

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081722\
 Data File : VD074135.D
 Acq On : 17 Aug 2022 20:28
 Operator : VA/SY
 Sample : N4226-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1

Quant Time: Aug 18 03:24:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

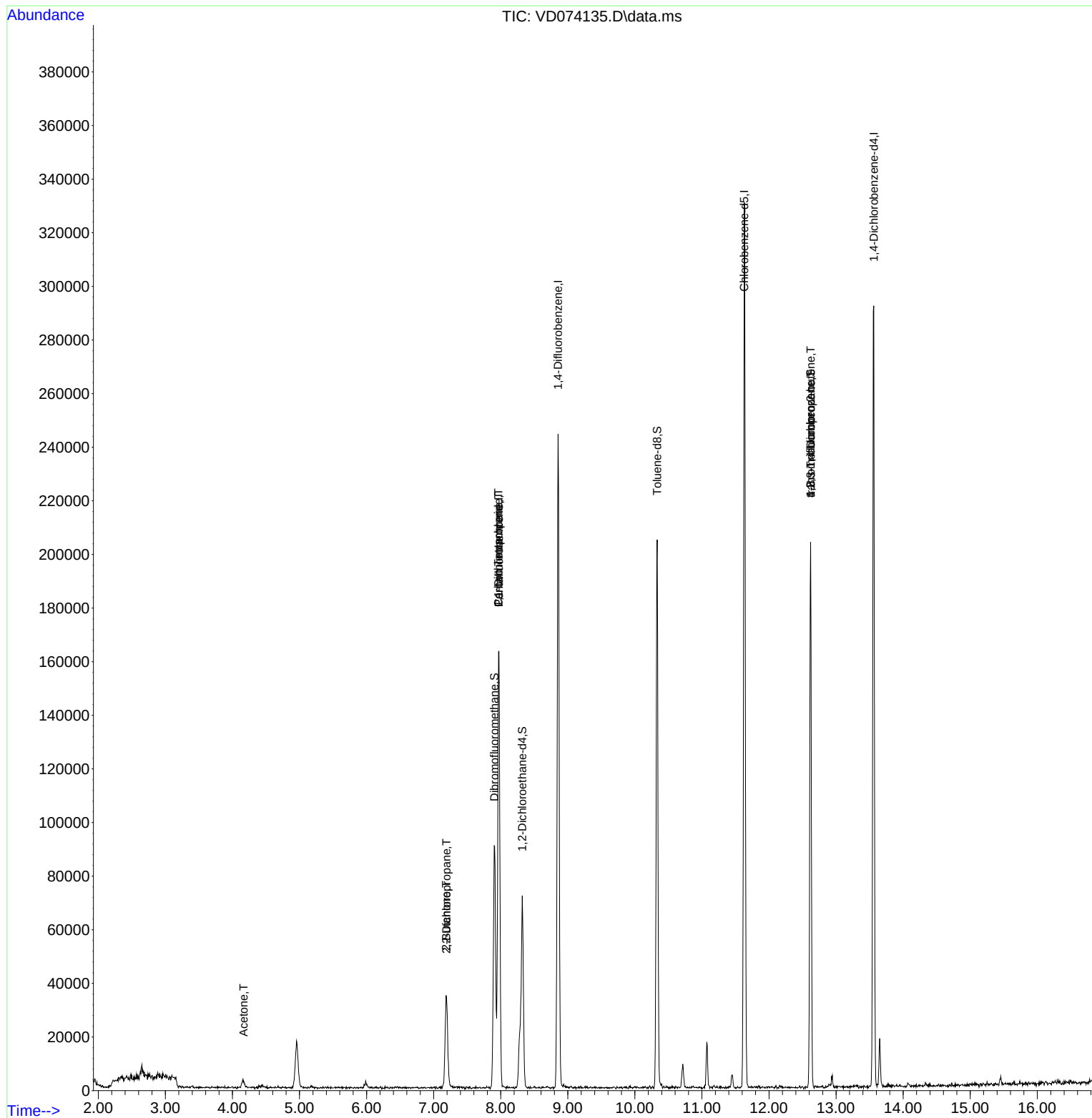
Internal Standards						
1) Pentafluorobenzene	7.973	168	116006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	204017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	189282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	75618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	52465	62.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.320%	
35) Dibromofluoromethane	7.903	113	63397	48.628	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.260%	
50) Toluene-d8	10.332	98	139795	35.317	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 70.640%	
62) 4-Bromofluorobenzene	12.620	95	62190	38.047	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.100%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	365	Below Cal	#	40
11) Tert butyl alcohol	5.215	59	104	Below Cal	#	74
12) 1,1-Dichloroethene	3.938	96	56	Below Cal	#	1
16) Acetone	4.168	43	5517	15.288	ug/l #	77
17) Carbon Disulfide	4.397	76	191	Below Cal	#	74
18) Methyl Acetate	4.738	43	61	Below Cal	#	55
20) Methylene Chloride	4.962	84	13117	Below Cal	#	79
25) 2-Butanone	7.185	43	2028	6.840	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2201	1.052	ug/l #	54
31) Cyclohexane	7.973	56	3034	Below Cal	#	29
36) 1,1-Dichloropropene	7.967	75	10566	5.943	ug/l #	50
38) Carbon Tetrachloride	7.967	117	13244	6.454	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	33661	49.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	33661	139.321	ug/l #	7

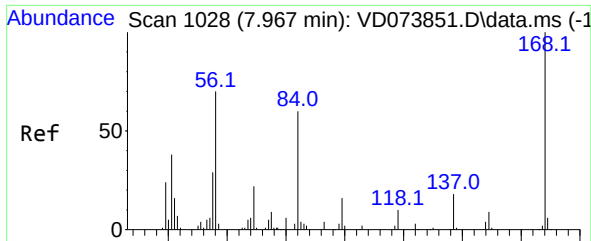
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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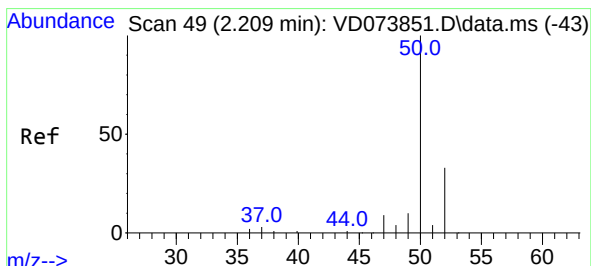
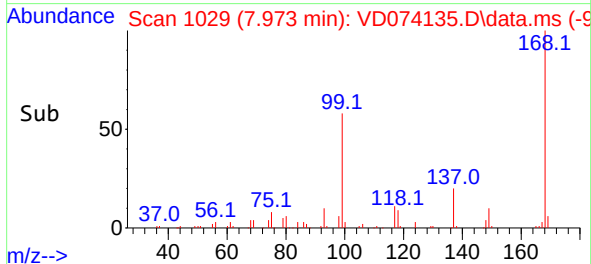
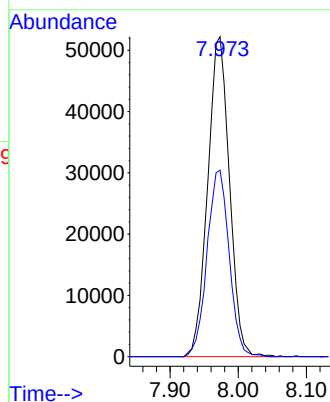
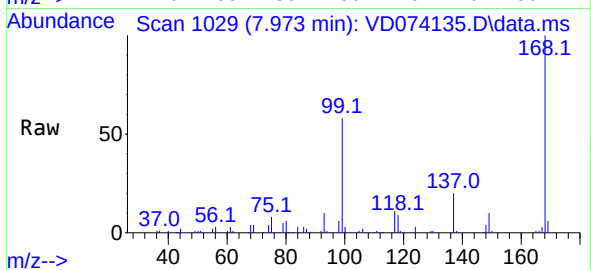




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

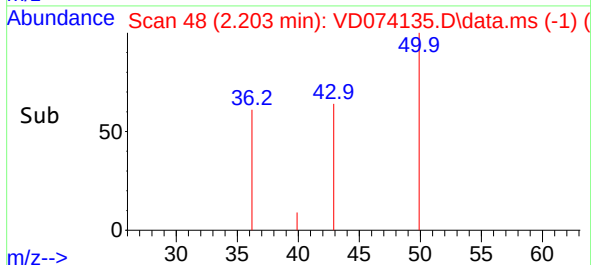
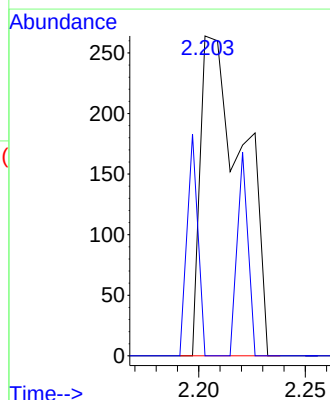
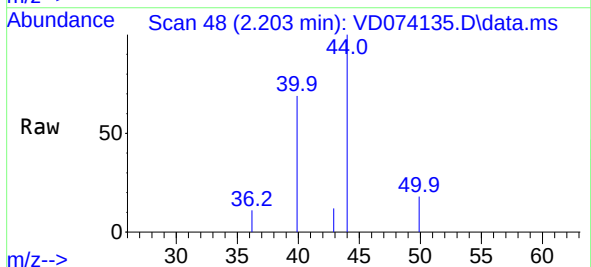
Instrument :
MSVOA_D
ClientSampleId :
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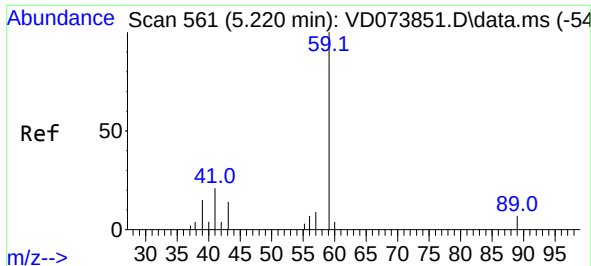
Tgt Ion:168 Resp: 116006
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 50 Resp: 365
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

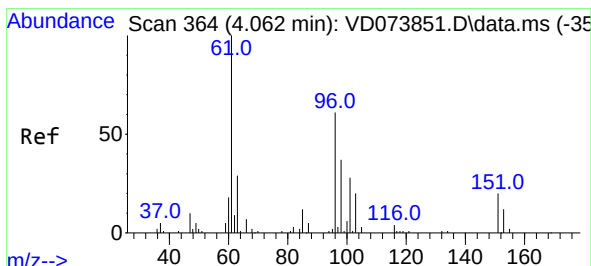
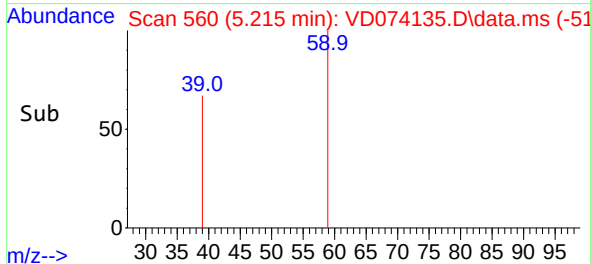
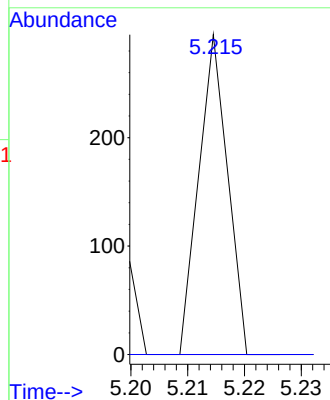
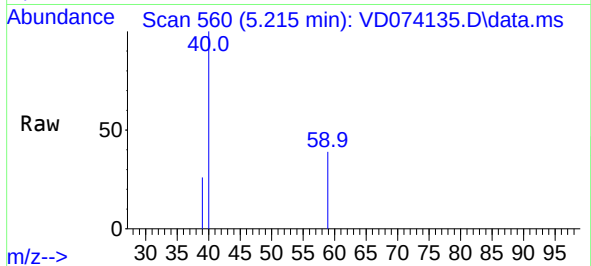




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 50
Delta R.T. -0.005 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

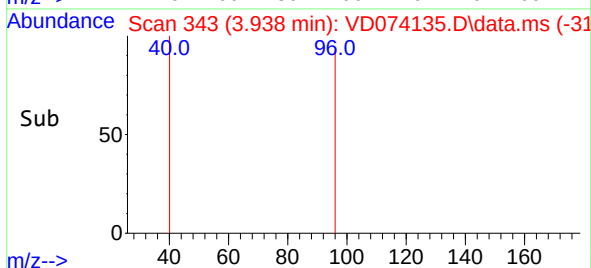
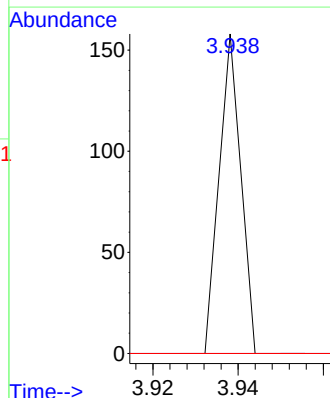
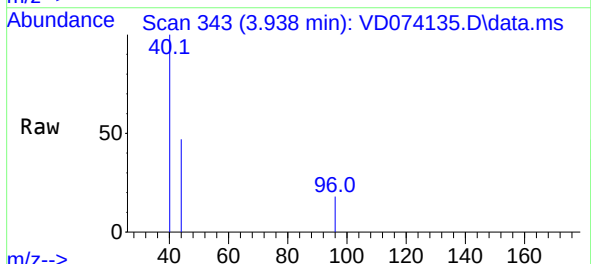
Instrument :
MSVOA_D
ClientSampleId :
B-1

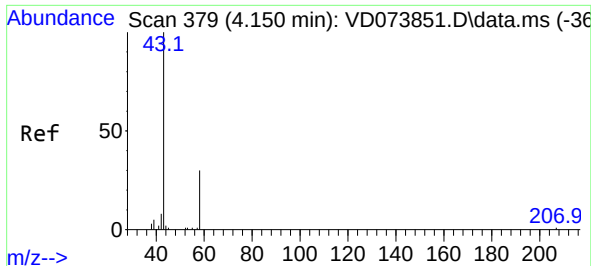
Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 3.938 min Scan# 343
Delta R.T. -0.124 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 96 Resp: 56
Ion Ratio Lower Upper
96 100
61 0.0 138.5 207.7#
98 0.0 48.6 73.0#

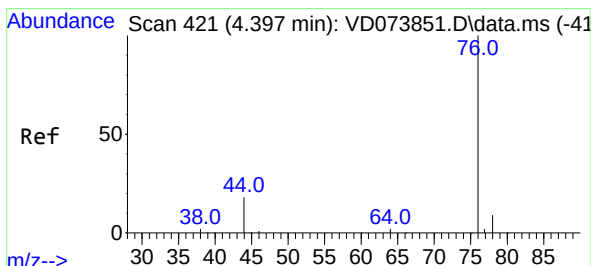
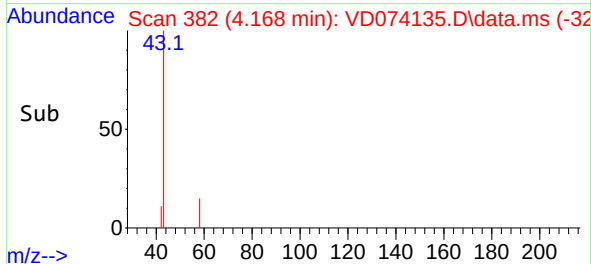
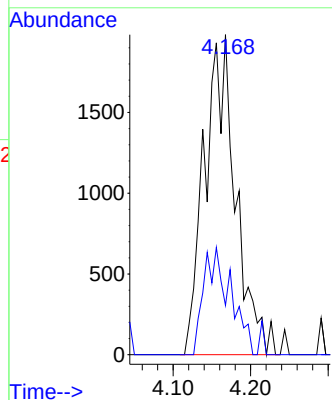
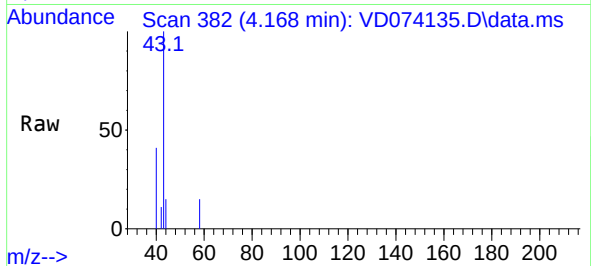




#16
Acetone
Concen: 15.288 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.018 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

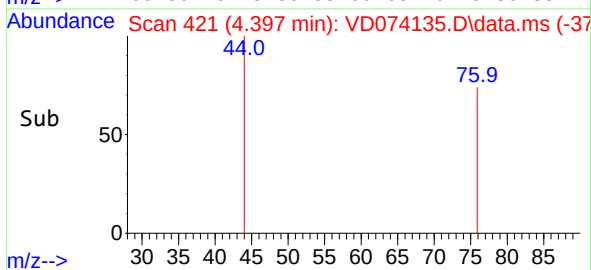
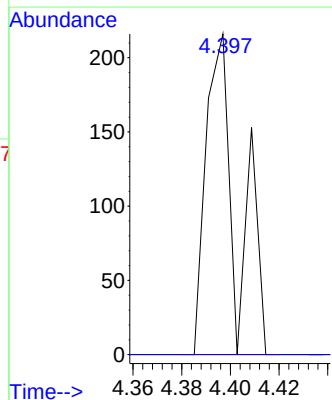
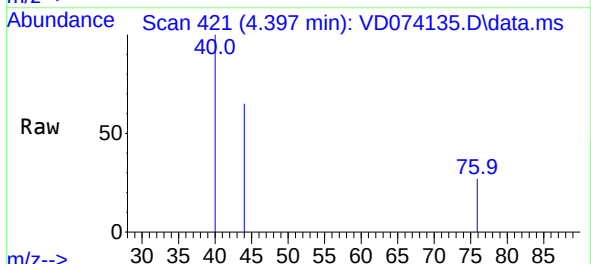
Instrument :
MSVOA_D
ClientSampleId :
B-1

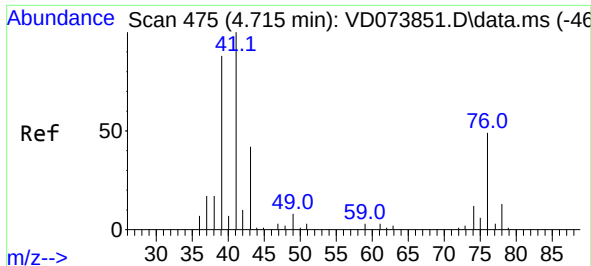
Tgt Ion: 43 Resp: 5517
Ion Ratio Lower Upper
43 100
58 15.4 22.1 33.1#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 76 Resp: 191
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

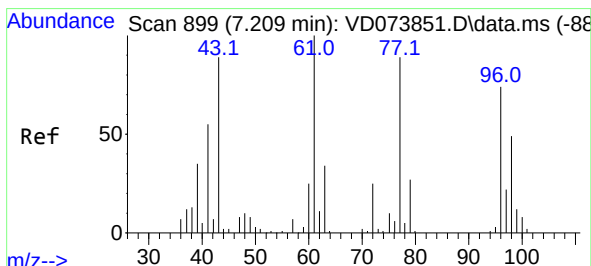
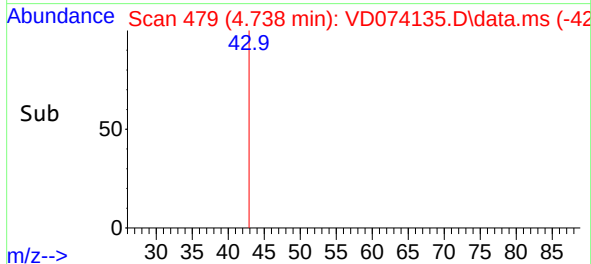
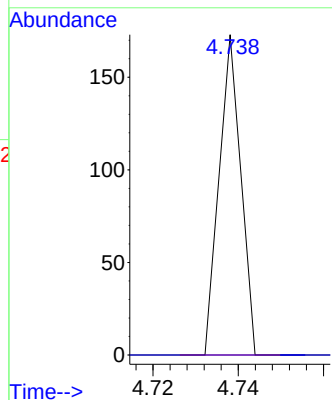
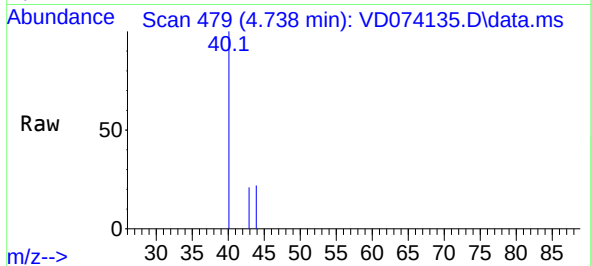




#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 41
Delta R.T. 0.023 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

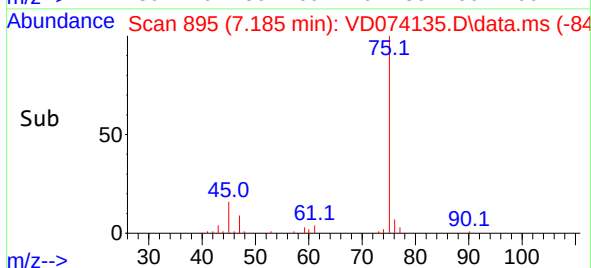
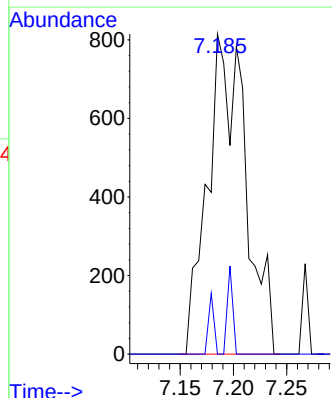
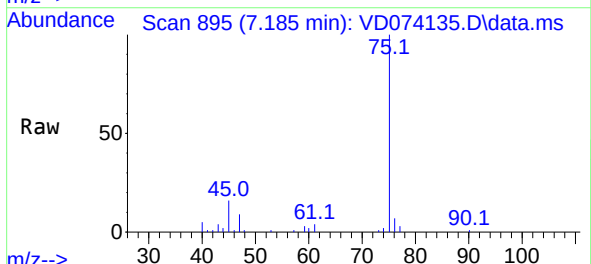
Instrument :
MSVOA_D
ClientSampleId :
B-1

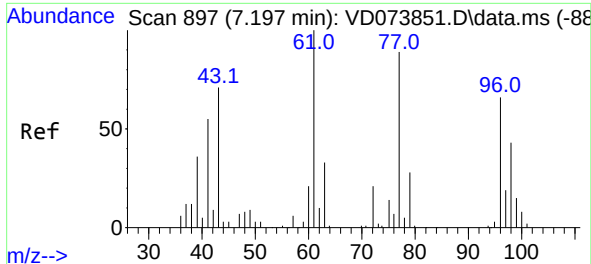
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 6.840 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

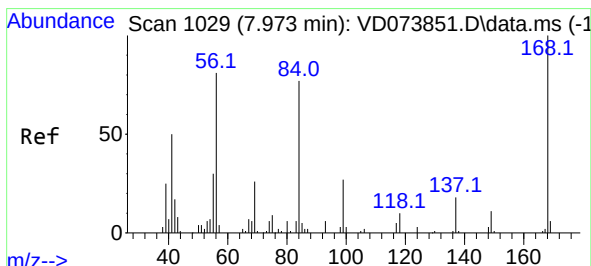
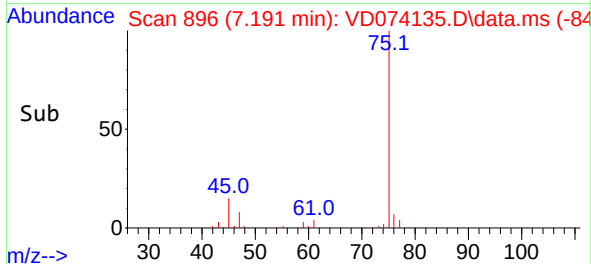
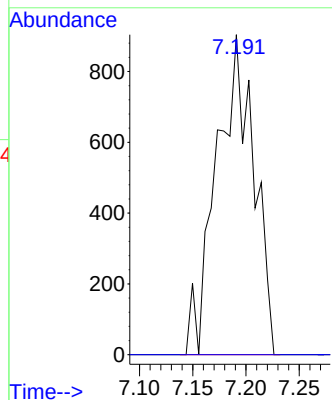
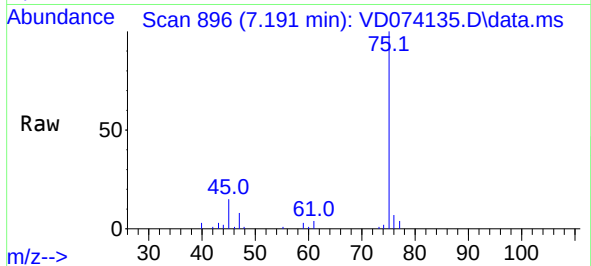




#26
2,2-Dichloropropane
Concen: 1.052 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.006 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

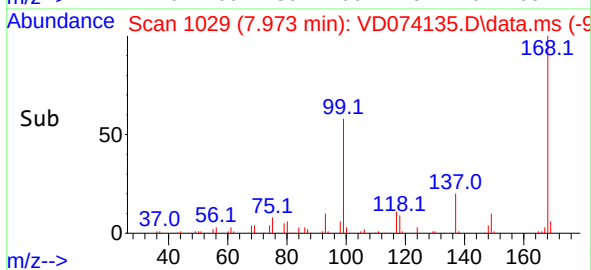
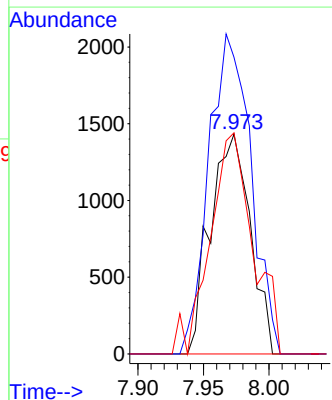
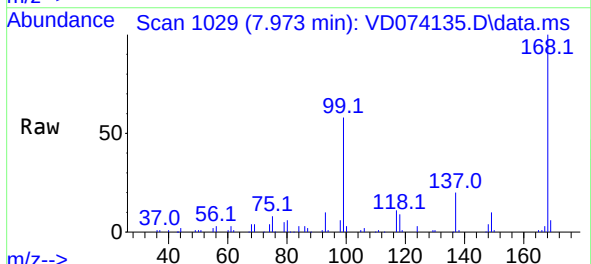
Instrument :
MSVOA_D
ClientSampleId :
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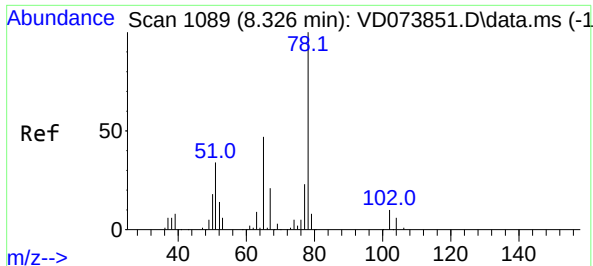
Tgt Ion: 77 Resp: 2201
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 56 Resp: 3034
Ion Ratio Lower Upper
56 100
69 135.2 25.4 38.2#
84 100.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 62.661 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD074135.D

Acq: 17 Aug 2022 20:28

Instrument :

MSVOA_D

ClientSampleId :

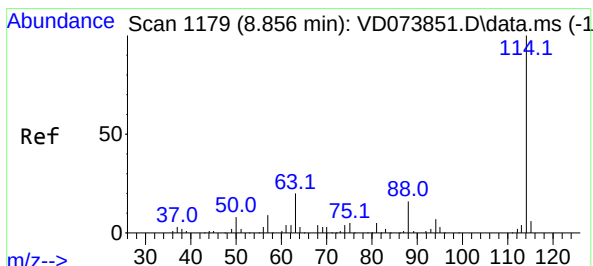
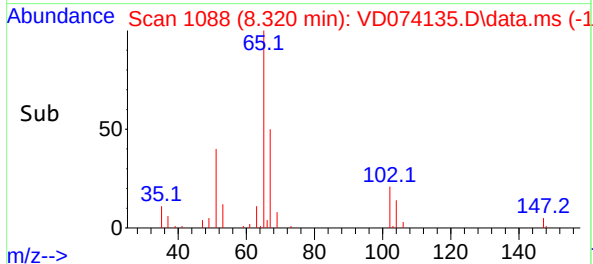
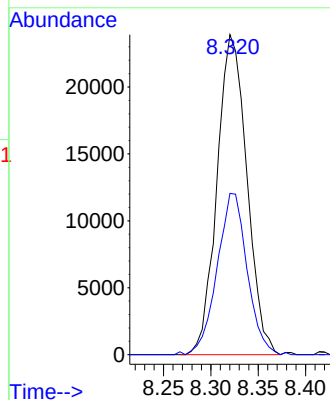
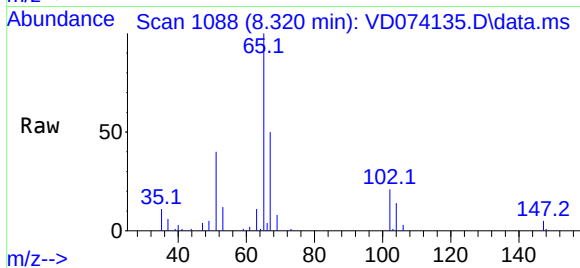
B-1

Tgt Ion: 65 Resp: 52465

Ion Ratio Lower Upper

65 100

67 50.7 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: VD074135.D

Acq: 17 Aug 2022 20:28

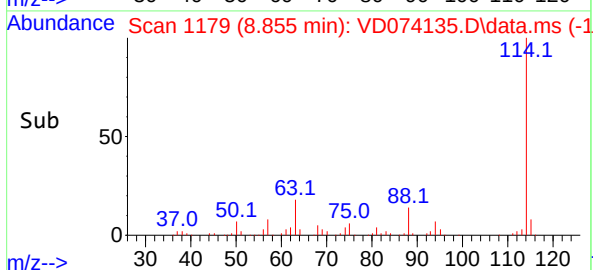
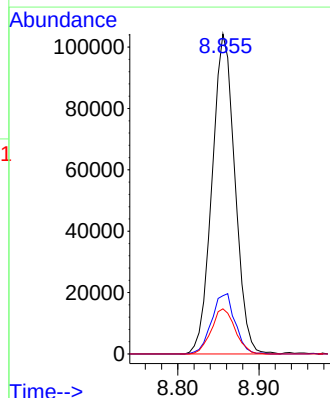
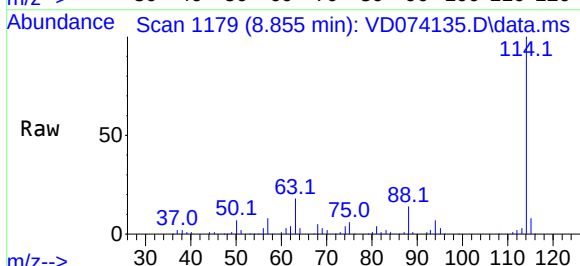
Tgt Ion: 114 Resp: 204017

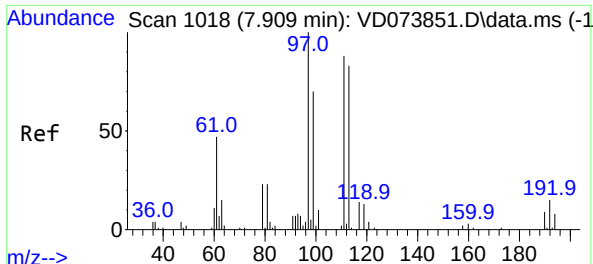
Ion Ratio Lower Upper

114 100

63 18.2 0.0 46.6

88 14.1 0.0 33.2

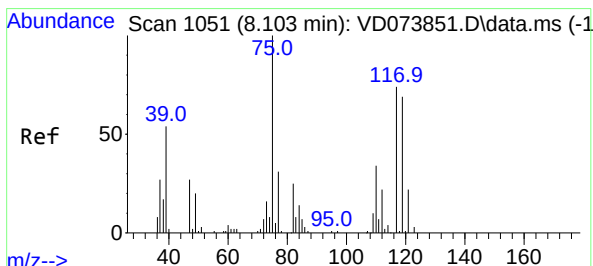
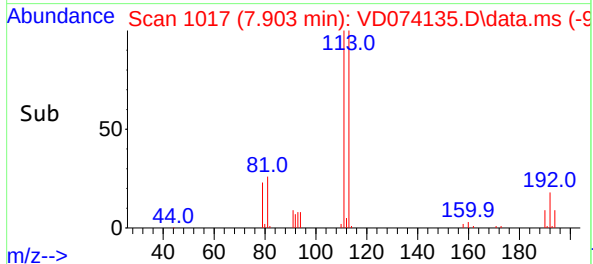
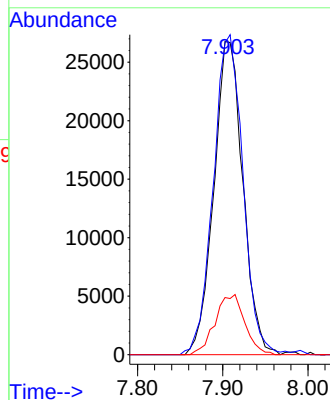
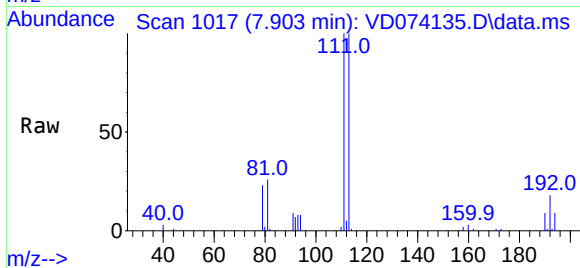




#35
Dibromofluoromethane
Concen: 48.628 ug/l
RT: 7.903 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

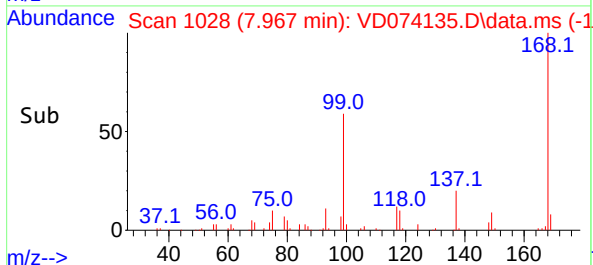
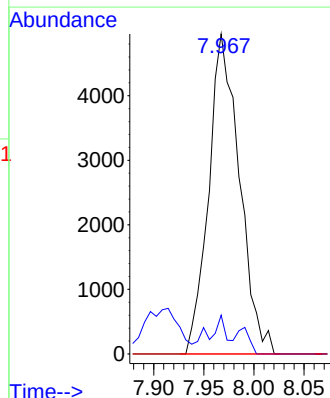
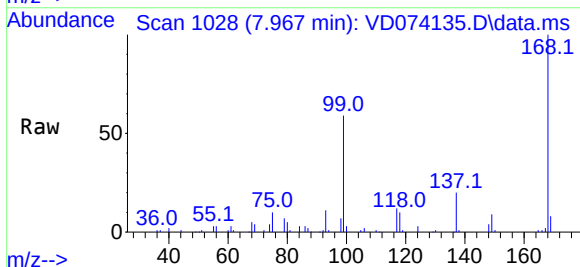
Instrument :
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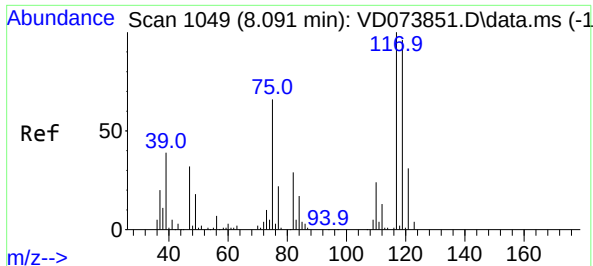
Tgt Ion:	113	Resp:	63397
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.8	125.6
192	19.6	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.943 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

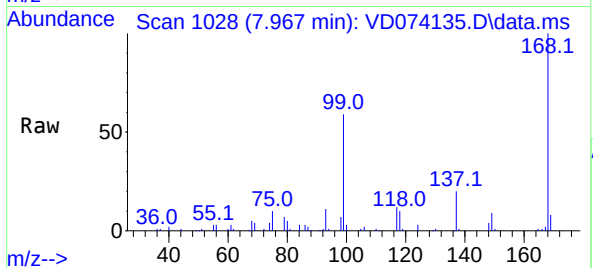
Tgt Ion:	75	Resp:	10566
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.4	49.1#
77	0.0	24.2	36.2#



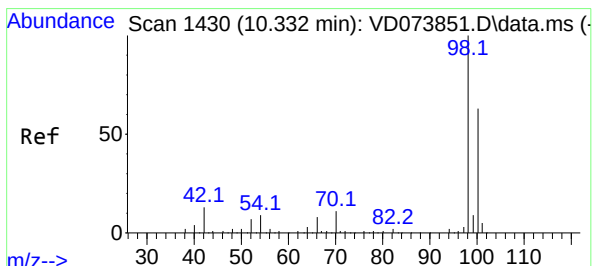
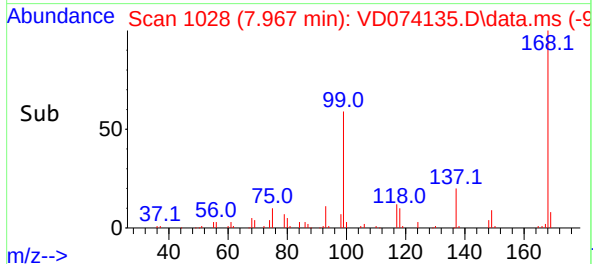
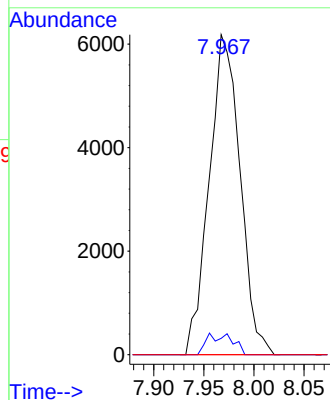


#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Instrument :
MSVOA_D
ClientSampleId :
B-1

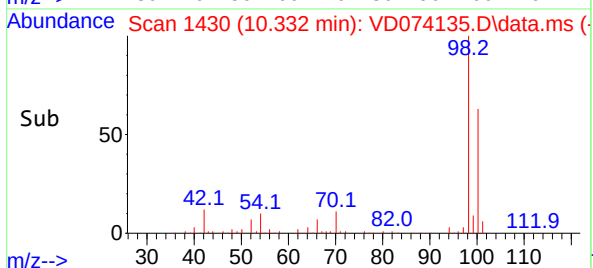
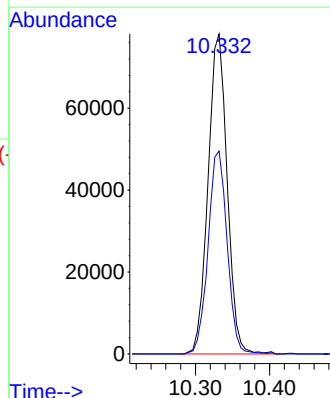
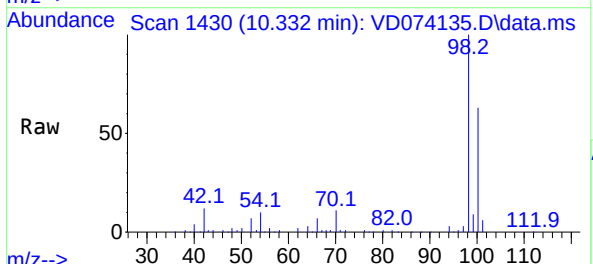


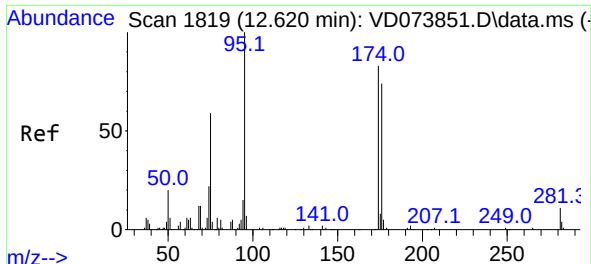
Tgt Ion:117 Resp: 13244
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 35.317 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 98 Resp: 139795
Ion Ratio Lower Upper
98 100
100 63.4 52.4 78.6

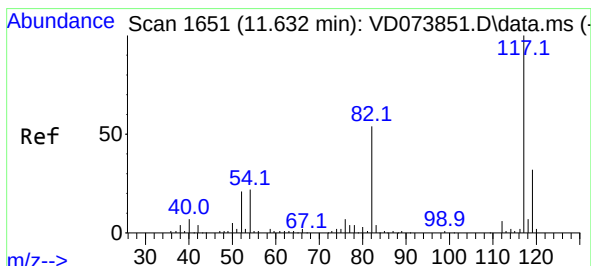
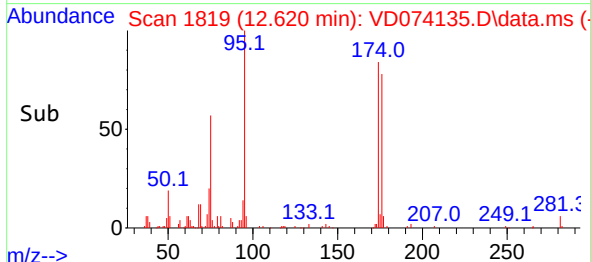
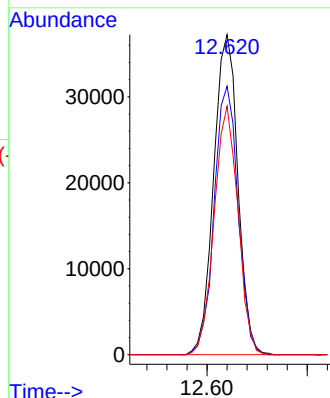
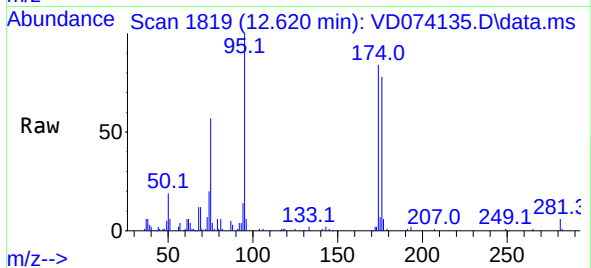




#62
4-Bromofluorobenzene
Concen: 38.047 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

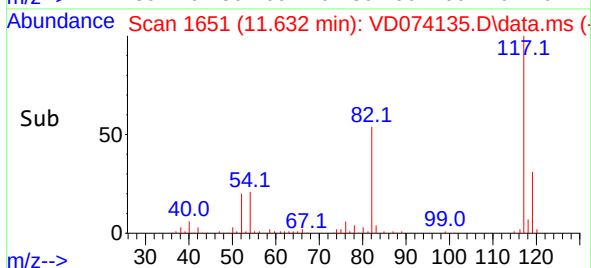
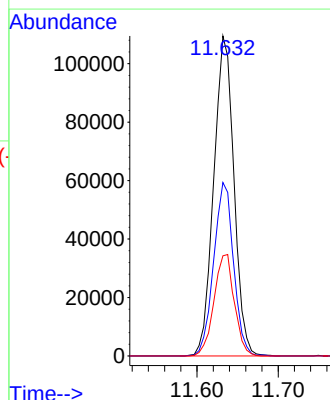
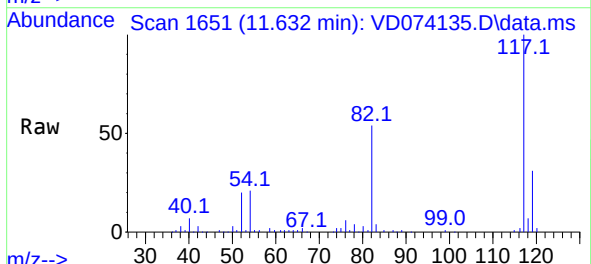
Instrument :
MSVOA_D
ClientSampleId :
B-1

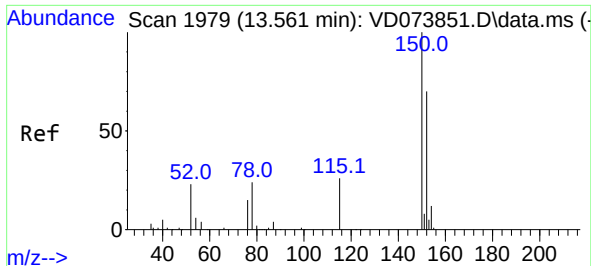
Tgt Ion: 95 Resp: 62190
Ion Ratio Lower Upper
95 100
174 83.4 0.0 152.8
176 76.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

Tgt Ion: 117 Resp: 189282
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.3 26.6 40.0

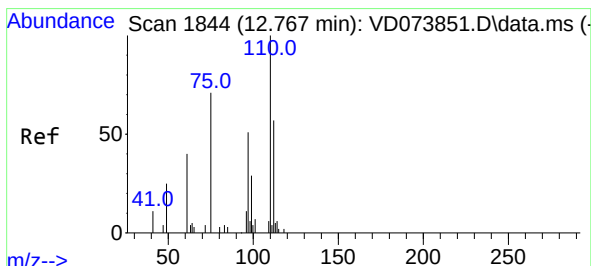
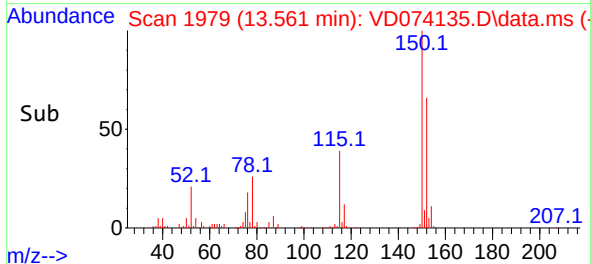
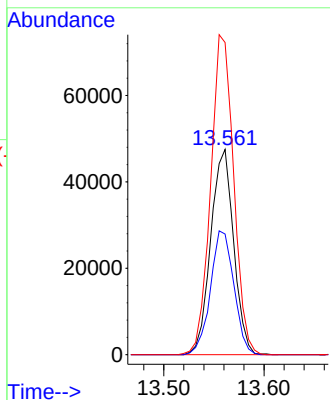
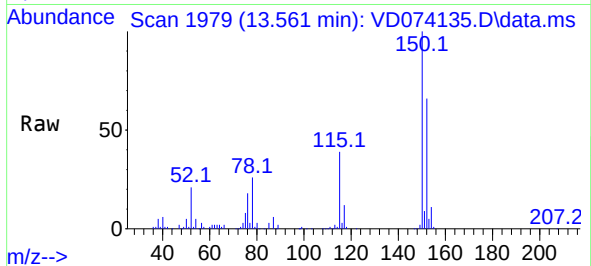




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

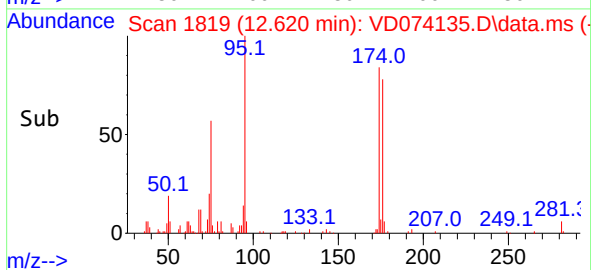
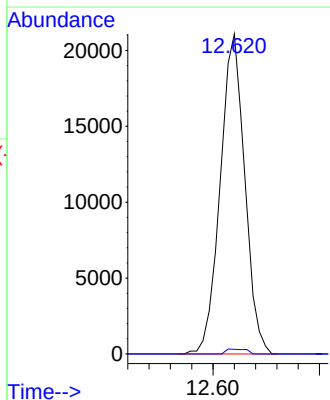
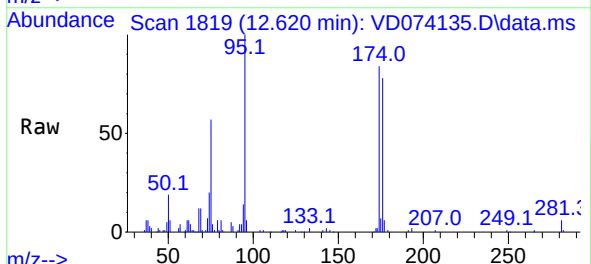
Instrument :
MSVOA_D
ClientSampleId :
B-1

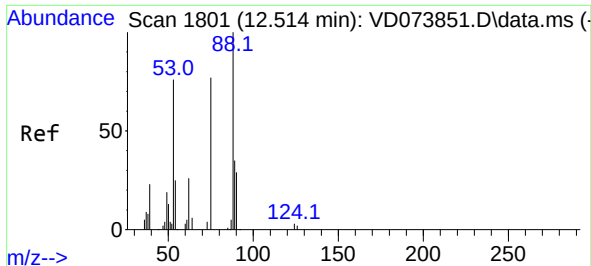
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	31.3	93.8
150	156.3	0.0	348.6



#76
1,2,3-Trichloropropane
Concen: 49.956 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074135.D
Acq: 17 Aug 2022 20:28

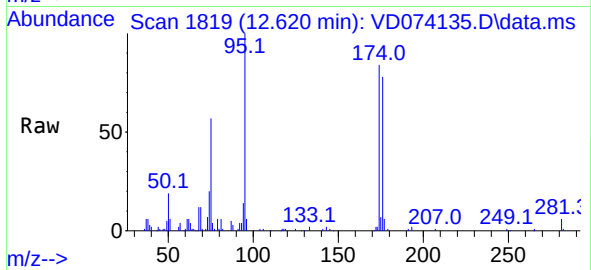
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.321 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074135.D
 Acq: 17 Aug 2022 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1



Tgt Ion: 75 Resp: 33661
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

