

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074357.D
 Acq On : 19 Sep 2022 20:23
 Operator : VA/SY
 Sample : N4664-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-091522

Quant Time: Sep 19 23:03:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

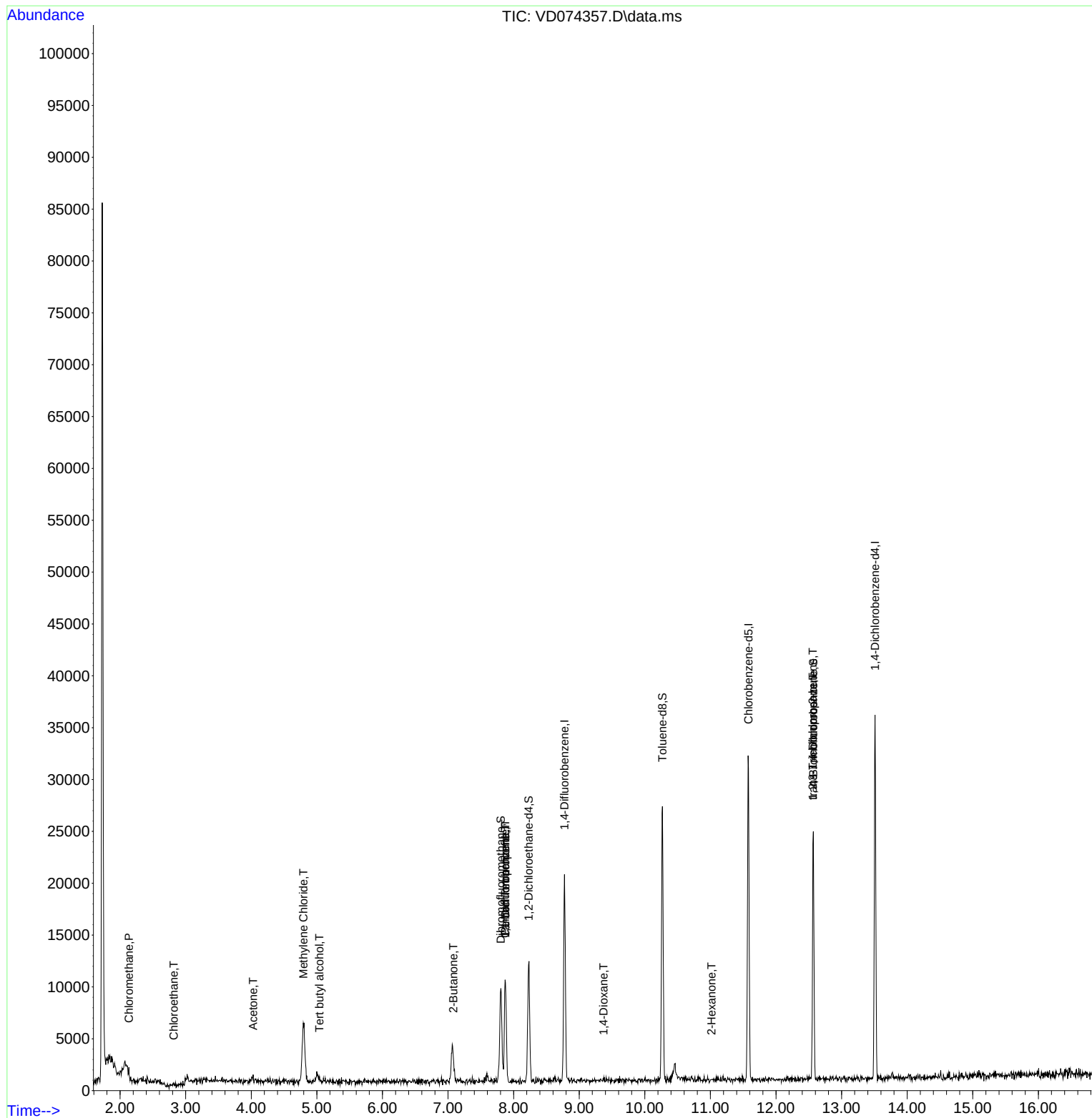
Internal Standards						
1) Pentafluorobenzene	7.869	168	8724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	17417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	18457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	9476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8816	103.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 207.500%#			
35) Dibromofluoromethane	7.805	113	6707	58.469	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.940%			
50) Toluene-d8	10.269	98	19086	48.221	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.569	95	7228	54.386	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.780%			
Target Compounds						Qvalue
3) Chloromethane	2.134	50	252	3.297	ug/l #	42
6) Chloroethane	2.817	64	115	2.610	ug/l #	44
11) Tert butyl alcohol	5.040	59	60	10.448	ug/l #	74
16) Acetone	4.028	43	858	44.819	ug/l #	42
20) Methylene Chloride	4.793	84	4139	31.318	ug/l #	88
25) 2-Butanone	7.081	43	193	6.769	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	562	3.210	ug/l #	42
38) Carbon Tetrachloride	7.875	117	928	5.980	ug/l #	11
49) 1,4-Dioxane	9.369	88	58	83.445	ug/l #	24
59) 2-Hexanone	11.016	43	56	1.177	ug/l #	22
76) 1,2,3-Trichloropropane	12.563	75	4014	45.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	4014	114.744	ug/l #	100

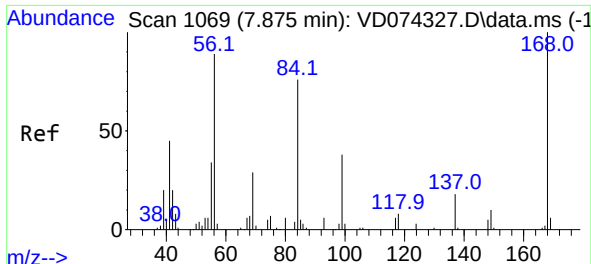
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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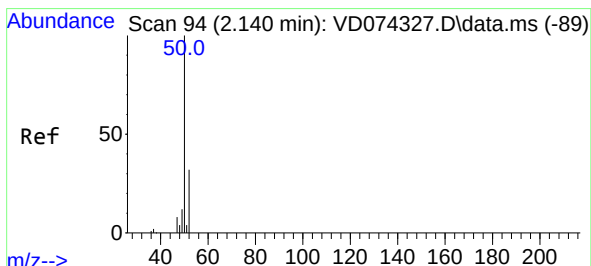
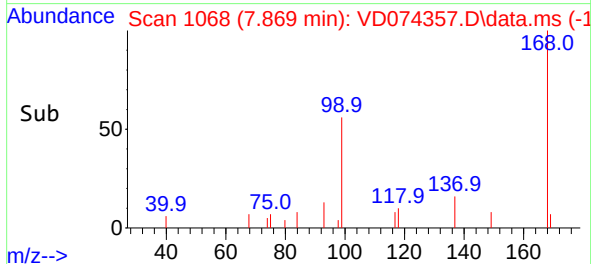
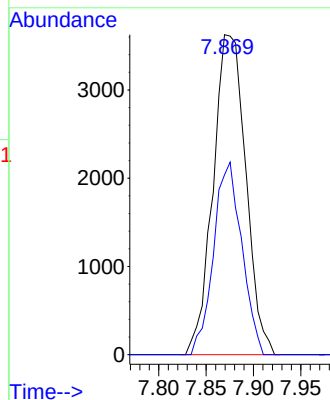
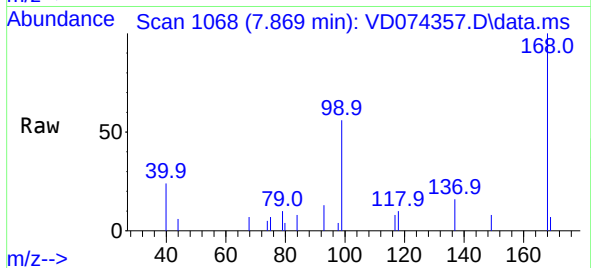




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

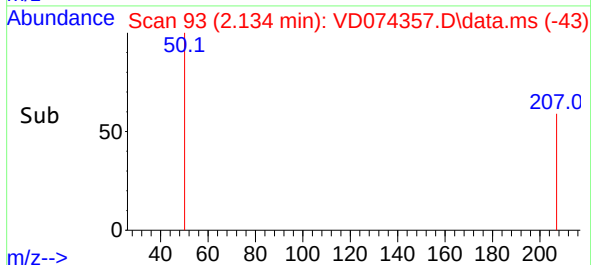
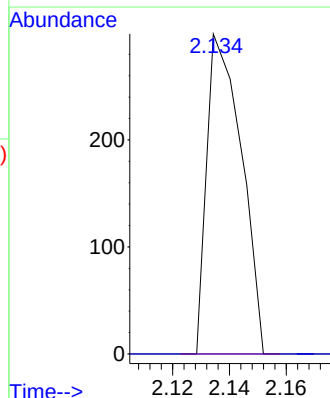
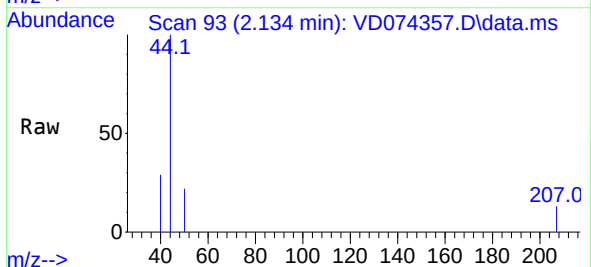
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

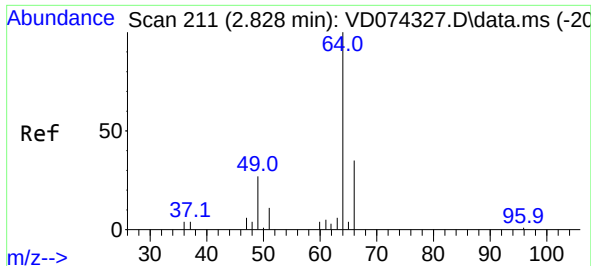
Tgt Ion:168 Resp: 8724
Ion Ratio Lower Upper
168 100
99 56.2 43.0 64.6



#3
Chloromethane
Concen: 3.297 ug/l
RT: 2.134 min Scan# 93
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 50 Resp: 252
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

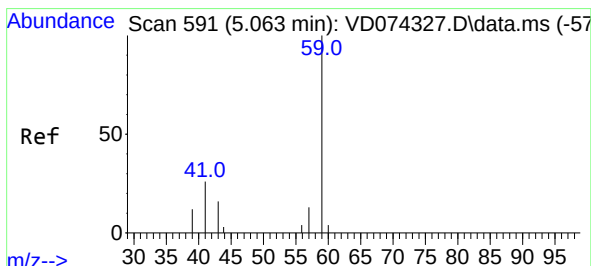
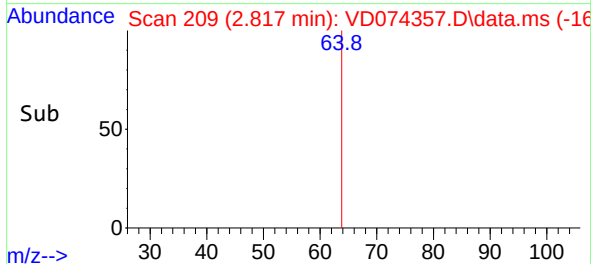
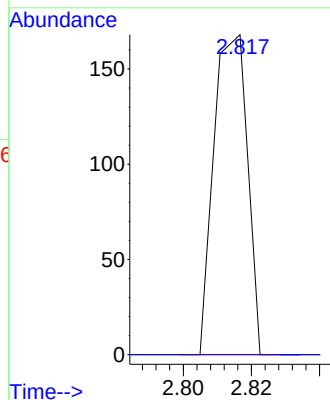
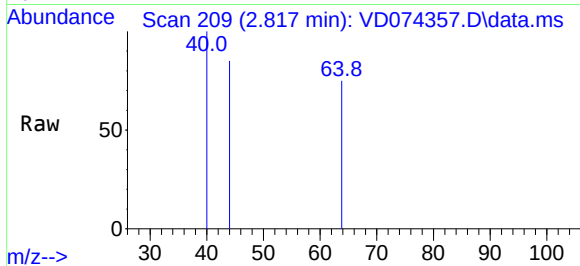




#6
Chloroethane
Concen: 2.610 ug/l
RT: 2.817 min Scan# 209
Delta R.T. -0.011 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

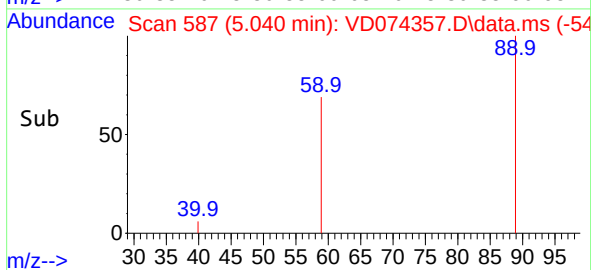
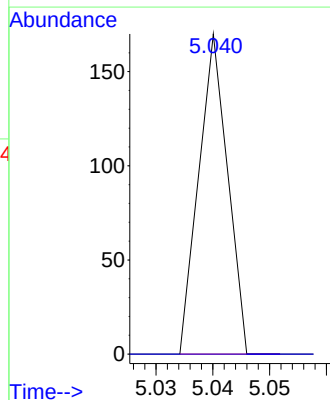
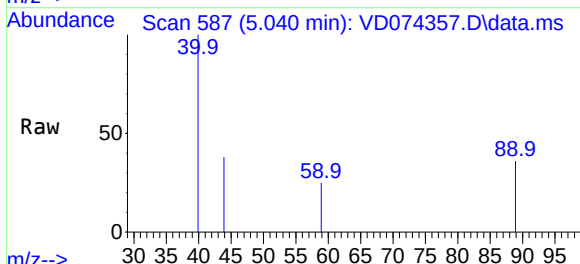
Instrument : MSVOA_D
ClientSampleId : HR-02-091522

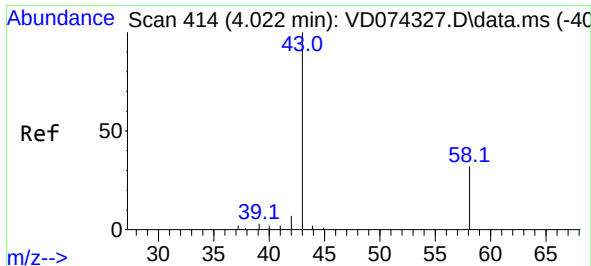
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#11
Tert butyl alcohol
Concen: 10.448 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.023 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

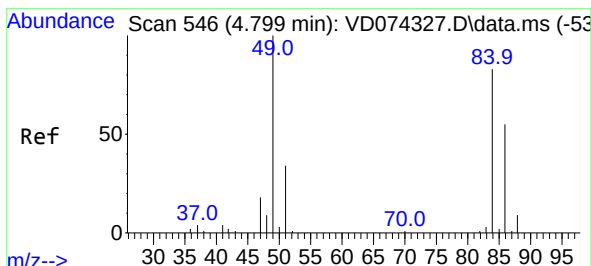
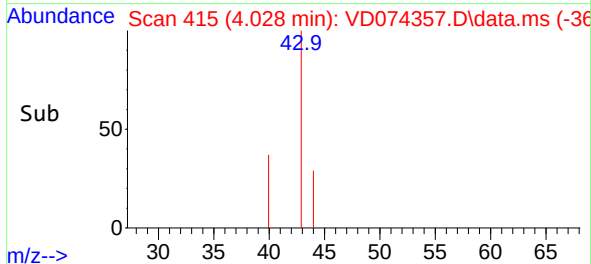
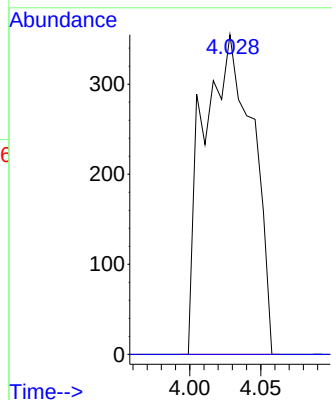
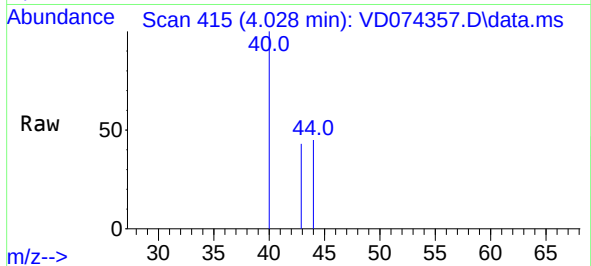




#16
Acetone
Concen: 44.819 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

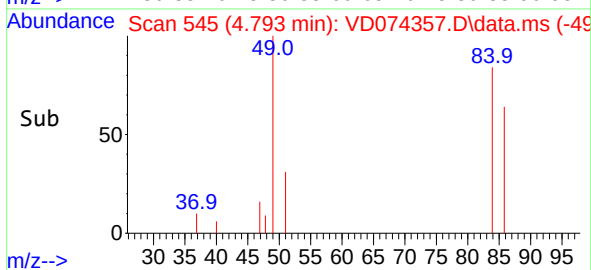
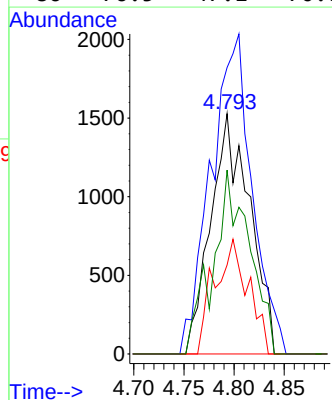
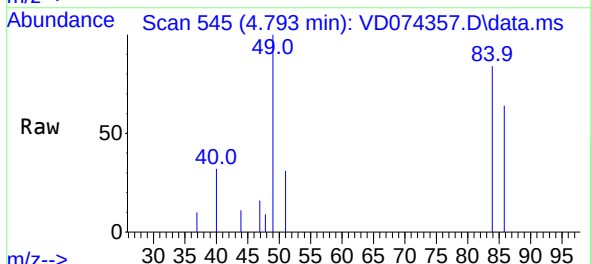
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

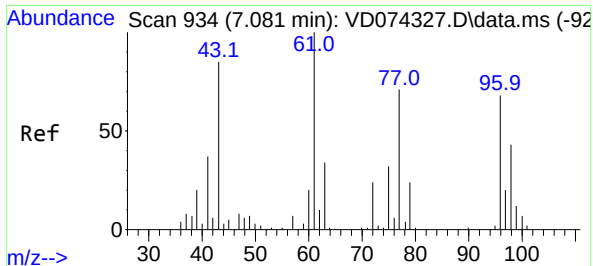
Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 31.318 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 84 Resp: 4139
Ion Ratio Lower Upper
84 100
49 119.2 88.4 132.6
51 37.0 28.0 42.0
86 76.5 47.1 70.7#

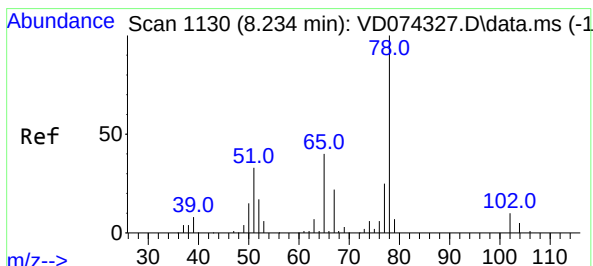
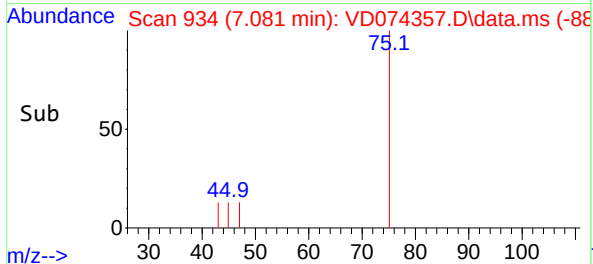
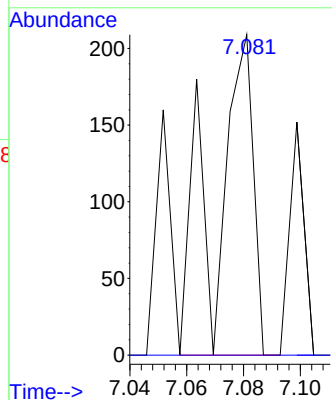
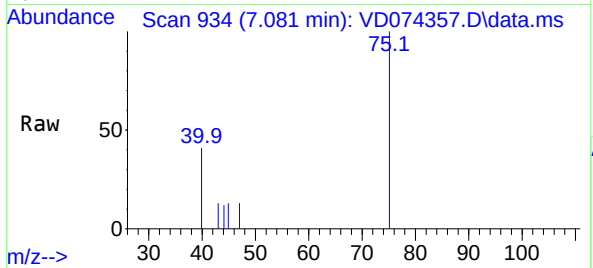




#25
2-Butanone
Concen: 6.769 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

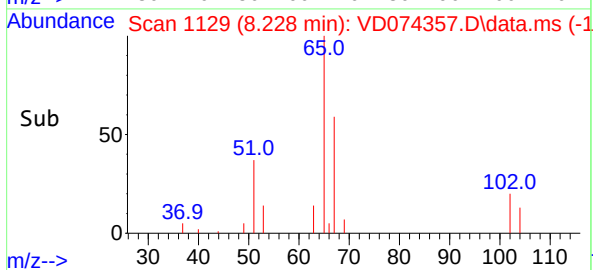
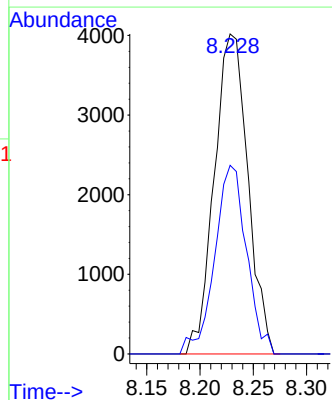
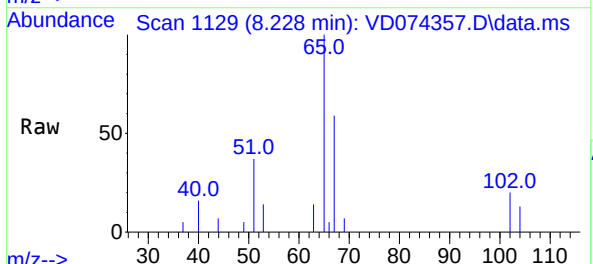
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

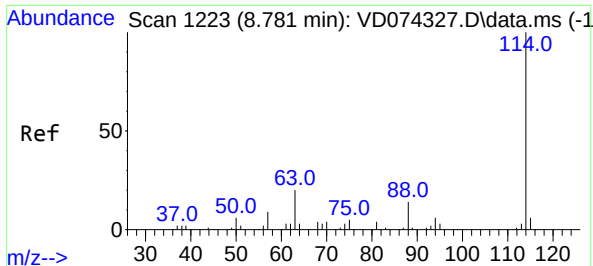
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#33
1,2-Dichloroethane-d4
Concen: 103.750 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 65 Resp: 8816
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074357.D

Acq: 19 Sep 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

HR-02-091522

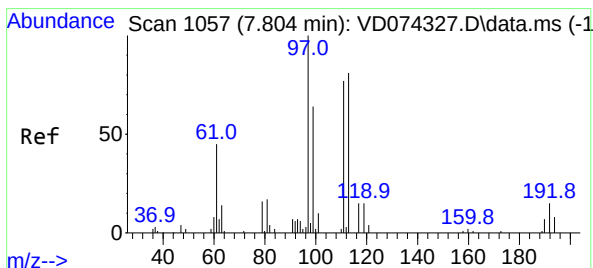
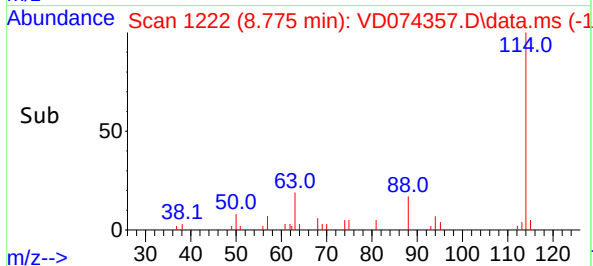
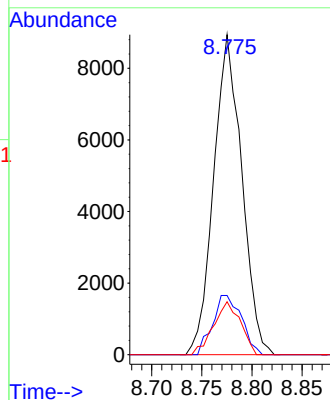
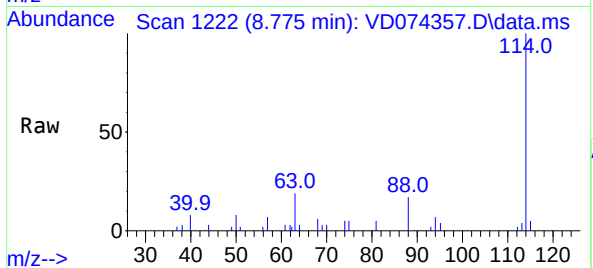
Tgt Ion:114 Resp: 17417

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.6

88 16.6 0.0 28.4



#35

Dibromofluoromethane

Concen: 58.469 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074357.D

Acq: 19 Sep 2022 20:23

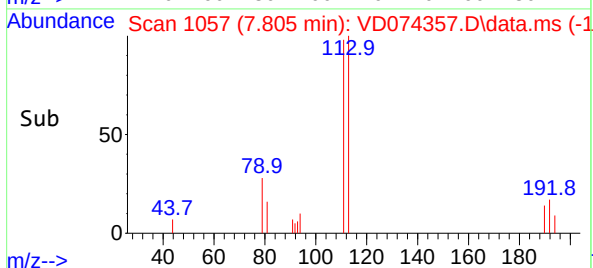
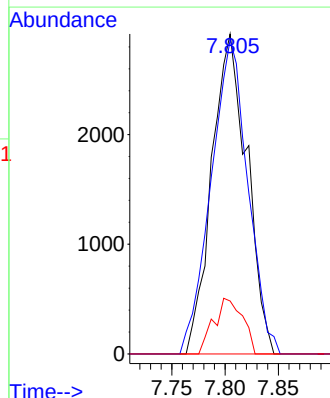
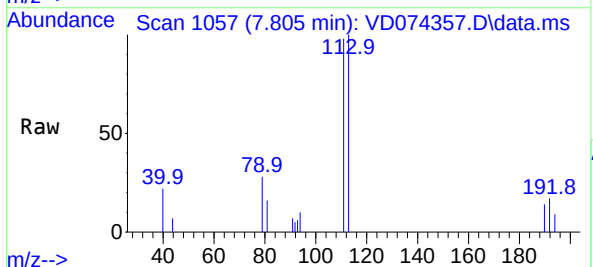
Tgt Ion:113 Resp: 6707

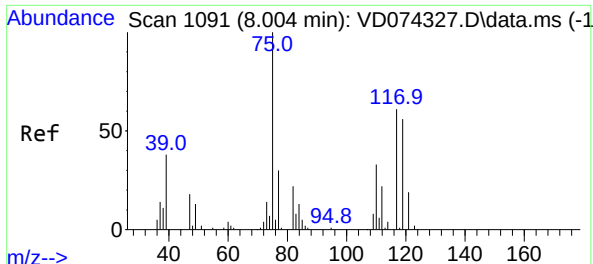
Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 14.2 16.2 24.2#

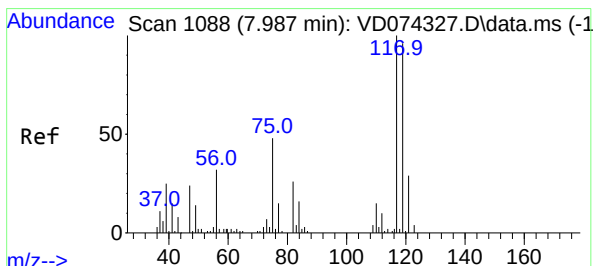
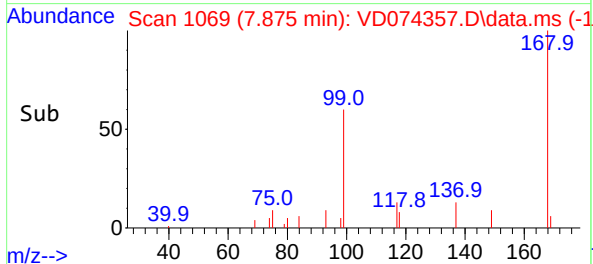
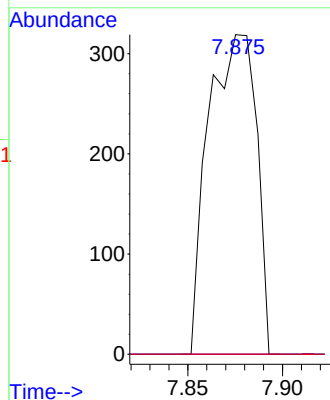
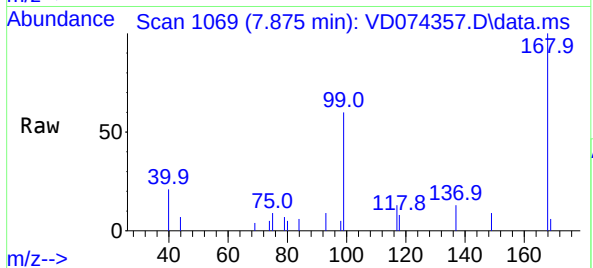




#36
1,1-Dichloropropene
Concen: 3.210 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

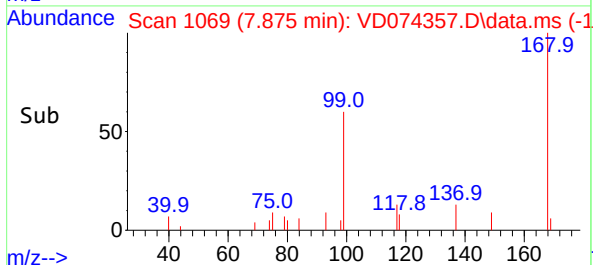
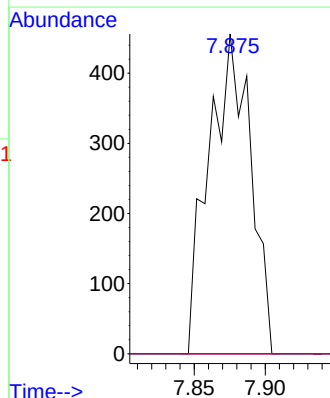
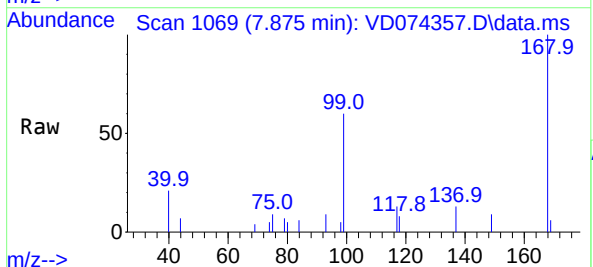
Instrument :
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HR-02-091522

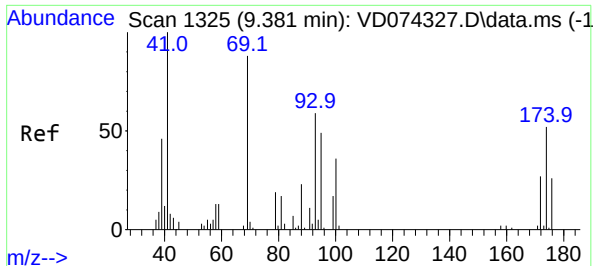
Tgt Ion: 75 Resp: 562
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.5#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 117 Resp: 928
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#

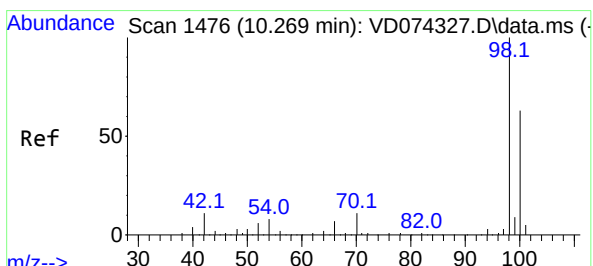
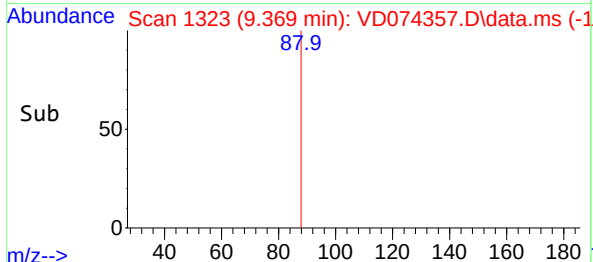
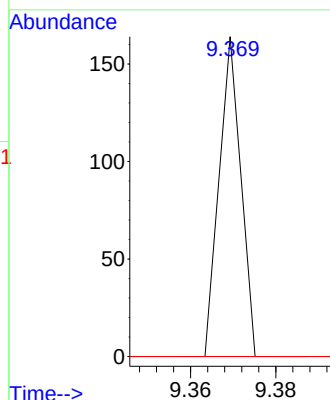
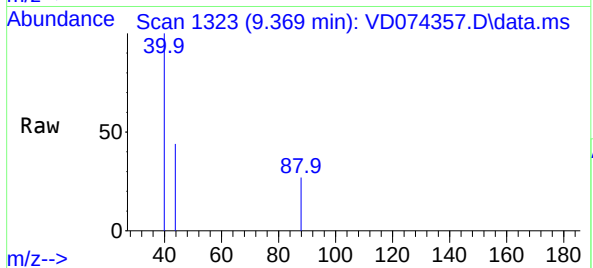




#49
1,4-Dioxane
Concen: 83.445 ug/l
RT: 9.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

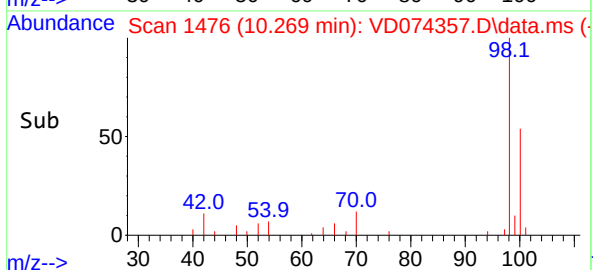
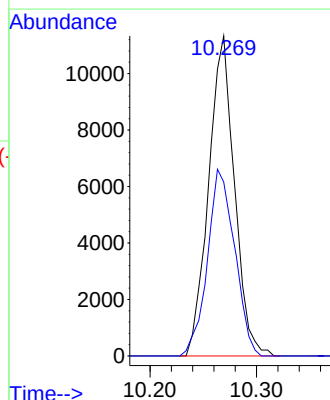
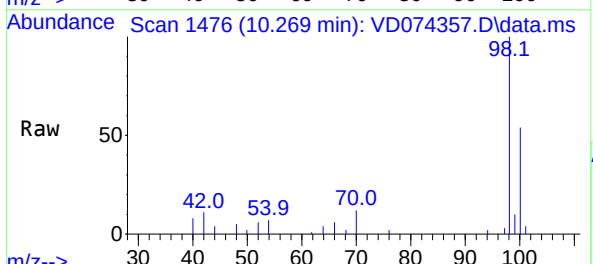
Instrument :
MSVOA_D
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HR-02-091522

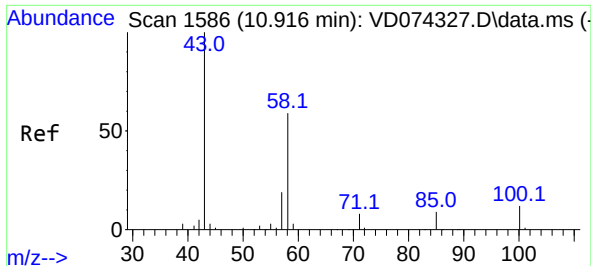
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 54.2 81.2#



#50
Toluene-d8
Concen: 48.221 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 98 Resp: 19086
Ion Ratio Lower Upper
98 100
100 61.6 51.8 77.8

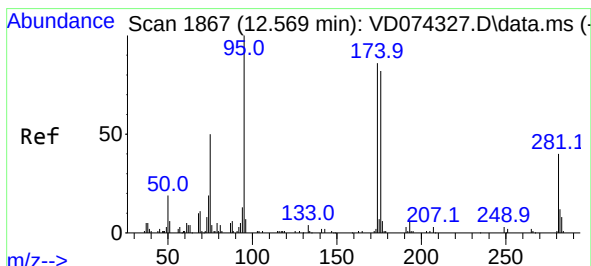
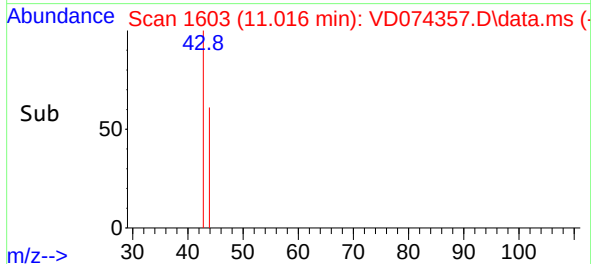
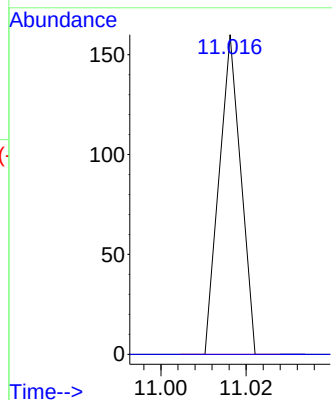
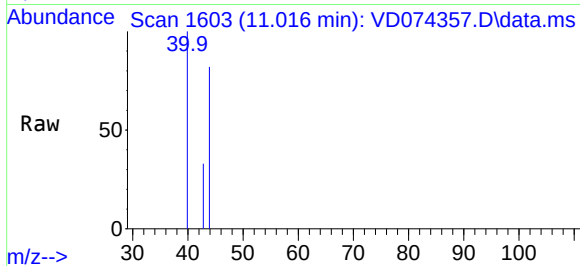




#59
2-Hexanone
Concen: 1.177 ug/l
RT: 11.016 min Scan# 1100
Delta R.T. 0.100 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

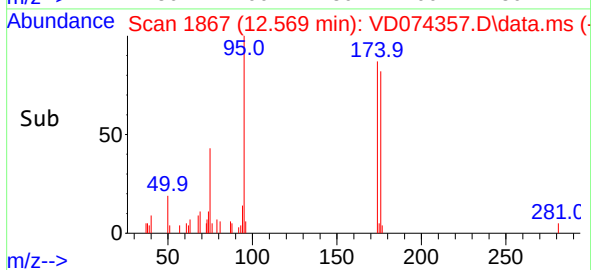
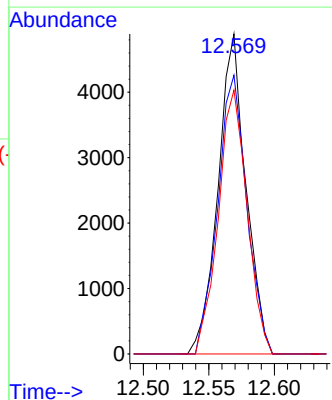
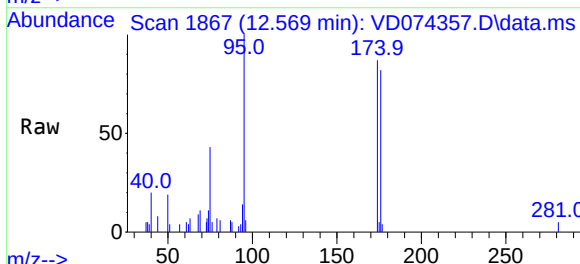
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

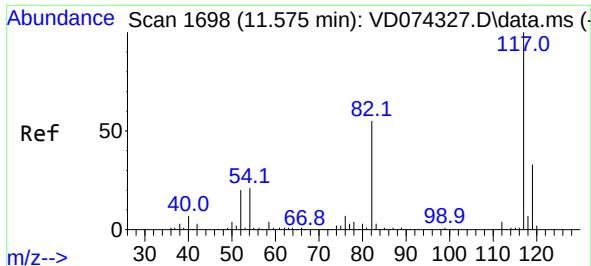
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 54.386 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 95 Resp: 7228
Ion Ratio Lower Upper
95 100
174 91.1 0.0 179.2
176 85.0 0.0 171.4

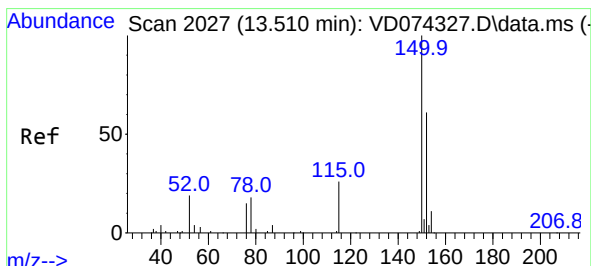
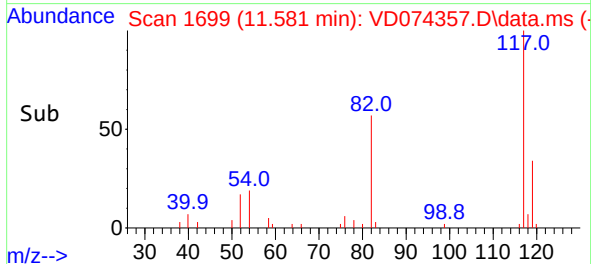
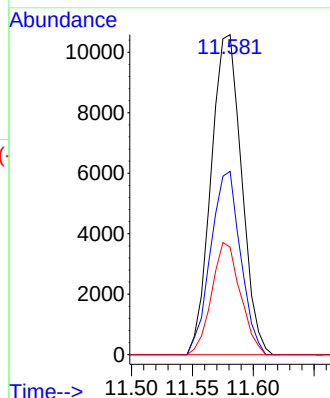
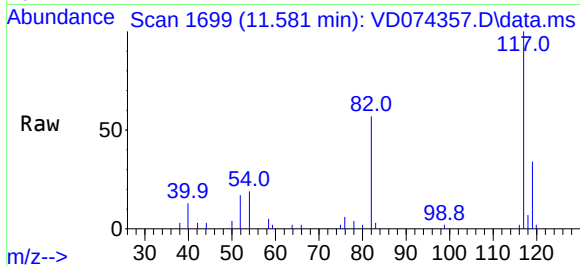




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

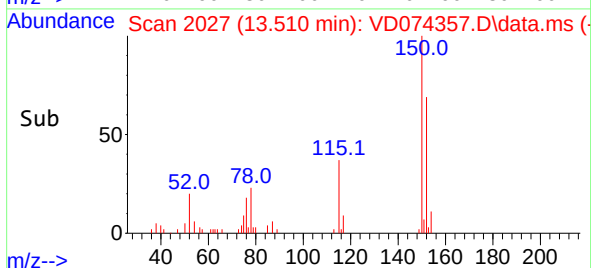
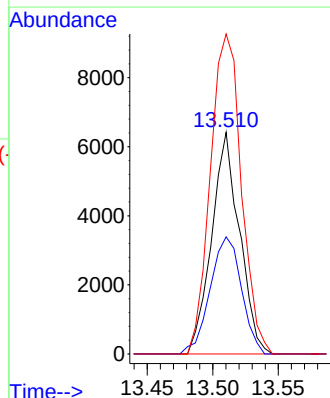
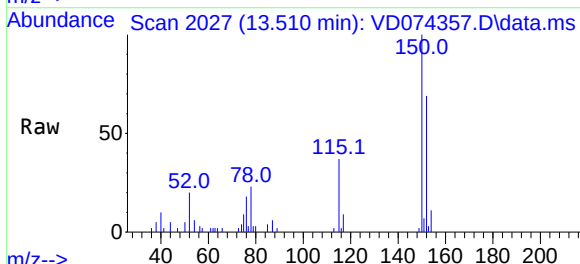
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

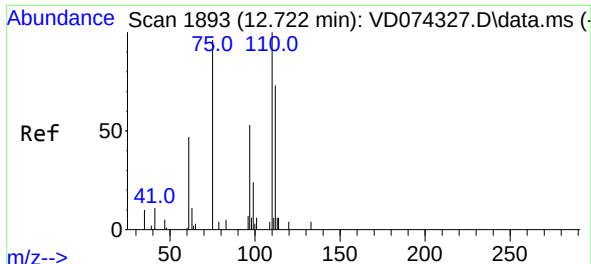
Tgt Ion:	117	Resp:	18457
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.2	66.2
119	33.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion:	152	Resp:	9476
Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.4	85.2
150	160.6	0.0	351.0

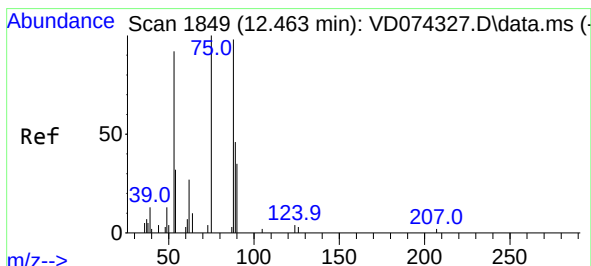
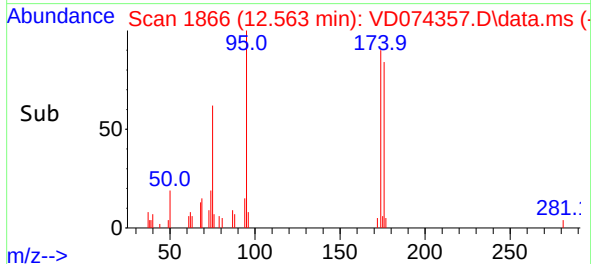
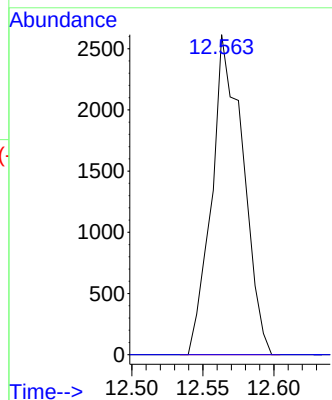
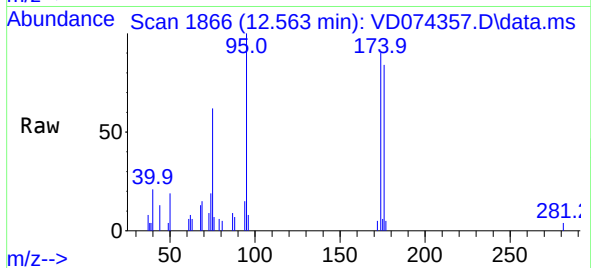




#76
1,2,3-Trichloropropane
Concen: 45.783 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.159 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

Tgt Ion: 75 Resp: 4014
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 114.744 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.100 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 75 Resp: 4014
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

