

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071548.D
 Acq On : 30 Dec 2021 14:46
 Operator : VA/SY
 Sample : M5238-01RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-122321

Quant Time: Dec 30 15:33:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

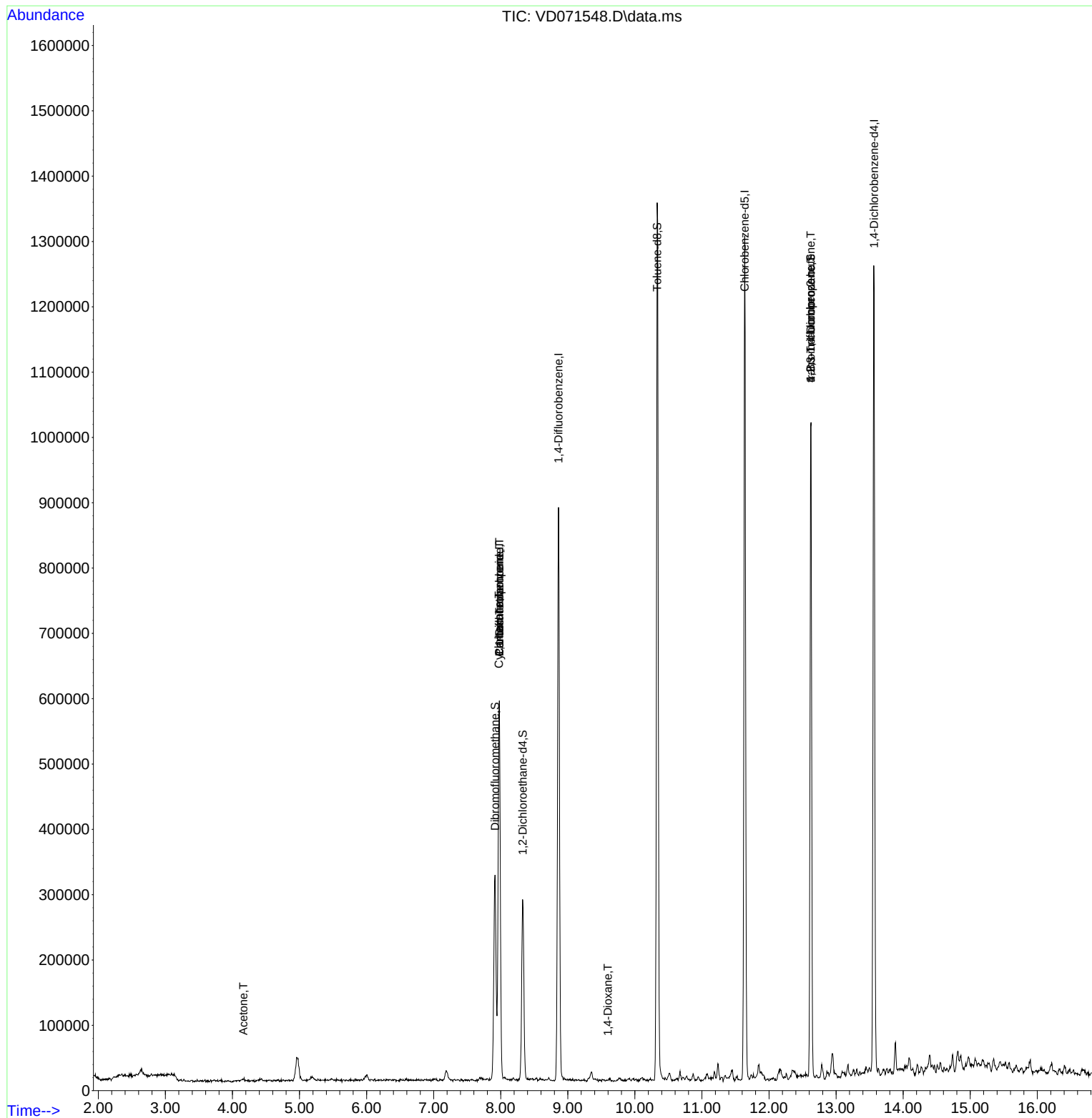
Internal Standards						
1) Pentafluorobenzene	7.979	168	400829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	693559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	672431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	308035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220795	41.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.960%
35) Dibromofluoromethane	7.914	113	214345	45.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.960%
50) Toluene-d8	10.332	98	867715	49.260	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.620	95	306488	48.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.167	59	3321	Below Cal	#	71
16) Acetone	4.162	43	3989	2.983	ug/l #	84
20) Methylene Chloride	4.956	84	26245	Below Cal		92
31) Cyclohexane	7.973	56	13057	1.444	ug/l #	40
36) 1,1-Dichloropropene	7.979	75	38594	5.182	ug/l #	48
38) Carbon Tetrachloride	7.979	117	42595	5.797	ug/l #	17
49) 1,4-Dioxane	9.597	88	56	1.727	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	174735	47.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	174735	134.896	ug/l #	18

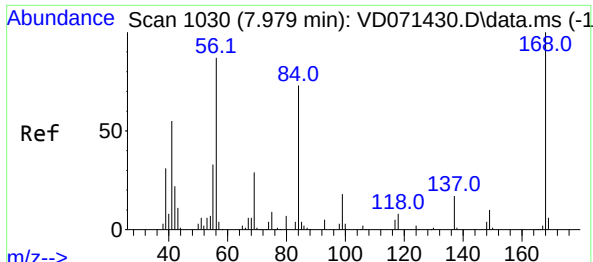
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.06G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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OK-02-122321

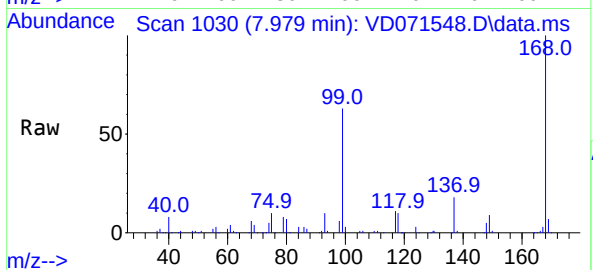
Quant Time: Dec 30 15:33:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration



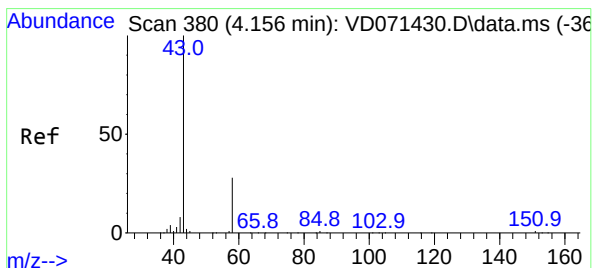
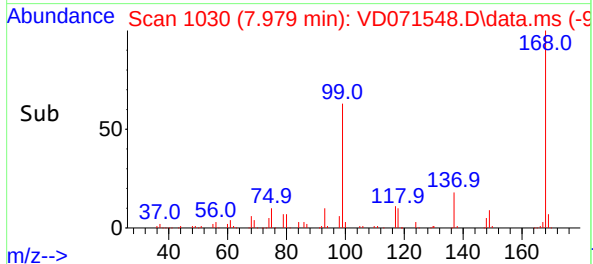
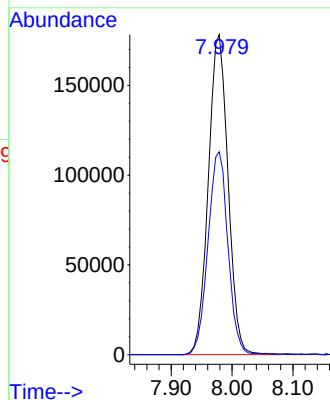


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Instrument :
MSVOA_D
ClientSampleId :
OK-02-122321

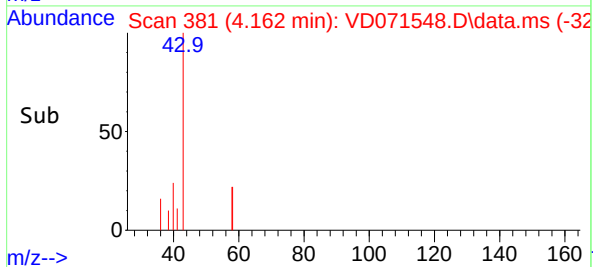
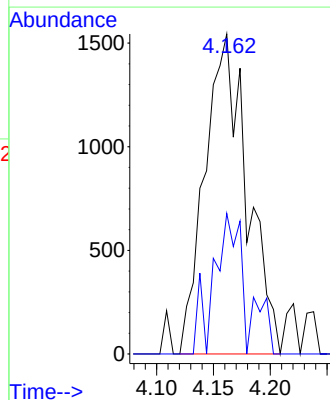
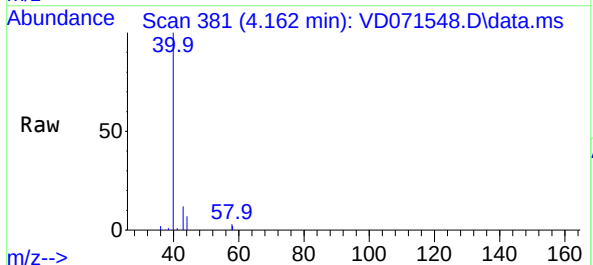


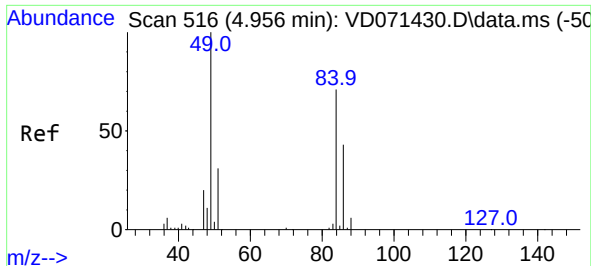
Tgt Ion:168 Resp: 400829
Ion Ratio Lower Upper
168 100
99 63.4 46.6 69.8



#16
Acetone
Concen: 2.983 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
58 43.9 27.8 41.8#

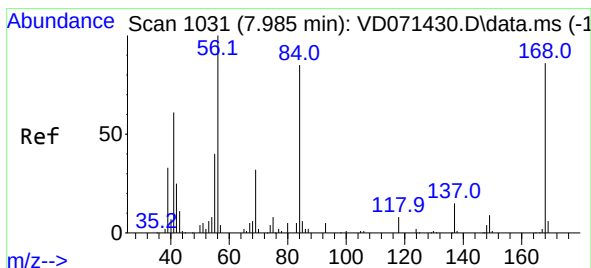
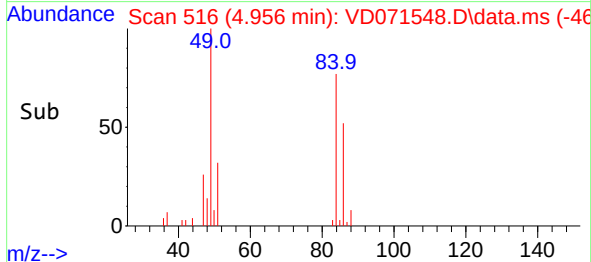
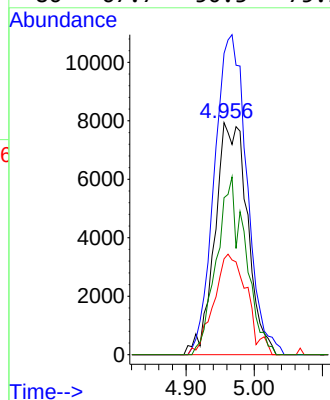
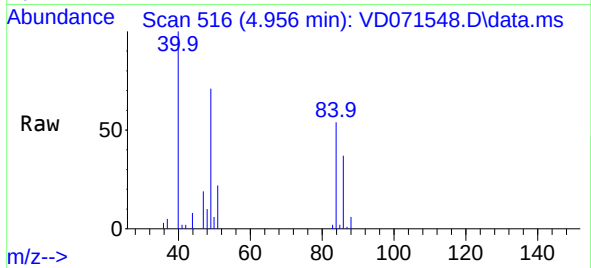




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

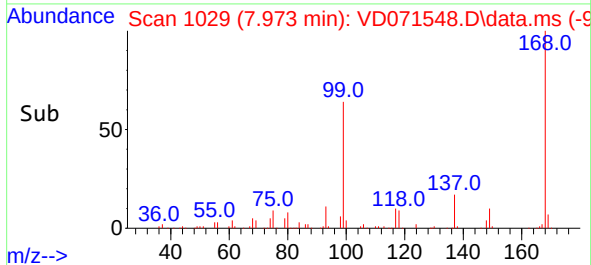
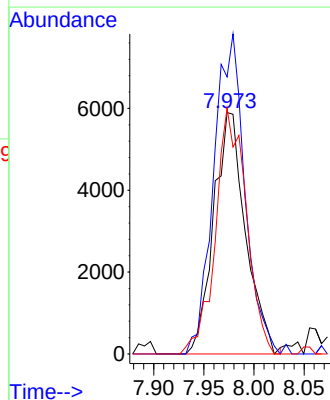
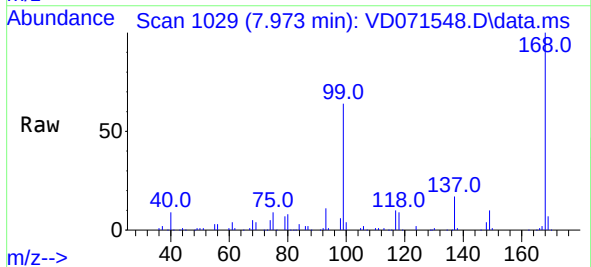
Instrument :
MSVOA_D
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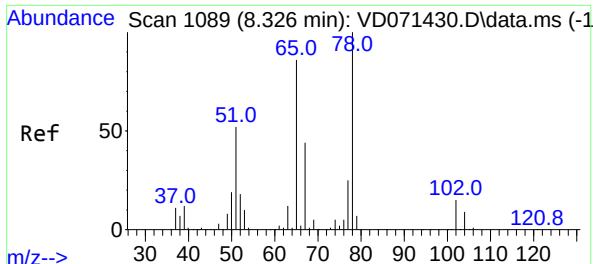
Tgt Ion:	84	Resp:	26245
Ion	Ratio	Lower	Upper
84	100		
49	129.9	95.8	143.6
51	41.3	30.9	46.3
86	67.7	50.3	75.5



#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion:	56	Resp:	13057
Ion	Ratio	Lower	Upper
56	100		
69	114.8	25.9	38.9#
84	101.9	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 41.477 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071548.D

Acq: 30 Dec 2021 14:46

Instrument :

MSVOA_D

ClientSampleId :

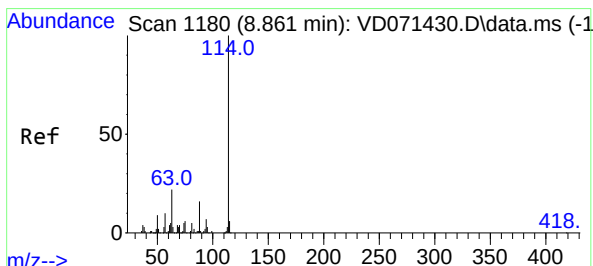
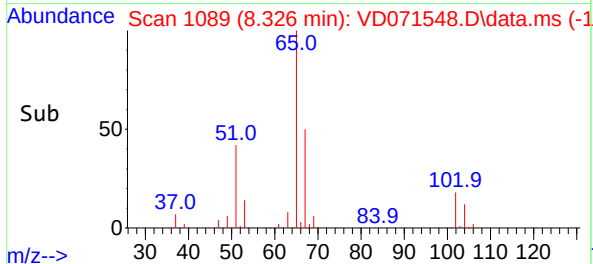
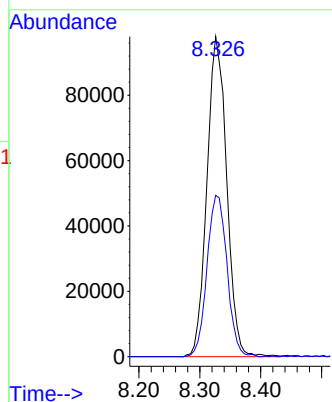
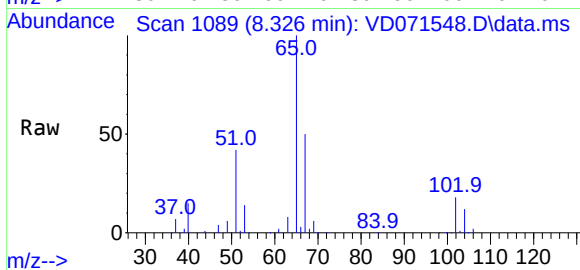
OK-02-122321

Tgt Ion: 65 Resp: 220795

Ion Ratio Lower Upper

65 100

67 51.1 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071548.D

Acq: 30 Dec 2021 14:46

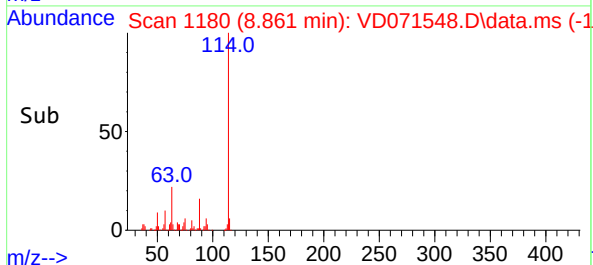
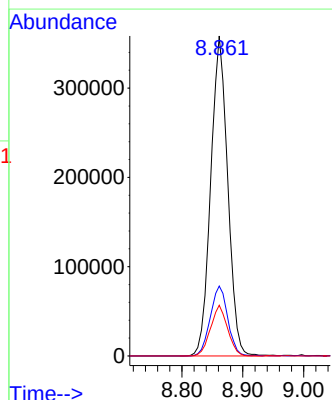
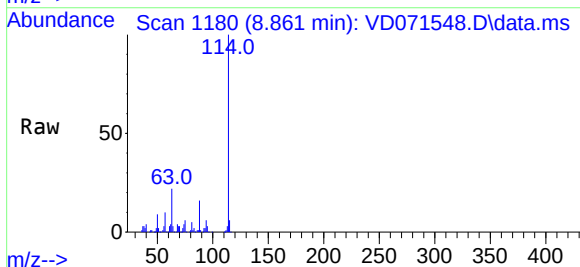
Tgt Ion: 114 Resp: 693559

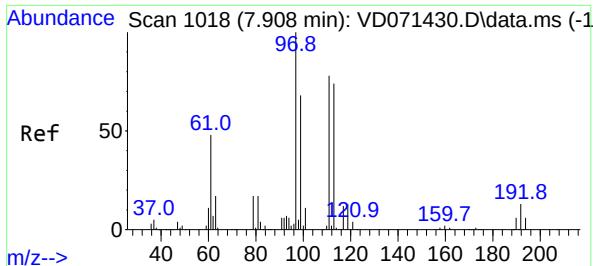
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.9 0.0 32.8

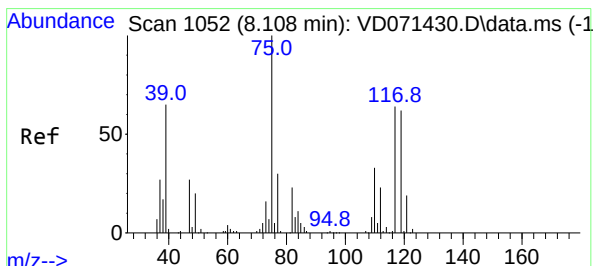
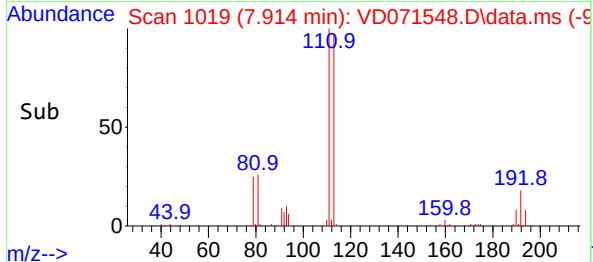
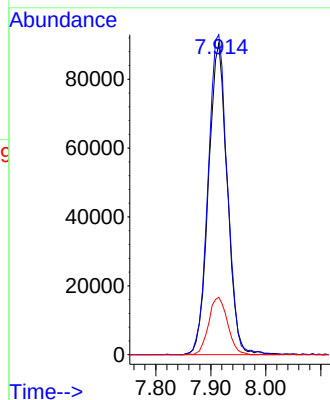
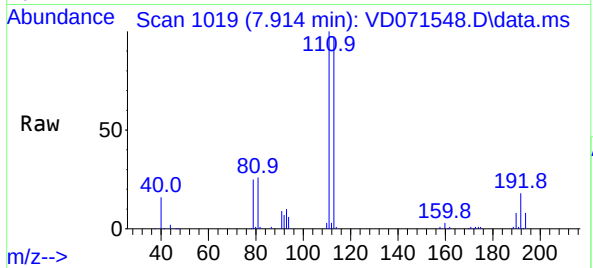




#35
Dibromofluoromethane
Concen: 45.984 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

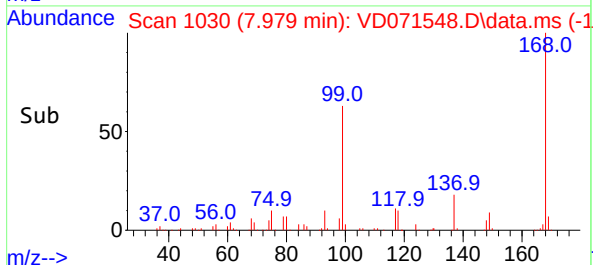
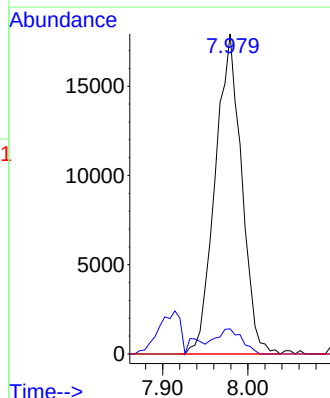
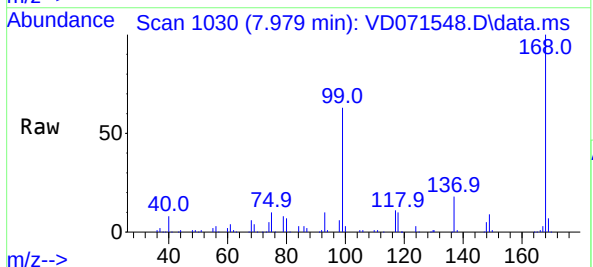
Instrument :
MSVOA_D
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OK-02-122321

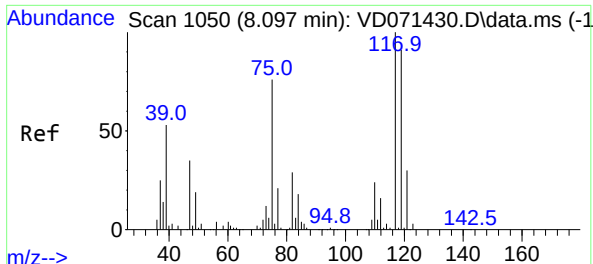
Tgt Ion:113 Resp: 214345
Ion Ratio Lower Upper
113 100
111 105.1 82.0 123.0
192 18.5 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.182 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion: 75 Resp: 38594
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.4#
77 0.0 24.8 37.2#

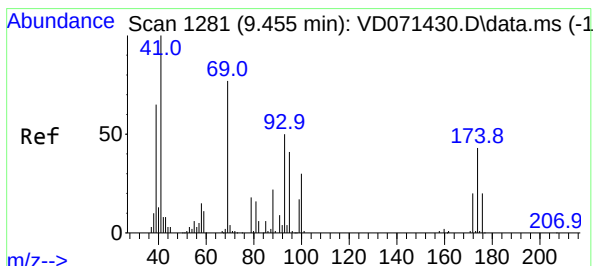
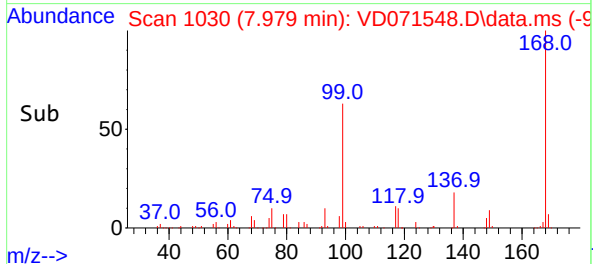
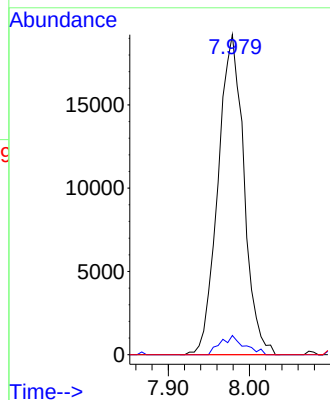
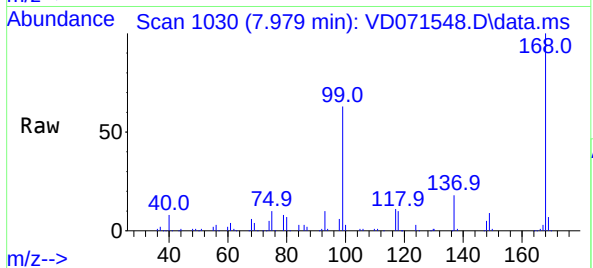




#38
Carbon Tetrachloride
Concen: 5.797 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

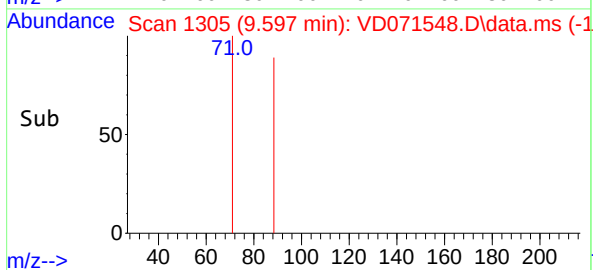
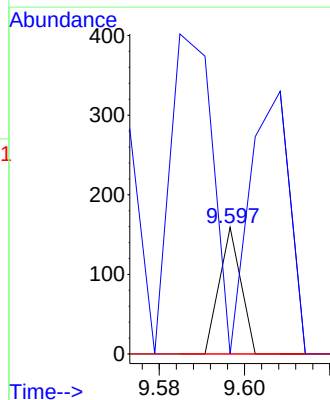
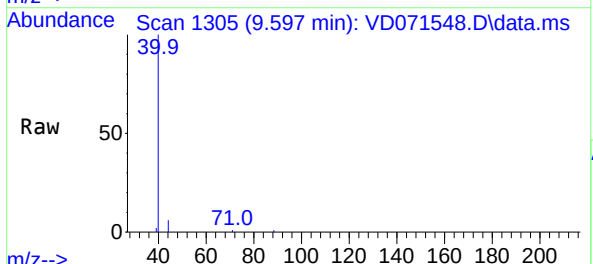
Instrument :
MSVOA_D
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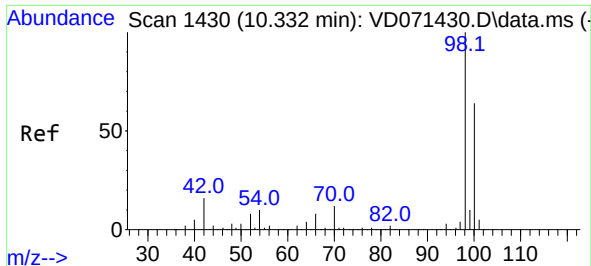
Tgt Ion:117 Resp: 42595
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 1.727 ug/l
RT: 9.597 min Scan# 1305
Delta R.T. 0.142 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 380.4 28.9 43.3#
58 0.0 56.3 84.5#

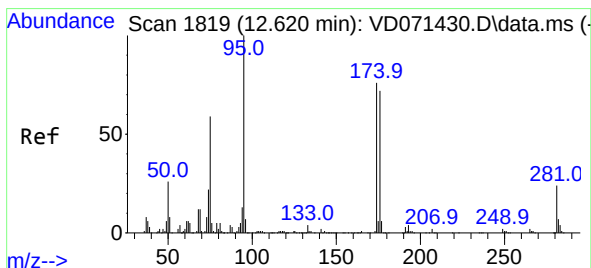
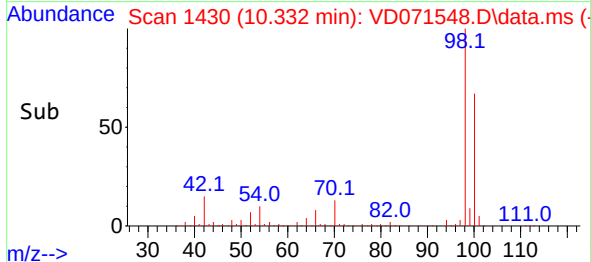
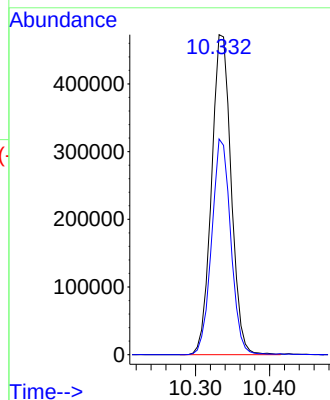
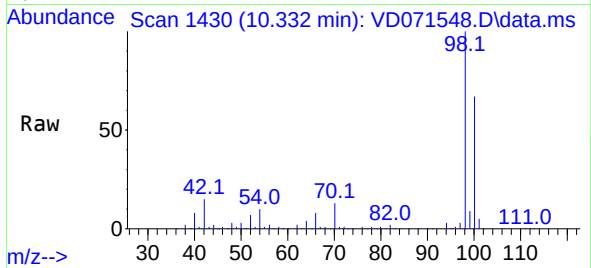




#50
Toluene-d8
Concen: 49.260 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

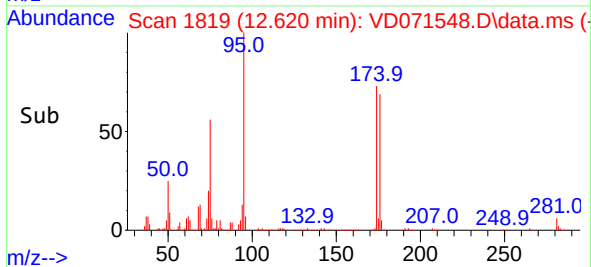
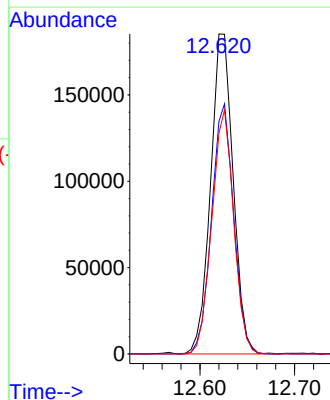
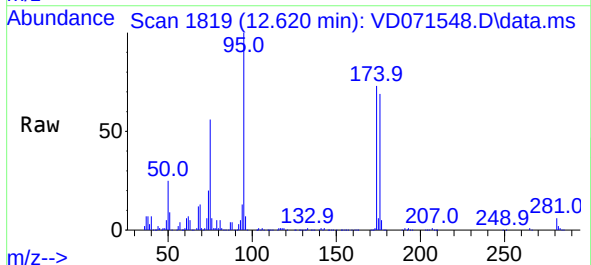
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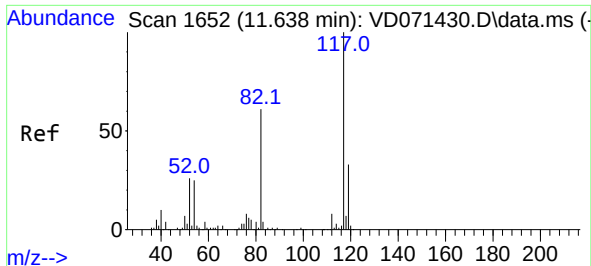
Tgt Ion: 98 Resp: 867715
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 48.964 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion: 95 Resp: 306488
Ion Ratio Lower Upper
95 100
174 76.8 0.0 159.4
176 73.9 0.0 154.0

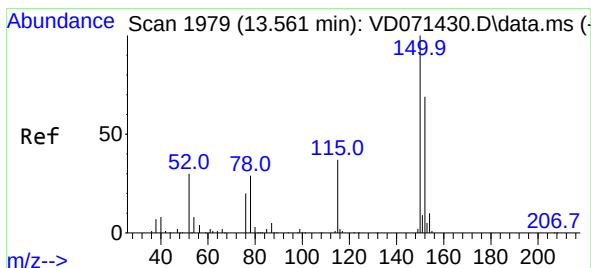
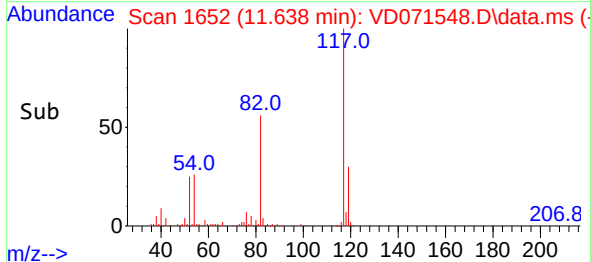
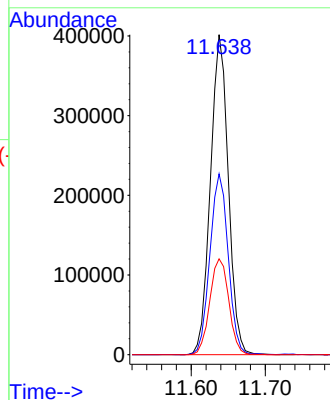
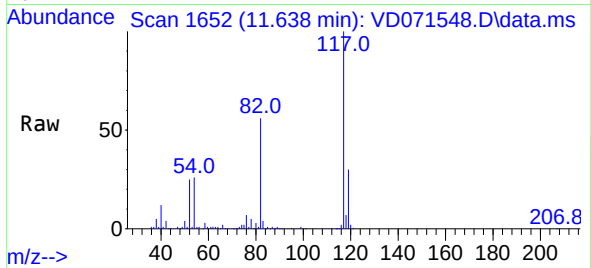




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

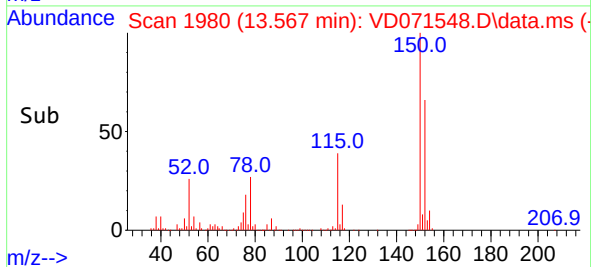
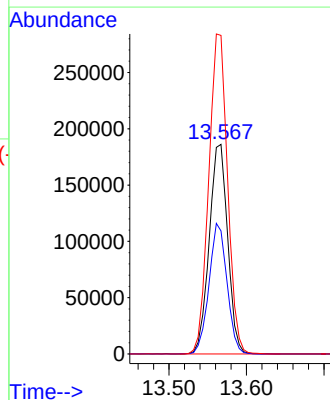
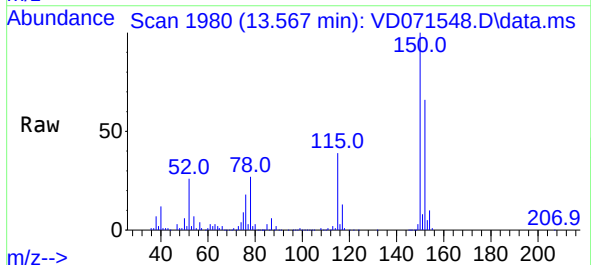
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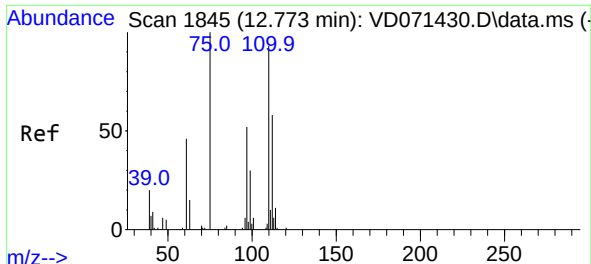
Tgt Ion:117 Resp: 672431
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 29.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion:152 Resp: 308035
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 155.2 0.0 349.2

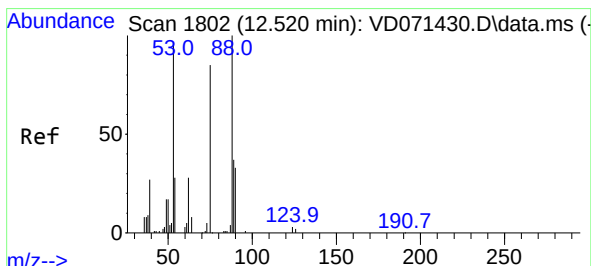
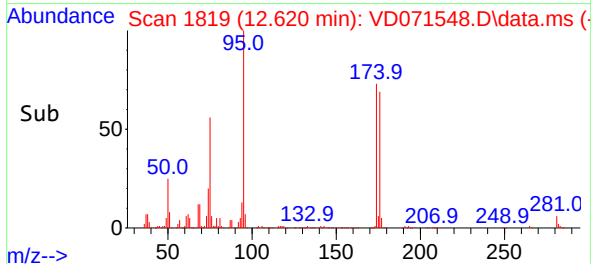
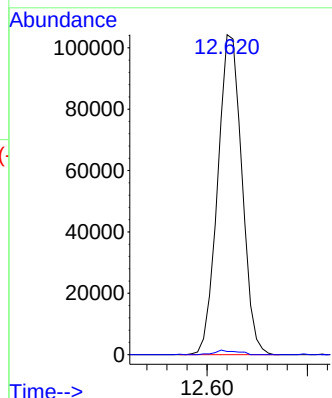
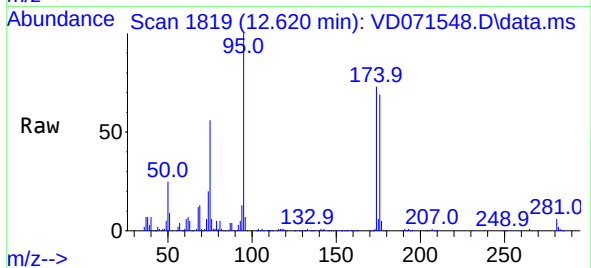




#76
1,2,3-Trichloropropane
Concen: 47.742 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Instrument :
MSVOA_D
ClientSampleId :
OK-02-122321

Tgt Ion: 75 Resp: 174735
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.896 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071548.D
Acq: 30 Dec 2021 14:46

Tgt Ion: 75 Resp: 174735
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#

