

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111022\
 Data File : VD074875.D
 Acq On : 10 Nov 2022 18:38
 Operator : VA/SY
 Sample : N5518-01RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAT-02-110822

Quant Time: Nov 11 07:19:14 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)

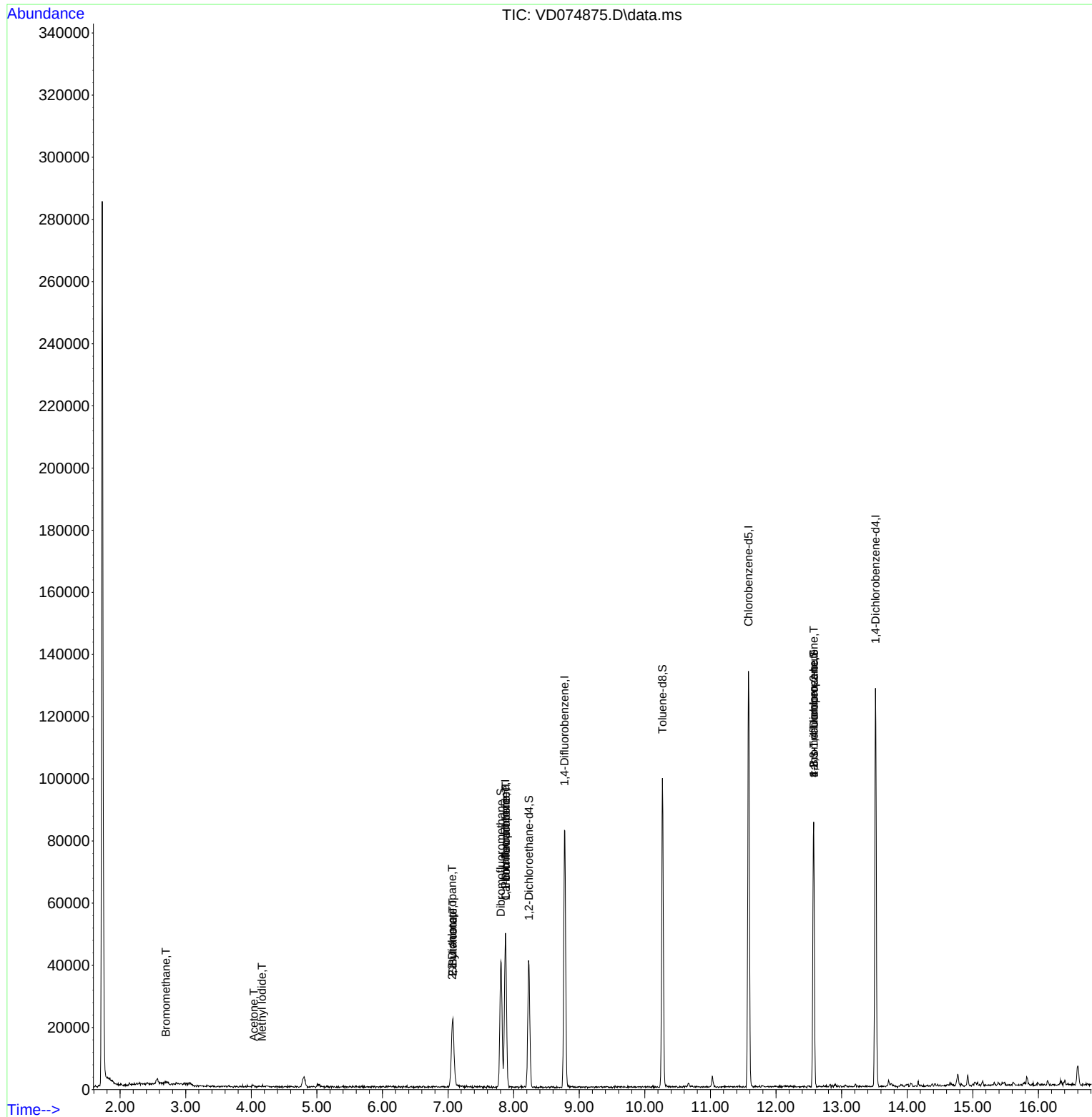
Internal Standards						
1) Pentafluorobenzene	7.875	168	41003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	81354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	85007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	37236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	31225	96.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.300%#			
35) Dibromofluoromethane	7.804	113	29802	61.927	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.860%			
50) Toluene-d8	10.269	98	72005	41.018	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.040%			
62) 4-Bromofluorobenzene	12.575	95	26570	52.422	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.840%			
Target Compounds			Qvalue			
5) Bromomethane	2.699	94	578	1.294	ug/l #	76
10) Methyl Iodide	4.163	142	201	5.873	ug/l #	43
11) Tert butyl alcohol	5.052	59	177	Below Cal	#	84
16) Acetone	4.040	43	998	14.726	ug/l #	37
20) Methylene Chloride	4.793	84	1459	Below Cal		92
25) 2-Butanone	7.069	43	951	10.206	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	1649	2.429	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	3062	4.192	ug/l #	41
37) Ethyl Acetate	7.069	43	951	3.903	ug/l #	1
38) Carbon Tetrachloride	7.881	117	4056	5.861	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	13713	47.507	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	13713	112.769	ug/l #	17

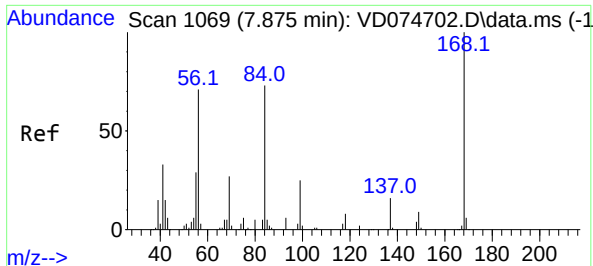
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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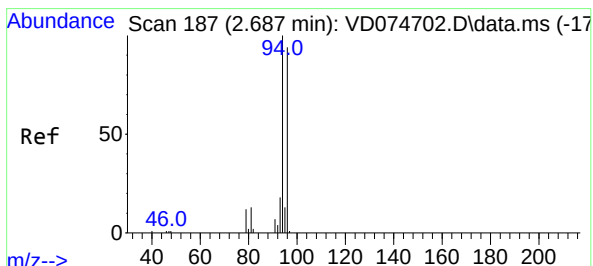
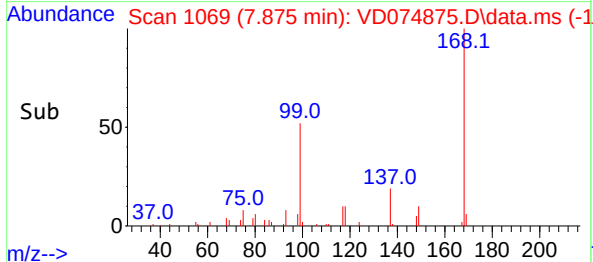
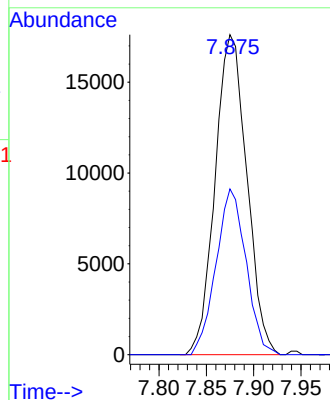
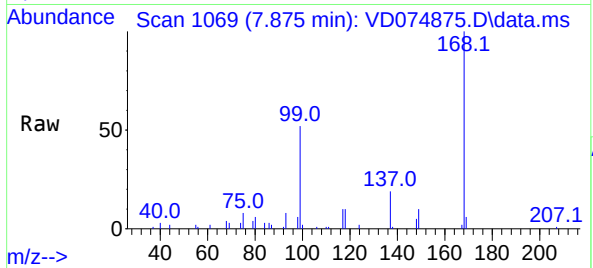




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

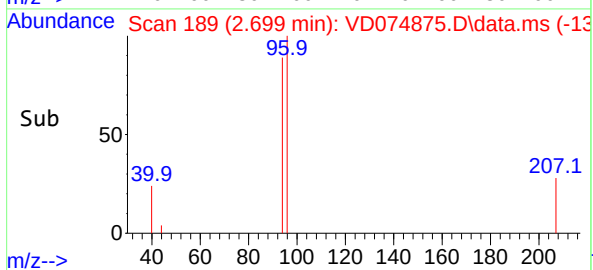
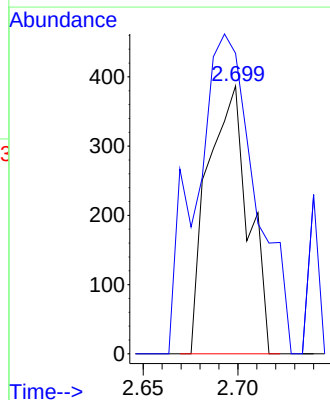
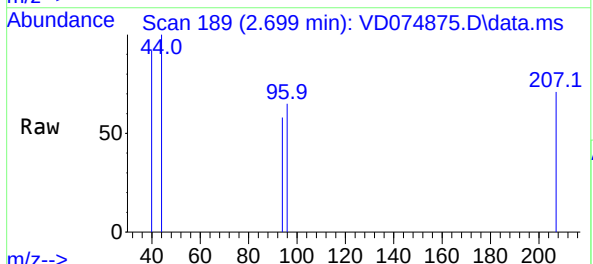
Instrument :
MSVOA_D
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PAT-02-110822

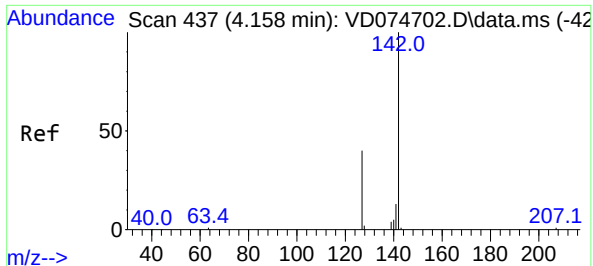
Tgt Ion:168 Resp: 41003
Ion Ratio Lower Upper
168 100
99 51.8 40.9 61.3



#5
Bromomethane
Concen: 1.294 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion: 94 Resp: 578
Ion Ratio Lower Upper
94 100
96 70.5 74.6 112.0#





#10

Methyl Iodide

Concen: 5.873 ug/l

RT: 4.163 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD074875.D

Acq: 10 Nov 2022 18:38

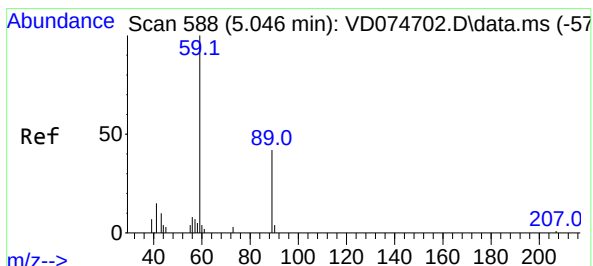
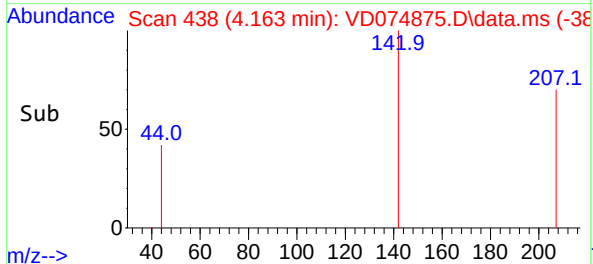
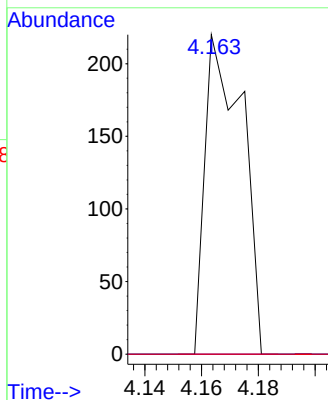
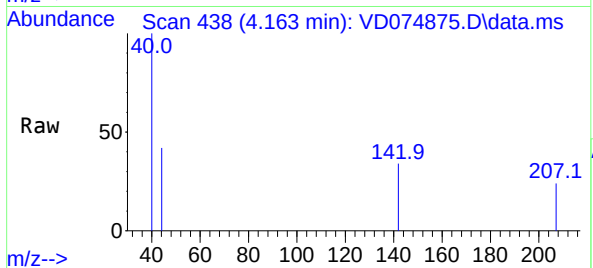
Instrument :

MSVOA_D

ClientSampleId :

PAT-02-110822

Tgt Ion:	142	Resp:	201
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

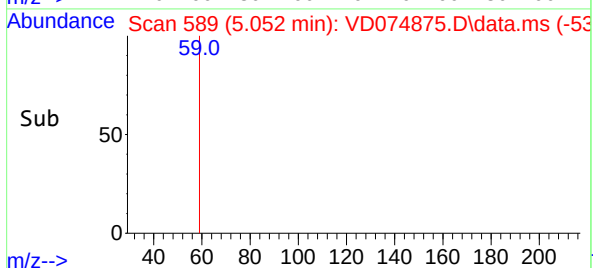
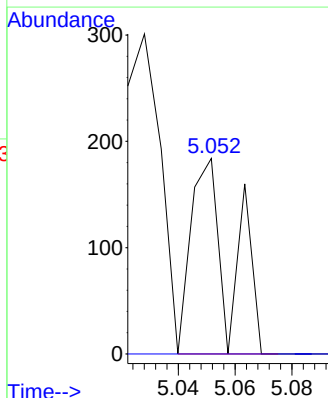
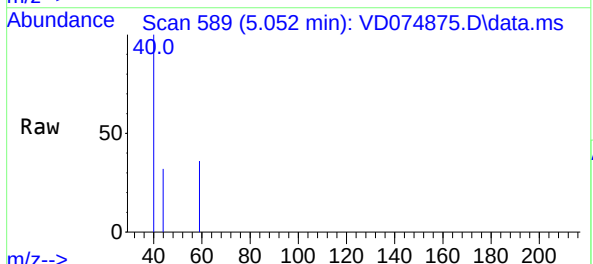
RT: 5.052 min Scan# 589

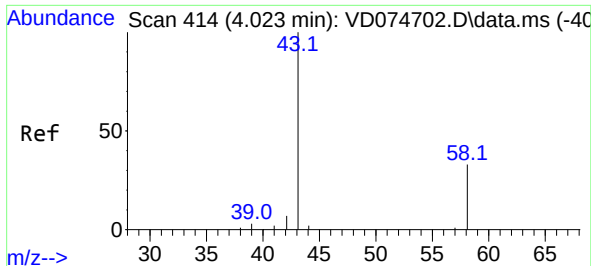
Delta R.T. 0.006 min

Lab File: VD074875.D

Acq: 10 Nov 2022 18:38

Tgt Ion:	59	Resp:	177
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.4	6.6#

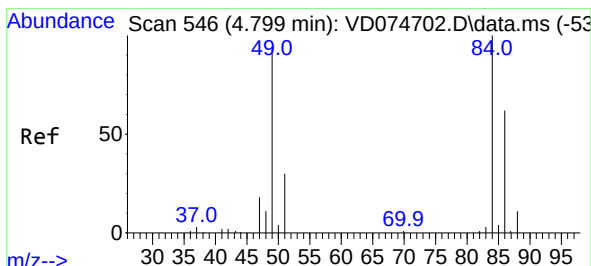
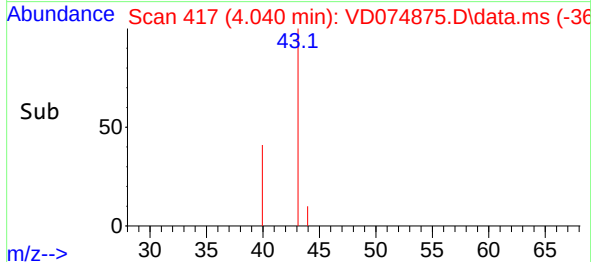
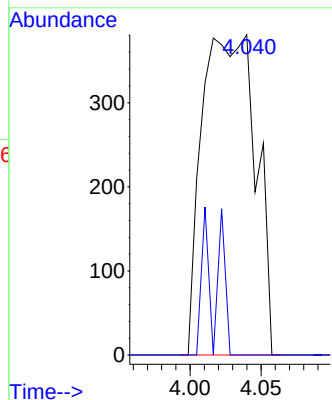
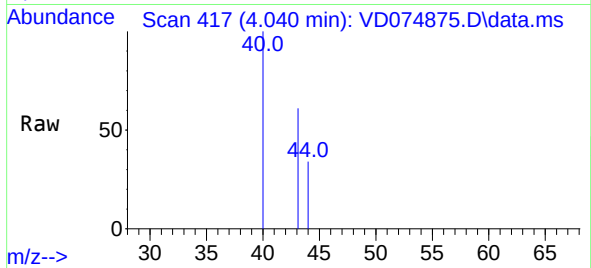




#16
Acetone
Concen: 14.726 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

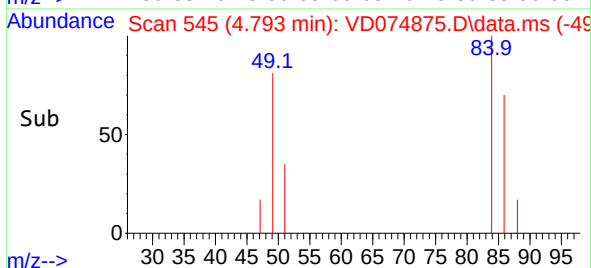
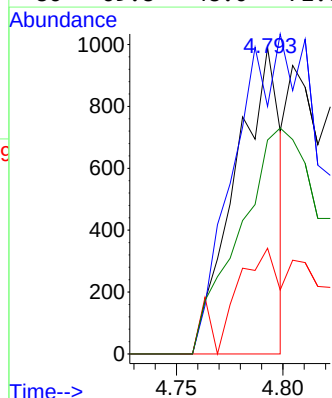
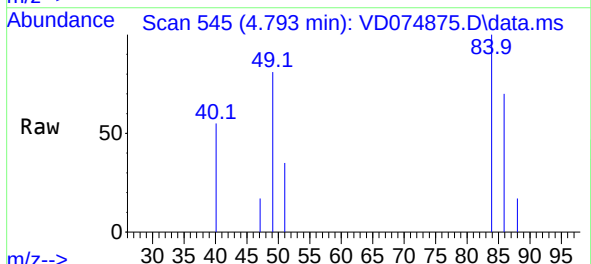
Instrument :
MSVOA_D
ClientSampleId :
PAT-02-110822

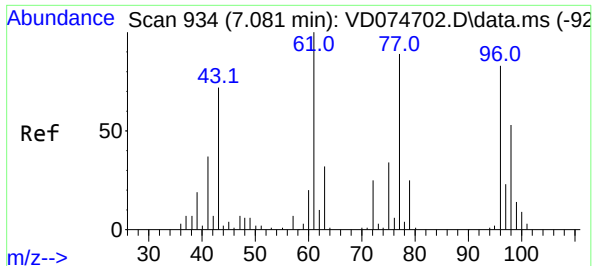
Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion: 84 Resp: 1459
Ion Ratio Lower Upper
84 100
49 80.8 68.0 102.0
51 34.5 23.2 34.8
86 69.8 48.0 72.0

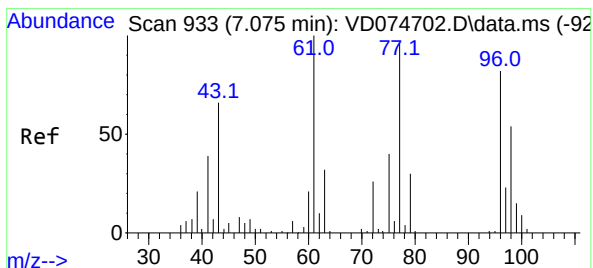
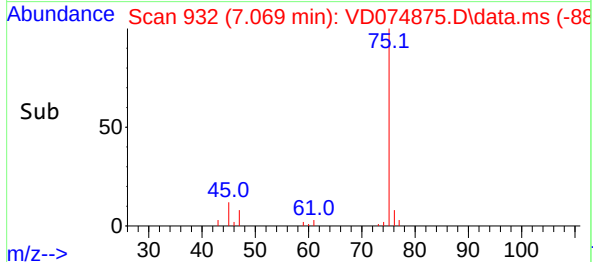
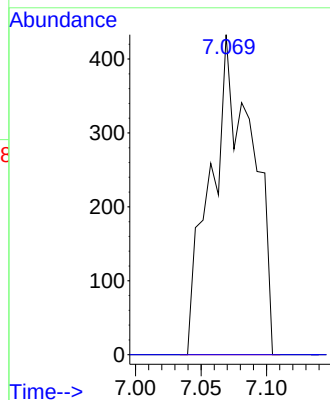
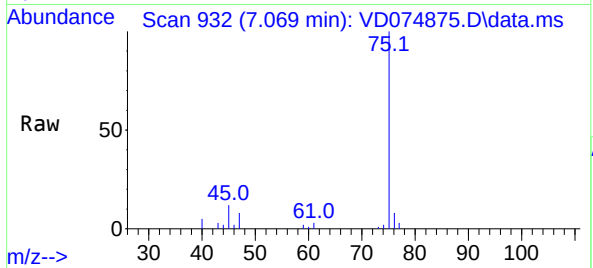




#25
2-Butanone
Concen: 10.206 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

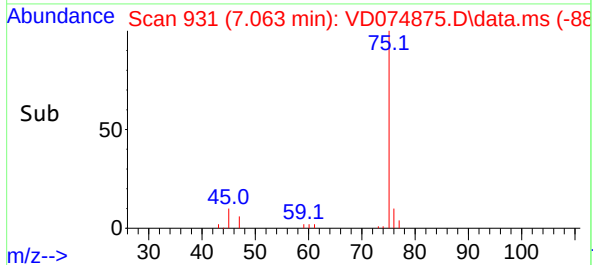
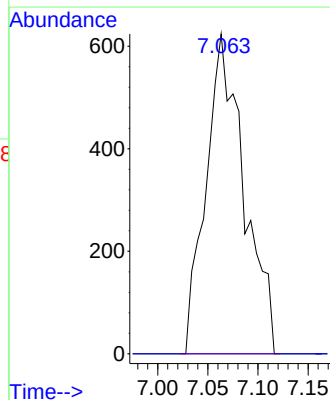
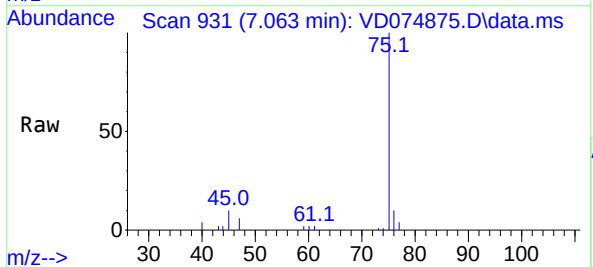
Instrument :
MSVOA_D
ClientSampleId :
PAT-02-110822

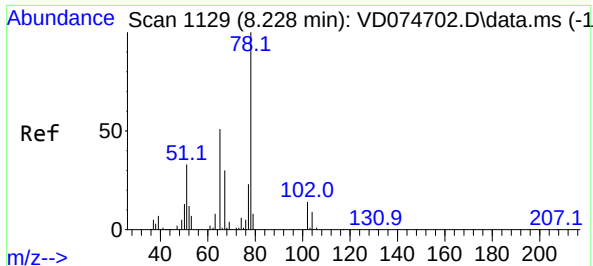
Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 2.429 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.012 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion: 77 Resp: 1649
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 96.150 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074875.D

Acq: 10 Nov 2022 18:38

Instrument :

MSVOA_D

ClientSampleId :

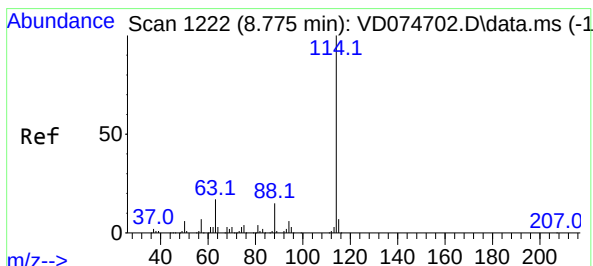
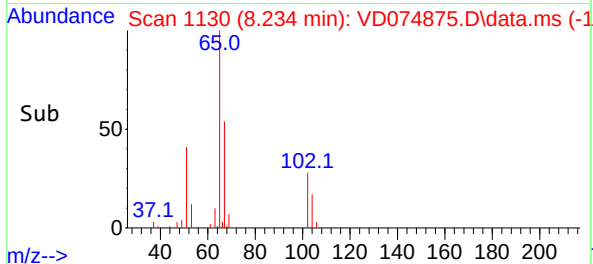
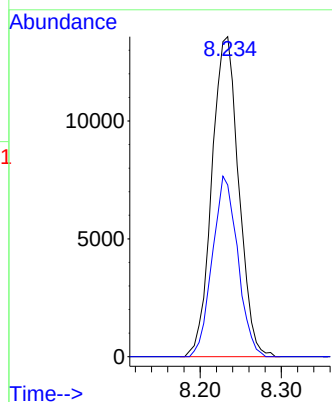
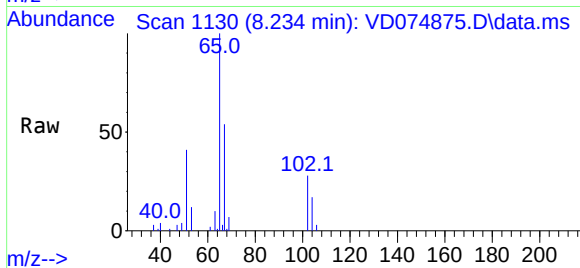
PAT-02-110822

Tgt Ion: 65 Resp: 31225

Ion Ratio Lower Upper

65 100

67 53.2 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: VD074875.D

Acq: 10 Nov 2022 18:38

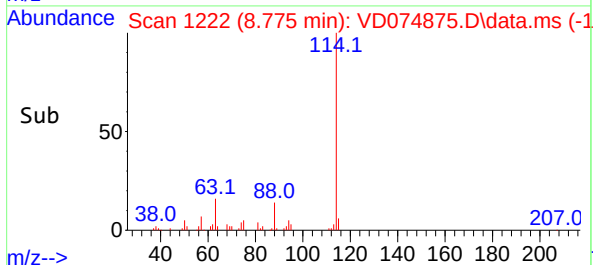
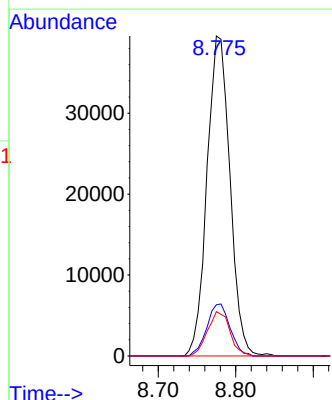
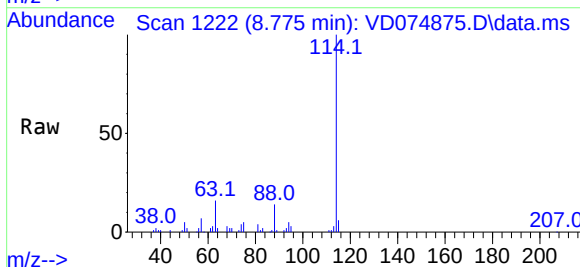
Tgt Ion: 114 Resp: 81354

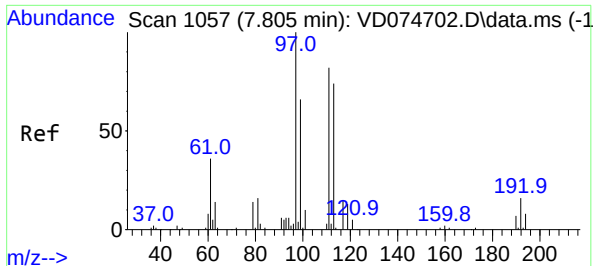
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 13.9 0.0 28.2

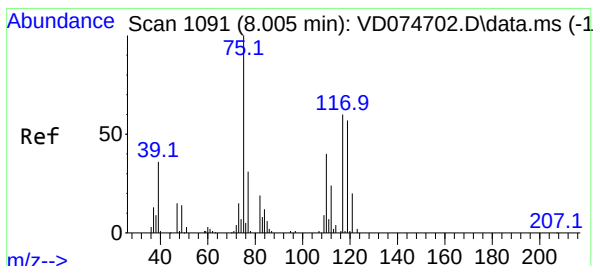
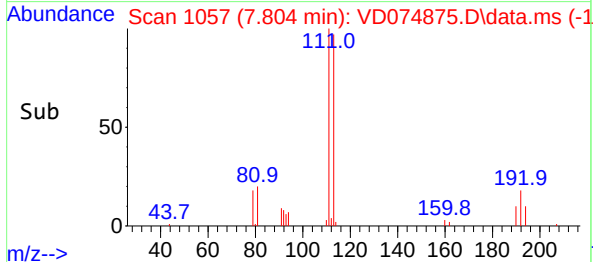
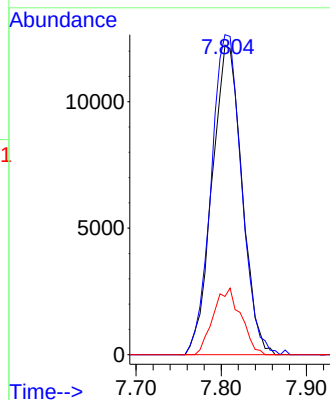
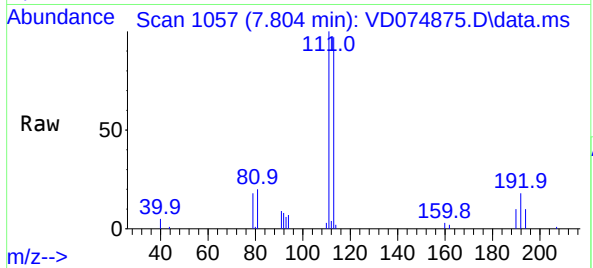




#35
Dibromofluoromethane
Concen: 61.927 ug/l
RT: 7.804 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

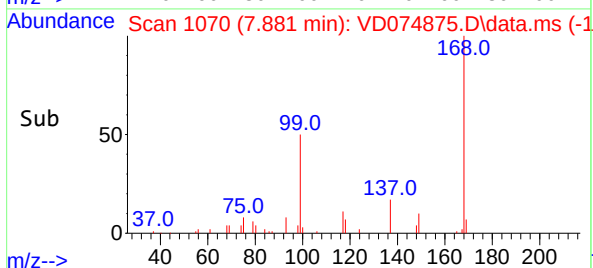
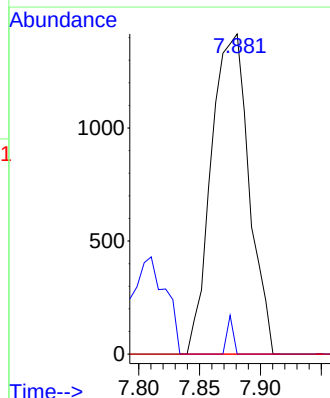
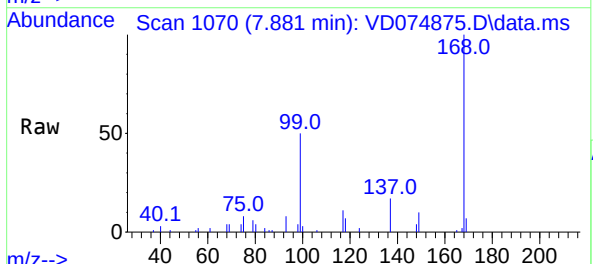
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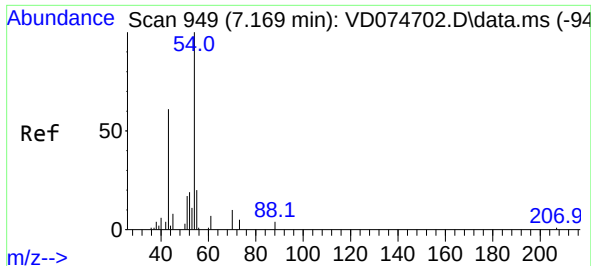
Tgt Ion:	113	Resp:	29802
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	19.9	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.192 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion:	75	Resp:	3062
Ion	Ratio	Lower	Upper
75	100		
110	2.0	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 3.903 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD074875.D

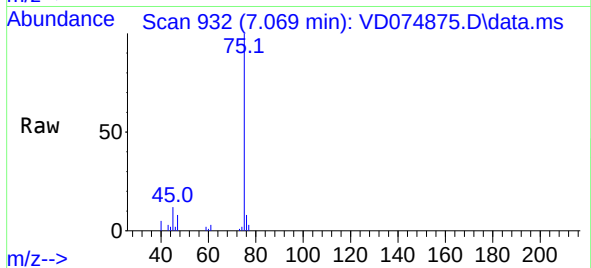
Acq: 10 Nov 2022 18:38

Instrument :

MSVOA_D

ClientSampleId :

PAT-02-110822



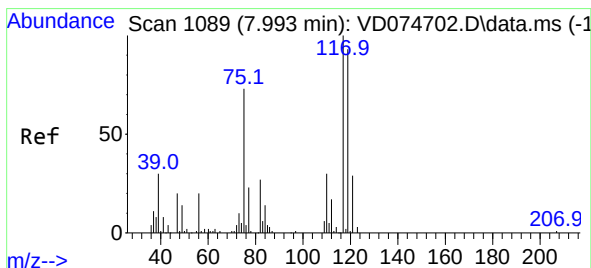
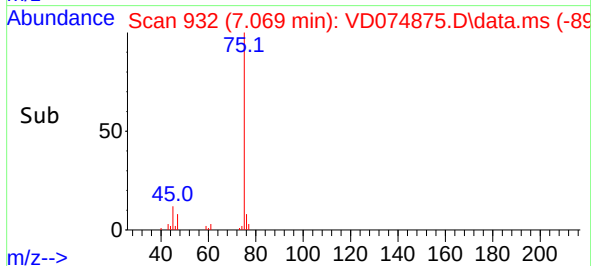
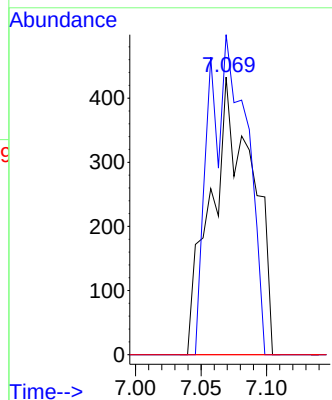
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

61 105.2 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 5.861 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD074875.D

Acq: 10 Nov 2022 18:38

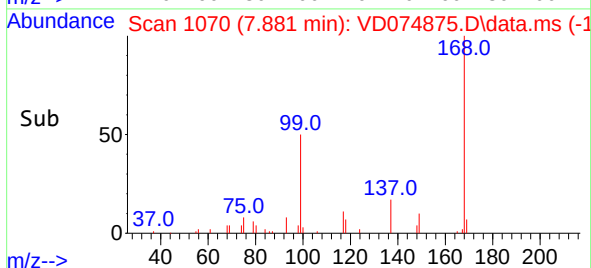
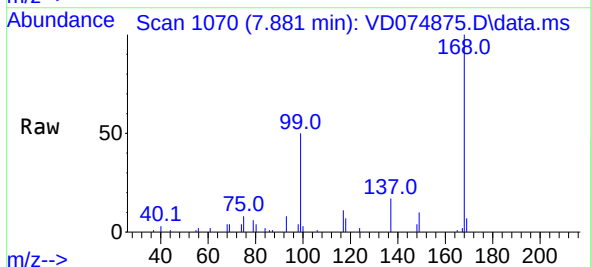
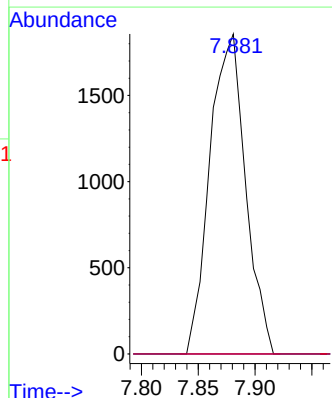
Tgt Ion: 117 Resp: 4056

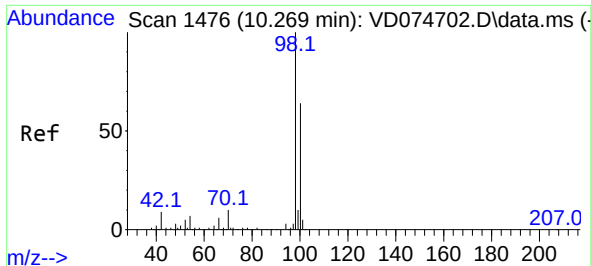
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

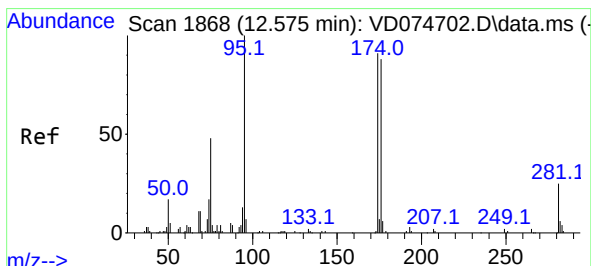
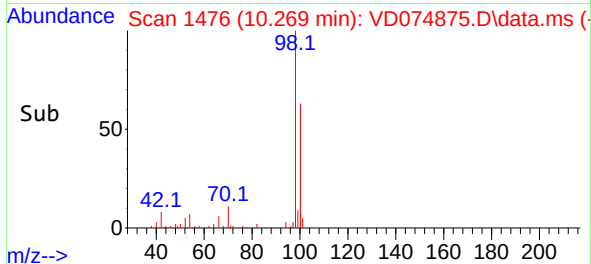
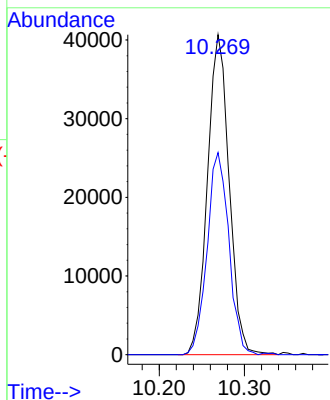
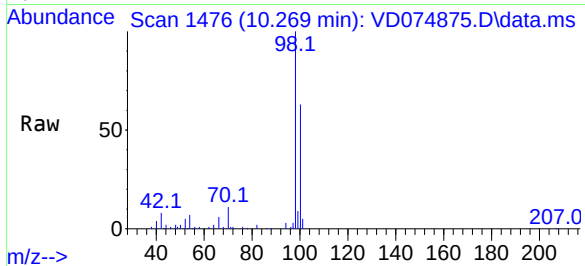




#50
Toluene-d8
Concen: 41.018 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

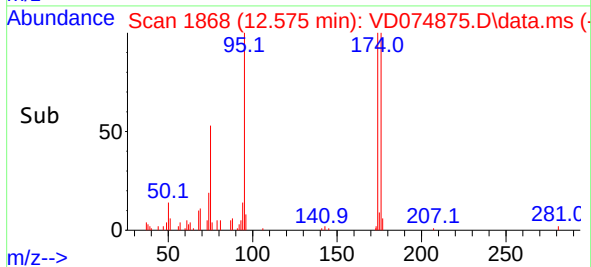
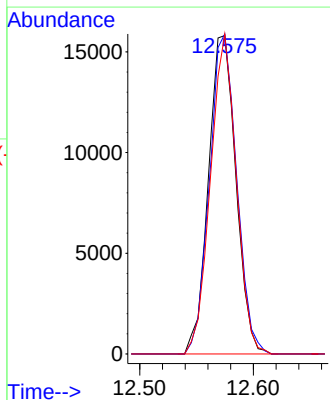
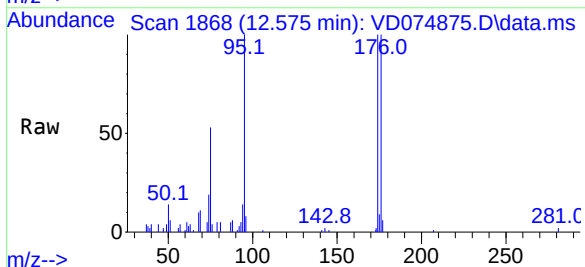
Instrument :
MSVOA_D
ClientSampleId :
PAT-02-110822

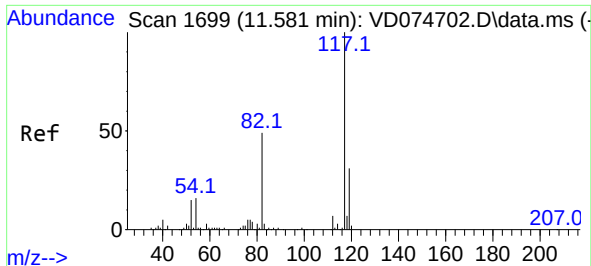
Tgt Ion: 98 Resp: 72005
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 52.422 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion: 95 Resp: 26570
Ion Ratio Lower Upper
95 100
174 99.6 0.0 197.0
176 94.5 0.0 182.6

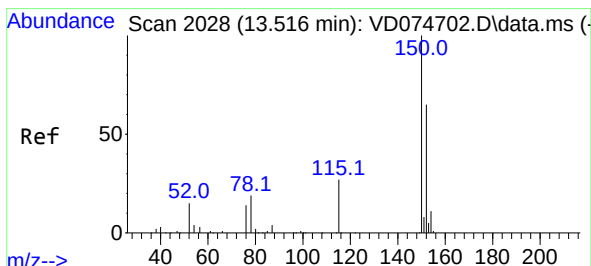
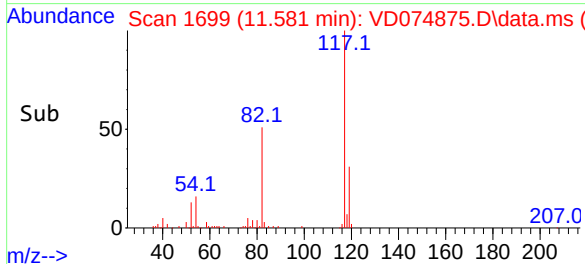
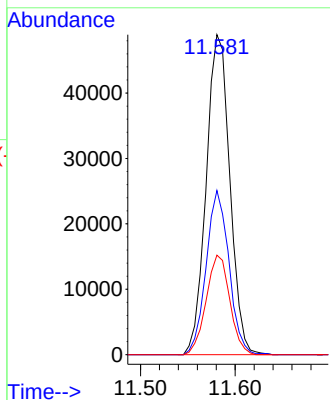
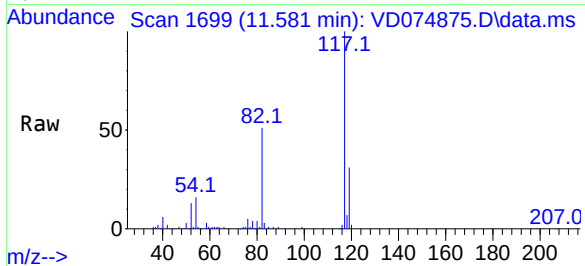




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

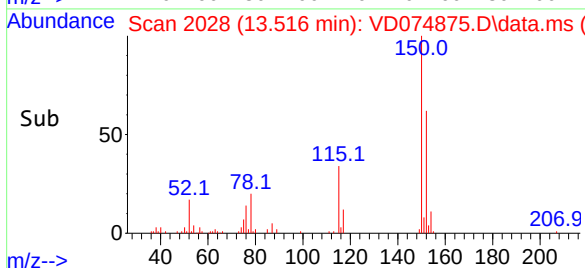
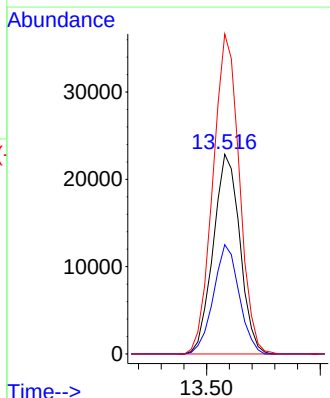
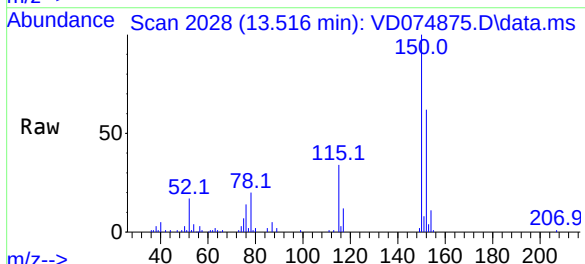
Instrument :
MSVOA_D
ClientSampleId :
PAT-02-110822

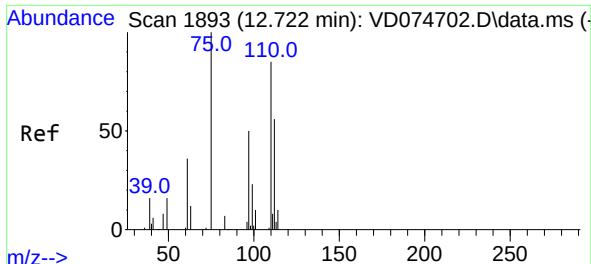
Tgt Ion:	117	Resp:	85007
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.6	62.4
119	31.1	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion:	152	Resp:	37236
Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.8	80.4
150	158.6	0.0	348.2

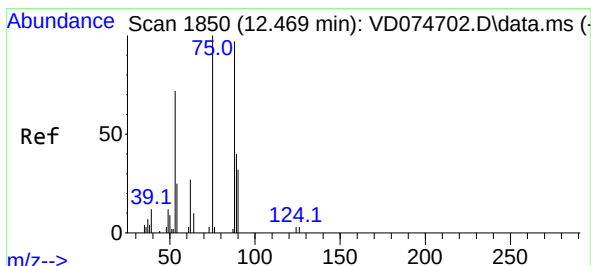
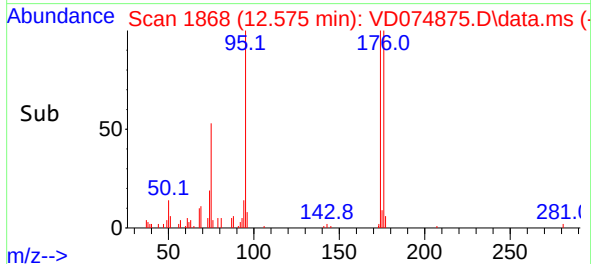
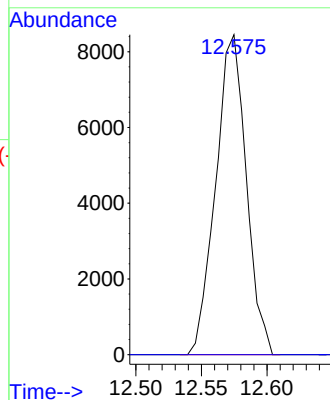
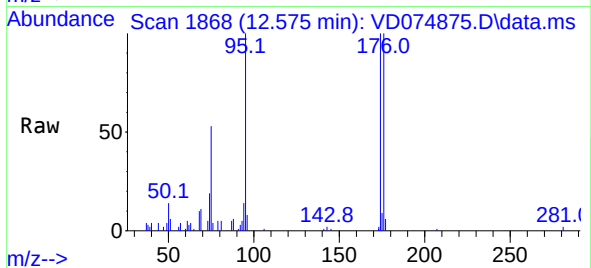




#76
1,2,3-Trichloropropane
Concen: 47.507 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Instrument :
MSVOA_D
ClientSampleId :
PAT-02-110822

Tgt Ion: 75 Resp: 13713
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.769 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074875.D
Acq: 10 Nov 2022 18:38

Tgt Ion: 75 Resp: 13713
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

