

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074158.D
 Acq On : 19 Aug 2022 19:53
 Operator : VA/SY
 Sample : N4227-21
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Aug 20 01:28:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

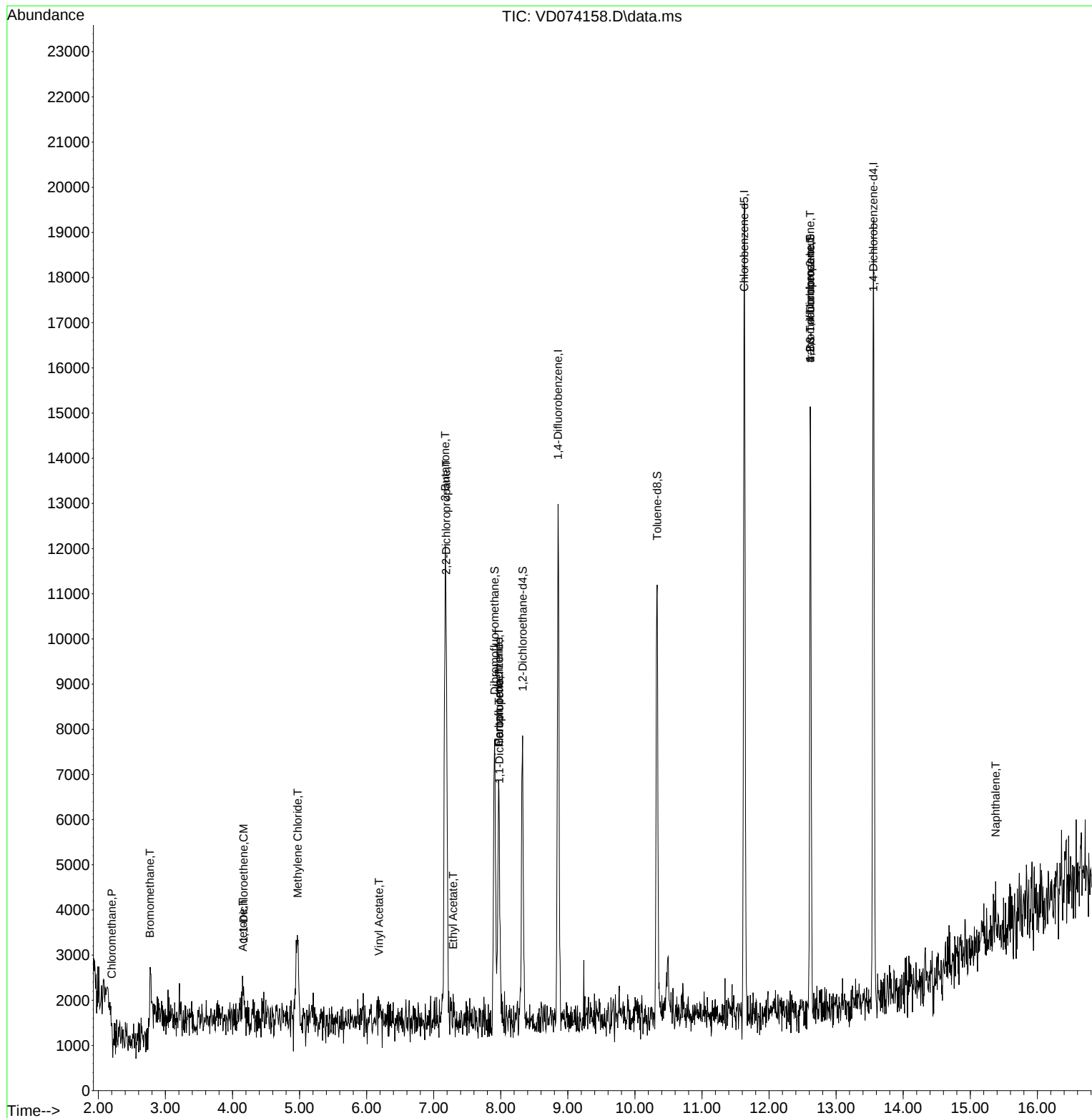
Internal Standards						
1) Pentafluorobenzene	7.973	168	4213	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	9255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	10515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	4401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4953	172.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	345.780%#
35) Dibromofluoromethane	7.908	113	4762	109.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	219.900%#
50) Toluene-d8	10.332	98	7072	56.543	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.080%
62) 4-Bromofluorobenzene	12.614	95	4435	64.041	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	187	4.932	ug/l	# 40
5) Bromomethane	2.767	94	737	34.588	ug/l	# 75
12) 1,1-Dichloroethene	4.167	96	55	1.214	ug/l	# 1
16) Acetone	4.155	43	1586	174.735	ug/l	# 47
20) Methylene Chloride	4.973	84	1815	23.277	ug/l	# 43
23) Vinyl Acetate	6.185	43	58	8.255	ug/l	# 75
25) 2-Butanone	7.173	43	908	61.308	ug/l	# 52
26) 2,2-Dichloropropane	7.185	77	645	8.026	ug/l	# 54
36) 1,1-Dichloropropene	7.979	75	194	2.048	ug/l	# 43
37) Ethyl Acetate	7.291	43	124	2.921	ug/l	# 72
38) Carbon Tetrachloride	7.973	117	500	5.337	ug/l	# 13
76) 1,2,3-Trichloropropane	12.614	75	2423	53.164	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.614	75	2423	139.116	ug/l	# 7
95) Naphthalene	15.378	128	239	1.557	ug/l	# 70

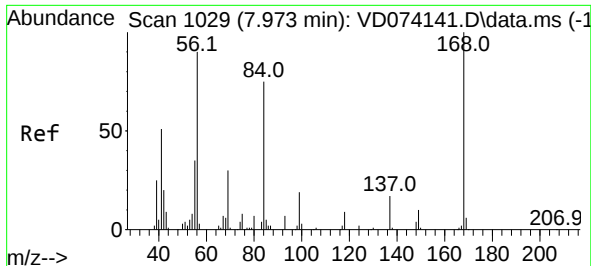
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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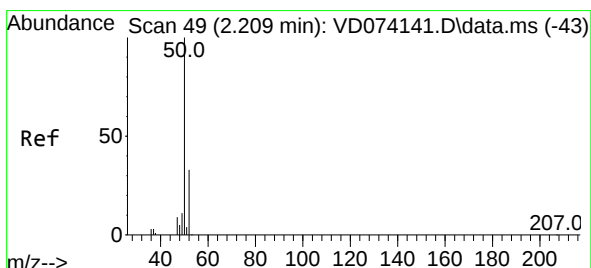
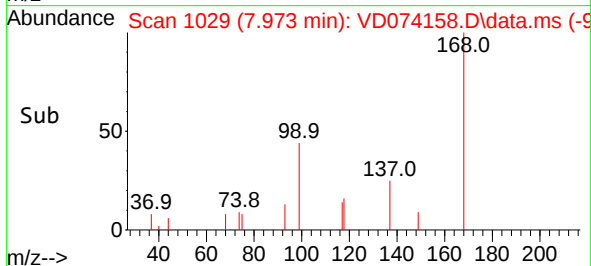
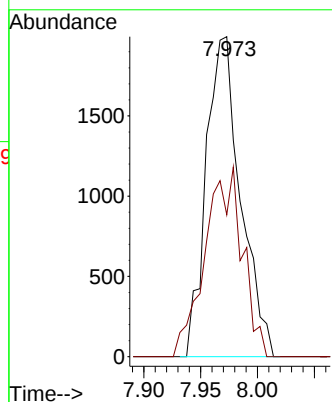
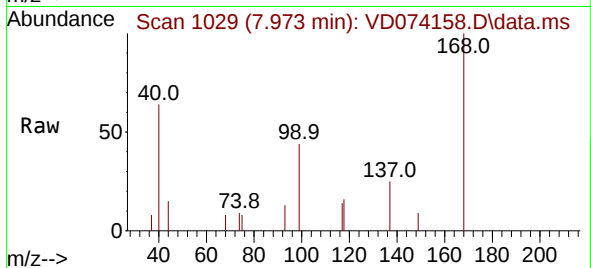




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

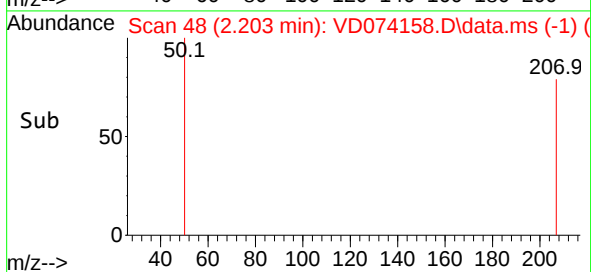
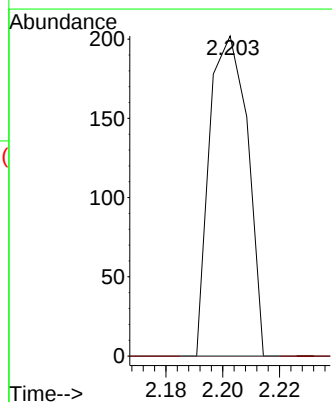
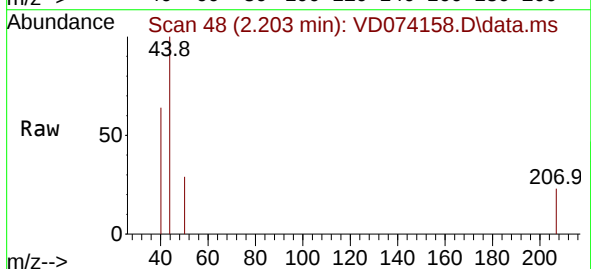
Instrument :
MSVOA_D
ClientSampleId :
SP-3

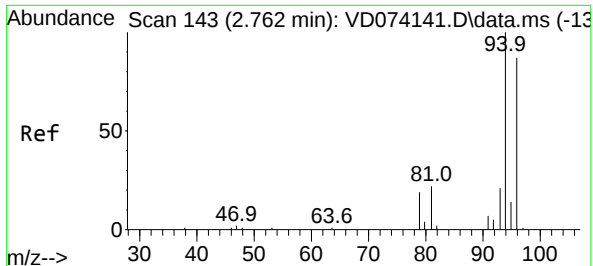
Tgt Ion:168 Resp: 4213
Ion Ratio Lower Upper
168 100
99 44.3 49.8 74.6#



#3
Chloromethane
Concen: 4.932 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion: 50 Resp: 187
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#





#5

Bromomethane

Concen: 34.588 ug/l

RT: 2.767 min Scan# 14

Delta R.T. 0.005 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

Instrument :

MSVOA_D

ClientSampleId :

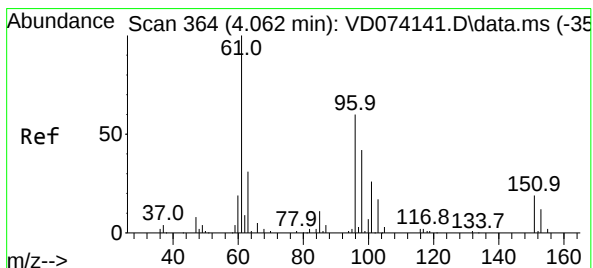
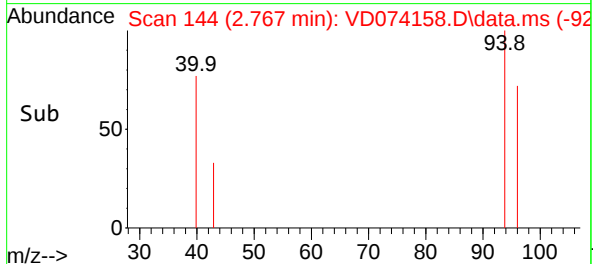
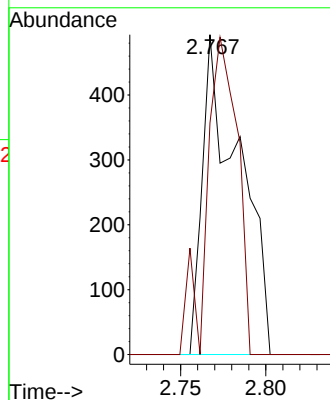
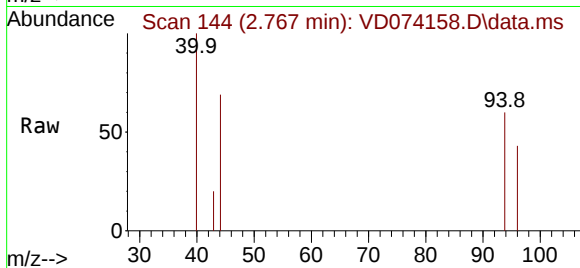
SP-3

Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 72.4 77.6 116.4#



#12

1,1-Dichloroethene

Concen: 1.214 ug/l

RT: 4.167 min Scan# 382

Delta R.T. 0.105 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

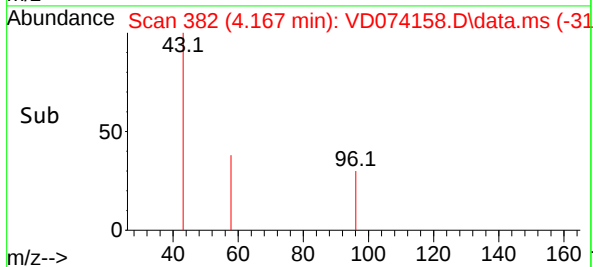
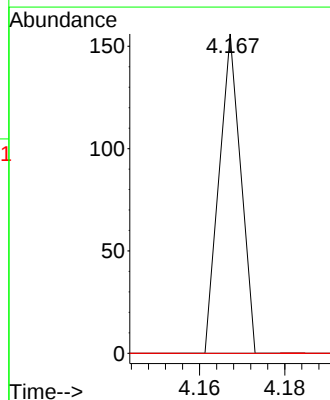
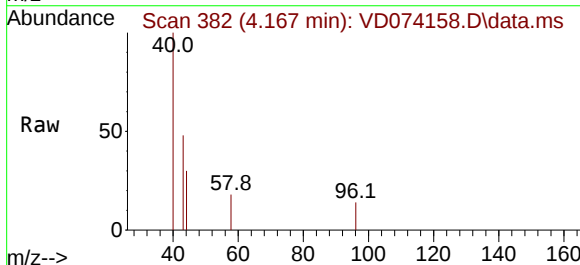
Tgt Ion: 96 Resp: 55

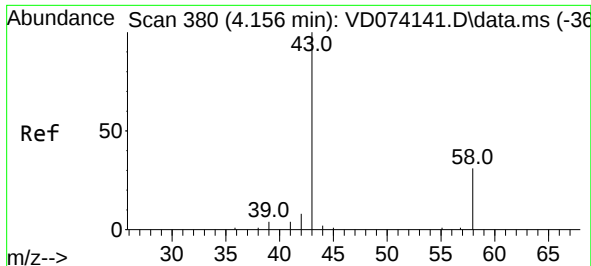
Ion Ratio Lower Upper

96 100

61 0.0 138.5 207.7#

98 0.0 48.6 73.0#

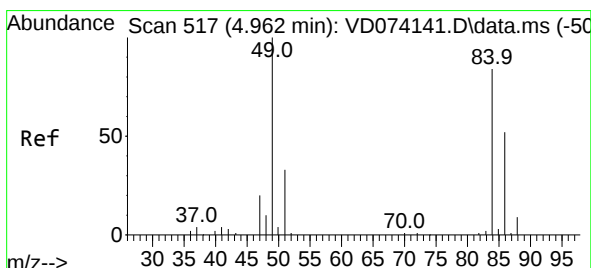
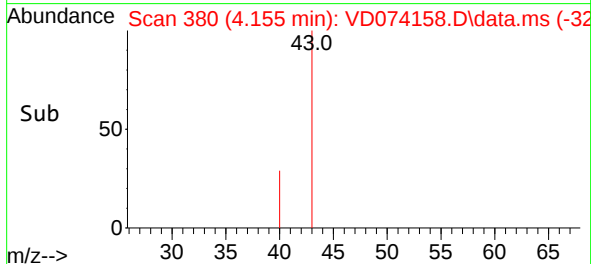
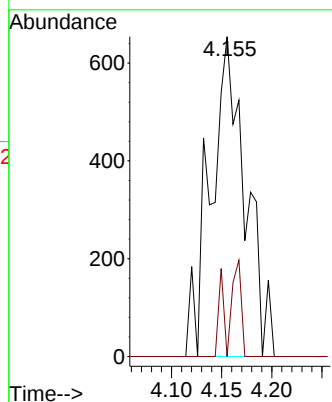
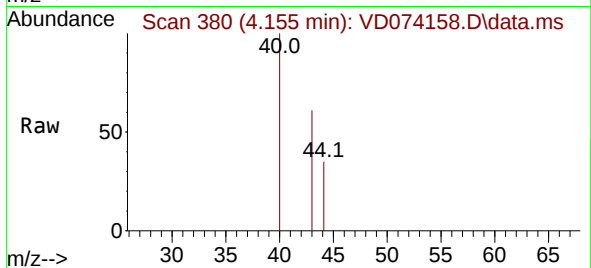




#16
Acetone
Concen: 174.735 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

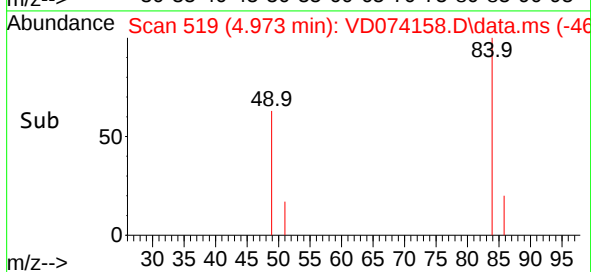
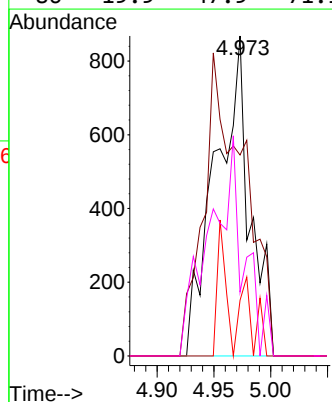
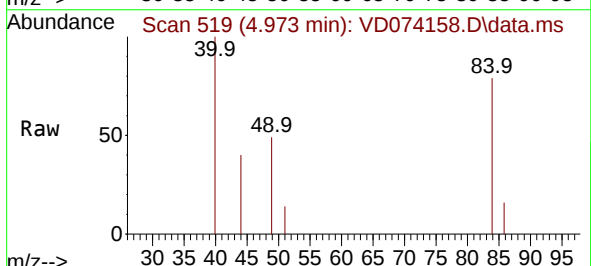
Instrument :
MSVOA_D
ClientSampleId :
SP-3

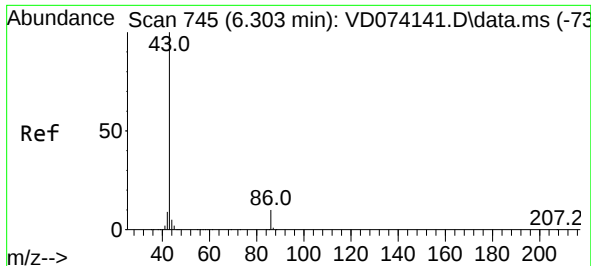
Tgt Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 23.277 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion: 84 Resp: 1815
Ion Ratio Lower Upper
84 100
49 62.8 112.8 169.2#
51 17.4 32.6 48.8#
86 19.9 47.9 71.9#

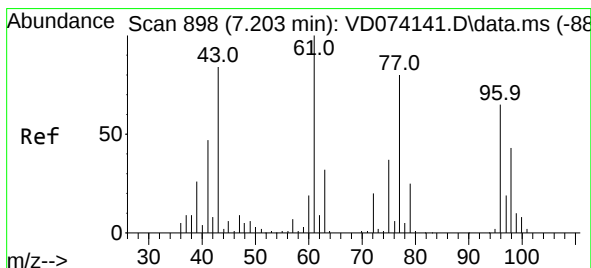
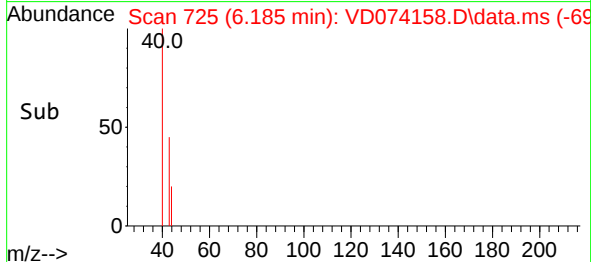
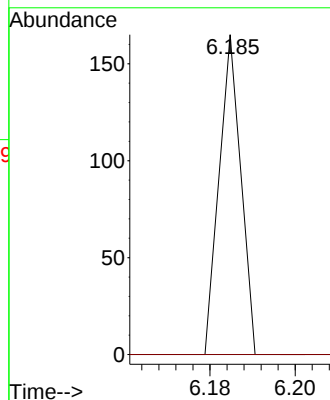
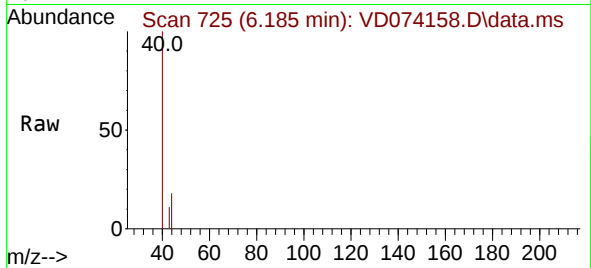




#23
 Vinyl Acetate
 Concen: 8.255 ug/l
 RT: 6.185 min Scan# 71
 Delta R.T. -0.118 min
 Lab File: VD074158.D
 Acq: 19 Aug 2022 19:53

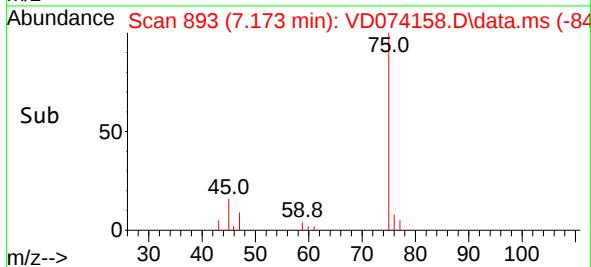
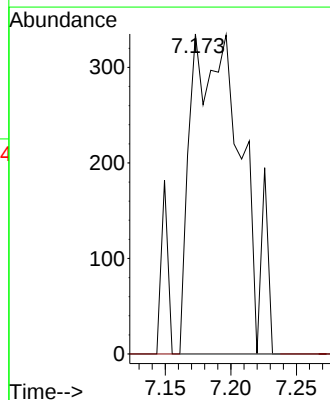
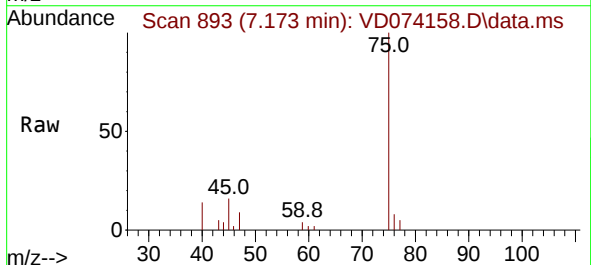
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

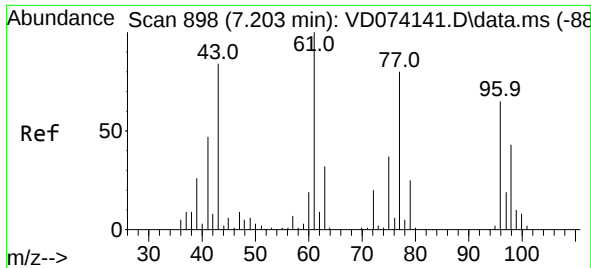
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 61.308 ug/l
 RT: 7.173 min Scan# 893
 Delta R.T. -0.030 min
 Lab File: VD074158.D
 Acq: 19 Aug 2022 19:53

Tgt Ion: 43 Resp: 908
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#

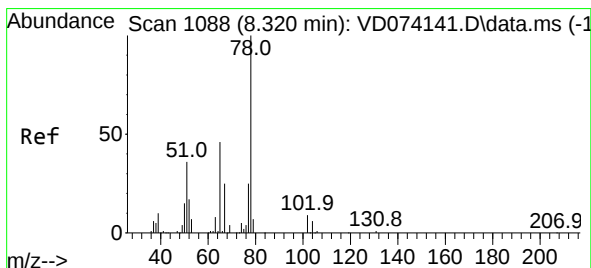
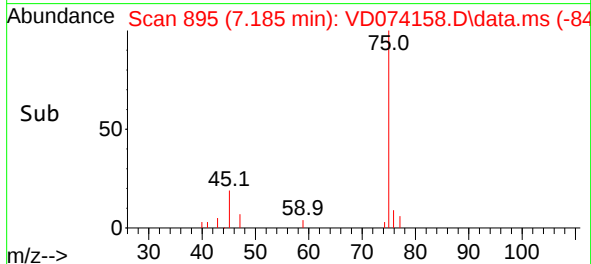
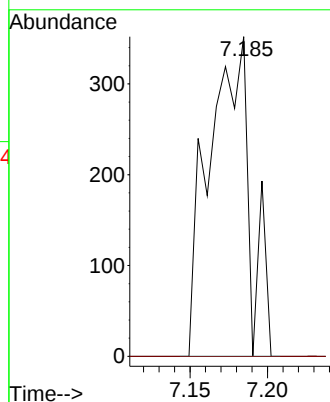
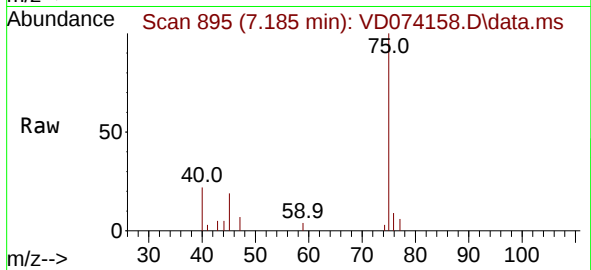




#26
2,2-Dichloropropane
Concen: 8.026 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

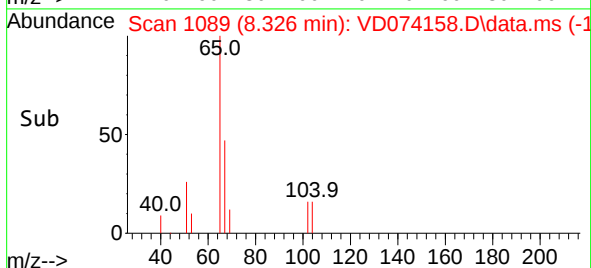
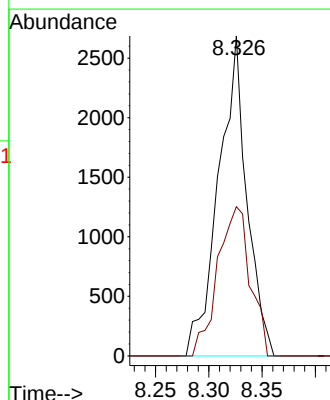
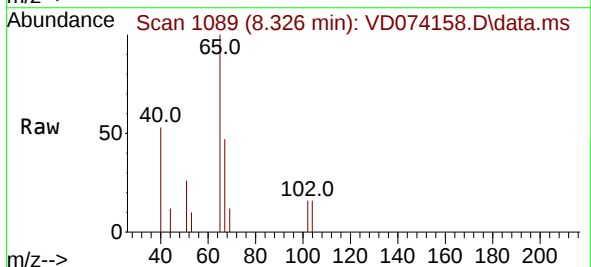
Instrument :
MSVOA_D
ClientSampleId :
SP-3

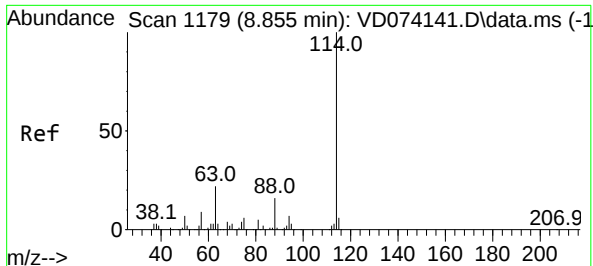
Tgt Ion: 77 Resp: 645
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#33
1,2-Dichloroethane-d4
Concen: 172.888 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion: 65 Resp: 4953
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

Instrument :

MSVOA_D

ClientSampleId :

SP-3

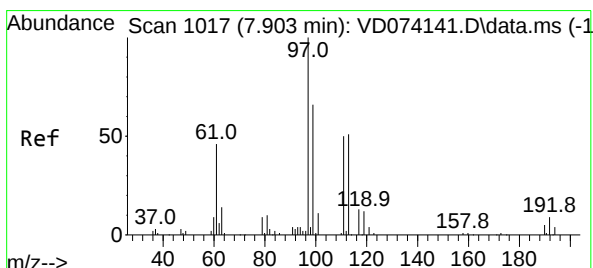
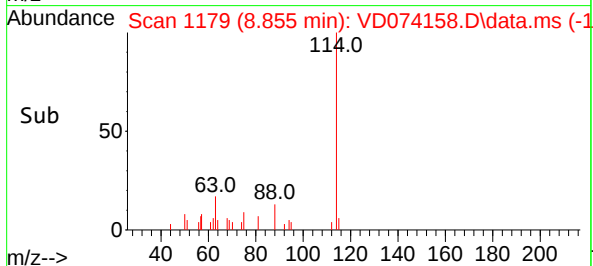
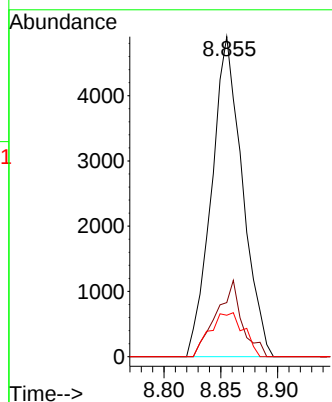
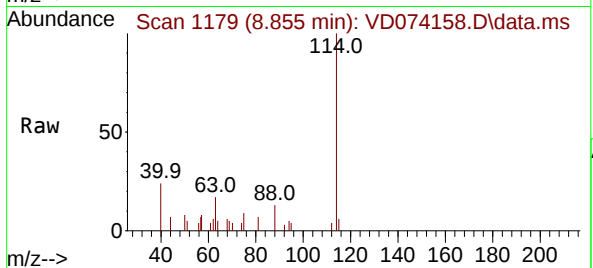
Tgt Ion:114 Resp: 9255

Ion Ratio Lower Upper

114 100

63 16.9 0.0 46.6

88 13.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 109.947 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.005 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

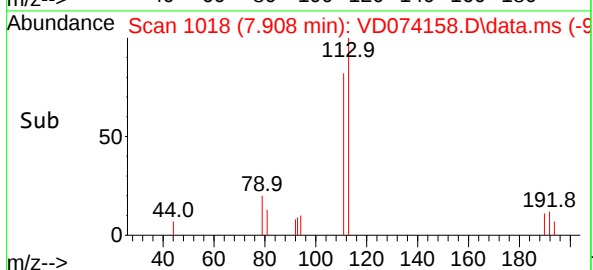
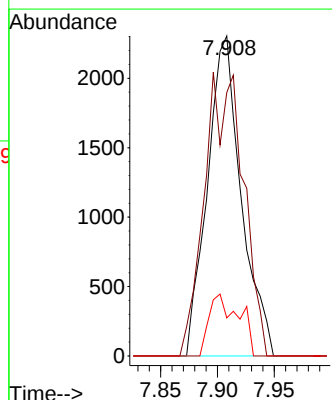
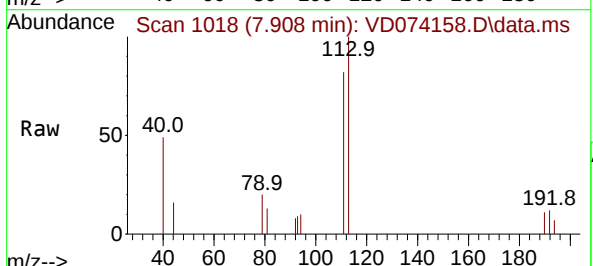
Tgt Ion:113 Resp: 4762

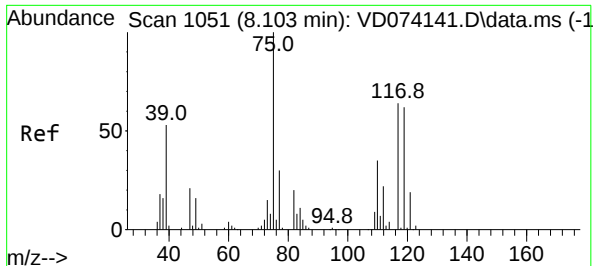
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 16.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 2.048 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.124 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

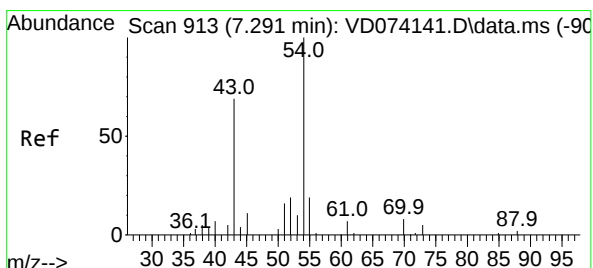
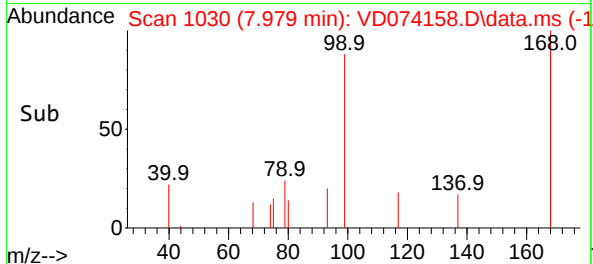
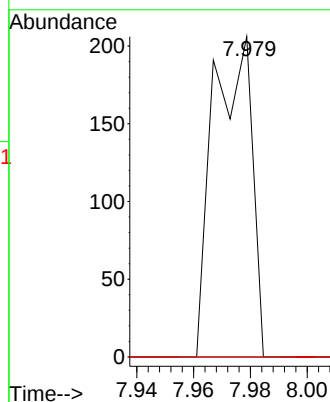
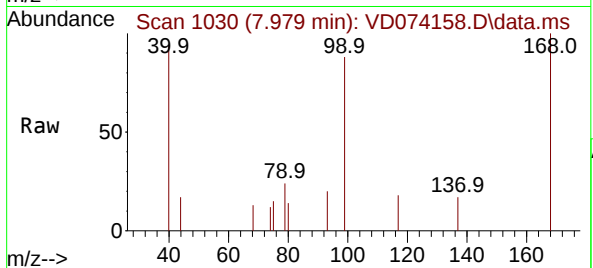
Instrument :

MSVOA_D

ClientSampleId :

SP-3

Tgt Ion: 75	Resp: 194
Ion Ratio	Lower Upper
75 100	
110 0.0	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 2.921 ug/l

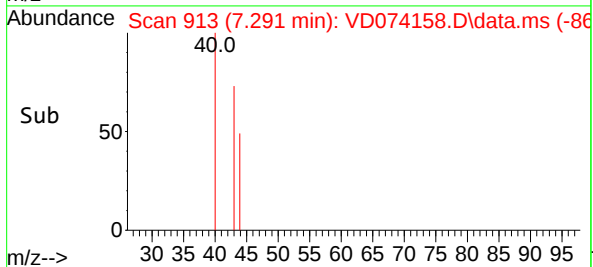
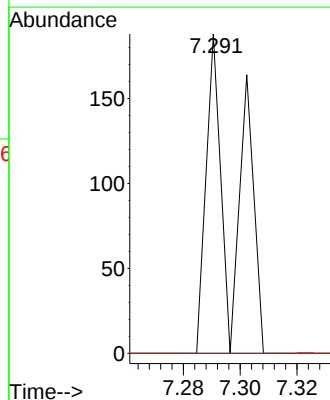
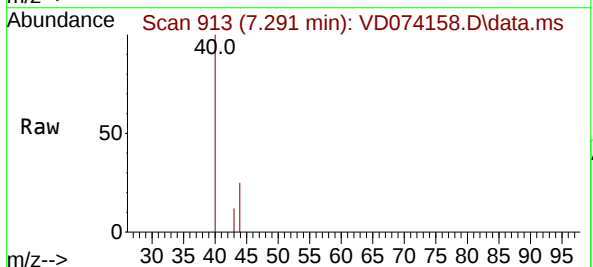
RT: 7.291 min Scan# 913

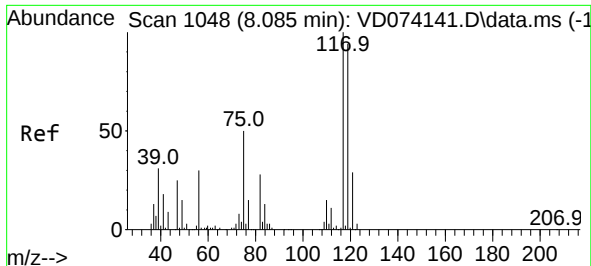
Delta R.T. -0.000 min

Lab File: VD074158.D

Acq: 19 Aug 2022 19:53

Tgt Ion: 43	Resp: 124
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	6.9 10.3#

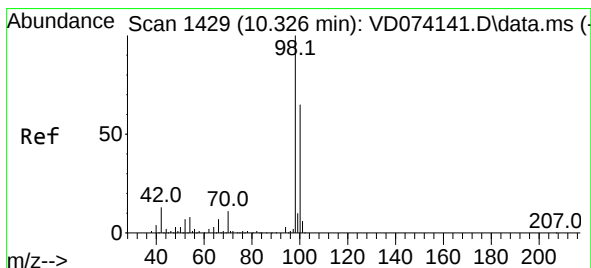
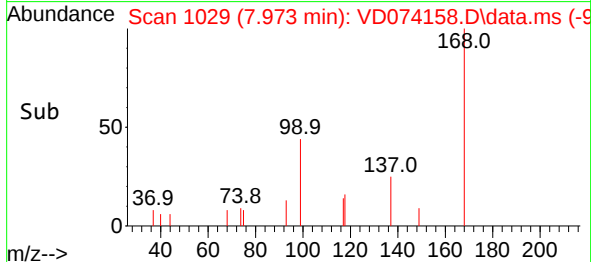
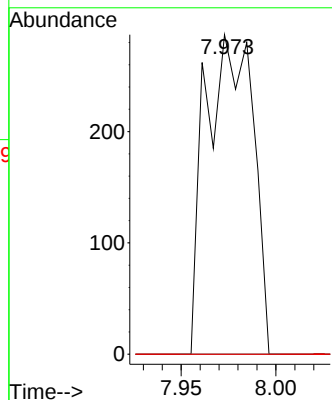
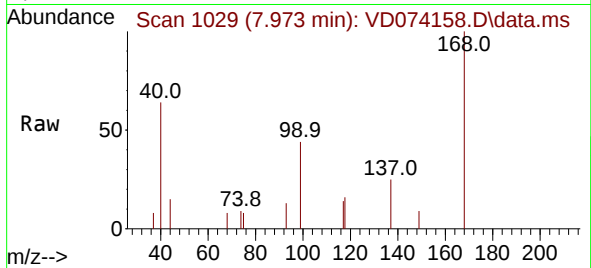




#38
Carbon Tetrachloride
Concen: 5.337 ug/l
RT: 7.973 min Scan# 117
Delta R.T. -0.112 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

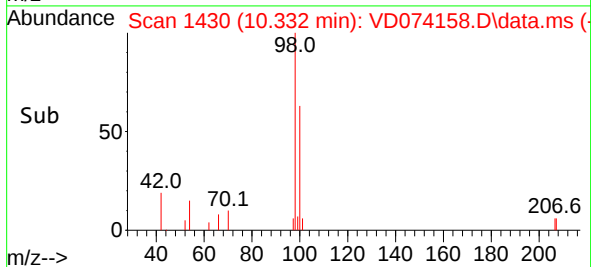
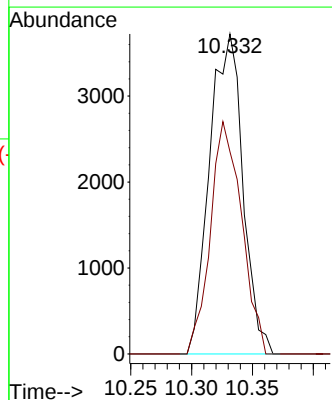
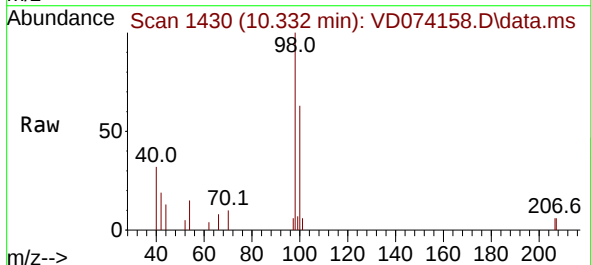
Instrument :
MSVOA_D
ClientSampleId :
SP-3

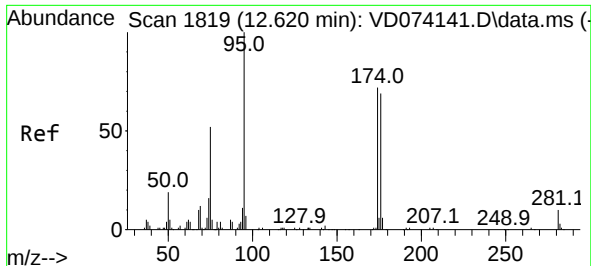
Tgt Ion:117 Resp: 500
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 56.543 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion: 98 Resp: 7072
Ion Ratio Lower Upper
98 100
100 68.3 52.4 78.6

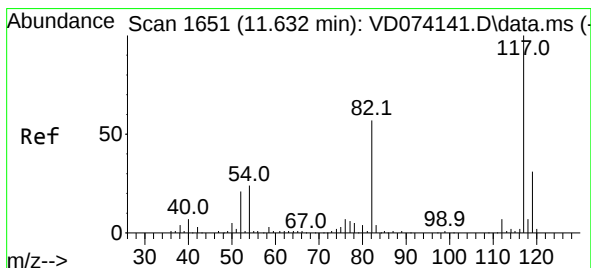
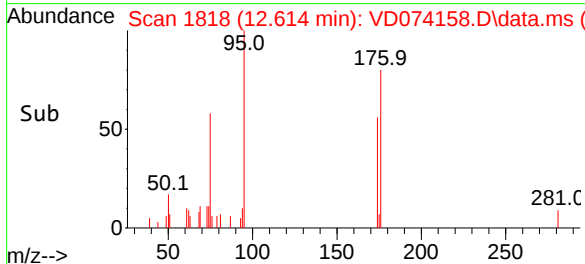
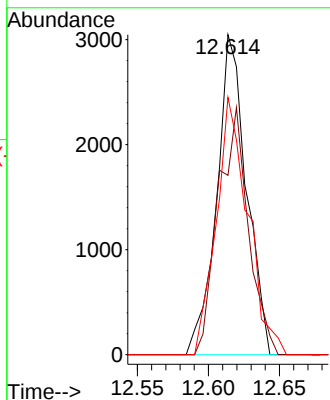
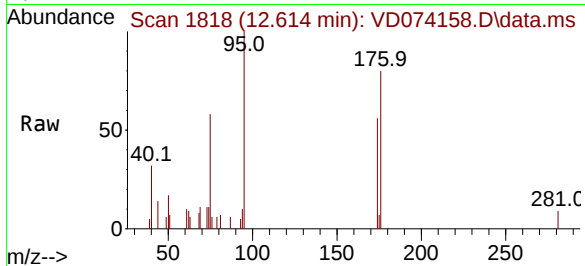




#62
4-Bromofluorobenzene
Concen: 64.041 ug/l
RT: 12.614 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

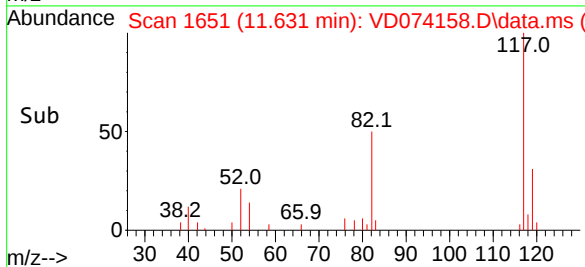
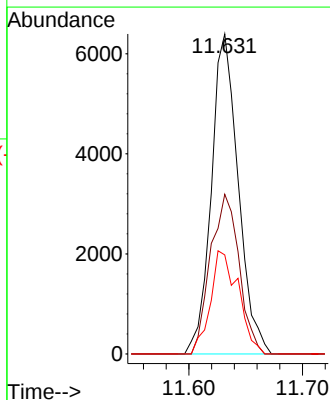
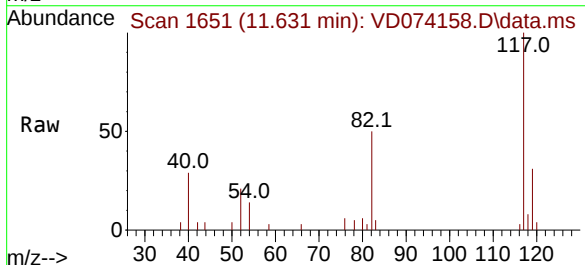
Instrument :
MSVOA_D
ClientSampleId :
SP-3

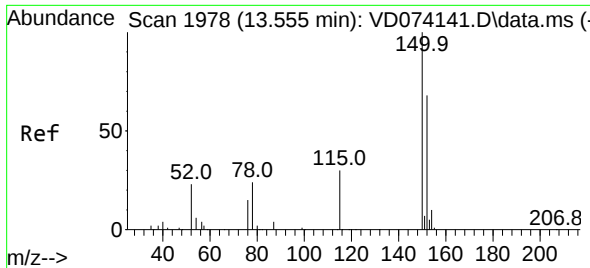
Tgt Ion:	95	Resp:	4435
Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	152.8
176	85.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 1651
Delta R.T. -0.001 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion:	117	Resp:	10515
Ion	Ratio	Lower	Upper
117	100		
82	49.9	45.3	67.9
119	30.9	26.6	40.0

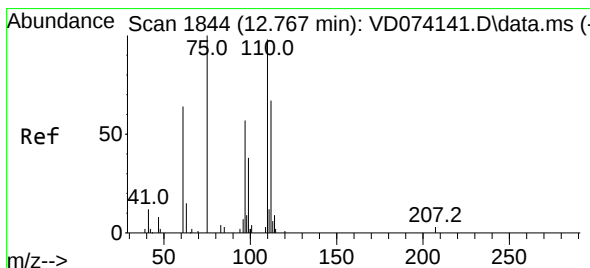
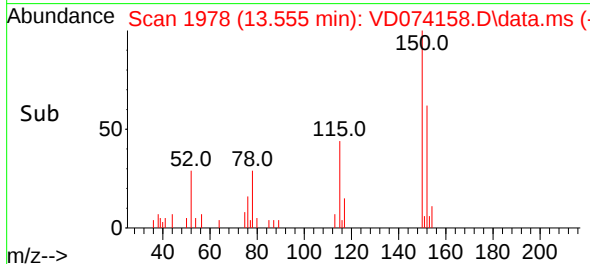
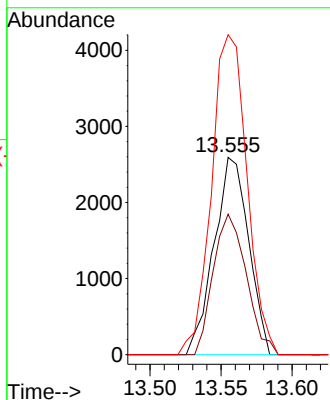
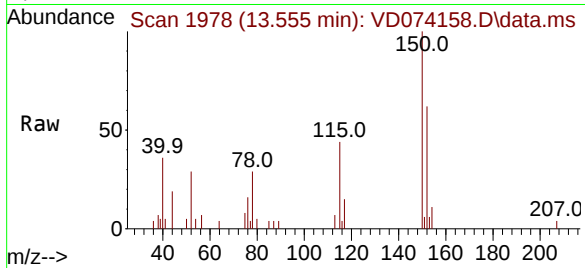




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1978
 Delta R.T. -0.000 min
 Lab File: VD074158.D
 Acq: 19 Aug 2022 19:53

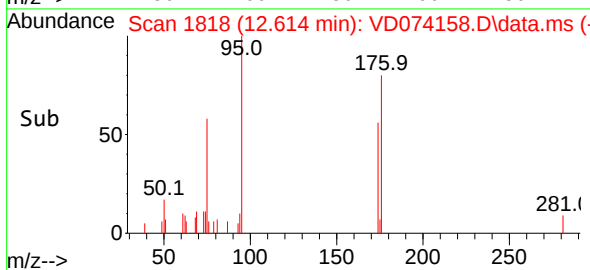
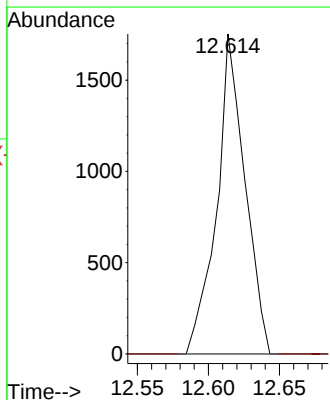
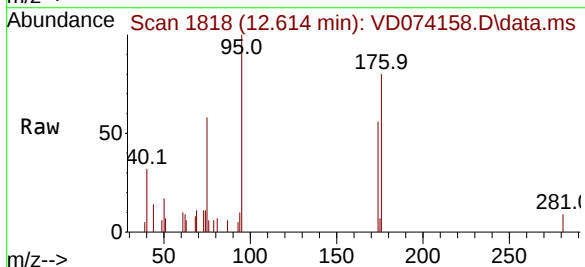
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

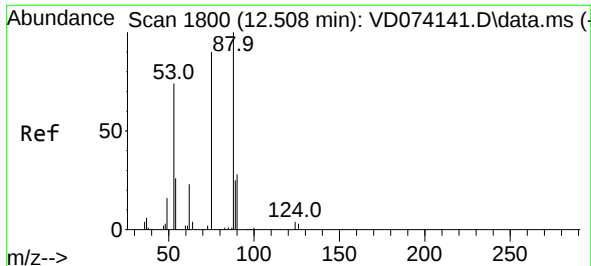
Tgt Ion:152 Resp: 4401
 Ion Ratio Lower Upper
 152 100
 115 68.0 31.3 93.8
 150 166.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 53.164 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074158.D
 Acq: 19 Aug 2022 19:53

Tgt Ion: 75 Resp: 2423
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

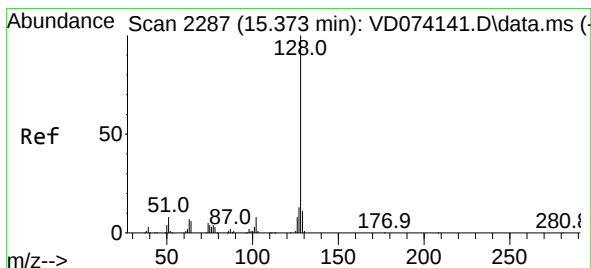
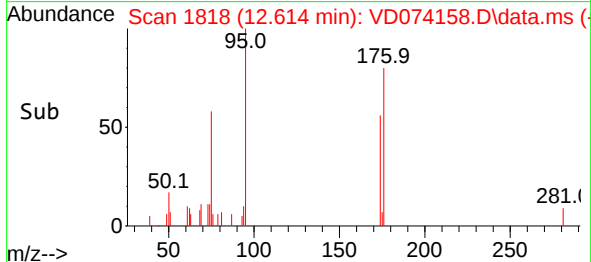
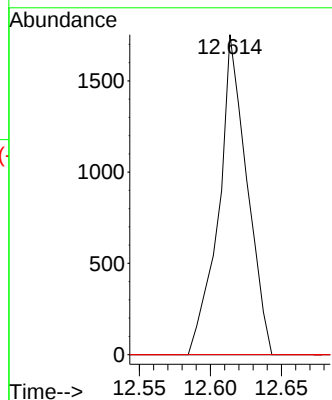
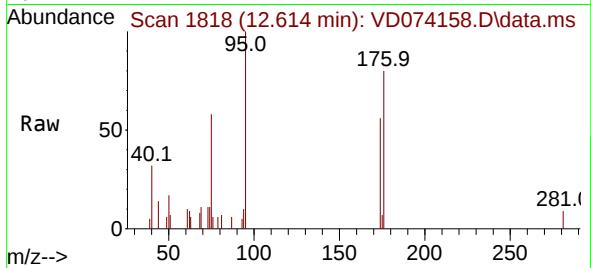




#81
trans-1,4-Dichloro-2-butene
Concen: 139.116 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.106 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tgt Ion: 75 Resp: 2423
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.557 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. 0.005 min
Lab File: VD074158.D
Acq: 19 Aug 2022 19:53

Tgt Ion: 128 Resp: 239
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

