

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074836.D
 Acq On : 09 Nov 2022 18:55
 Operator : VA/SY
 Sample : N5528-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3

Quant Time: Nov 10 00:37:32 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)

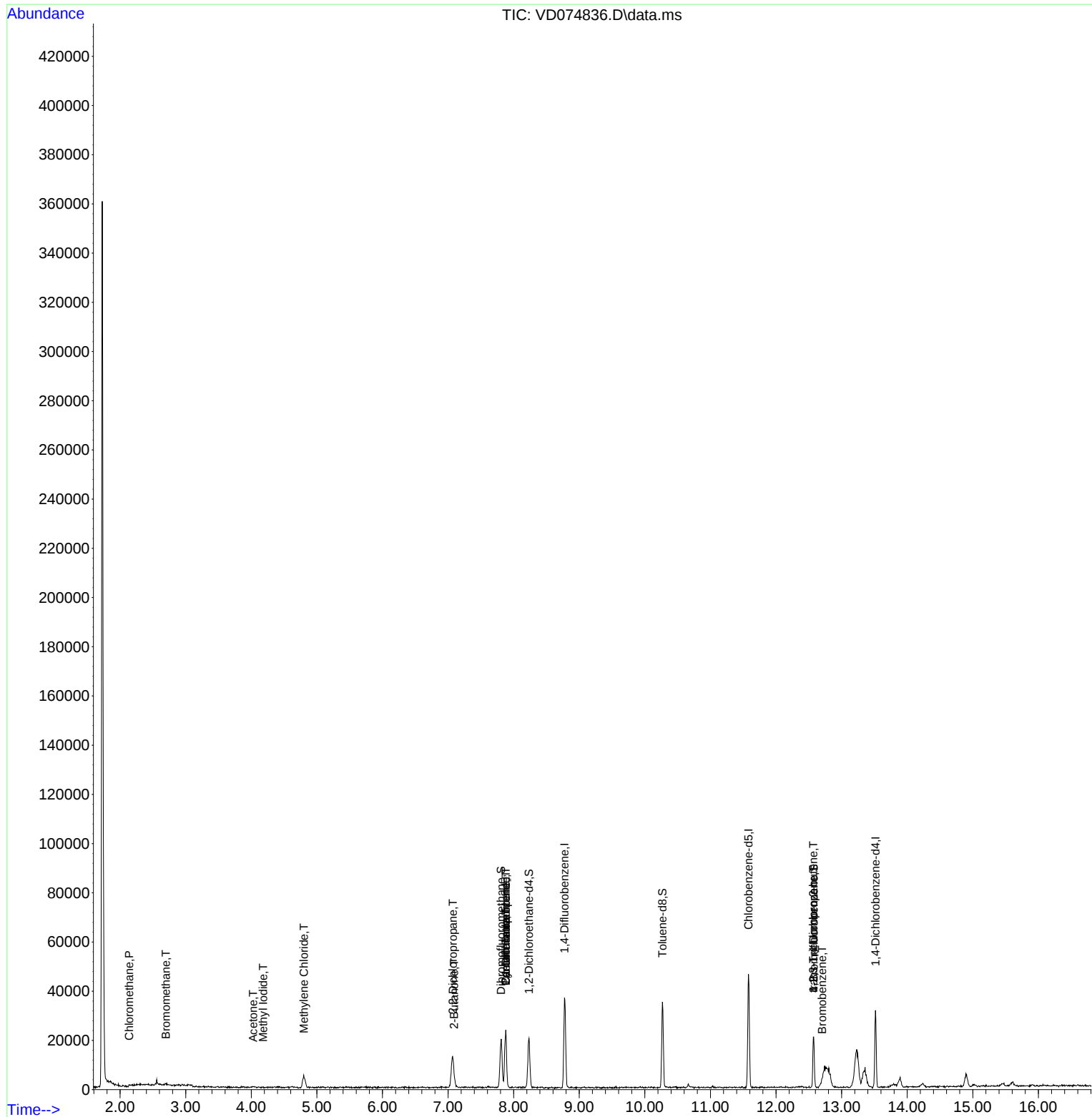
Internal Standards						
1) Pentafluorobenzene	7.881	168	19335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	36509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	31295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	15904	103.855	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 207.700%#			
35) Dibromofluoromethane	7.810	113	14838	68.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.420%			
50) Toluene-d8	10.269	98	26313	33.402	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 66.800%			
62) 4-Bromofluorobenzene	12.575	95	6745	29.654	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 59.300%			
Target Compounds						Qvalue
3) Chloromethane	2.140	50	311	1.227	ug/l #	37
5) Bromomethane	2.699	94	308	1.463	ug/l #	63
10) Methyl Iodide	4.181	142	77	5.814	ug/l #	43
16) Acetone	4.028	43	372	11.641	ug/l #	37
20) Methylene Chloride	4.804	84	4177	5.412	ug/l	97
25) 2-Butanone	7.092	43	67	1.525	ug/l #	42
26) 2,2-Dichloropropane	7.075	77	852	2.661	ug/l #	50
31) Cyclohexane	7.881	56	311	1.003	ug/l #	19
36) 1,1-Dichloropropene	7.881	75	1473	4.493	ug/l #	39
38) Carbon Tetrachloride	7.881	117	1560	5.023	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	3459	47.917	ug/l #	1
77) Bromobenzene	12.704	156	3127	19.961	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	3459	113.744	ug/l #	17

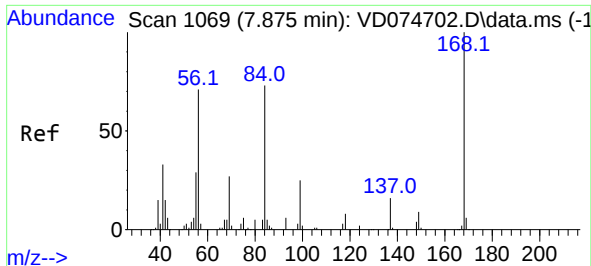
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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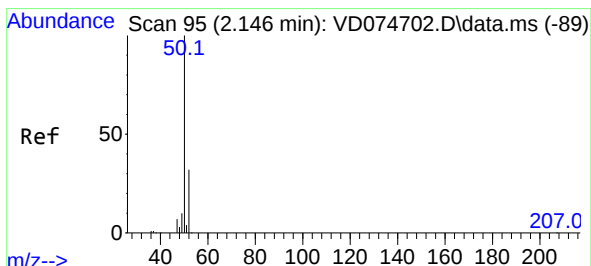
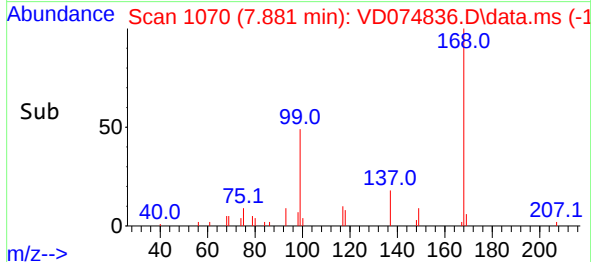
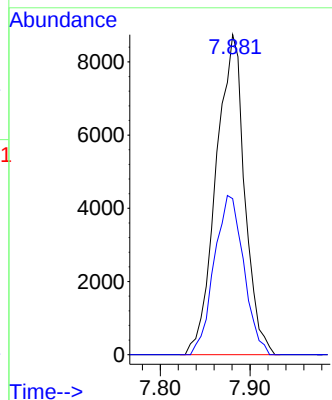
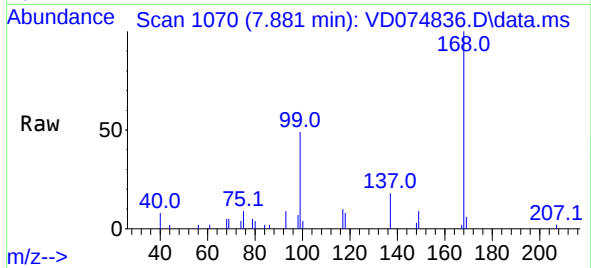




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

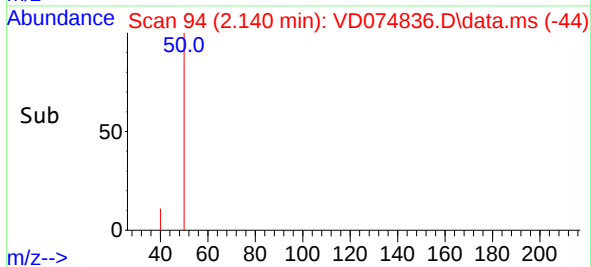
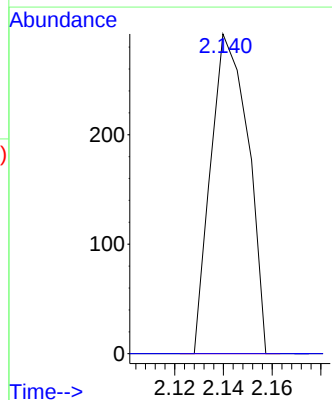
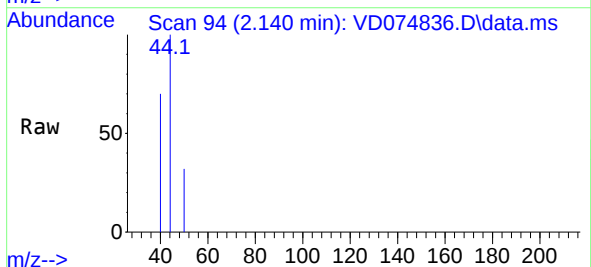
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

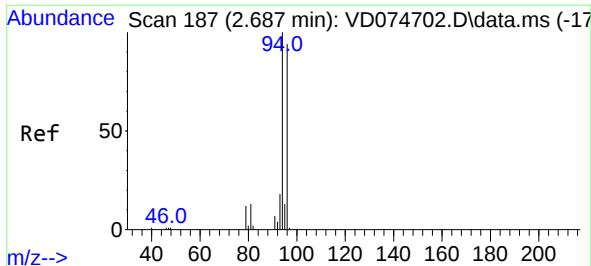
Tgt Ion:168 Resp: 19335
Ion Ratio Lower Upper
168 100
99 48.7 40.9 61.3



#3
Chloromethane
Concen: 1.227 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

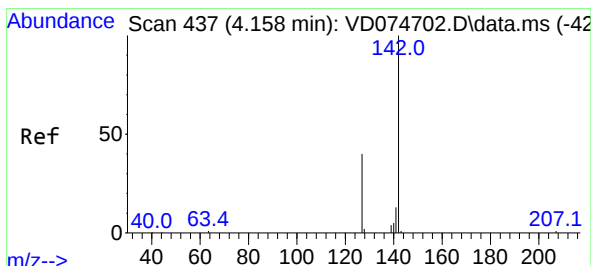
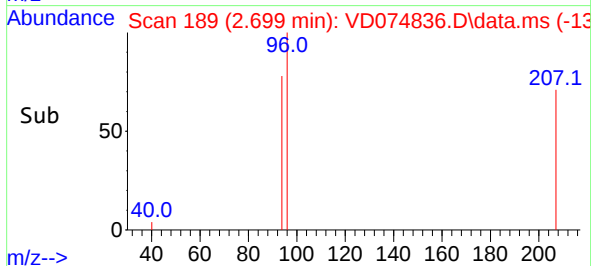
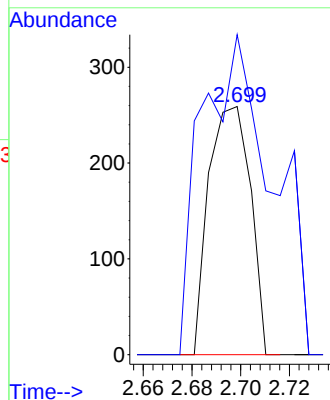
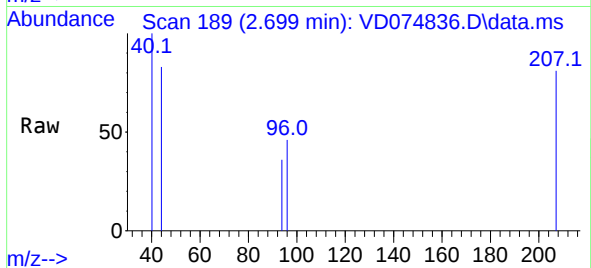




#5
Bromomethane
Concen: 1.463 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

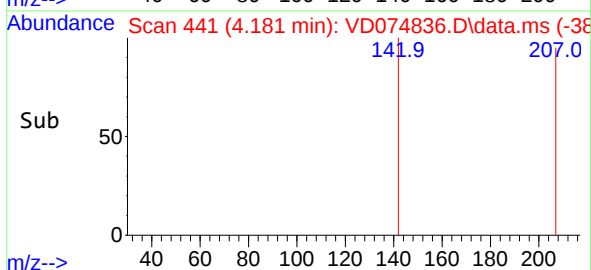
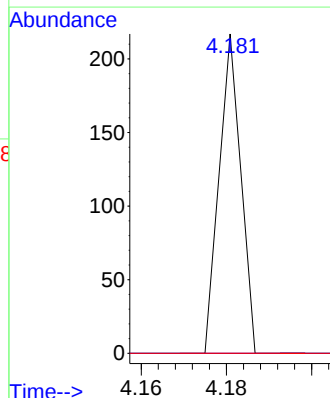
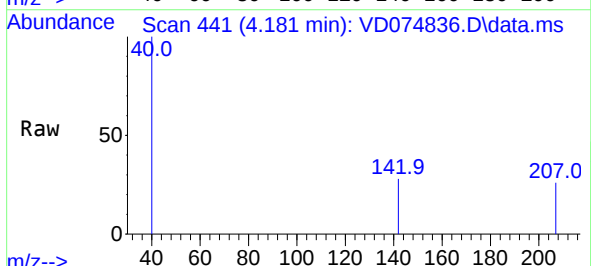
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

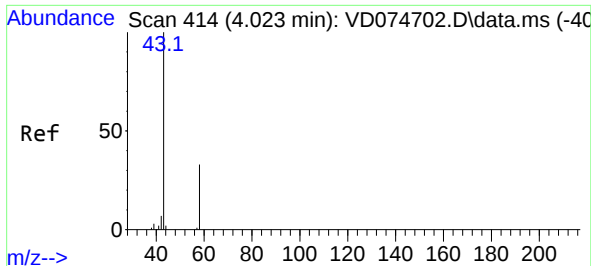
Tgt Ion: 94 Resp: 308
Ion Ratio Lower Upper
94 100
96 129.0 74.6 112.0#



#10
Methyl Iodide
Concen: 5.814 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.023 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

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#

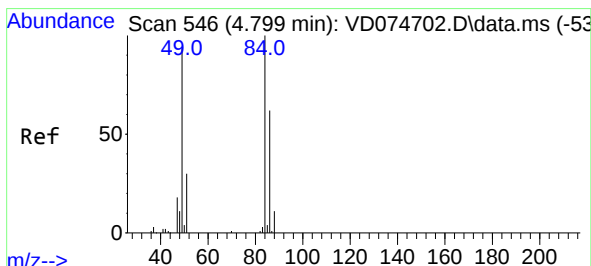
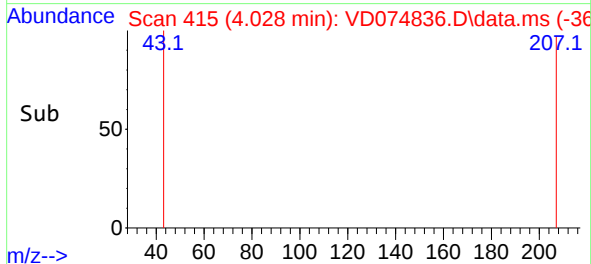
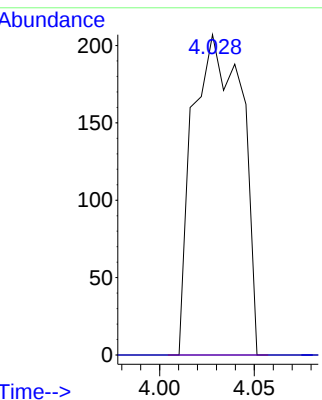
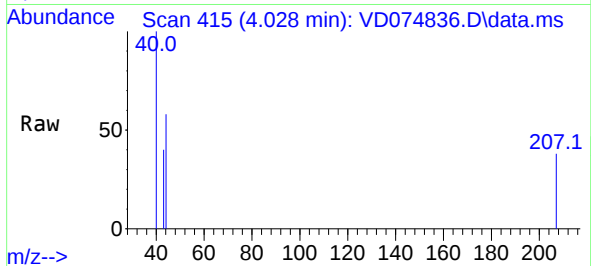




#16
Acetone
Concen: 11.641 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

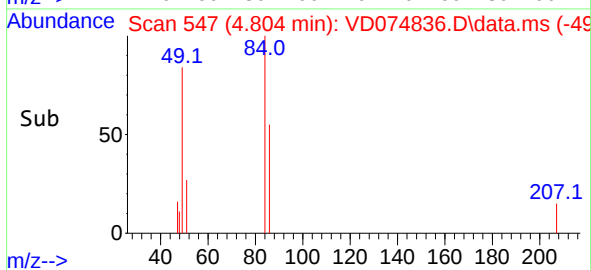
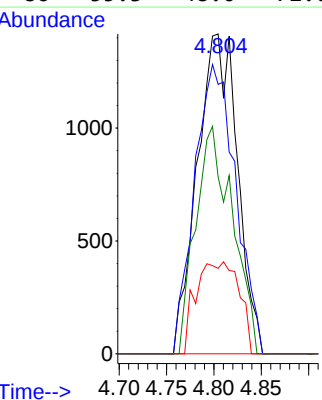
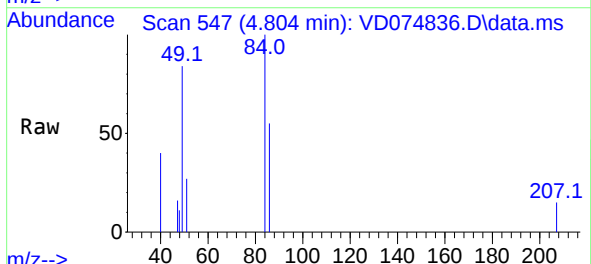
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

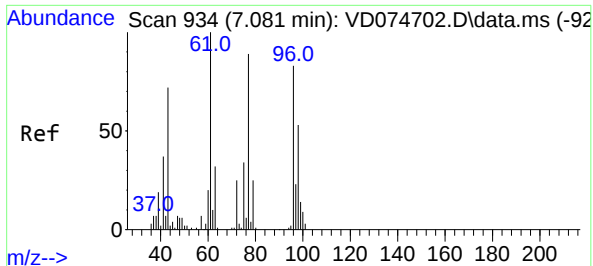
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 5.412 ug/l
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 84 Resp: 4177
Ion Ratio Lower Upper
84 100
49 84.3 68.0 102.0
51 26.7 23.2 34.8
86 55.3 48.0 72.0

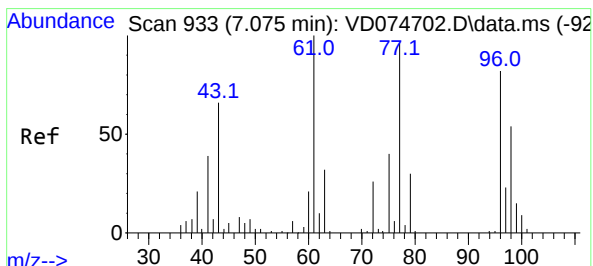
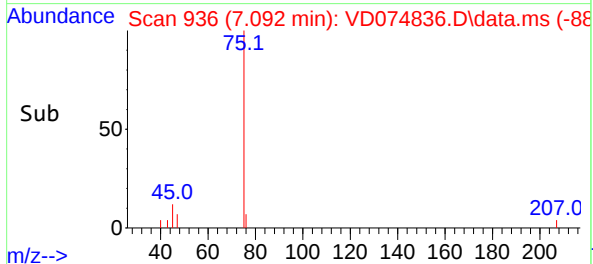
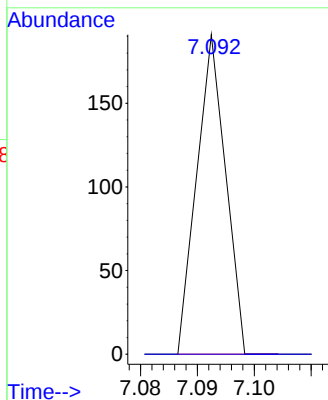
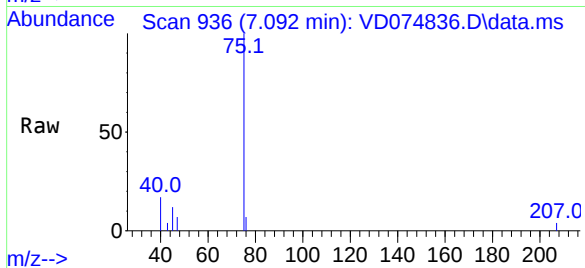




#25
2-Butanone
Concen: 1.525 ug/l
RT: 7.092 min Scan# 91
Delta R.T. 0.011 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

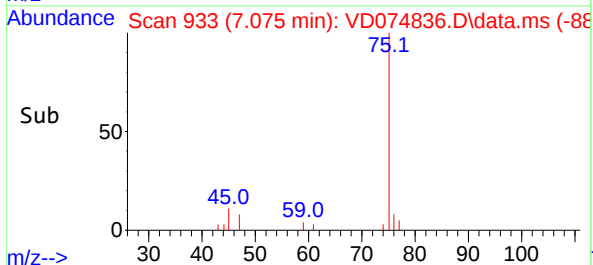
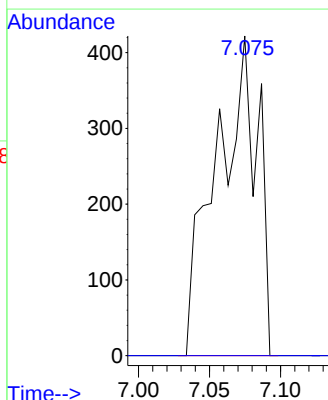
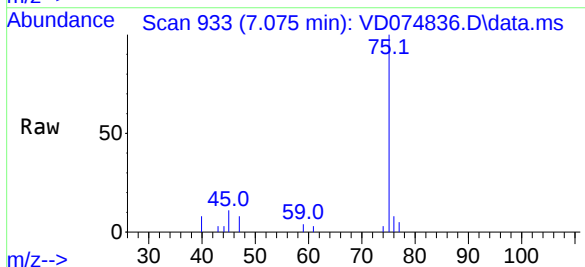
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

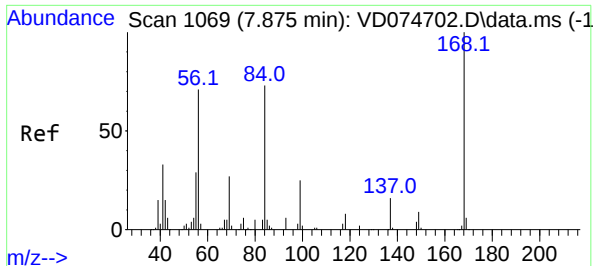
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 2.661 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.000 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 77 Resp: 852
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#31

Cyclohexane

Concen: 1.003 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD074836.D

Acq: 09 Nov 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

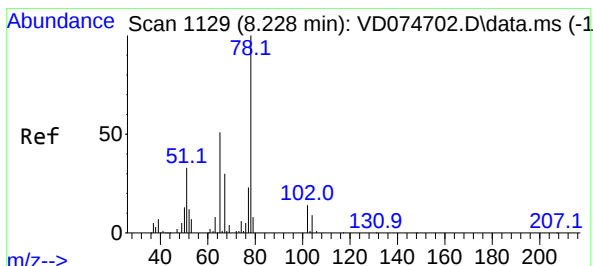
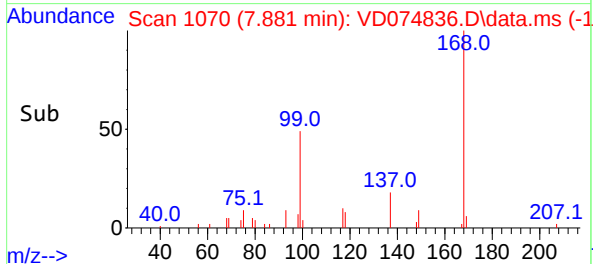
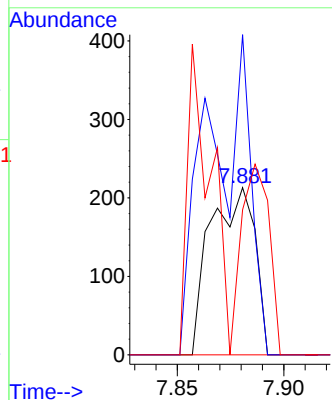
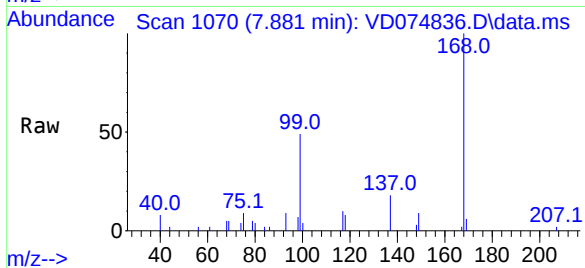
Tgt Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

69 191.5 29.2 43.8#

84 86.9 83.4 125.2



#33

1,2-Dichloroethane-d4

Concen: 103.855 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074836.D

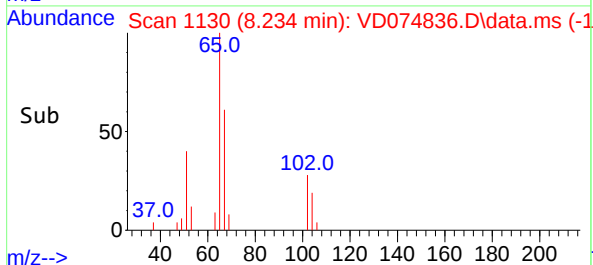
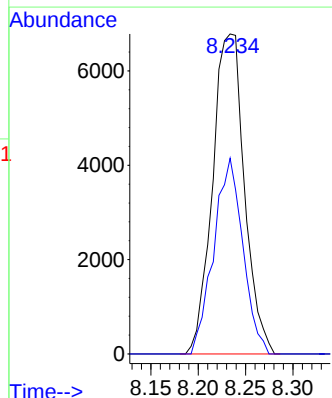
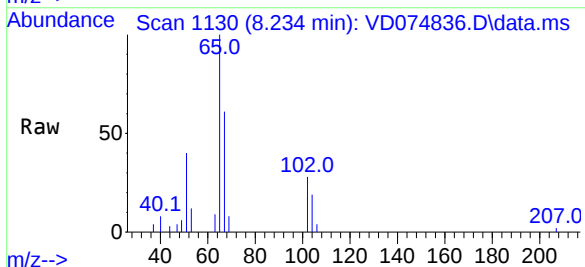
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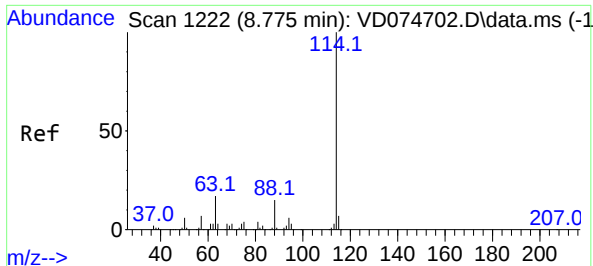
Tgt Ion: 65 Resp: 15904

Ion Ratio Lower Upper

65 100

67 55.9 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: VD074836.D

Acq: 09 Nov 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

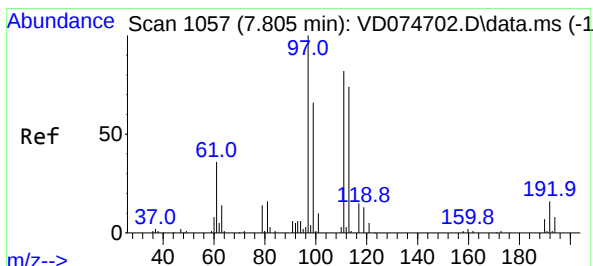
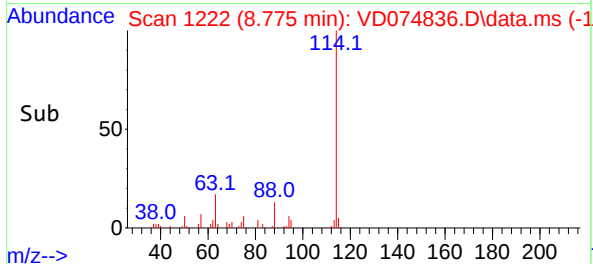
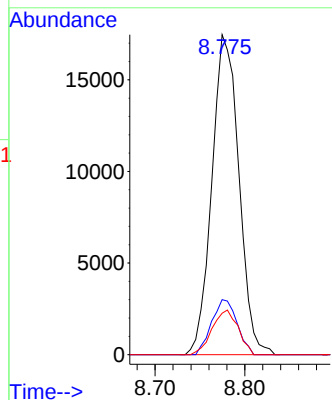
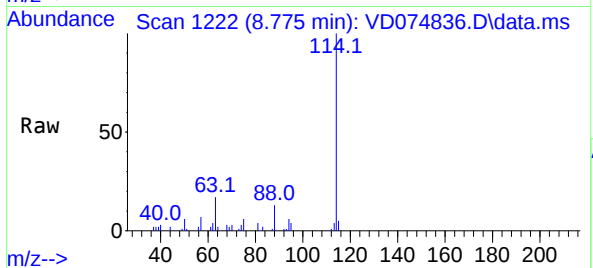
Tgt Ion:114 Resp: 36509

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.2

88 12.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 68.705 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074836.D

Acq: 09 Nov 2022 18:55

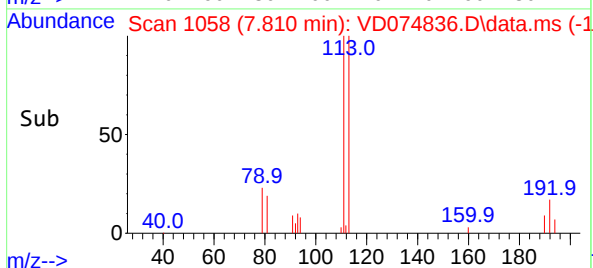
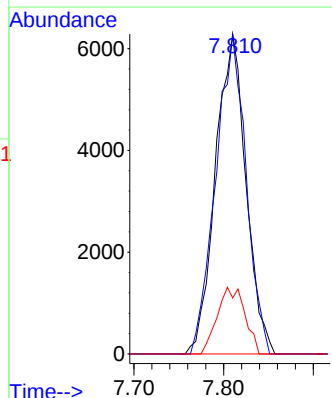
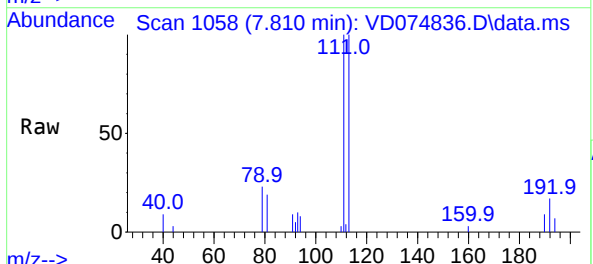
Tgt Ion:113 Resp: 14838

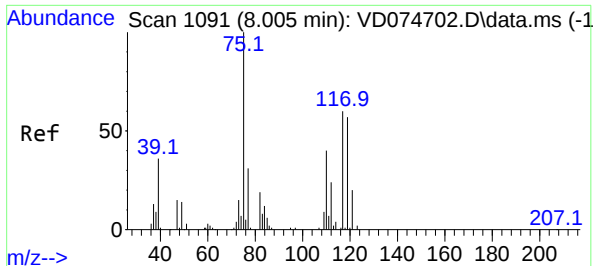
Ion Ratio Lower Upper

113 100

111 99.4 82.3 123.5

192 18.8 16.4 24.6

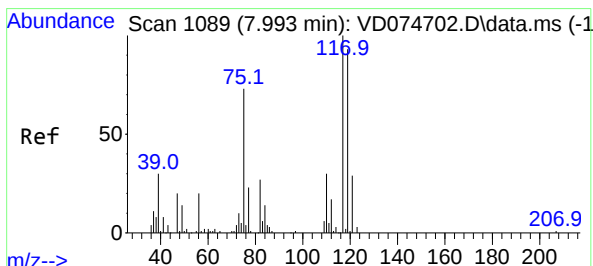
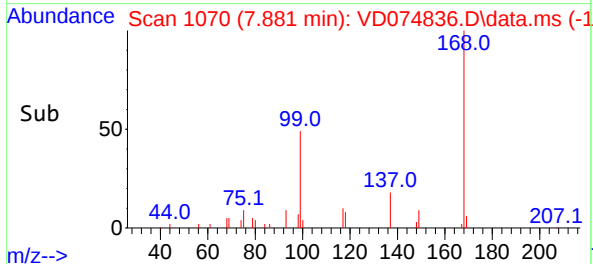
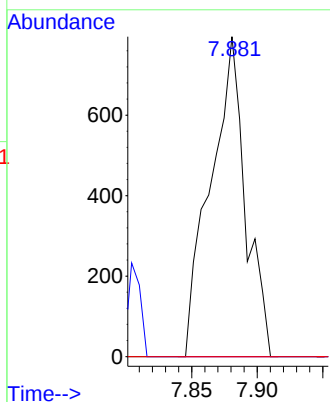
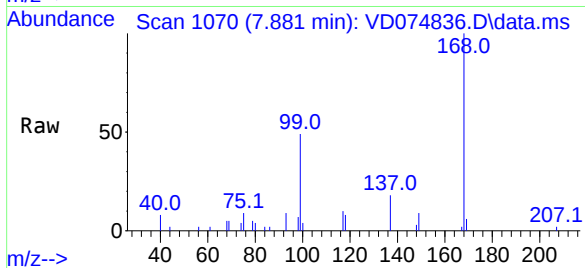




#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

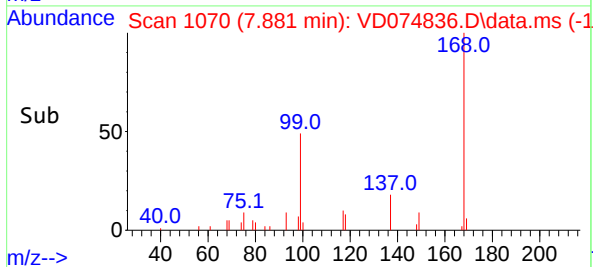
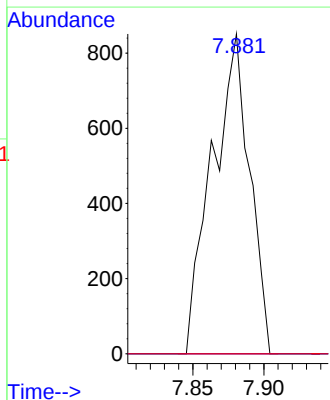
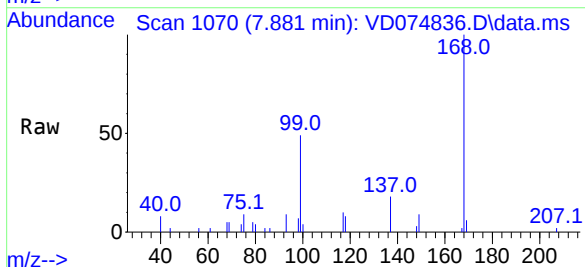
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

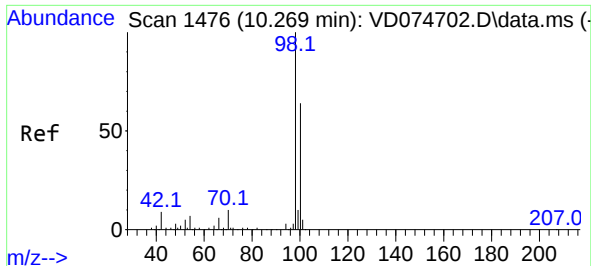
Tgt Ion: 75 Resp: 1473
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.0#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 5.023 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 117 Resp: 1560
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#

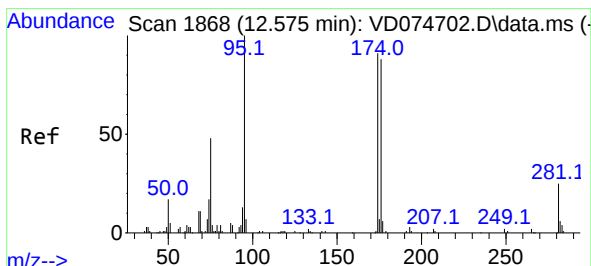
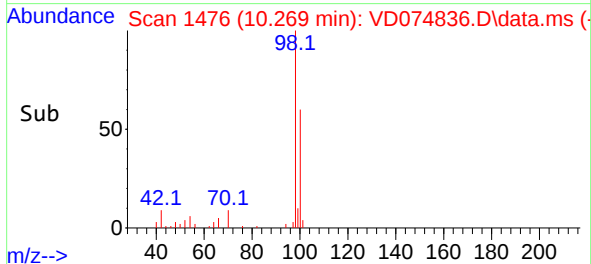
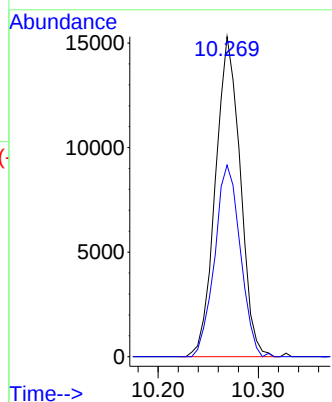
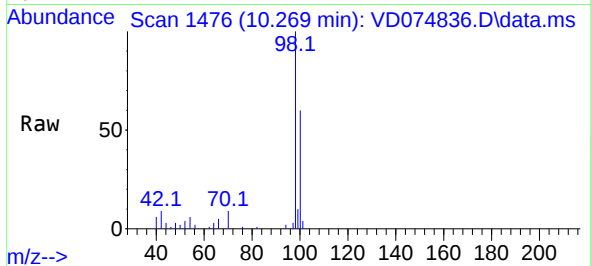




#50
Toluene-d8
Concen: 33.402 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

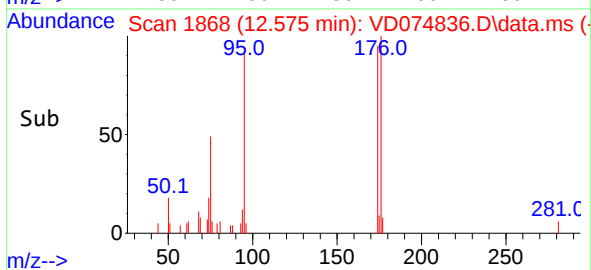
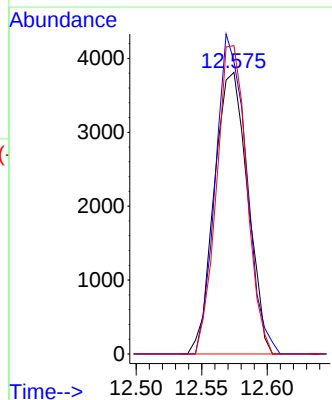
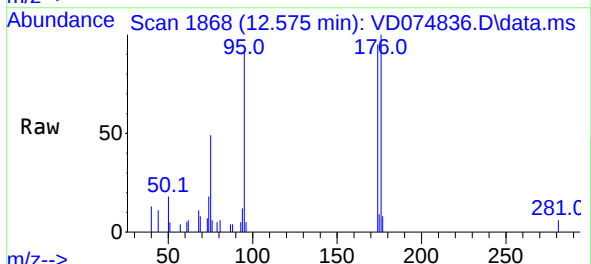
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

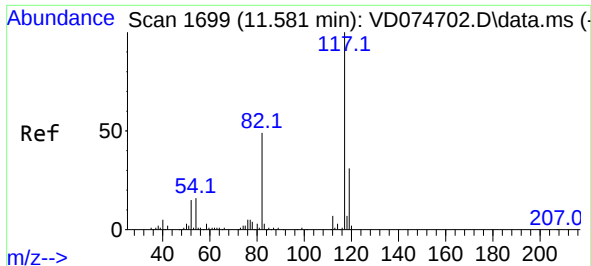
Tgt Ion: 98 Resp: 26313
Ion Ratio Lower Upper
98 100
100 61.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 29.654 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 95 Resp: 6745
Ion Ratio Lower Upper
95 100
174 104.8 0.0 197.0
176 99.0 0.0 182.6

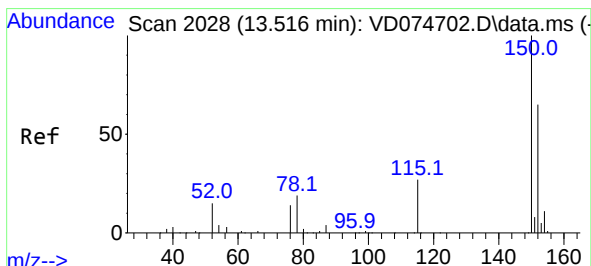
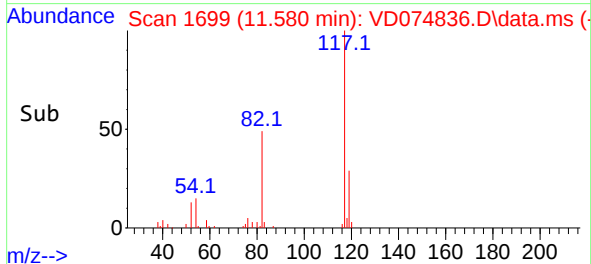
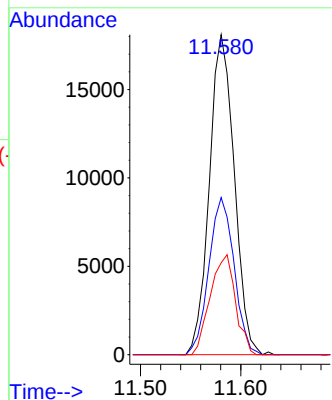
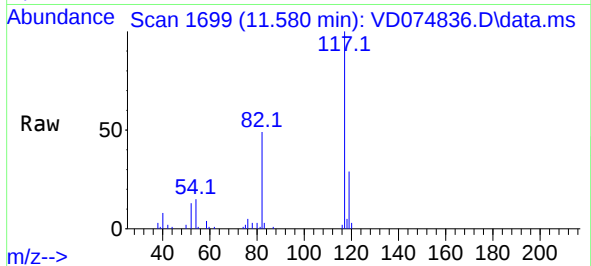




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

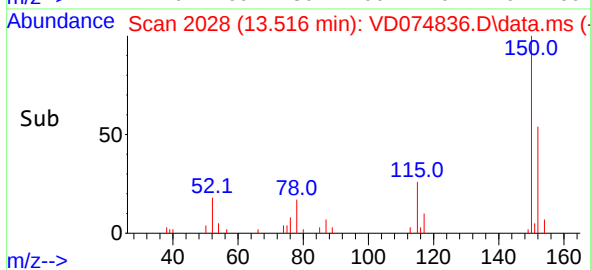
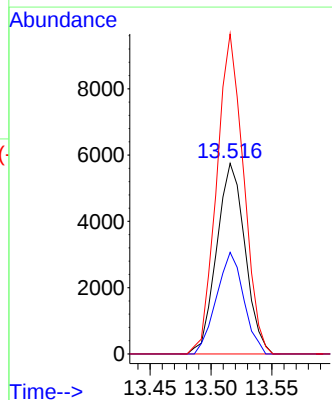
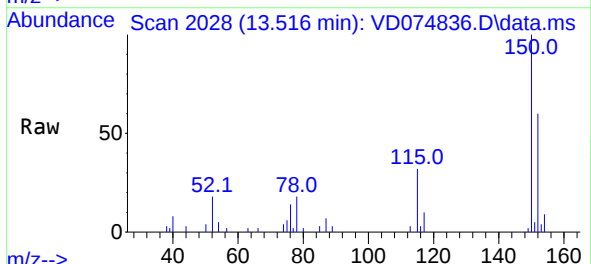
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

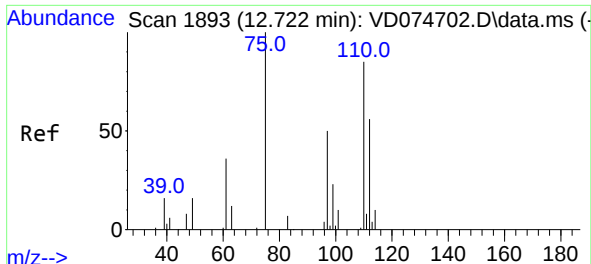
Tgt Ion:	117	Resp:	31295
Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.6	62.4
119	28.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion:	152	Resp:	9312
Ion	Ratio	Lower	Upper
152	100		
115	51.3	26.8	80.4
150	159.3	0.0	348.2

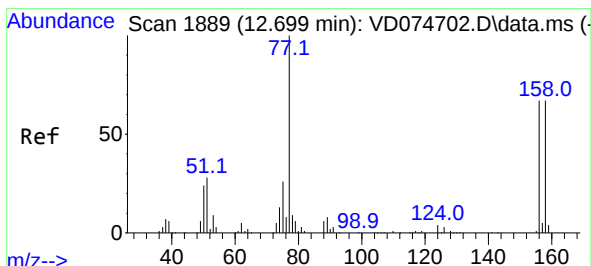
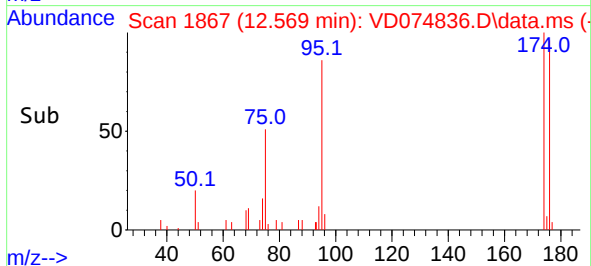
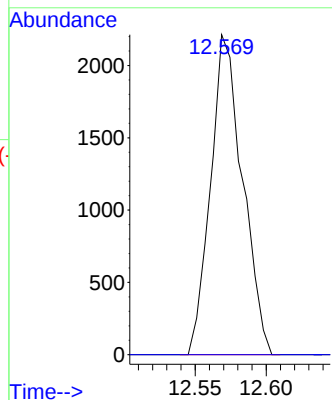
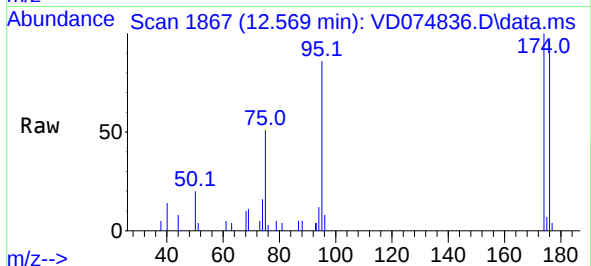




#76
1,2,3-Trichloropropane
Concen: 47.917 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

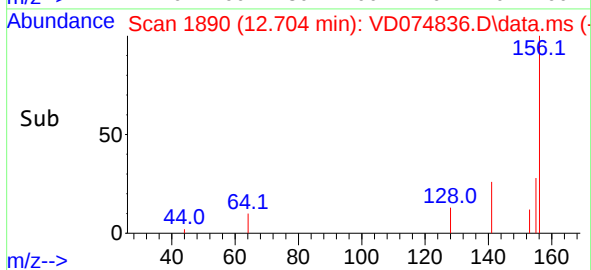
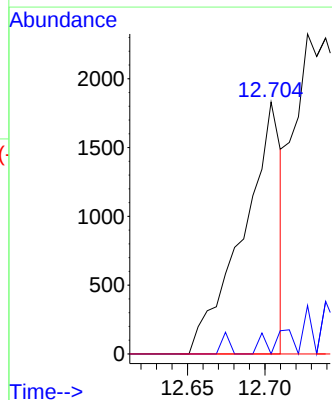
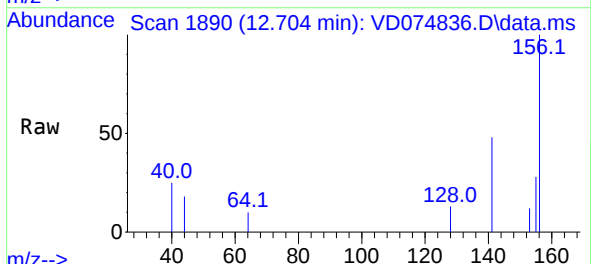
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

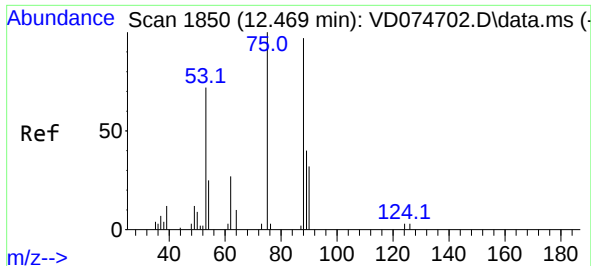
Tgt Ion: 75 Resp: 3459
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#77
Bromobenzene
Concen: 19.961 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.005 min
Lab File: VD074836.D
Acq: 09 Nov 2022 18:55

Tgt Ion: 156 Resp: 3127
Ion Ratio Lower Upper
156 100
77 5.6 77.7 233.1#
158 0.0 49.4 148.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.744 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074836.D
 Acq: 09 Nov 2022 18:55

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3

Tgt Ion: 75 Resp: 3459
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

