

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073118.D
 Acq On : 19 May 2022 02:18
 Operator : VA/SY
 Sample : N2816-22RE
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS016-0006-01

Quant Time: May 19 04:55:10 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)

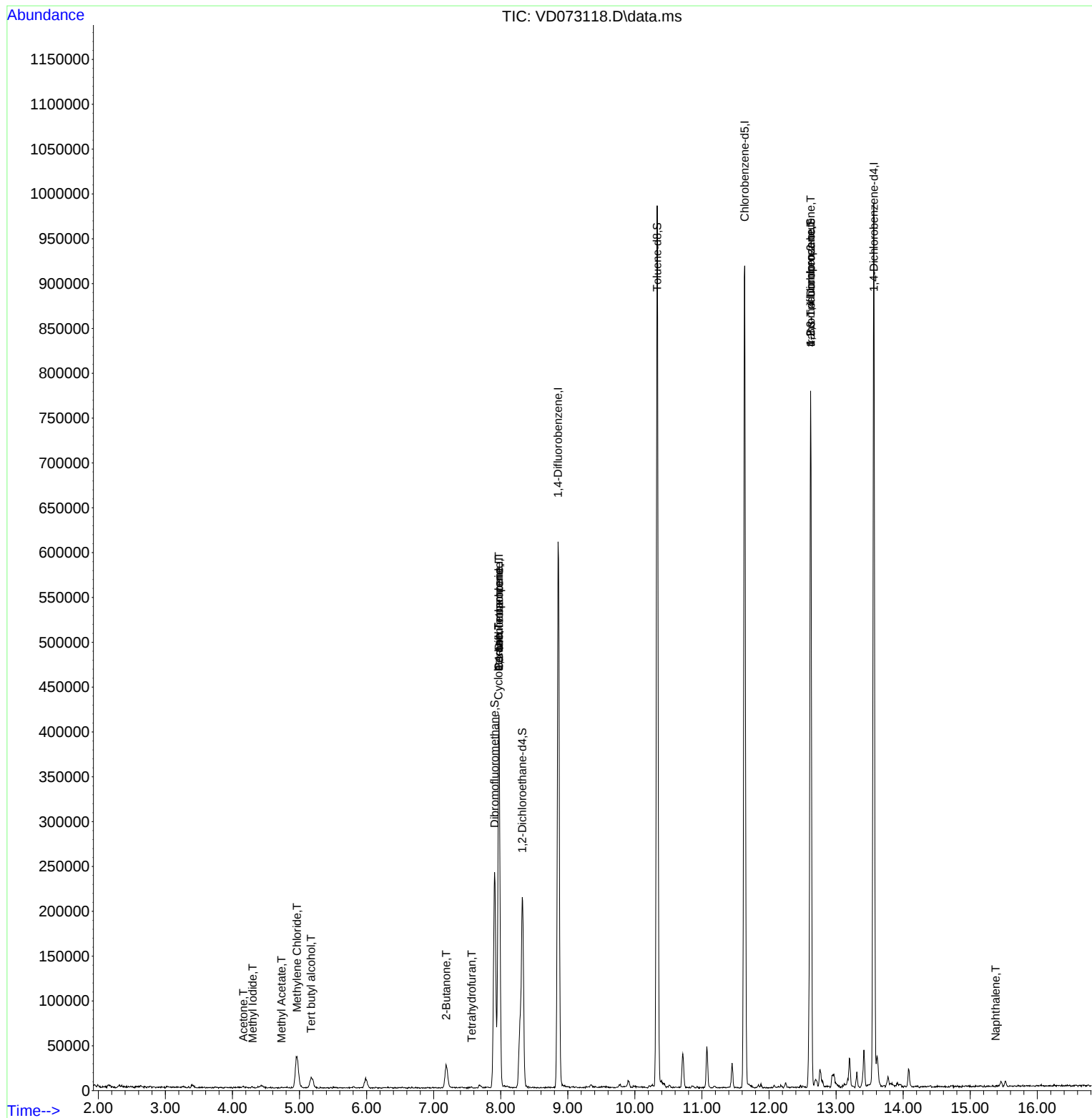
Internal Standards						
1) Pentafluorobenzene	7.973	168	290755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	527755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	538174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	254021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	166249	45.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.440%
35) Dibromofluoromethane	7.909	113	175366	47.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.660%
50) Toluene-d8	10.332	98	639996	47.610	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.620	95	242285	49.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.520%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1012	4.493	ug/l #	78
11) Tert butyl alcohol	5.173	59	11188	19.893	ug/l #	74
16) Acetone	4.162	43	2784	4.231	ug/l	95
18) Methyl Acetate	4.732	43	61	1.489	ug/l #	55
20) Methylene Chloride	4.962	84	28722	6.014	ug/l	88
25) 2-Butanone	7.185	43	1313	1.318	ug/l #	52
29) Tetrahydrofuran	7.567	42	672	1.048	ug/l #	44
31) Cyclohexane	7.967	56	7259	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25613	4.242	ug/l #	51
38) Carbon Tetrachloride	7.973	117	30981	5.015	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	121860	42.437	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	121860	101.754	ug/l #	7
95) Naphthalene	15.379	128	464	4.303	ug/l #	70

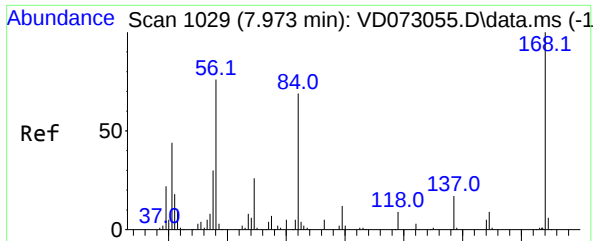
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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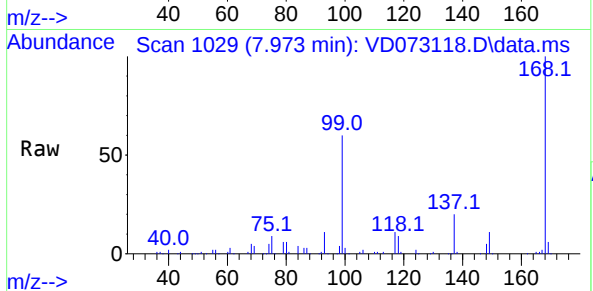
Quant Time: May 19 04:55:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



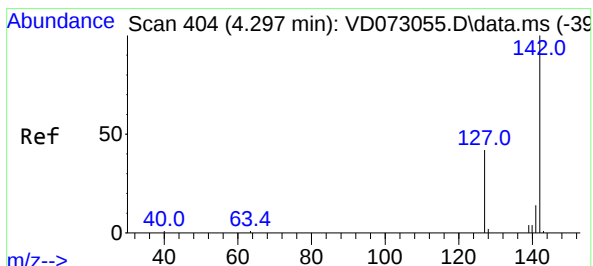
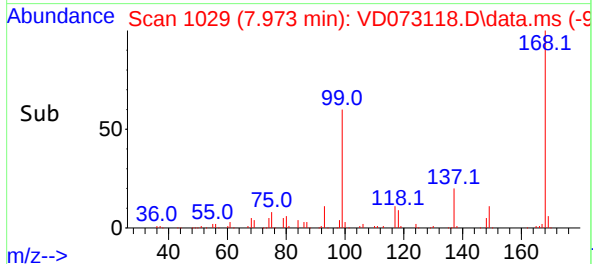
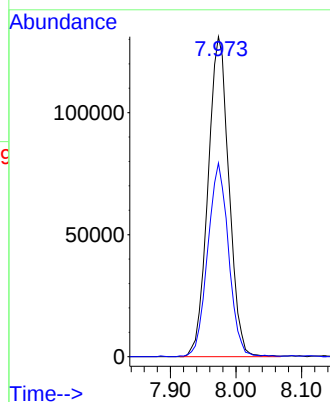


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

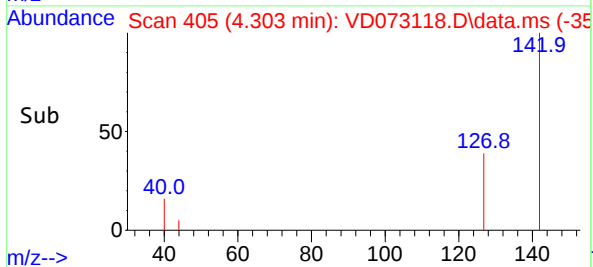
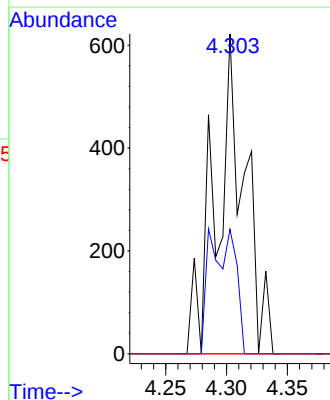
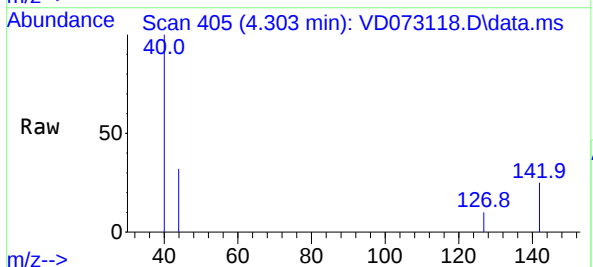


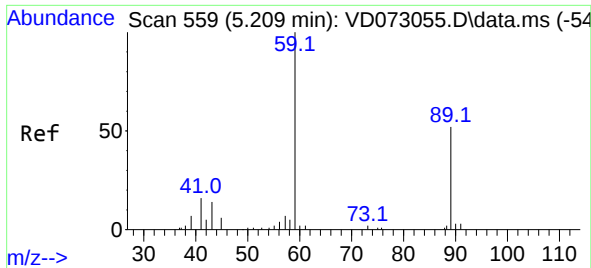
Tgt Ion:168 Resp: 290755
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.493 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion:142 Resp: 1012
Ion Ratio Lower Upper
142 100
127 35.1 37.3 55.9#
141 0.0 11.7 17.5#

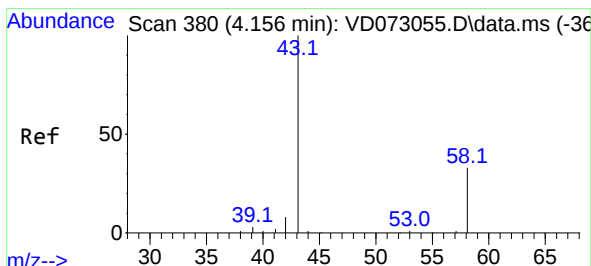
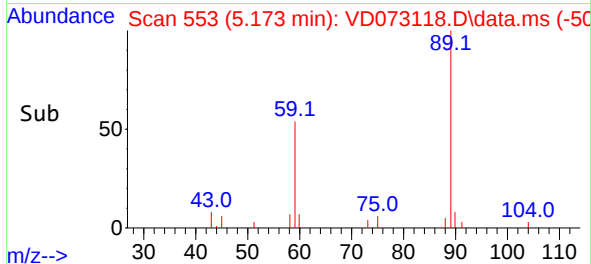
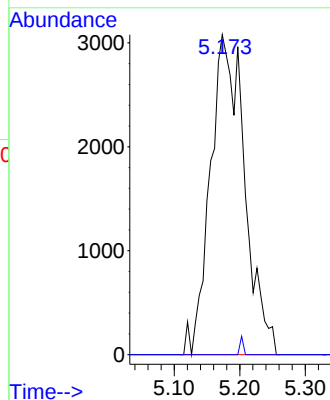
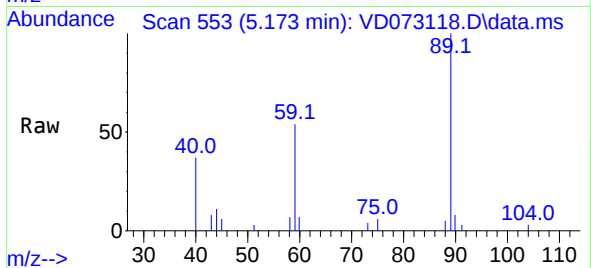




#11
Tert butyl alcohol
Concen: 19.893 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.036 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

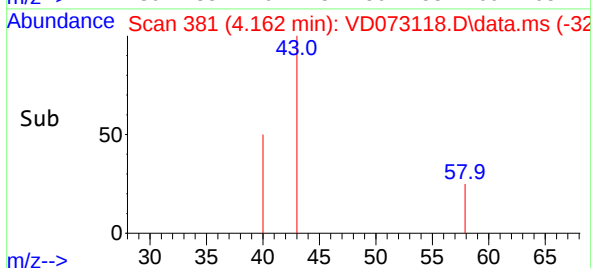
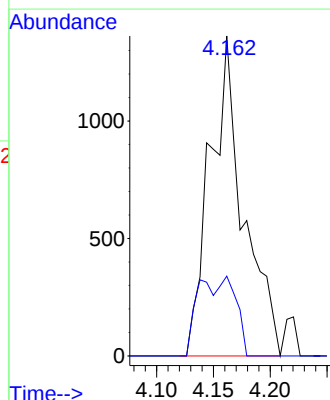
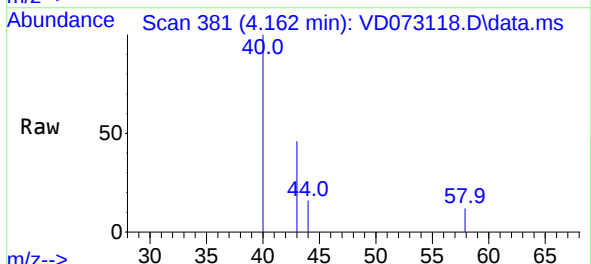
Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

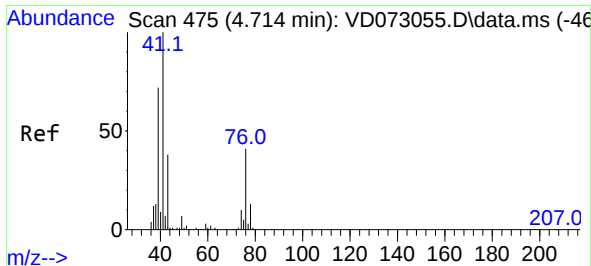
Tgt Ion: 59 Resp: 11188
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 4.231 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
58 25.0 22.1 33.1

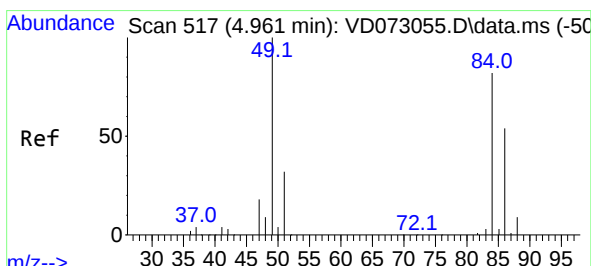
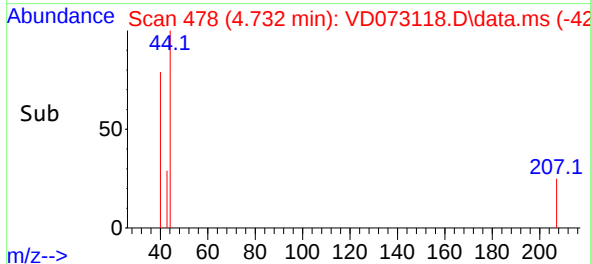
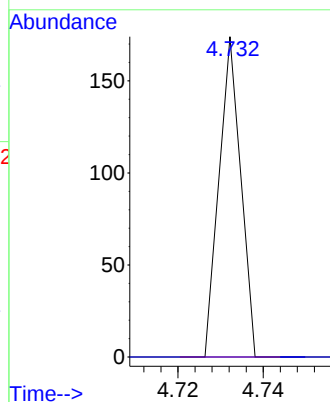
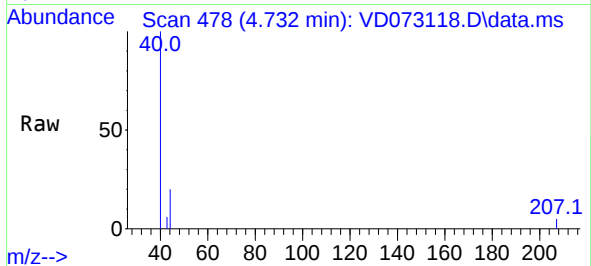




#18
Methyl Acetate
Concen: 1.489 ug/l
RT: 4.732 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

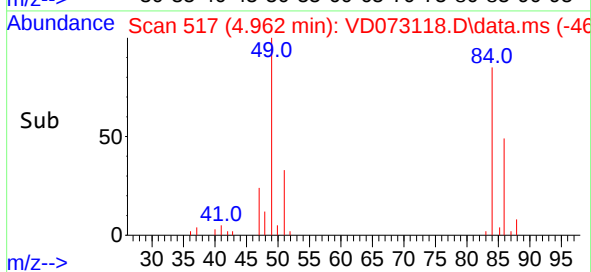
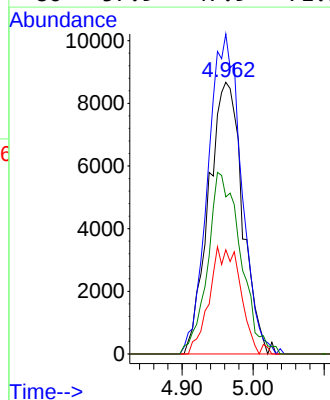
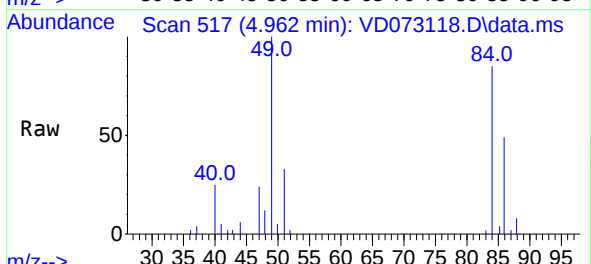
Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

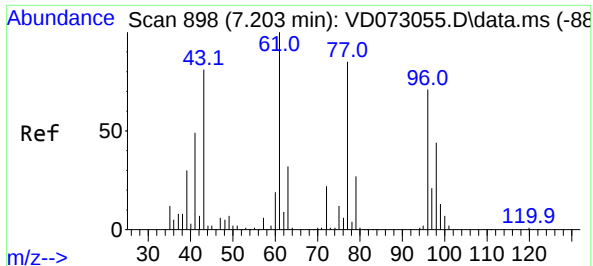
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 6.014 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion: 84 Resp: 28722
Ion Ratio Lower Upper
84 100
49 117.8 112.8 169.2
51 38.3 32.6 48.8
86 57.9 47.9 71.9

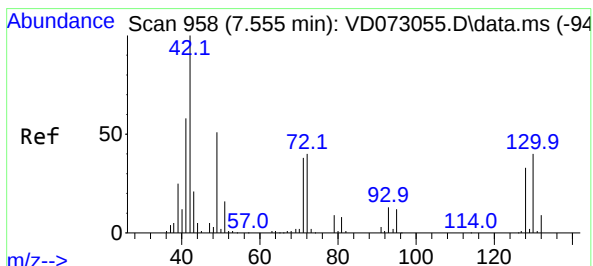
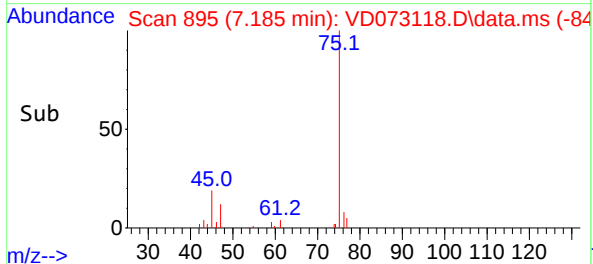
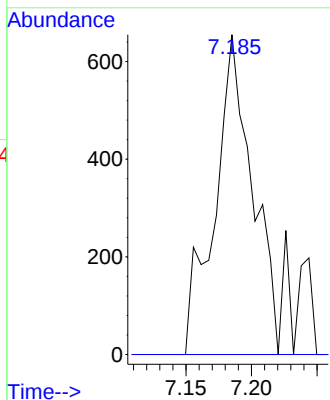
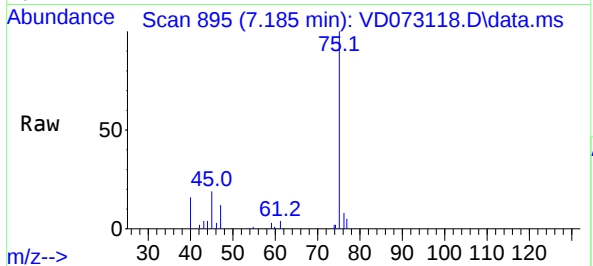




#25
2-Butanone
Concen: 1.318 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

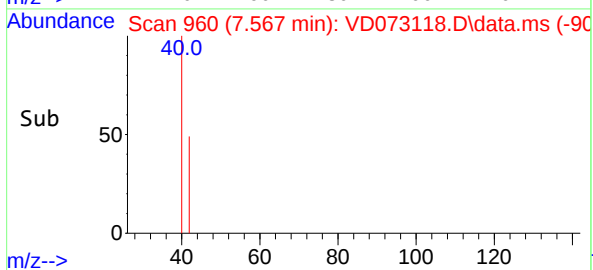
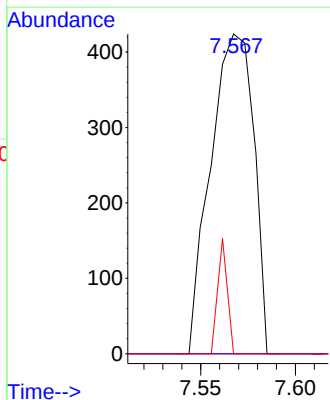
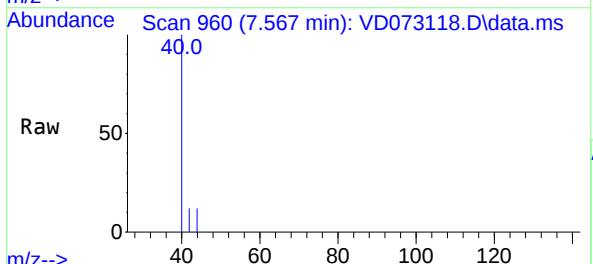
Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

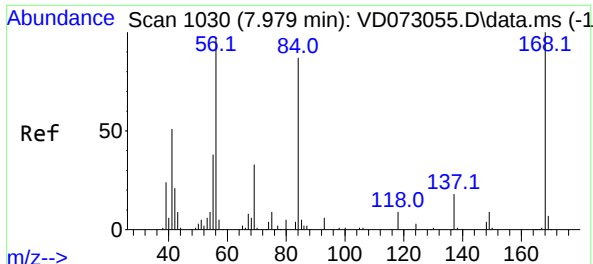
Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.048 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.012 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

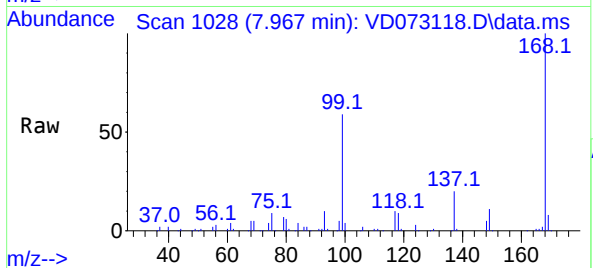
Tgt Ion: 42 Resp: 672
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 8.0 28.6 43.0#



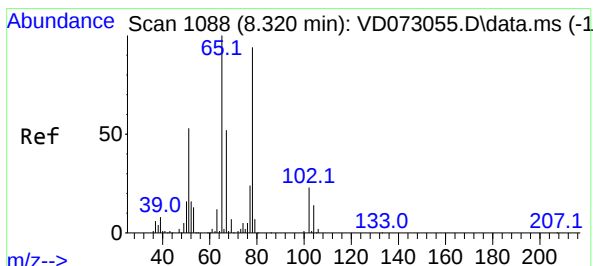
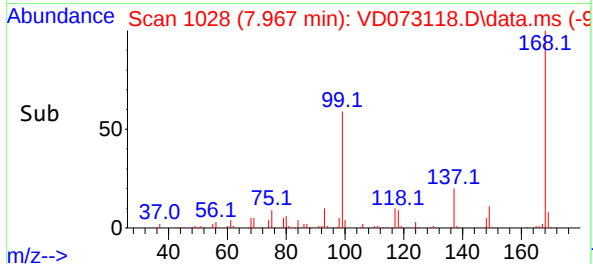
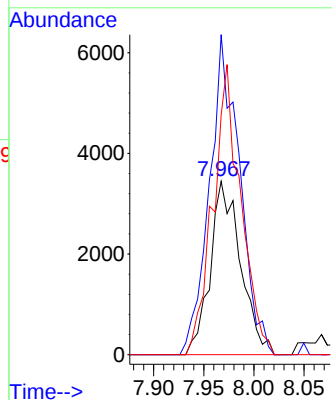


#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

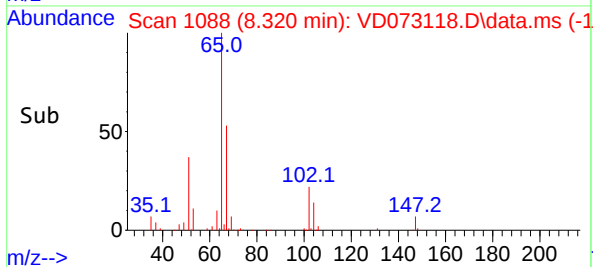
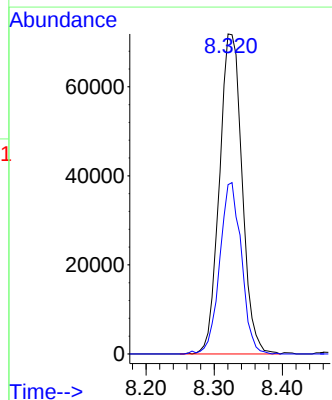
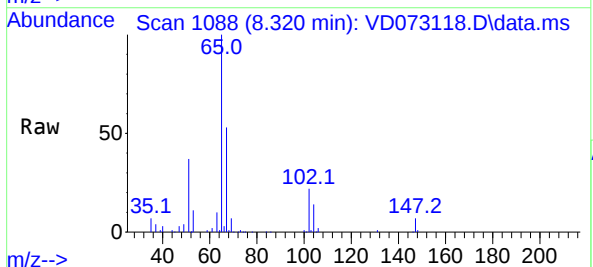


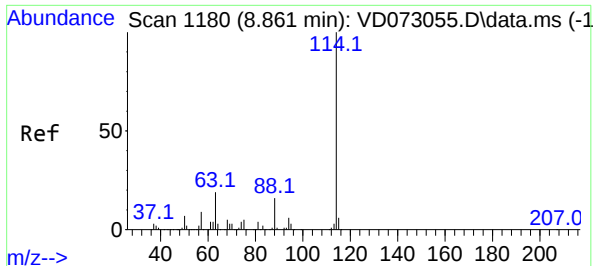
Tgt Ion: 56 Resp: 7259
Ion Ratio Lower Upper
56 100
69 184.6 25.4 38.2#
84 138.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 45.722 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion: 65 Resp: 166249
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073118.D

Acq: 19 May 2022 02:18

Instrument :

MSVOA_D

ClientSampleId :

P007-SS016-0006-01

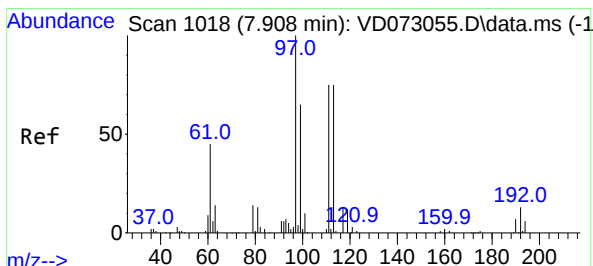
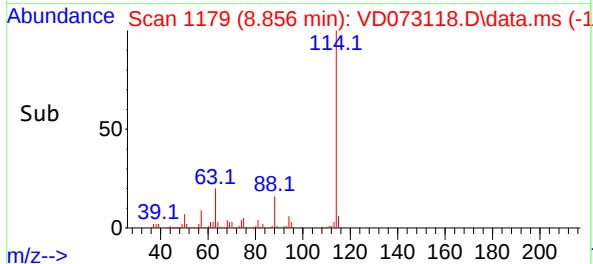
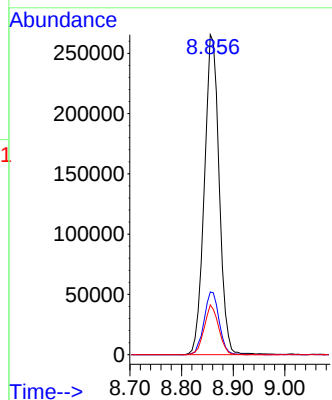
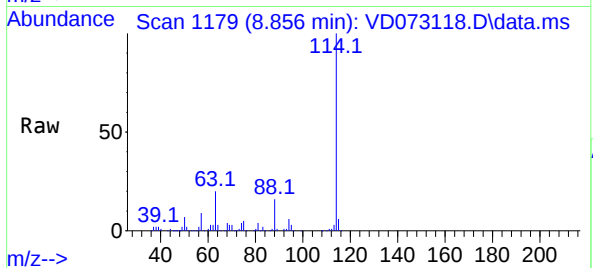
Tgt Ion:114 Resp: 527755

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.327 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073118.D

Acq: 19 May 2022 02:18

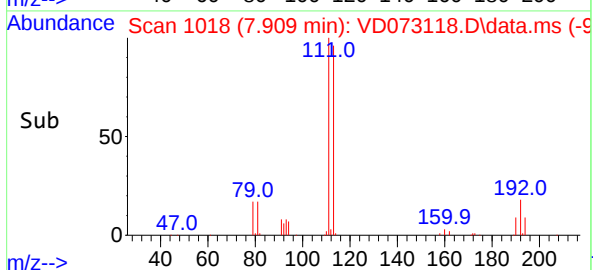
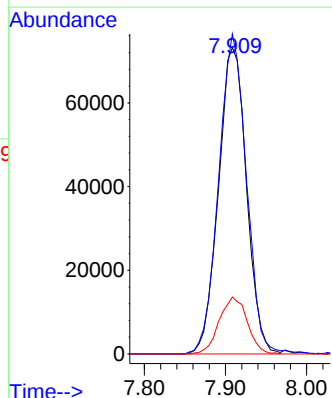
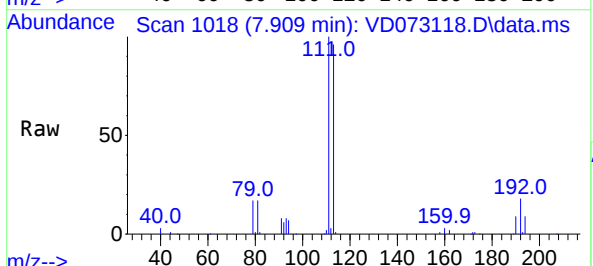
Tgt Ion:113 Resp: 175366

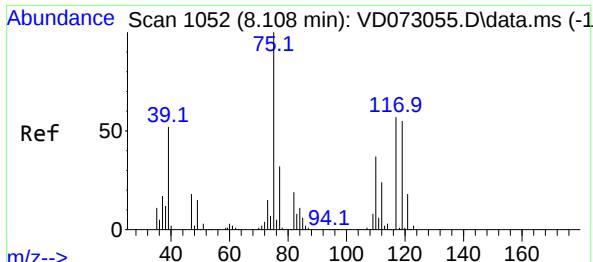
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.6 14.6 21.8

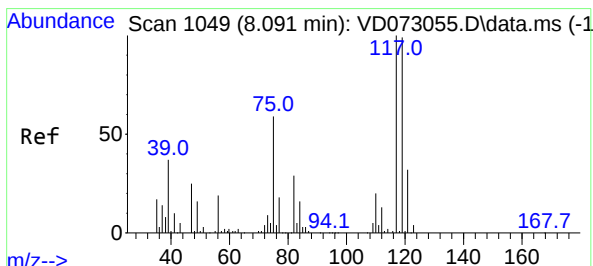
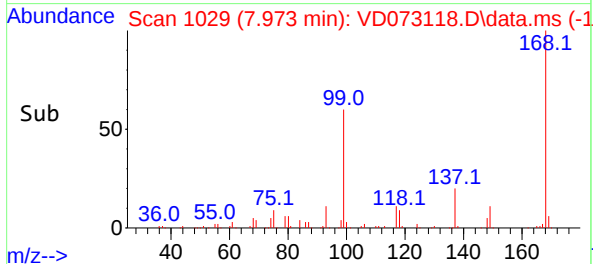
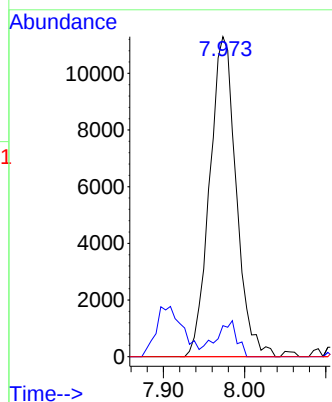
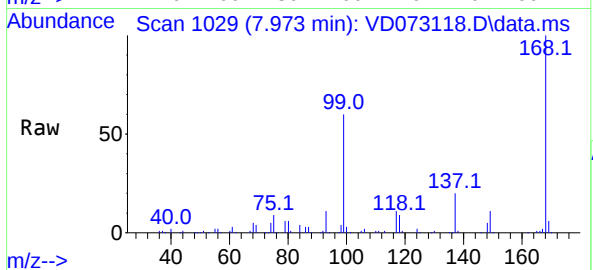




#36
1,1-Dichloropropene
Concen: 4.242 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

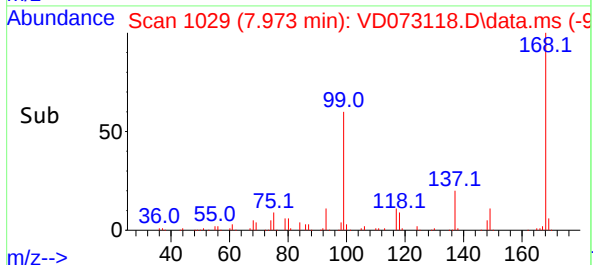
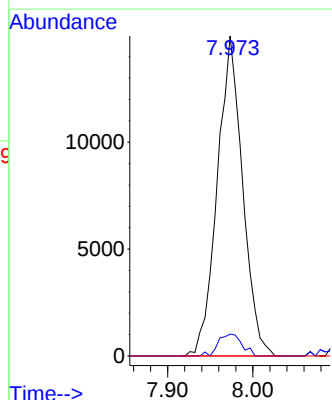
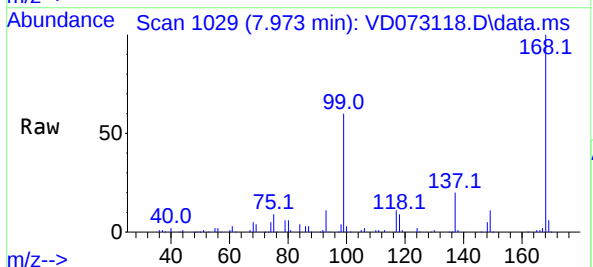
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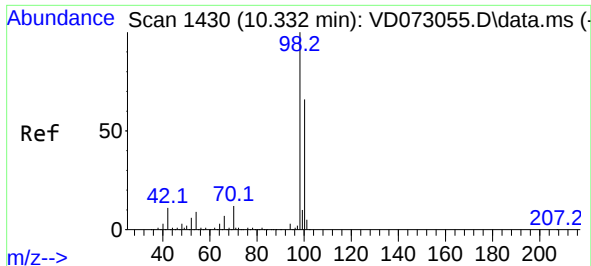
Tgt Ion: 75 Resp: 25613
Ion Ratio Lower Upper
75 100
110 8.9 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.015 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion: 117 Resp: 30981
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.5 36.7#

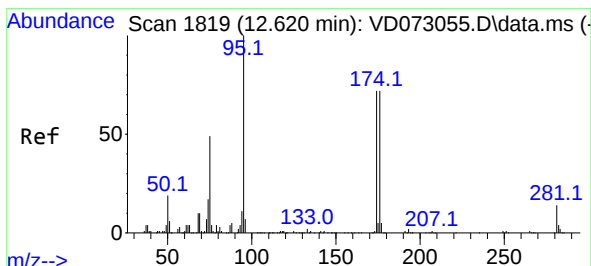
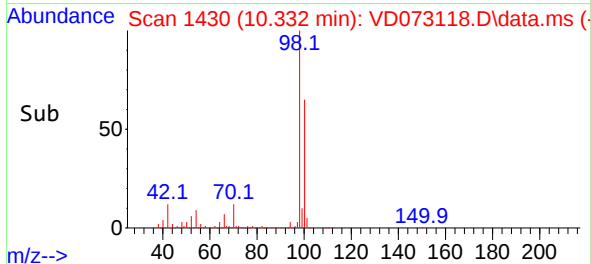
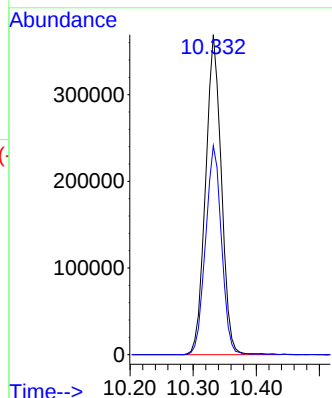
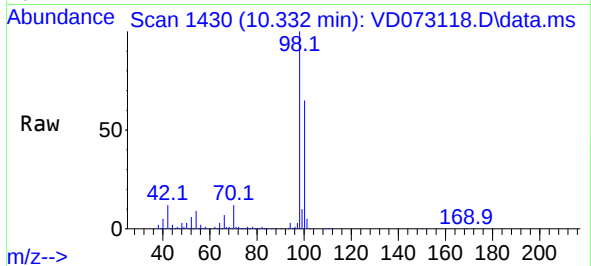




#50
Toluene-d8
Concen: 47.610 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

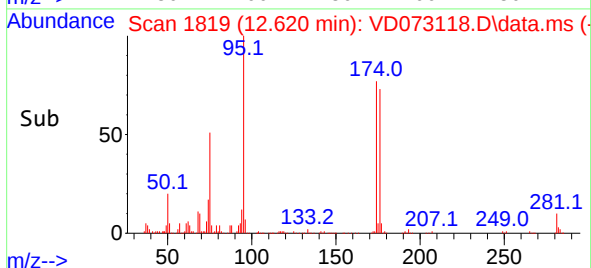
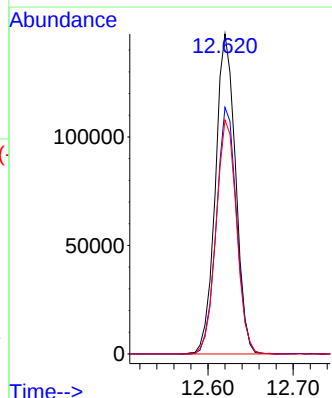
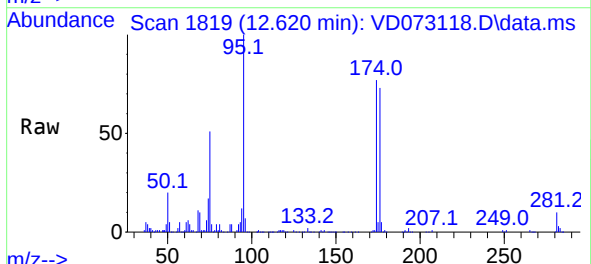
Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

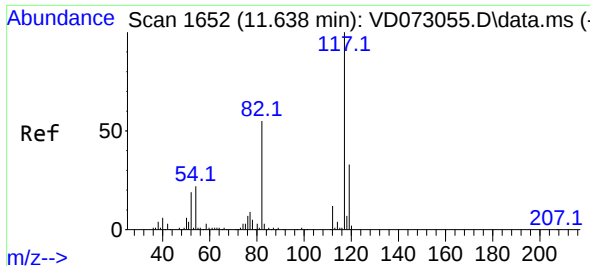
Tgt Ion: 98 Resp: 639996
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

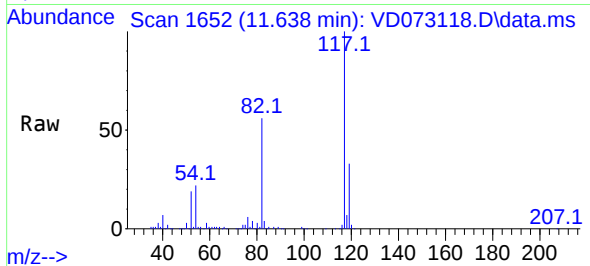
Tgt Ion: 95 Resp: 242285
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 74.3 0.0 145.4



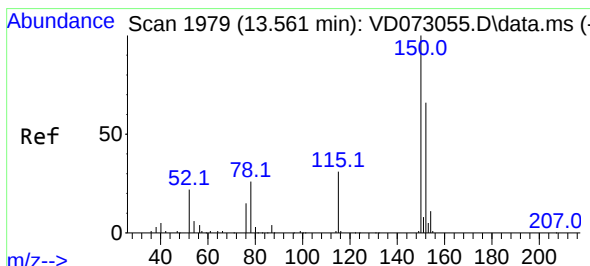
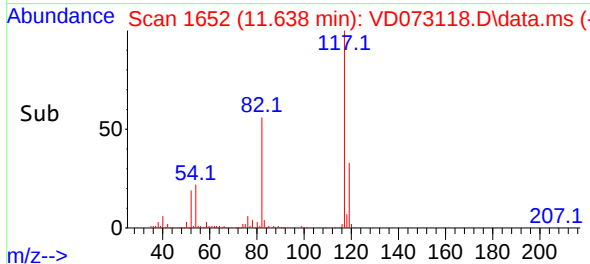
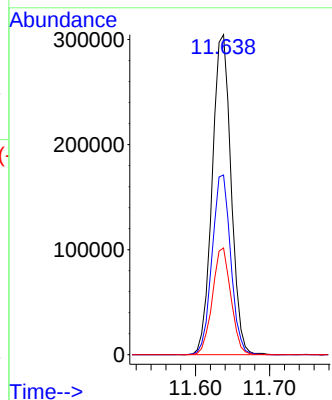


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

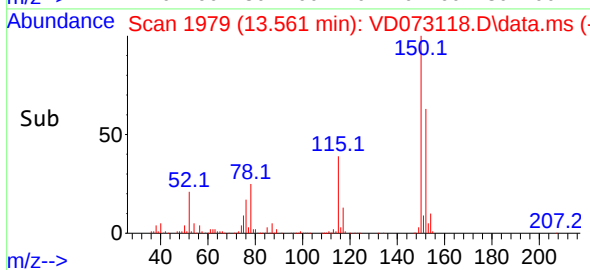
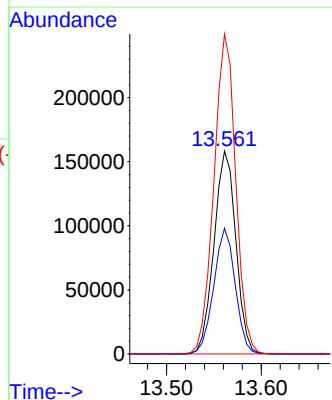
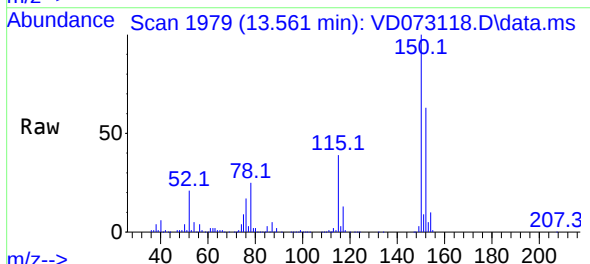


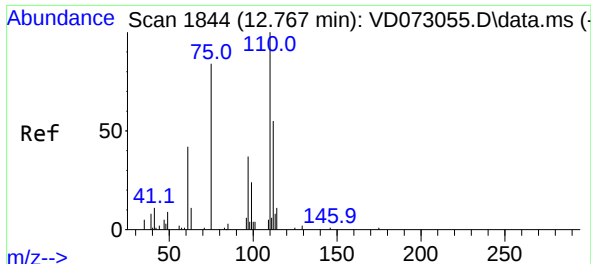
Tgt Ion:117 Resp: 538174
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 33.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Tgt Ion:152 Resp: 254021
Ion Ratio Lower Upper
152 100
115 60.7 31.3 93.8
150 157.4 0.0 348.6

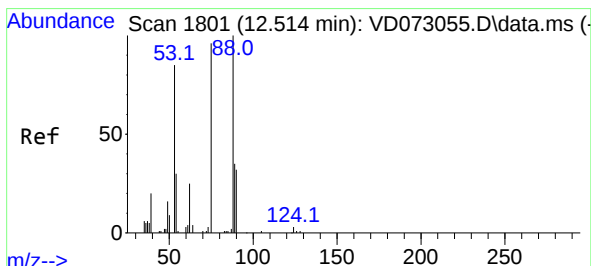
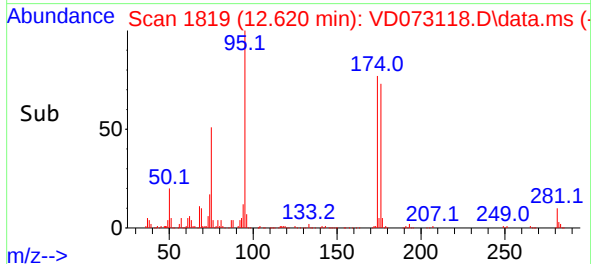
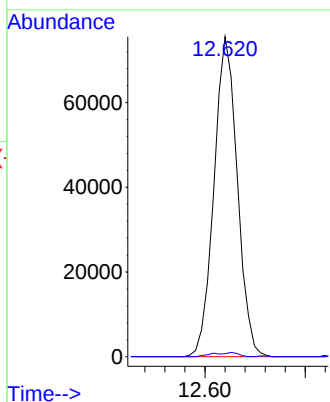
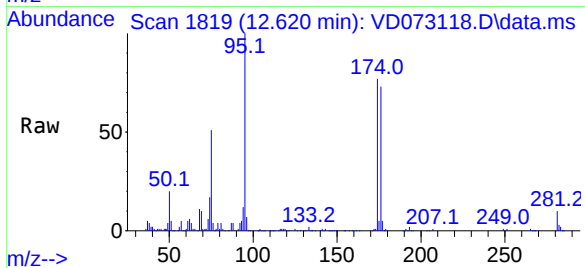




#76
1,2,3-Trichloropropane
Concen: 42.437 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

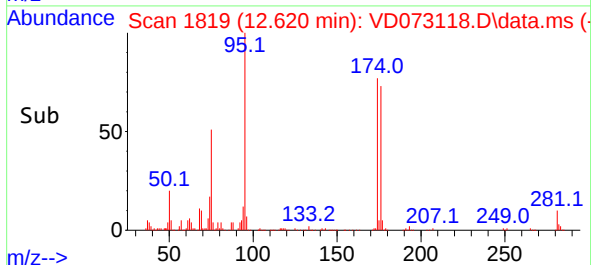
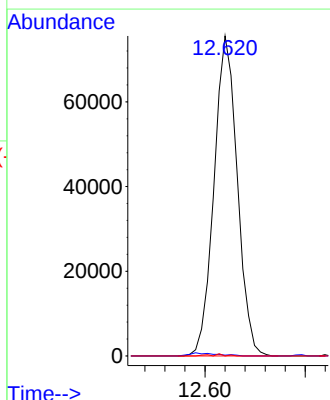
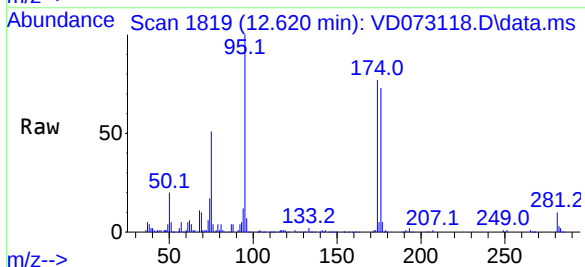
Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01

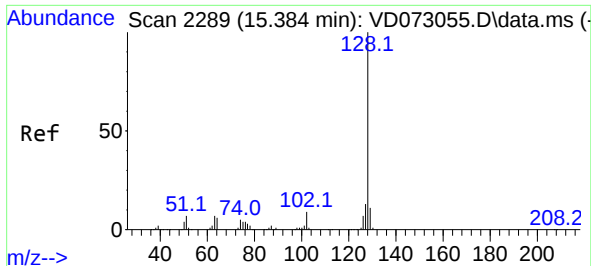
Tgt Ion: 75 Resp: 121860
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.754 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

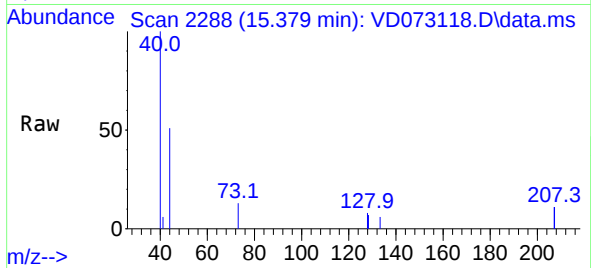
Tgt Ion: 75 Resp: 121860
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#





#95
Naphthalene
Concen: 4.303 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD073118.D
Acq: 19 May 2022 02:18

Instrument :
MSVOA_D
ClientSampleId :
P007-SS016-0006-01



Tgt Ion:128 Resp: 464
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

