

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074829.D
 Acq On : 09 Nov 2022 15:43
 Operator : VA/SY
 Sample : N5520-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124037

Quant Time: Nov 10 00:36:32 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)

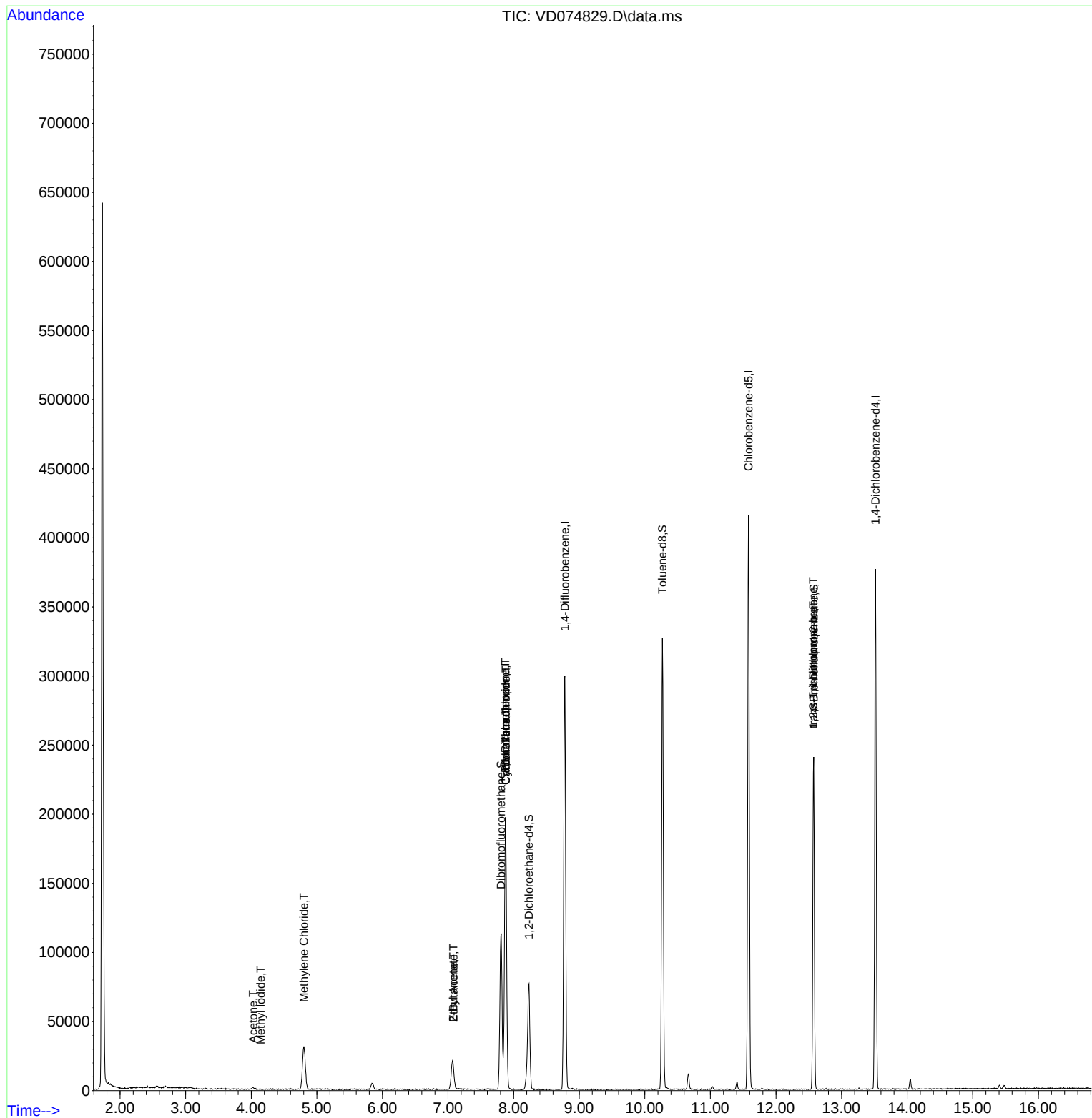
Internal Standards						
1) Pentafluorobenzene	7.875	168	160792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	289583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	108325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57472	45.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.260%
35) Dibromofluoromethane	7.810	113	83814	48.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.860%
50) Toluene-d8	10.269	98	239944	38.400	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.800%
62) 4-Bromofluorobenzene	12.575	95	72822	40.364	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.720%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.146	142	64	5.582	ug/l #	43
11) Tert butyl alcohol	5.040	59	79	Below Cal	#	84
16) Acetone	4.028	43	2198	8.271	ug/l	91
20) Methylene Chloride	4.805	84	27600	1.357	ug/l	95
25) 2-Butanone	7.081	43	1157	3.166	ug/l #	42
31) Cyclohexane	7.881	56	3048	1.182	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	11474	4.413	ug/l #	47
37) Ethyl Acetate	7.081	43	1157	1.334	ug/l #	1
38) Carbon Tetrachloride	7.881	117	14543	5.904	ug/l #	18
76) 1,2,3-Trichloropropane	12.569	75	36356	43.294	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	36356	102.770	ug/l #	17

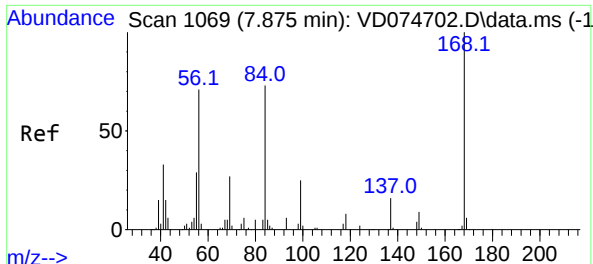
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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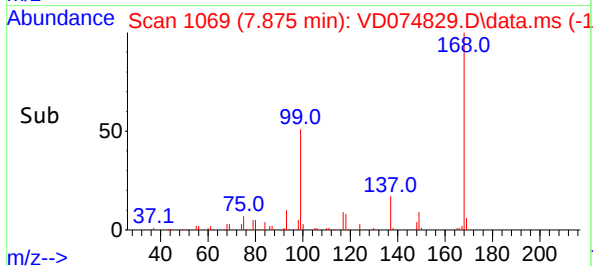
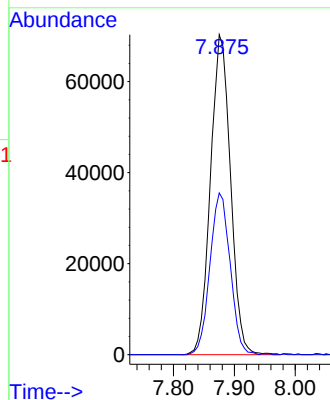
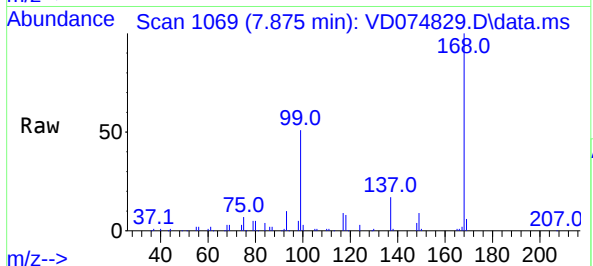




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

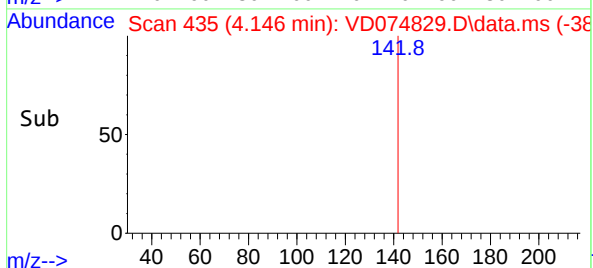
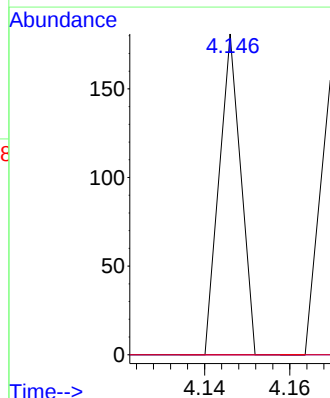
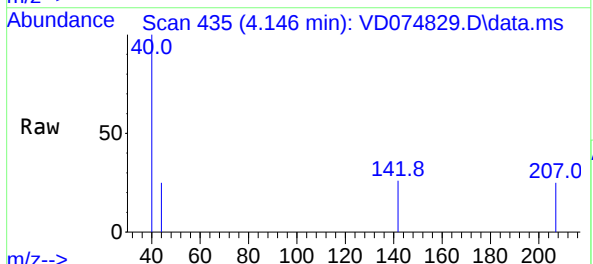
Instrument :
MSVOA_D
ClientSampleId :
124037

Tgt Ion:168 Resp: 160792
Ion Ratio Lower Upper
168 100
99 50.6 40.9 61.3



#10
Methyl Iodide
Concen: 5.582 ug/l
RT: 4.146 min Scan# 435
Delta R.T. -0.012 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

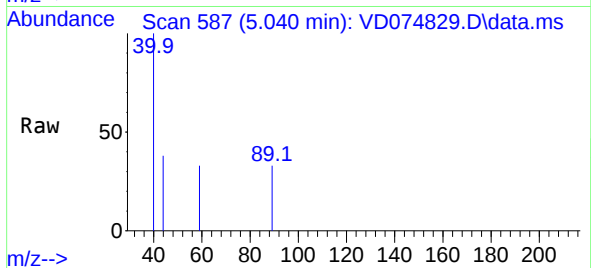
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



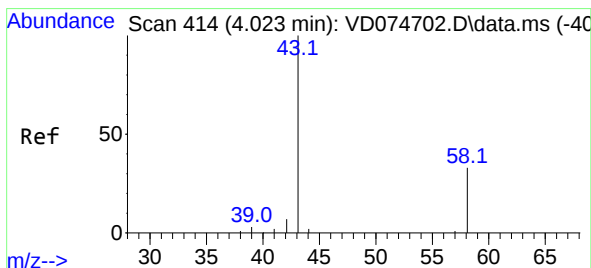
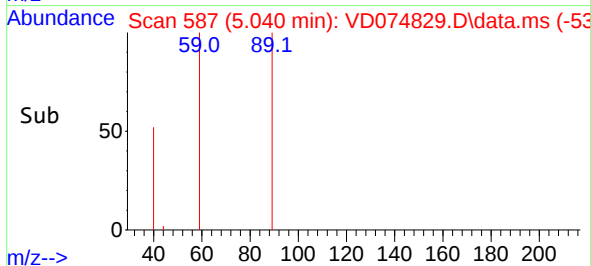
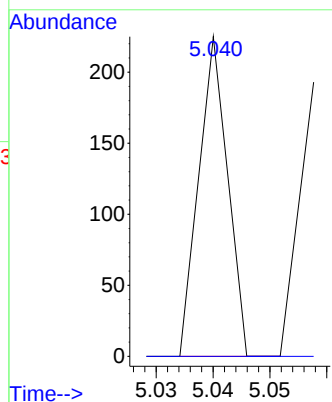


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Instrument :
MSVOA_D
ClientSampleId :
124037

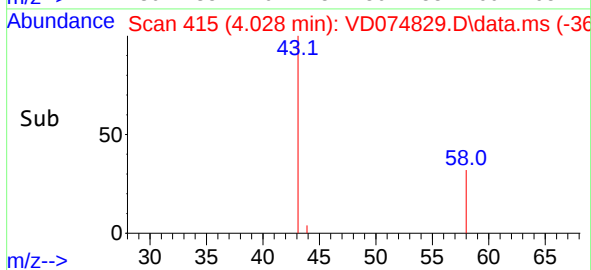
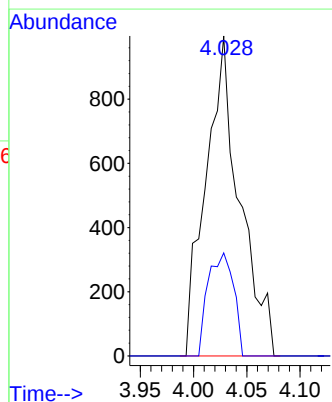
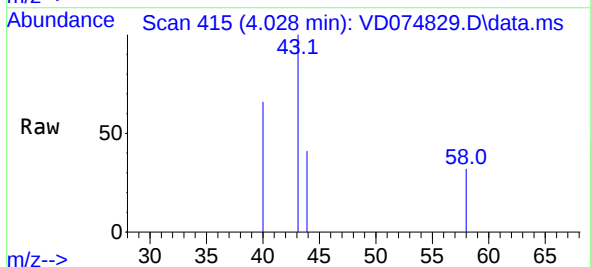


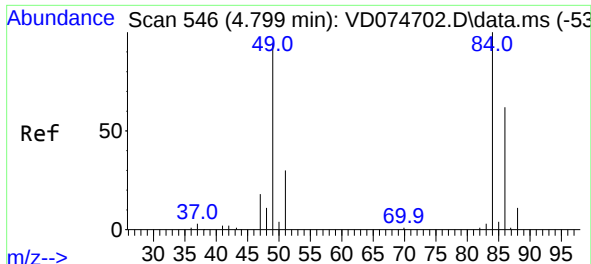
Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 8.271 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.005 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
58 32.2 30.2 45.2



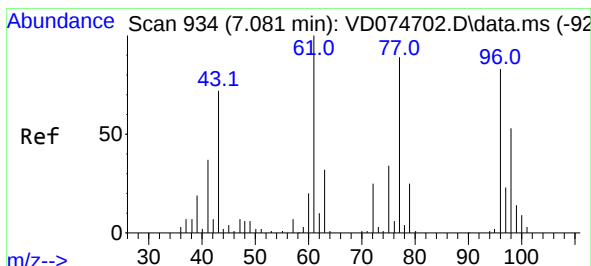
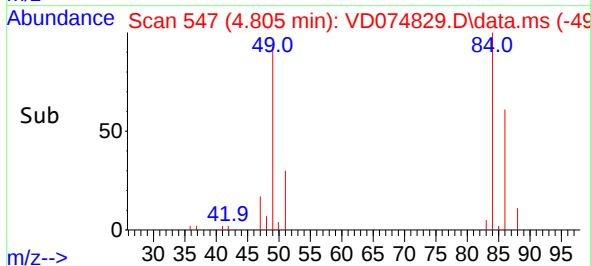
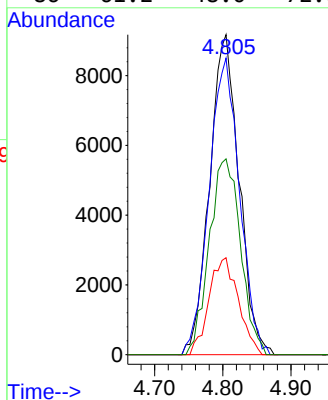
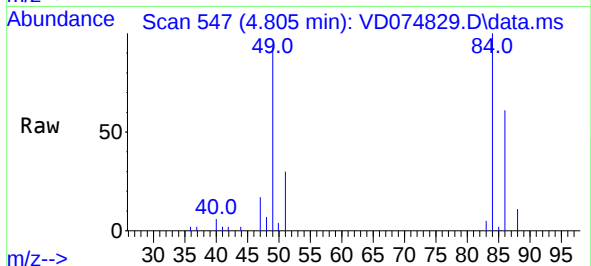


#20
Methylene Chloride
Concen: 1.357 ug/l
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Instrument :
MSVOA_D
ClientSampleId :
124037

Tgt Ion: 84 Resp: 27600

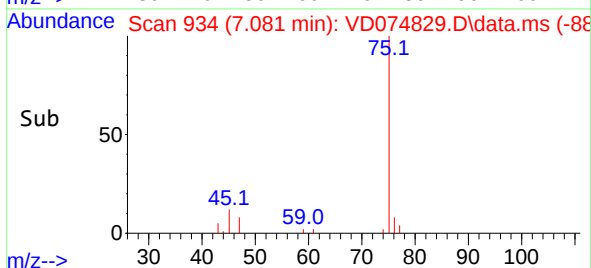
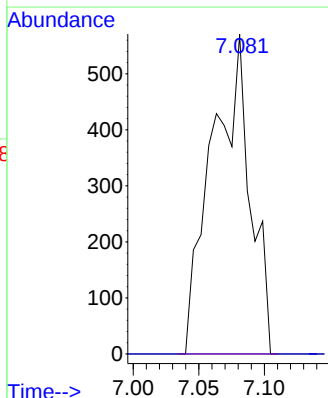
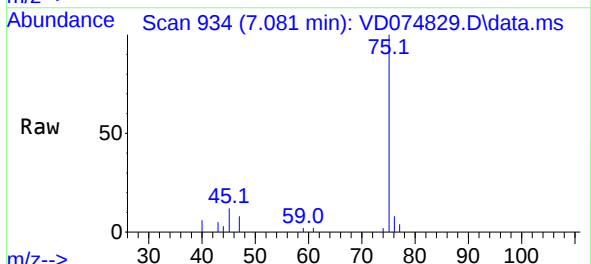
Ion	Ratio	Lower	Upper
84	100		
49	92.7	68.0	102.0
51	30.3	23.2	34.8
86	61.2	48.0	72.0

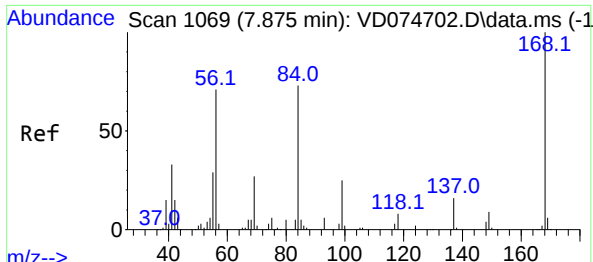


#25
2-Butanone
Concen: 3.166 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Tgt Ion: 43 Resp: 1157

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

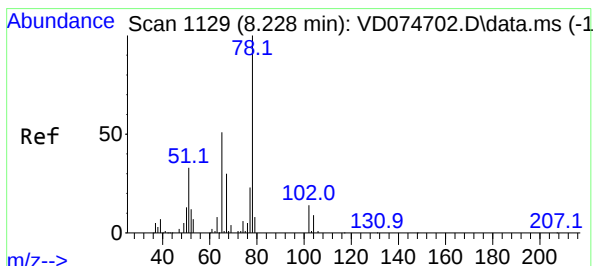
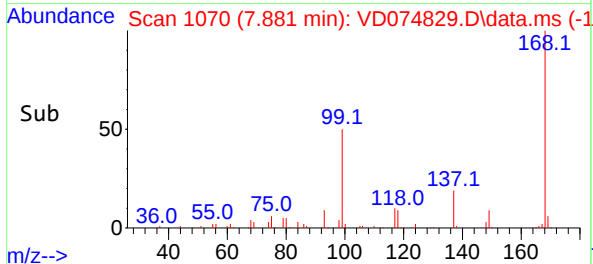
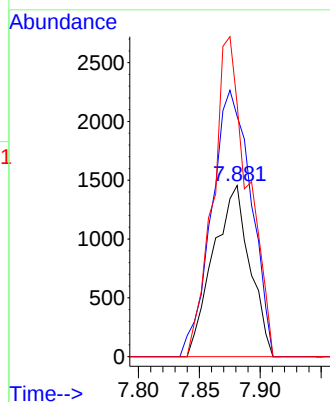
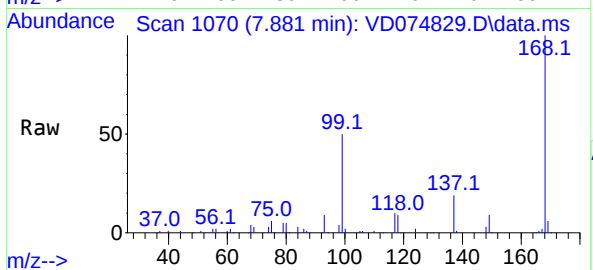




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

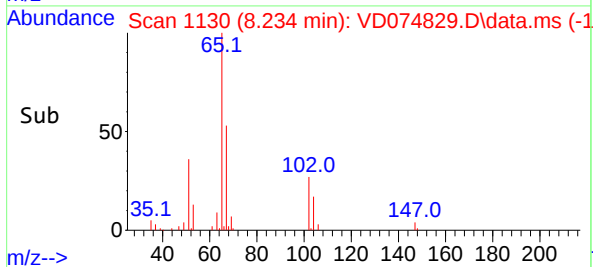
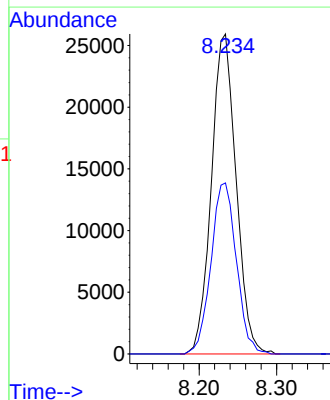
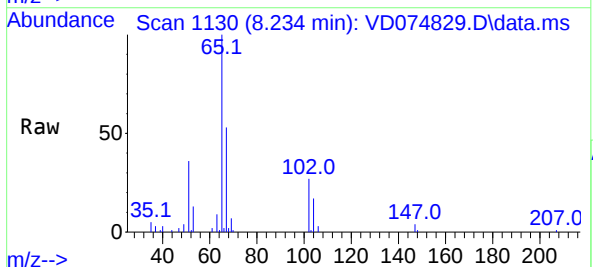
Instrument :
MSVOA_D
ClientSampleId :
124037

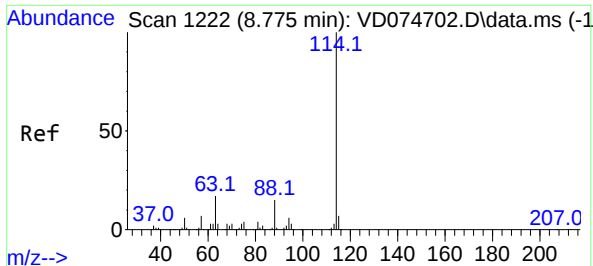
Tgt Ion: 56 Resp: 3048
Ion Ratio Lower Upper
56 100
69 140.5 29.2 43.8#
84 147.6 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 45.129 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Tgt Ion: 65 Resp: 57472
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074829.D

Acq: 09 Nov 2022 15:43

Instrument :

MSVOA_D

ClientSampleId :

124037

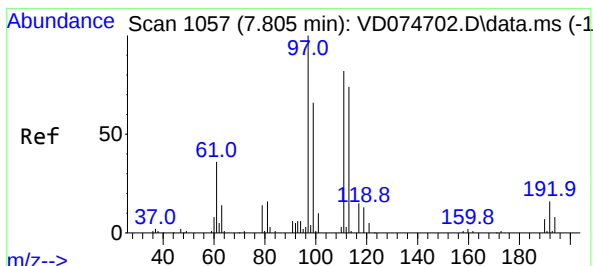
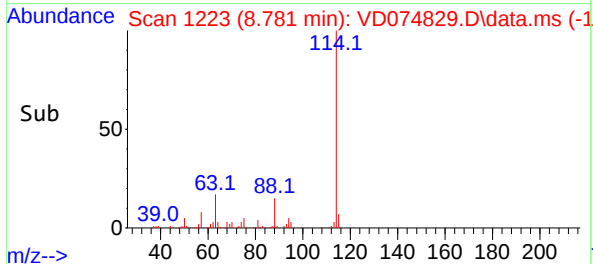
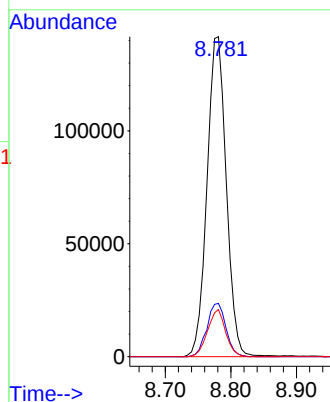
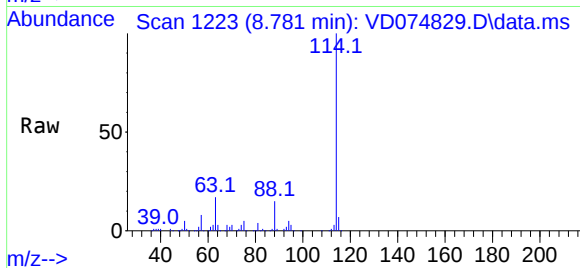
Tgt Ion:114 Resp: 289583

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.2

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.928 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074829.D

Acq: 09 Nov 2022 15:43

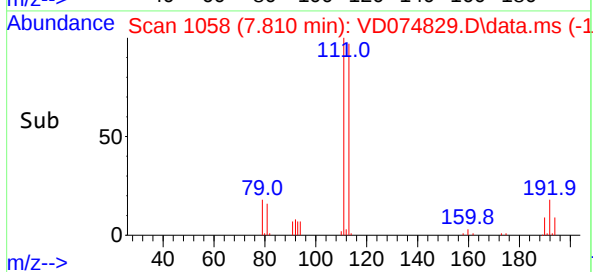
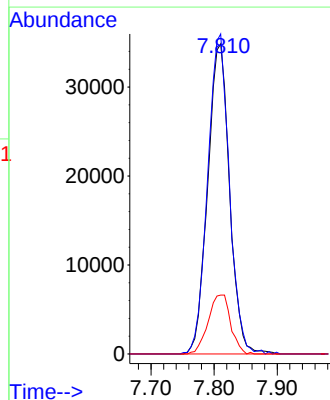
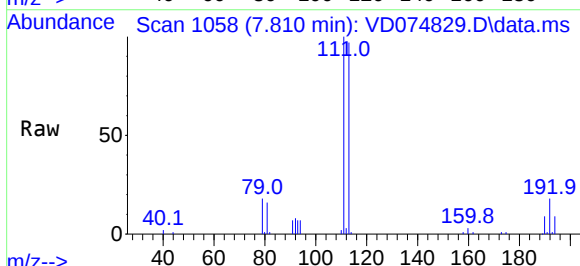
Tgt Ion:113 Resp: 83814

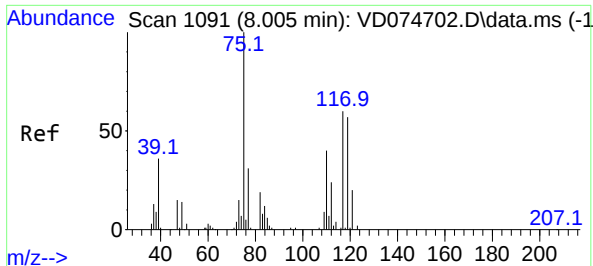
Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 19.5 16.4 24.6

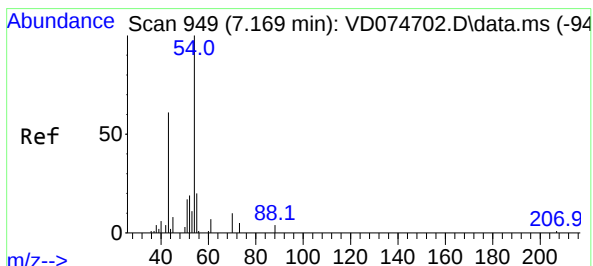
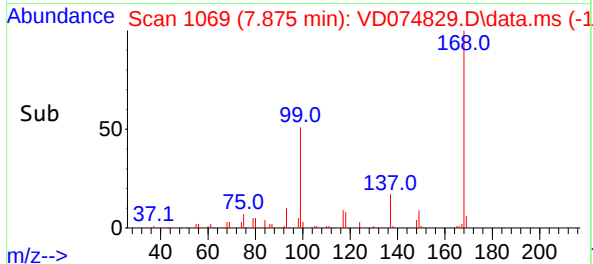
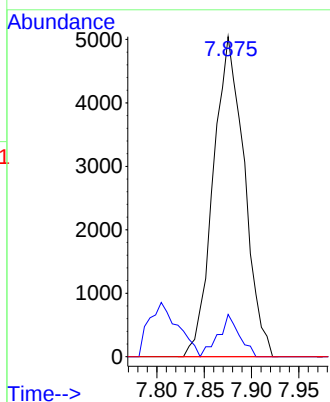
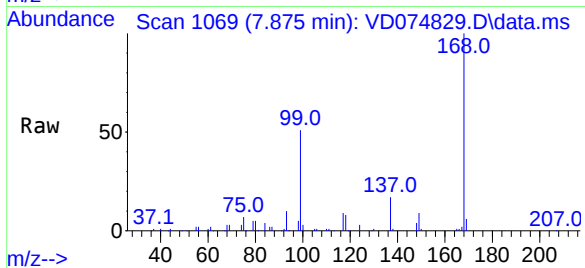




#36
1,1-Dichloropropene
Concen: 4.413 ug/l
RT: 7.875 min Scan# 11
Delta R.T. -0.130 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

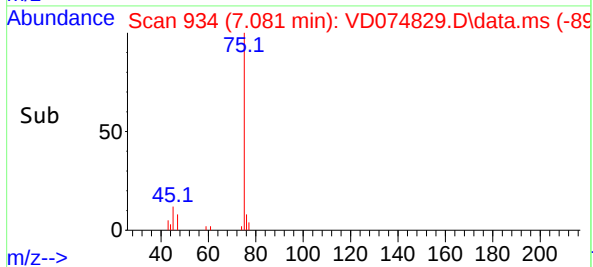
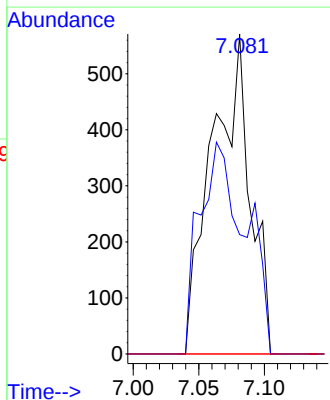
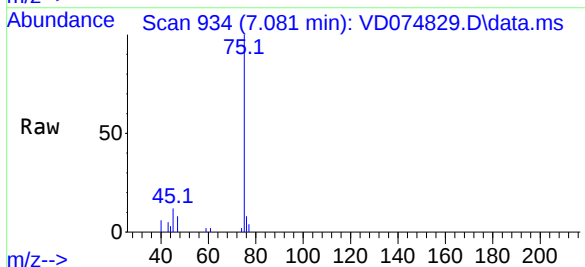
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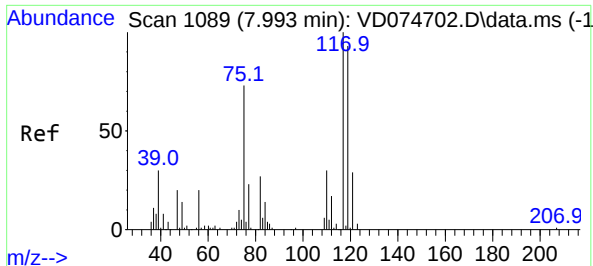
Tgt Ion: 75 Resp: 11474
Ion Ratio Lower Upper
75 100
110 8.9 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.334 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.088 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
61 79.3 12.2 18.4#
70 0.0 9.6 14.4#

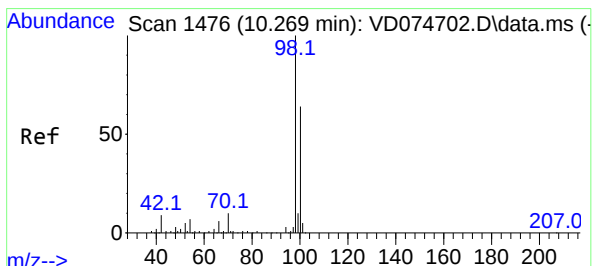
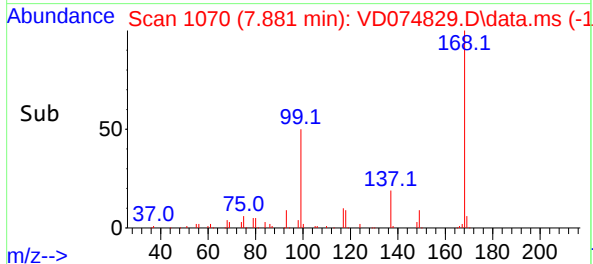
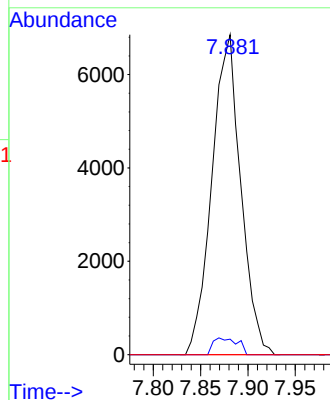
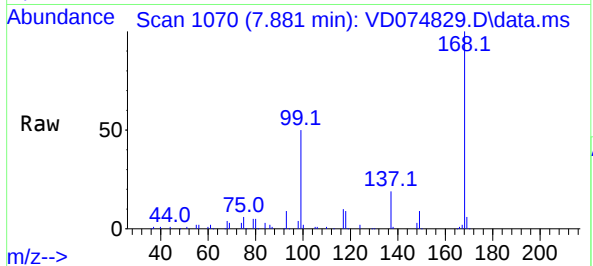




#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

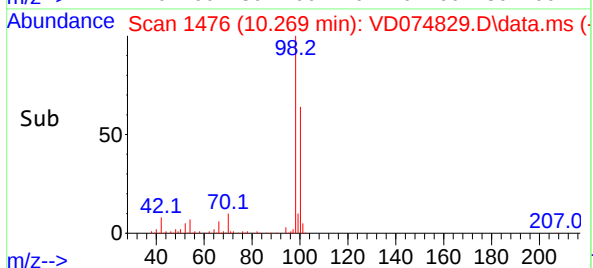
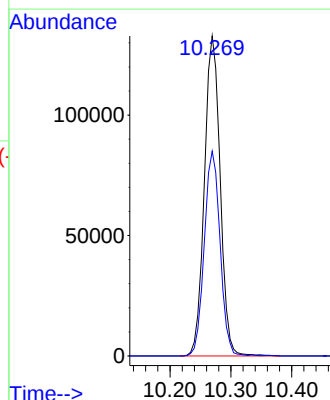
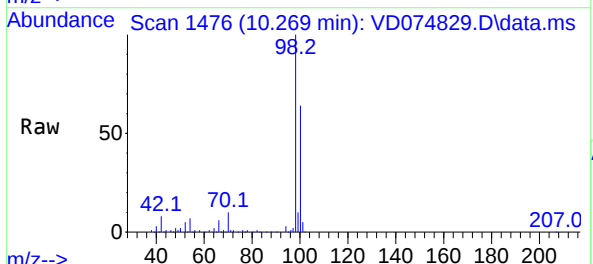
Instrument :
MSVOA_D
ClientSampleId :
124037

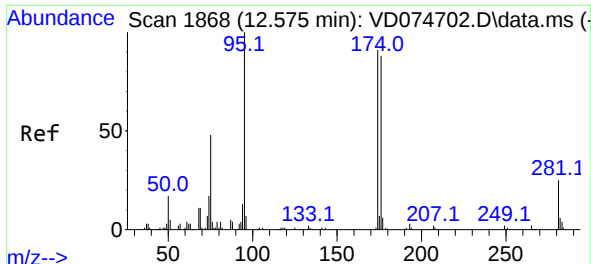
Tgt Ion:117 Resp: 14543
Ion Ratio Lower Upper
117 100
119 4.8 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 38.400 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

Tgt Ion: 98 Resp: 239944
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

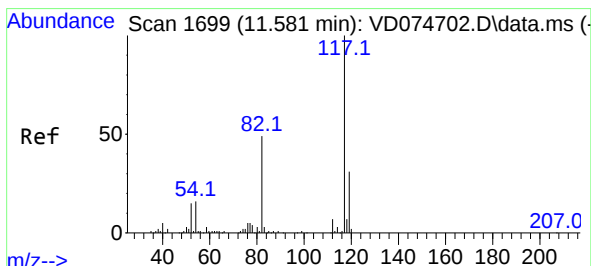
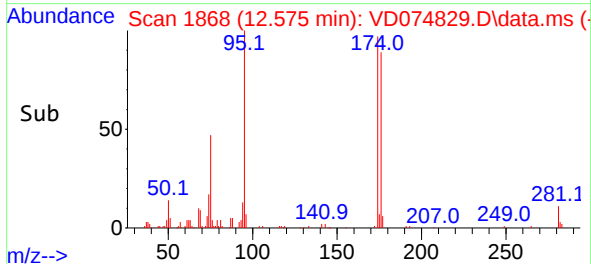
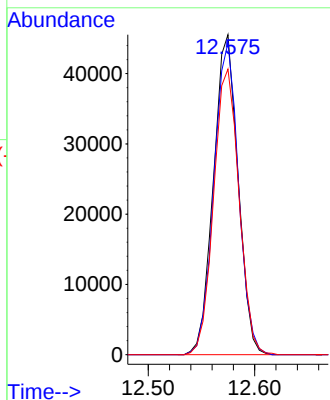
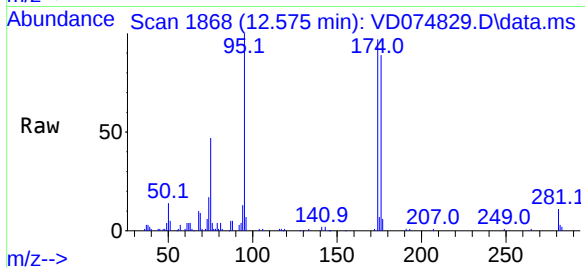




#62
4-Bromofluorobenzene
Concen: 40.364 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

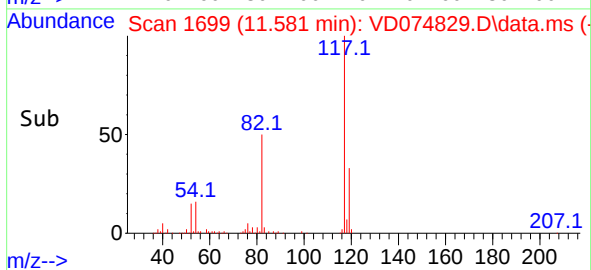
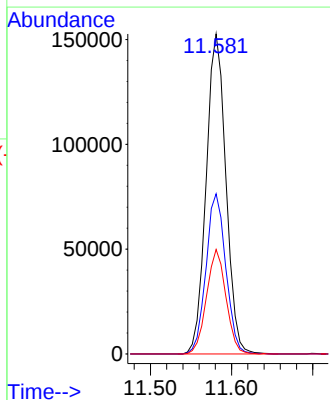
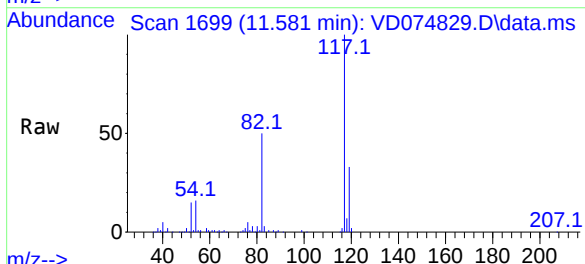
Instrument :
MSVOA_D
ClientSampleId :
124037

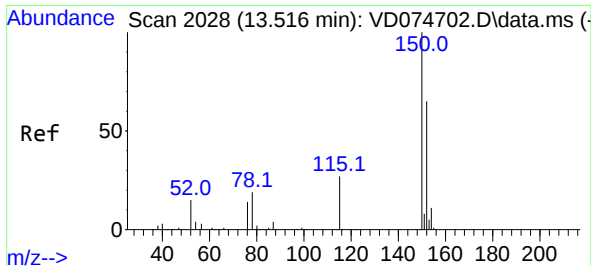
Tgt Ion: 95 Resp: 72822
Ion Ratio Lower Upper
95 100
174 97.6 0.0 197.0
176 92.2 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074829.D
Acq: 09 Nov 2022 15:43

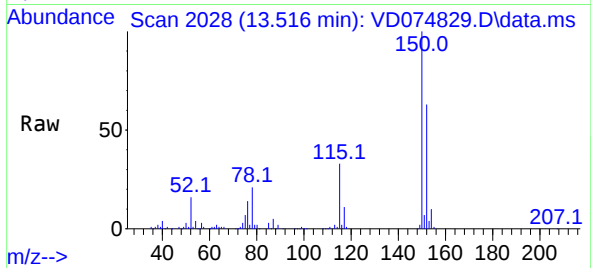
Tgt Ion: 117 Resp: 257893
Ion Ratio Lower Upper
117 100
82 50.0 41.6 62.4
119 32.6 25.2 37.8



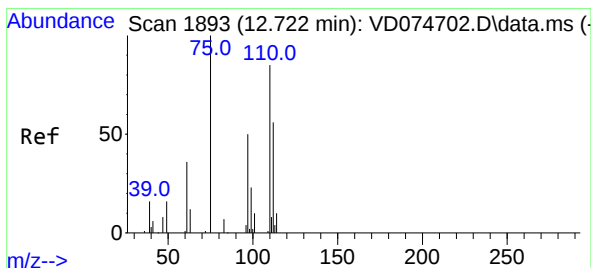
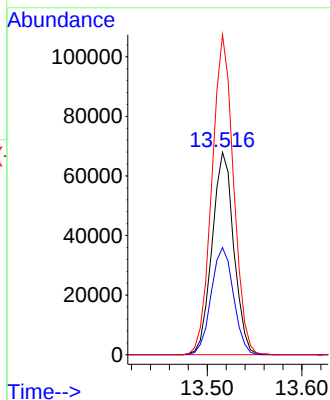
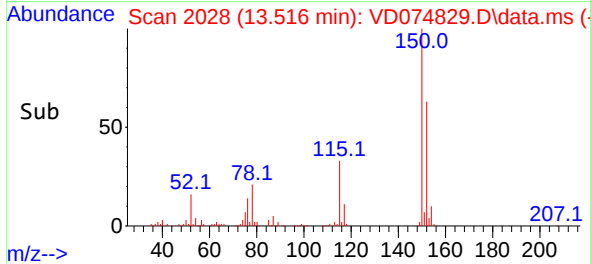


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074829.D
 Acq: 09 Nov 2022 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 124037

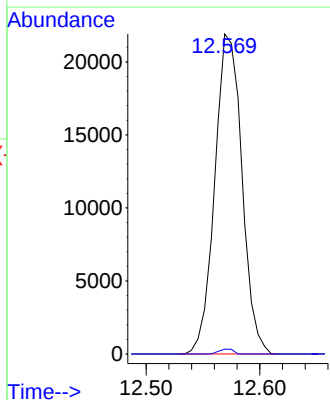
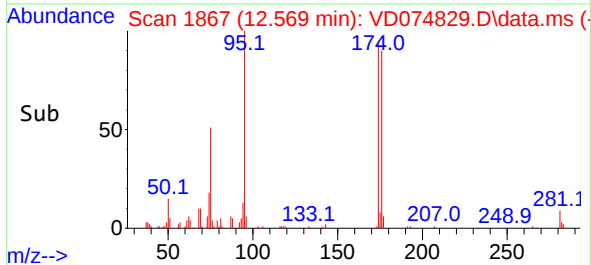
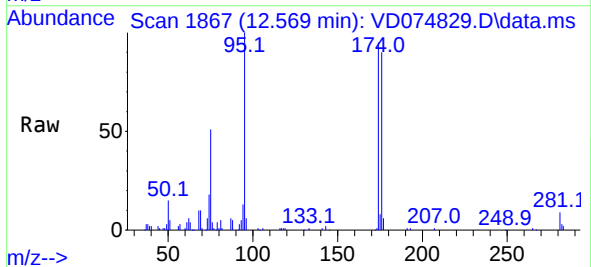


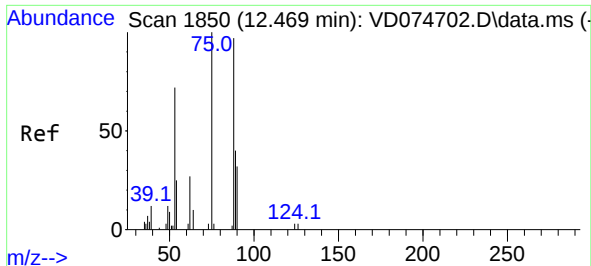
Tgt Ion:152 Resp: 108325
 Ion Ratio Lower Upper
 152 100
 115 54.3 26.8 80.4
 150 156.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 43.294 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD074829.D
 Acq: 09 Nov 2022 15:43

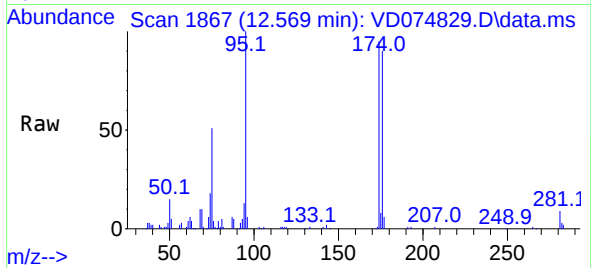
Tgt Ion: 75 Resp: 36356
 Ion Ratio Lower Upper
 75 100
 77 0.8 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.770 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074829.D
 Acq: 09 Nov 2022 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 124037



Tgt Ion:	75	Resp:	36356
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

