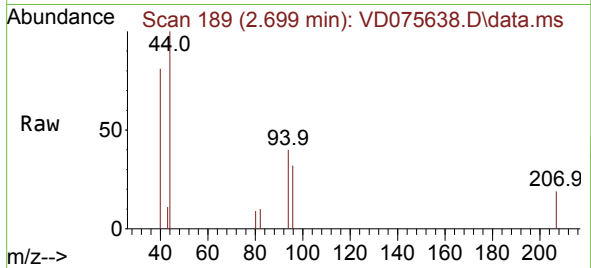




#5
Bromomethane
Concen: 11.409 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

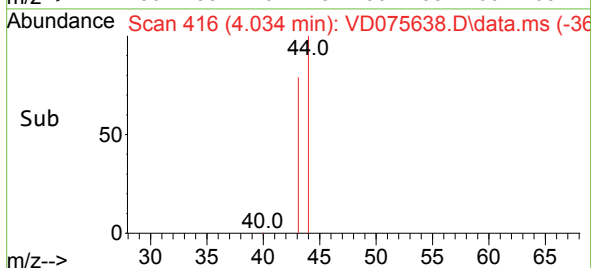
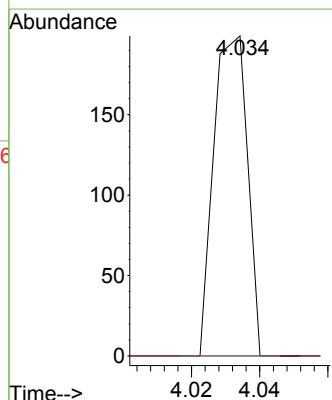
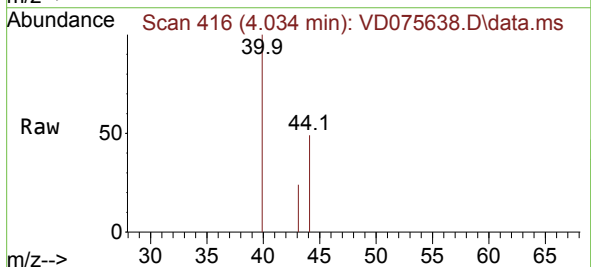
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

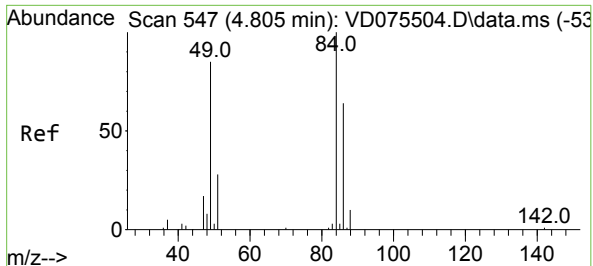
Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 99.1 77.5 116.3



#16
Acetone
Concen: 14.068 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

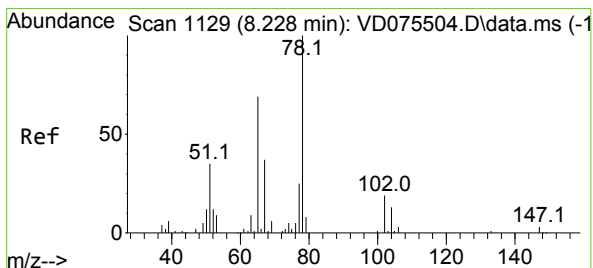
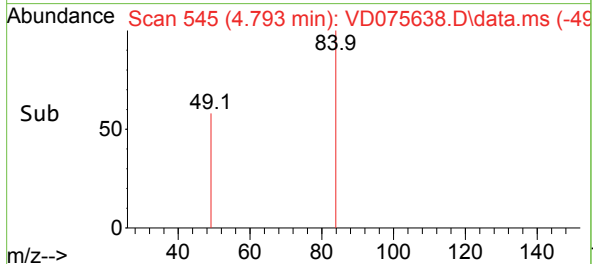
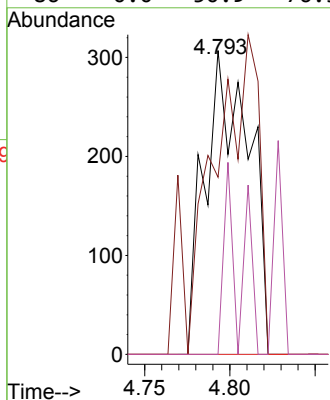
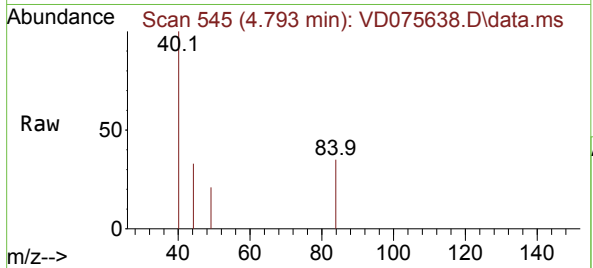




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 547
Delta R.T. -0.012 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

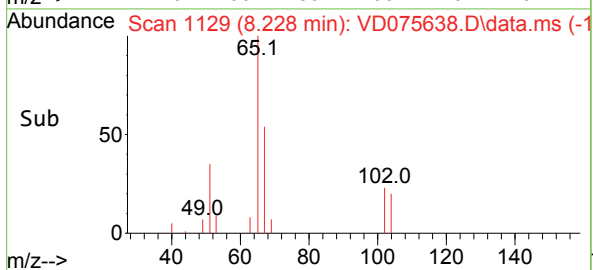
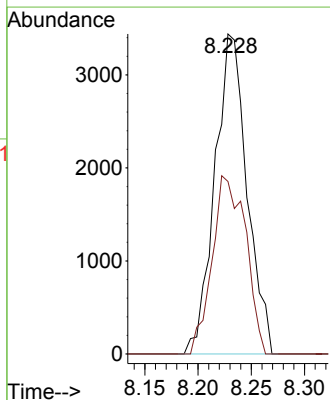
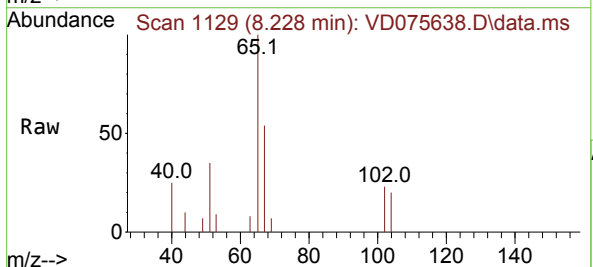
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

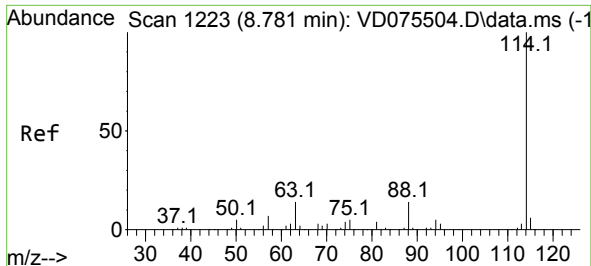
Tgt Ion:	84	Resp:	552
Ion	Ratio	Lower	Upper
84	100		
49	58.3	106.4	159.6#
51	0.0	32.4	48.6#
86	0.0	50.9	76.3#



#33
1,2-Dichloroethane-d4
Concen: 135.146 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion:	65	Resp:	7223
Ion	Ratio	Lower	Upper
65	100		
67	58.0	0.0	102.2

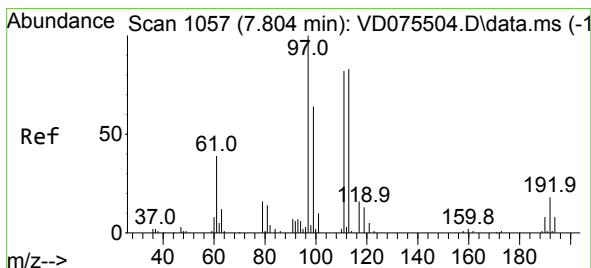
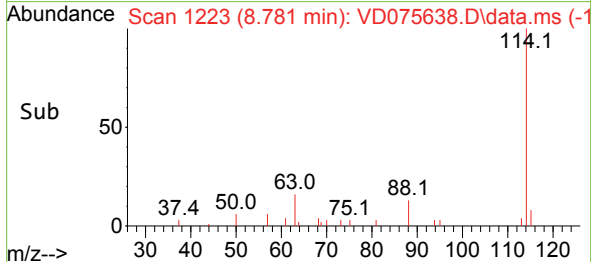
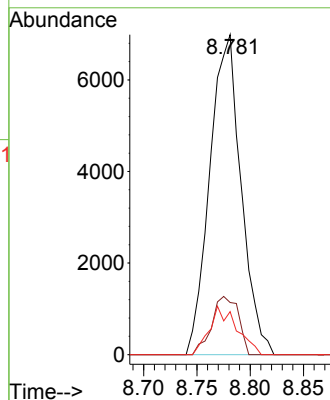
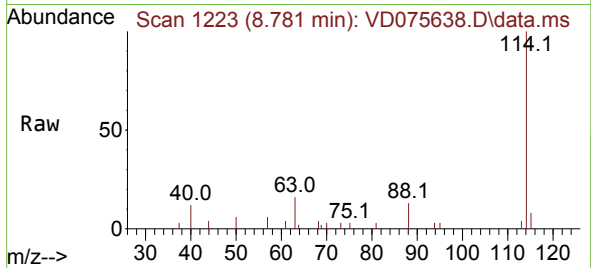




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

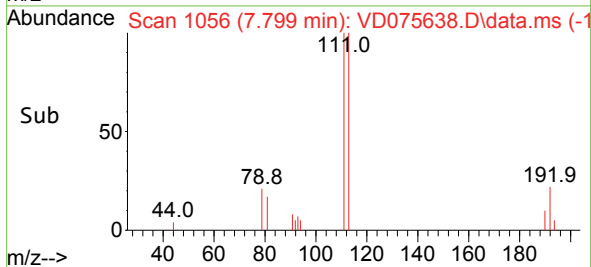
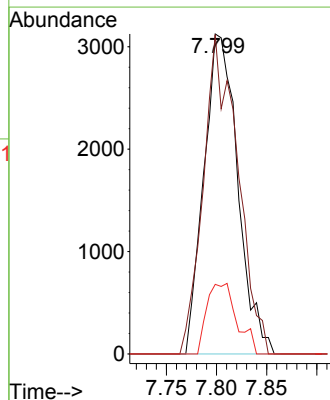
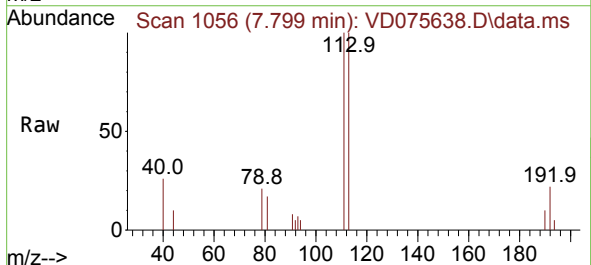
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

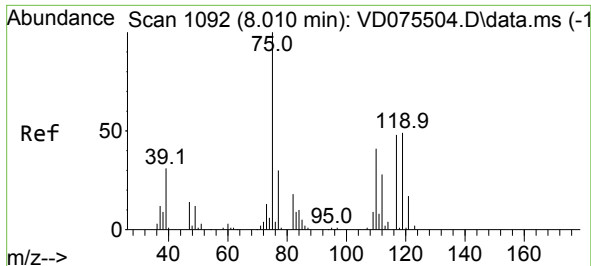
Tgt Ion:114 Resp: 14276
Ion Ratio Lower Upper
114 100
63 16.3 0.0 41.6
88 13.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 87.491 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion:113 Resp: 7320
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.0
192 19.5 15.2 22.8

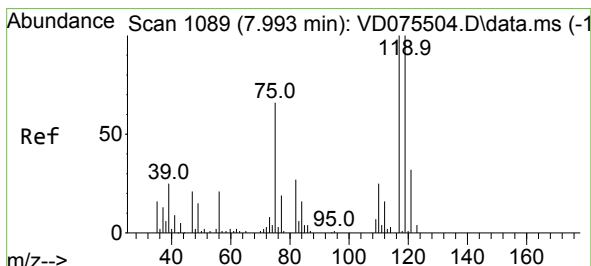
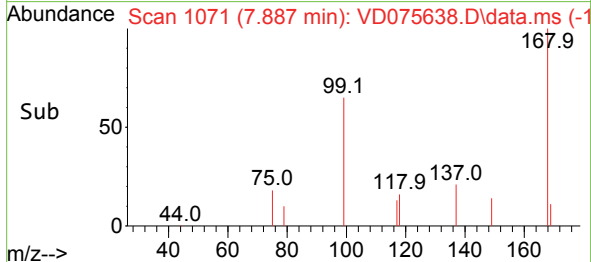
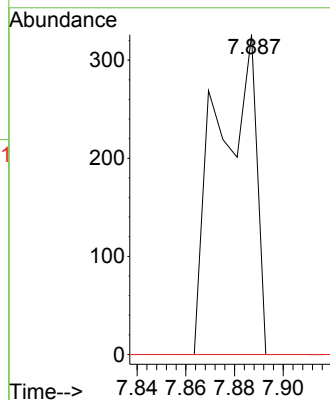
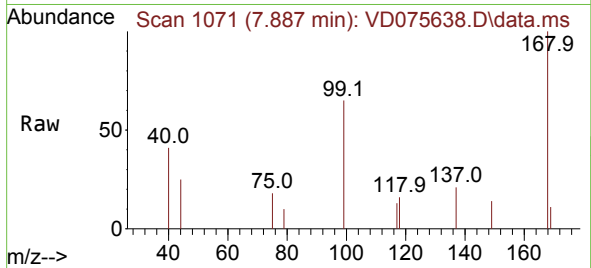




#36
1,1-Dichloropropene
Concen: 3.350 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. -0.118 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

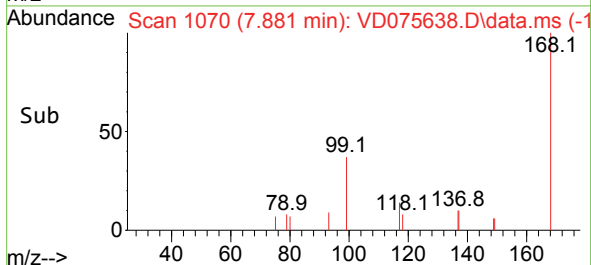
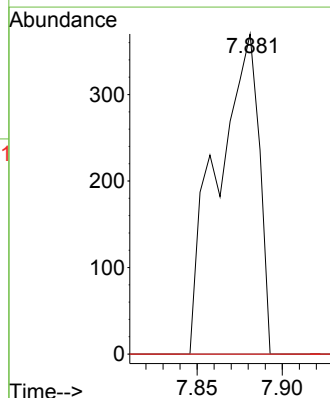
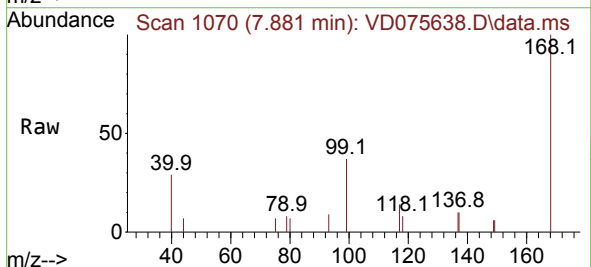
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

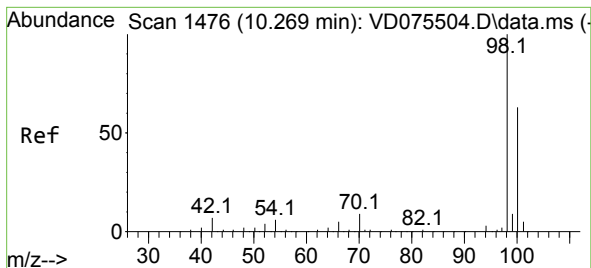
Tgt Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion: 117 Resp: 632
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 68.761 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

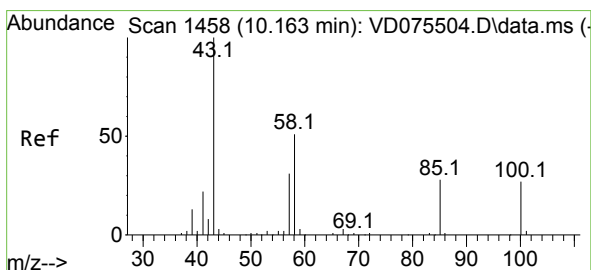
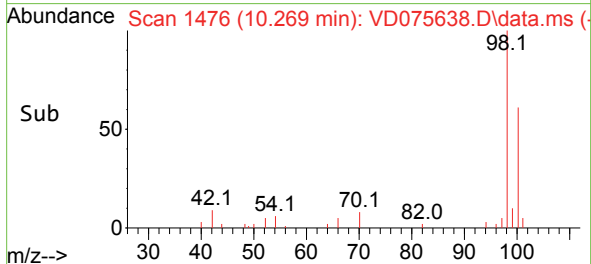
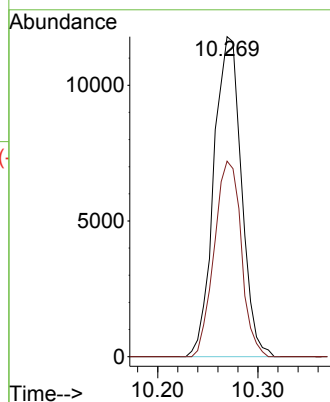
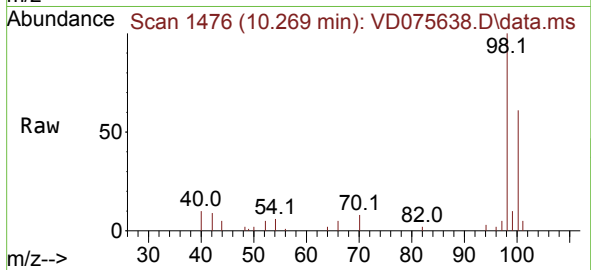
SP-1A

Tgt Ion: 98 Resp: 22565

Ion Ratio Lower Upper

98 100

100 59.7 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.757 ug/l

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075638.D

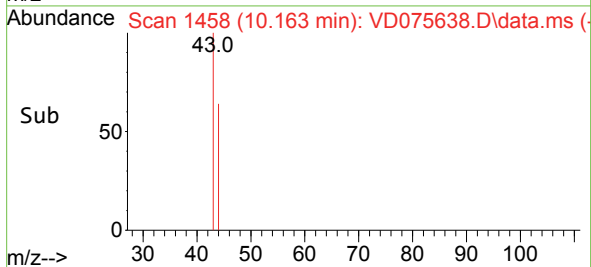
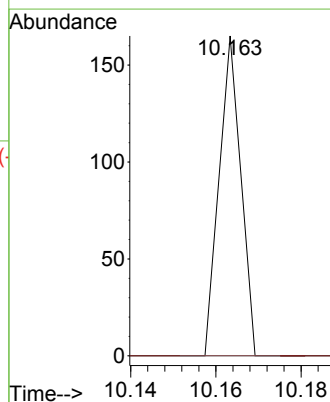
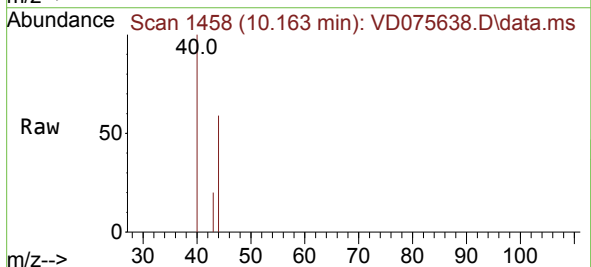
Acq: 12 Apr 2023 14:19

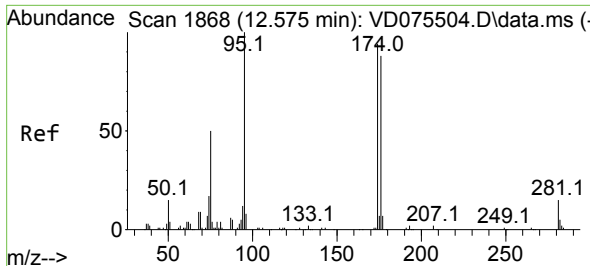
Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#

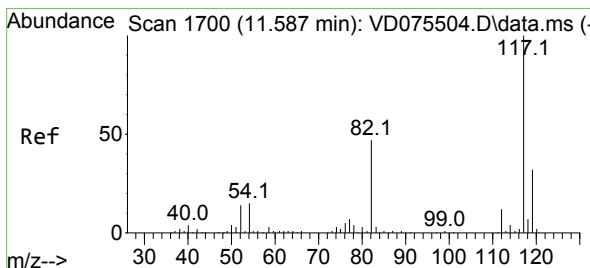
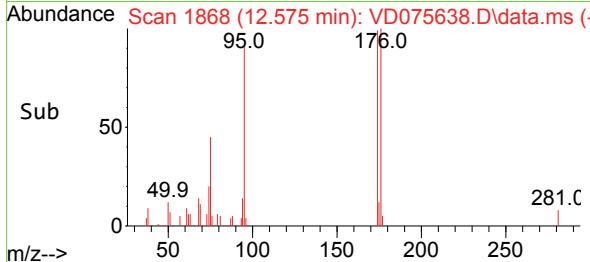
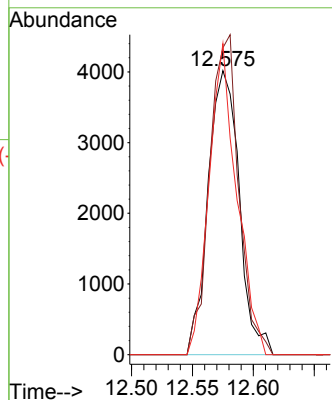
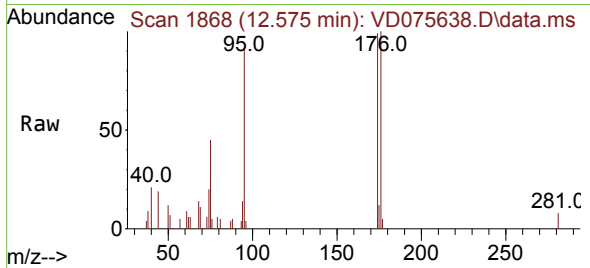




#62
4-Bromofluorobenzene
Concen: 73.800 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

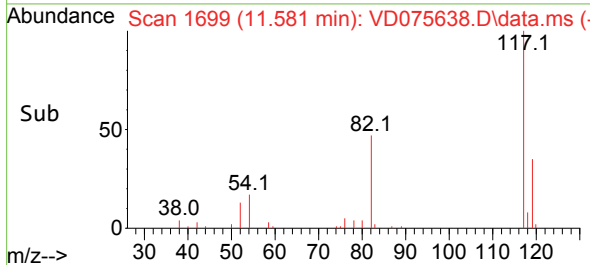
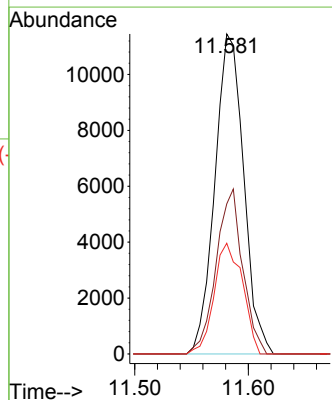
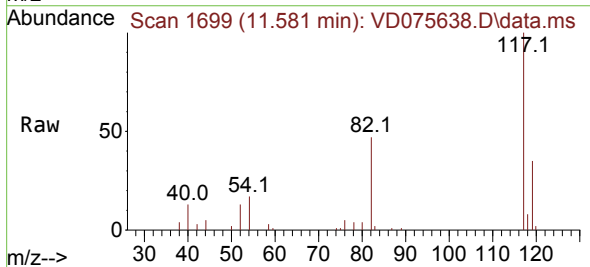
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

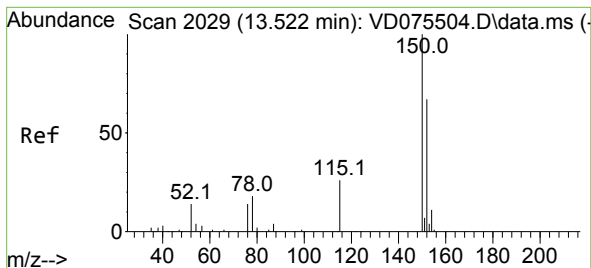
Tgt Ion: 95 Resp: 7125
Ion Ratio Lower Upper
95 100
174 106.3 0.0 164.0
176 97.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion: 117 Resp: 20158
Ion Ratio Lower Upper
117 100
82 46.9 44.0 66.0
119 34.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

SP-1A

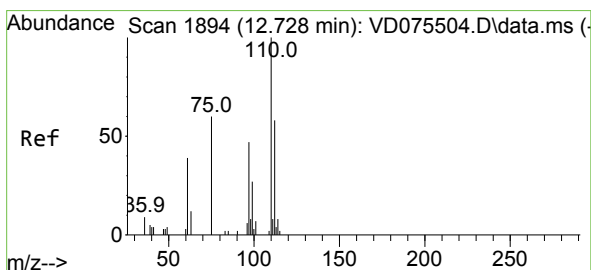
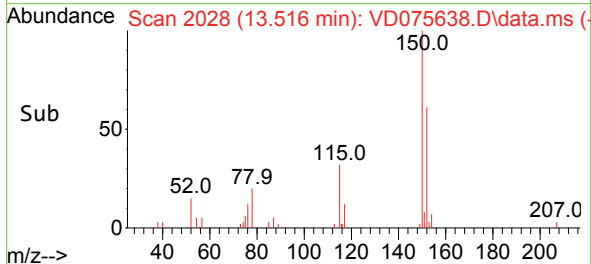
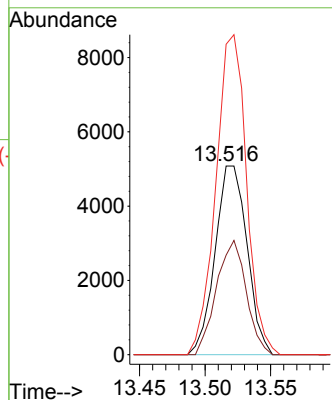
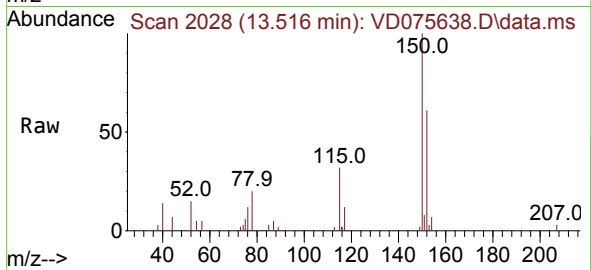
Tgt Ion:152 Resp: 8600

Ion Ratio Lower Upper

152 100

115 56.5 30.1 90.3

150 162.7 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 60.167 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075638.D

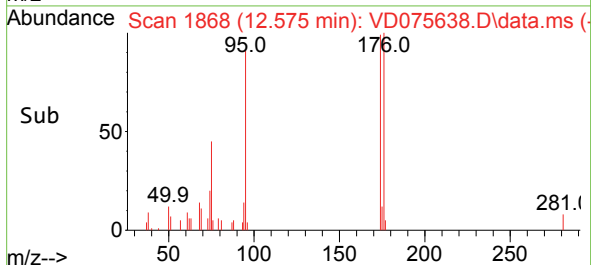
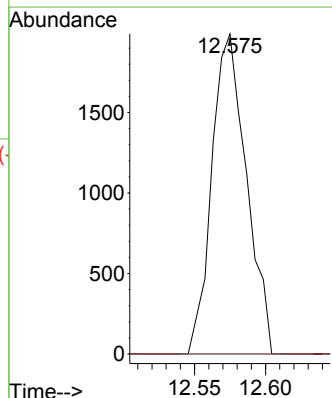
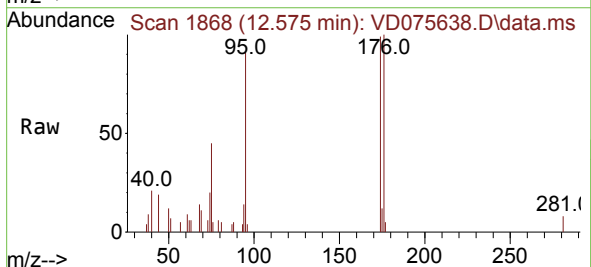
Acq: 12 Apr 2023 14:19

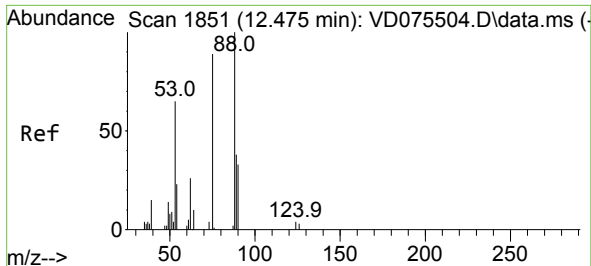
Tgt Ion: 75 Resp: 3364

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

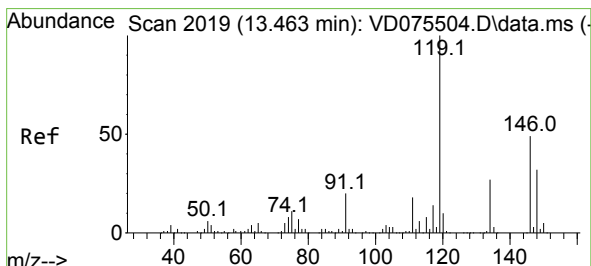
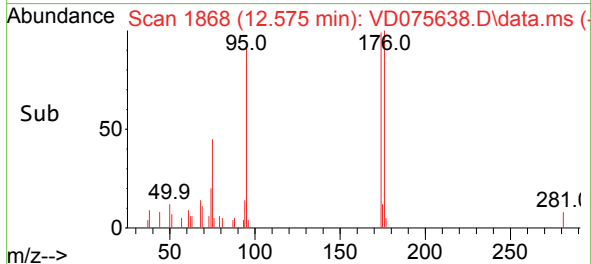
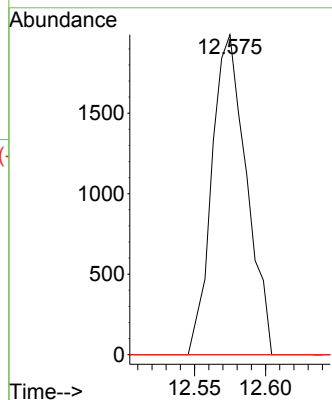
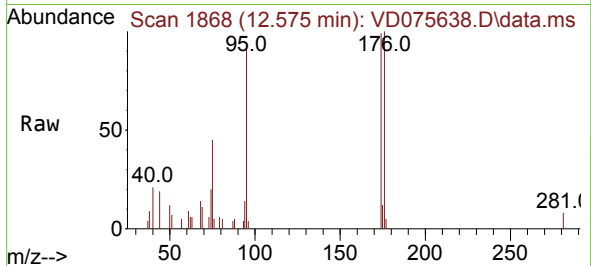




#81
trans-1,4-Dichloro-2-butene
Concen: 114.551 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

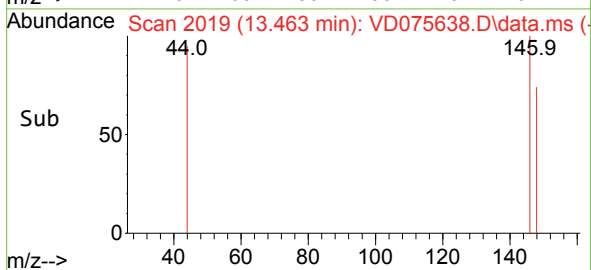
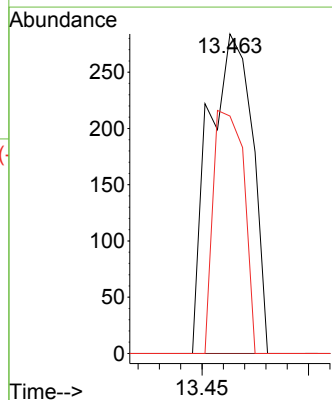
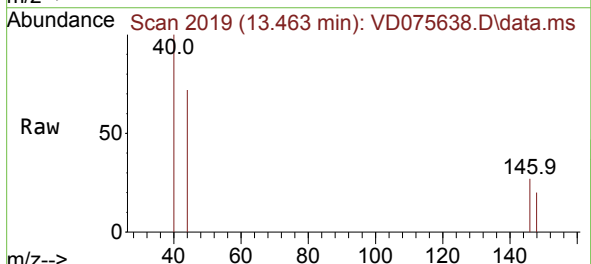
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

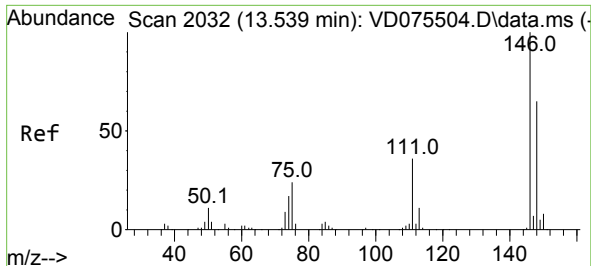
Tgt Ion: 75 Resp: 3364
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#87
1,3-Dichlorobenzene
Concen: 1.436 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion: 146 Resp: 404
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.3#
148 53.2 31.0 93.0

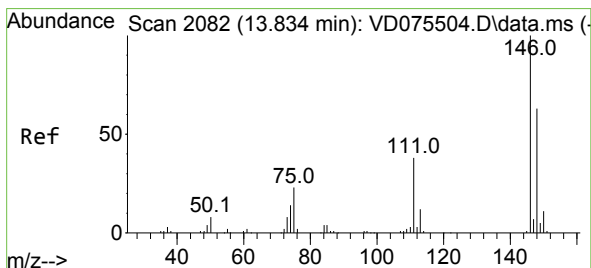
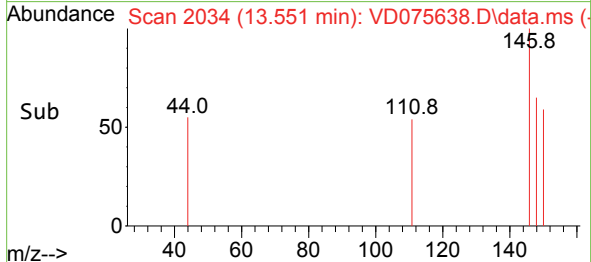
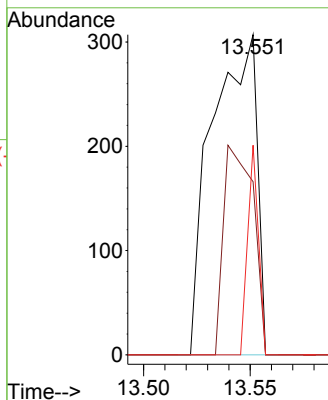
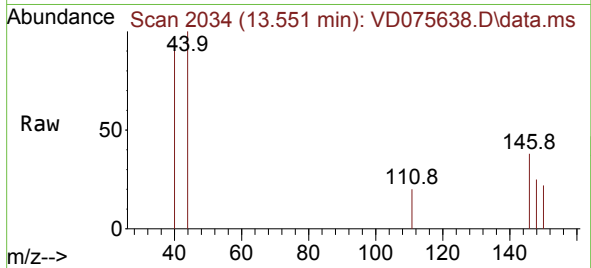




#88
1,4-Dichlorobenzene
Concen: 1.610 ug/l
RT: 13.551 min Scan# 2034
Delta R.T. 0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

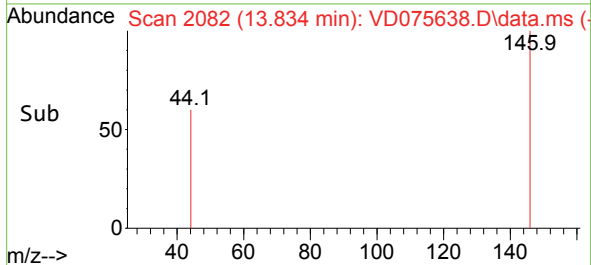
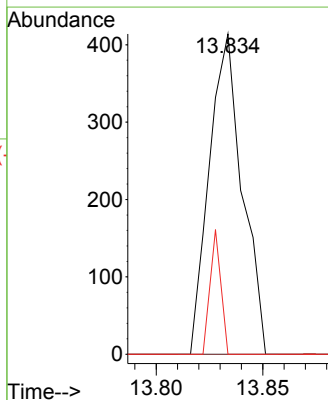
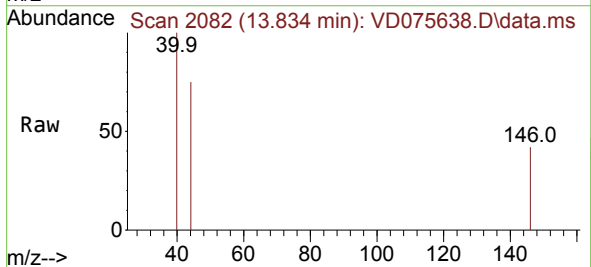
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

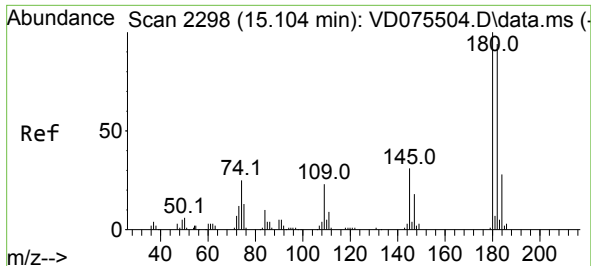
Tgt Ion:146 Resp: 448
Ion Ratio Lower Upper
146 100
111 43.3 19.6 58.8
148 15.8 31.7 95.1#



#91
1,2-Dichlorobenzene
Concen: 1.839 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion:146 Resp: 446
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 12.8 32.0 96.2#

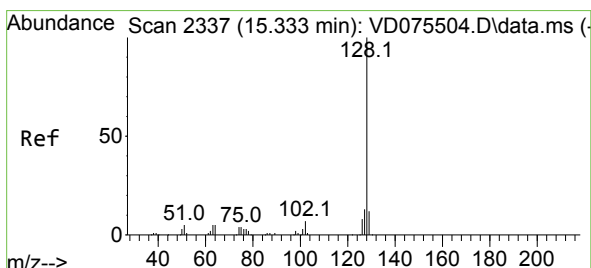
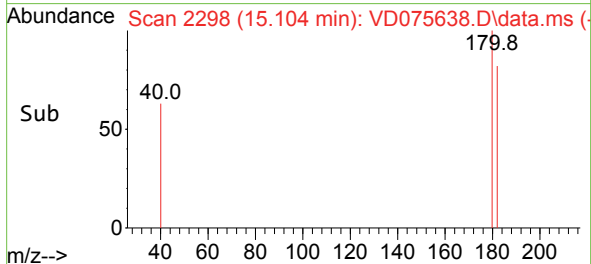
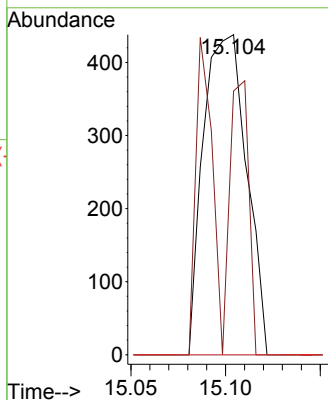
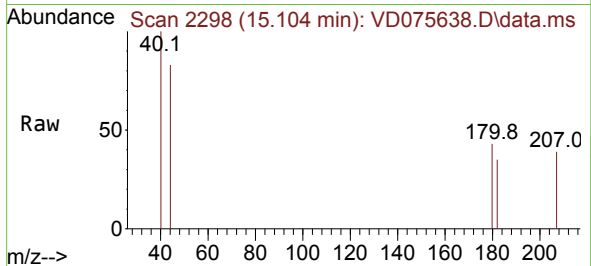




#93
1,2,4-Trichlorobenzene
Concen: 5.404 ug/l
RT: 15.104 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

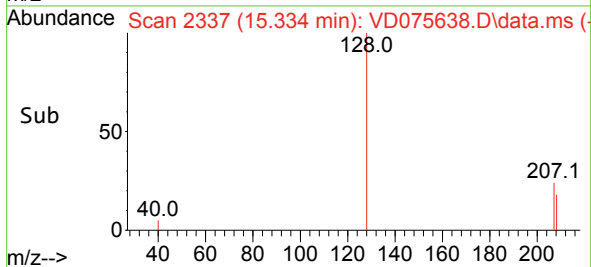
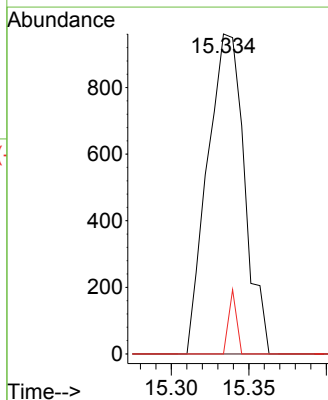
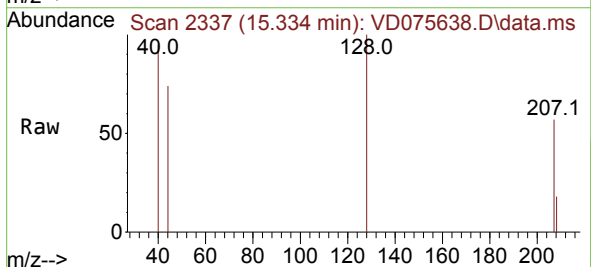
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

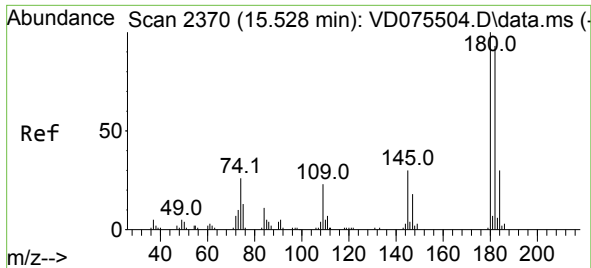
Tgt Ion:180 Resp: 695
Ion Ratio Lower Upper
180 100
182 37.4 47.9 143.7#
145 0.0 15.9 47.7#



#95
Naphthalene
Concen: 6.540 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.005 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion:128 Resp: 1597
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 4.3 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 5.169 ug/l

RT: 15.528 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD075638.D

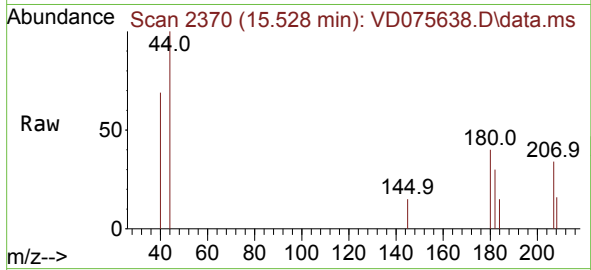
Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

SP-1A



Tgt Ion:	180	Resp:	589
Ion Ratio	Lower	Upper	
180	100		
182	76.9	47.7	143.1
145	9.5	16.4	49.4#

