

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017331.D
 Acq On : 09 Feb 2024 11:28
 Operator : SY/MD
 Sample : VY0209SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBL01

Quant Time: Feb 09 21:59:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

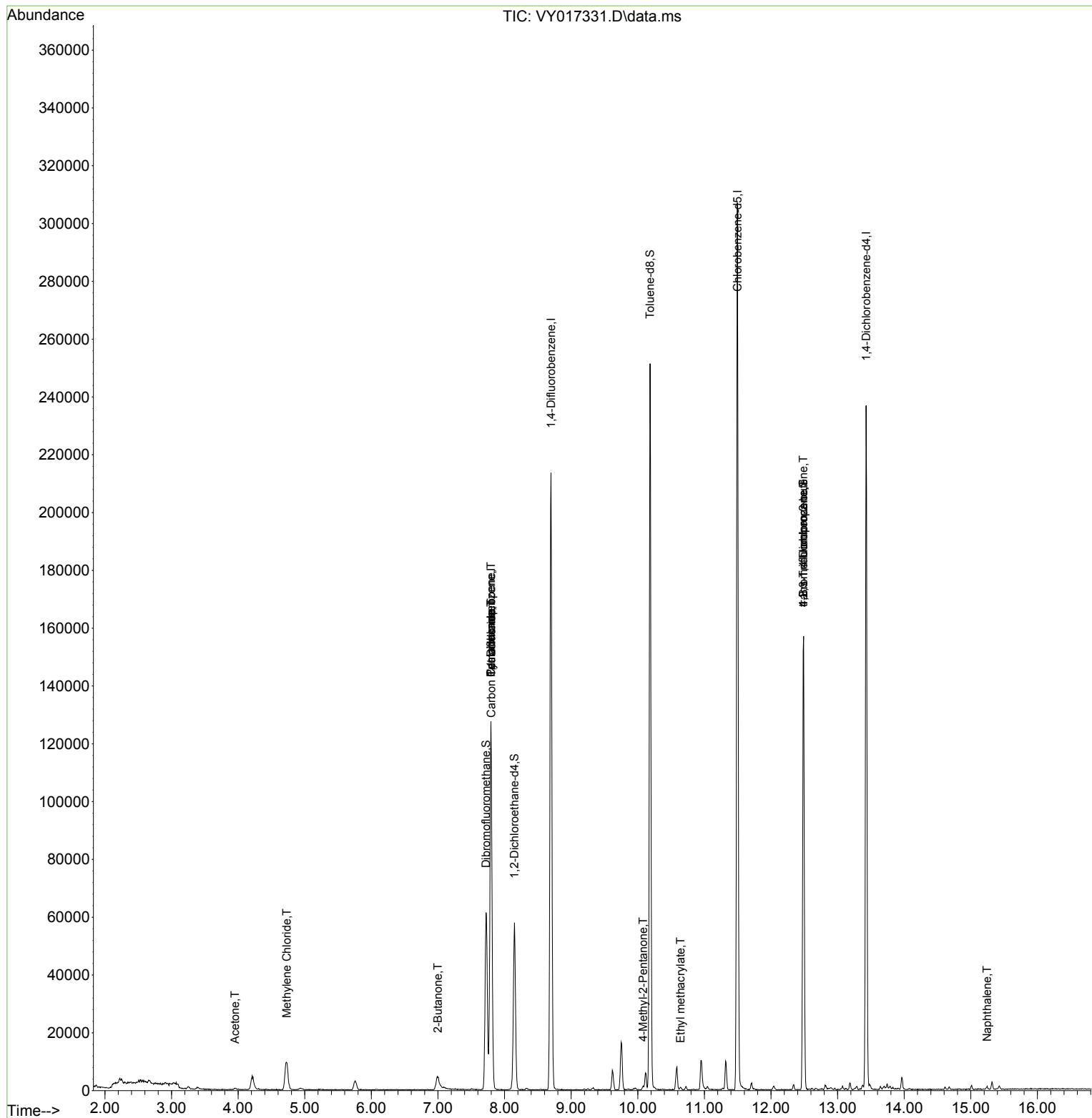
Internal Standards						
1) Pentafluorobenzene	7.795	168	95344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	182439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	163183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42481	49.875	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.722	113	44505	45.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.360%		
50) Toluene-d8	10.185	98	160993	44.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.483	95	44101	37.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.080%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	353	Below Cal	#	75
16) Acetone	3.954	43	917	3.663	ug/l	96
20) Methylene Chloride	4.729	84	7558	4.160	ug/l	91
25) 2-Butanone	6.997	43	335	1.007	ug/l #	48
31) Cyclohexane	7.795	56	2205	1.284	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7977	4.695	ug/l #	49
38) Carbon Tetrachloride	7.801	117	9575	5.886	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	925	1.237	ug/l	94
56) Ethyl methacrylate	10.642	69	120	3.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	23233	41.631	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23233	86.503	ug/l #	12
95) Naphthalene	15.245	128	1046	4.033	ug/l #	95

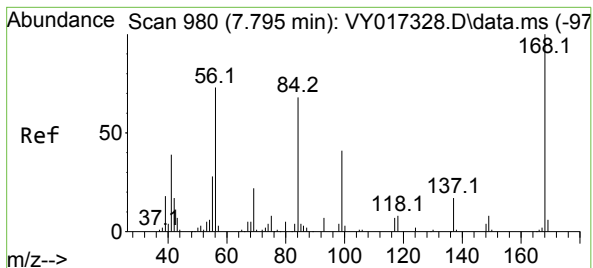
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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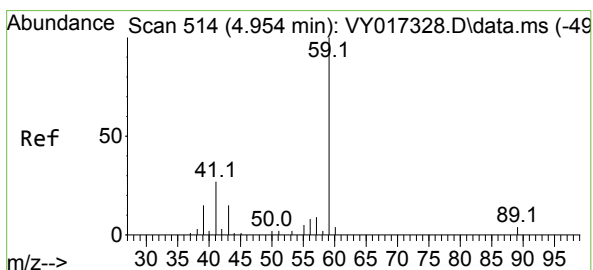
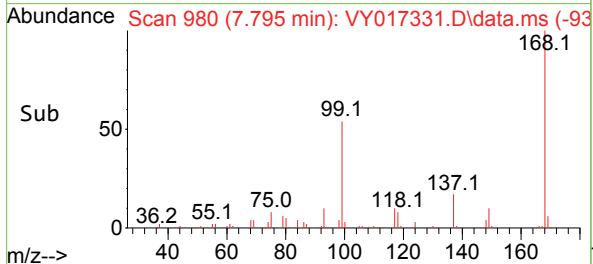
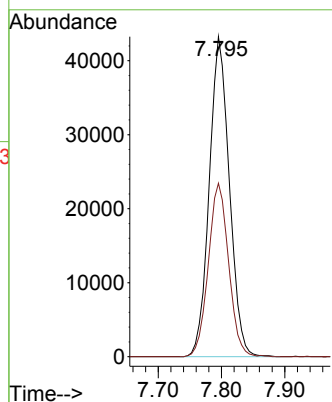
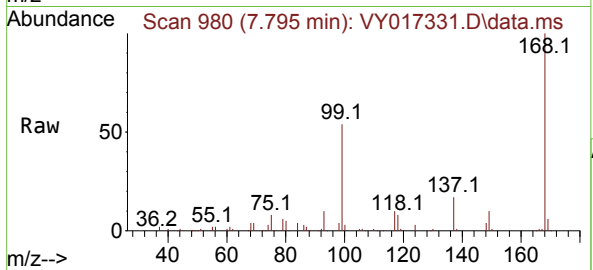




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

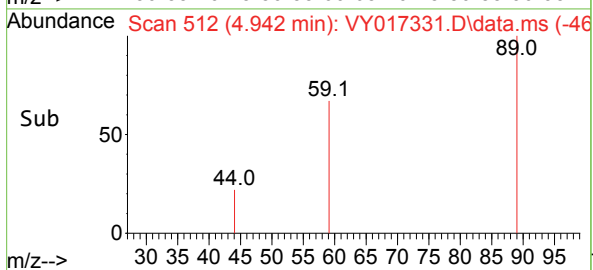
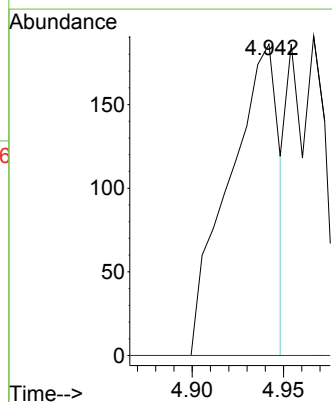
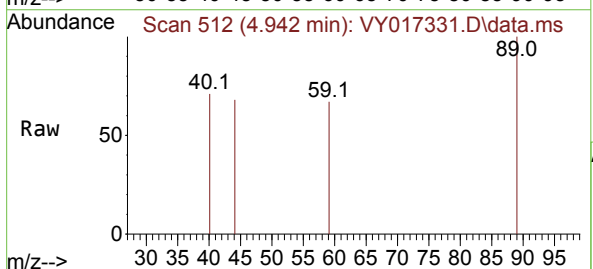
Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

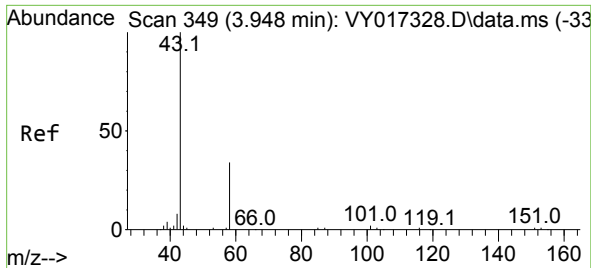
Tgt Ion:168 Resp: 95344
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.663 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.007 min

Lab File: VY017331.D

Acq: 09 Feb 2024 11:28

Instrument :

MSVOA_Y

ClientSampleId :

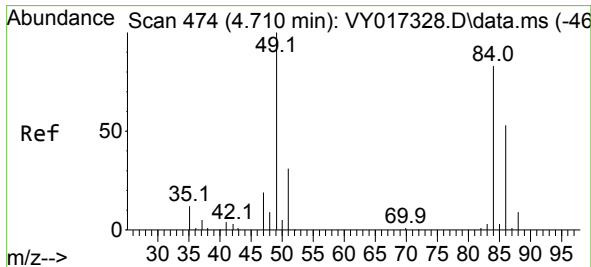
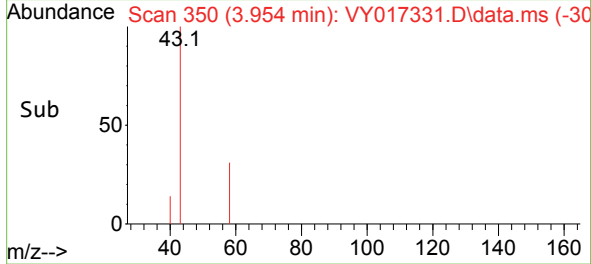
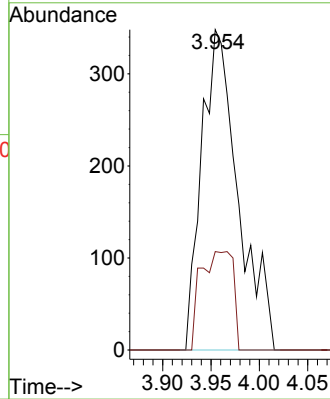
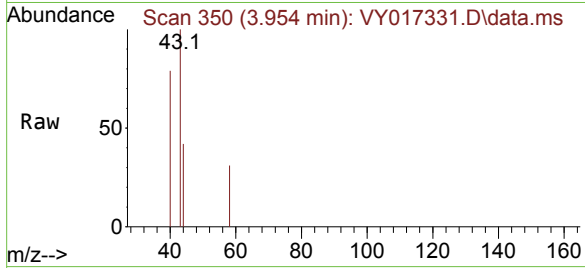
VY0209SBL01

Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

58 30.7 26.6 39.8



#20

Methylene Chloride

Concen: 4.160 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.001 min

Lab File: VY017331.D

Acq: 09 Feb 2024 11:28

Tgt Ion: 84 Resp: 7558

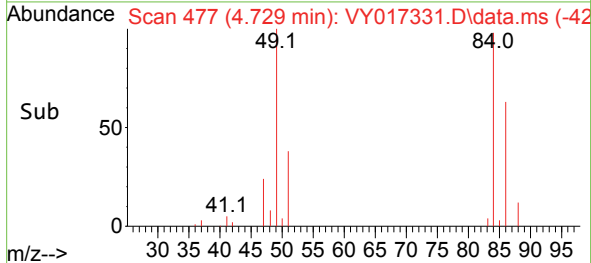
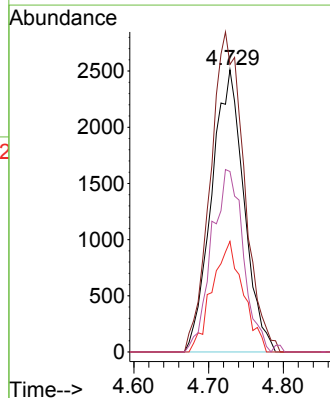
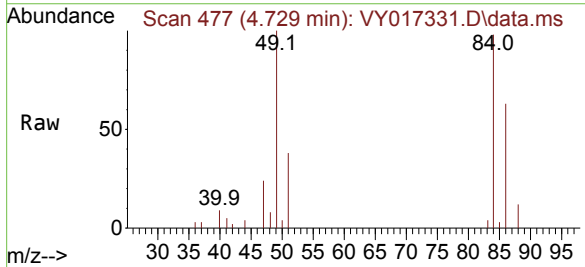
Ion Ratio Lower Upper

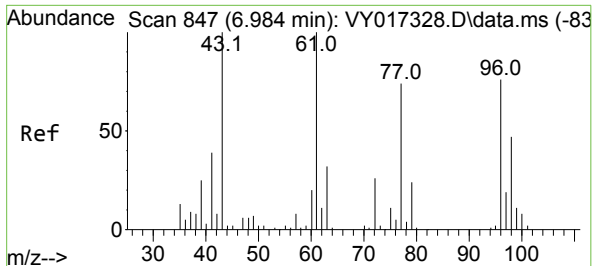
84 100

49 101.9 95.2 142.8

51 39.2 29.9 44.9

86 63.9 52.2 78.4





#25

2-Butanone

Concen: 1.007 ug/l

RT: 6.997 min Scan# 84

Delta R.T. 0.007 min

Lab File: VY017331.D

Acq: 09 Feb 2024 11:28

Instrument :

MSVOA_Y

ClientSampleId :

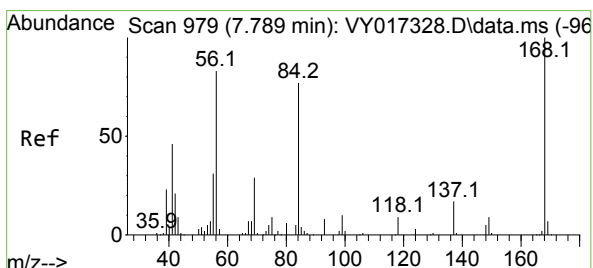
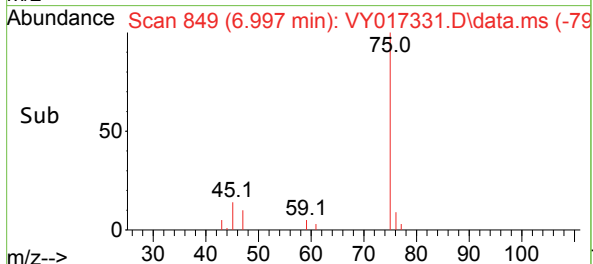
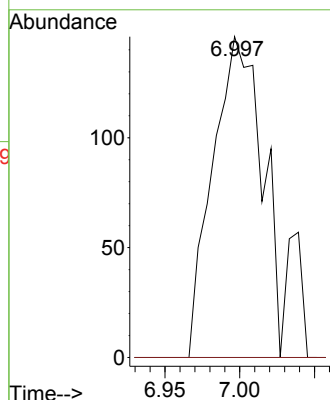
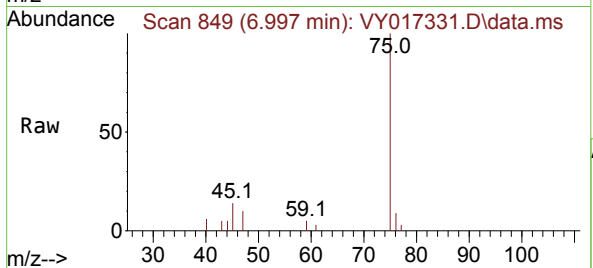
VY0209SBL01

Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY017331.D

Acq: 09 Feb 2024 11:28

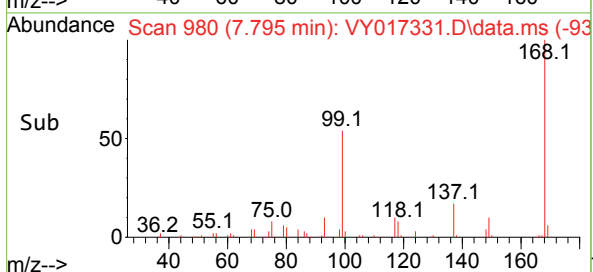
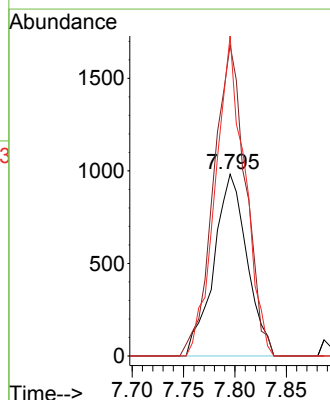
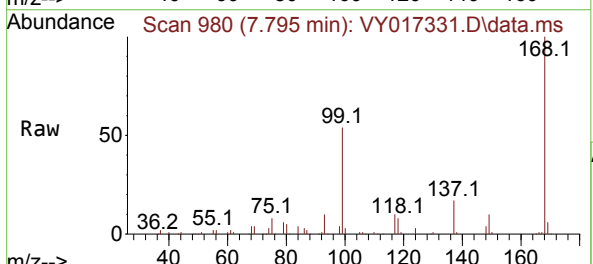
Tgt Ion: 56 Resp: 2205

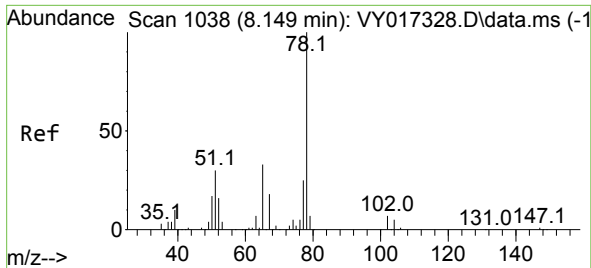
Ion Ratio Lower Upper

56 100

69 171.2 27.0 40.6#

84 176.1 71.8 107.6#

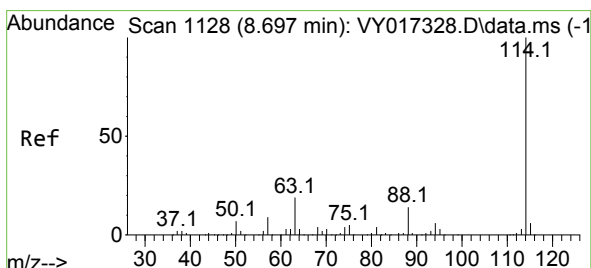
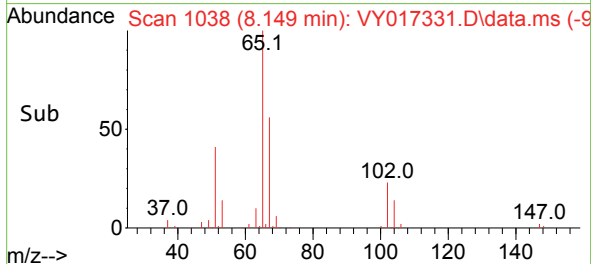
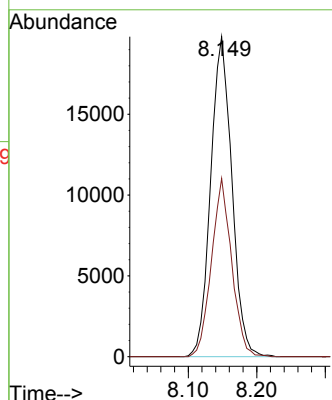
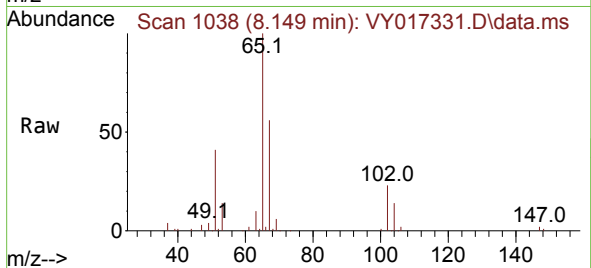




#33
 1,2-Dichloroethane-d4
 Concen: 49.875 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.001 min
 Lab File: VY017331.D
 Acq: 09 Feb 2024 11:28

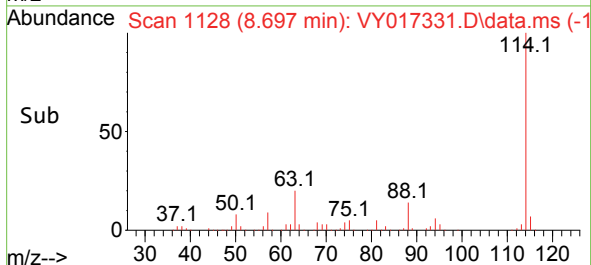
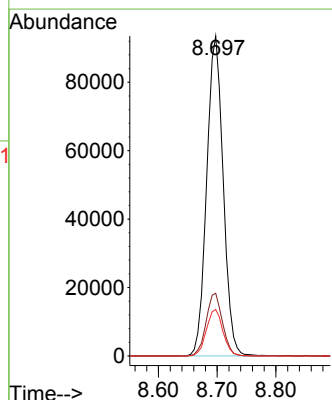
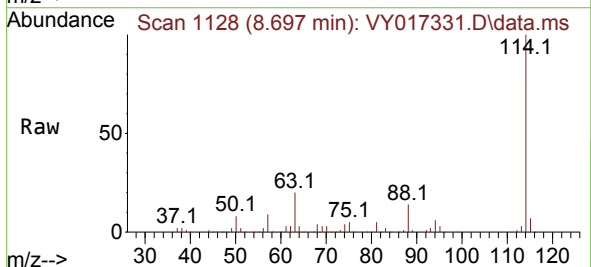
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBL01

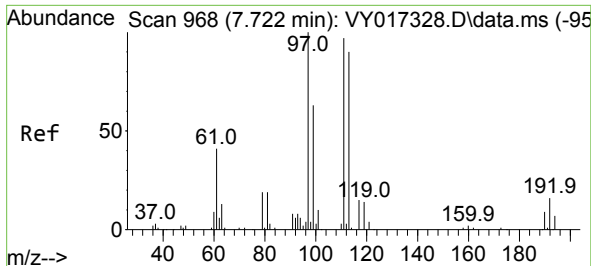
Tgt Ion: 65 Resp: 42481
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.001 min
 Lab File: VY017331.D
 Acq: 09 Feb 2024 11:28

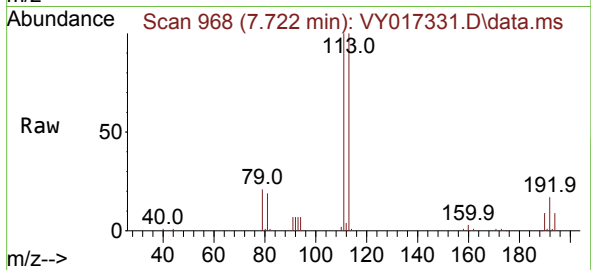
Tgt Ion: 114 Resp: 182439
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.4
 88 14.5 0.0 29.0



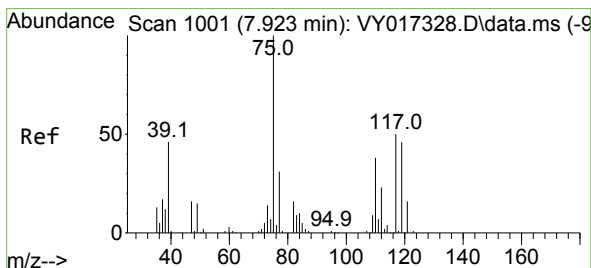
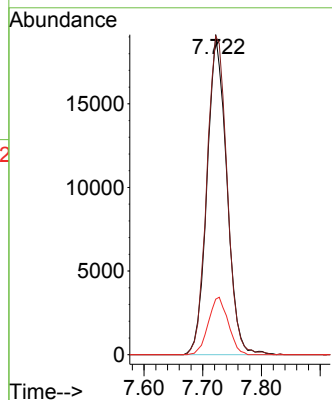
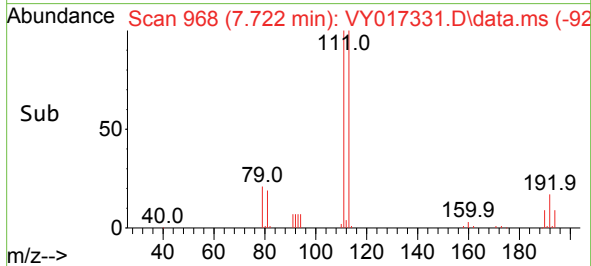


#35
Dibromofluoromethane
Concen: 45.180 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

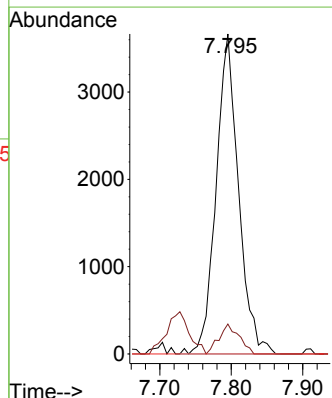
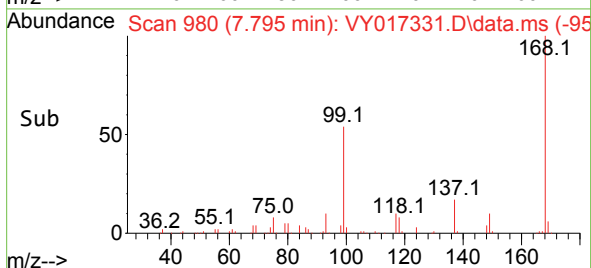
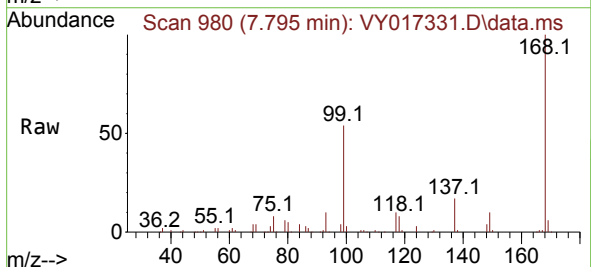


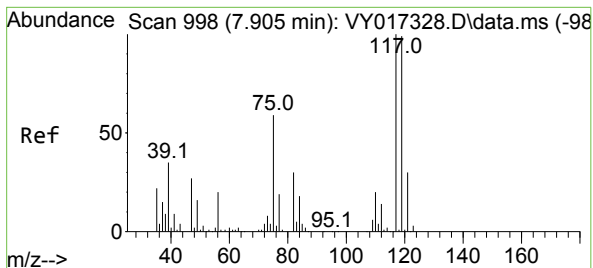
Tgt Ion:113 Resp: 44505
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.6
192 18.1 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.695 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Tgt Ion: 75 Resp: 7977
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.886 ug/l

RT: 7.801 min Scan# 9

Delta R.T. -0.109 min

Lab File: VY017331.D

Acq: 09 Feb 2024 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0209SBL01

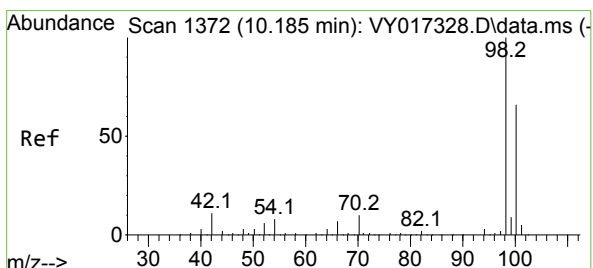
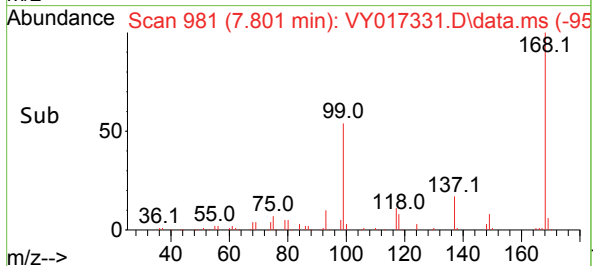
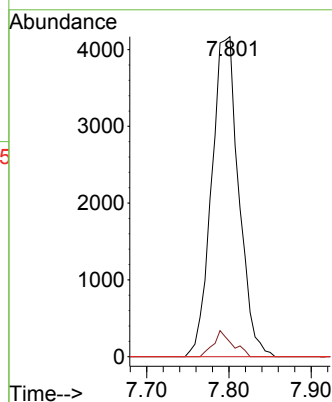
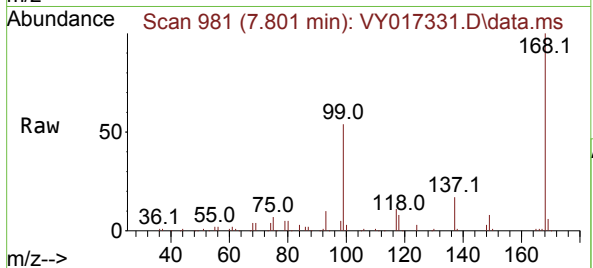
Tgt Ion:117 Resp: 9575

Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.889 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017331.D

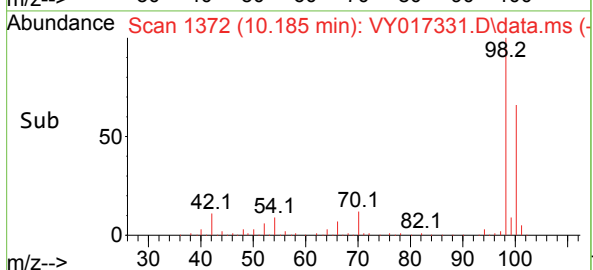
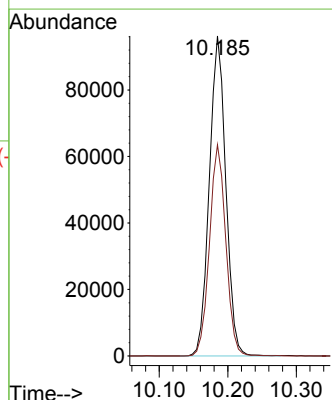
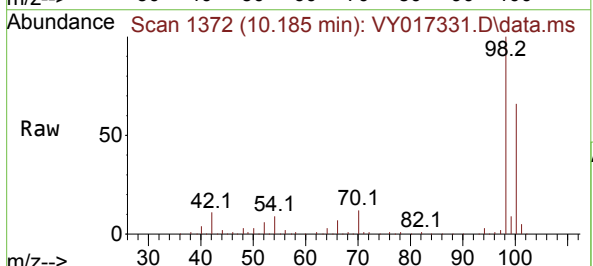
Acq: 09 Feb 2024 11:28

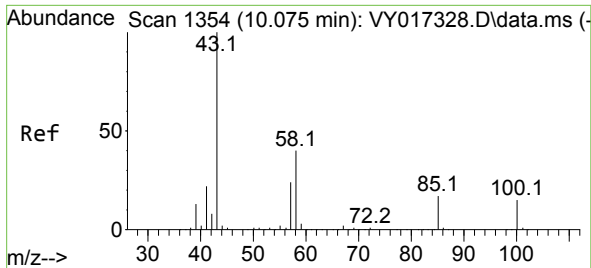
Tgt Ion: 98 Resp: 160993

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

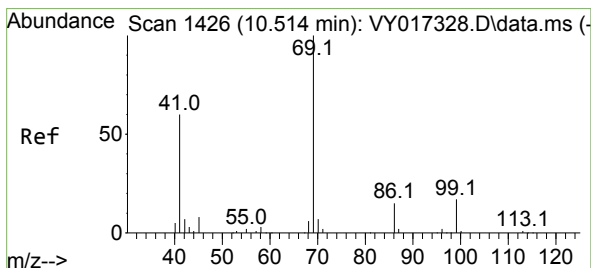
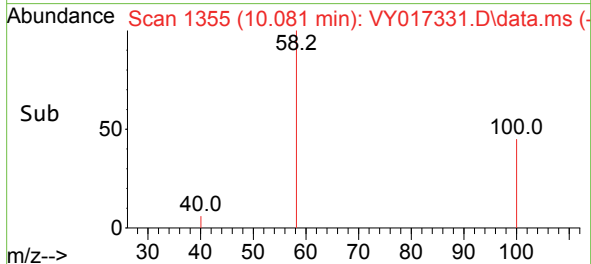
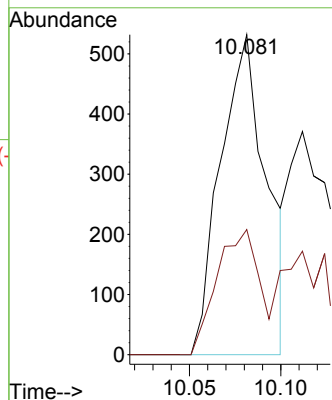
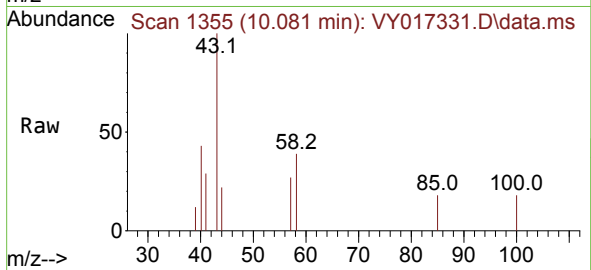




#51
4-Methyl-2-Pentanone
Concen: 1.237 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

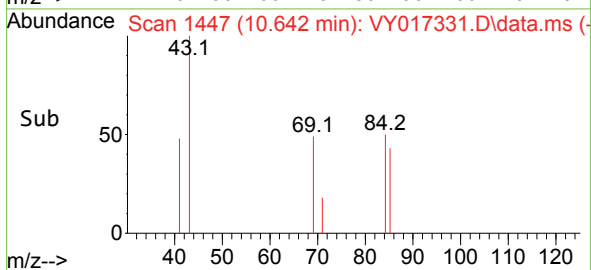
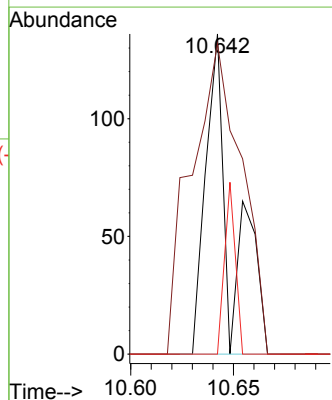
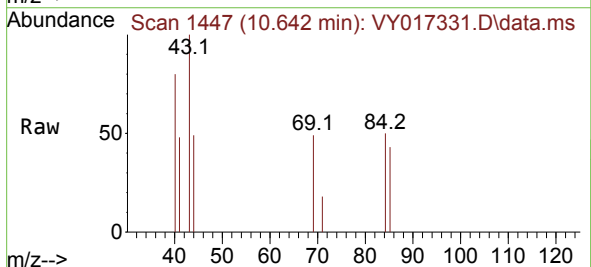
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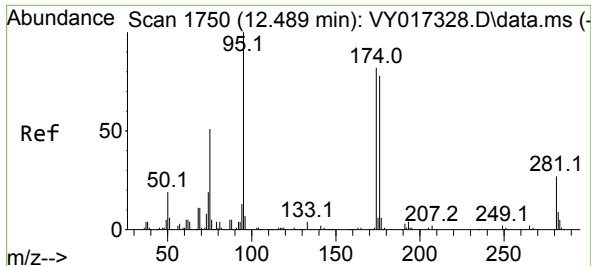
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 36.3 32.2 48.2



#56
Ethyl methacrylate
Concen: 3.100 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.122 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 186.7 49.2 73.8#
39 22.5 26.8 40.2#

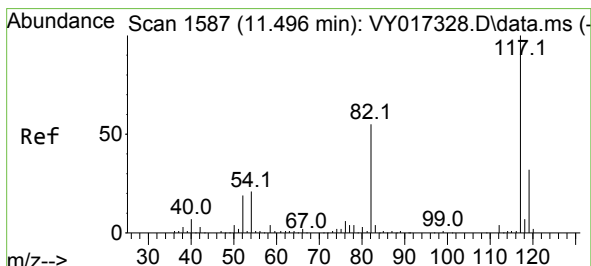
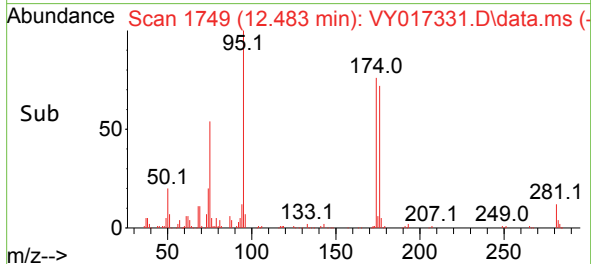
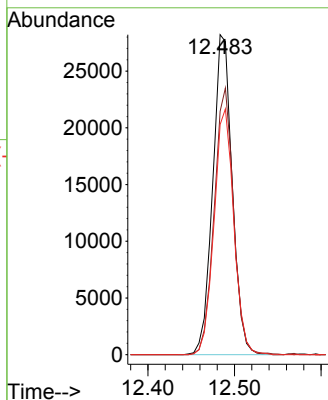
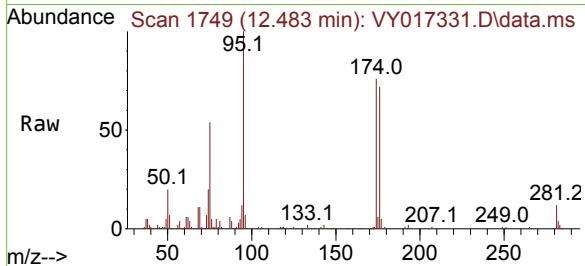




#62
4-Bromofluorobenzene
Concen: 37.537 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

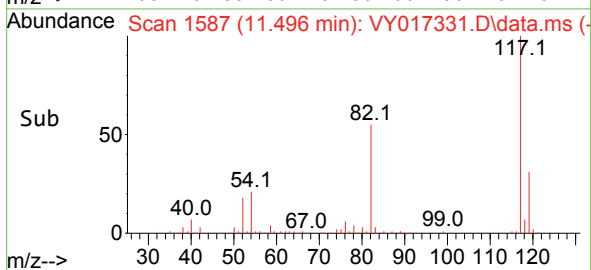
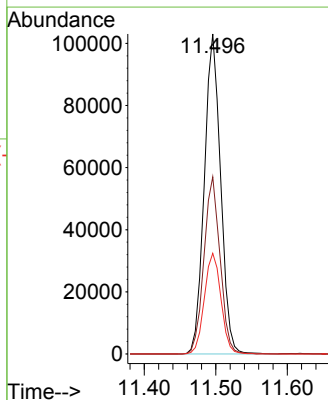
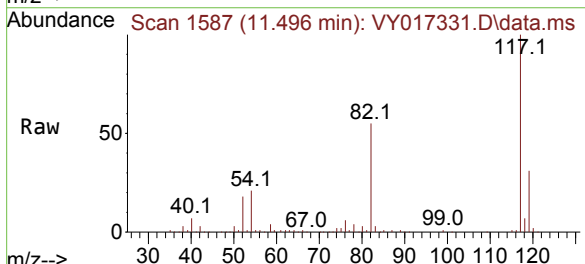
Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

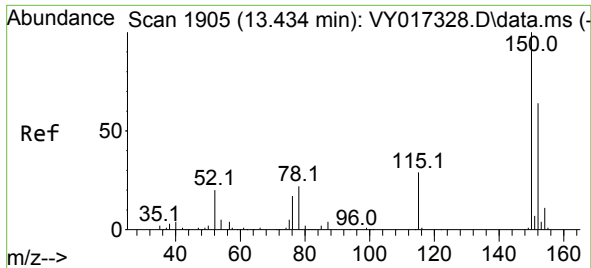
Tgt Ion: 95 Resp: 44101
Ion Ratio Lower Upper
95 100
174 83.0 0.0 160.0
176 77.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Tgt Ion: 117 Resp: 163183
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 31.5 26.5 39.7

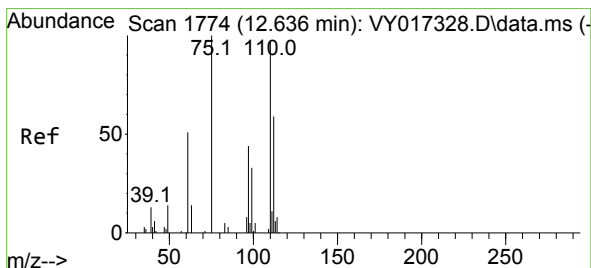
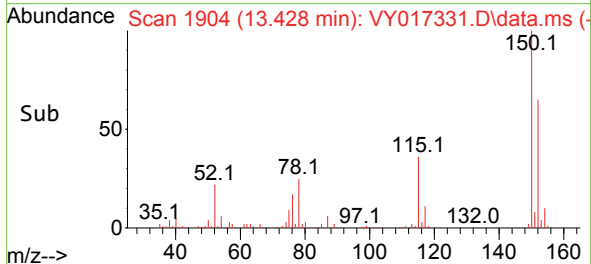
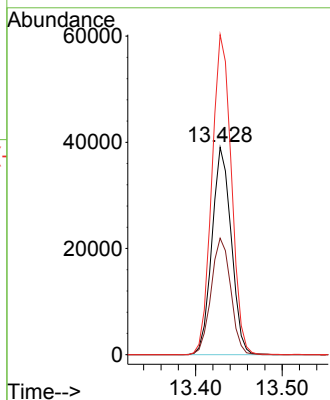
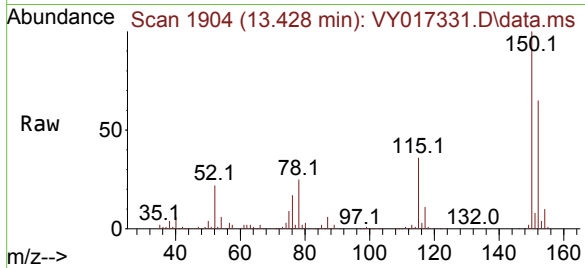




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY017331.D
 Acq: 09 Feb 2024 11:28

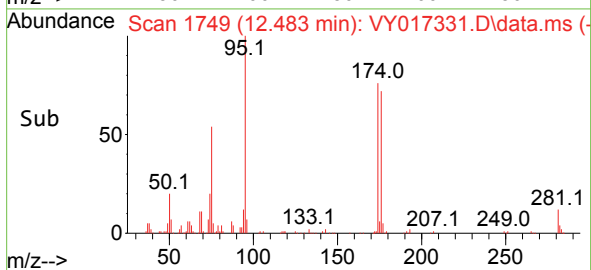
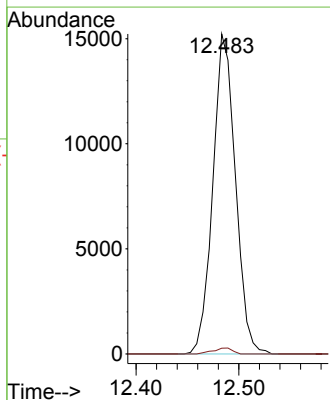
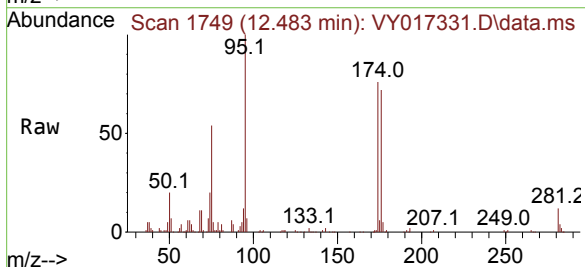
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBL01

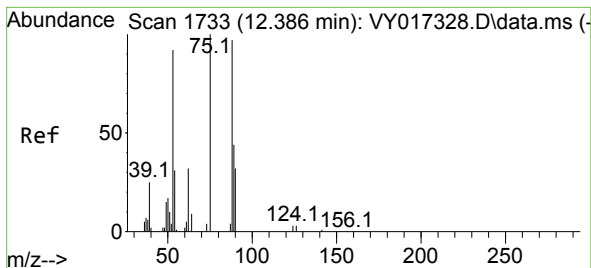
Tgt Ion:152 Resp: 60464
 Ion Ratio Lower Upper
 152 100
 115 57.1 30.0 90.0
 150 156.1 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 41.631 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.158 min
 Lab File: VY017331.D
 Acq: 09 Feb 2024 11:28

Tgt Ion: 75 Resp: 23233
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

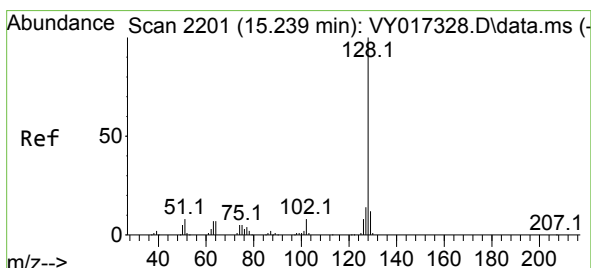
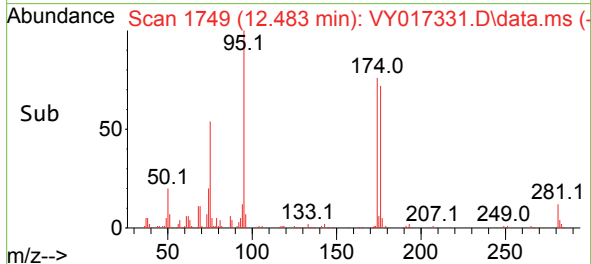
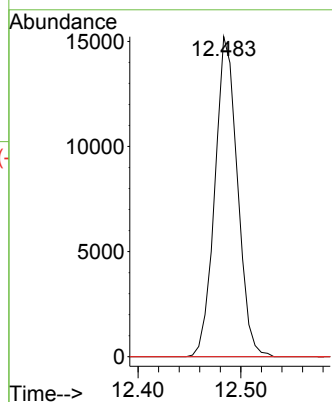
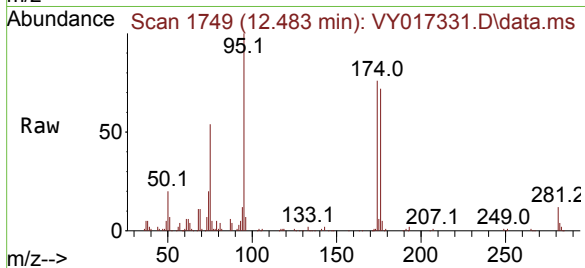




#81
trans-1,4-Dichloro-2-butene
Concen: 86.503 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

Tgt Ion: 75 Resp: 23233
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.033 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY017331.D
Acq: 09 Feb 2024 11:28

Tgt Ion:128 Resp: 1046
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 7.3 8.6 12.8#

