

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073130.D
 Acq On : 19 May 2022 07:34
 Operator : VA/SY
 Sample : N2842-05
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS001-1218-01

Quant Time: May 19 08:40:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

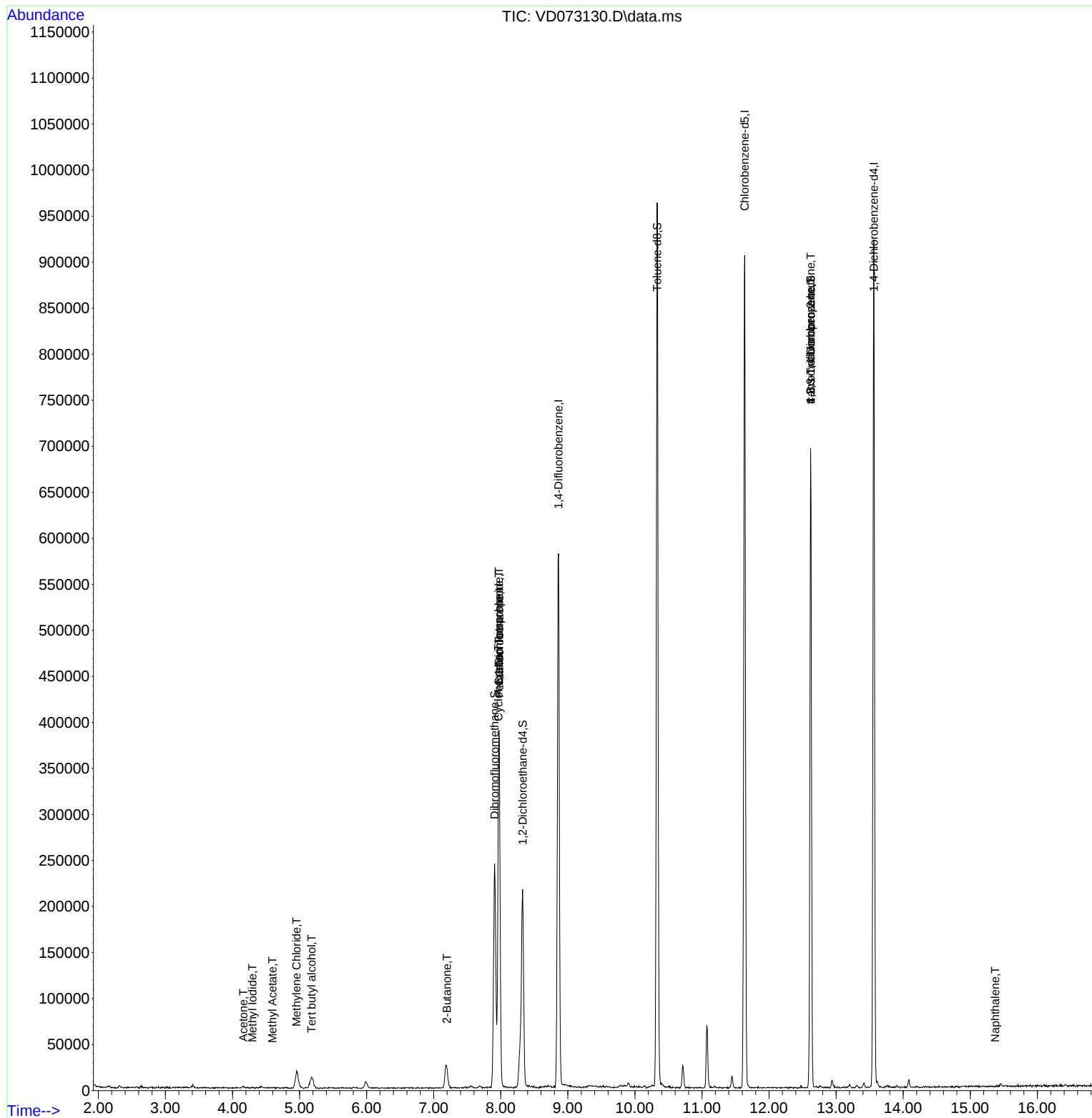
Internal Standards						
1) Pentafluorobenzene	7.979	168	275052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	501495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	529219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164753	47.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.800%
35) Dibromofluoromethane	7.908	113	174641	49.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.332	98	633832	49.620	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.620	95	222399	48.070	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	370	4.362	ug/l #	71
11) Tert butyl alcohol	5.179	59	11515	21.643	ug/l #	74
16) Acetone	4.161	43	2557	4.108	ug/l	90
18) Methyl Acetate	4.597	43	67	1.494	ug/l #	55
20) Methylene Chloride	4.956	84	13956	3.089	ug/l #	79
25) 2-Butanone	7.197	43	1618	1.717	ug/l #	52
31) Cyclohexane	7.967	56	6879	1.110	ug/l #	2
36) 1,1-Dichloropropene	7.973	75	23806	4.149	ug/l #	53
38) Carbon Tetrachloride	7.973	117	29931	5.099	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	115812	42.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	115812	102.125	ug/l #	7
95) Naphthalene	15.373	128	132	4.273	ug/l #	70

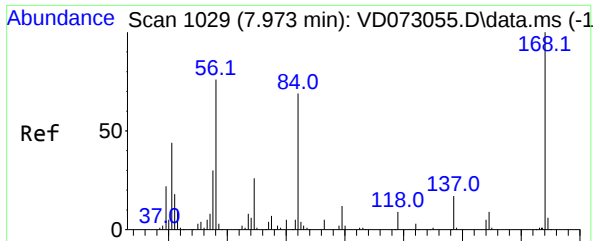
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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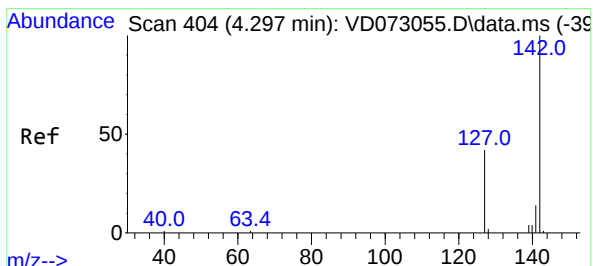
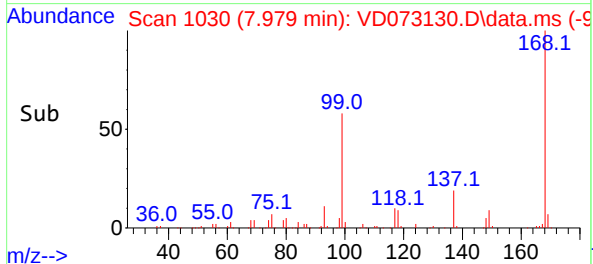
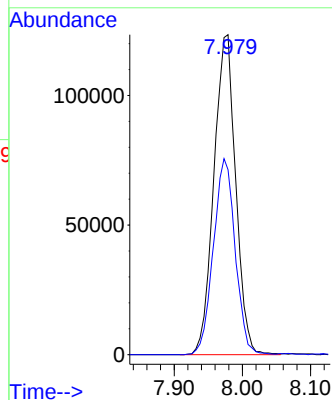
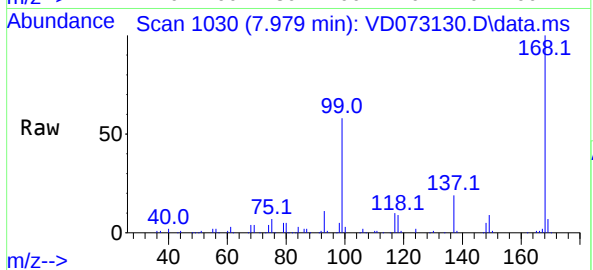




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

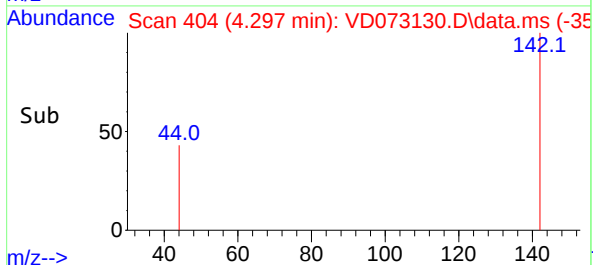
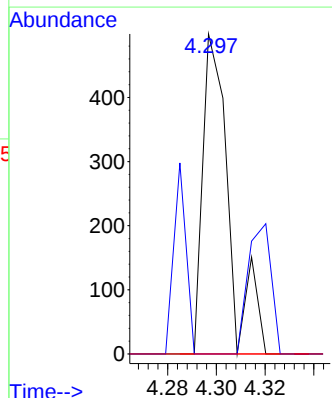
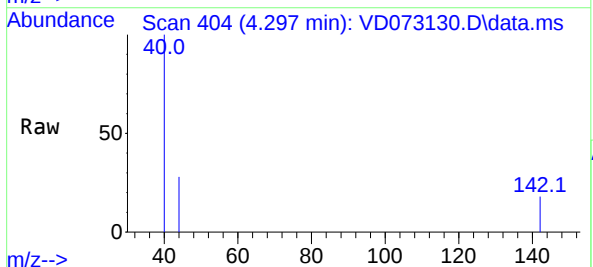
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

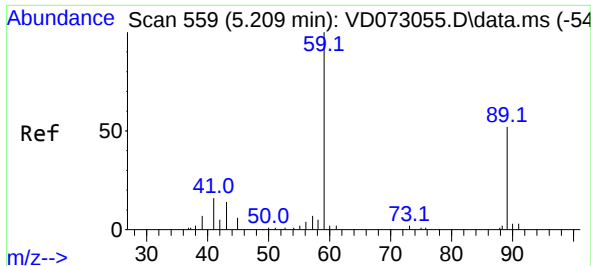
Tgt Ion:168 Resp: 275052
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#10
Methyl Iodide
Concen: 4.362 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion:142 Resp: 370
Ion Ratio Lower Upper
142 100
127 28.4 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 21.643 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073130.D

Acq: 19 May 2022 07:34

Instrument :

MSVOA_D

ClientSampleId :

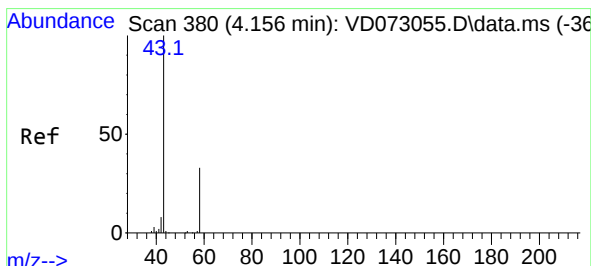
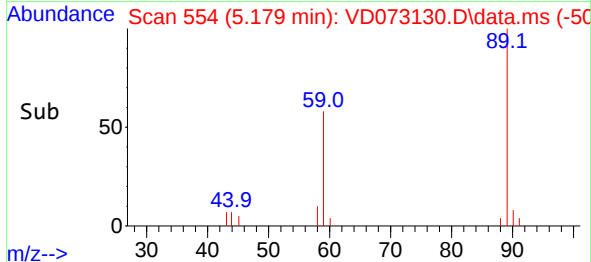
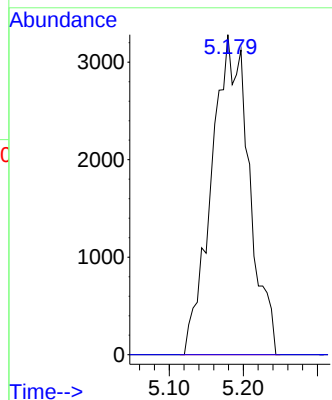
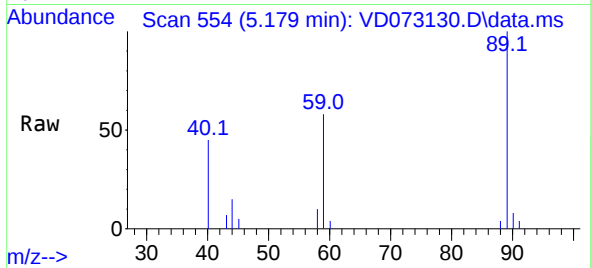
P016-SS001-1218-01

Tgt Ion: 59 Resp: 11515

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 4.108 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073130.D

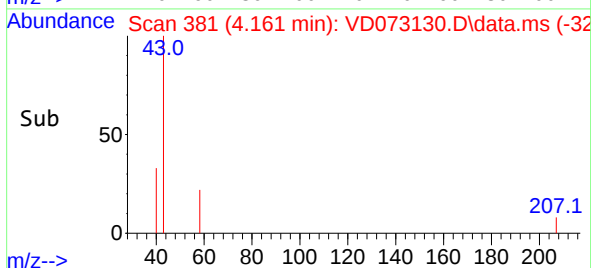
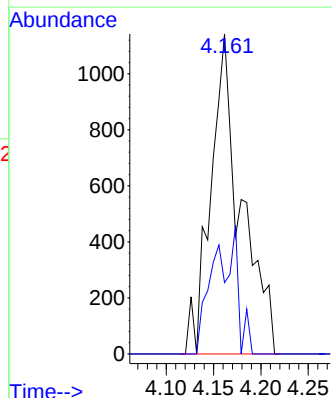
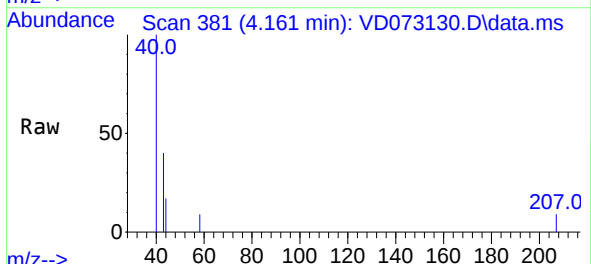
Acq: 19 May 2022 07:34

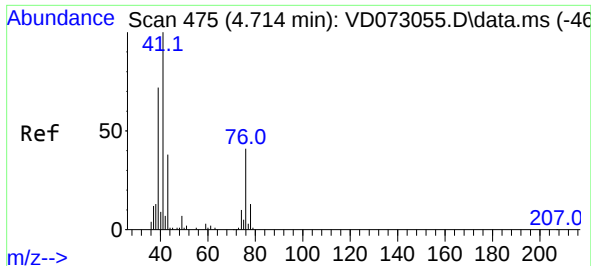
Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

58 22.3 22.1 33.1





#18

Methyl Acetate

Concen: 1.494 ug/l

RT: 4.597 min Scan# 41

Delta R.T. -0.117 min

Lab File: VD073130.D

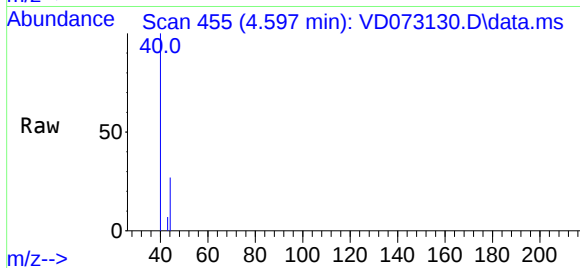
Acq: 19 May 2022 07:34

Instrument :

MSVOA_D

ClientSampleId :

P016-SS001-1218-01

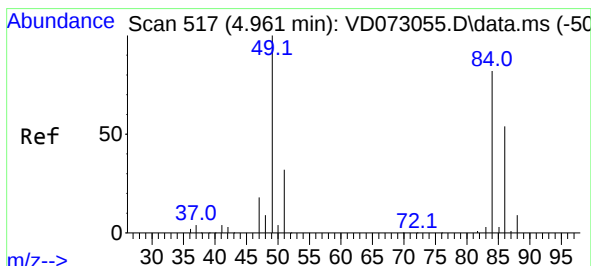
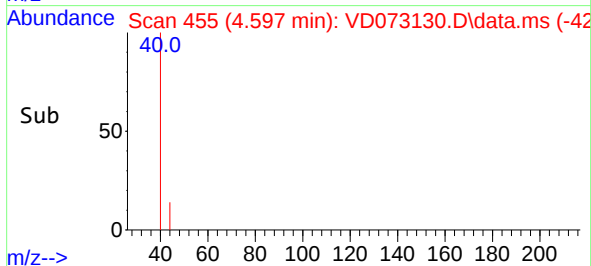
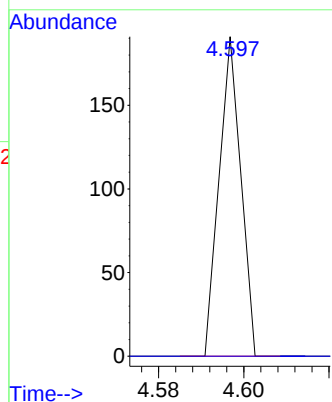


Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.089 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073130.D

Acq: 19 May 2022 07:34

Tgt Ion: 84 Resp: 13956

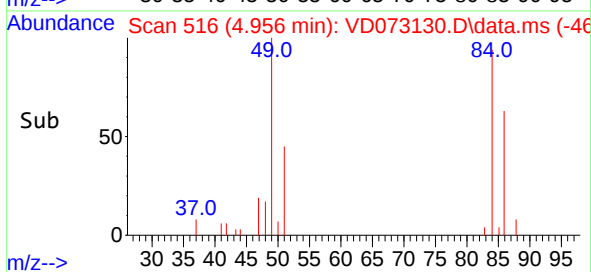
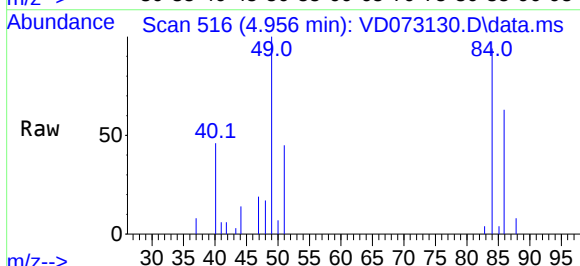
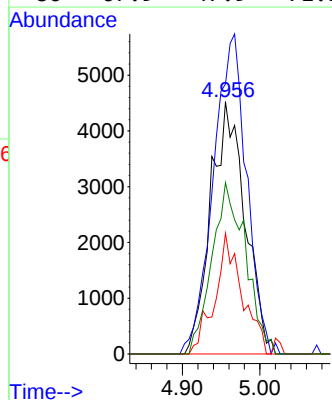
Ion Ratio Lower Upper

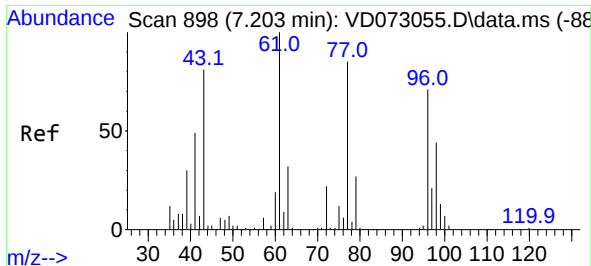
84 100

49 106.9 112.8 169.2#

51 47.8 32.6 48.8

86 67.9 47.9 71.9

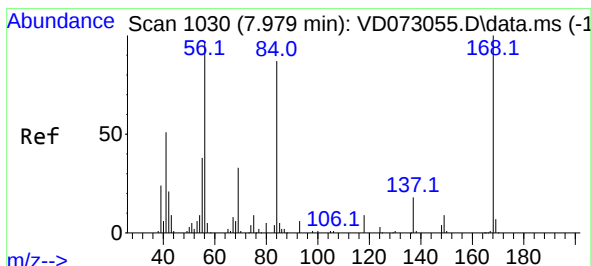
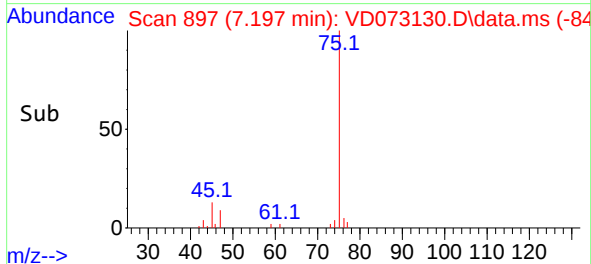
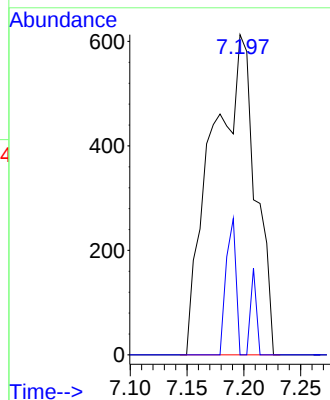
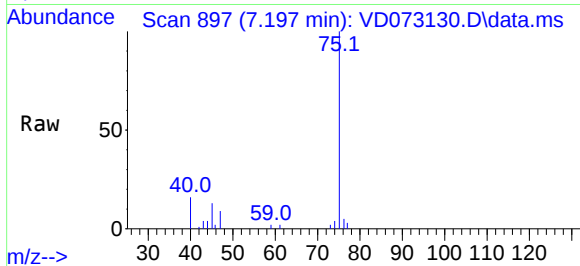




#25
2-Butanone
Concen: 1.717 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.006 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

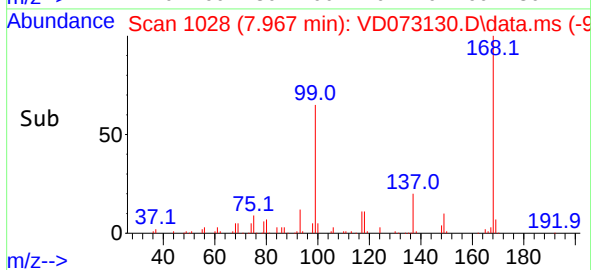
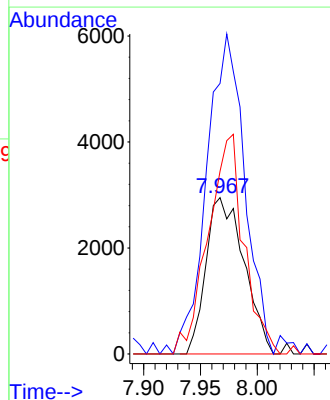
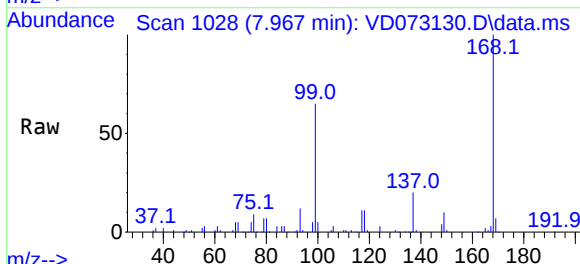
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

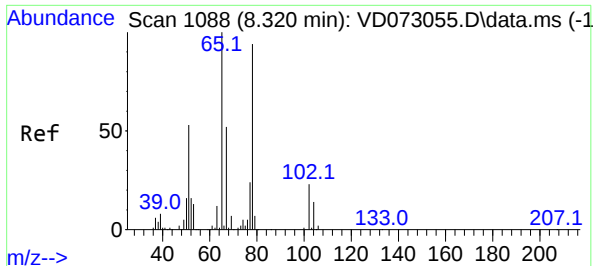
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion: 56 Resp: 6879
Ion Ratio Lower Upper
56 100
69 161.3 25.4 38.2#
84 116.9 63.0 94.4#

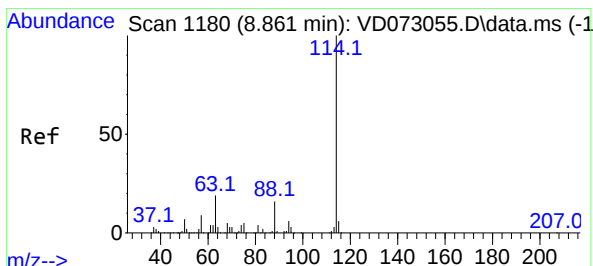
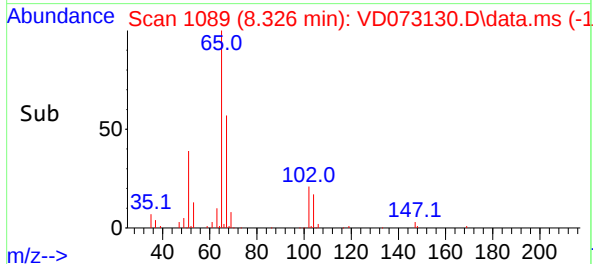
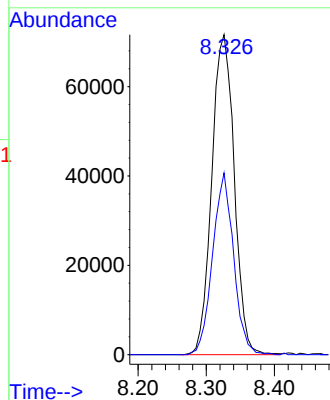
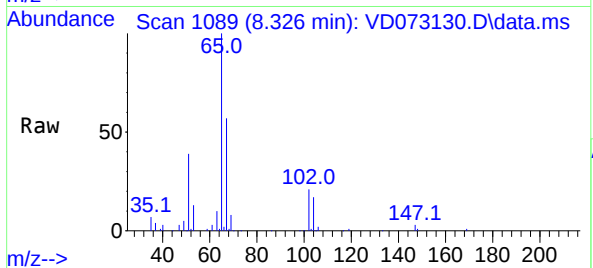




#33
1,2-Dichloroethane-d4
Concen: 47.897 ug/l
RT: 8.326 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

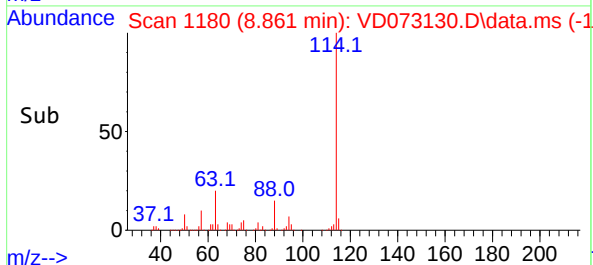
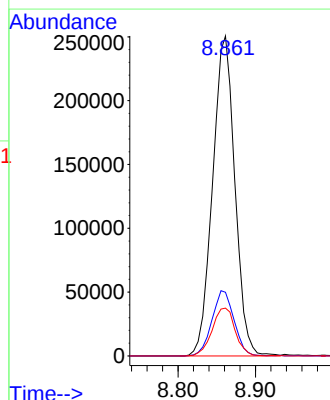
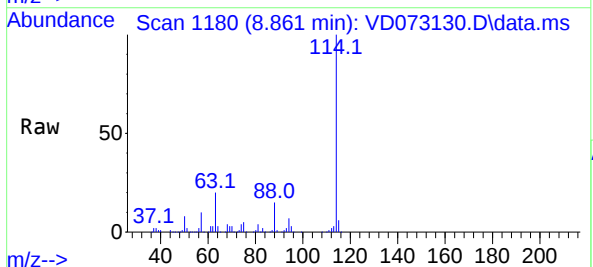
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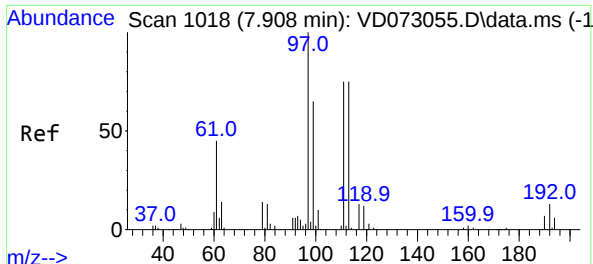
Tgt Ion: 65 Resp: 164753
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion: 114 Resp: 501495
Ion Ratio Lower Upper
114 100
63 19.9 0.0 46.6
88 14.9 0.0 33.2

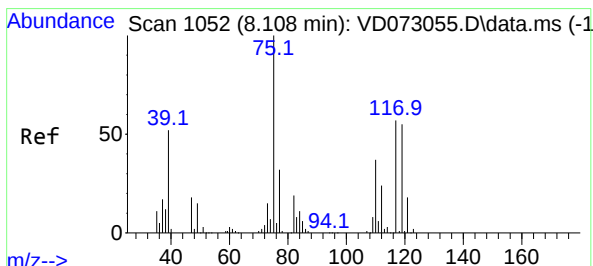
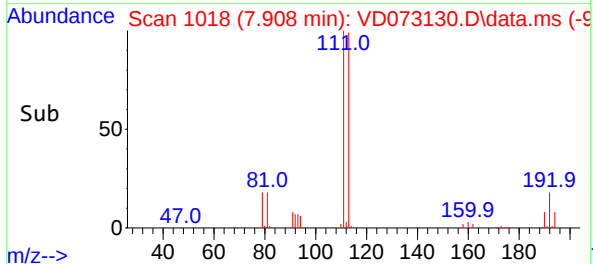
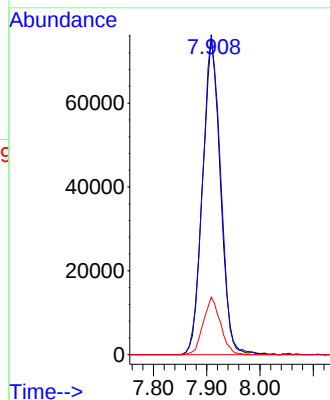
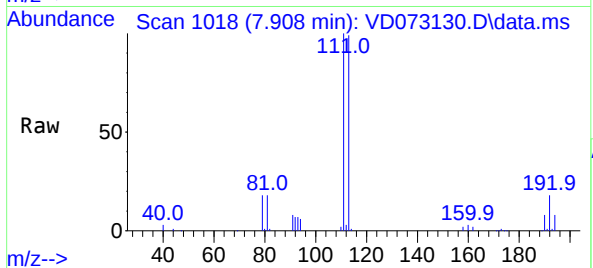




#35
Dibromofluoromethane
Concen: 49.599 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

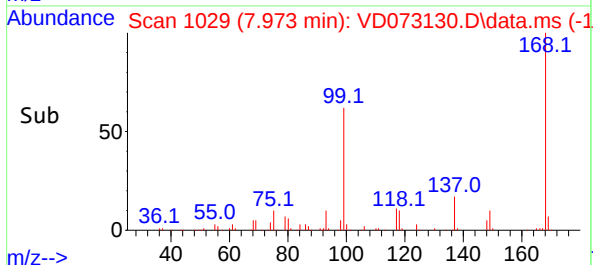
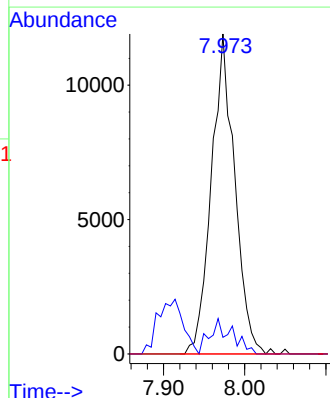
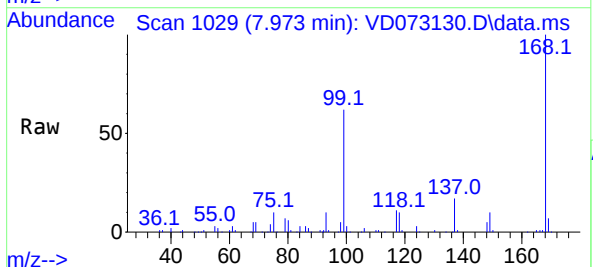
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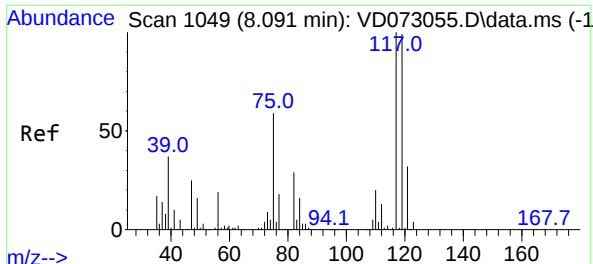
Tgt Ion:113 Resp: 174641
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 17.6 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.149 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

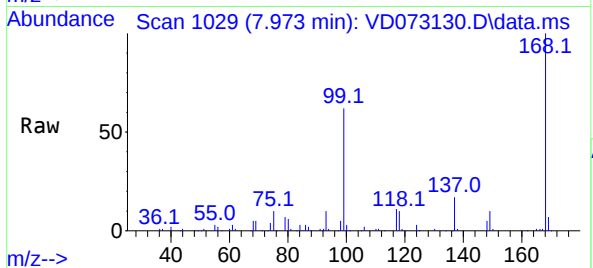
Tgt Ion: 75 Resp: 23806
Ion Ratio Lower Upper
75 100
110 10.5 16.4 49.1#
77 0.0 24.2 36.2#



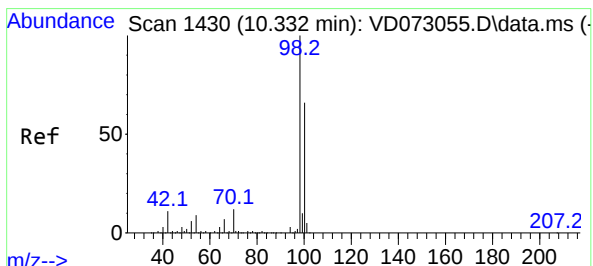
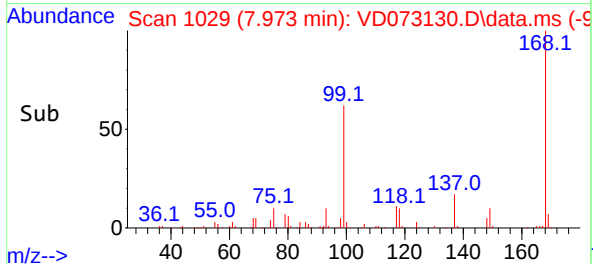
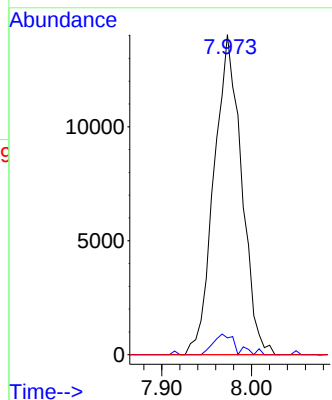


#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

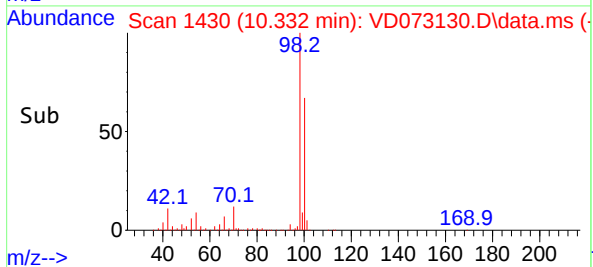
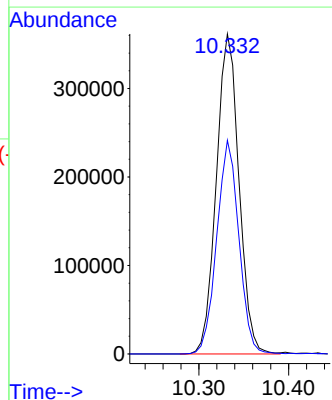
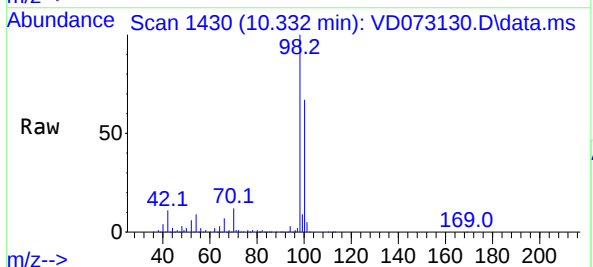


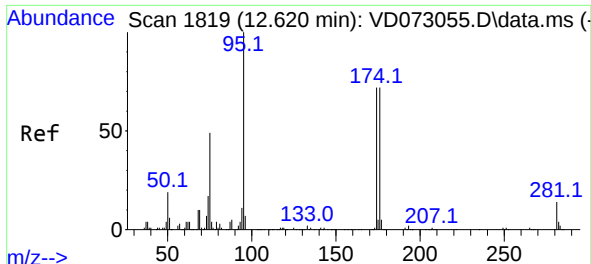
Tgt Ion:117 Resp: 29931
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.620 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion: 98 Resp: 633832
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6

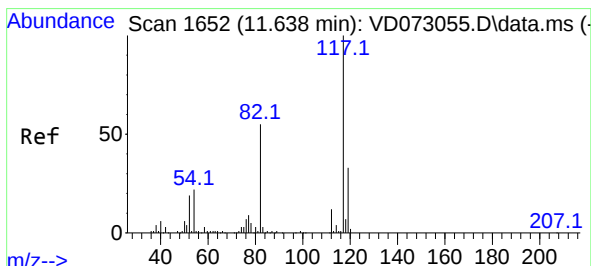
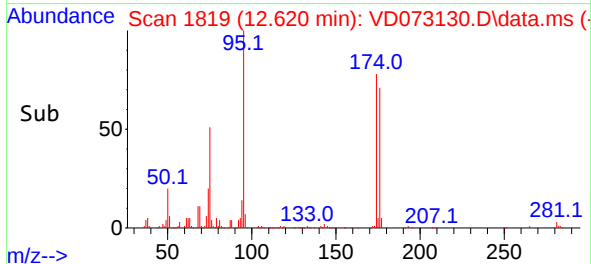
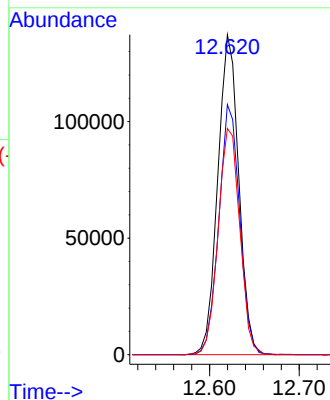
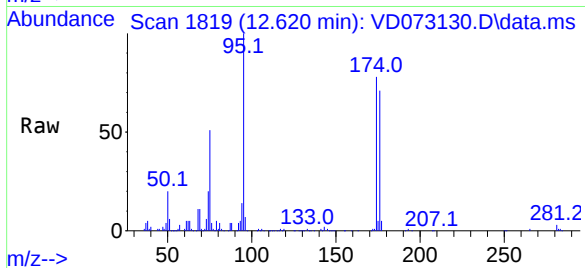




#62
4-Bromofluorobenzene
Concen: 48.070 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

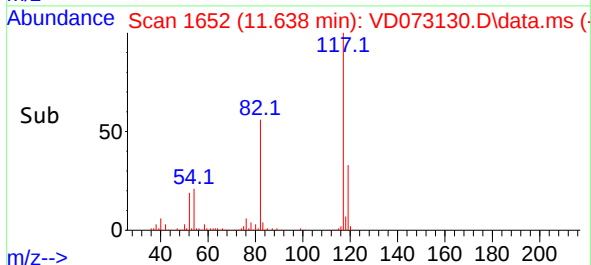
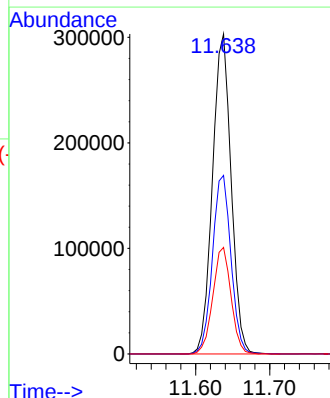
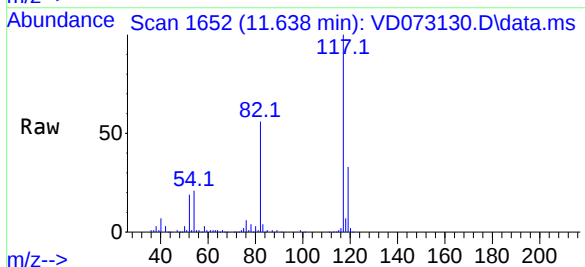
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

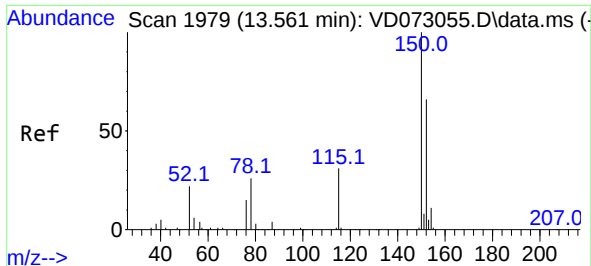
Tgt Ion: 95 Resp: 222399
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion: 117 Resp: 529219
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 33.3 26.6 40.0

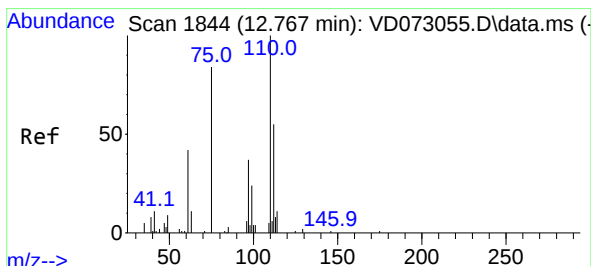
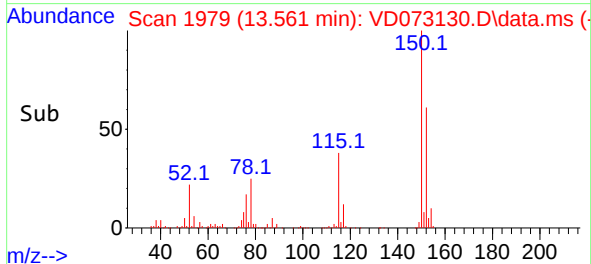
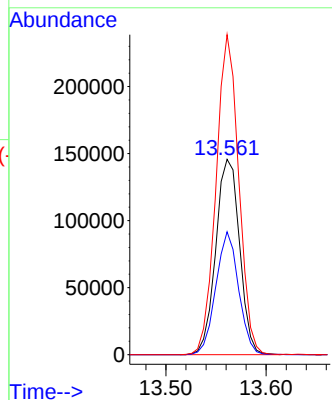
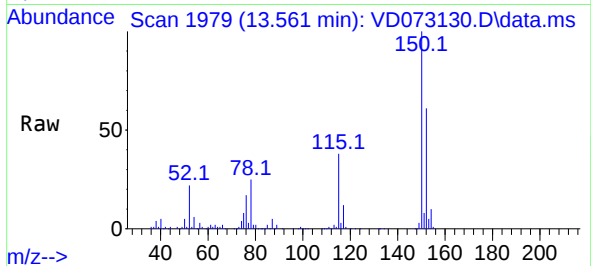




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

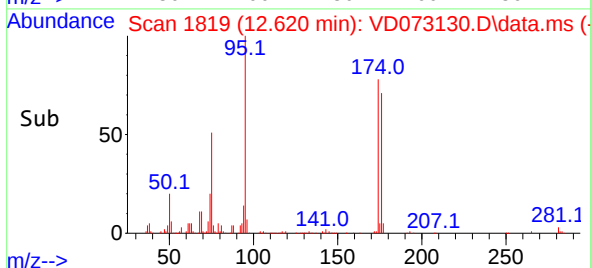
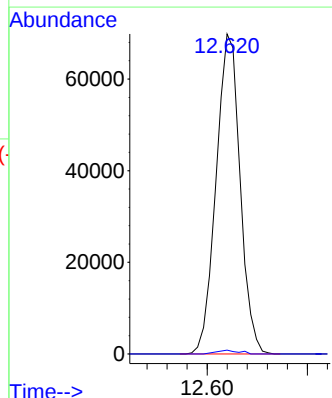
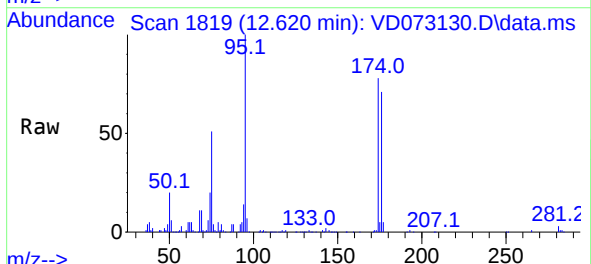
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

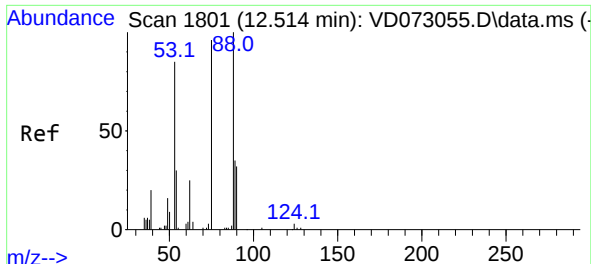
Tgt Ion:152 Resp: 240538
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 156.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 42.592 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion: 75 Resp: 115812
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

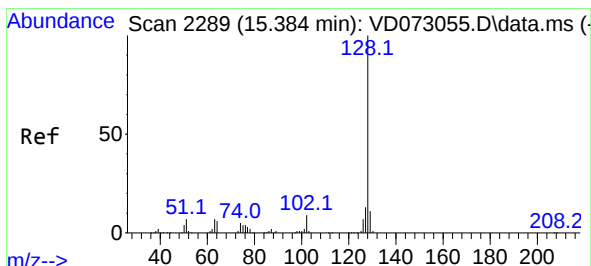
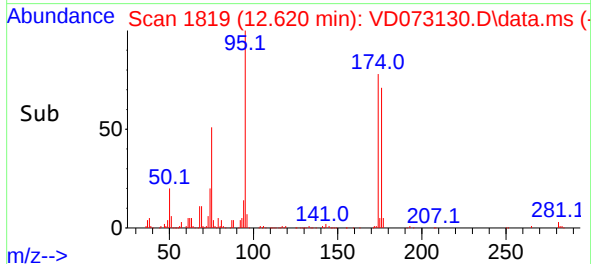
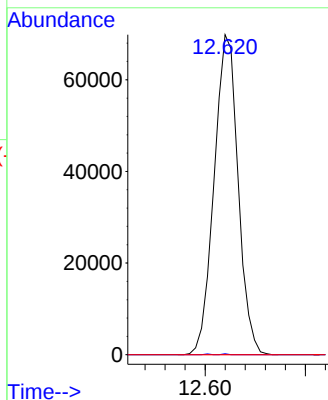
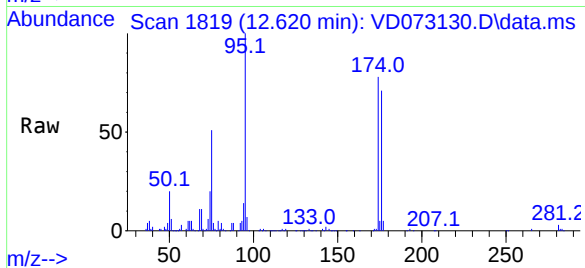




#81
trans-1,4-Dichloro-2-butene
Concen: 102.125 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-1218-01

Tgt Ion: 75 Resp: 115812
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.273 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD073130.D
Acq: 19 May 2022 07:34

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

