

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110822\
 Data File : VD074813.D
 Acq On : 08 Nov 2022 19:43
 Operator : VA/SY
 Sample : N5494-15RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 23:40:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

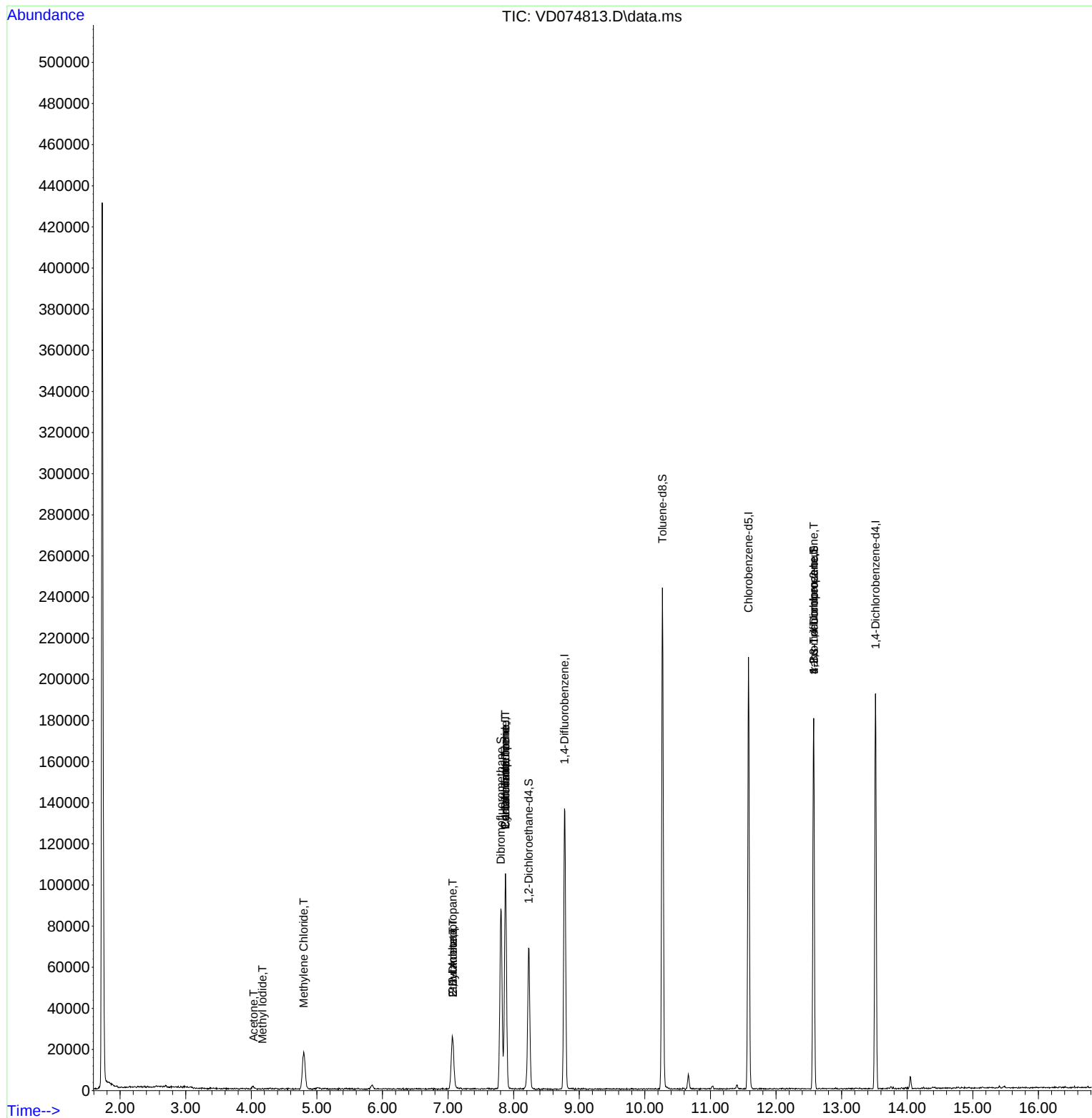
Internal Standards						
1) Pentafluorobenzene	7.875	168	84959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	134904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	128592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	57242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52779	78.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.880%	
35) Dibromofluoromethane	7.804	113	65379	81.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 163.860%#	
50) Toluene-d8	10.269	98	177099	60.840	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.680%	
62) 4-Bromofluorobenzene	12.575	95	52930	62.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.960%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	77	5.615	ug/l #	43
11) Tert butyl alcohol	5.034	59	322	Below Cal	#	84
16) Acetone	4.034	43	1800	12.819	ug/l	92
20) Methylene Chloride	4.799	84	15903	2.776	ug/l #	84
25) 2-Butanone	7.075	43	1133	5.868	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	1821	1.295	ug/l #	50
31) Cyclohexane	7.875	56	1487	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	5852	4.831	ug/l #	45
37) Ethyl Acetate	7.075	43	1133	2.804	ug/l #	48
38) Carbon Tetrachloride	7.875	117	8414	7.332	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	25971	58.527	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	25971	138.929	ug/l #	17

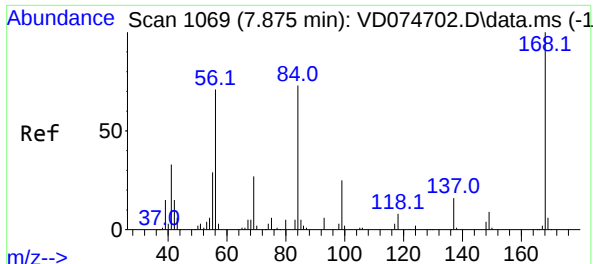
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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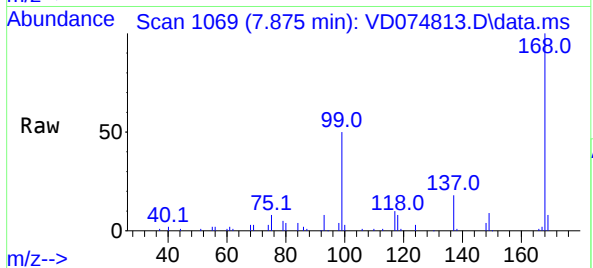
Quant Time: Nov 08 23:40:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 03 02:30:45 2022
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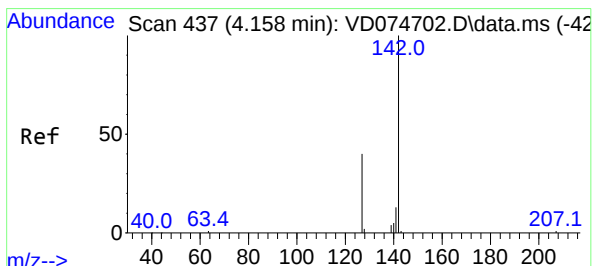
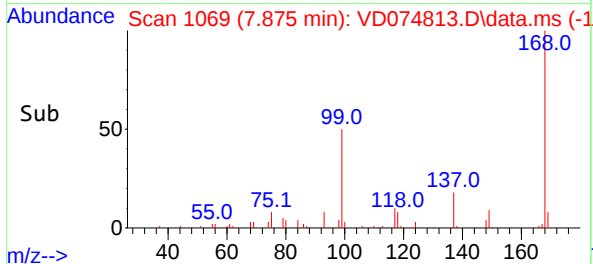
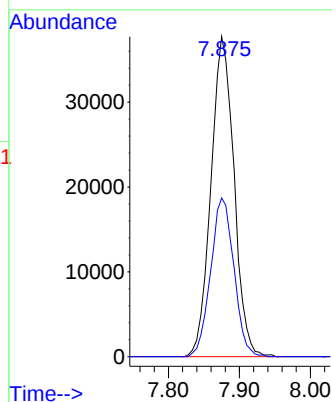


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Instrument :
MSVOA_D
ClientSampleId :

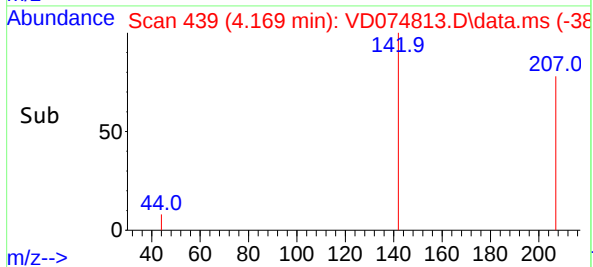
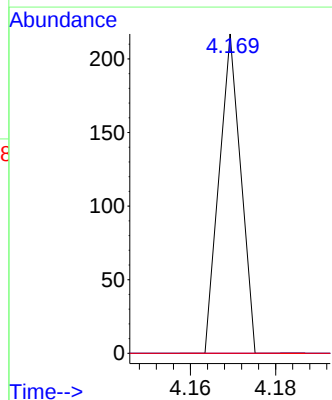
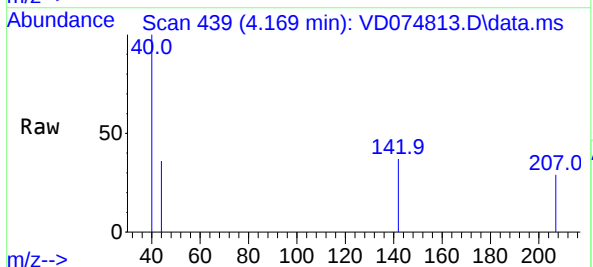


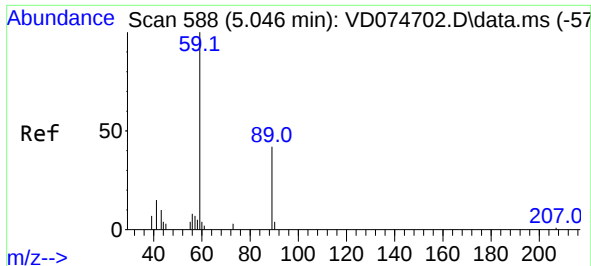
Tgt Ion:168 Resp: 84959
Ion Ratio Lower Upper
168 100
99 49.6 40.9 61.3



#10
Methyl Iodide
Concen: 5.615 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 51

Delta R.T. -0.012 min

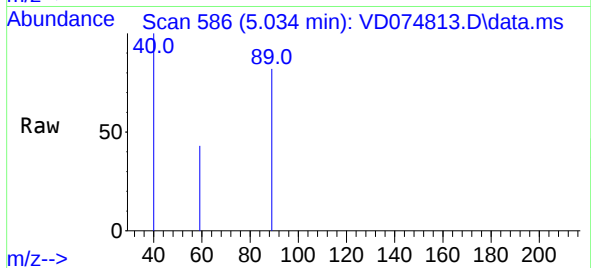
Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

Instrument :

MSVOA_D

ClientSampleId :

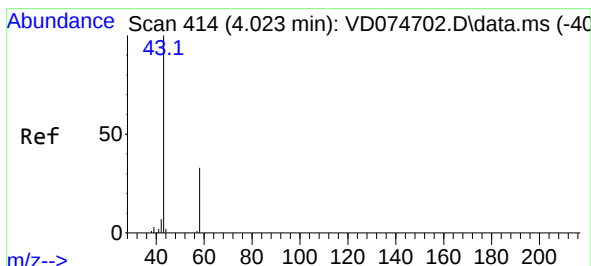
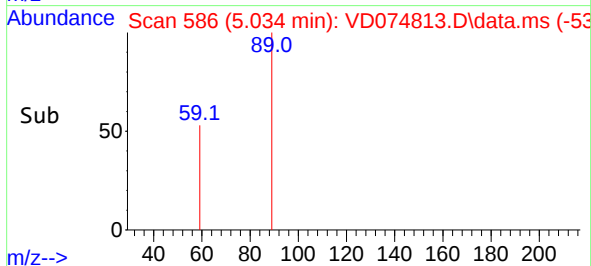
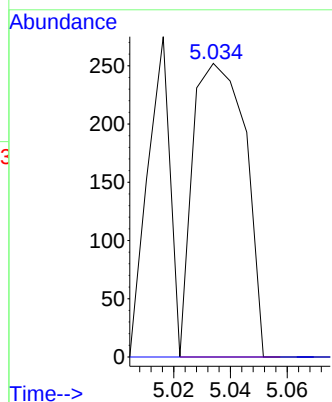


Tgt Ion: 59 Resp: 322

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 12.819 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.011 min

Lab File: VD074813.D

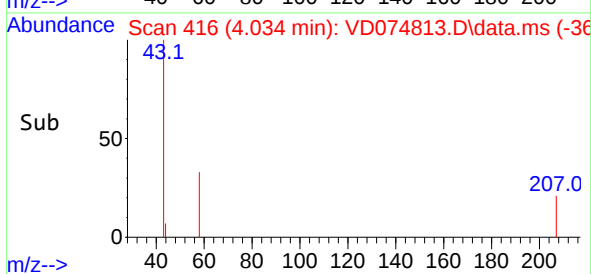
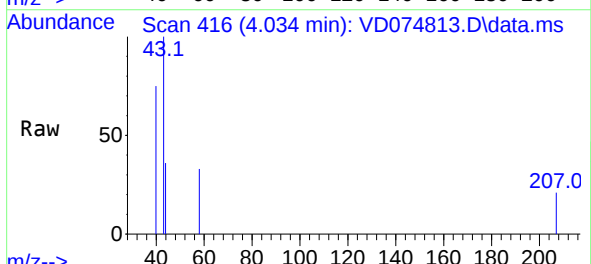
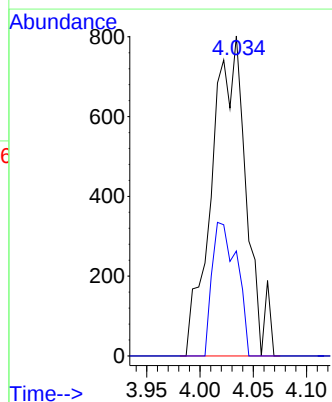
Acq: 08 Nov 2022 19:43

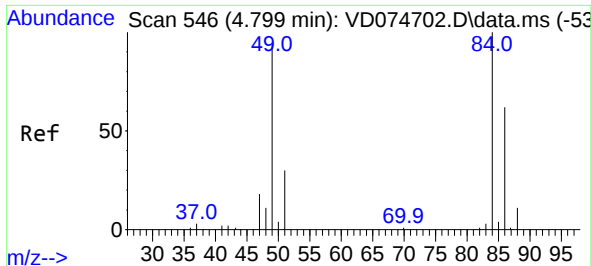
Tgt Ion: 43 Resp: 1800

Ion Ratio Lower Upper

43 100

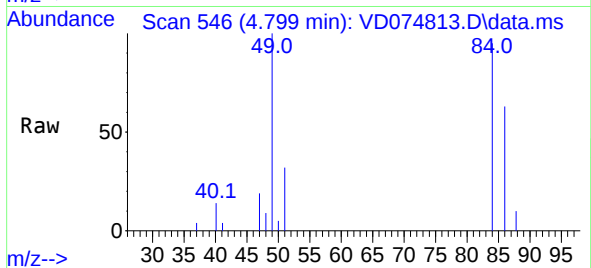
58 32.8 30.2 45.2





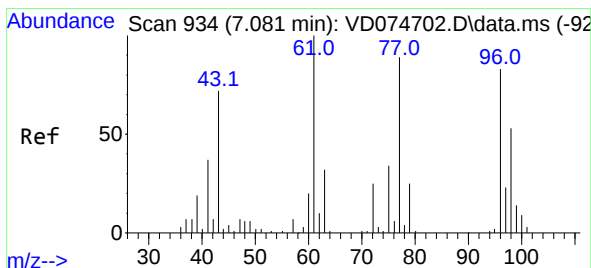
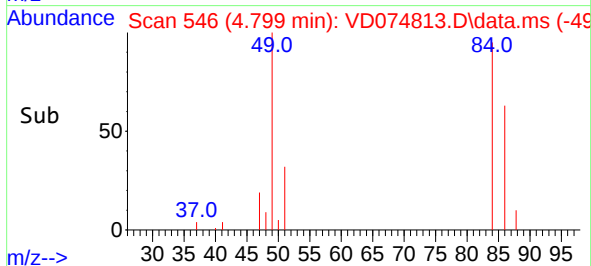
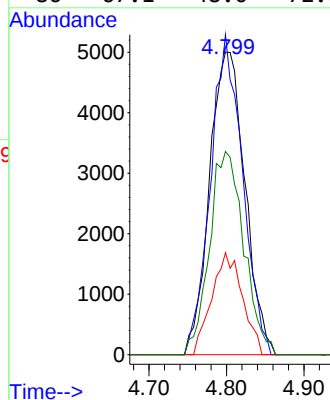
#20
Methylene Chloride
Concen: 2.776 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 15903

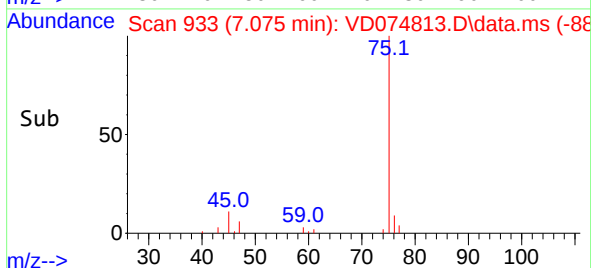
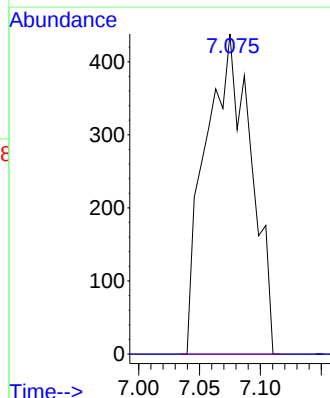
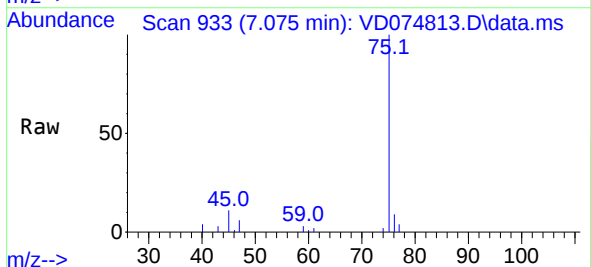
Ion	Ratio	Lower	Upper
84	100		
49	105.7	68.0	102.0#
51	33.7	23.2	34.8
86	67.1	48.0	72.0

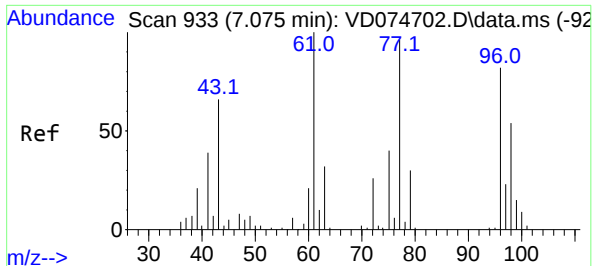


#25
2-Butanone
Concen: 5.868 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Tgt Ion: 43 Resp: 1133

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#26

2,2-Dichloropropane

Concen: 1.295 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

Instrument :

MSVOA_D

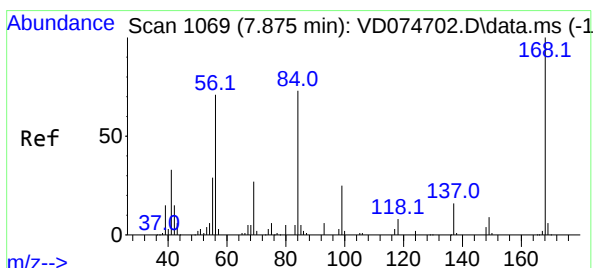
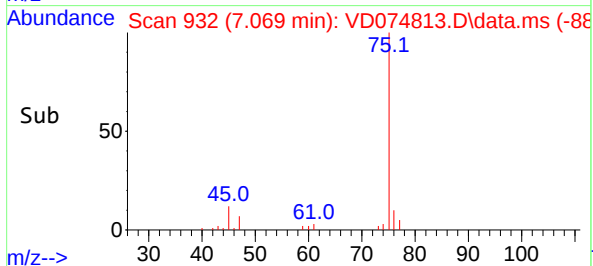
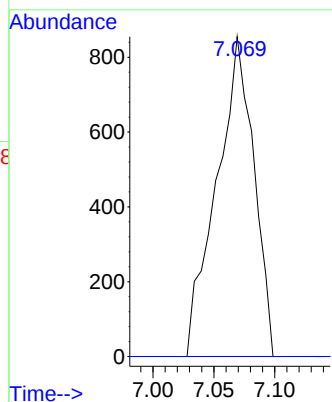
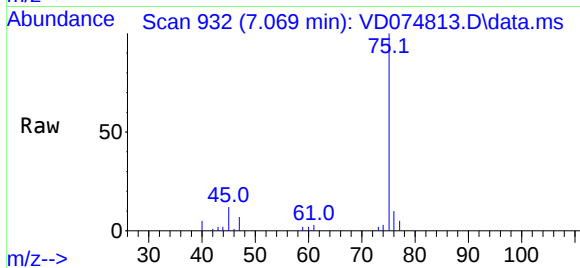
ClientSampleId :

Tgt Ion: 77 Resp: 1821

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#



#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

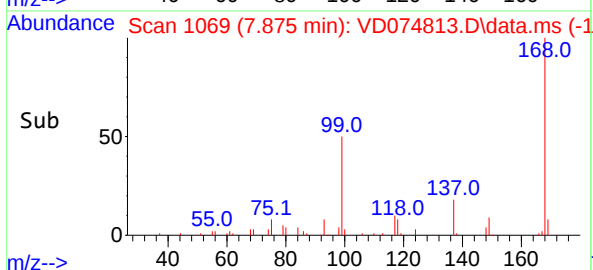
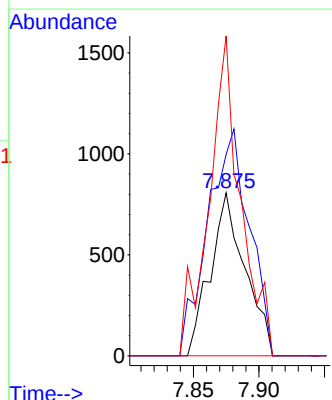
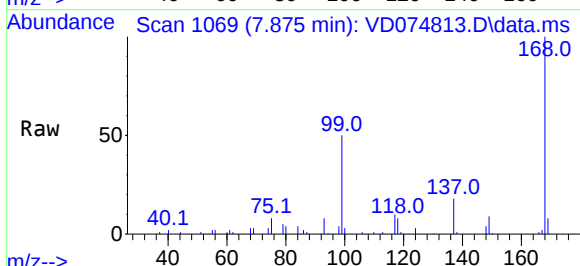
Tgt Ion: 56 Resp: 1487

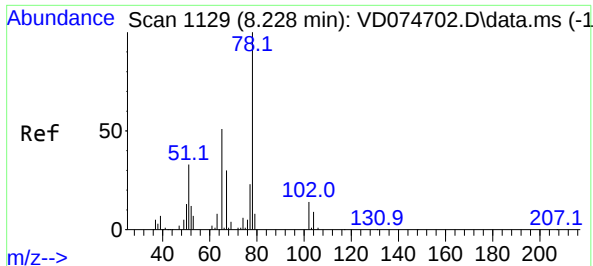
Ion Ratio Lower Upper

56 100

69 123.5 29.2 43.8#

84 196.3 83.4 125.2#

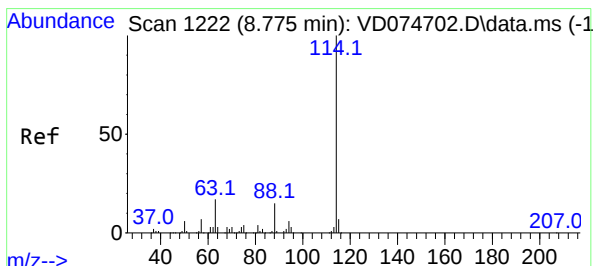
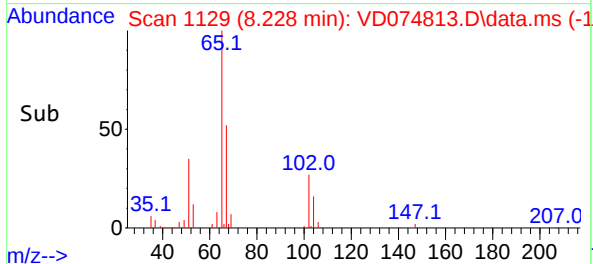
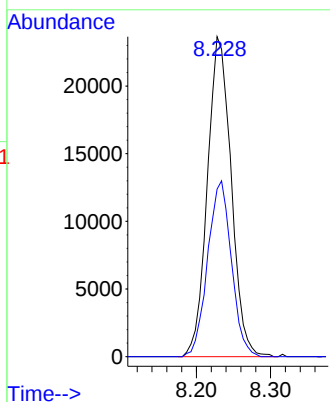
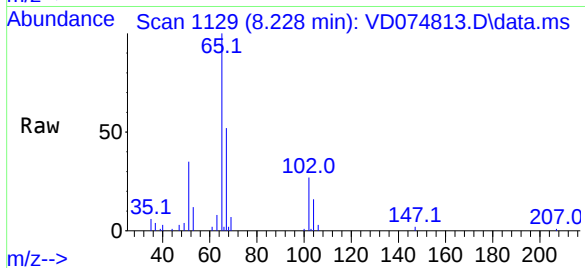




#33
1,2-Dichloroethane-d4
Concen: 78.436 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

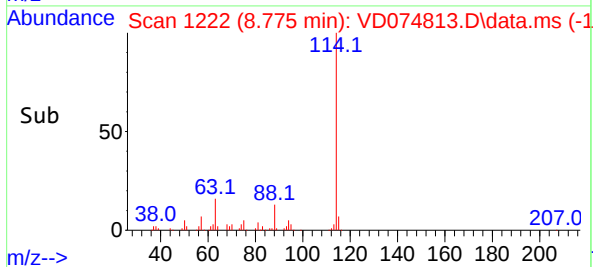
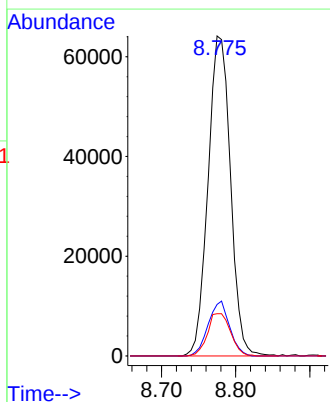
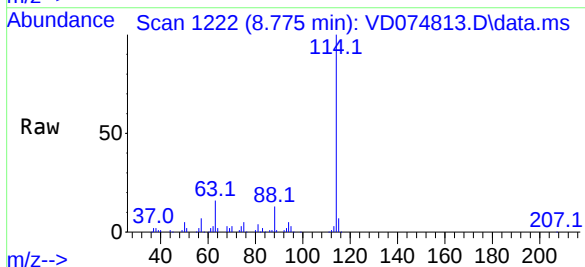
Instrument :
MSVOA_D
ClientSampleId :

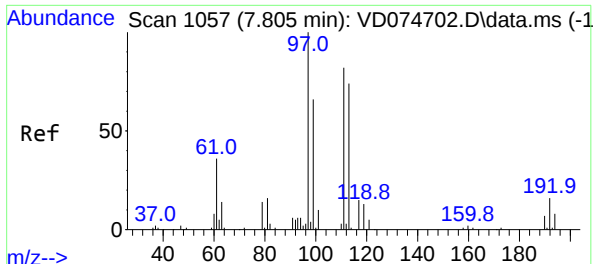
Tgt Ion: 65 Resp: 52779
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Tgt Ion:114 Resp: 134904
Ion Ratio Lower Upper
114 100
63 16.1 0.0 33.2
88 13.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 81.927 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

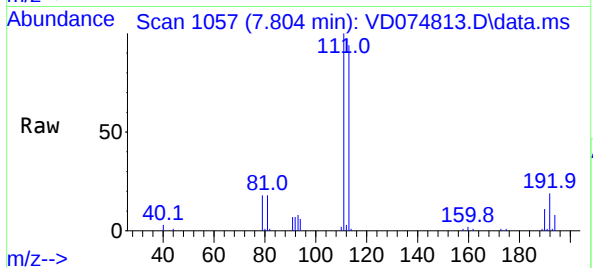
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Acq: 08 Nov 2022 19:43

Instrument :

MSVOA_D

ClientSampleId :



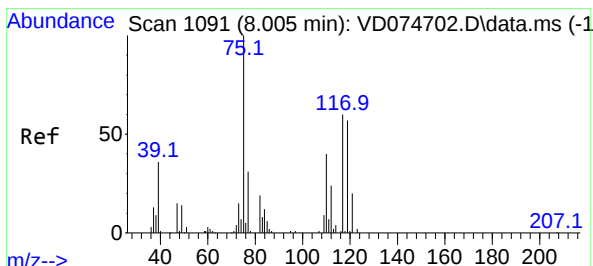
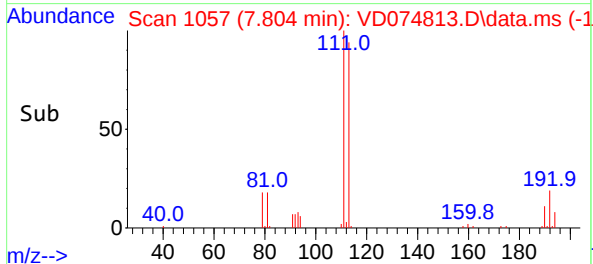
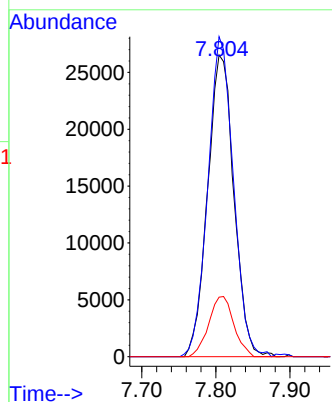
Tgt Ion:113 Resp: 65379

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 19.1 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

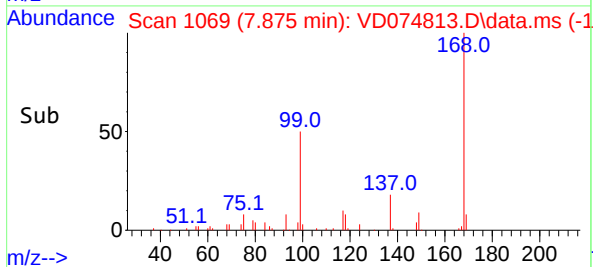
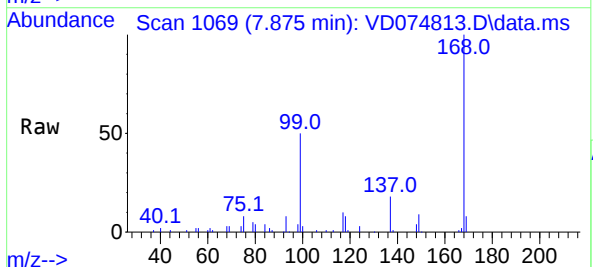
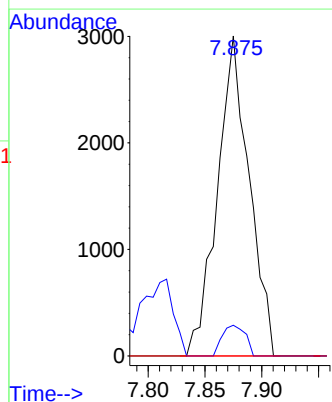
Tgt Ion: 75 Resp: 5852

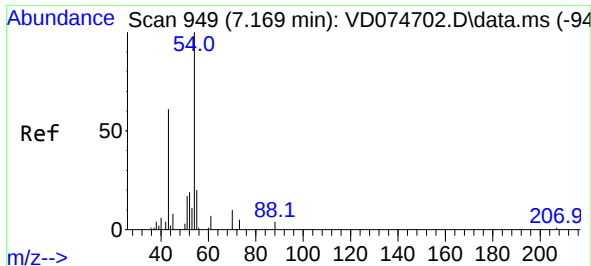
Ion Ratio Lower Upper

75 100

110 7.0 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.804 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

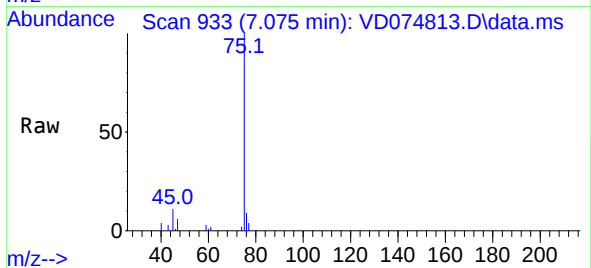
Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

Instrument :

MSVOA_D

ClientSampleId :



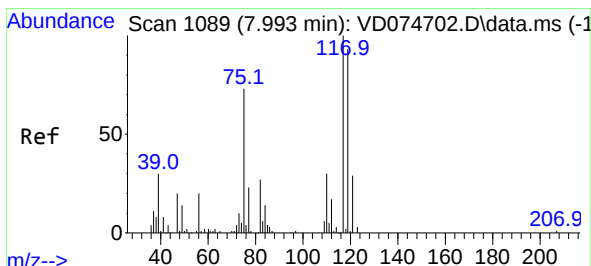
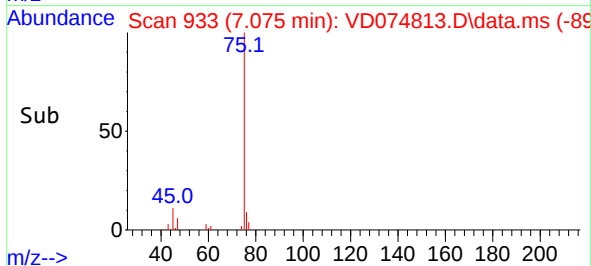
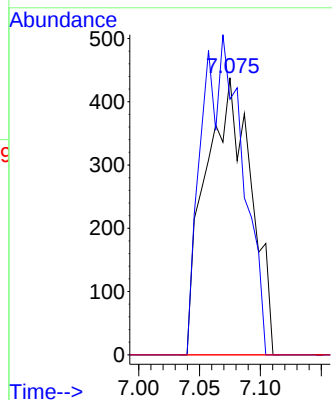
Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

61 43.9 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 7.332 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074813.D

Acq: 08 Nov 2022 19:43

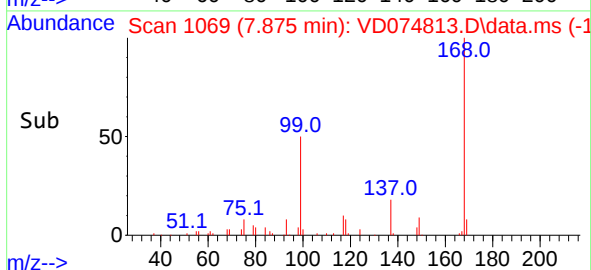
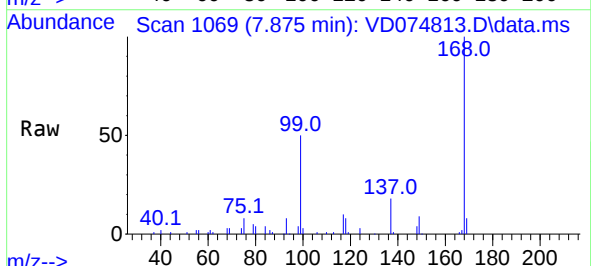
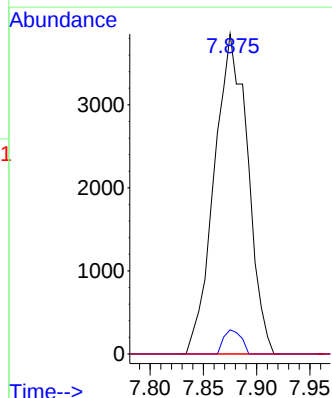
Tgt Ion: 117 Resp: 8414

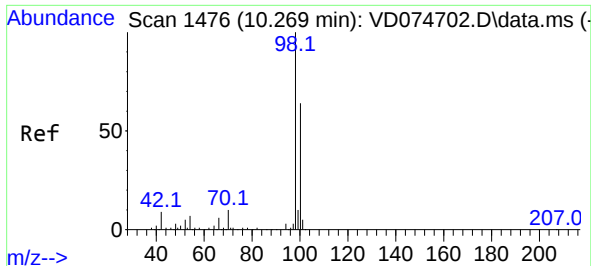
Ion Ratio Lower Upper

117 100

119 7.5 73.1 109.7#

121 0.0 25.0 37.6#

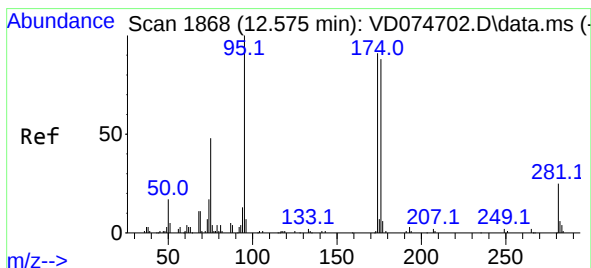
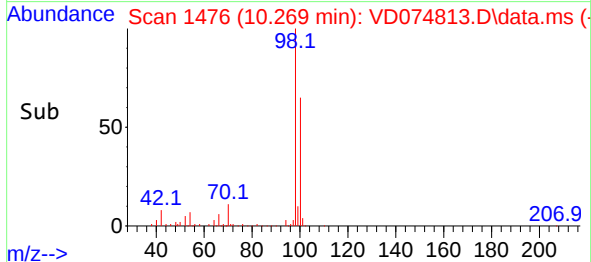
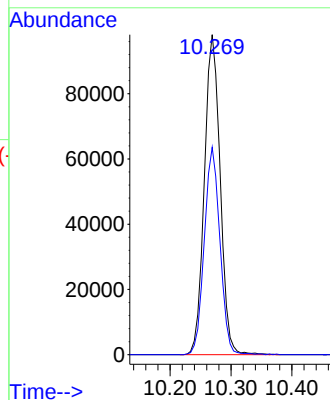
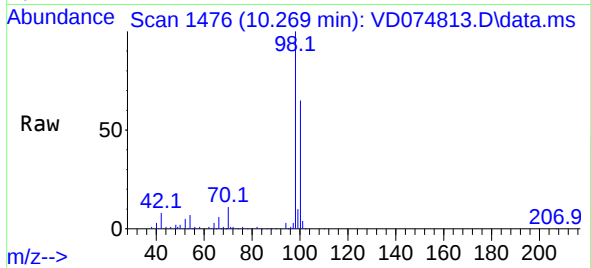




#50
Toluene-d8
Concen: 60.840 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

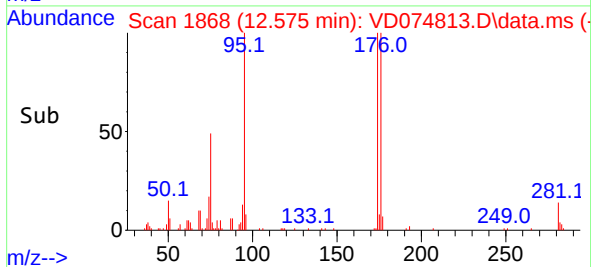
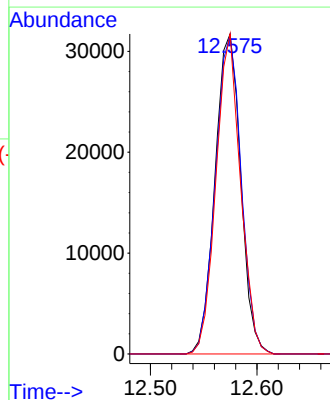
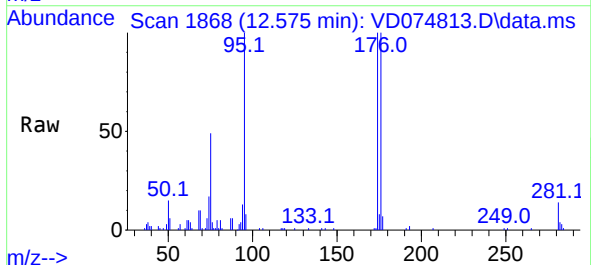
Instrument :
MSVOA_D
ClientSampleId :

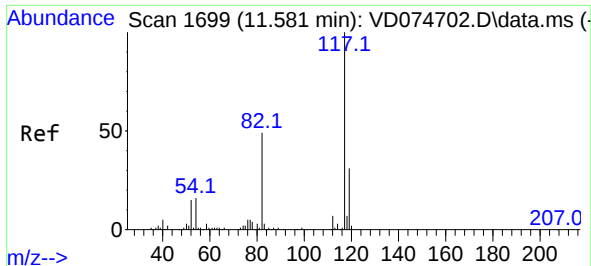
Tgt Ion: 98 Resp: 177099
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 62.976 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

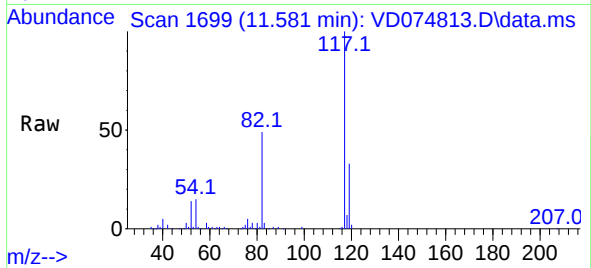
Tgt Ion: 95 Resp: 52930
Ion Ratio Lower Upper
95 100
174 100.3 0.0 197.0
176 95.3 0.0 182.6



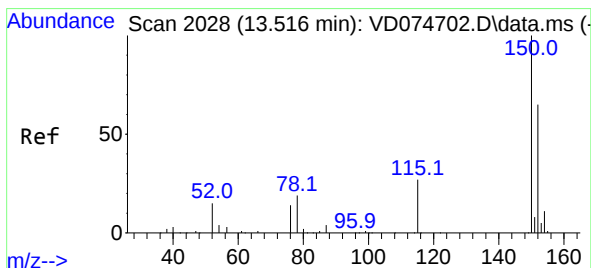
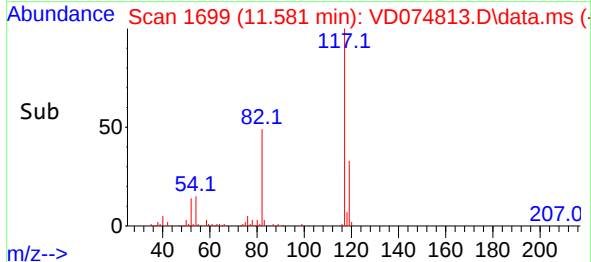
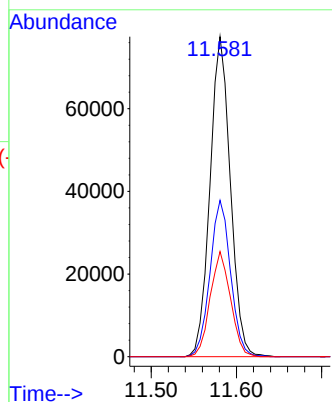


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Instrument :
MSVOA_D
ClientSampleId :

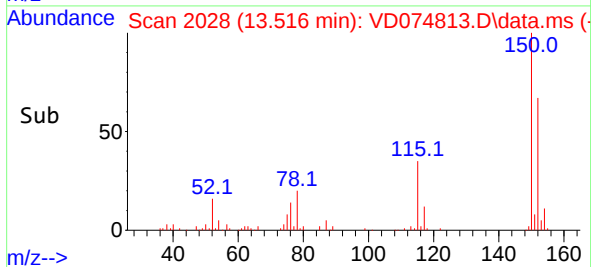
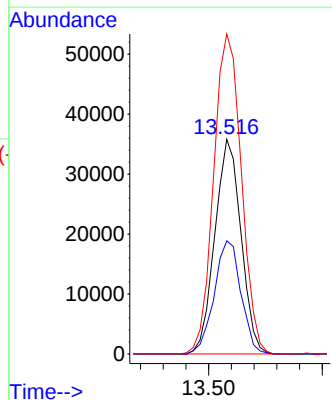
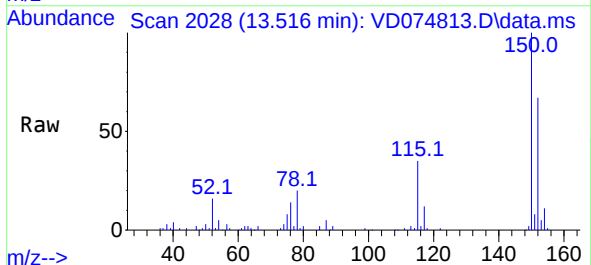


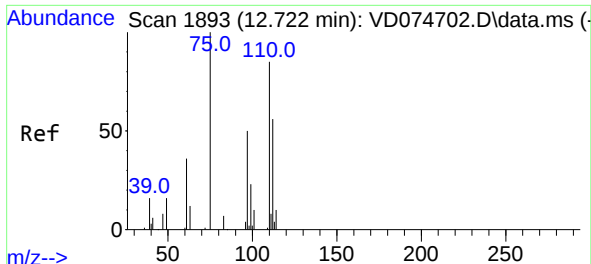
Tgt Ion:117 Resp: 128592
Ion Ratio Lower Upper
117 100
82 48.9 41.6 62.4
119 32.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Tgt Ion:152 Resp: 57242
Ion Ratio Lower Upper
152 100
115 53.8 26.8 80.4
150 157.8 0.0 348.2

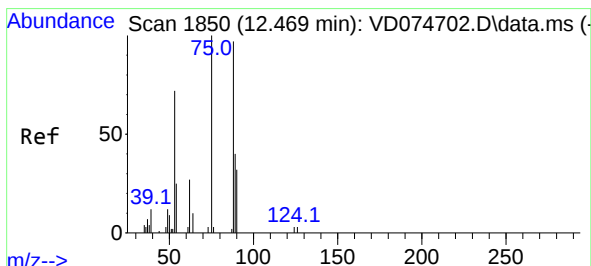
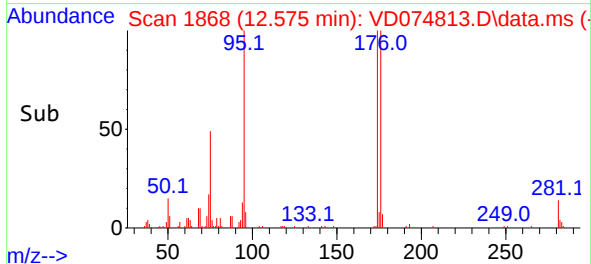
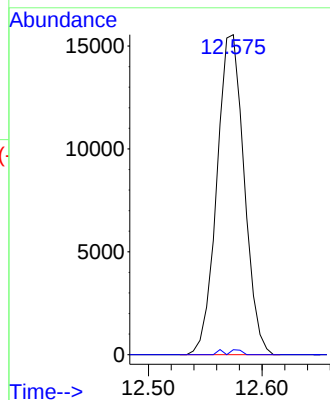
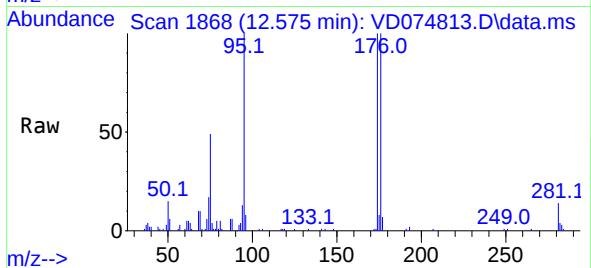




#76
1,2,3-Trichloropropane
Concen: 58.527 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 25971
Ion Ratio Lower Upper
75 100
77 0.9 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.929 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074813.D
Acq: 08 Nov 2022 19:43

Tgt Ion: 75 Resp: 25971
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

