

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081722\
 Data File : VD074125.D
 Acq On : 17 Aug 2022 15:40
 Operator : VA/SY
 Sample : N4188-13
 Misc : 10.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S14

Quant Time: Aug 18 03:20:48 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)

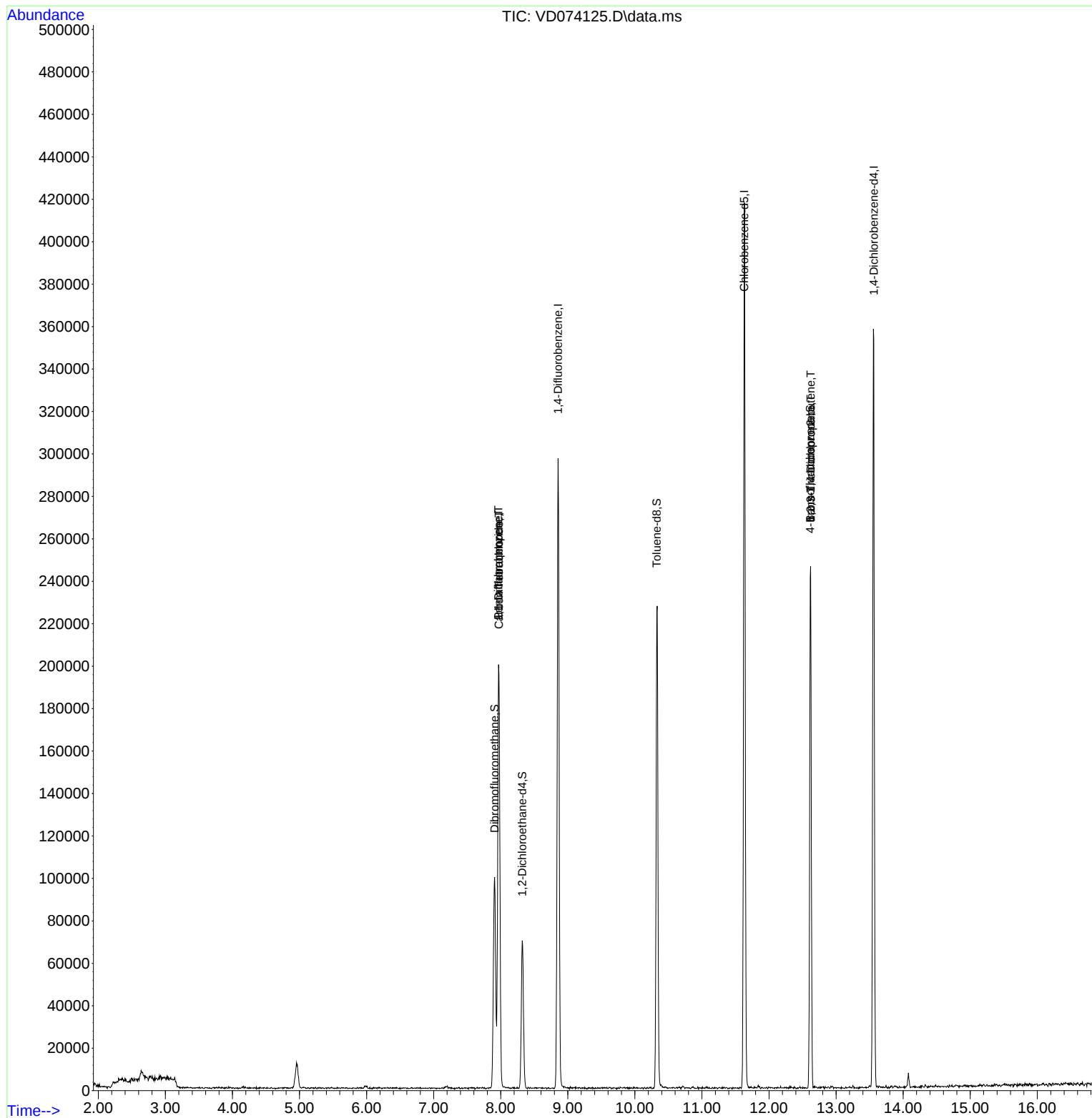
Internal Standards						
1) Pentafluorobenzene	7.967	168	145898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	251864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	232243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55865	51.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.360%	
35) Dibromofluoromethane	7.909	113	71591	44.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.960%	
50) Toluene-d8	10.326	98	160053	32.754	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 65.500%	
62) 4-Bromofluorobenzene	12.614	95	73832	36.589	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.180%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	246	Below Cal	#	40
9) 1,1,2-Trichlorotrifluo...	4.079	101	55	Below Cal	#	20
11) Tert butyl alcohol	5.238	59	145	Below Cal	#	74
13) Acrolein	3.850	56	57	Below Cal	#	14
16) Acetone	4.162	43	1088	Below Cal	#	47
17) Carbon Disulfide	4.397	76	144	Below Cal	#	74
18) Methyl Acetate	4.720	43	73	Below Cal	#	55
20) Methylene Chloride	4.956	84	9130	Below Cal	#	66
31) Cyclohexane	7.967	56	3596	Below Cal	#	2
36) 1,1-Dichloropropene	7.967	75	11952	5.445	ug/l #	55
38) Carbon Tetrachloride	7.973	117	15458	6.102	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	40268	48.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	40268	135.579	ug/l #	7

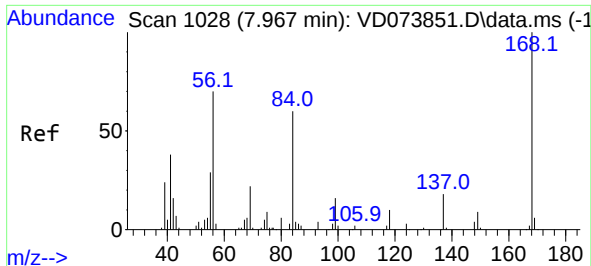
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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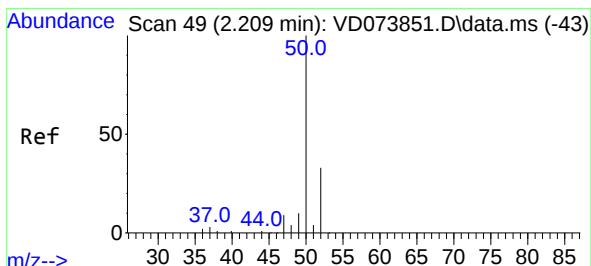
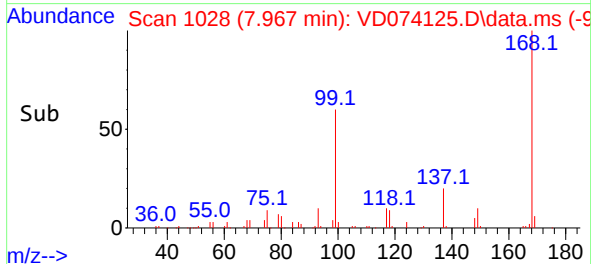
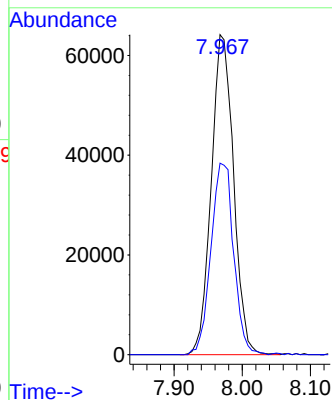
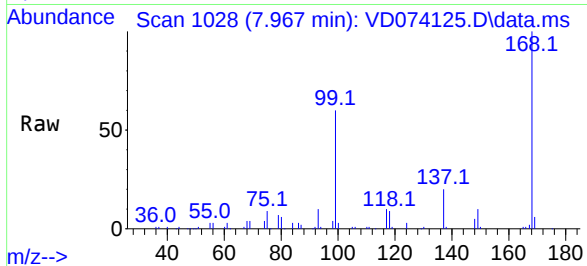




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

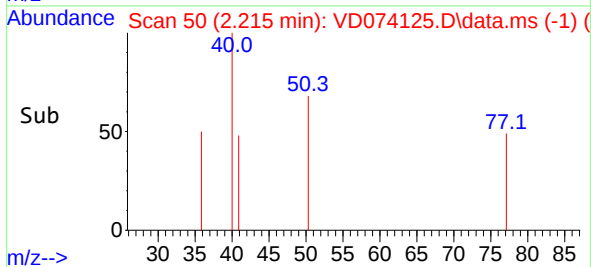
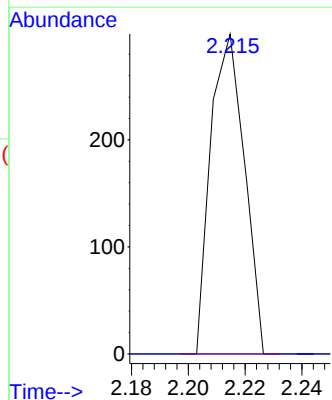
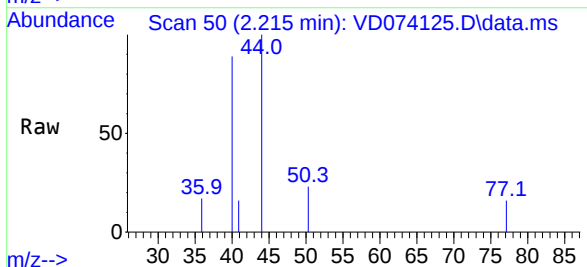
Instrument :
MSVOA_D
ClientSampleId :
S14

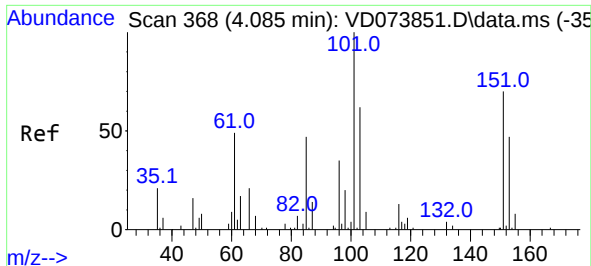
Tgt Ion:168 Resp: 145898
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

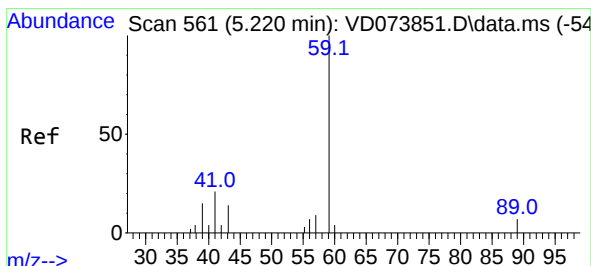
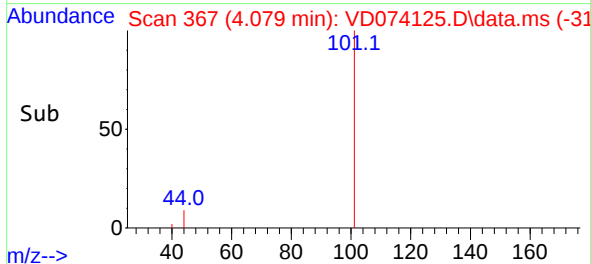
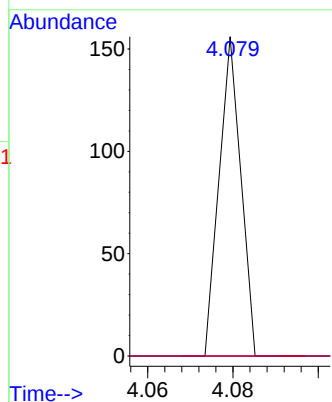
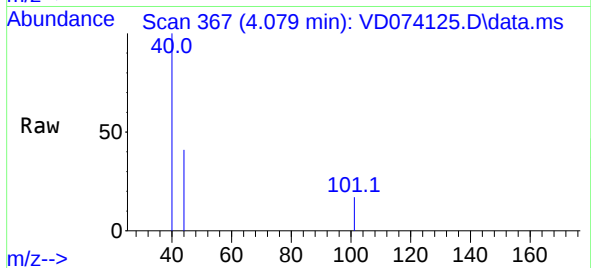




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.079 min Scan# 30
Delta R.T. -0.006 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

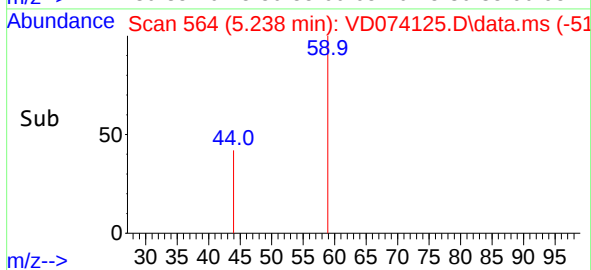
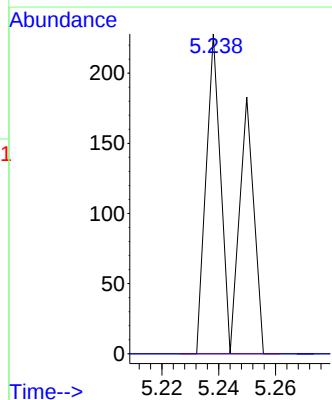
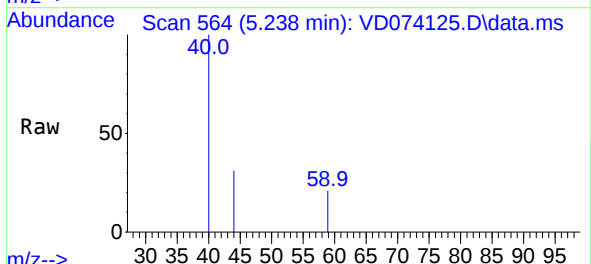
Instrument :
MSVOA_D
ClientSampleId :
S14

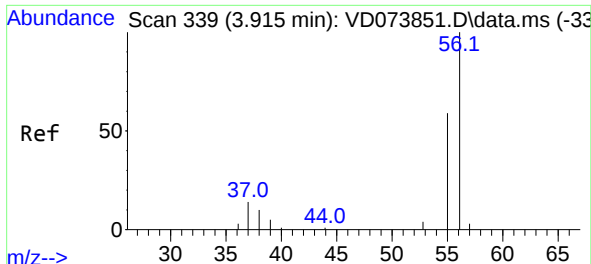
Tgt Ion:101 Resp: 55
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 57.3 85.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

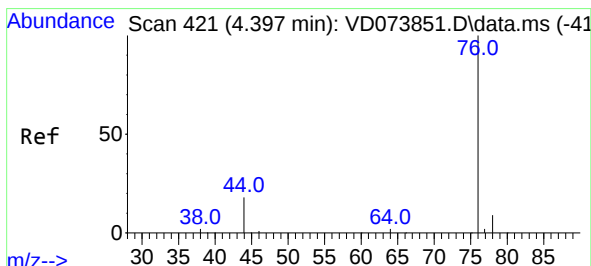
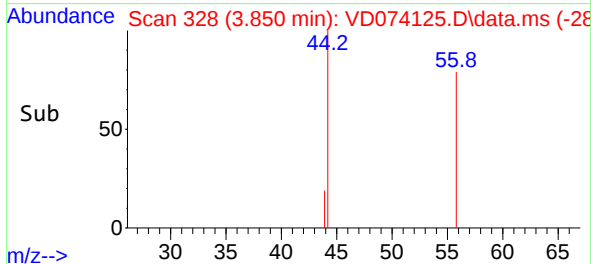
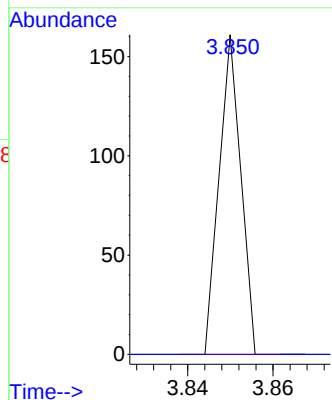
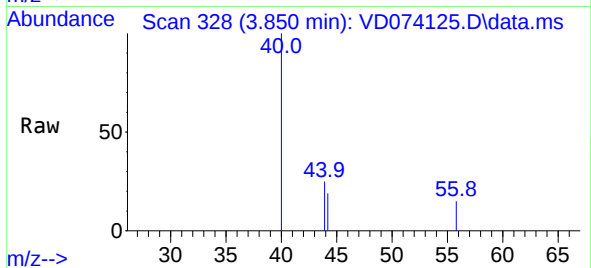




#13
Acrolein
Concen: Below Cal
RT: 3.850 min Scan# 31
Delta R.T. -0.065 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

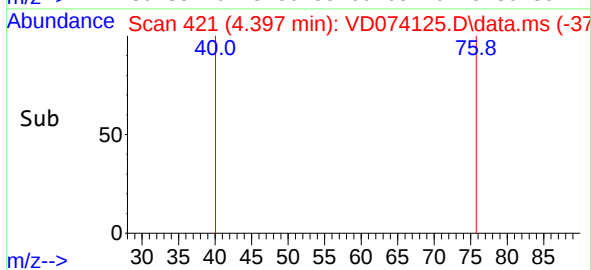
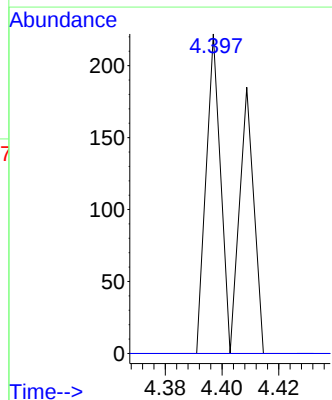
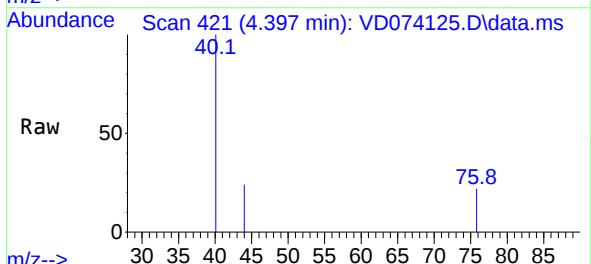
Instrument :
MSVOA_D
ClientSampleId :
S14

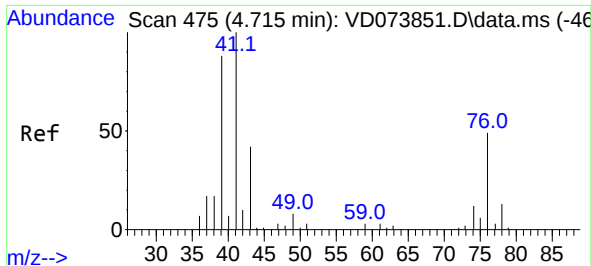
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 76 Resp: 144
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

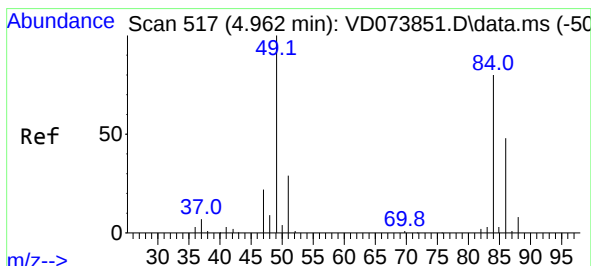
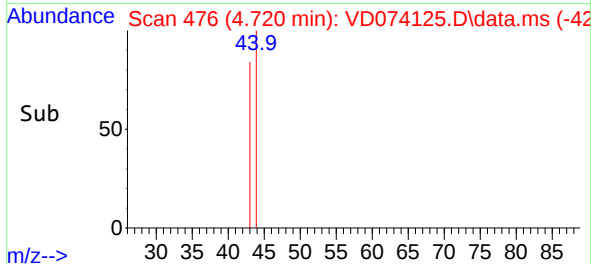
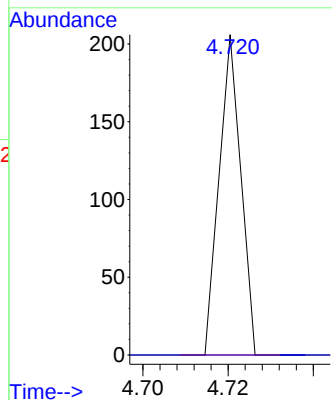
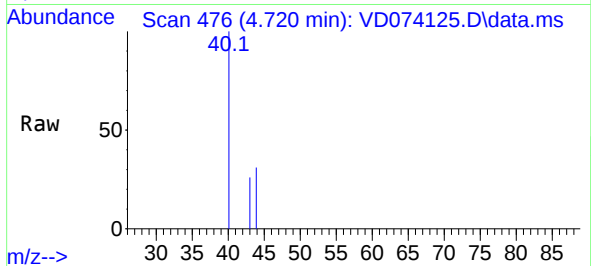




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

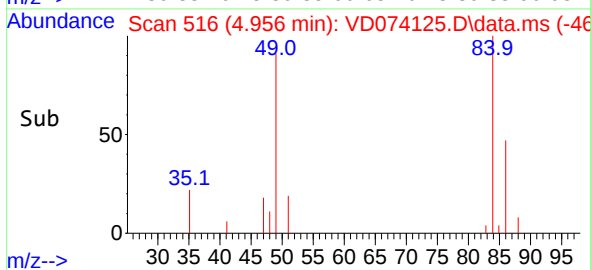
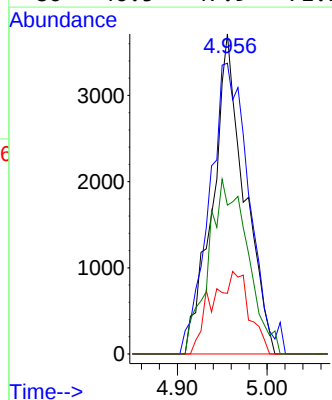
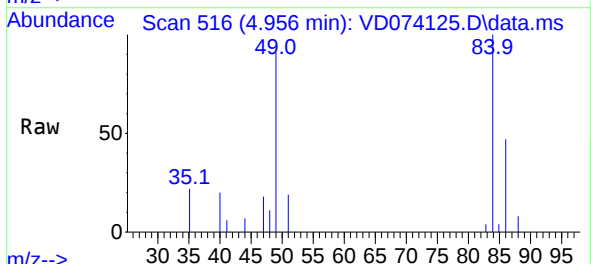
Instrument :
MSVOA_D
ClientSampleId :
S14

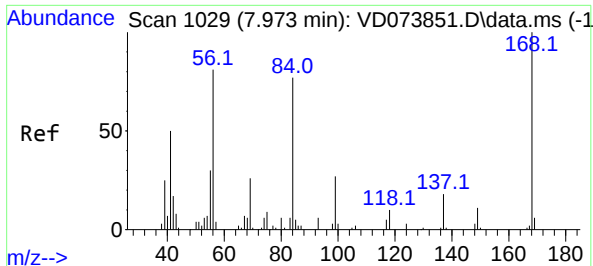
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 84 Resp: 9130
Ion Ratio Lower Upper
84 100
49 90.9 112.8 169.2#
51 19.0 32.6 48.8#
86 46.5 47.9 71.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD074125.D

Acq: 17 Aug 2022 15:40

Instrument :

MSVOA_D

ClientSampleId :

S14

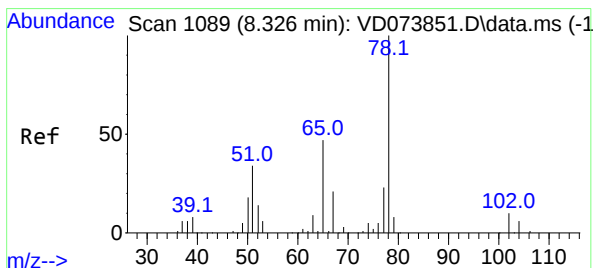
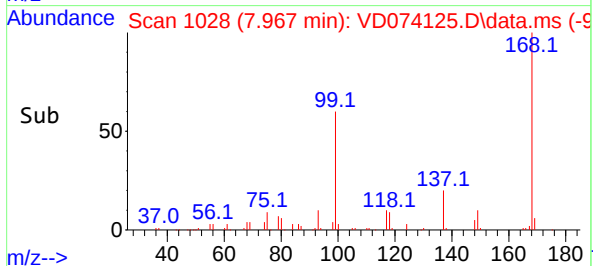
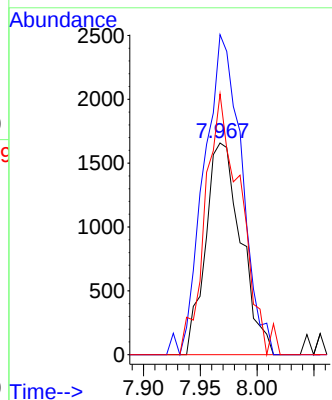
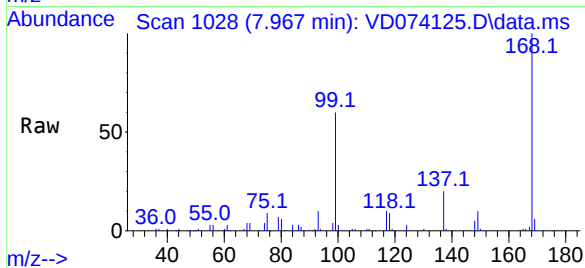
Tgt Ion: 56 Resp: 3596

Ion Ratio Lower Upper

56 100

69 151.1 25.4 38.2#

84 123.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.683 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD074125.D

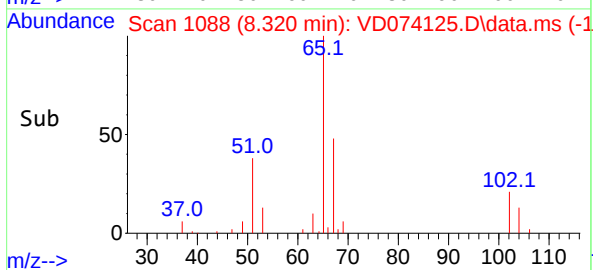
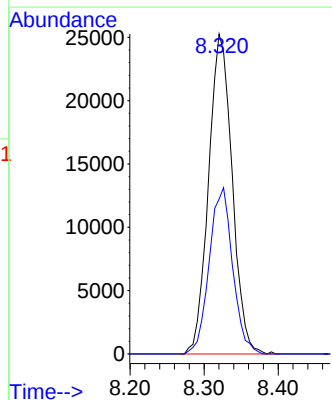
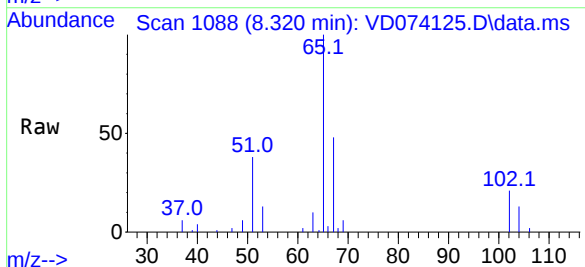
Acq: 17 Aug 2022 15:40

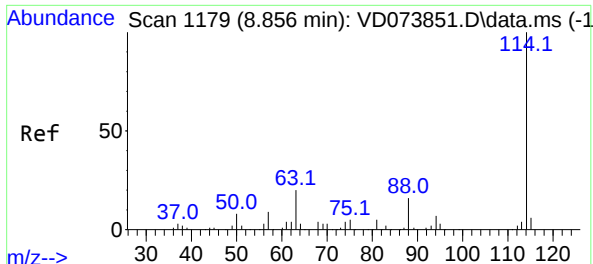
Tgt Ion: 65 Resp: 55865

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4



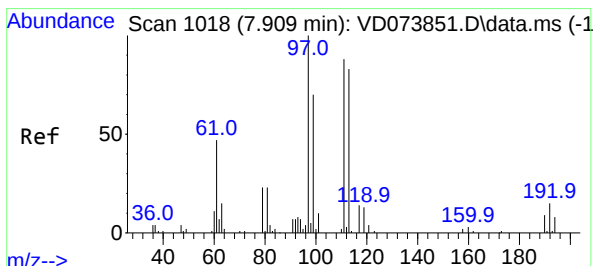
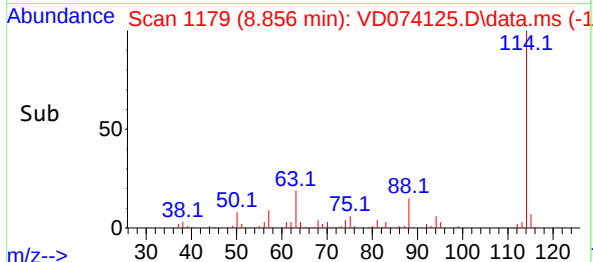
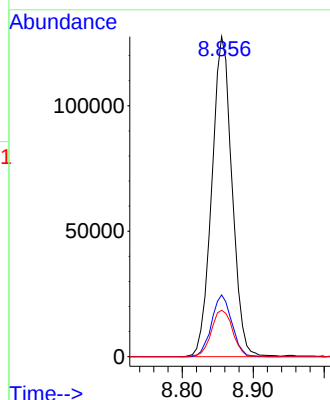
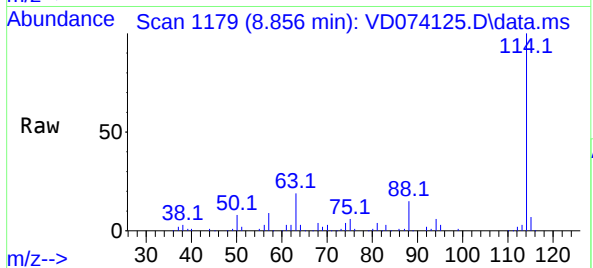


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Instrument :
MSVOA_D
ClientSampleId :
S14

Tgt Ion:114 Resp: 251864

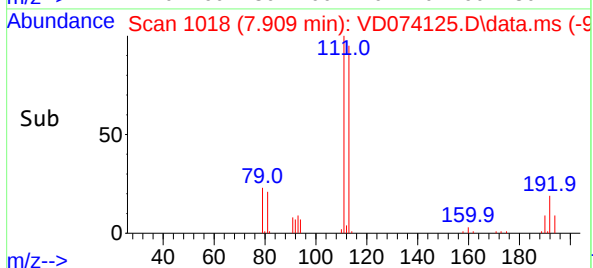
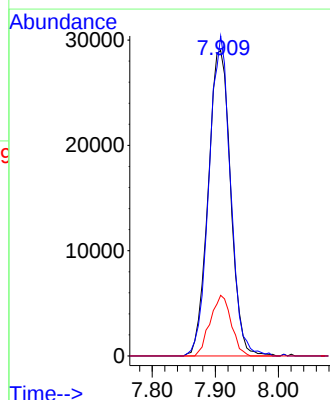
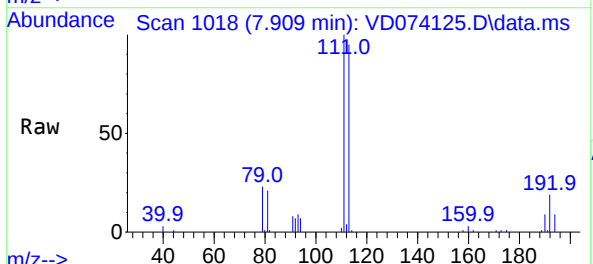
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	46.6
88	14.5	0.0	33.2

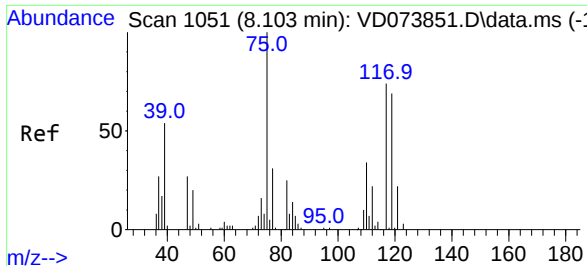


#35
Dibromofluoromethane
Concen: 44.481 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion:113 Resp: 71591

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.8	125.6
192	18.5	14.6	21.8

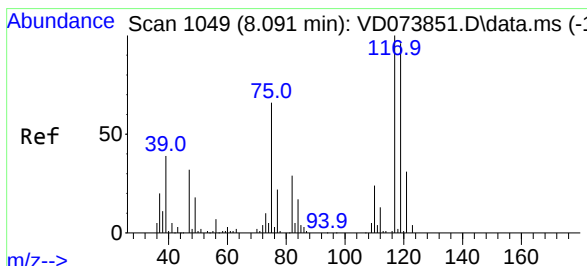
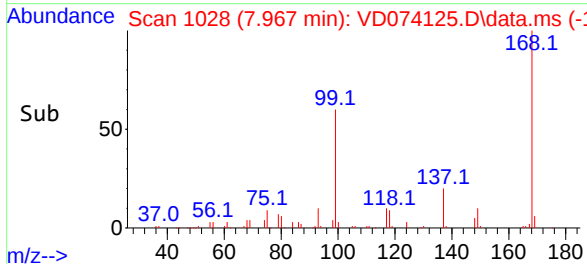
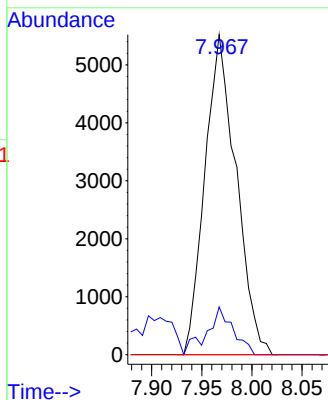
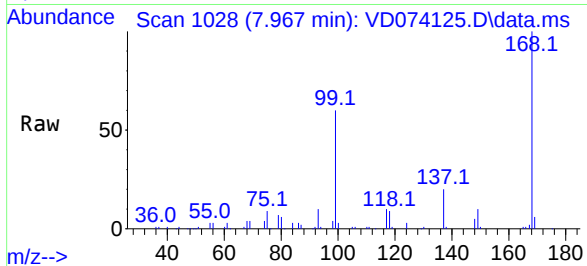




#36
1,1-Dichloropropene
Concen: 5.445 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

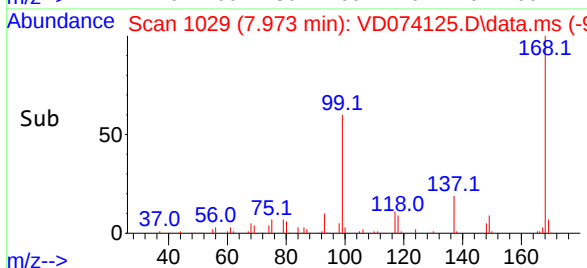
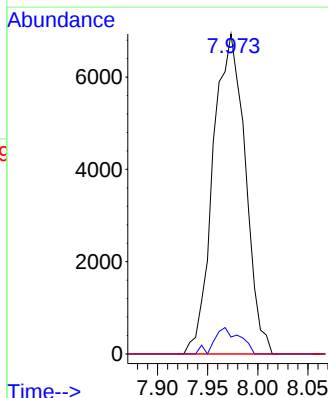
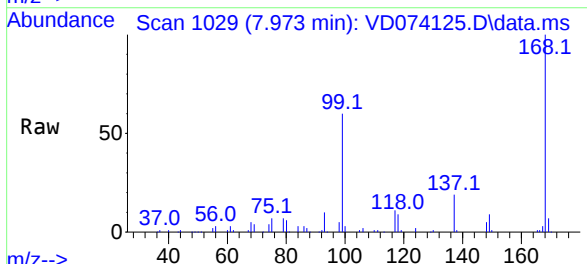
Instrument :
MSVOA_D
ClientSampleId :
S14

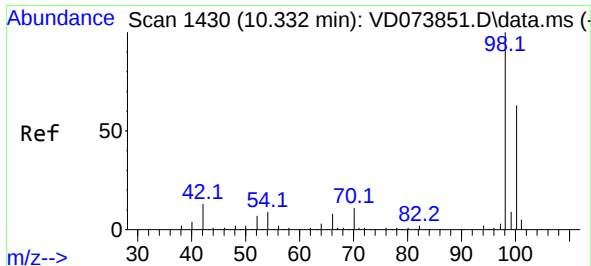
Tgt Ion: 75 Resp: 11952
Ion Ratio Lower Upper
75 100
110 12.5 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 117 Resp: 15458
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#

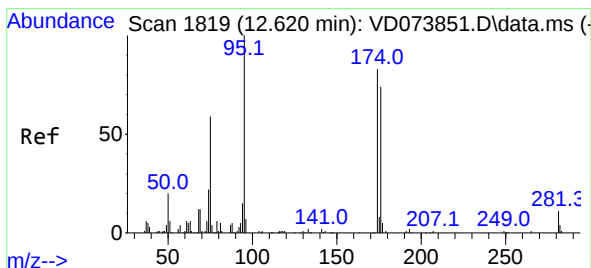
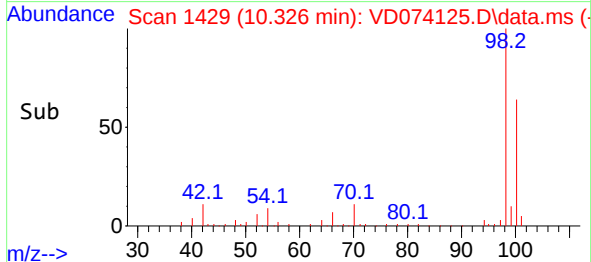
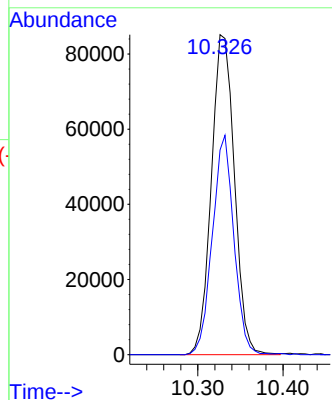
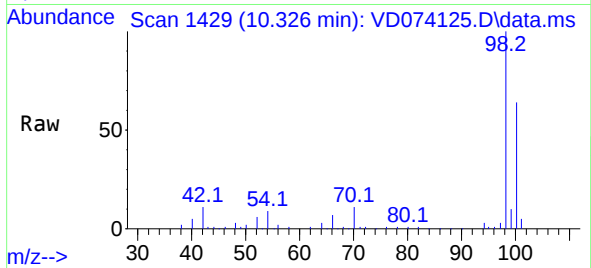




#50
Toluene-d8
Concen: 32.754 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

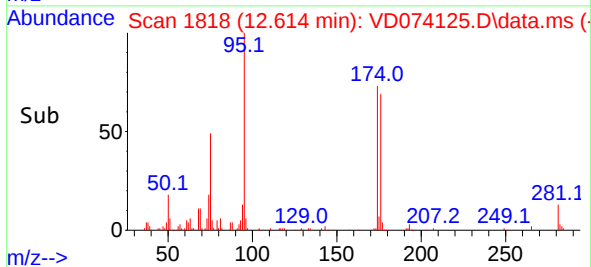
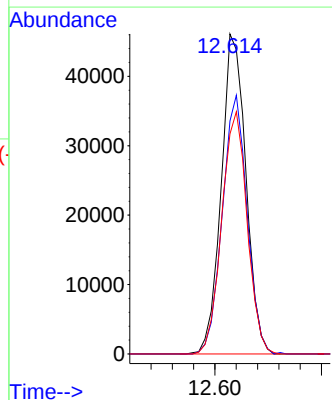
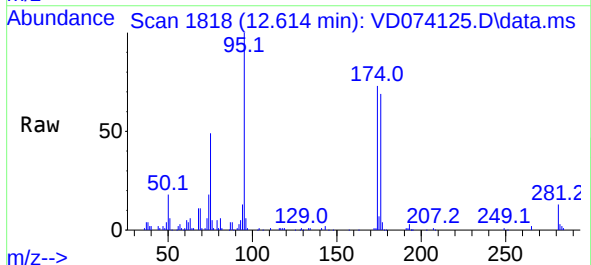
Instrument :
MSVOA_D
ClientSampleId :
S14

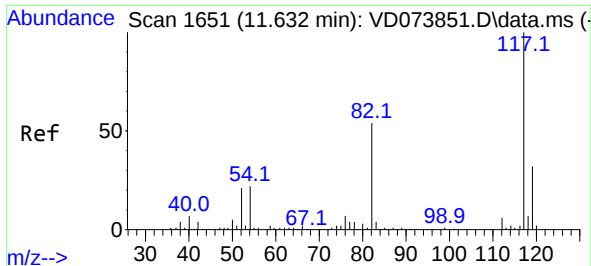
Tgt Ion: 98 Resp: 160053
Ion Ratio Lower Upper
98 100
100 64.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 36.589 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 95 Resp: 73832
Ion Ratio Lower Upper
95 100
174 81.3 0.0 152.8
176 78.0 0.0 145.4

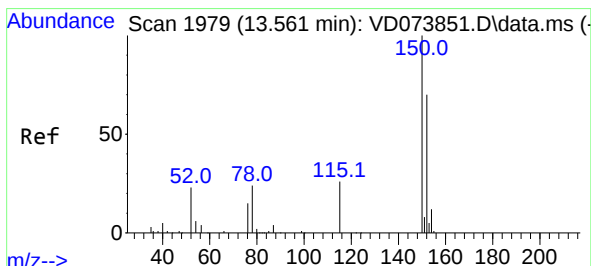
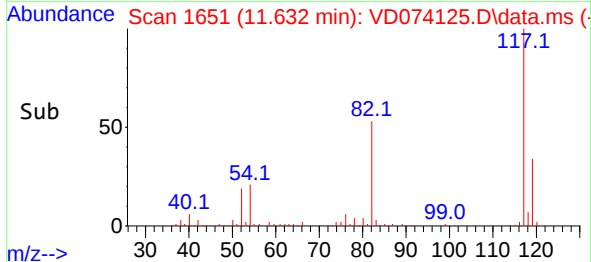
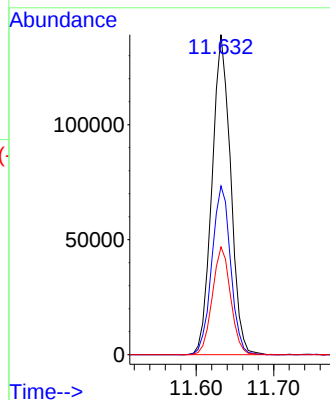
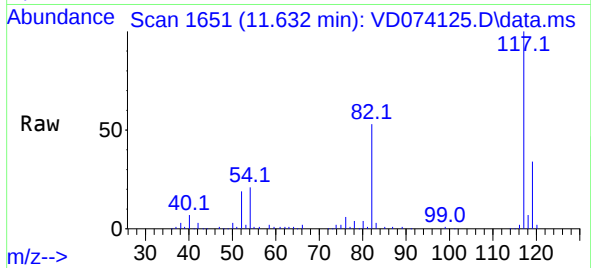




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

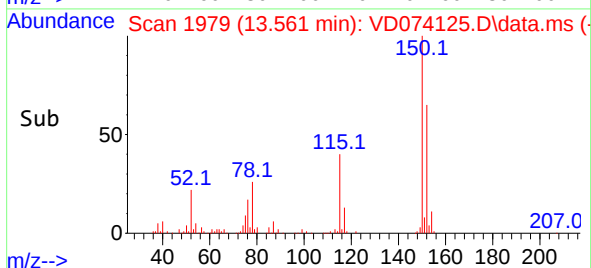
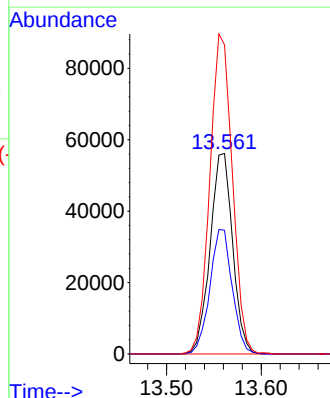
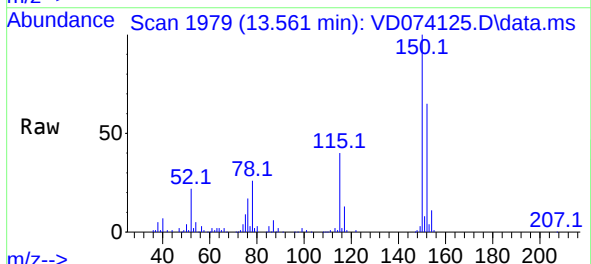
Instrument :
MSVOA_D
ClientSampleId :
S14

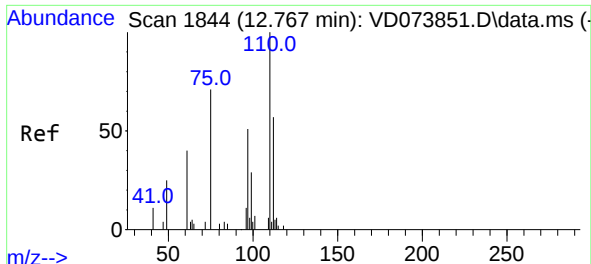
Tgt Ion:117 Resp: 232243
Ion Ratio Lower Upper
117 100
82 52.7 45.3 67.9
119 33.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion:152 Resp: 92957
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 159.6 0.0 348.6

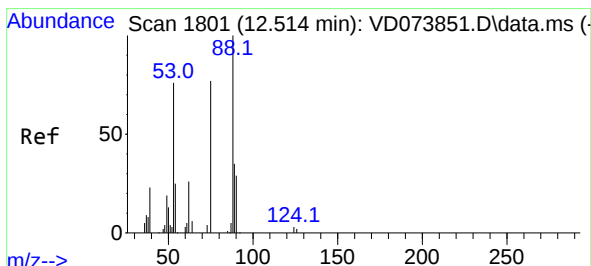
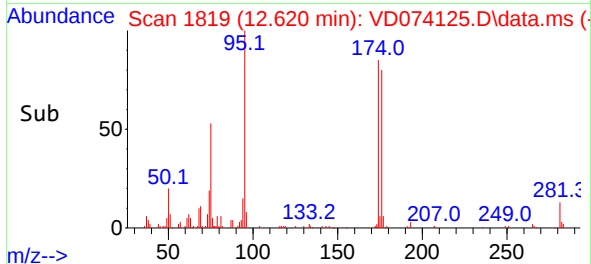
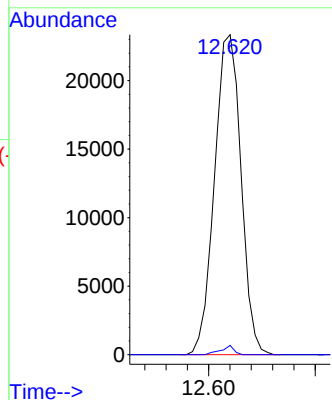
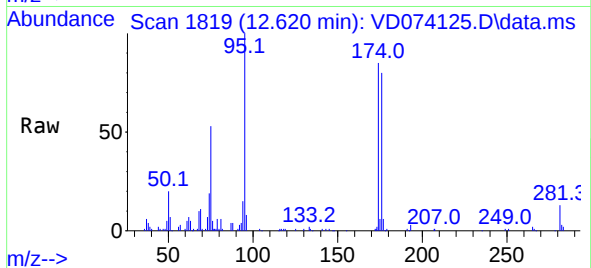




#76
1,2,3-Trichloropropane
Concen: 48.614 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Instrument :
MSVOA_D
ClientSampleId :
S14

Tgt Ion: 75 Resp: 40268
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.579 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074125.D
Acq: 17 Aug 2022 15:40

Tgt Ion: 75 Resp: 40268
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

