

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075649.D
 Acq On : 12 Apr 2023 19:46
 Operator : KP/SY
 Sample : 02320-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E9074-BAYS-001

Quant Time: Apr 13 07:31:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

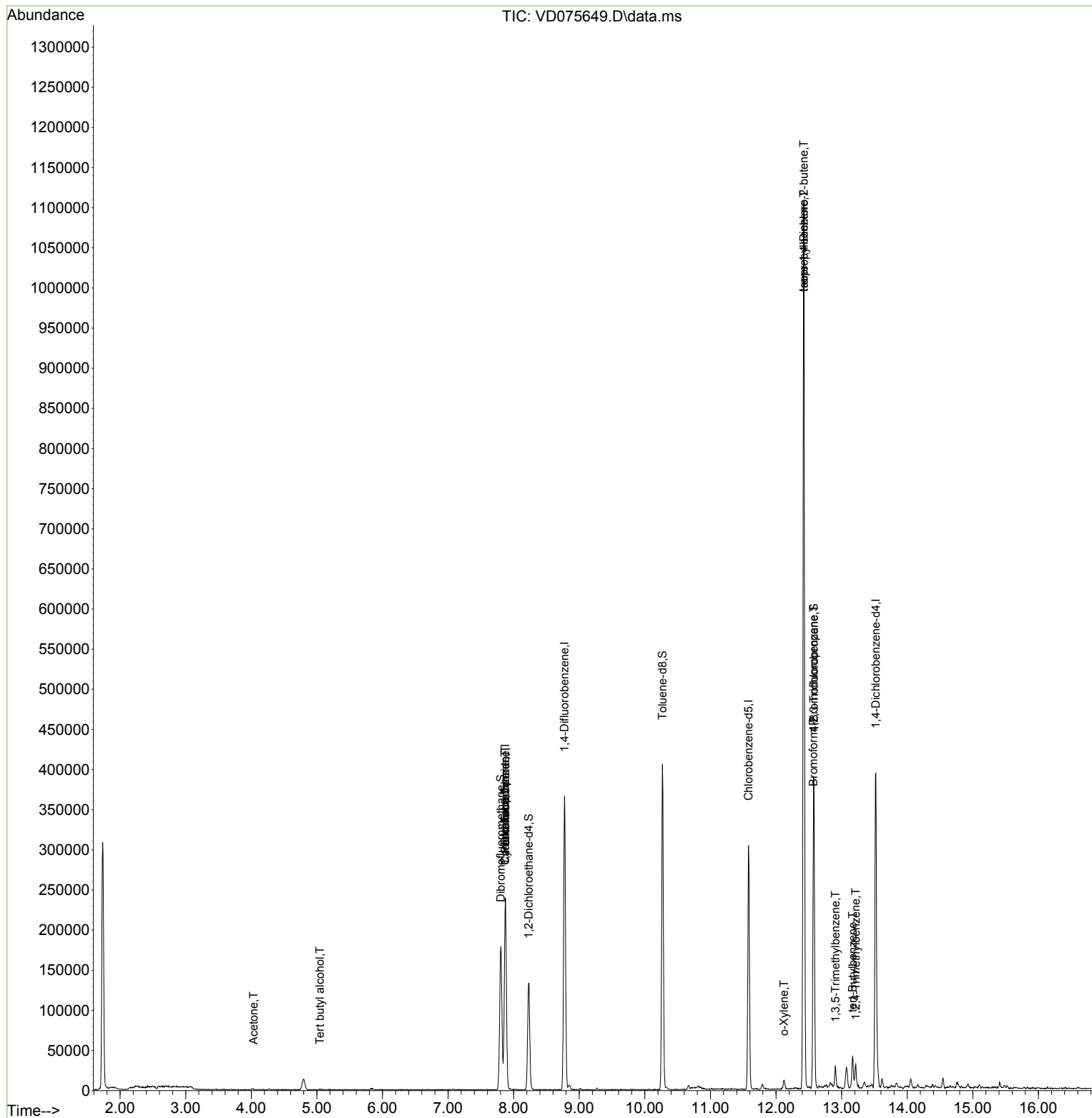
Internal Standards						
1) Pentafluorobenzene	7.875	168	194298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	114853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102439	64.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.540%	
35) Dibromofluoromethane	7.804	113	133734	64.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.480%	
50) Toluene-d8	10.269	98	298437	36.833	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 73.660%	
62) 4-Bromofluorobenzene	12.575	95	121650	51.034	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	384	5.096	ug/l #	100
16) Acetone	4.034	43	1395	4.803	ug/l #	27
20) Methylene Chloride	4.805	84	12745	Below Cal	#	68
31) Cyclohexane	7.869	56	3551	1.531	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	13973	5.296	ug/l #	46
38) Carbon Tetrachloride	7.869	117	18004	7.116	ug/l #	16
69) o-Xylene	12.122	106	3337	1.499	ug/l	95
71) Bromoform	12.569	173	715	1.075	ug/l #	1
73) Isopropylbenzene	12.422	105	725966	101.859	ug/l	99
76) 1,2,3-Trichloropropane	12.575	75	60227	80.659	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.904	105	13440	2.303	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.422	75	7244	18.471	ug/l #	55
83) tert-Butylbenzene	13.169	119	18687	3.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	13106	2.223	ug/l	94

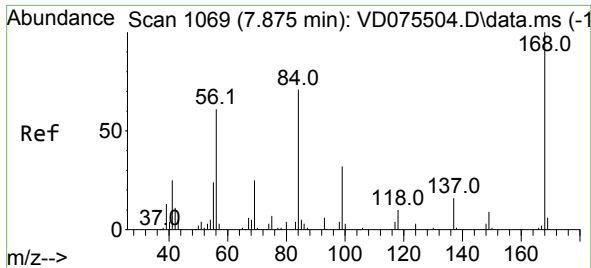
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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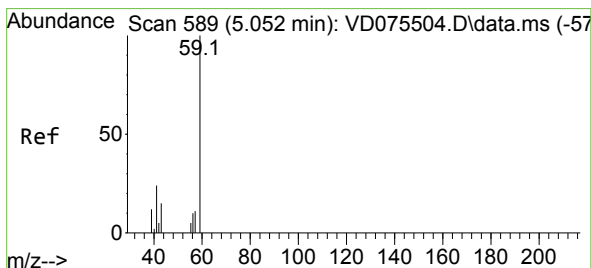
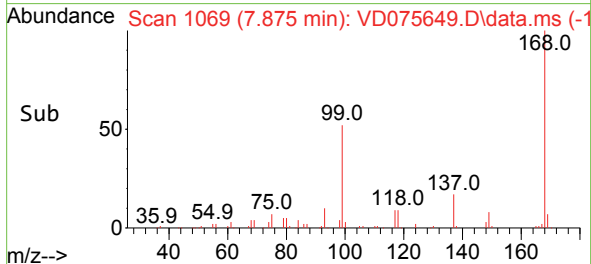
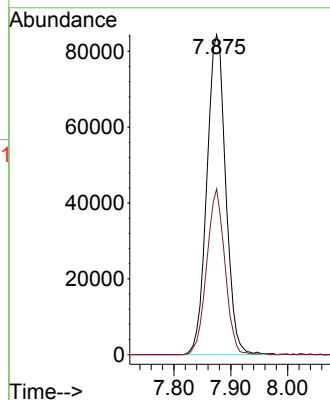
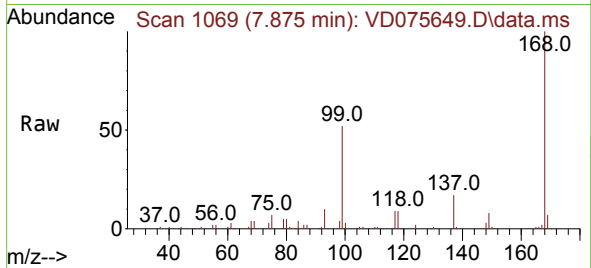




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

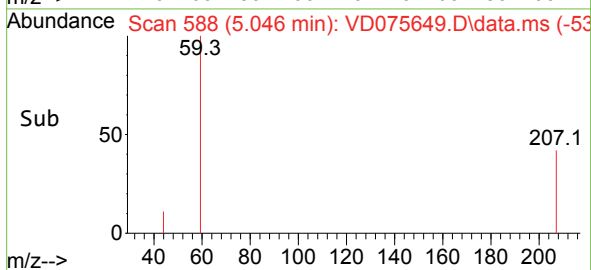
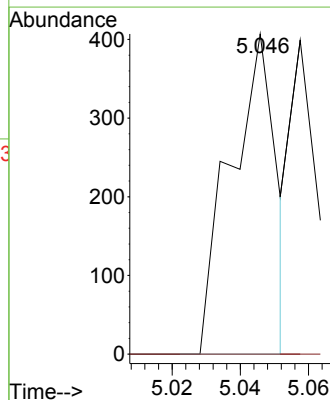
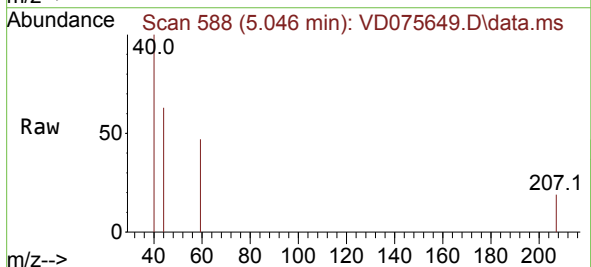
Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

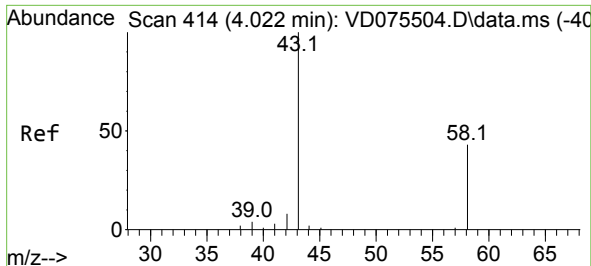
Tgt Ion:168 Resp: 194298
Ion Ratio Lower Upper
168 100
99 51.8 43.8 65.6



#11
Tert butyl alcohol
Concen: 5.096 ug/l
RT: 5.046 min Scan# 588
Delta R.T. -0.012 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#16

Acetone

Concen: 4.803 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

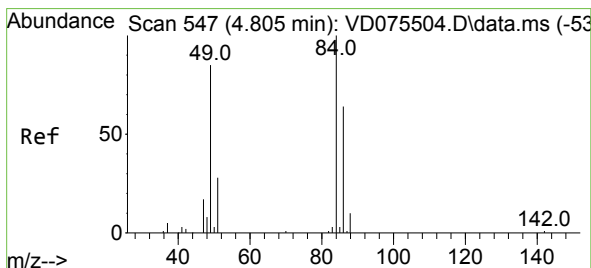
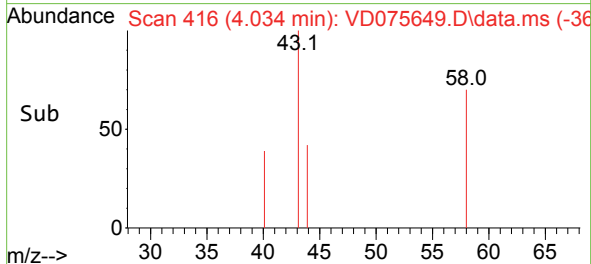
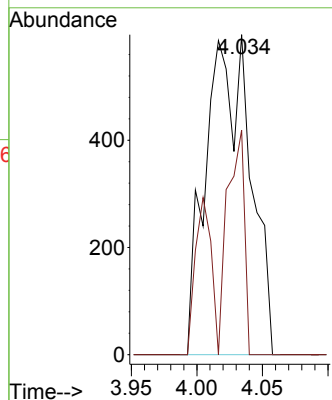
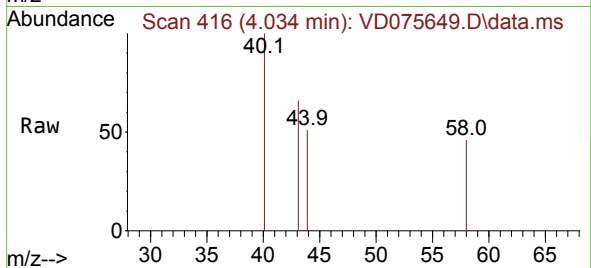
E9074-BAYS-001

Tgt Ion: 43 Resp: 1395

Ion Ratio Lower Upper

43 100

58 70.2 24.4 36.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Tgt Ion: 84 Resp: 12745

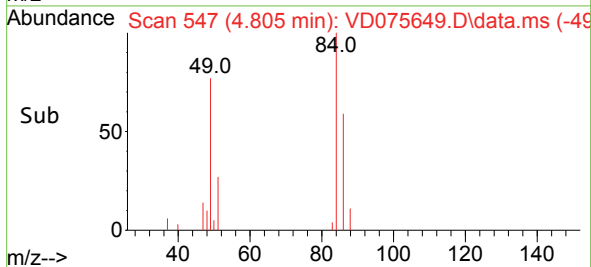
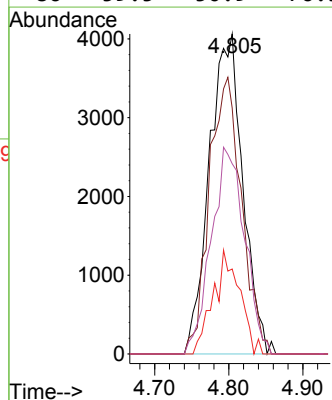
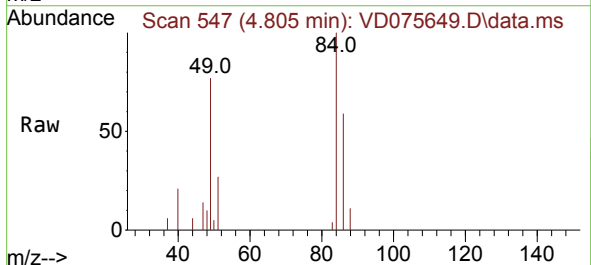
Ion Ratio Lower Upper

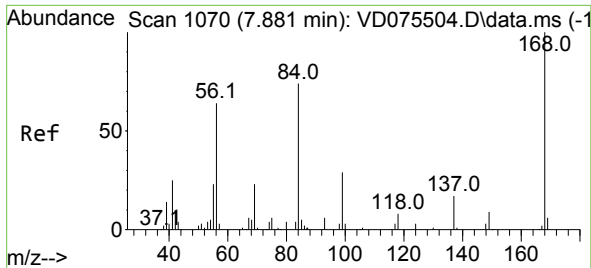
84 100

49 76.9 106.4 159.6#

51 26.6 32.4 48.6#

86 59.5 50.9 76.3

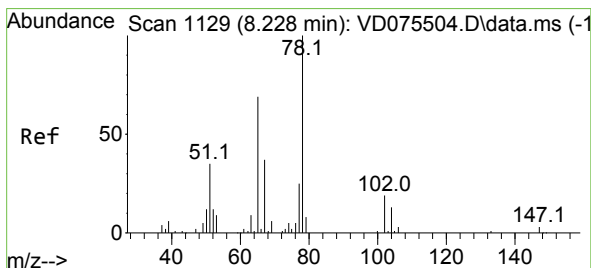
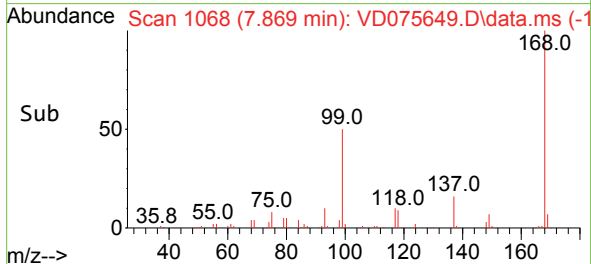
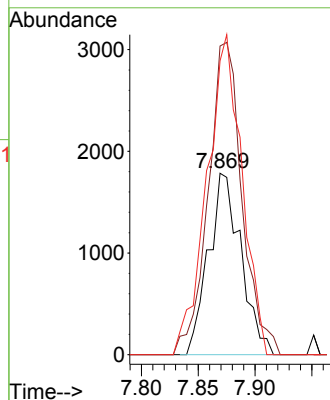
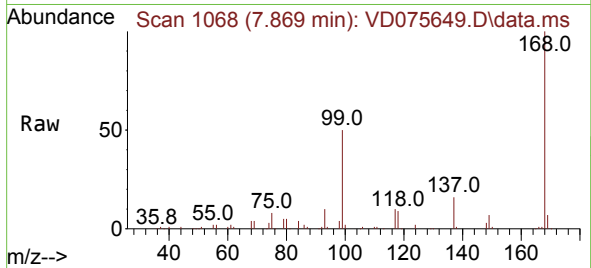




#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

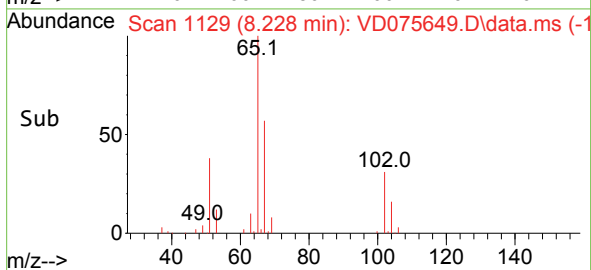
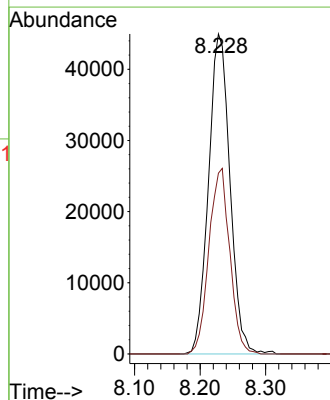
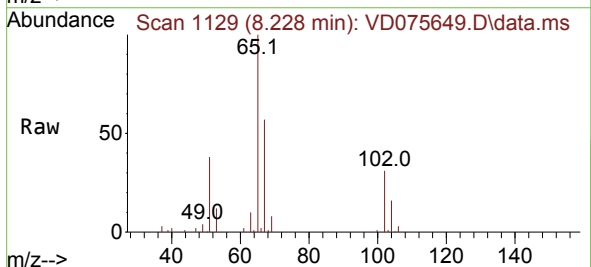
Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

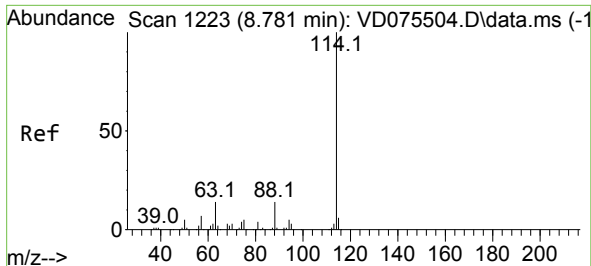
Tgt Ion: 56 Resp: 3551
Ion Ratio Lower Upper
56 100
69 170.0 25.5 38.3#
84 161.8 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 64.268 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion: 65 Resp: 102439
Ion Ratio Lower Upper
65 100
67 56.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

E9074-BAYS-001

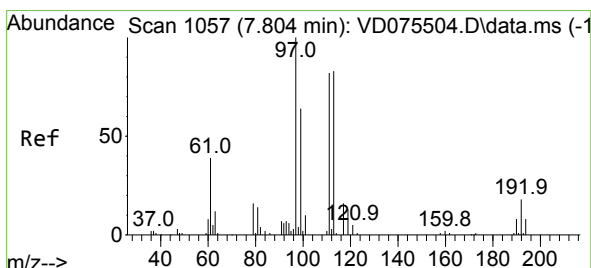
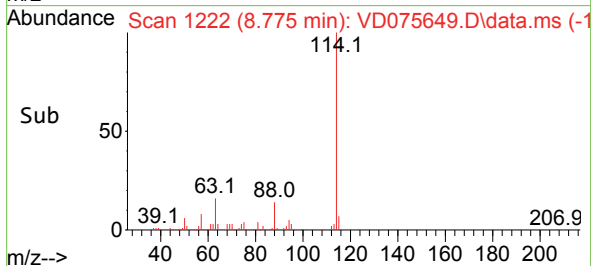
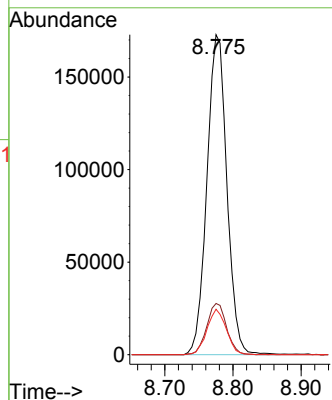
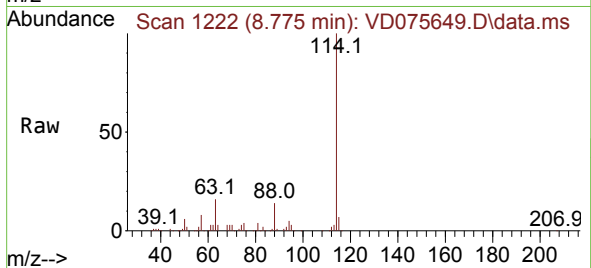
Tgt Ion:114 Resp: 352476

Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.740 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

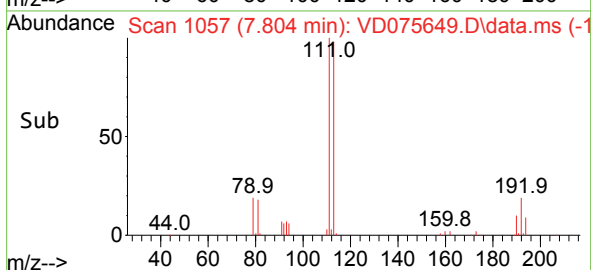
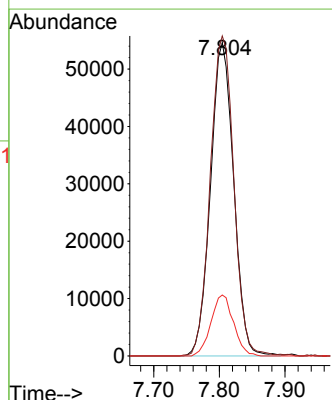
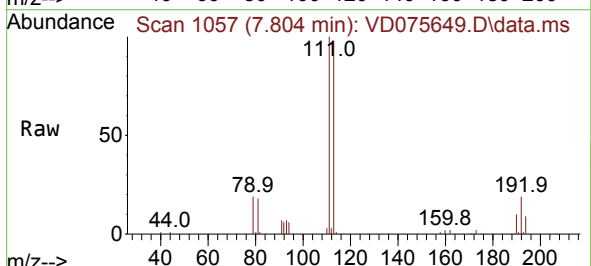
Tgt Ion:113 Resp: 133734

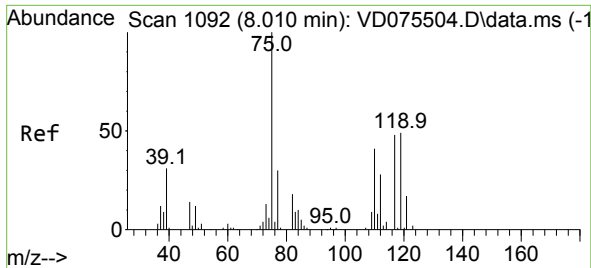
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 18.9 15.2 22.8

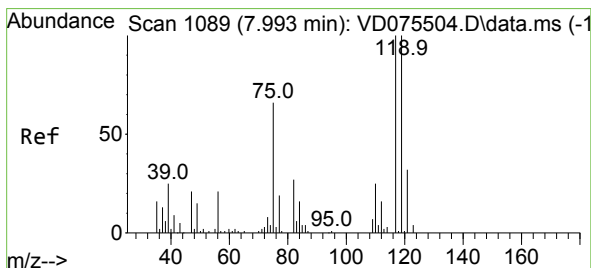
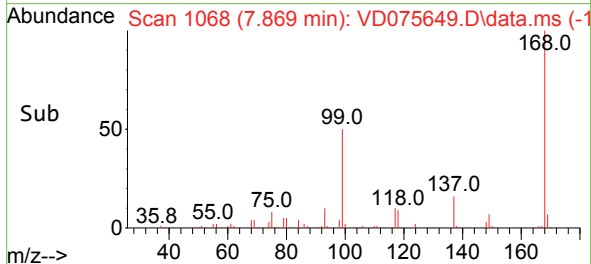
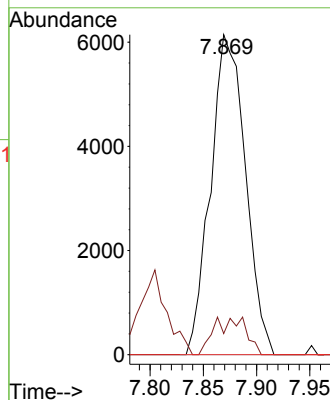
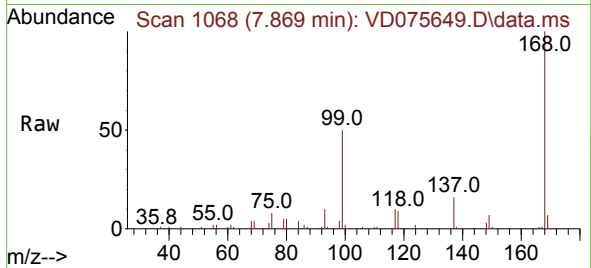




#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.136 min
 Lab File: VD075649.D
 Acq: 12 Apr 2023 19:46

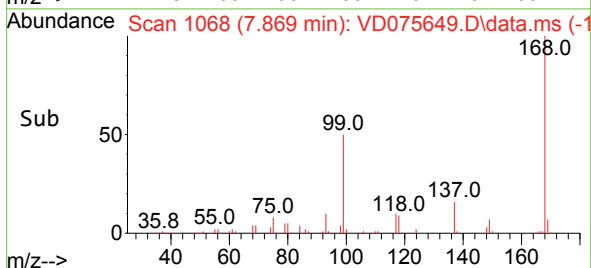
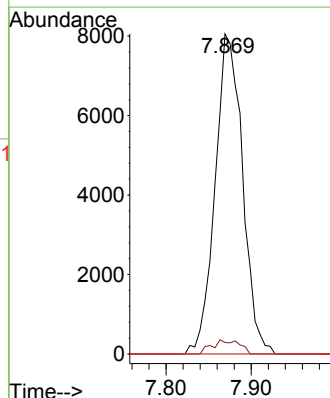
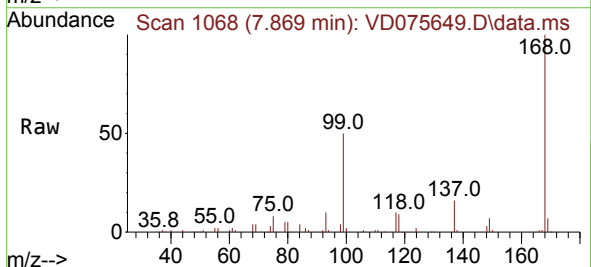
Instrument :
 MSVOA_D
 ClientSampleId :
 E9074-BAYS-001

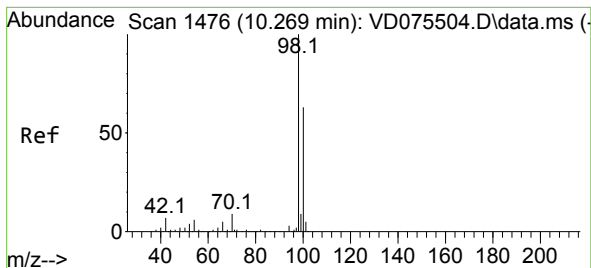
Tgt Ion: 75 Resp: 13973
 Ion Ratio Lower Upper
 75 100
 110 4.4 17.1 51.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.116 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.124 min
 Lab File: VD075649.D
 Acq: 12 Apr 2023 19:46

Tgt Ion: 117 Resp: 18004
 Ion Ratio Lower Upper
 117 100
 119 3.6 74.7 112.1#
 121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 36.833 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

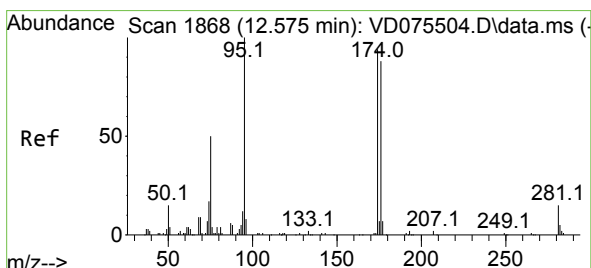
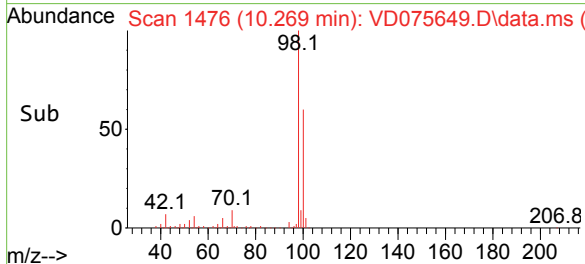
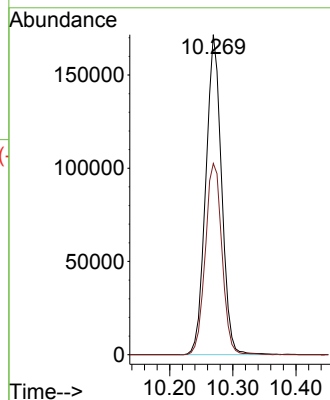
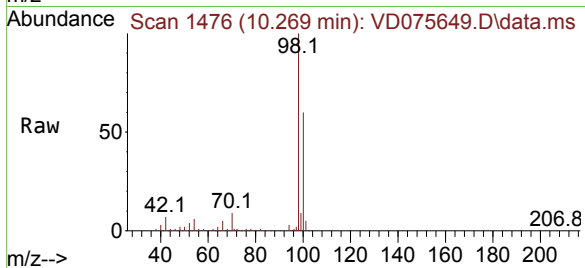
E9074-BAYS-001

Tgt Ion: 98 Resp: 298437

Ion Ratio Lower Upper

98 100

100 63.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 51.034 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

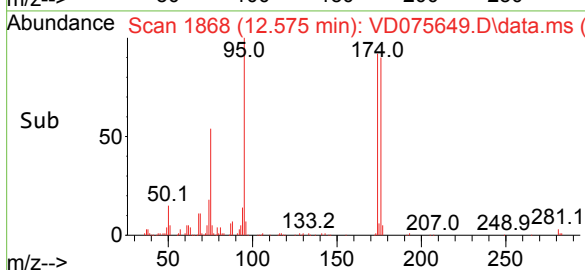
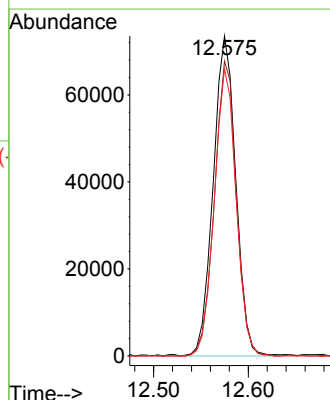
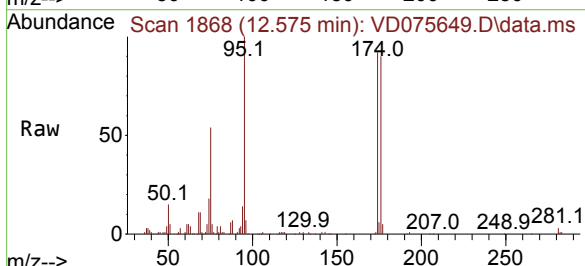
Tgt Ion: 95 Resp: 121650

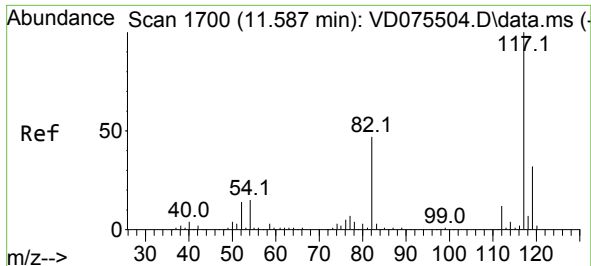
Ion Ratio Lower Upper

95 100

174 89.5 0.0 164.0

176 86.5 0.0 156.8

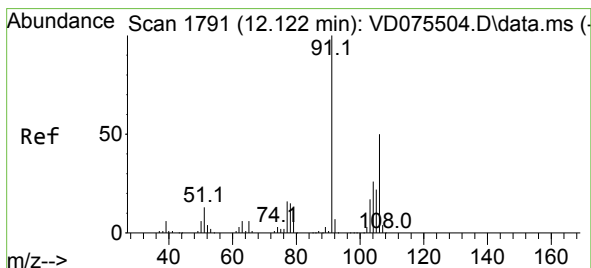
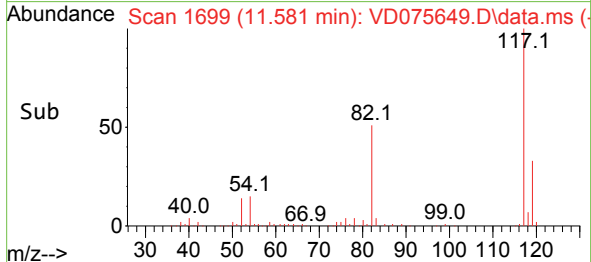
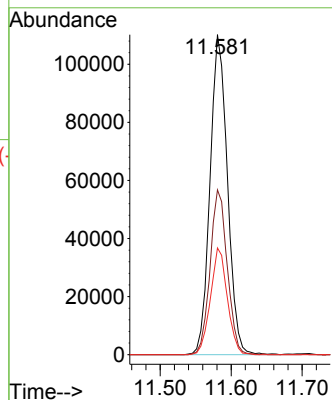
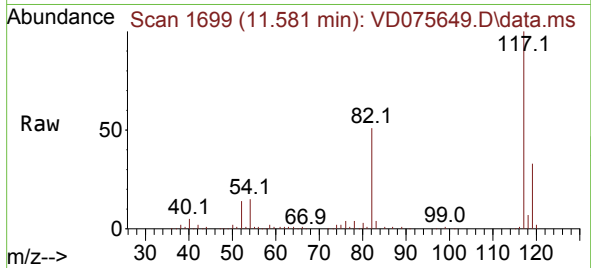




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

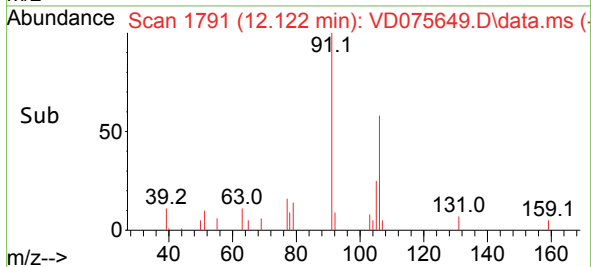
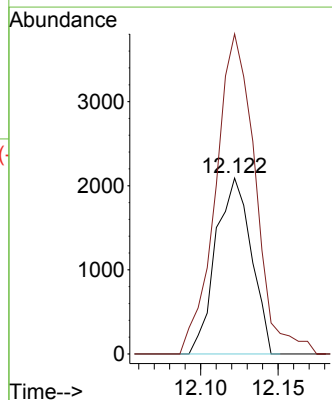
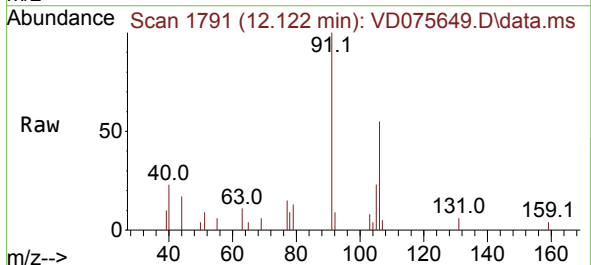
Instrument :
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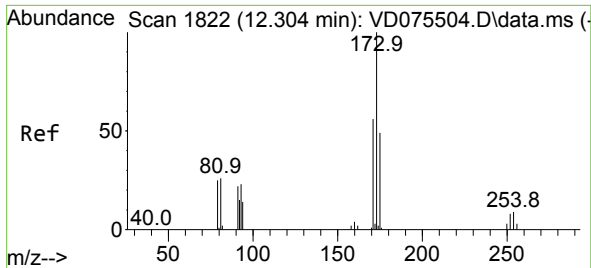
Tgt Ion:117 Resp: 187454
Ion Ratio Lower Upper
117 100
82 51.5 44.0 66.0
119 33.3 25.1 37.7



#69
o-Xylene
Concen: 1.499 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

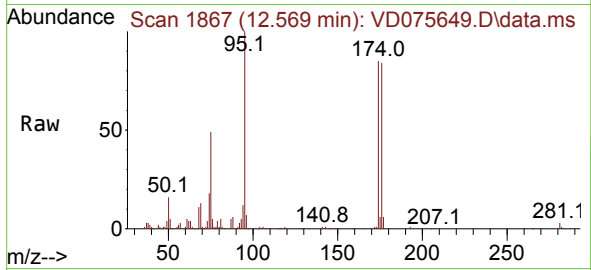
Tgt Ion:106 Resp: 3337
Ion Ratio Lower Upper
106 100
91 202.9 105.7 317.1



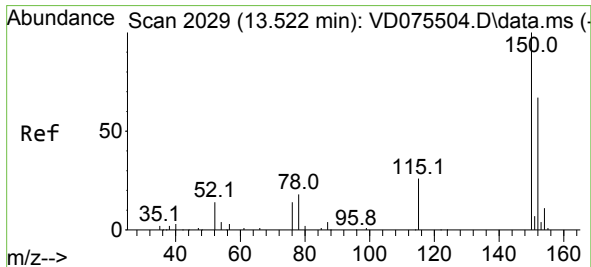
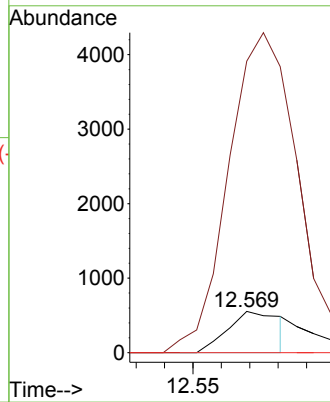
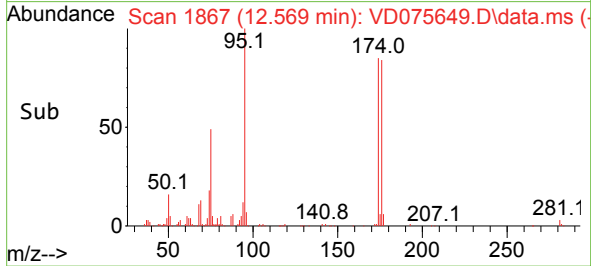


#71
Bromoform
Concen: 1.075 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.265 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

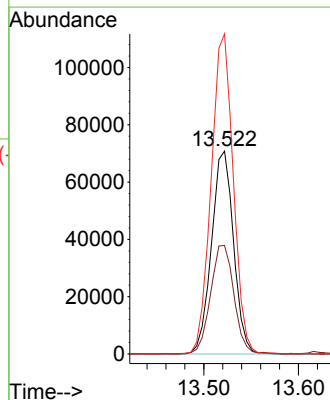
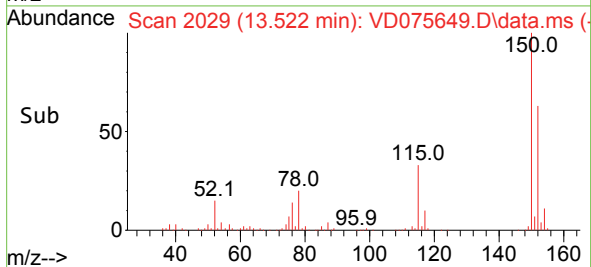
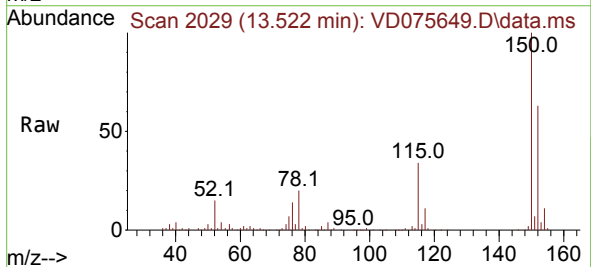


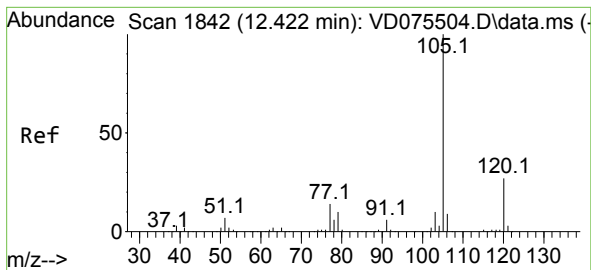
Tgt Ion:173 Resp: 715
Ion Ratio Lower Upper
173 100
175 801.4 23.5 70.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion:152 Resp: 114853
Ion Ratio Lower Upper
152 100
115 56.8 30.1 90.3
150 157.7 0.0 364.8





#73

Isopropylbenzene

Concen: 101.859 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

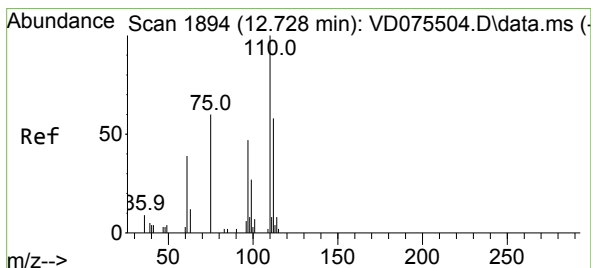
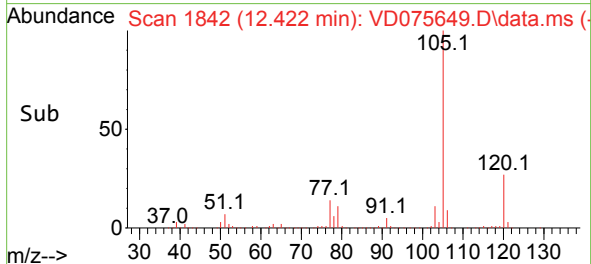
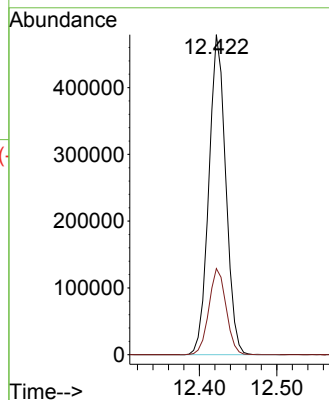
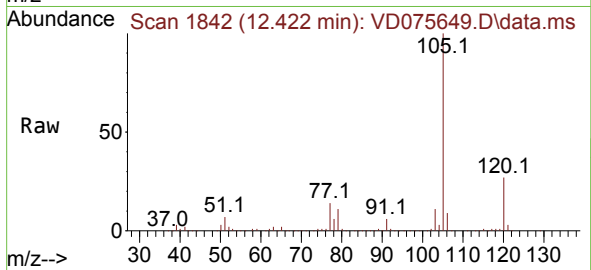
E9074-BAYS-001

Tgt Ion:105 Resp: 725966

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 80.659 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075649.D

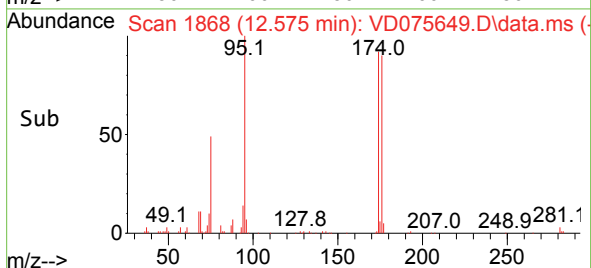
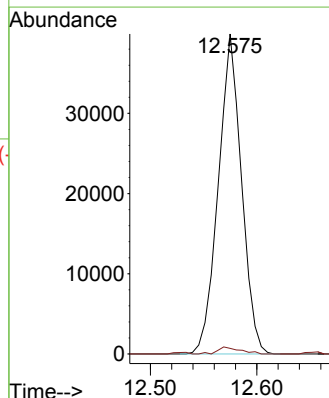
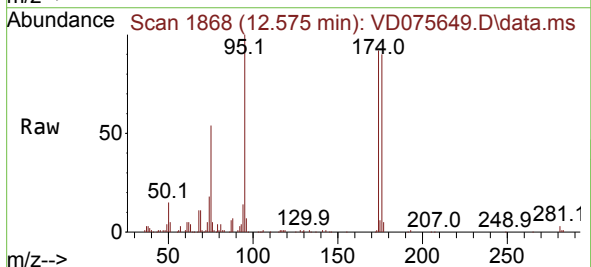
Acq: 12 Apr 2023 19:46

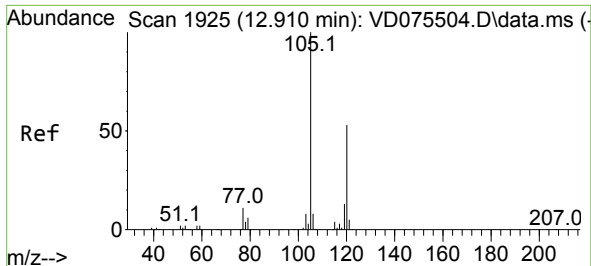
Tgt Ion: 75 Resp: 60227

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

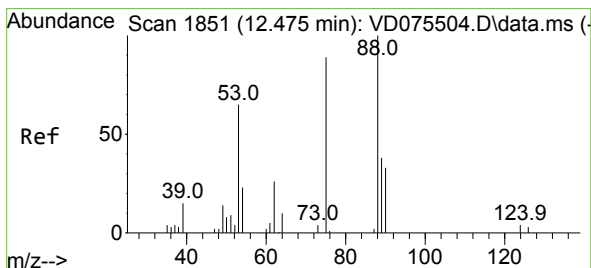
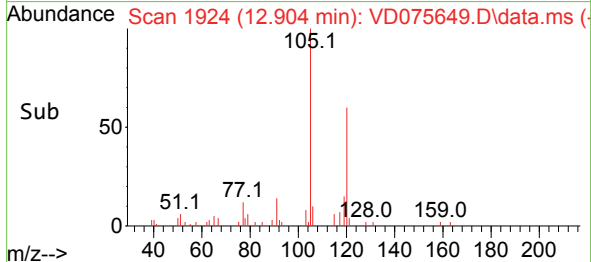
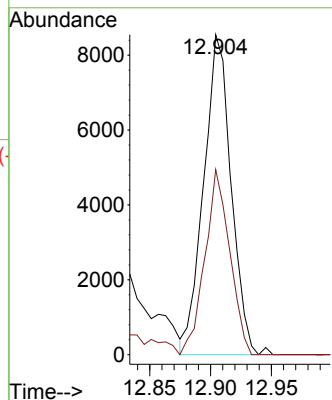
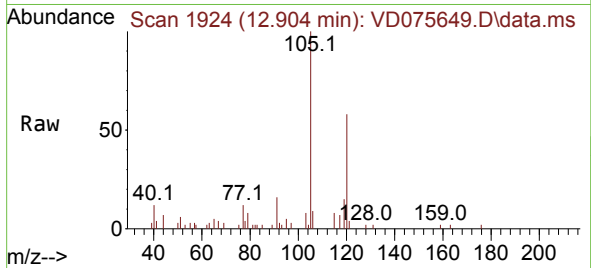




#80
1,3,5-Trimethylbenzene
Concen: 2.303 ug/l
RT: 12.904 min Scan# 1925
Delta R.T. -0.006 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

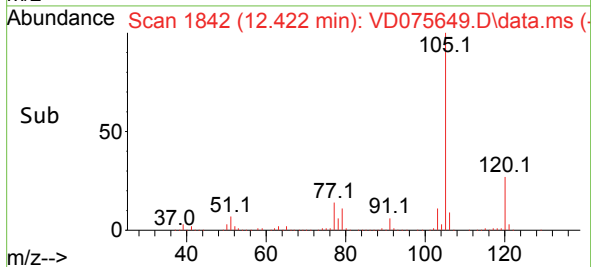
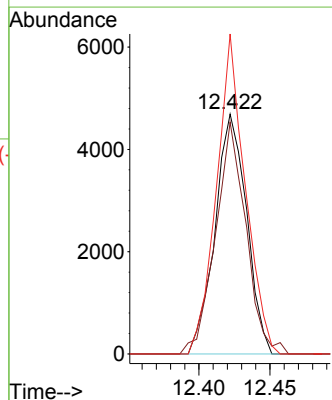
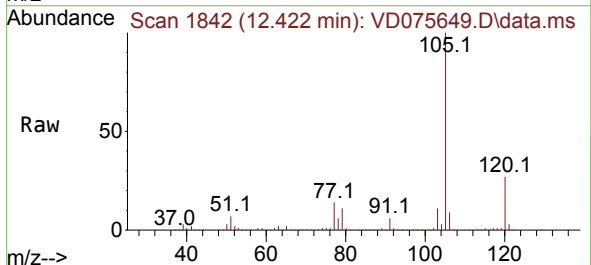
Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

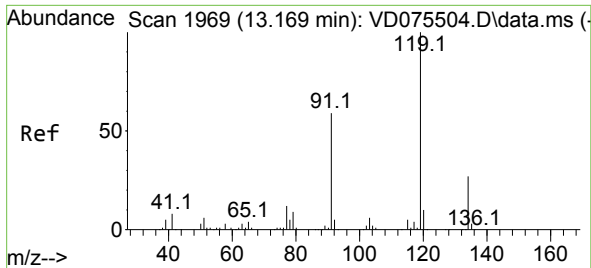
Tgt Ion:105 Resp: 13440
Ion Ratio Lower Upper
105 100
120 52.4 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 18.471 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.047 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion: 75 Resp: 7244
Ion Ratio Lower Upper
75 100
53 93.1 90.5 135.7
89 121.5 40.2 60.4#

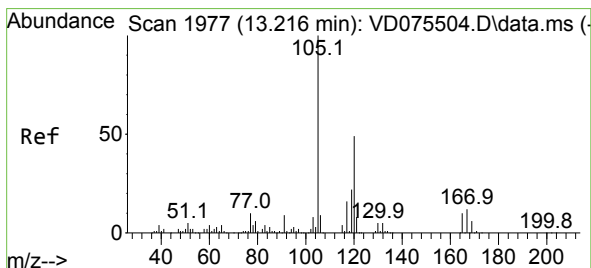
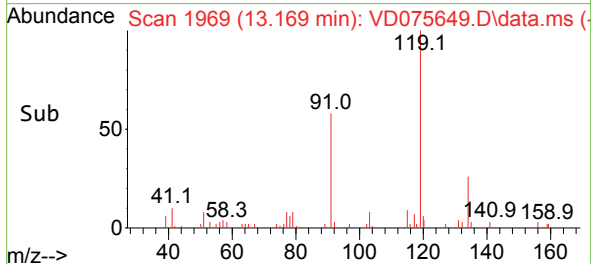
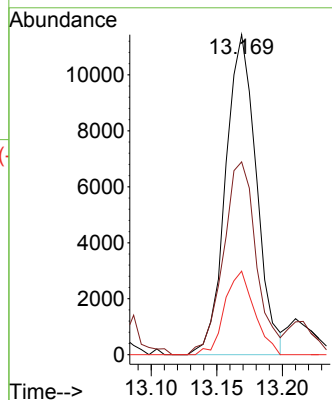
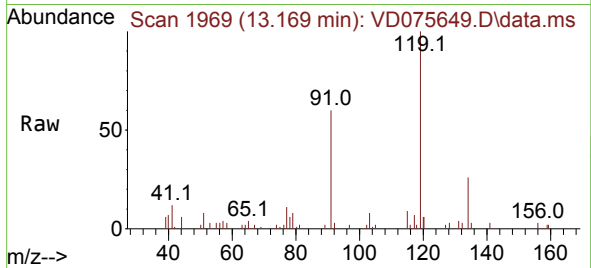




#83
 tert-Butylbenzene
 Concen: 3.687 ug/l
 RT: 13.169 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD075649.D
 Acq: 12 Apr 2023 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 E9074-BAYS-001

Tgt Ion:	119	Resp:	18687
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.4	97.0
134	25.1	13.0	39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.223 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD075649.D
 Acq: 12 Apr 2023 19:46

Tgt Ion:	105	Resp:	13106
Ion	Ratio	Lower	Upper
105	100		
120	48.6	22.3	66.9

