

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110822\
 Data File : VD074811.D
 Acq On : 08 Nov 2022 18:48
 Operator : VA/SY
 Sample : N5494-11RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 23:39:47 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)

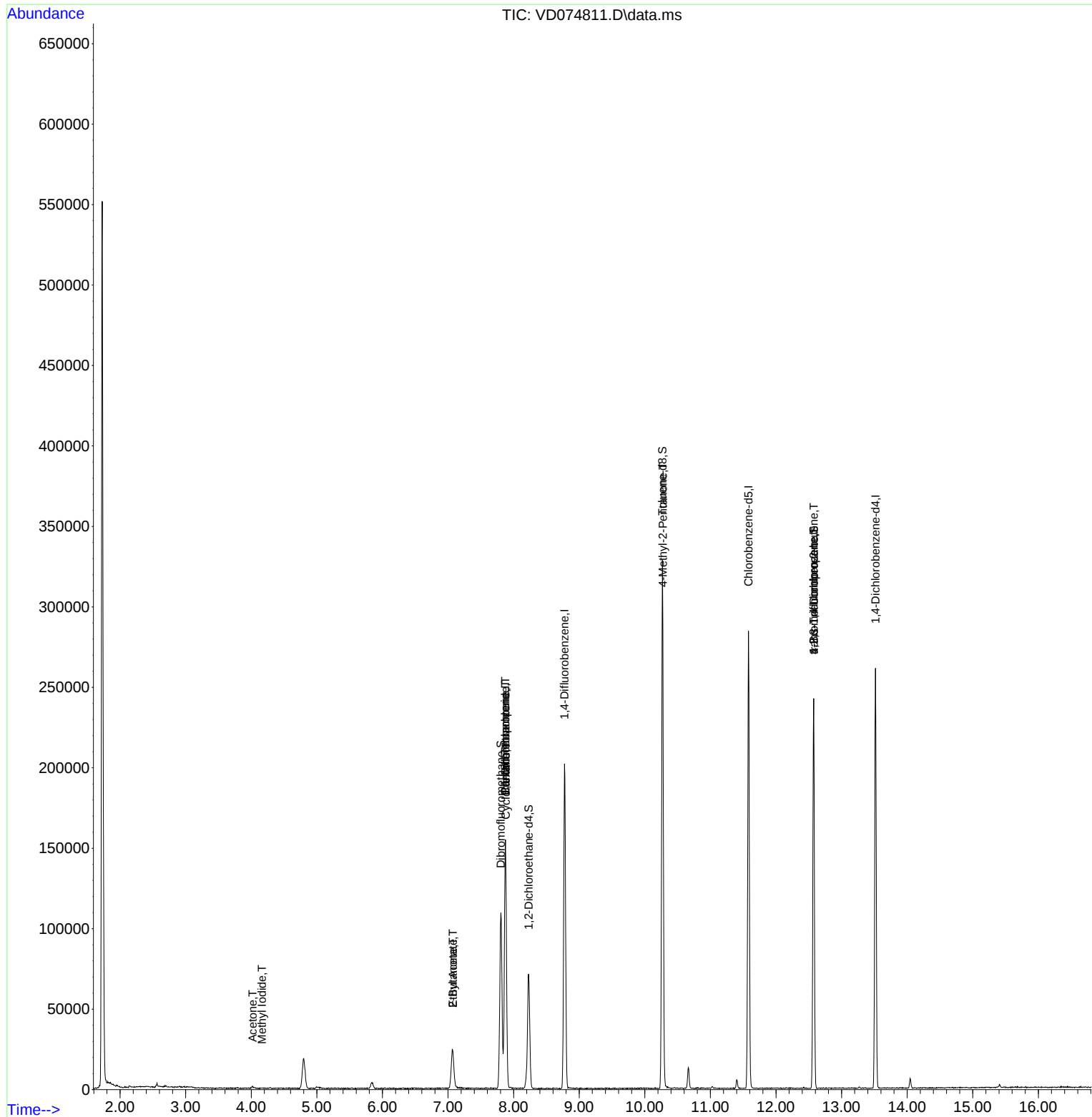
Internal Standards						
1) Pentafluorobenzene	7.875	168	128468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	194295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	178329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55994	55.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.060%
35) Dibromofluoromethane	7.805	113	80389	69.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	139.880%
50) Toluene-d8	10.269	98	236840	56.492	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.980%
62) 4-Bromofluorobenzene	12.575	95	67389	55.671	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.340%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	128	5.621	ug/l #	43
11) Tert butyl alcohol	5.058	59	204	Below Cal	#	84
16) Acetone	4.022	43	1988	9.363	ug/l #	80
20) Methylene Chloride	4.793	84	16146	Below Cal		98
25) 2-Butanone	7.075	43	1075	3.682	ug/l #	42
31) Cyclohexane	7.881	56	2152	1.045	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	8665	4.967	ug/l #	45
37) Ethyl Acetate	7.075	43	1075	1.847	ug/l #	1
38) Carbon Tetrachloride	7.875	117	12003	7.262	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	659	1.255	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	32776	56.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	32776	134.005	ug/l #	17

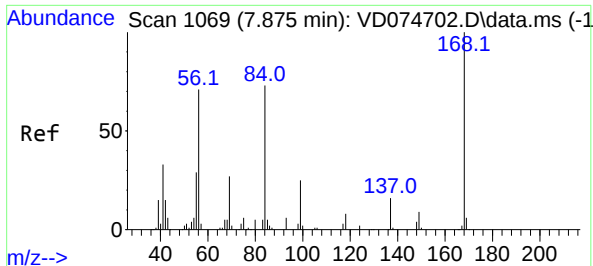
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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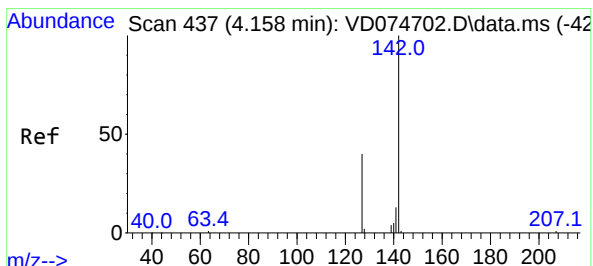
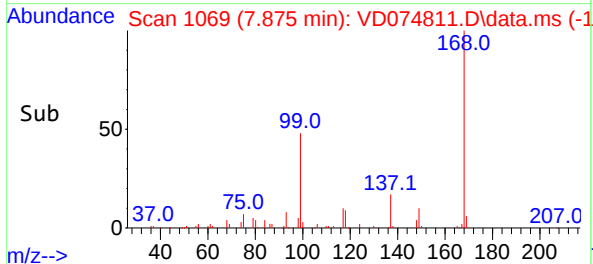
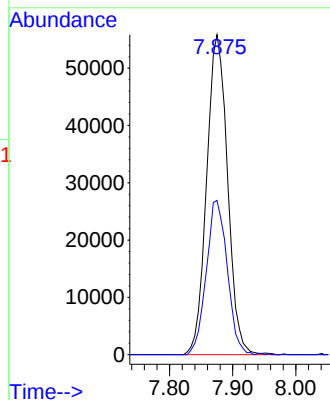
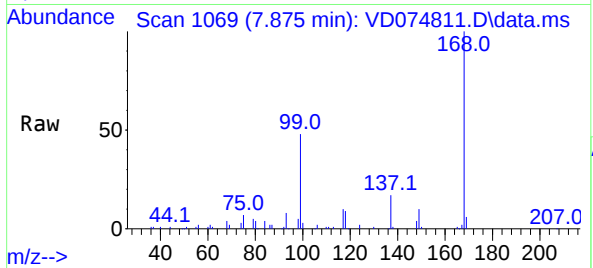




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

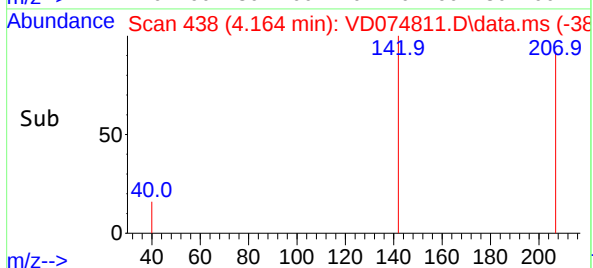
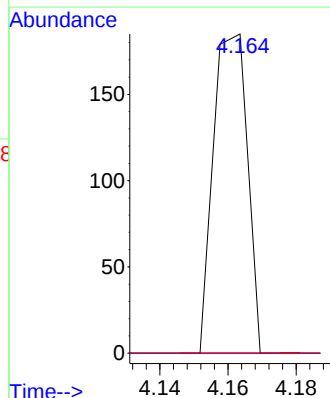
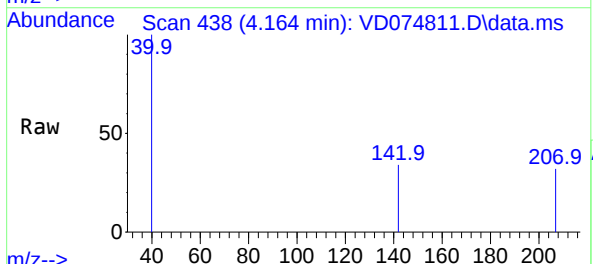
Instrument :
MSVOA_D
ClientSampleId :

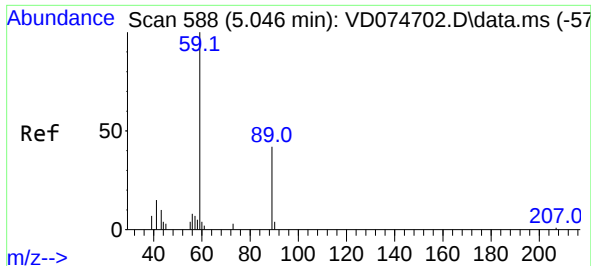
Tgt Ion:168 Resp: 128468
Ion Ratio Lower Upper
168 100
99 48.2 40.9 61.3



#10
Methyl Iodide
Concen: 5.621 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

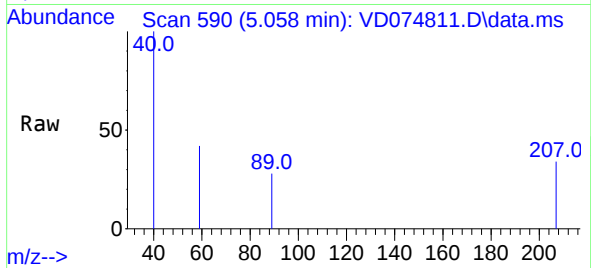
Tgt Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



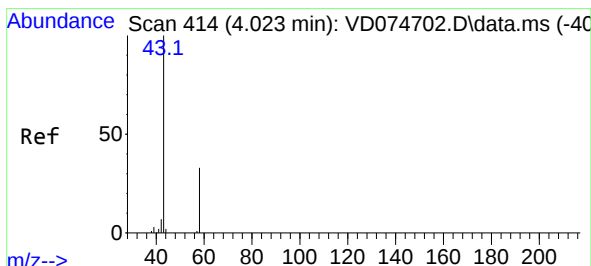
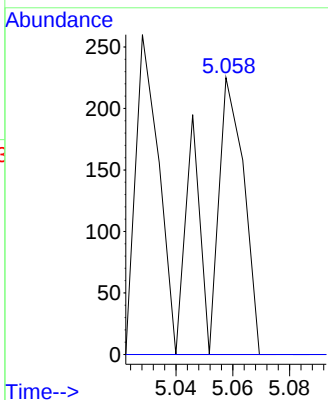
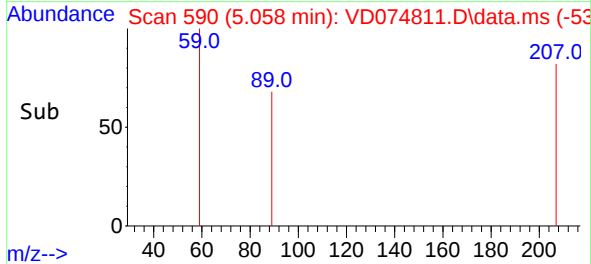


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.058 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

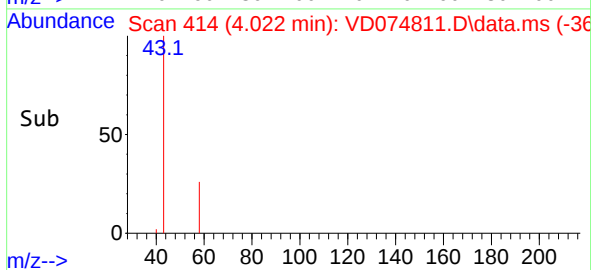
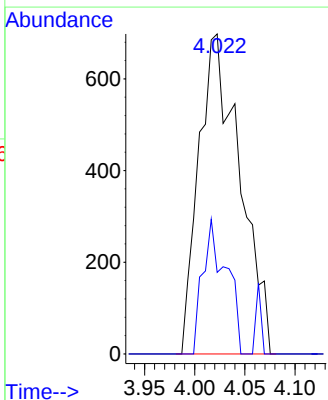
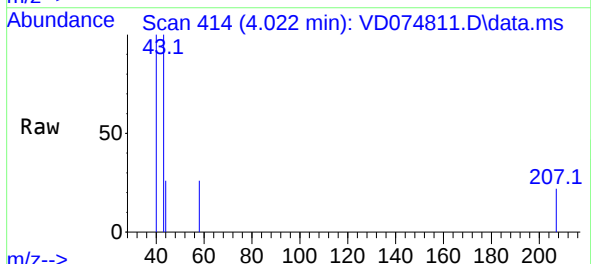


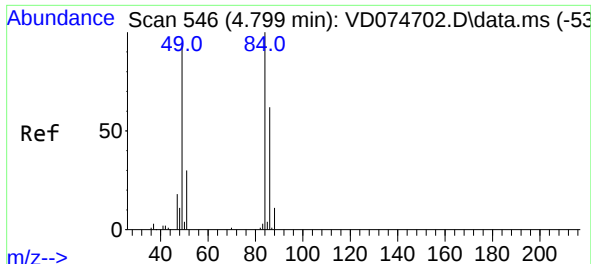
Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 9.363 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.001 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

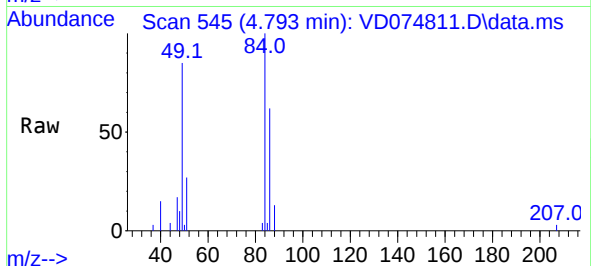
Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
58 25.5 30.2 45.2#





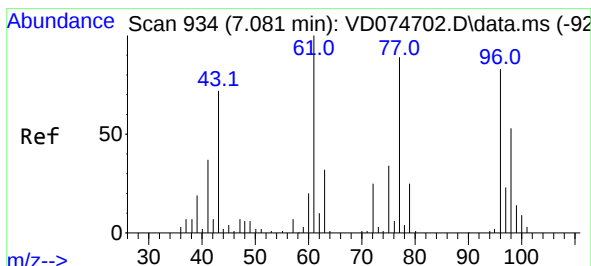
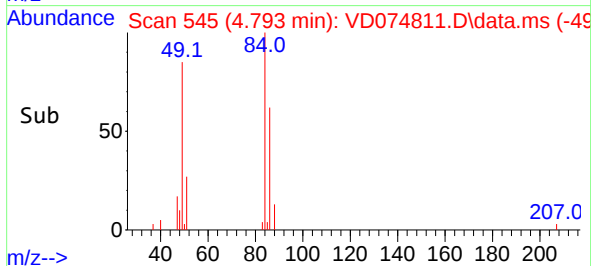
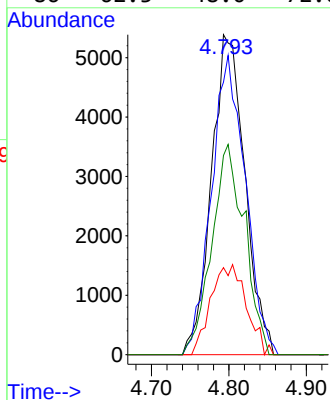
#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 16146

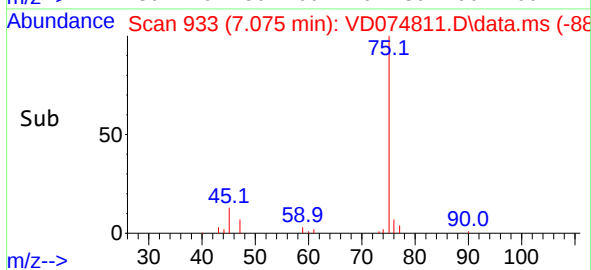
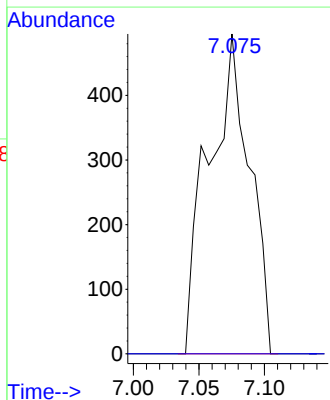
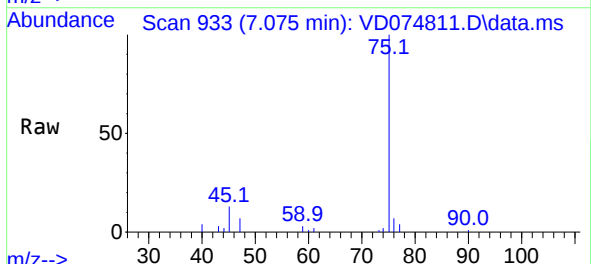
Ion	Ratio	Lower	Upper
84	100		
49	85.1	68.0	102.0
51	27.2	23.2	34.8
86	62.3	48.0	72.0

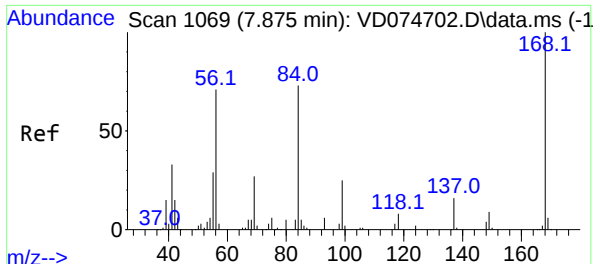


#25
2-Butanone
Concen: 3.682 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Tgt Ion: 43 Resp: 1075

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

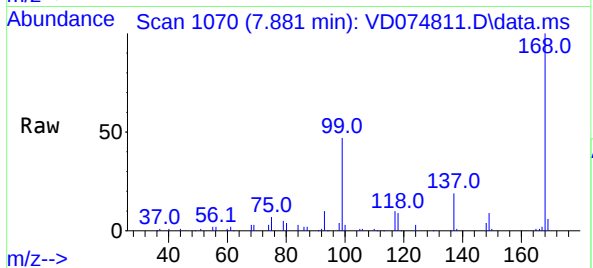
Lab File: VD074811.D

Acq: 08 Nov 2022 18:48

Instrument :

MSVOA_D

ClientSampleId :



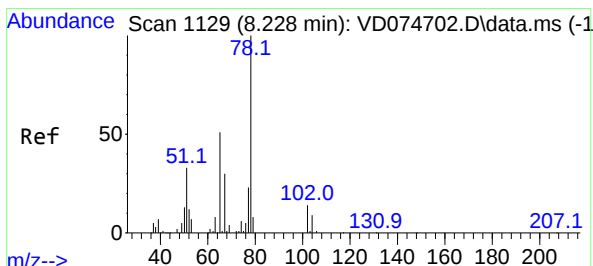
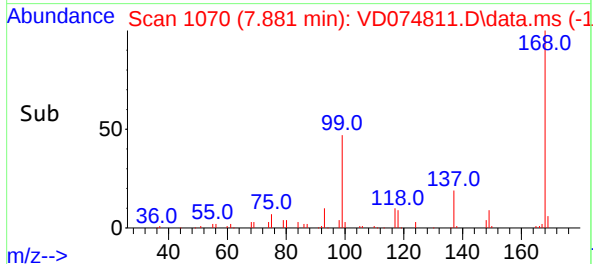
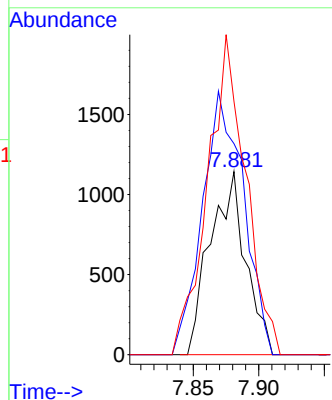
Tgt Ion: 56 Resp: 2152

Ion Ratio Lower Upper

56 100

69 115.3 29.2 43.8#

84 138.4 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 55.031 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074811.D

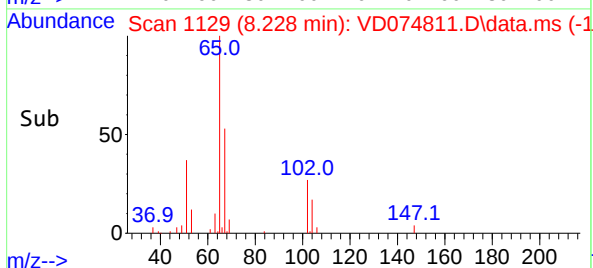
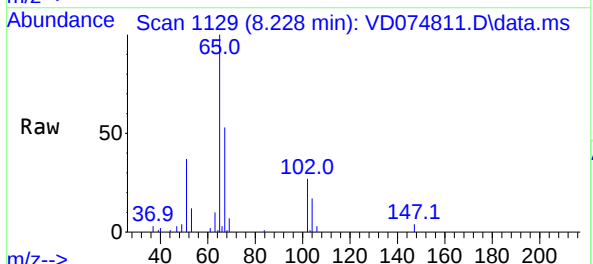
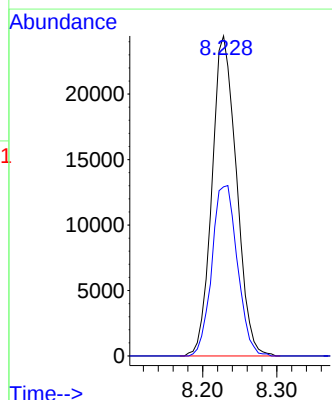
Acq: 08 Nov 2022 18:48

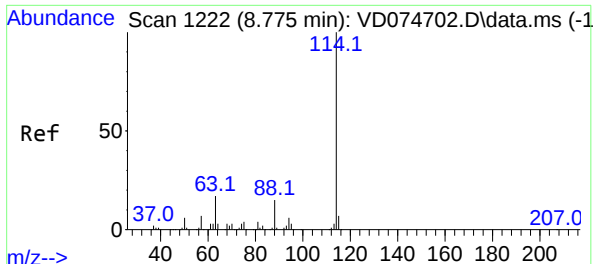
Tgt Ion: 65 Resp: 55994

Ion Ratio Lower Upper

65 100

67 55.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074811.D

Acq: 08 Nov 2022 18:48

Instrument :

MSVOA_D

ClientSampleId :

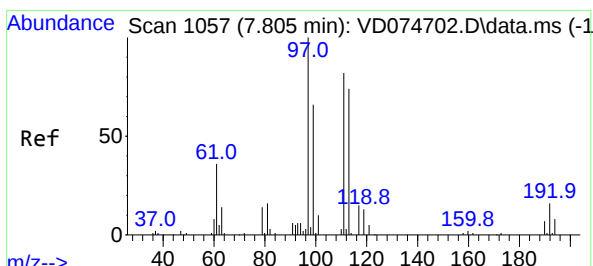
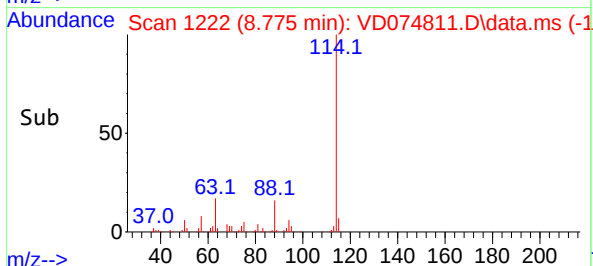
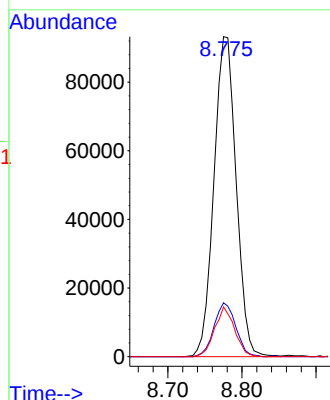
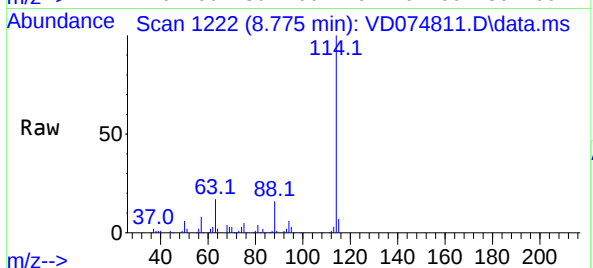
Tgt Ion:114 Resp: 194295

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.2

88 15.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 69.944 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074811.D

Acq: 08 Nov 2022 18:48

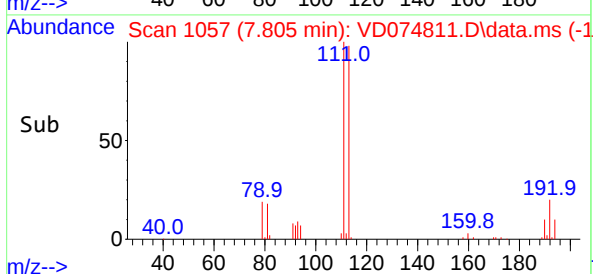
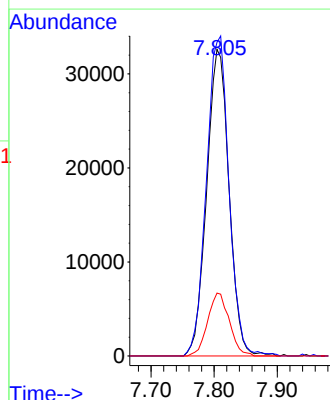
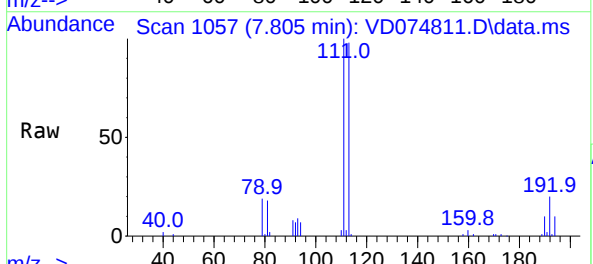
Tgt Ion:113 Resp: 80389

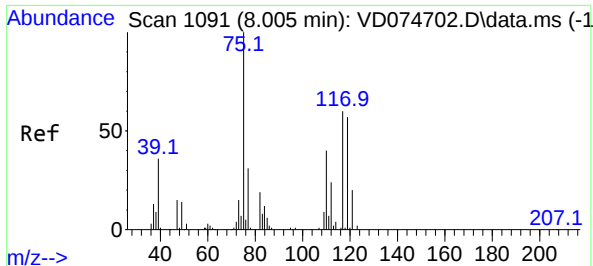
Ion Ratio Lower Upper

113 100

111 105.1 82.3 123.5

192 19.8 16.4 24.6

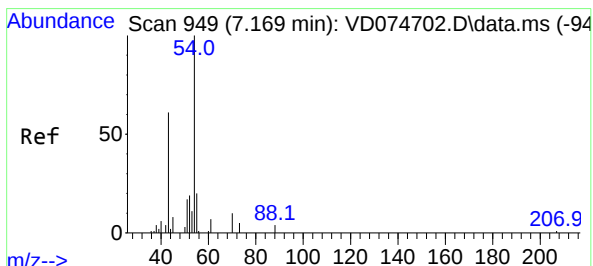
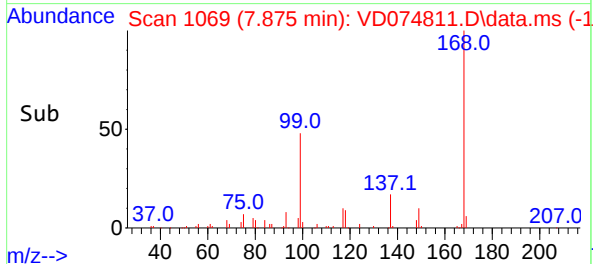
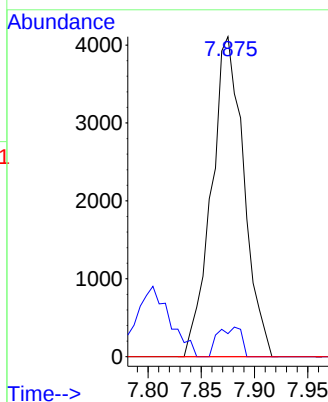
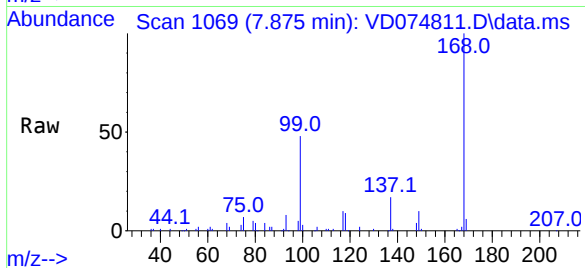




#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 7.875 min Scan# 1091
Delta R.T. -0.130 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

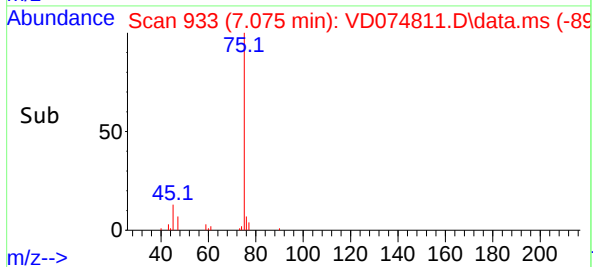
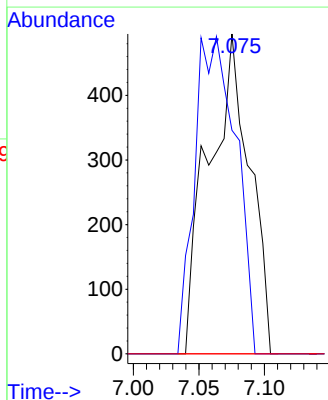
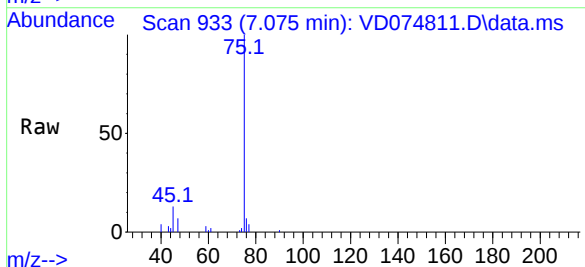
Instrument :
MSVOA_D
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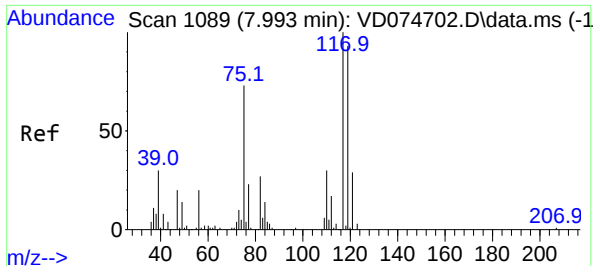
Tgt Ion: 75 Resp: 8665
Ion Ratio Lower Upper
75 100
110 6.8 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.847 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.094 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

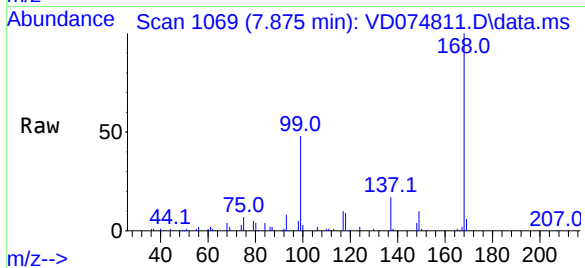
Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
61 99.8 12.2 18.4#
70 0.0 9.6 14.4#



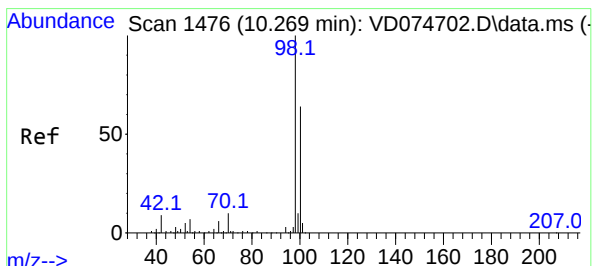
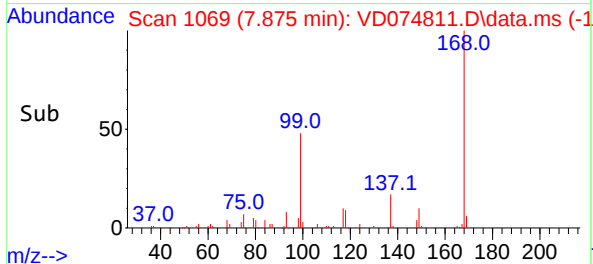
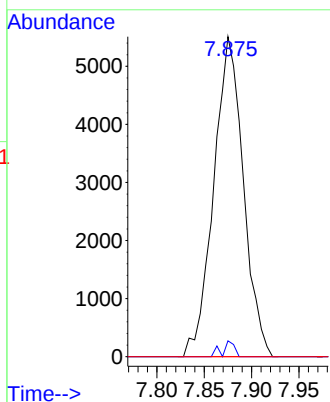


#38
Carbon Tetrachloride
Concen: 7.262 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

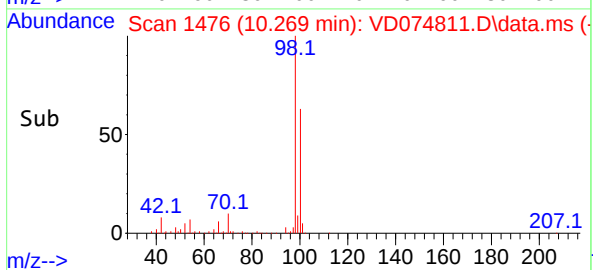
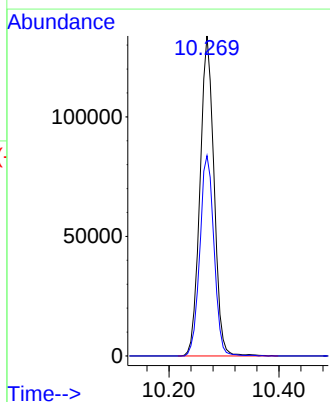
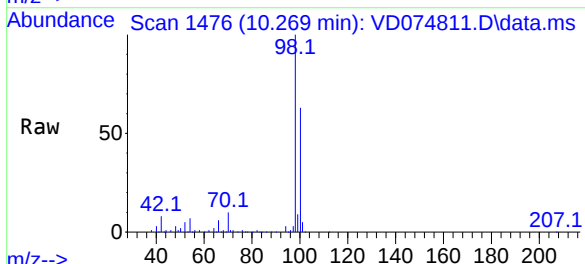


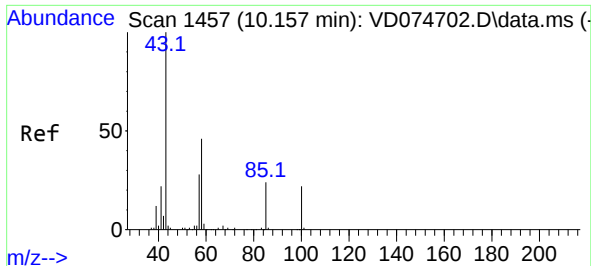
Tgt Ion:117 Resp: 12003
Ion Ratio Lower Upper
117 100
119 5.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 56.492 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Tgt Ion: 98 Resp: 236840
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.255 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD074811.D

Acq: 08 Nov 2022 18:48

Instrument :

MSVOA_D

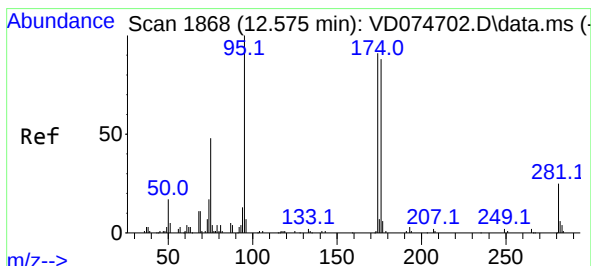
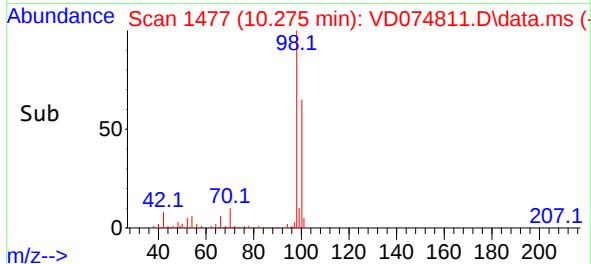
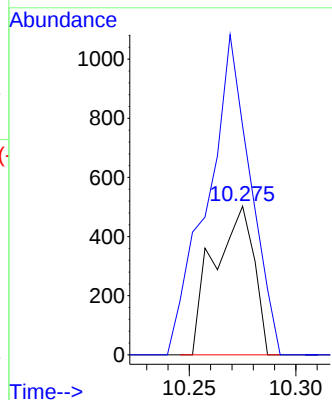
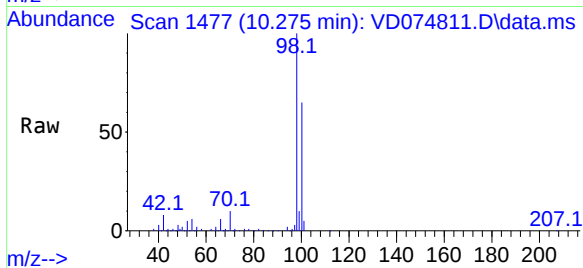
ClientSampleId :

Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

43 100

58 230.5 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 55.671 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074811.D

Acq: 08 Nov 2022 18:48

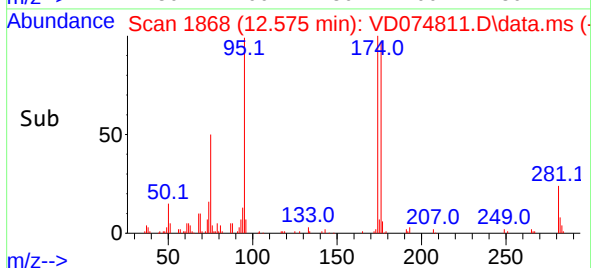
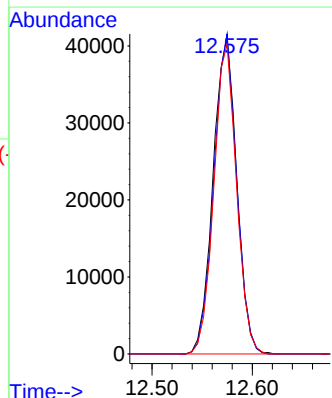
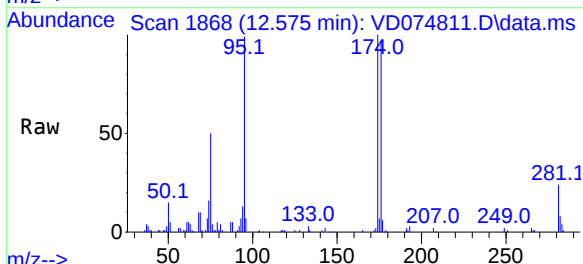
Tgt Ion: 95 Resp: 67389

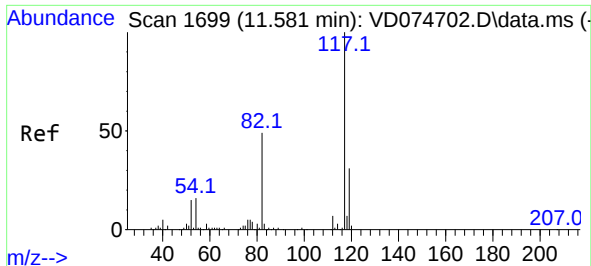
Ion Ratio Lower Upper

95 100

174 97.4 0.0 197.0

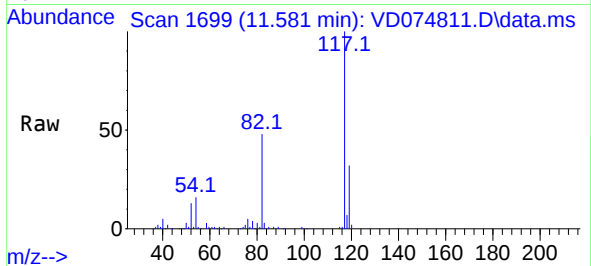
176 93.4 0.0 182.6



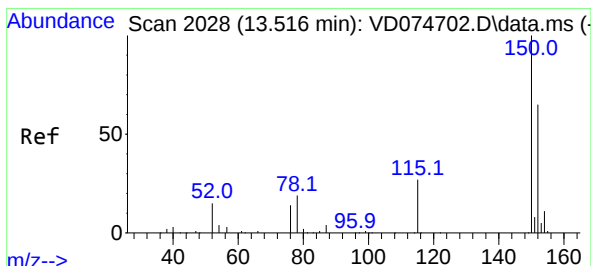
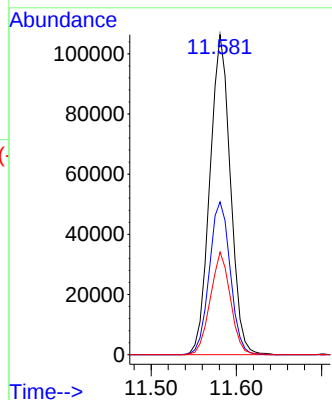
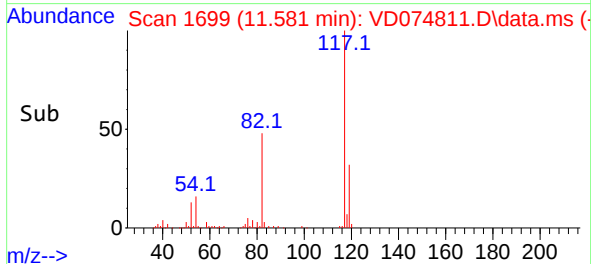


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

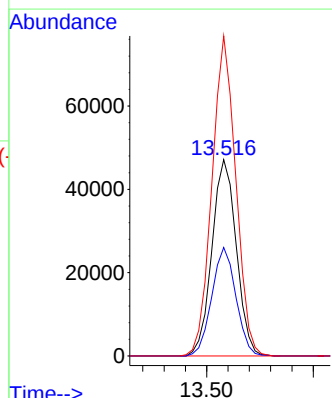
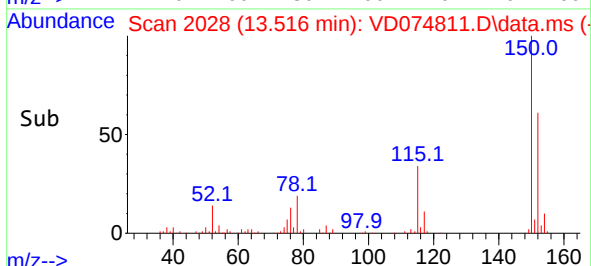
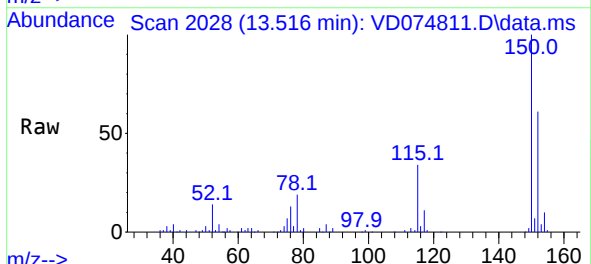


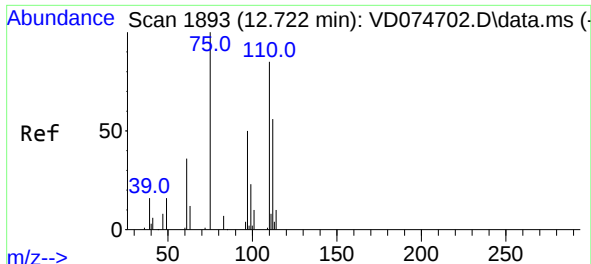
Tgt Ion:117 Resp: 178329
Ion Ratio Lower Upper
117 100
82 47.8 41.6 62.4
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Tgt Ion:152 Resp: 74895
Ion Ratio Lower Upper
152 100
115 54.6 26.8 80.4
150 159.0 0.0 348.2

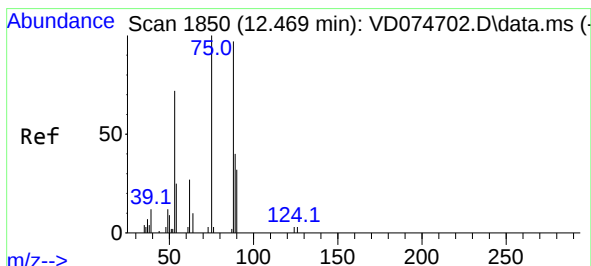
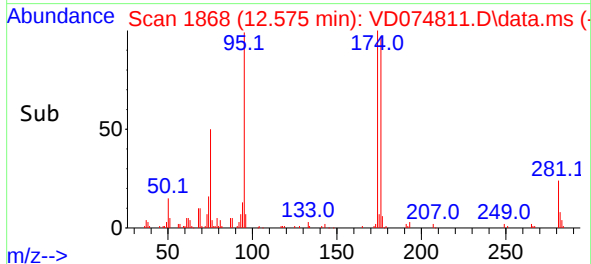
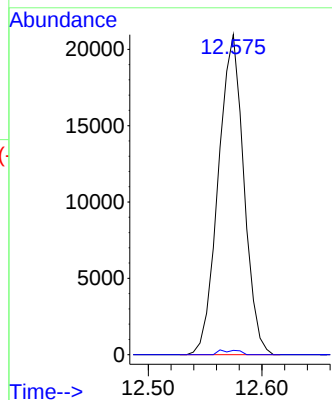
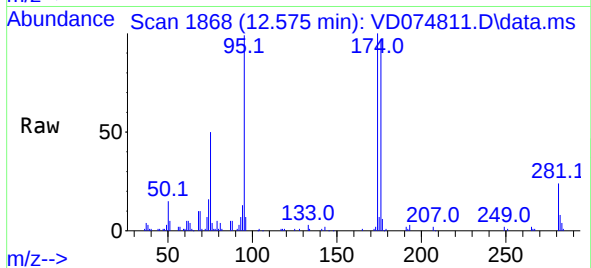




#76
1,2,3-Trichloropropane
Concen: 56.453 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 32776
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.005 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074811.D
Acq: 08 Nov 2022 18:48

Tgt Ion: 75 Resp: 32776
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

