

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074857.D
 Acq On : 10 Nov 2022 06:20
 Operator : VA/SY
 Sample : N5537-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 360

Quant Time: Nov 10 06:41:18 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)

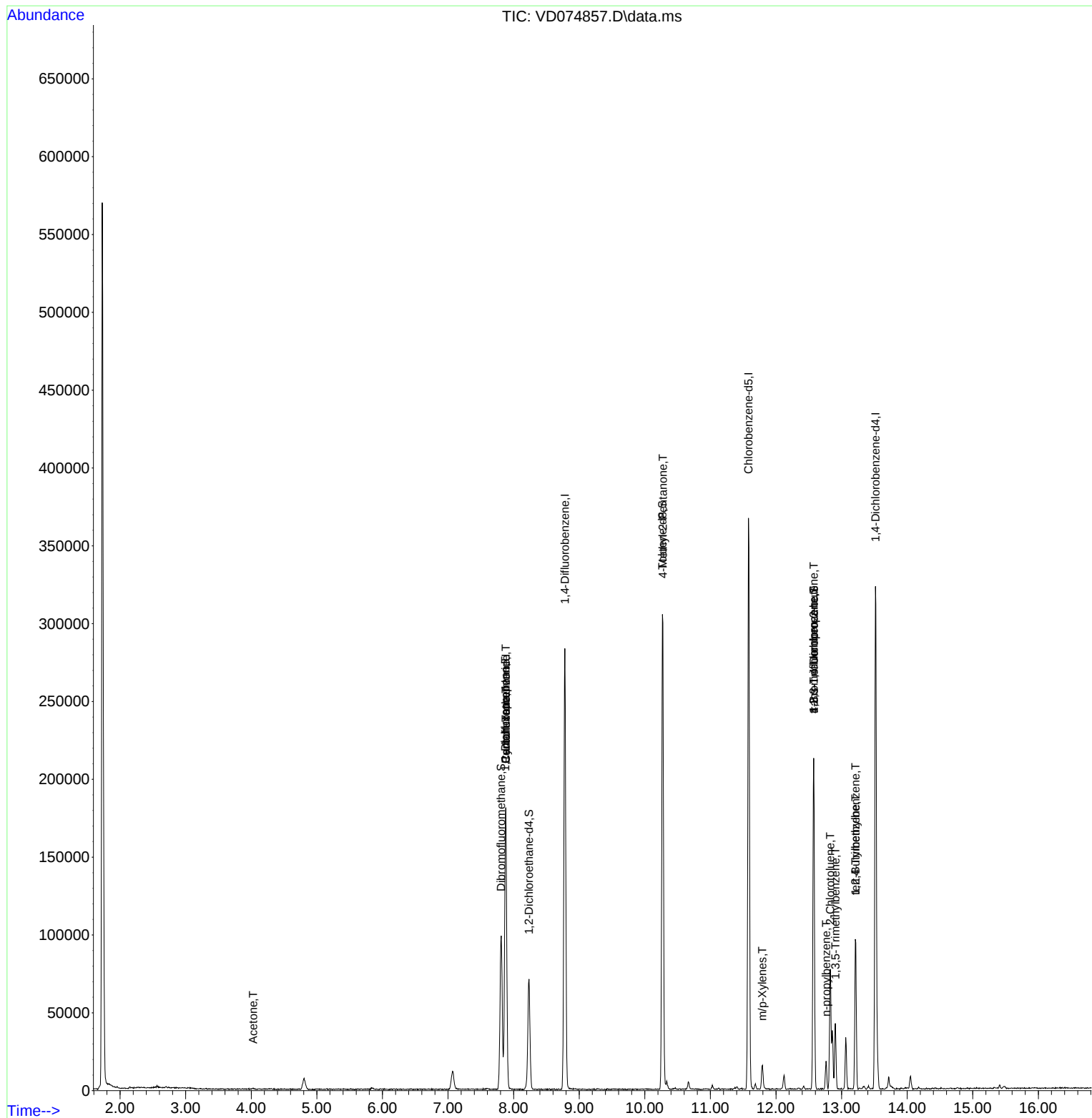
Internal Standards						
1) Pentafluorobenzene	7.881	168	147234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	268986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54202	46.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.960%		
35) Dibromofluoromethane	7.811	113	74042	46.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.060%		
50) Toluene-d8	10.269	98	226839	39.083	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.160%		
62) 4-Bromofluorobenzene	12.575	95	65542	39.110	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.220%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	56	Below Cal	#	84
16) Acetone	4.028	43	625	2.568	ug/l #	69
20) Methylene Chloride	4.805	84	5764	Below Cal	#	88
31) Cyclohexane	7.881	56	2582	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10295	4.263	ug/l #	47
38) Carbon Tetrachloride	7.881	117	13677	5.977	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	743	1.022	ug/l #	1
68) m/p-Xylenes	11.793	106	5132	1.603	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	33178	45.678	ug/l #	1
78) n-propylbenzene	12.763	91	15247	1.859	ug/l	96
79) 2-Chlorotoluene	12.828	91	6014	1.362	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.904	105	22747	4.073	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.575	75	33178	108.429	ug/l #	17
83) tert-Butylbenzene	13.210	119	7723	1.569	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.210	105	56710	10.291	ug/l	99

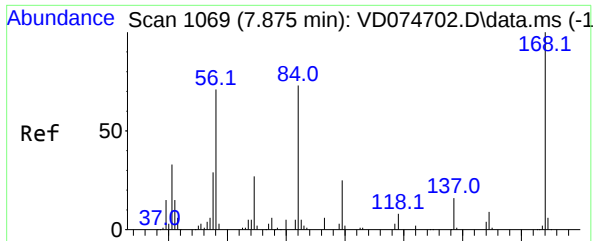
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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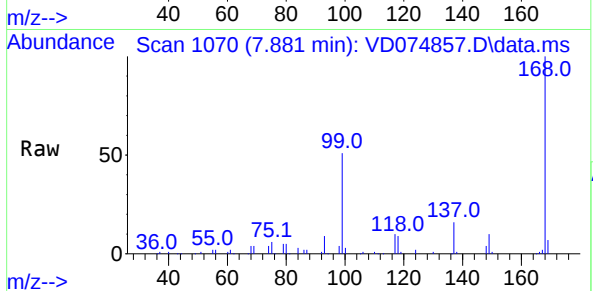
Quant Time: Nov 10 06:41:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 03 02:30:45 2022
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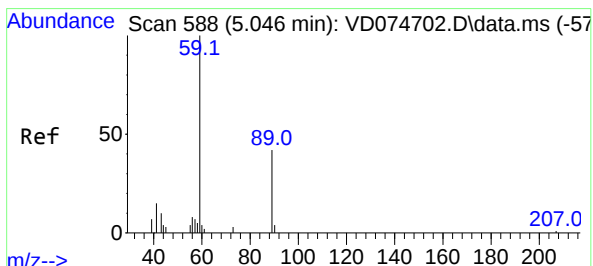
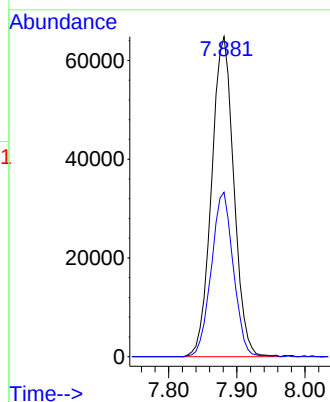
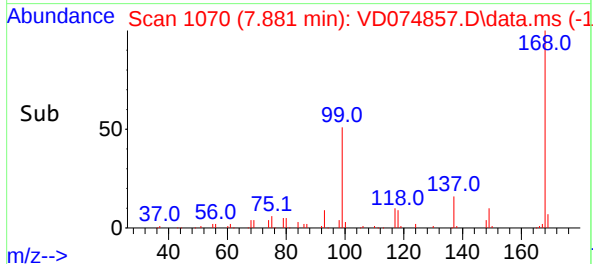


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Instrument :
MSVOA_D
ClientSampleId :
360

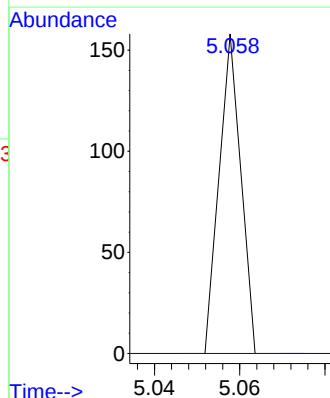
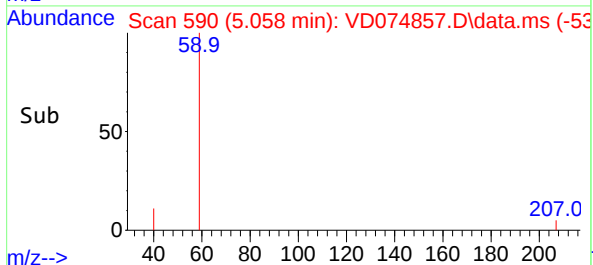
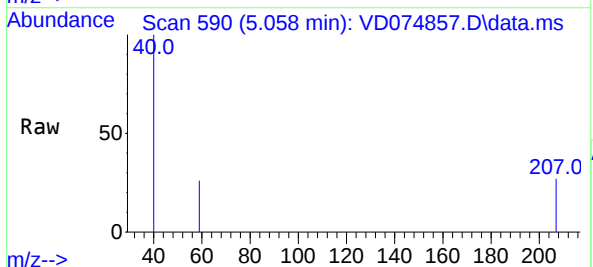


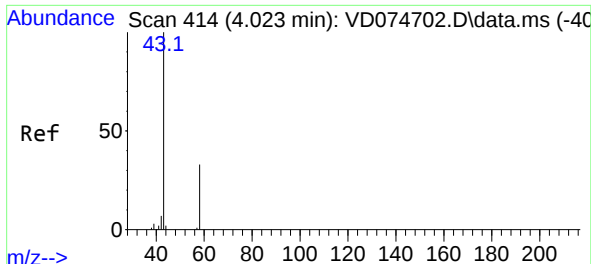
Tgt Ion:168 Resp: 147234
Ion Ratio Lower Upper
168 100
99 51.4 40.9 61.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

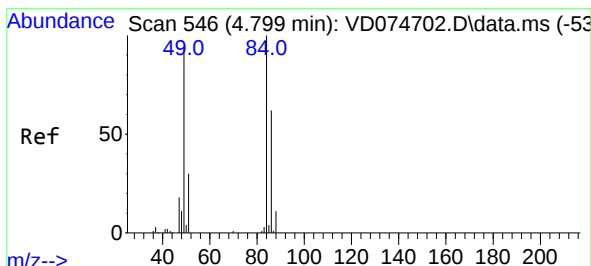
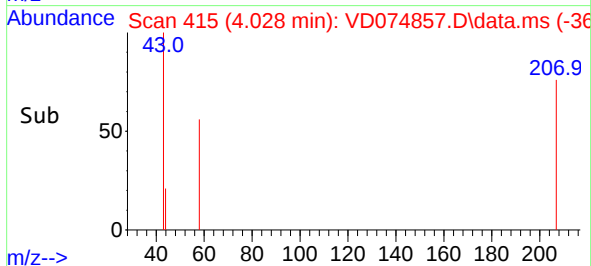
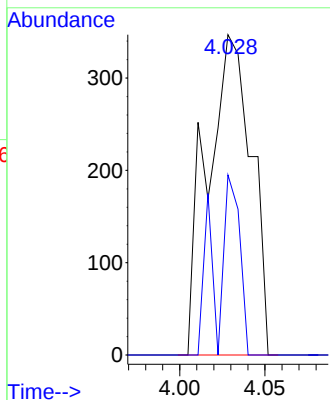
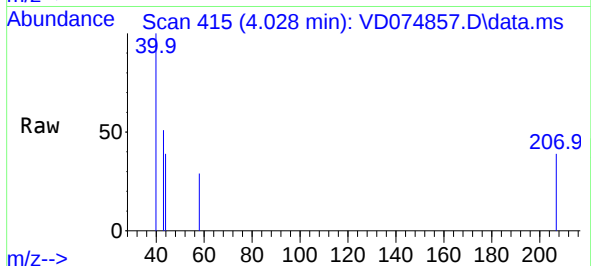




#16
Acetone
Concen: 2.568 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

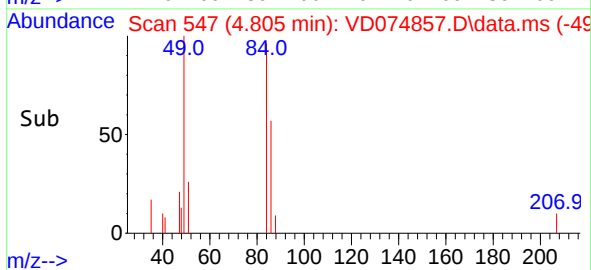
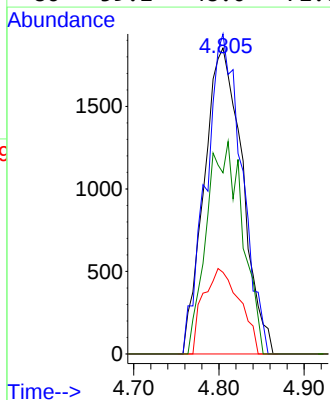
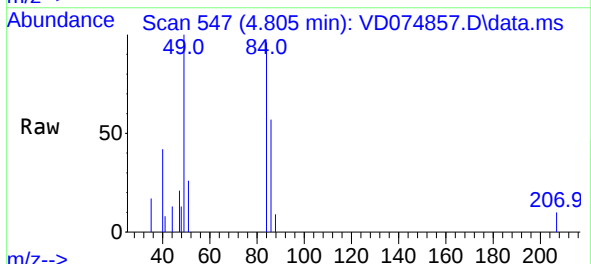
Instrument :
MSVOA_D
ClientSampleId :
360

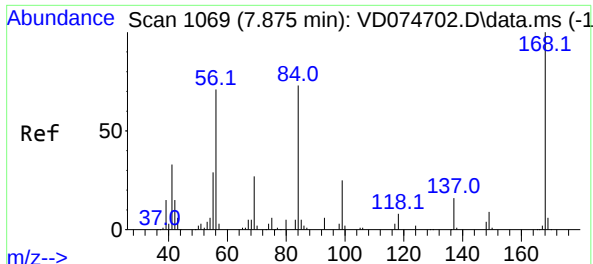
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
58 56.2 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

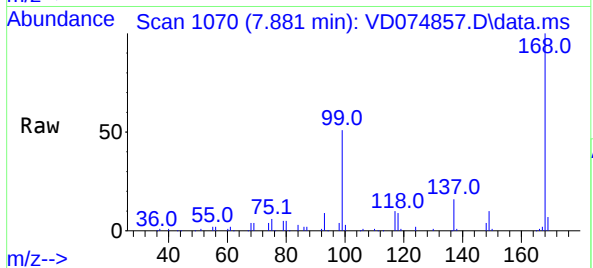
Tgt Ion: 84 Resp: 5764
Ion Ratio Lower Upper
84 100
49 104.6 68.0 102.0#
51 26.7 23.2 34.8
86 59.2 48.0 72.0



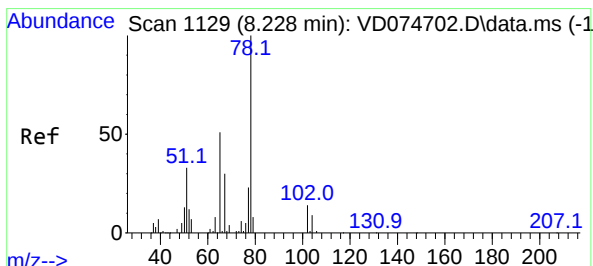
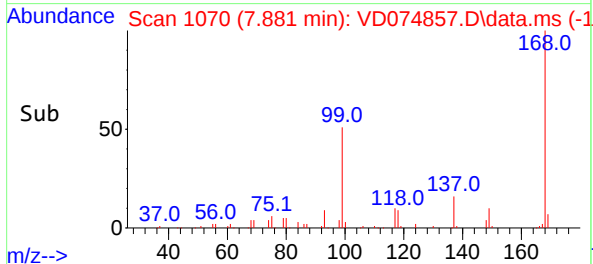
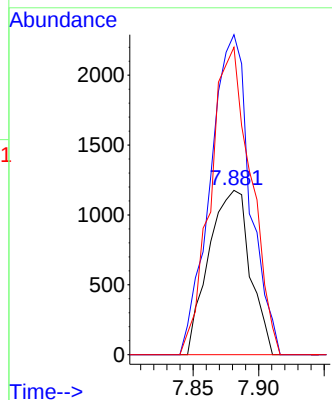


#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Instrument :
MSVOA_D
ClientSampleId :
360

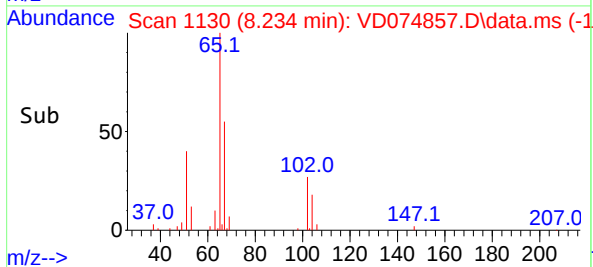
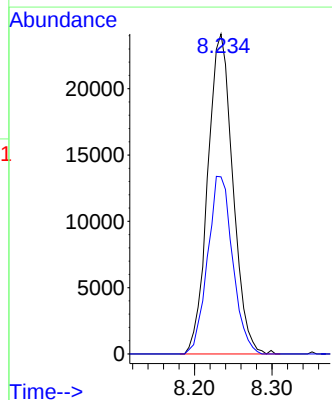
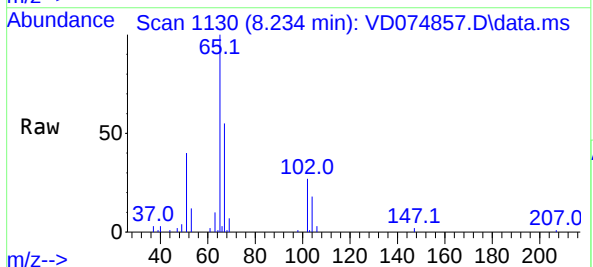


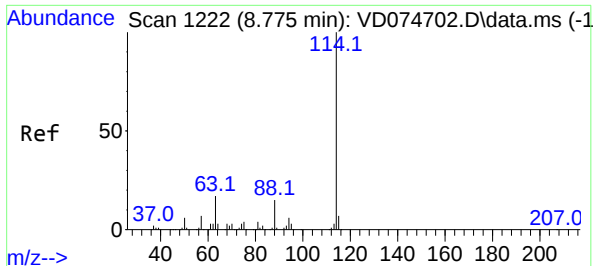
Tgt Ion: 56 Resp: 2582
Ion Ratio Lower Upper
56 100
69 194.7 29.2 43.8#
84 187.1 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 46.481 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion: 65 Resp: 54202
Ion Ratio Lower Upper
65 100
67 55.4 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: VD074857.D

Acq: 10 Nov 2022 06:20

Instrument :

MSVOA_D

ClientSampleId :

360

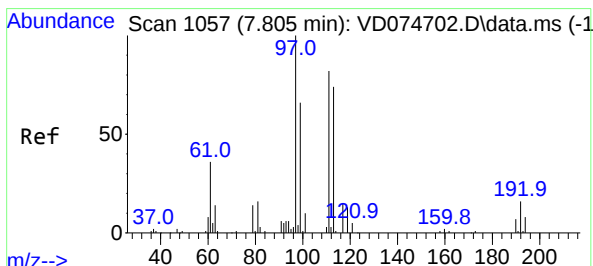
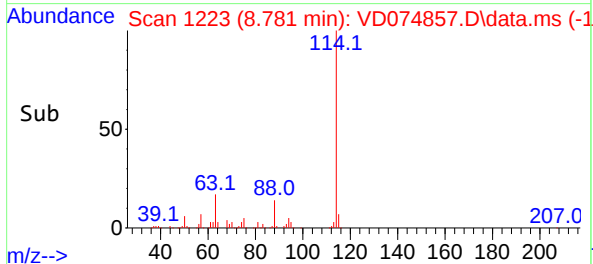
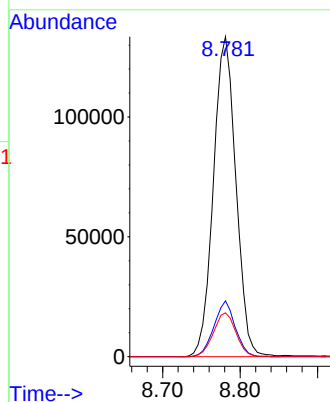
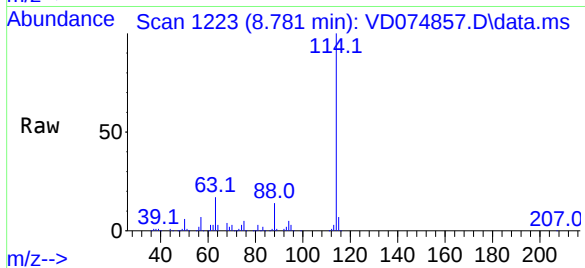
Tgt Ion:114 Resp: 268986

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.2

88 13.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 46.533 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074857.D

Acq: 10 Nov 2022 06:20

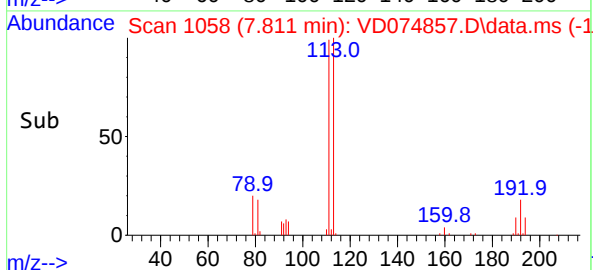
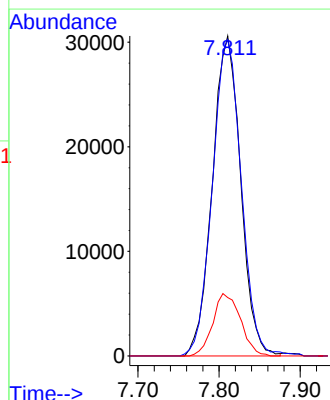
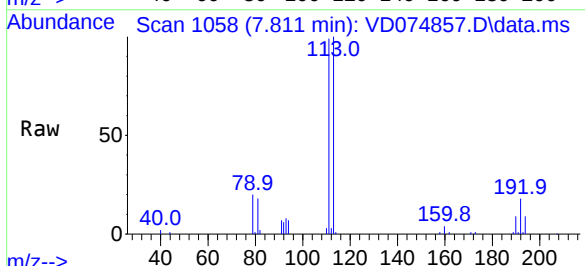
Tgt Ion:113 Resp: 74042

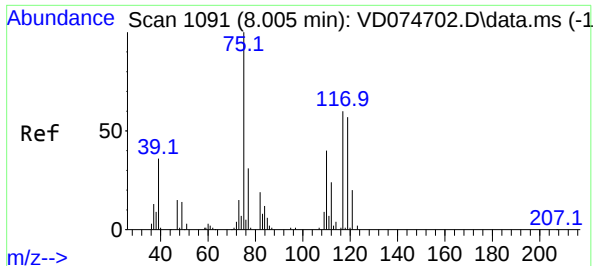
Ion Ratio Lower Upper

113 100

111 101.2 82.3 123.5

192 19.1 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.263 ug/l

RT: 7.875 min Scan# 10295

Delta R.T. -0.130 min

Lab File: VD074857.D

Acq: 10 Nov 2022 06:20

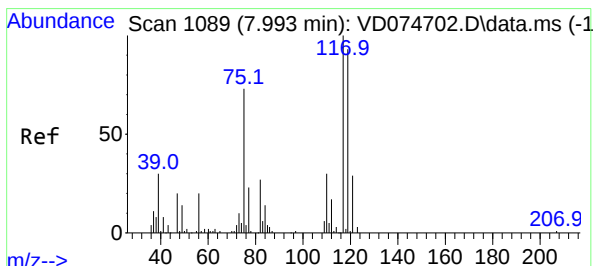
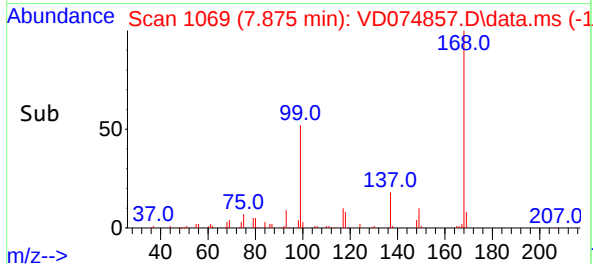
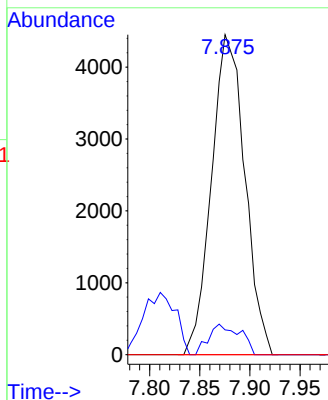
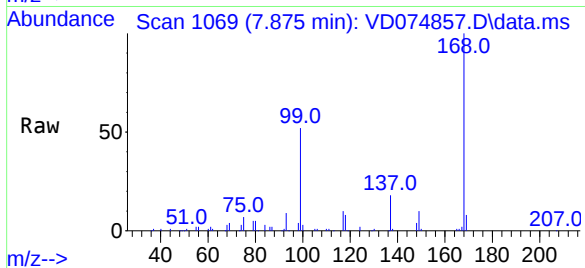
Instrument :

MSVOA_D

ClientSampleId :

360

Tgt Ion:	75	Resp:	10295
Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 5.977 ug/l

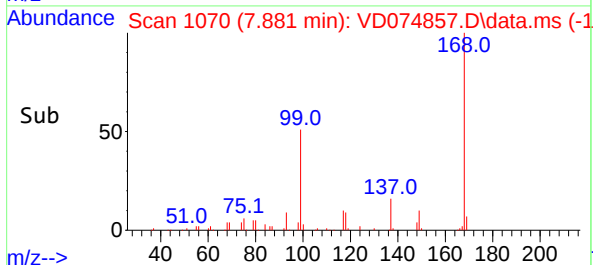
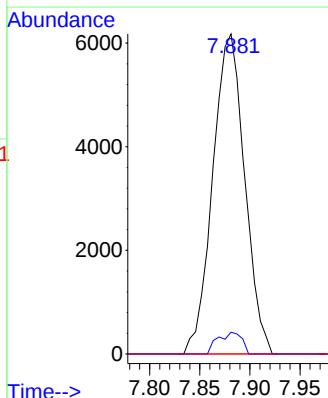
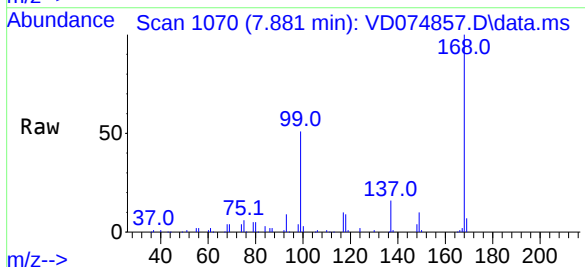
RT: 7.881 min Scan# 1070

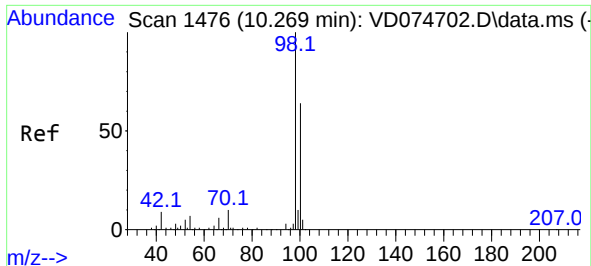
Delta R.T. -0.112 min

Lab File: VD074857.D

Acq: 10 Nov 2022 06:20

Tgt Ion:	117	Resp:	13677
Ion	Ratio	Lower	Upper
117	100		
119	6.8	73.1	109.7#
121	0.0	25.0	37.6#

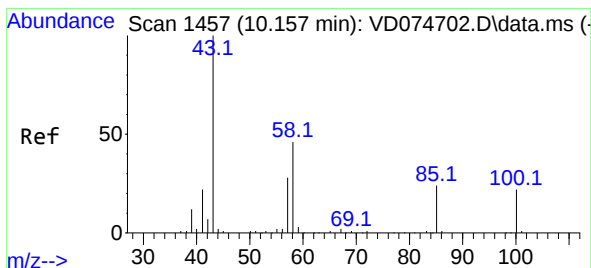
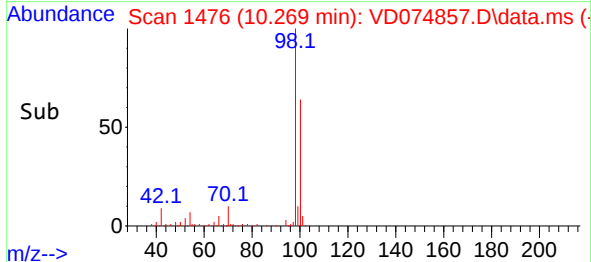
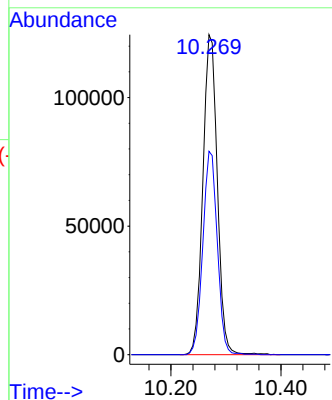
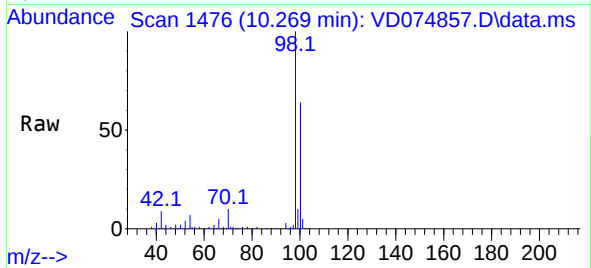




#50
Toluene-d8
Concen: 39.083 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

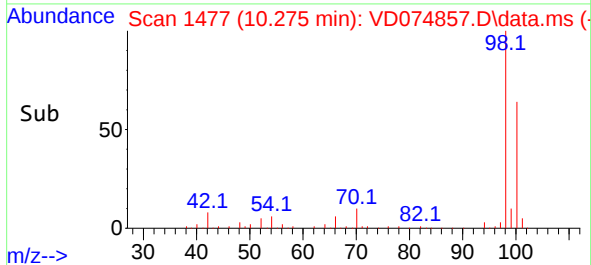
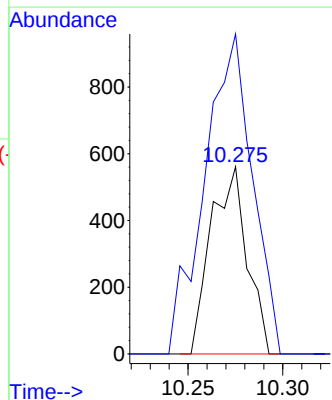
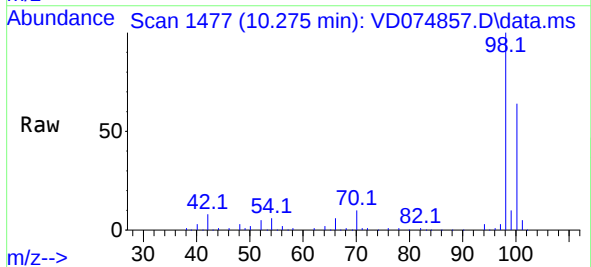
Instrument :
MSVOA_D
ClientSampleId :
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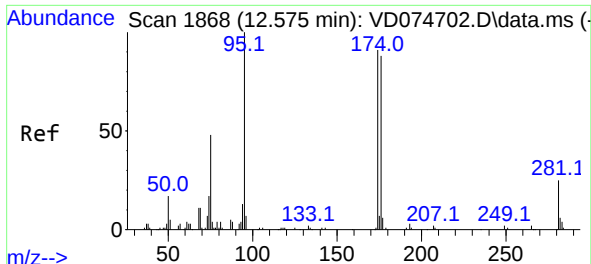
Tgt Ion: 98 Resp: 226839
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.022 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 226.2 37.8 56.6#



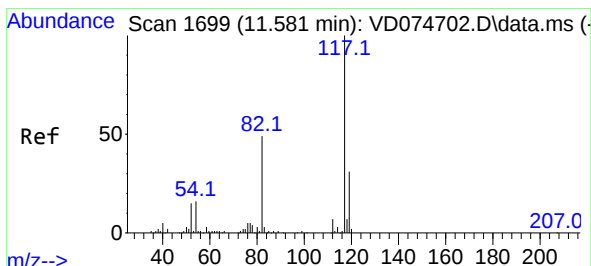
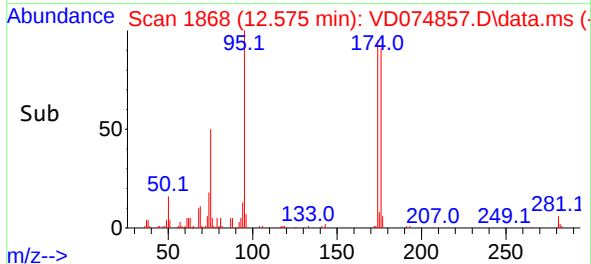
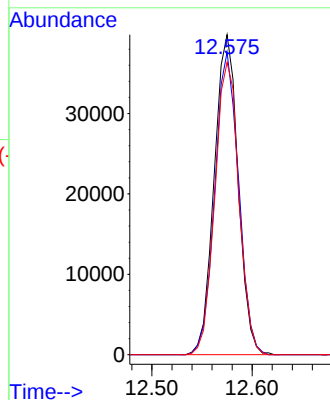
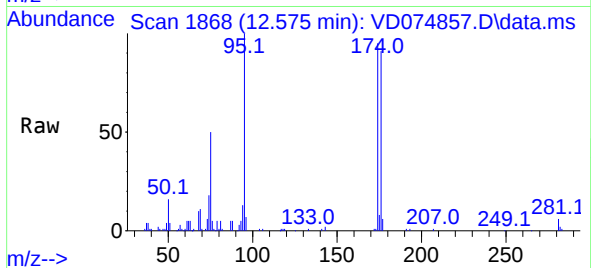


#62
4-Bromofluorobenzene
Concen: 39.110 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Instrument :
MSVOA_D
ClientSampleId :
360

Tgt Ion: 95 Resp: 65542

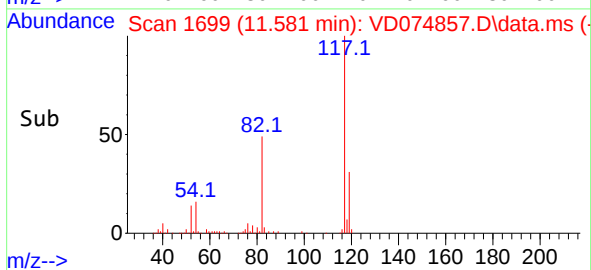
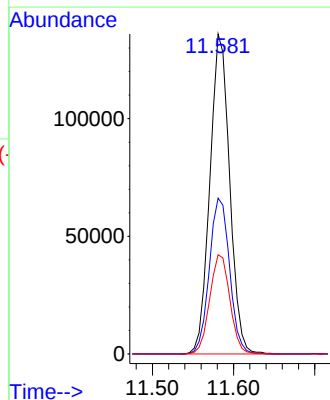
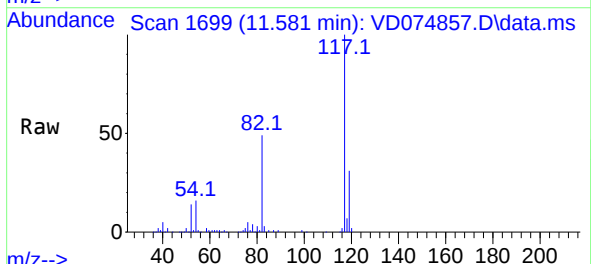
Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	197.0
176	92.0	0.0	182.6

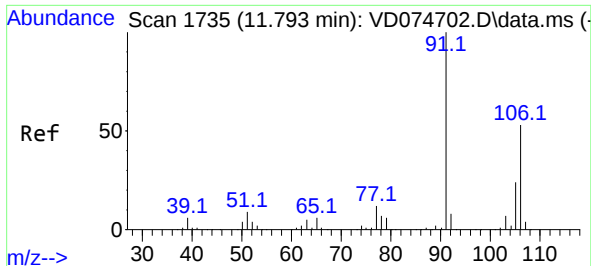


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion: 117 Resp: 229756

Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.6	62.4
119	31.0	25.2	37.8

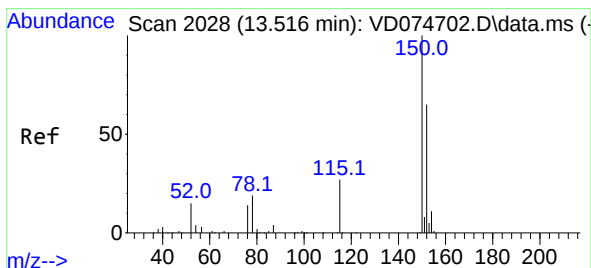
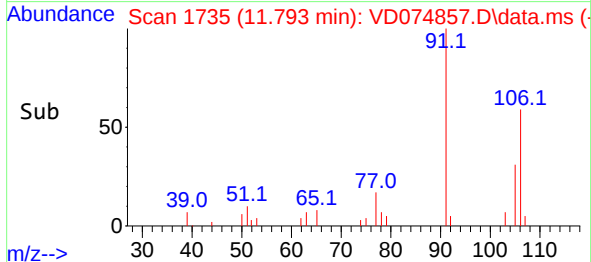
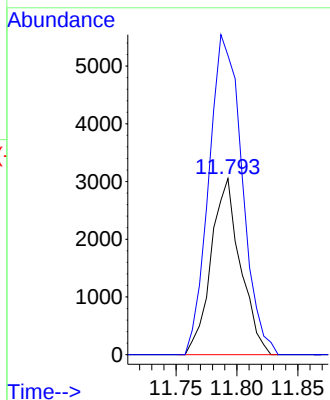
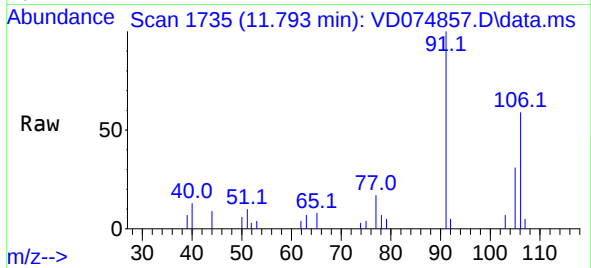




#68
m/p-Xylenes
Concen: 1.603 ug/l
RT: 11.793 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

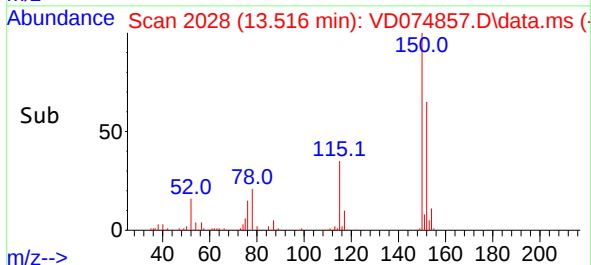
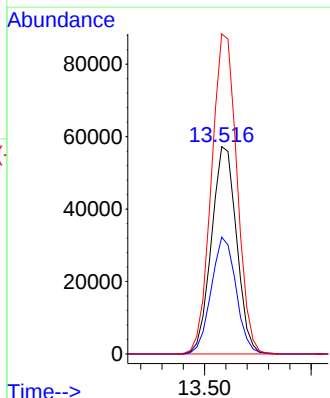
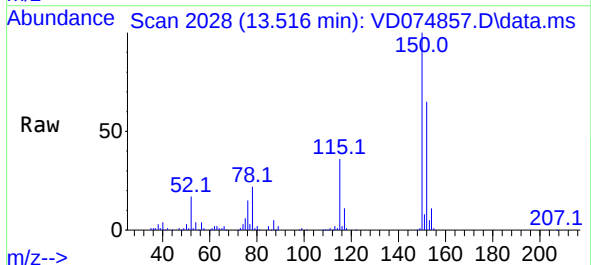
Instrument :
MSVOA_D
ClientSampleId :
360

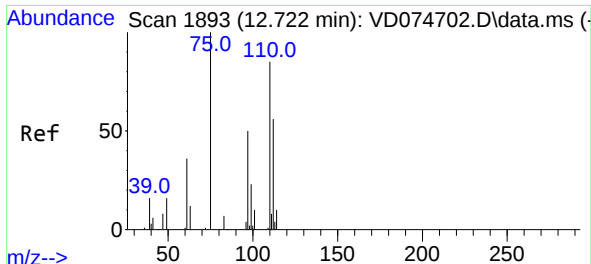
Tgt Ion:106 Resp: 5132
Ion Ratio Lower Upper
106 100
91 205.2 156.2 234.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion:152 Resp: 93697
Ion Ratio Lower Upper
152 100
115 55.9 26.8 80.4
150 156.9 0.0 348.2

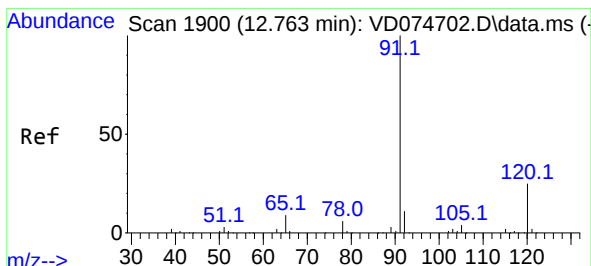
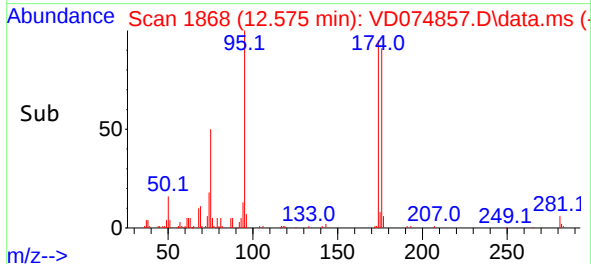
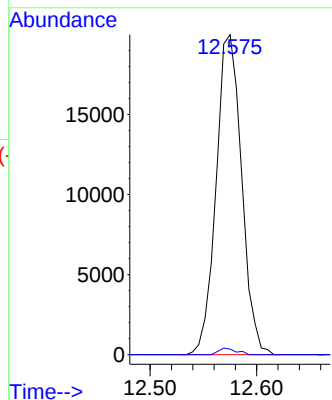
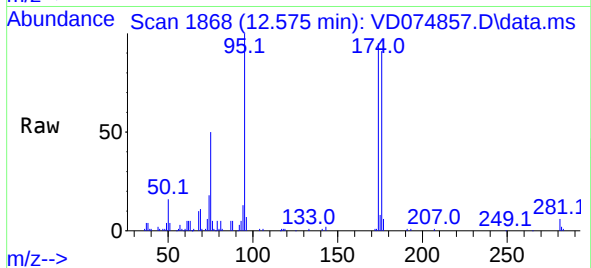




#76
1,2,3-Trichloropropane
Concen: 45.678 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

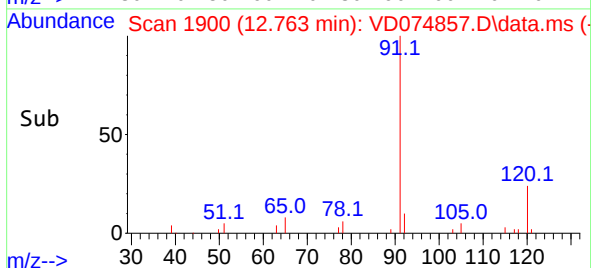
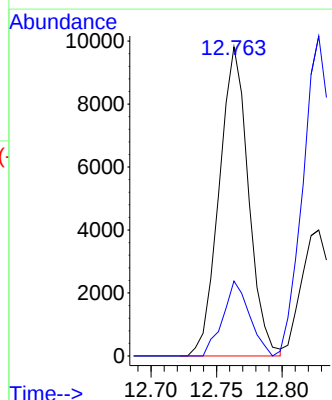
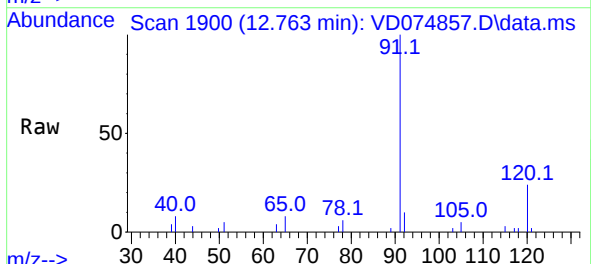
Instrument :
MSVOA_D
ClientSampleId :
360

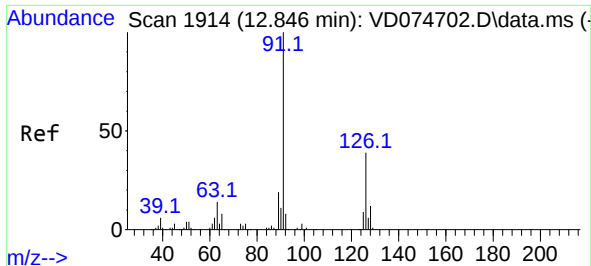
Tgt Ion: 75 Resp: 33178
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#



#78
n-propylbenzene
Concen: 1.859 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion: 91 Resp: 15247
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.7





#79

2-Chlorotoluene

Concen: 1.362 ug/l

RT: 12.828 min Scan# 1911

Delta R.T. -0.018 min

Lab File: VD074857.D

Acq: 10 Nov 2022 06:20

Instrument :

MSVOA_D

ClientSampleId :

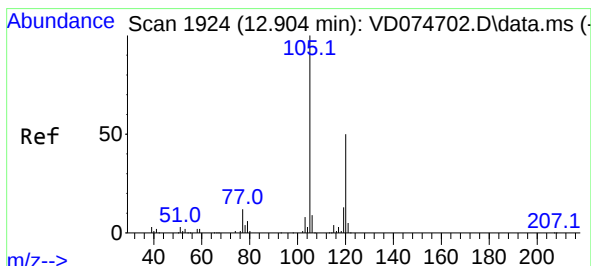
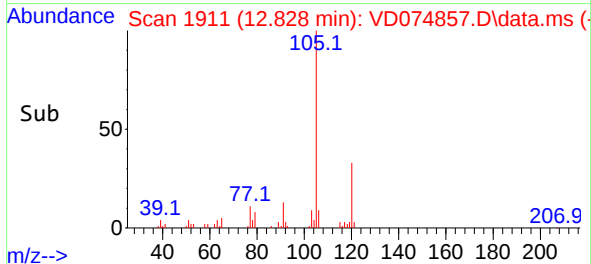
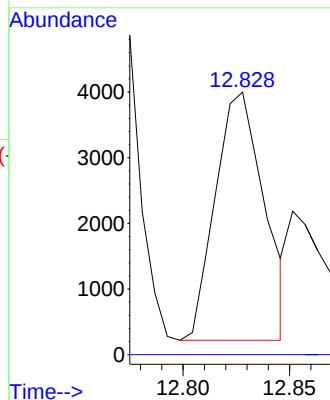
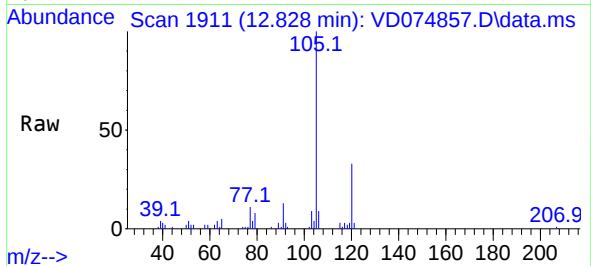
360

Tgt Ion: 91 Resp: 6014

Ion Ratio Lower Upper

91 100

126 0.0 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 4.073 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD074857.D

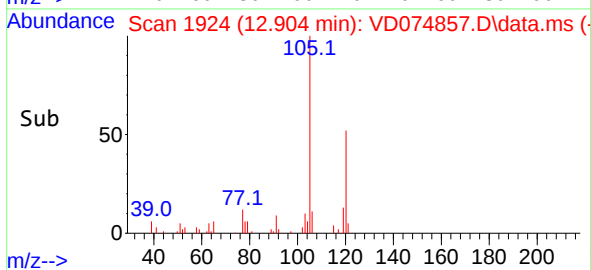
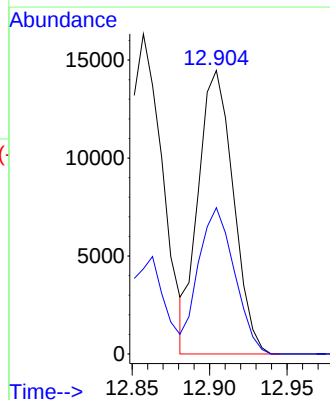
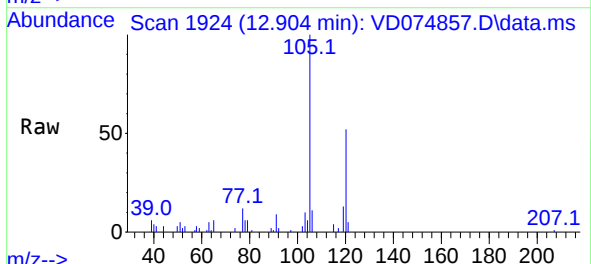
Acq: 10 Nov 2022 06:20

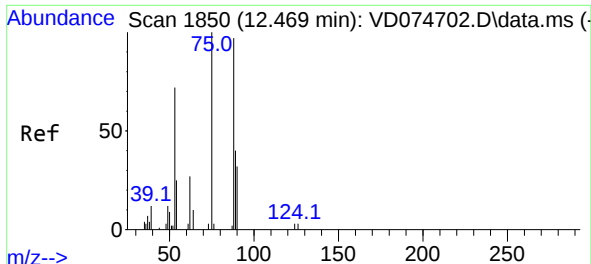
Tgt Ion: 105 Resp: 22747

Ion Ratio Lower Upper

105 100

120 53.1 25.7 77.0

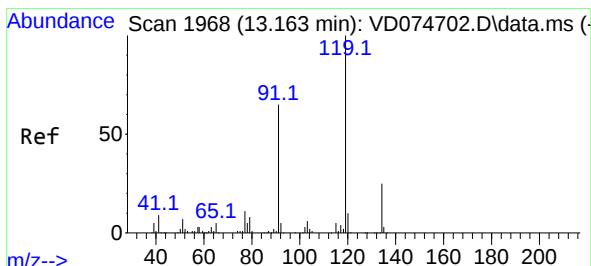
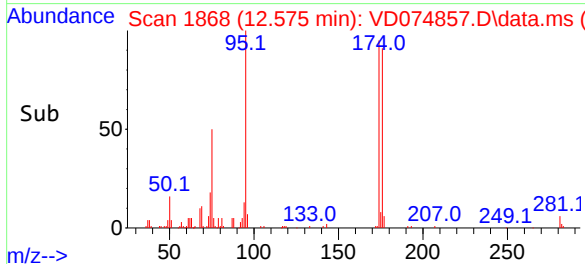
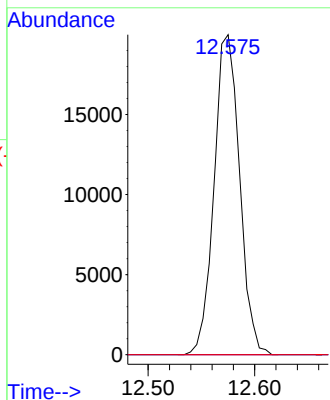
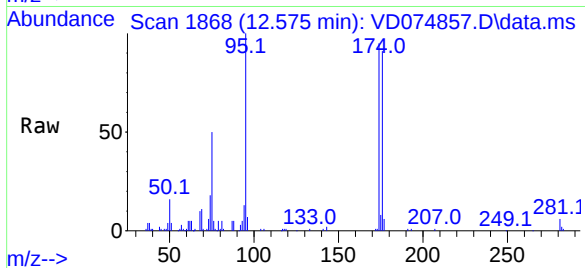




#81
trans-1,4-Dichloro-2-butene
Concen: 108.429 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

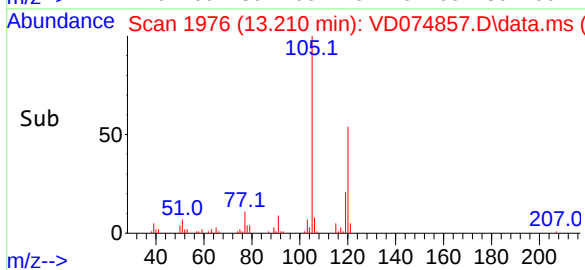
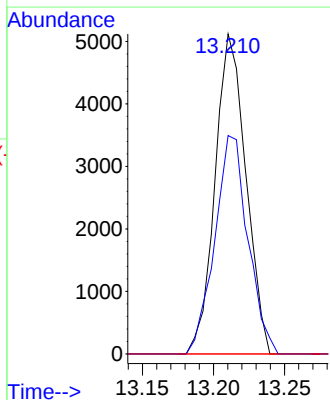
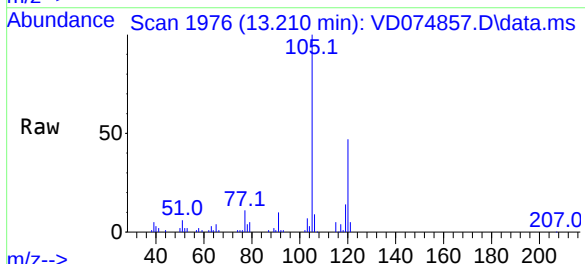
Instrument :
MSVOA_D
ClientSampleId :
360

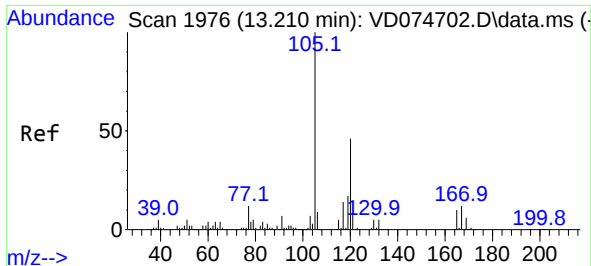
Tgt Ion:	75	Resp:	33178
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#



#83
tert-Butylbenzene
Concen: 1.569 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.047 min
Lab File: VD074857.D
Acq: 10 Nov 2022 06:20

Tgt Ion:	119	Resp:	7723
Ion	Ratio	Lower	Upper
119	100		
91	73.5	30.0	90.0
134	0.0	13.4	40.1#





#84

1,2,4-Trimethylbenzene

Concen: 10.291 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD074857.D

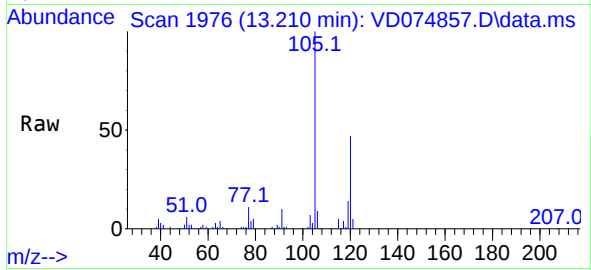
Acq: 10 Nov 2022 06:20

Instrument :

MSVOA_D

ClientSampleId :

360



Tgt Ion:105 Resp: 56710

Ion Ratio Lower Upper

105 100

120 46.7 22.9 68.7

