

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071108.D
 Acq On : 01 Dec 2021 16:17
 Operator : VA/SY
 Sample : M4877-01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-2-120121

Quant Time: Dec 02 03:15:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

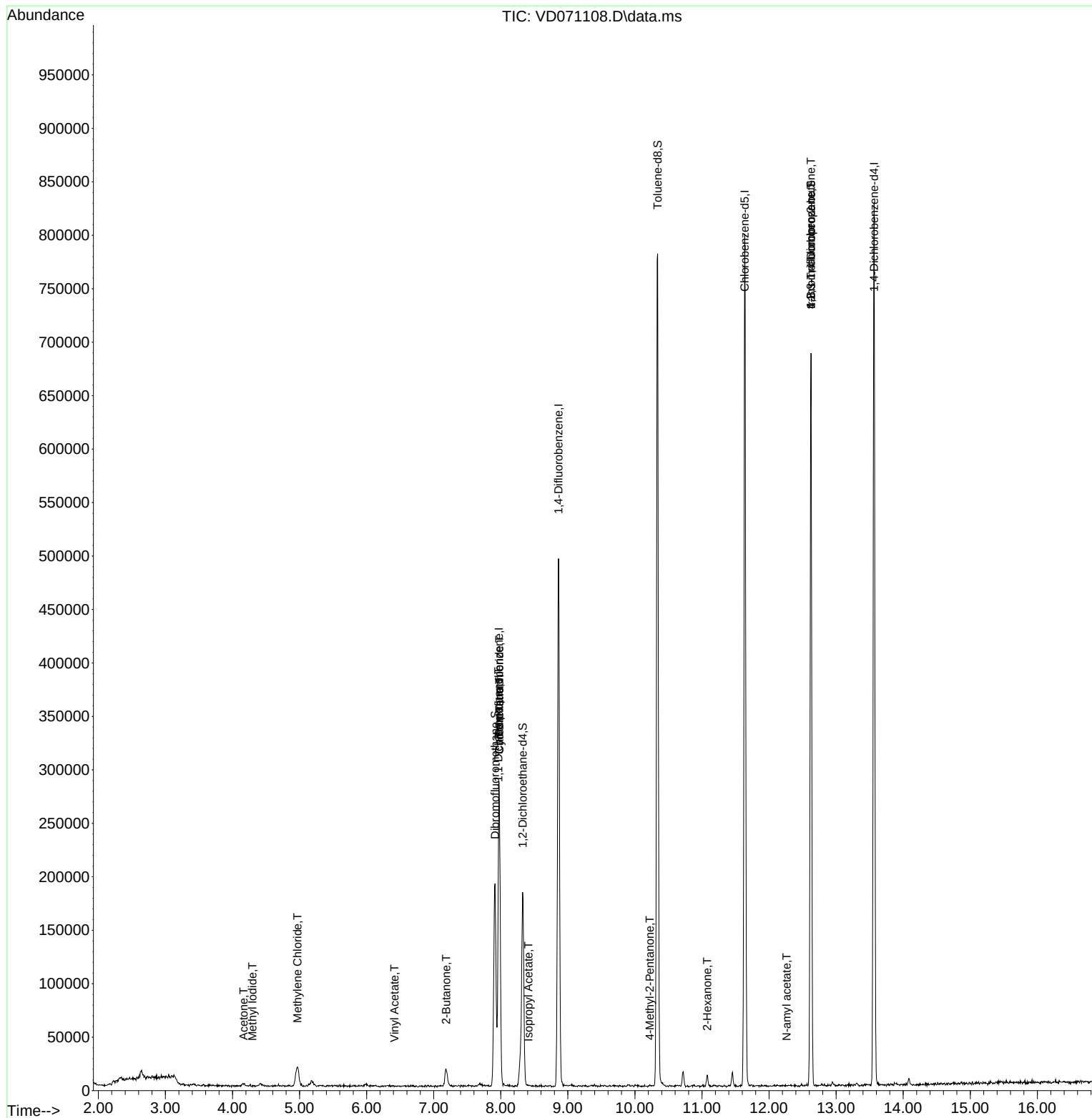
Internal Standards						
1) Pentafluorobenzene	7.973	168	201997	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	396952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	428447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	200845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138645	58.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.000%			
35) Dibromofluoromethane	7.914	113	134502	53.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.420%			
50) Toluene-d8	10.338	98	523546	54.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.860%			
62) 4-Bromofluorobenzene	12.626	95	208528	62.538	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.080%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	57	4.583	ug/l #	40
11) Tert butyl alcohol	5.185	59	3293	Below Cal	#	71
16) Acetone	4.167	43	3769	36.047	ug/l #	40
20) Methylene Chloride	4.967	84	13888	1.779	ug/l	92
23) Vinyl Acetate	6.414	43	58	27.232	ug/l #	72
25) 2-Butanone	7.185	43	664	29.169	ug/l #	45
31) Cyclohexane	7.979	56	5469	1.357	ug/l #	11
36) 1,1-Dichloropropene	7.967	75	19576	5.277	ug/l #	49
38) Carbon Tetrachloride	7.979	117	20635	5.642	ug/l #	17
41) Methacrylonitrile	7.520	41	149	Below Cal	#	12
43) Isopropyl Acetate	8.414	43	59	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	673	30.979	ug/l #	81
59) 2-Hexanone	11.079	43	197	34.699	ug/l	87
74) N-amyl acetate	12.261	43	84	5.720	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	114717	59.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	114717	129.800	ug/l #	18

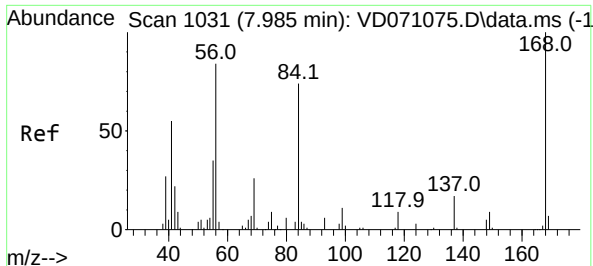
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 03:15:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

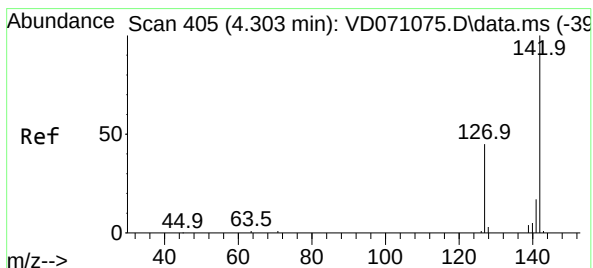
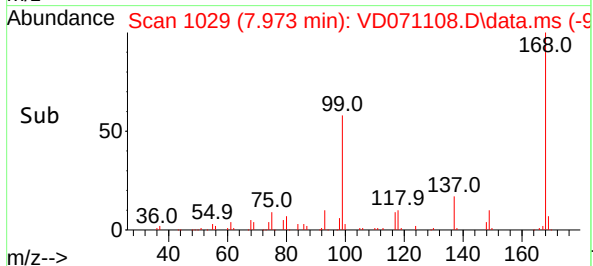
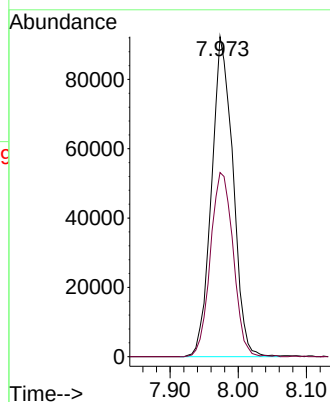
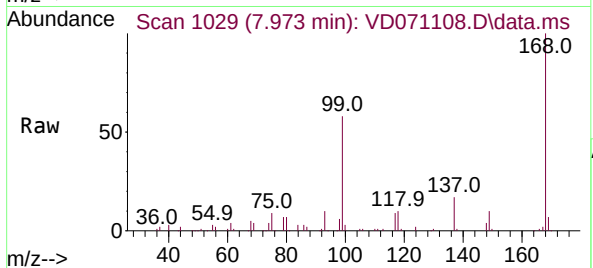




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

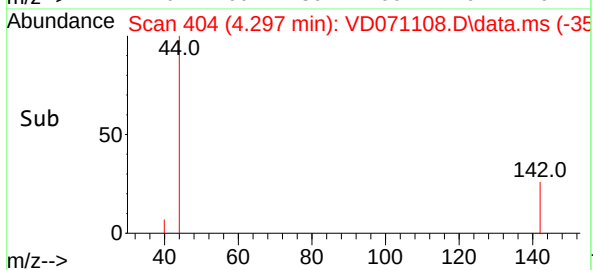
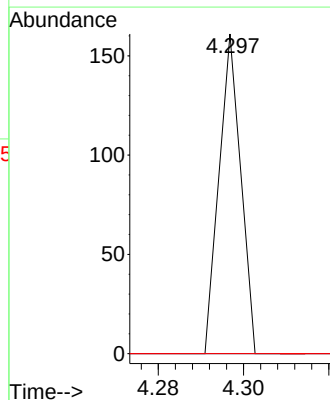
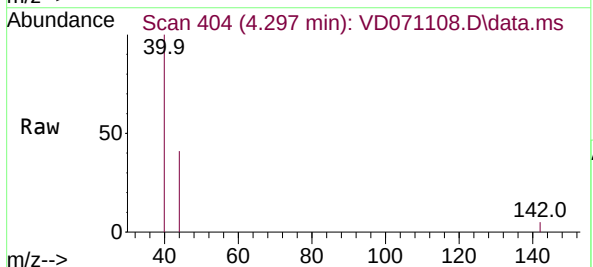
Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

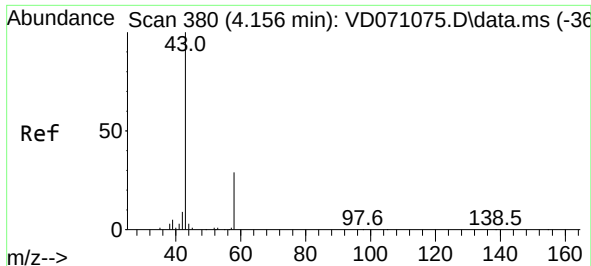
Tgt Ion:168 Resp: 201997
Ion Ratio Lower Upper
168 100
99 57.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.583 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

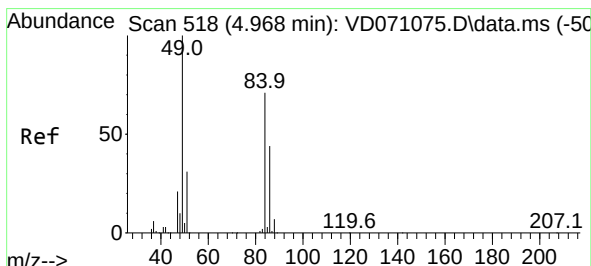
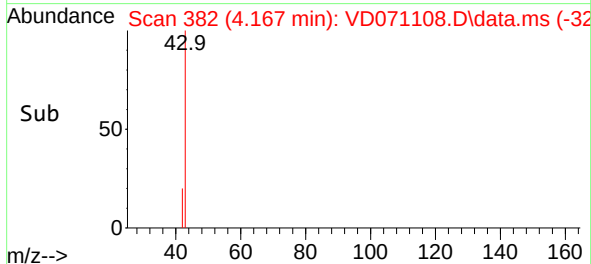
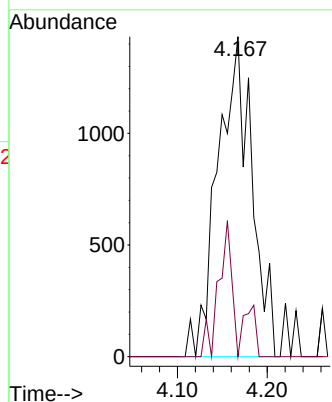
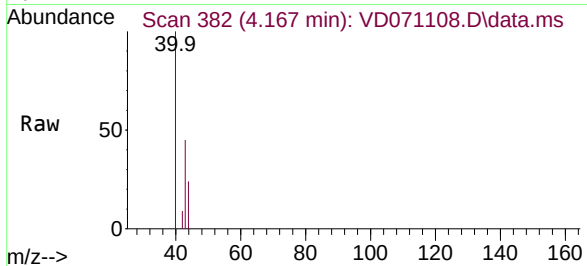




#16
Acetone
Concen: 36.047 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

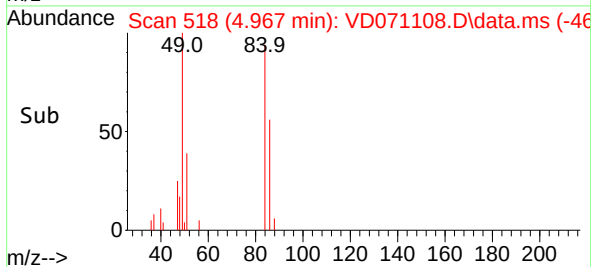
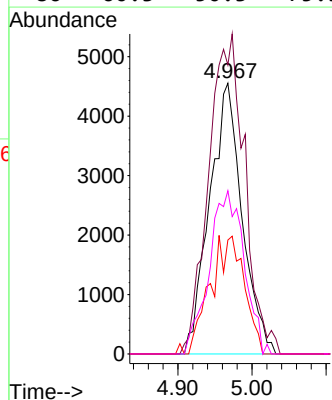
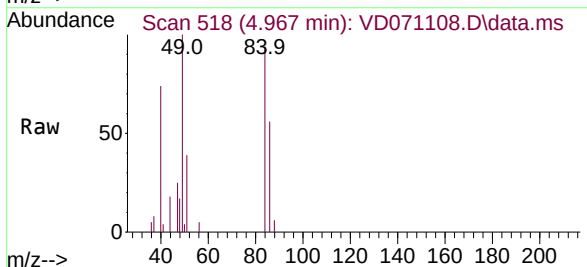
Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

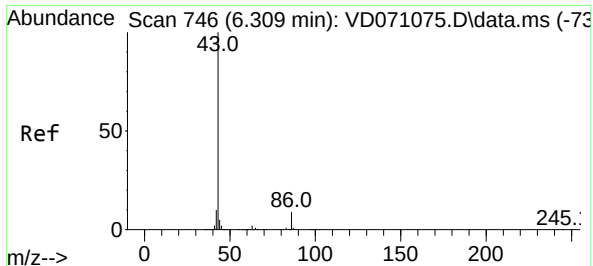
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.779 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion: 84 Resp: 13888
Ion Ratio Lower Upper
84 100
49 106.8 95.8 143.6
51 42.1 30.9 46.3
86 60.3 50.3 75.5

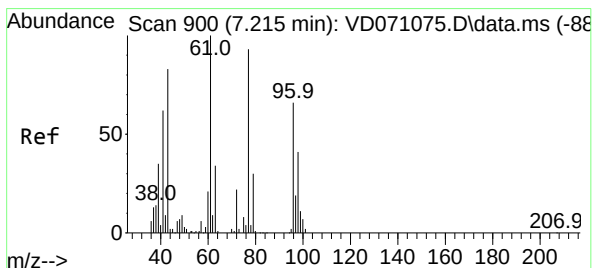
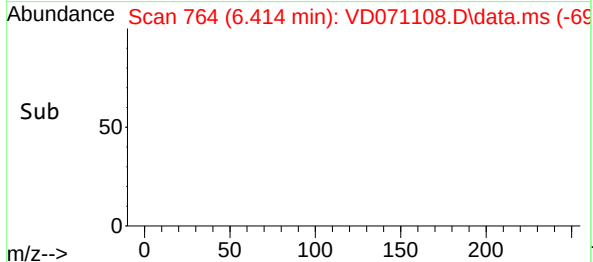
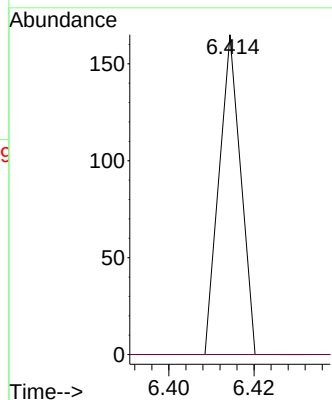
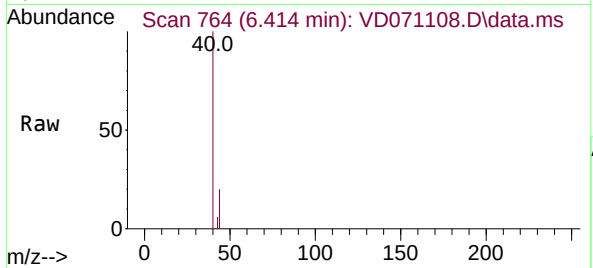




#23
 Vinyl Acetate
 Concen: 27.232 ug/l
 RT: 6.414 min Scan# 70
 Delta R.T. 0.105 min
 Lab File: VD071108.D
 Acq: 01 Dec 2021 16:17

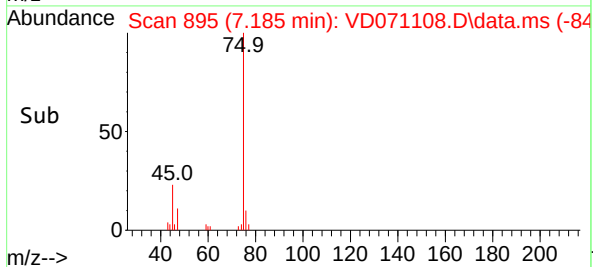
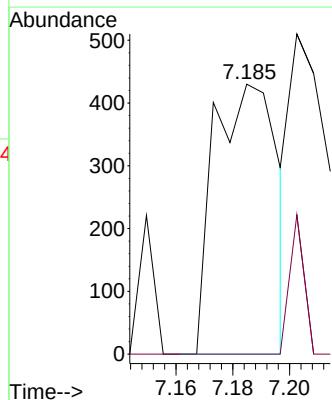
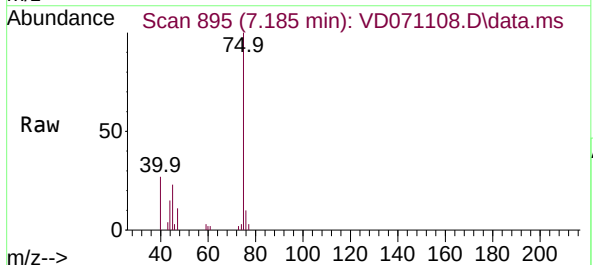
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-2-120121

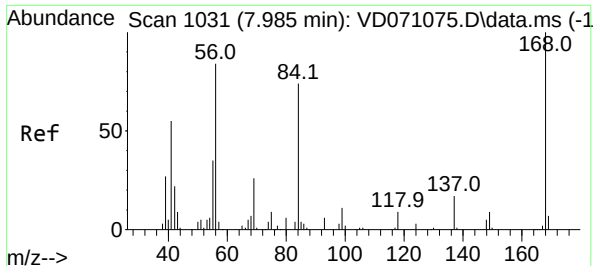
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.169 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071108.D
 Acq: 01 Dec 2021 16:17

Tgt Ion: 43 Resp: 664
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.357 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071108.D

Acq: 01 Dec 2021 16:17

Instrument :

MSVOA_D

ClientSampleId :

PL-2-120121

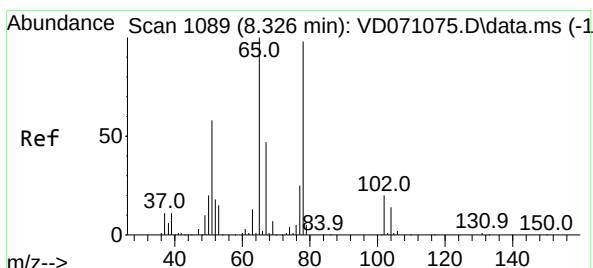
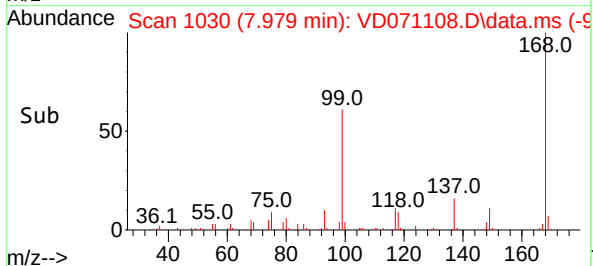
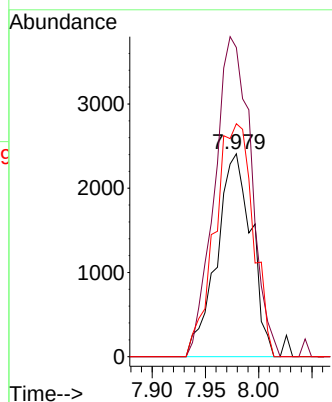
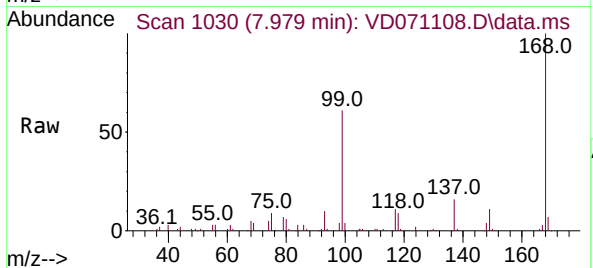
Tgt Ion: 56 Resp: 5469

Ion Ratio Lower Upper

56 100

69 152.3 25.9 38.9#

84 114.8 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 58.495 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071108.D

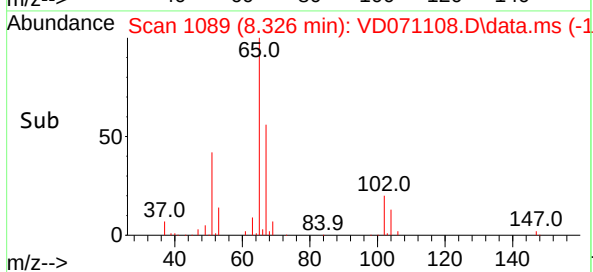
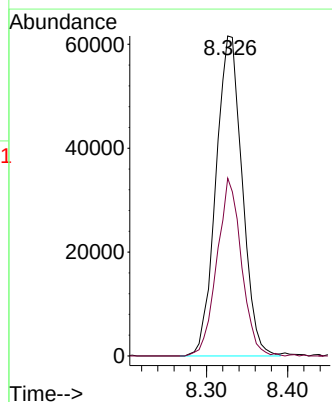
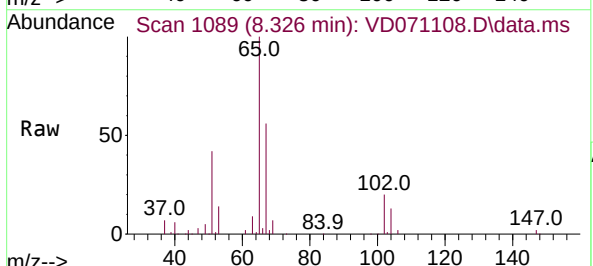
Acq: 01 Dec 2021 16:17

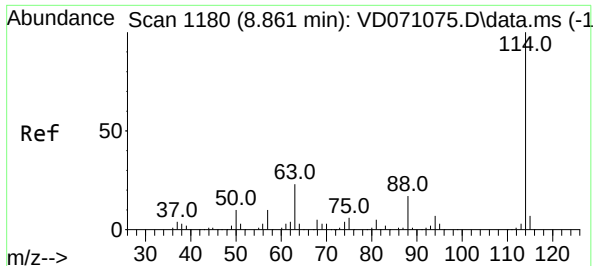
Tgt Ion: 65 Resp: 138645

Ion Ratio Lower Upper

65 100

67 51.8 0.0 112.2

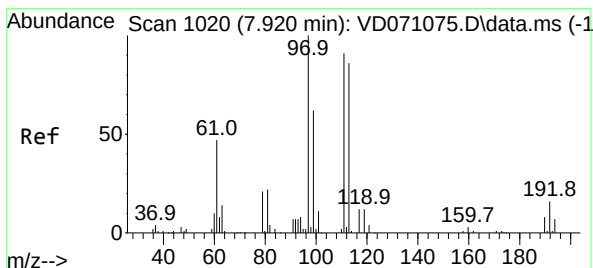
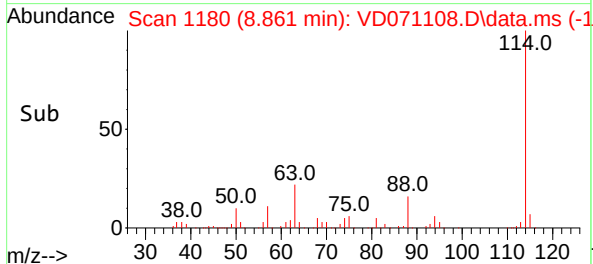
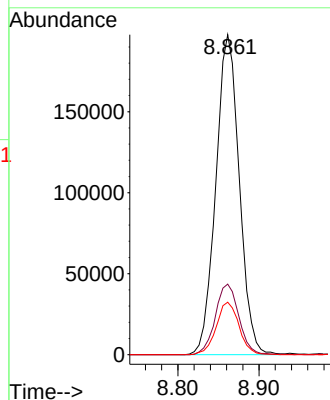
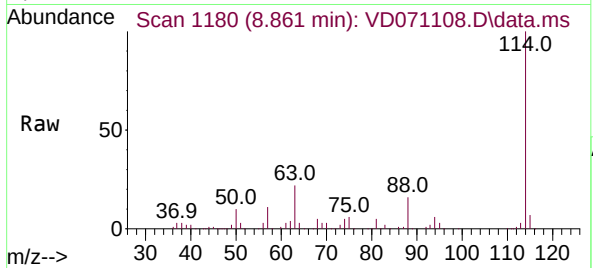




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

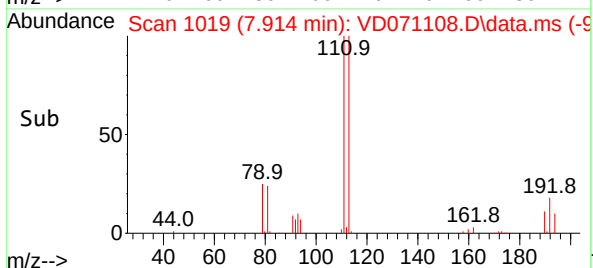
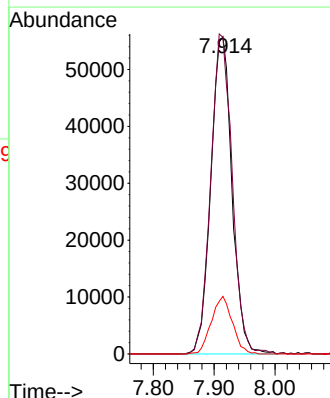
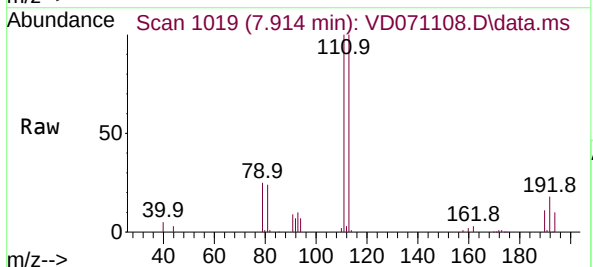
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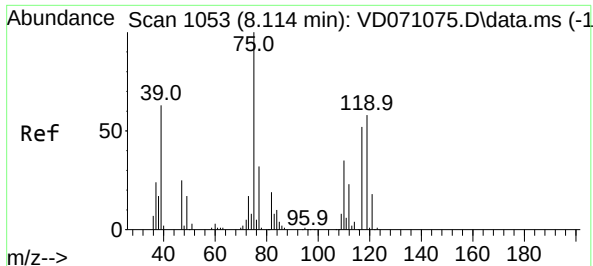
Tgt Ion:114 Resp: 396952
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.210 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion:113 Resp: 134502
Ion Ratio Lower Upper
113 100
111 102.4 82.0 123.0
192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.277 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071108.D

Acq: 01 Dec 2021 16:17

Instrument :

MSVOA_D

ClientSampleId :

PL-2-120121

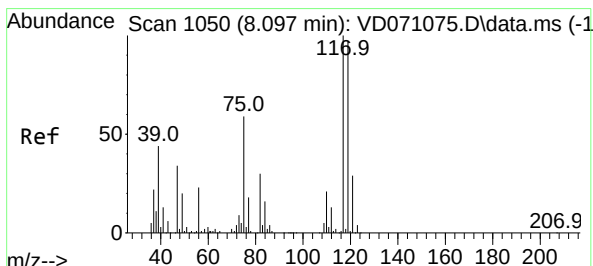
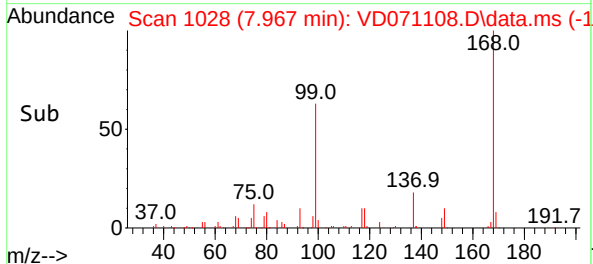
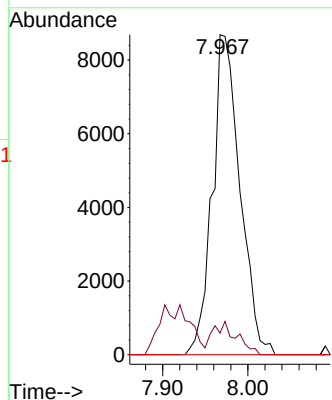
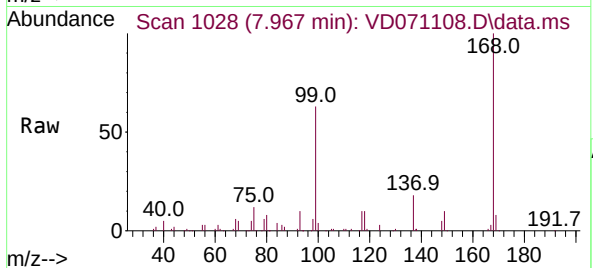
Tgt Ion: 75 Resp: 19576

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.642 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071108.D

Acq: 01 Dec 2021 16:17

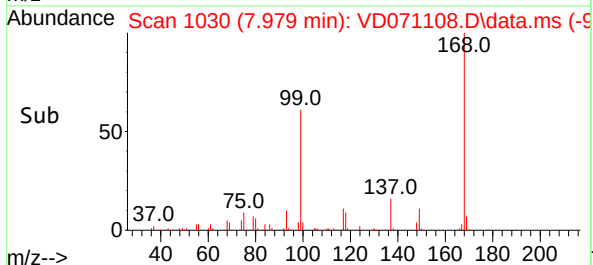
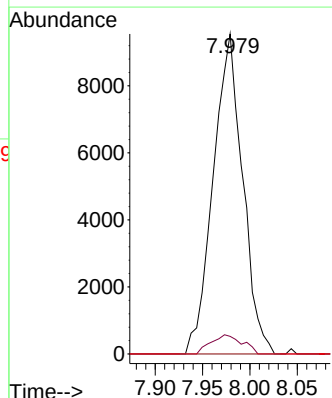
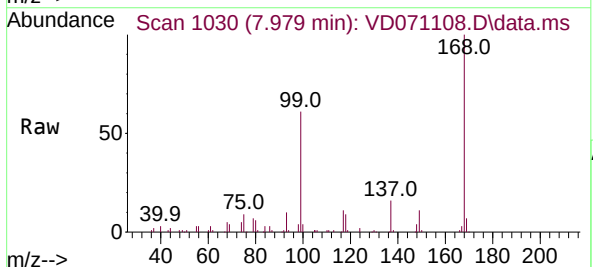
Tgt Ion: 117 Resp: 20635

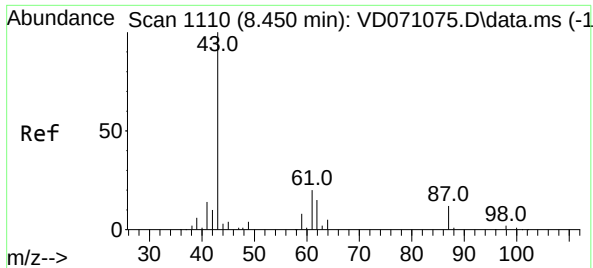
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 23.6 35.4#

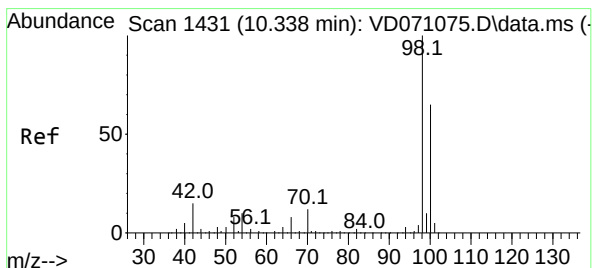
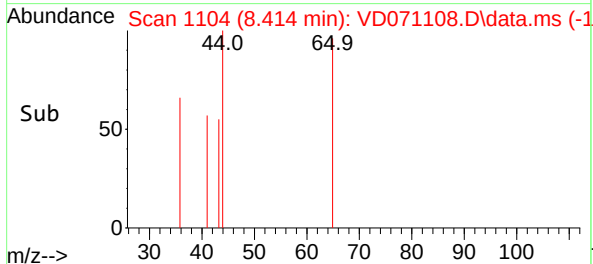
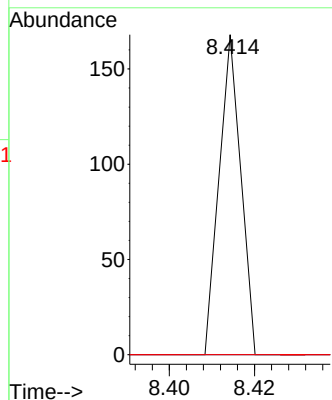
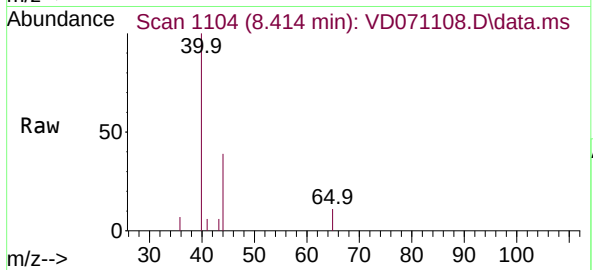




#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.414 min Scan# 1110
Delta R.T. -0.036 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

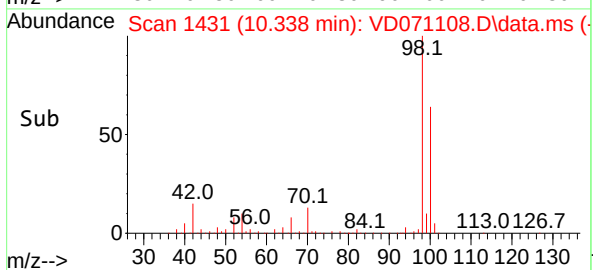
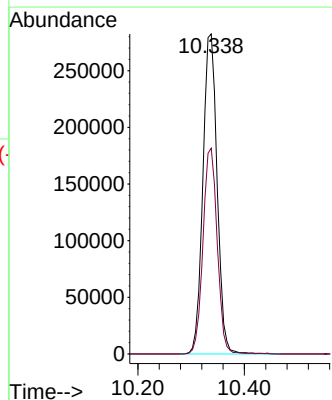
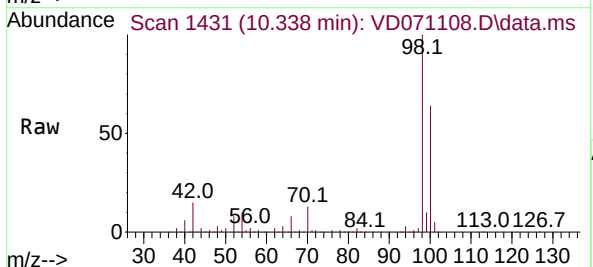
Instrument :
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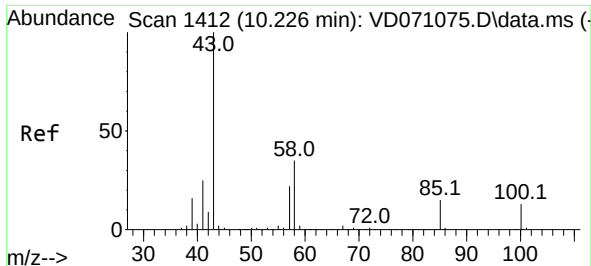
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 54.426 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion: 98 Resp: 523546
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

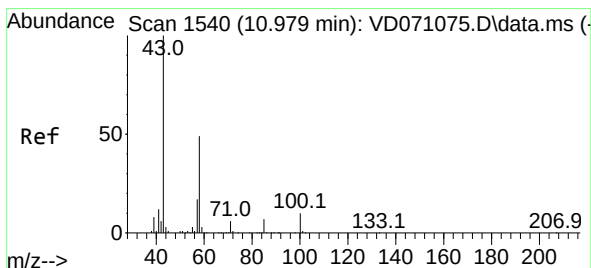
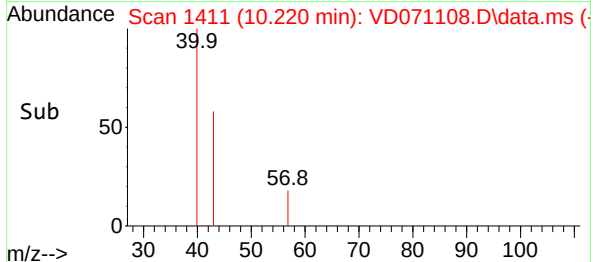
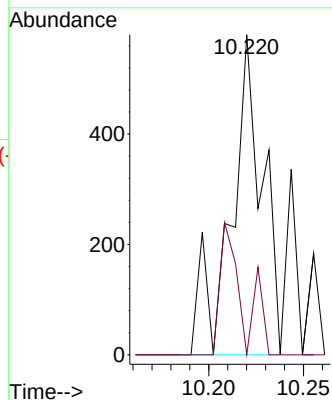
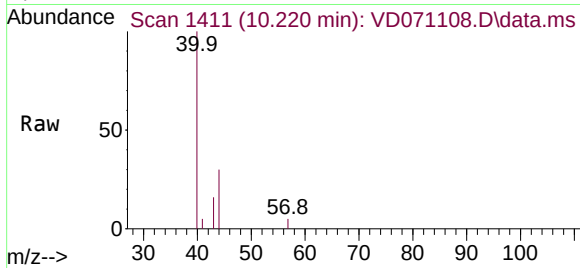




#51
4-Methyl-2-Pentanone
Concen: 30.979 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

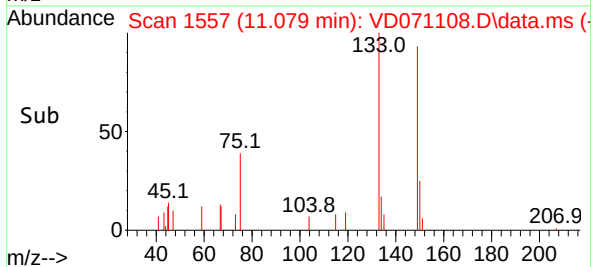
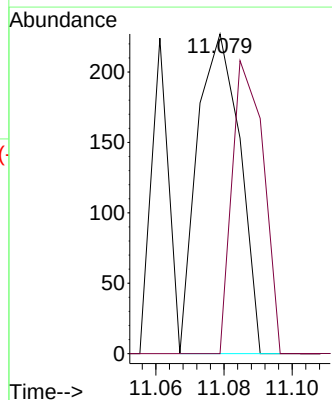
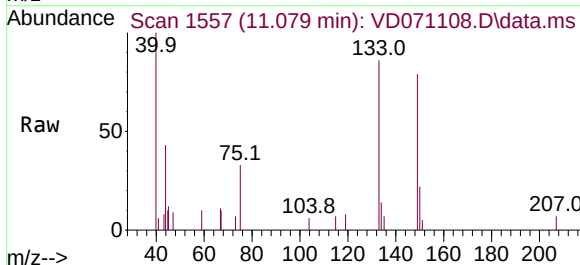
Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

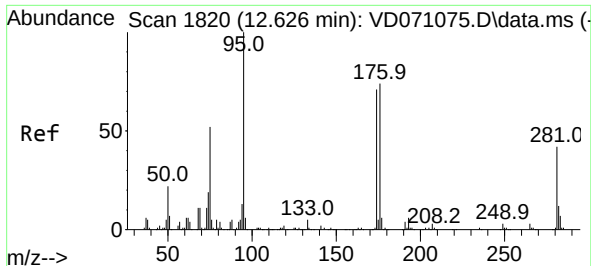
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 29.6 33.1 49.7#



#59
2-Hexanone
Concen: 34.699 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
58 67.0 28.7 86.1

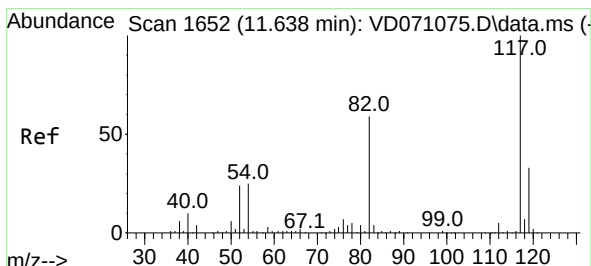
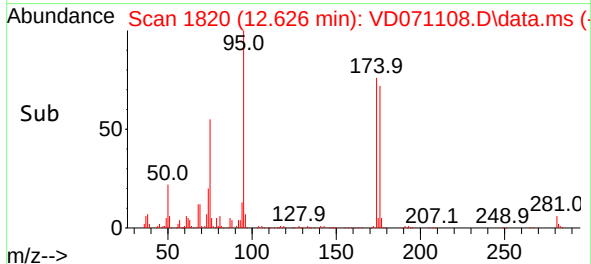
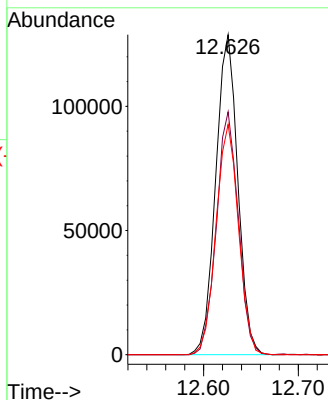
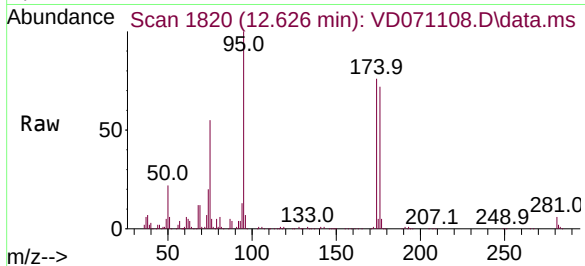




#62
4-Bromofluorobenzene
Concen: 62.538 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

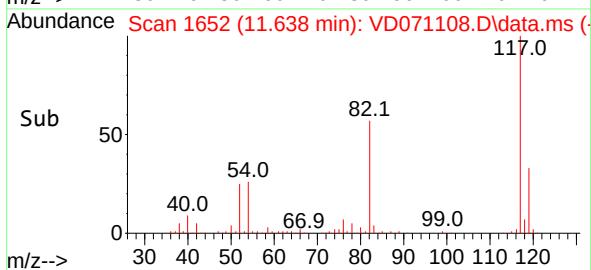
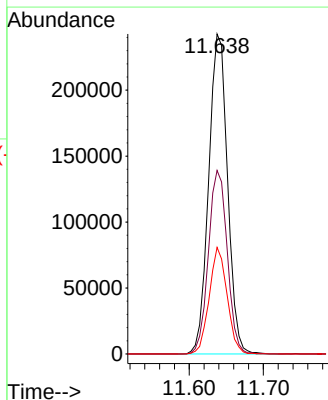
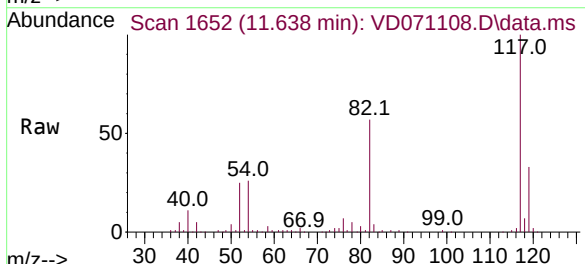
Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

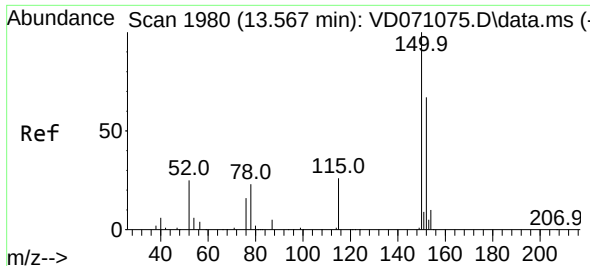
Tgt Ion:	95	Resp:	208528
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	159.4
176	73.4	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion:	117	Resp:	428447
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.7	67.1
119	33.3	26.2	39.4

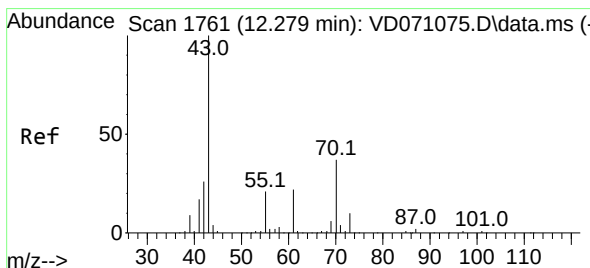
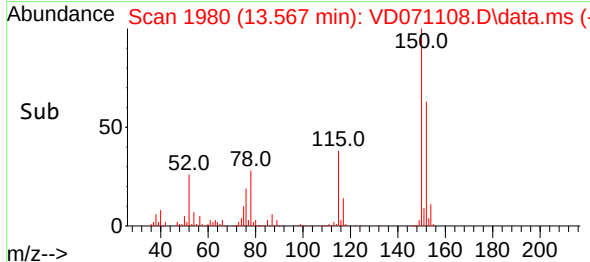
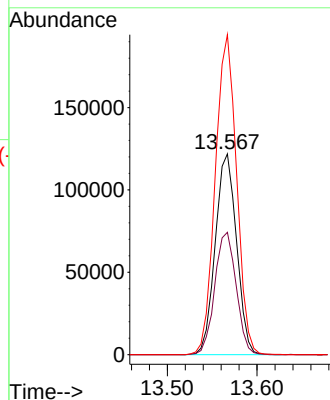
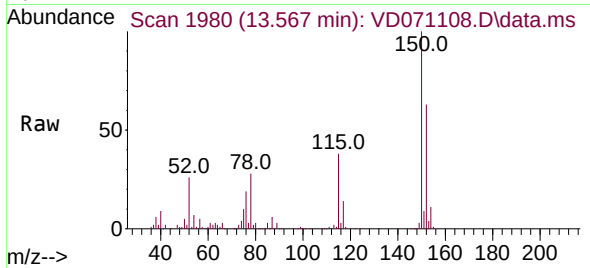




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

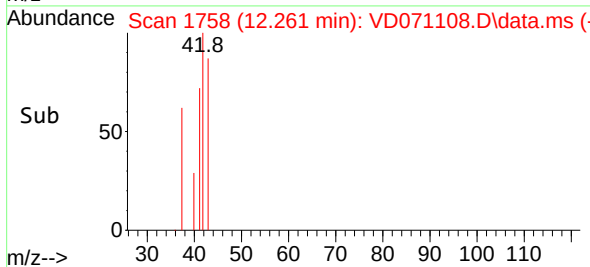
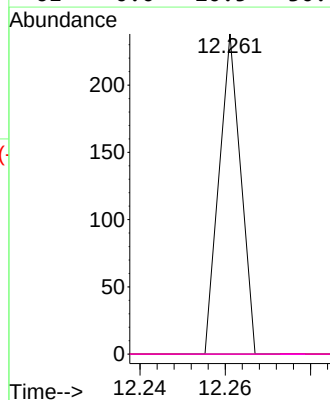
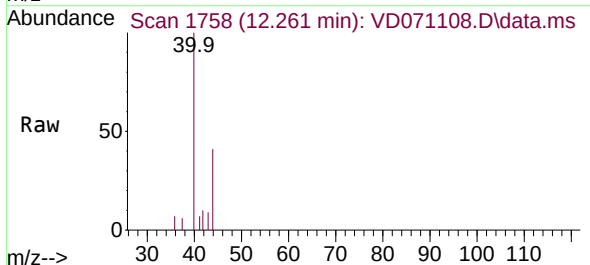
Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

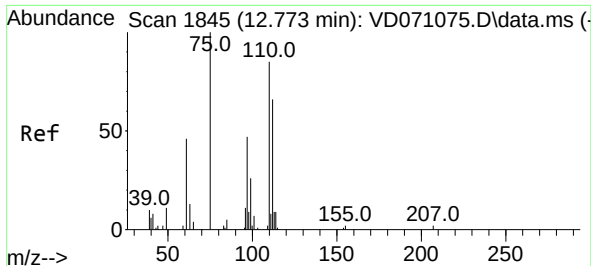
Tgt Ion:152 Resp: 200845
Ion Ratio Lower Upper
152 100
115 61.4 29.8 89.3
150 159.4 0.0 349.2



#74
N-ethyl acetate
Concen: 5.720 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

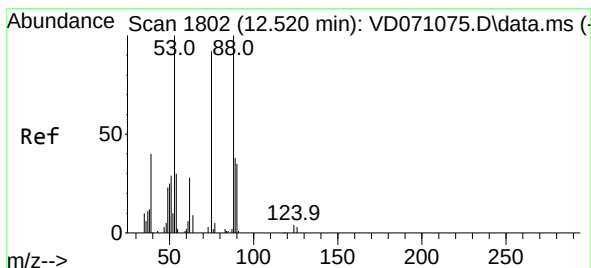
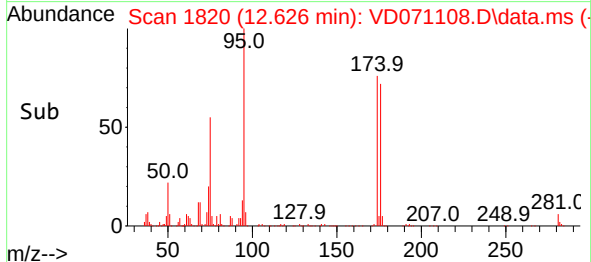
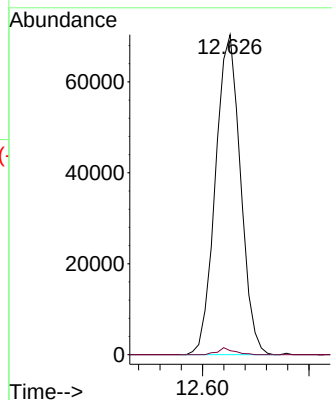
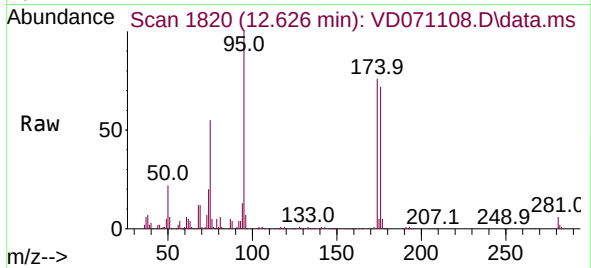




#76
1,2,3-Trichloropropane
Concen: 59.949 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Instrument :
MSVOA_D
ClientSampleId :
PL-2-120121

Tgt Ion: 75 Resp: 114717
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071108.D
Acq: 01 Dec 2021 16:17

Tgt Ion: 75 Resp: 114717
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

