

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074028.D
 Acq On : 10 Aug 2022 16:35
 Operator : VA/SY
 Sample : N4038-06
 Misc : 4.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-6

Quant Time: Aug 10 17:41:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

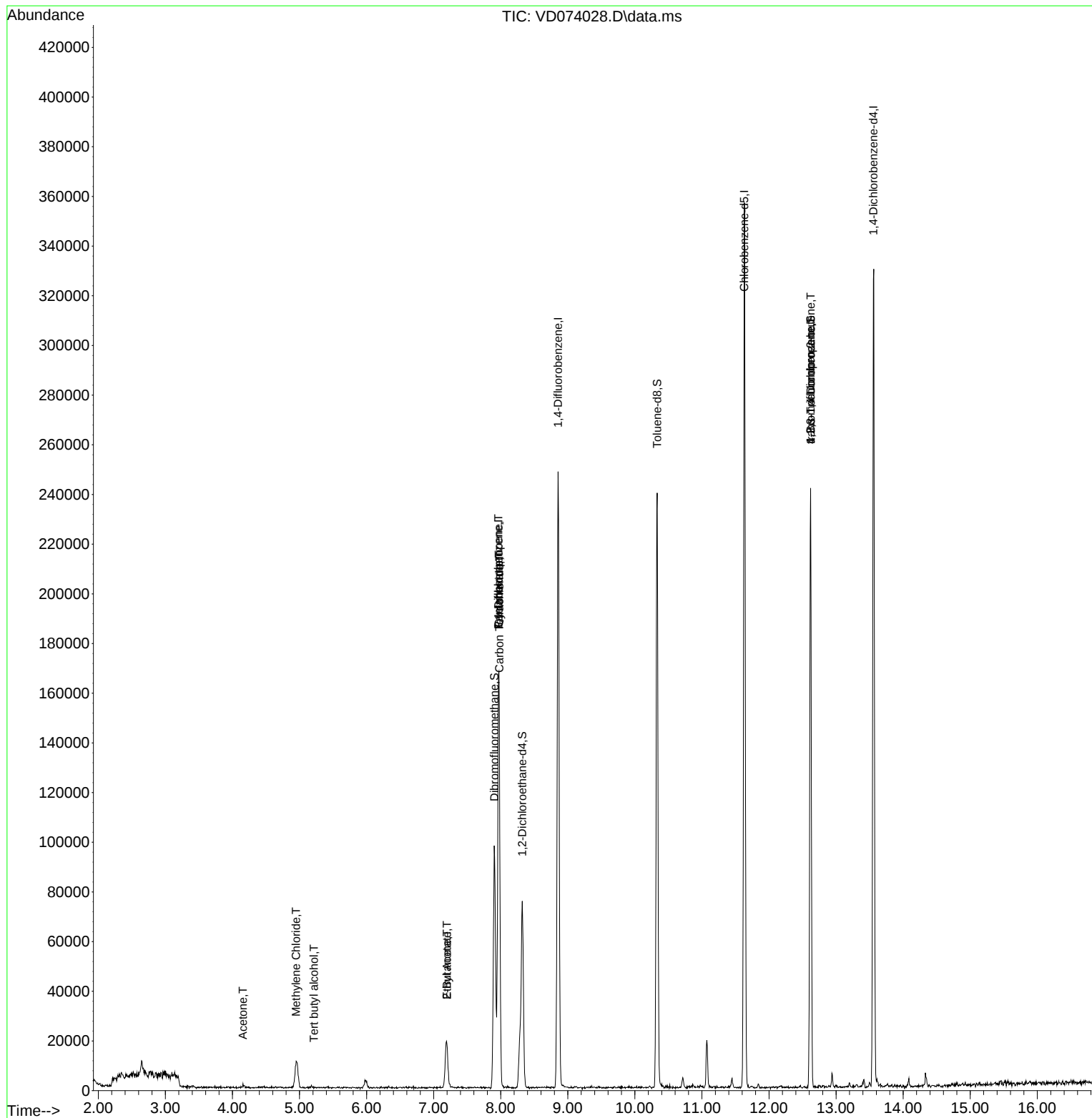
Internal Standards						
1) Pentafluorobenzene	7.967	168	123364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	212118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	194998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	86711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	56637	59.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.280%
35) Dibromofluoromethane	7.903	113	65989	46.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.680%
50) Toluene-d8	10.332	98	164378	43.910	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.820%
62) 4-Bromofluorobenzene	12.620	95	73907	42.658	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	222	Below Cal	#	43
3) Chloromethane	2.209	50	641	Below Cal		92
11) Tert butyl alcohol	5.214	59	55	8.220	ug/l #	74
16) Acetone	4.156	43	1480	7.498	ug/l	90
18) Methyl Acetate	4.473	43	62	Below Cal	#	49
20) Methylene Chloride	4.950	84	9334	4.372	ug/l	95
25) 2-Butanone	7.197	43	1600	5.183	ug/l #	46
31) Cyclohexane	7.973	56	3149	1.454	ug/l #	50
36) 1,1-Dichloropropene	7.967	75	11361	5.299	ug/l #	48
37) Ethyl Acetate	7.197	43	1600	2.097	ug/l #	41
38) Carbon Tetrachloride	7.979	117	12938	5.353	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	40747	51.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	40747	137.369	ug/l #	13

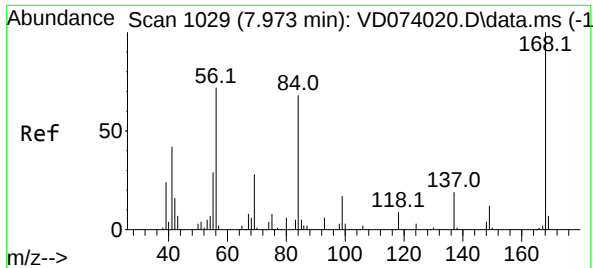
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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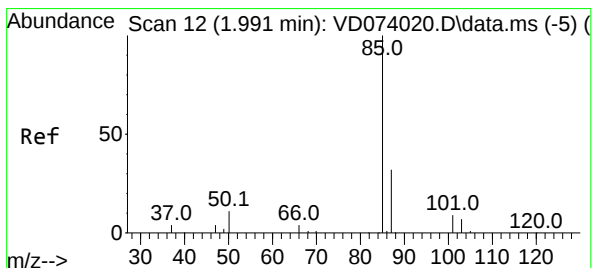
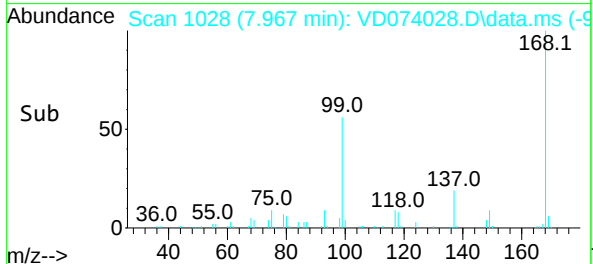
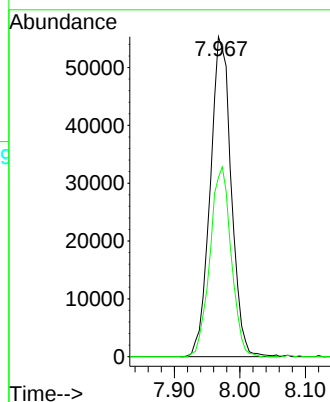
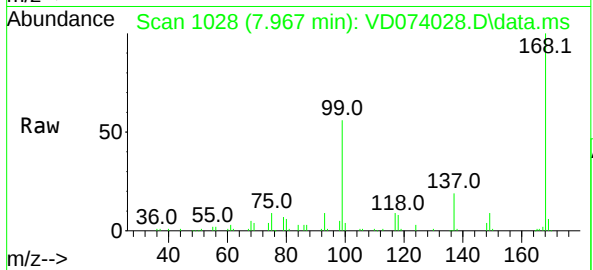




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

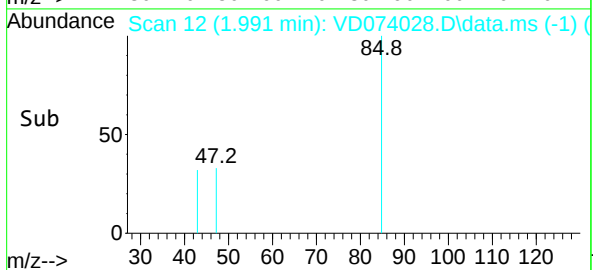
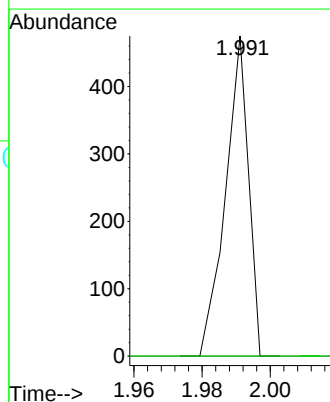
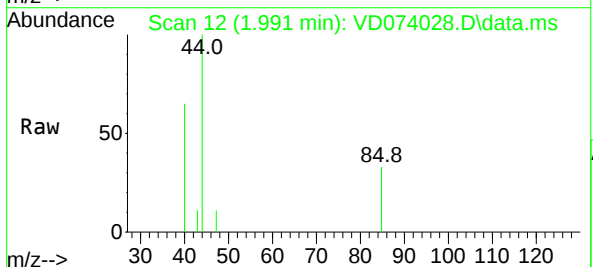
Instrument :
MSVOA_D
ClientSampleId :
S-6

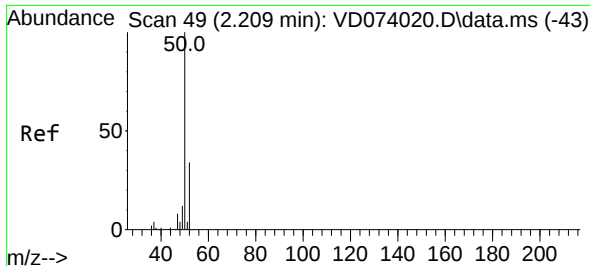
Tgt Ion:168 Resp: 123364
Ion Ratio Lower Upper
168 100
99 56.0 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 85 Resp: 222
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

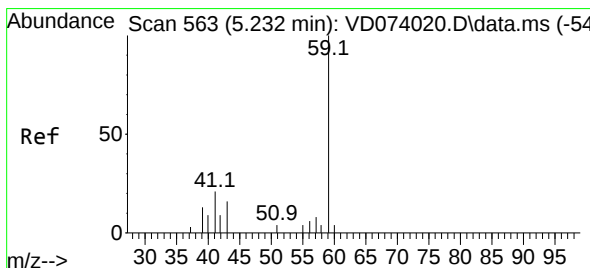
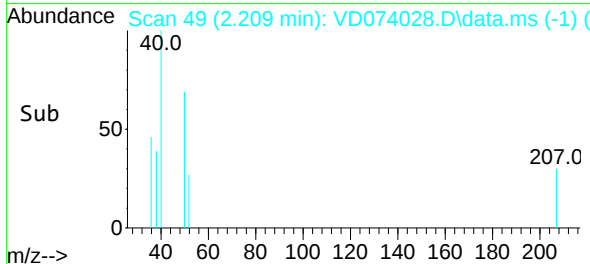
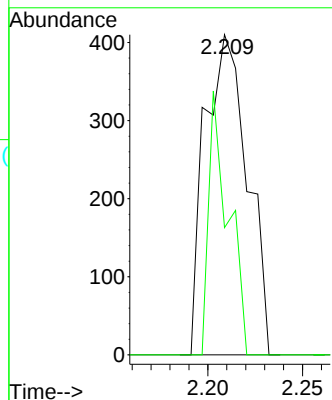
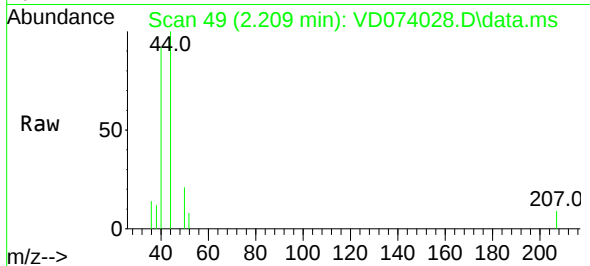




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

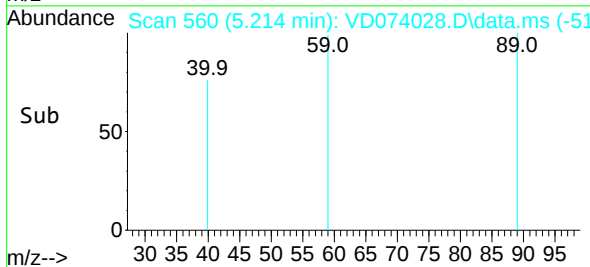
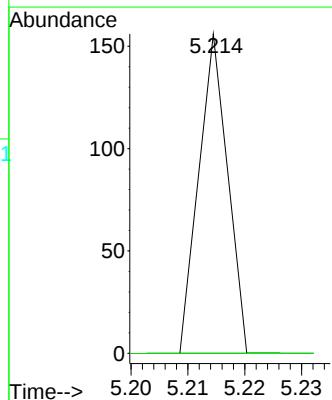
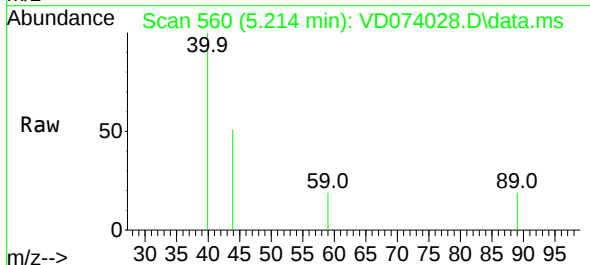
Instrument :
MSVOA_D
ClientSampleId :
S-6

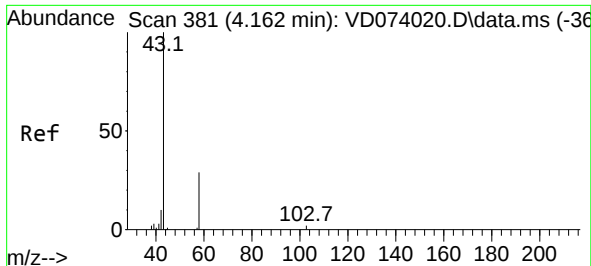
Tgt Ion: 50 Resp: 641
Ion Ratio Lower Upper
50 100
52 39.8 28.1 42.1



#11
Tert butyl alcohol
Concen: 8.220 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

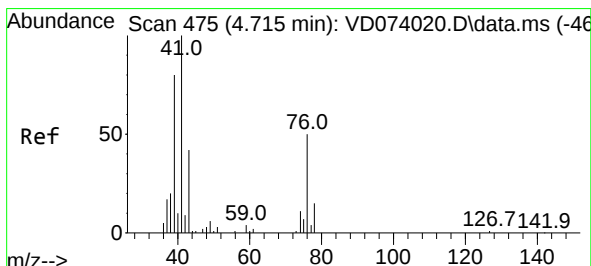
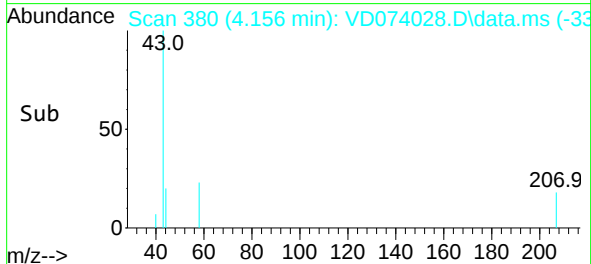
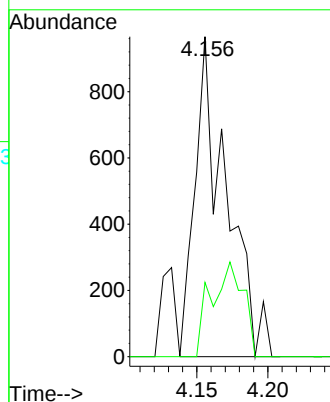
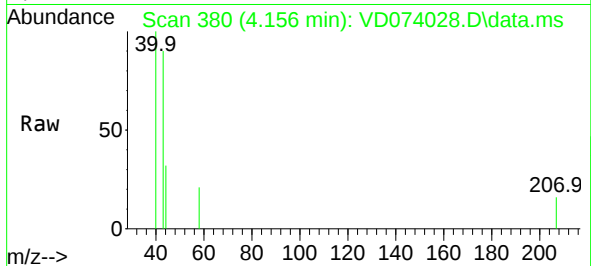




#16
Acetone
Concen: 7.498 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

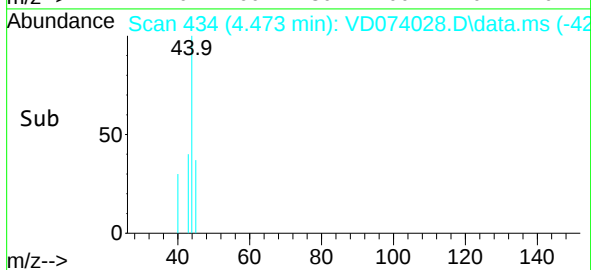
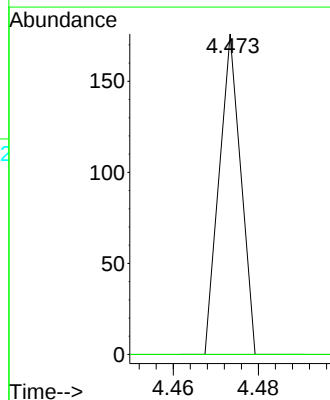
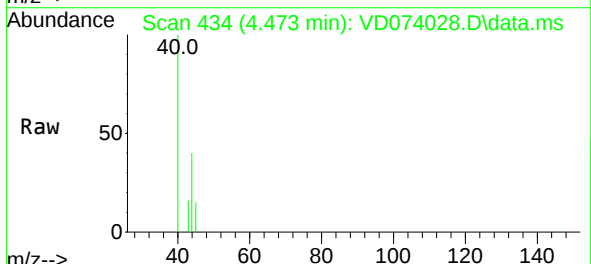
Instrument :
MSVOA_D
ClientSampleId :
S-6

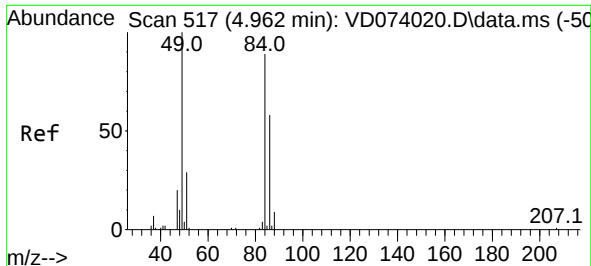
Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 23.2 22.8 34.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 434
Delta R.T. -0.242 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

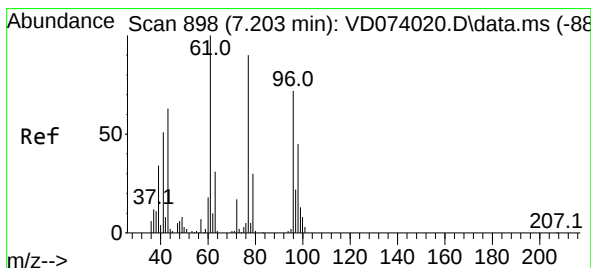
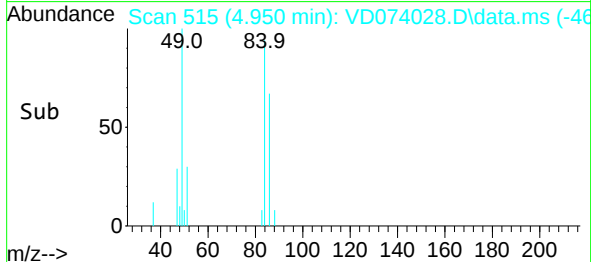
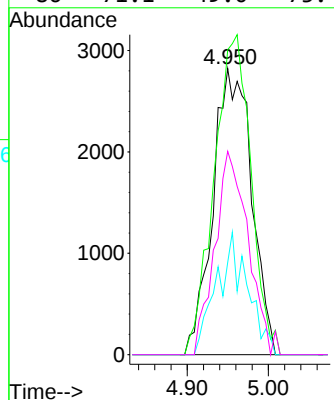
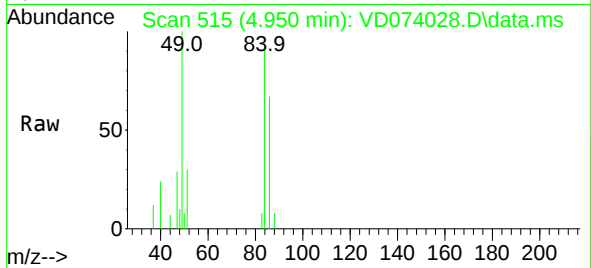




#20
Methylene Chloride
Concen: 4.372 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

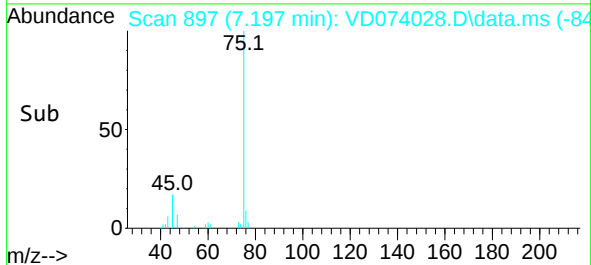
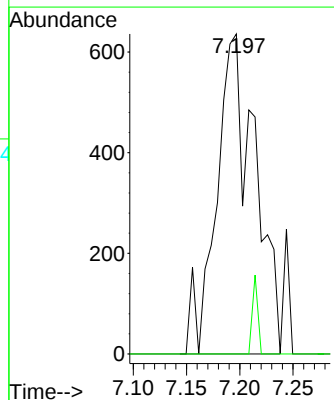
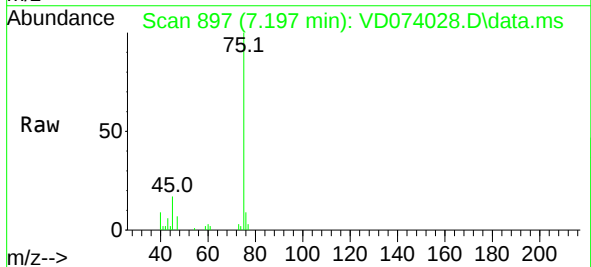
Instrument :
MSVOA_D
ClientSampleId :
S-6

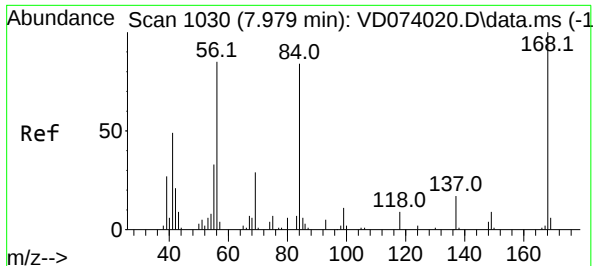
Tgt Ion:	84	Resp:	9334
Ion	Ratio	Lower	Upper
84	100		
49	106.6	85.8	128.6
51	32.3	28.0	42.0
86	71.1	49.0	73.4



#25
2-Butanone
Concen: 5.183 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion:	43	Resp:	1600
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.6#

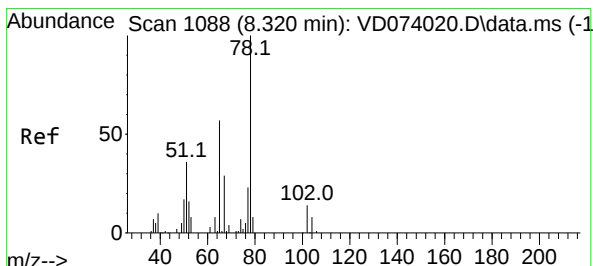
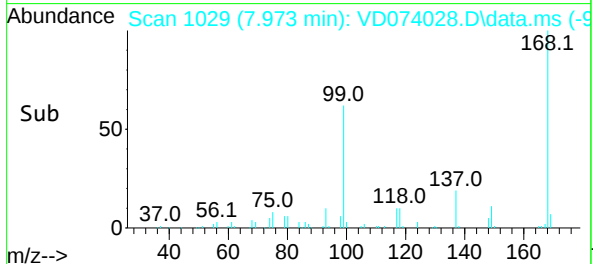
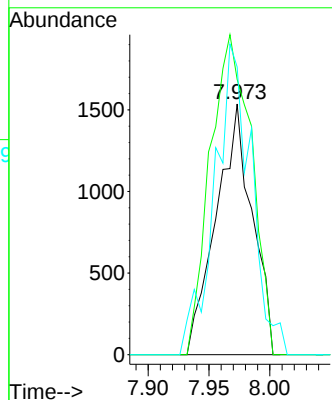
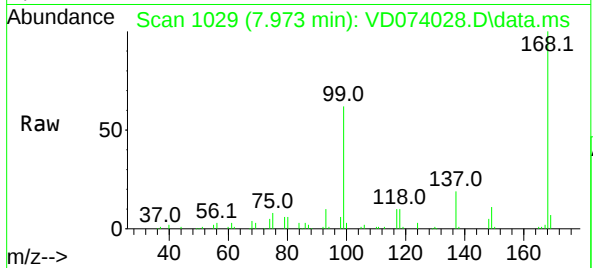




#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

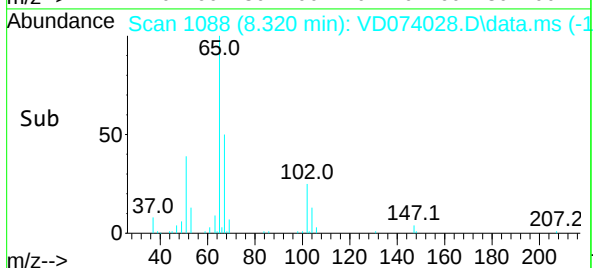
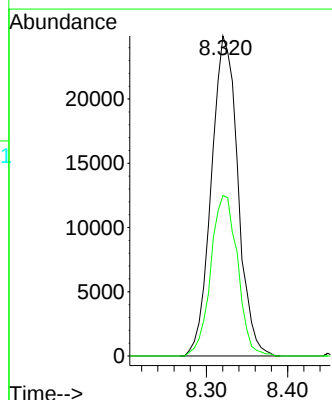
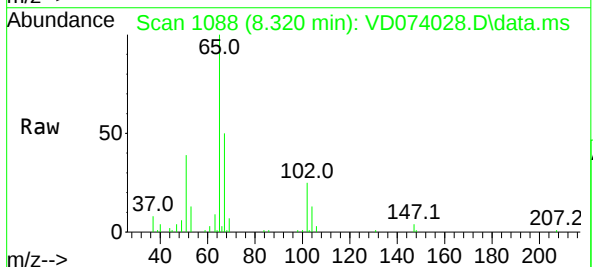
Instrument :
MSVOA_D
ClientSampleId :
S-6

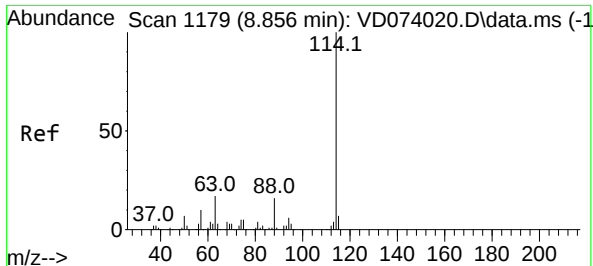
Tgt Ion: 56 Resp: 3149
Ion Ratio Lower Upper
56 100
69 109.8 27.9 41.9#
84 114.8 75.8 113.6#



#33
1,2-Dichloroethane-d4
Concen: 59.643 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 65 Resp: 56637
Ion Ratio Lower Upper
65 100
67 50.5 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074028.D

Acq: 10 Aug 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

S-6

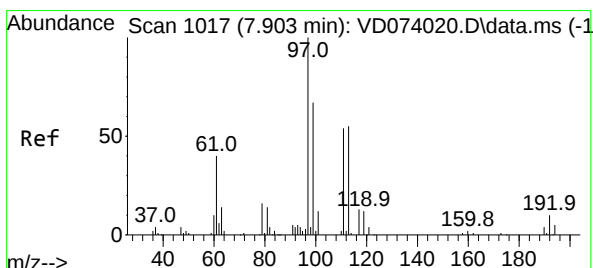
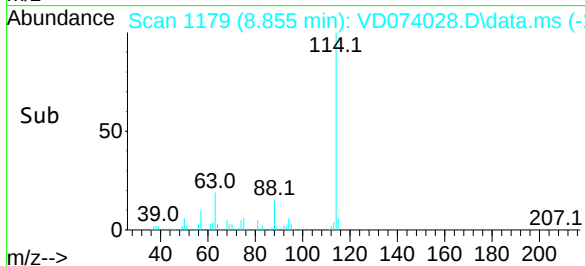
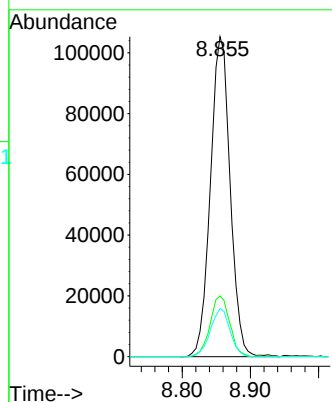
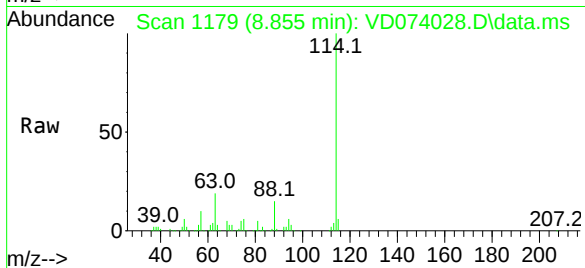
Tgt Ion:114 Resp: 212118

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.0

88 15.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.838 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VD074028.D

Acq: 10 Aug 2022 16:35

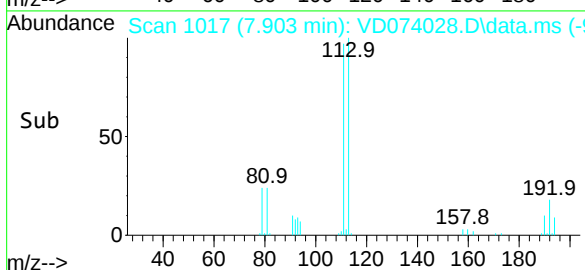
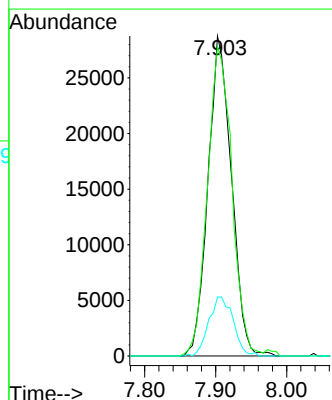
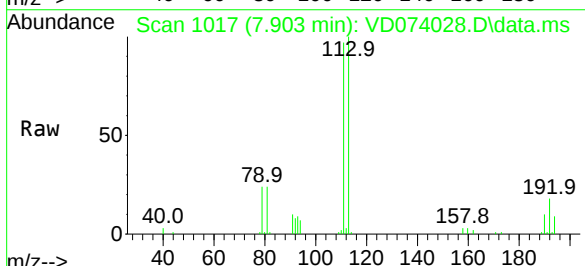
Tgt Ion:113 Resp: 65989

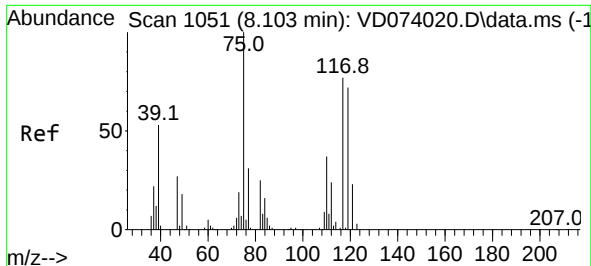
Ion Ratio Lower Upper

113 100

111 101.0 80.0 120.0

192 19.2 14.2 21.4





#36

1,1-Dichloropropene

Concen: 5.299 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.136 min

Lab File: VD074028.D

Acq: 10 Aug 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

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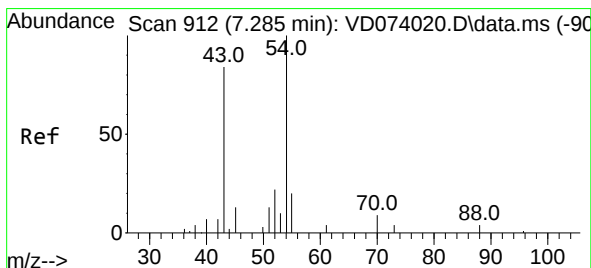
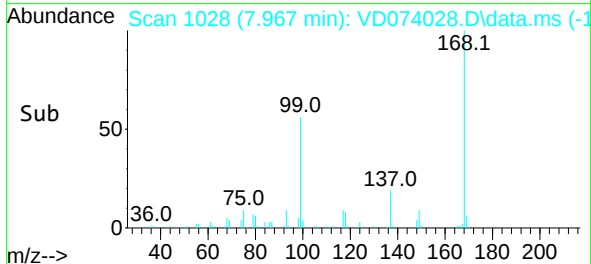
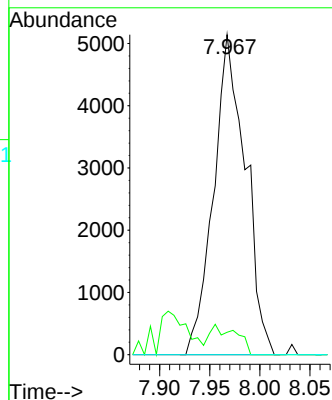
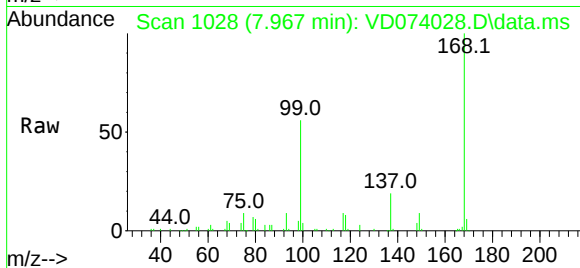
Tgt Ion: 75 Resp: 11361

Ion Ratio Lower Upper

75 100

110 7.8 18.4 55.4#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.097 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD074028.D

Acq: 10 Aug 2022 16:35

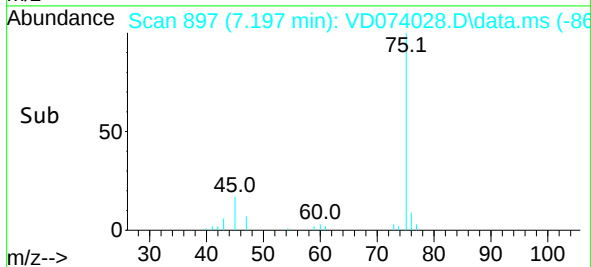
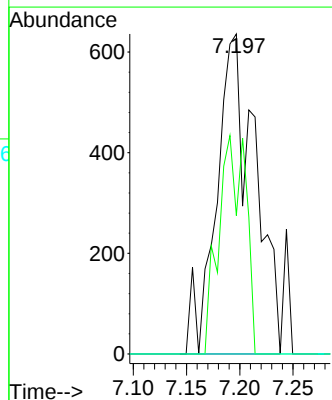
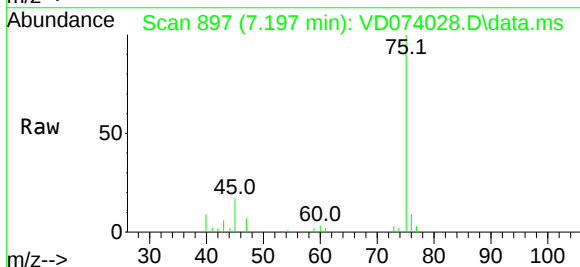
Tgt Ion: 43 Resp: 1600

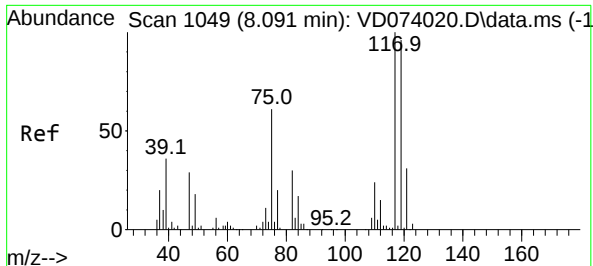
Ion Ratio Lower Upper

43 100

61 47.6 11.0 16.6#

70 0.0 10.2 15.2#

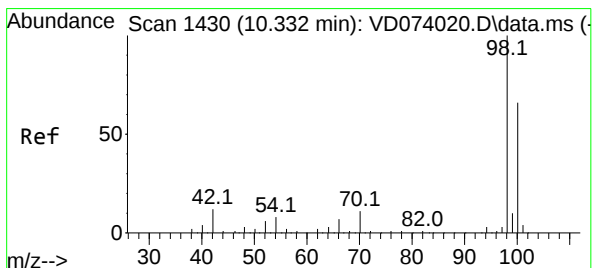
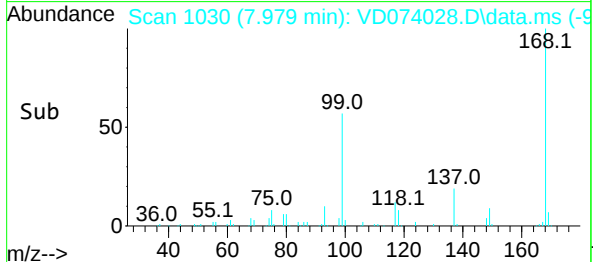
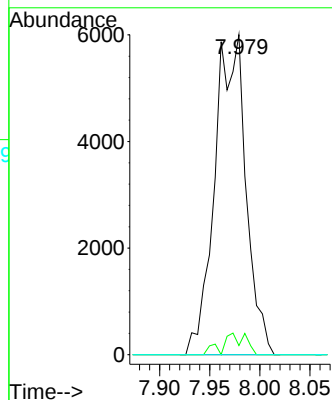
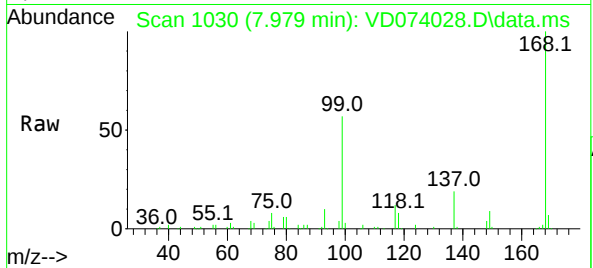




#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

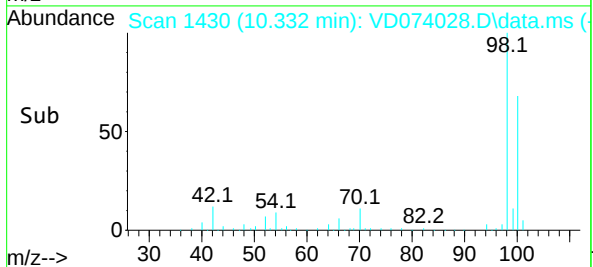
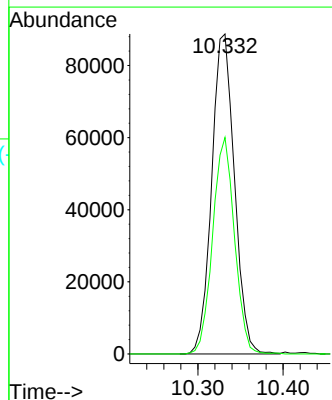
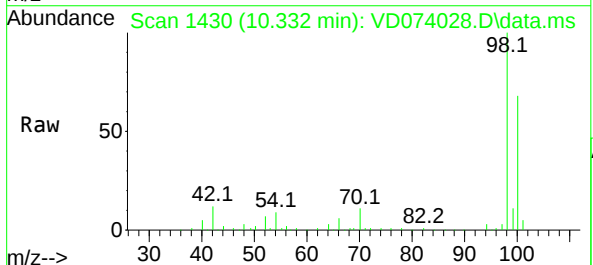
Instrument :
MSVOA_D
ClientSampleId :
S-6

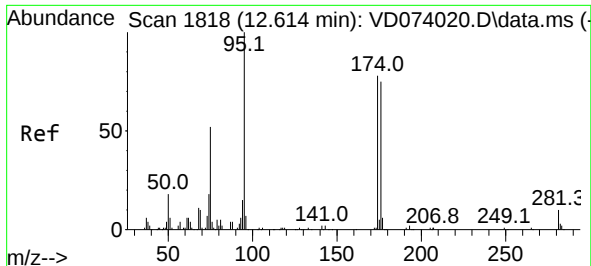
Tgt Ion:117 Resp: 12938
Ion Ratio Lower Upper
117 100
119 2.8 75.4 113.2#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 43.910 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 98 Resp: 164378
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9

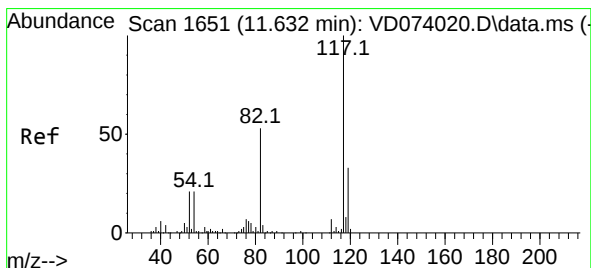
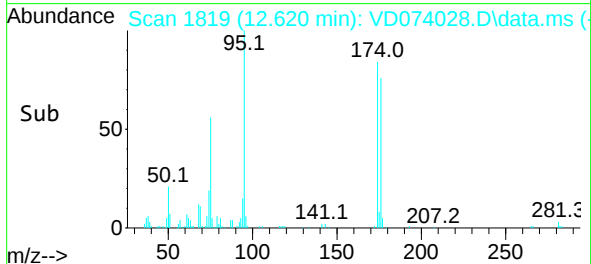
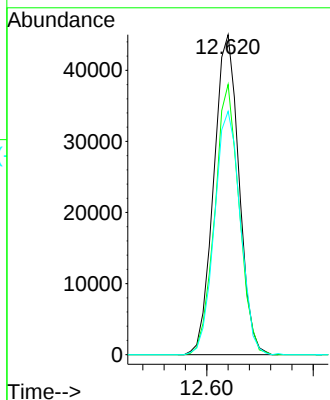
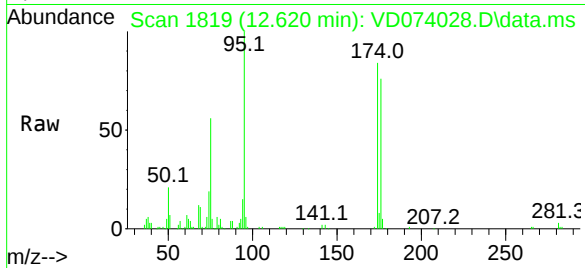




#62
4-Bromofluorobenzene
Concen: 42.658 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

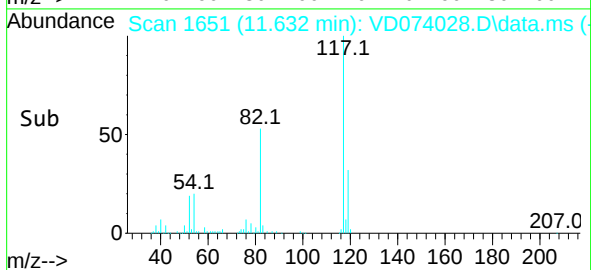
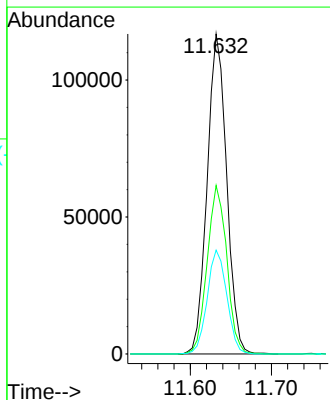
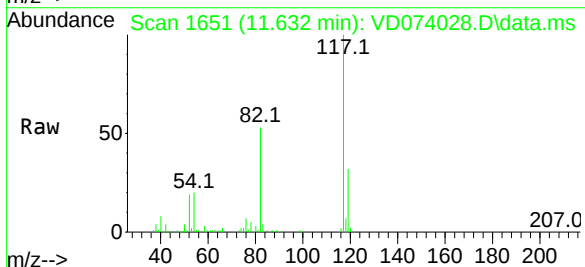
Instrument :
MSVOA_D
ClientSampleId :
S-6

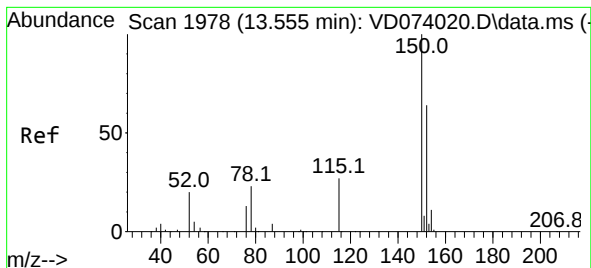
Tgt Ion: 95 Resp: 73907
Ion Ratio Lower Upper
95 100
174 81.4 0.0 162.6
176 77.8 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074028.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 117 Resp: 194998
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1978

Delta R.T. 0.000 min

Lab File: VD074028.D

Acq: 10 Aug 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

S-6

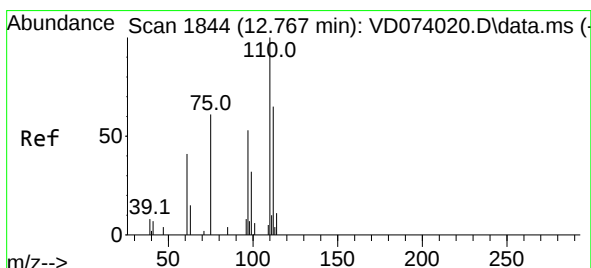
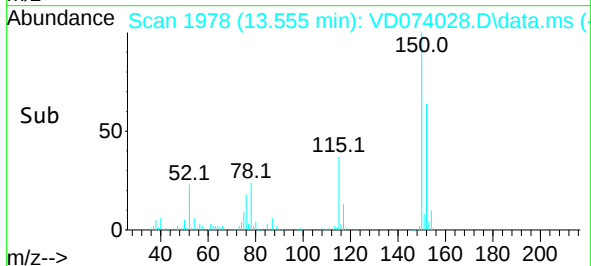
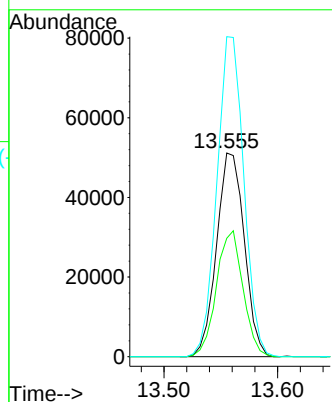
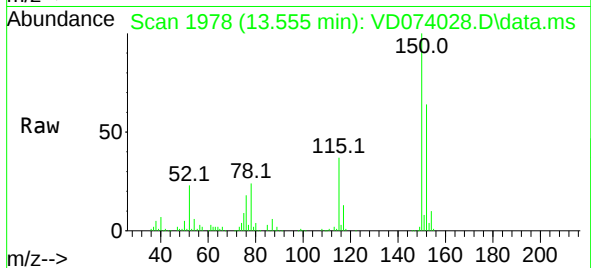
Tgt Ion:152 Resp: 86711

Ion Ratio Lower Upper

152 100

115 59.3 29.9 89.8

150 153.0 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 51.469 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD074028.D

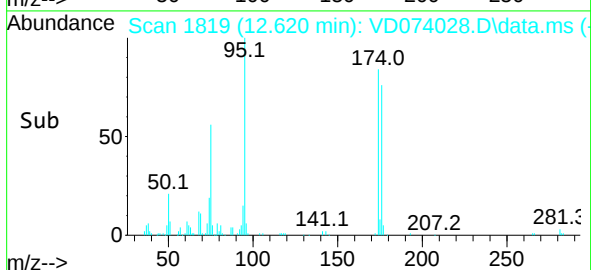
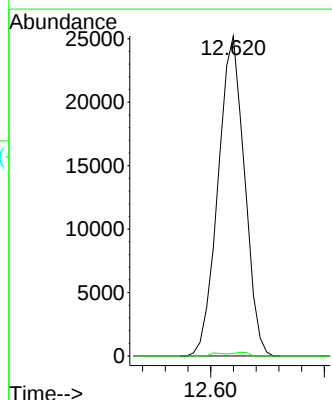
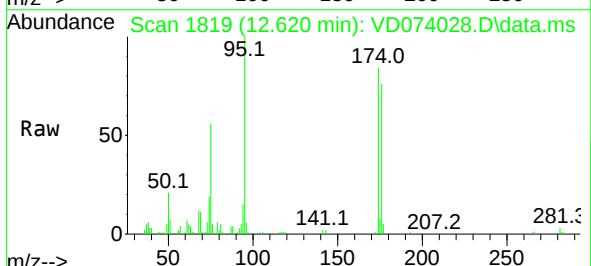
Acq: 10 Aug 2022 16:35

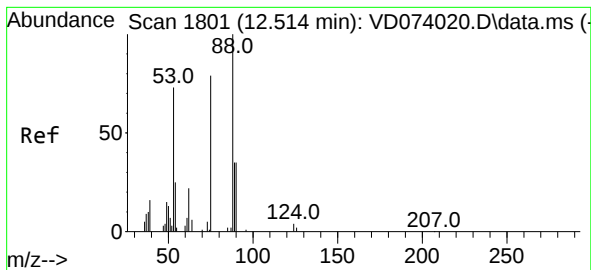
Tgt Ion: 75 Resp: 40747

Ion Ratio Lower Upper

75 100

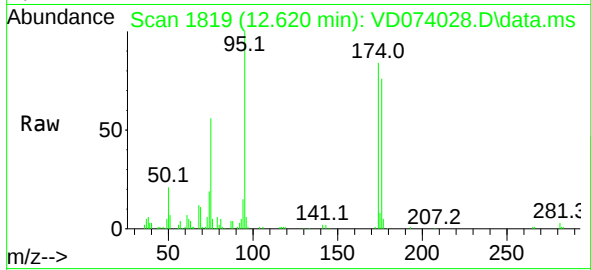
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.369 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074028.D
 Acq: 10 Aug 2022 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 S-6



Tgt Ion: 75 Resp: 40747
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 38.3 57.5#

