

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017338.D
 Acq On : 09 Feb 2024 14:43
 Operator : SY/MD
 Sample : P1414-05
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8(10-11)

Quant Time: Feb 09 22:03:23 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)

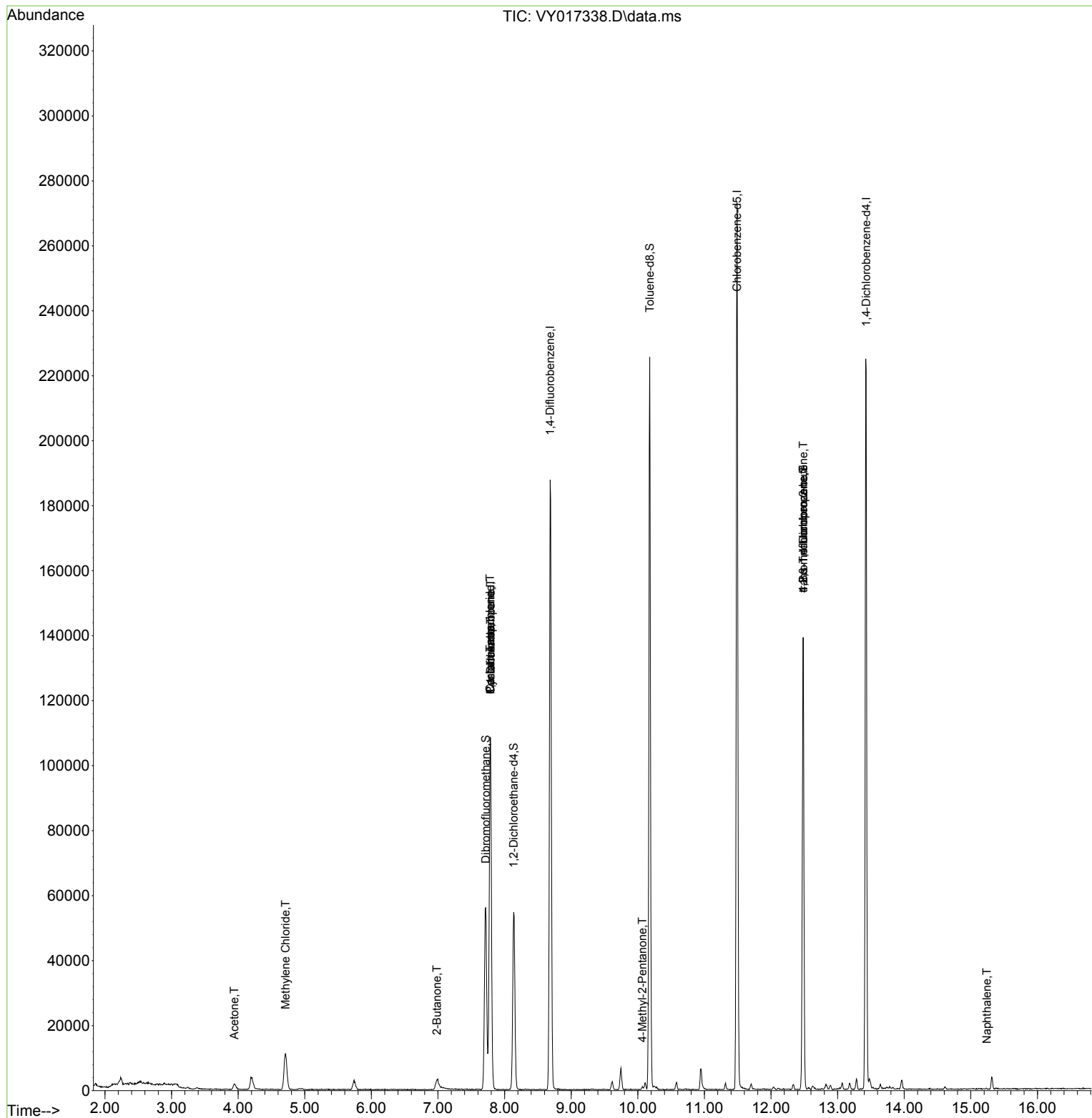
Internal Standards						
1) Pentafluorobenzene	7.789	168	84049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	163409	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	147111	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	57933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	41458	55.215	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.440%	
35) Dibromofluoromethane	7.716	113	40754	46.190	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.380%	
50) Toluene-d8	10.179	98	142404	44.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.660%	
62) 4-Bromofluorobenzene	12.483	95	40727	38.702	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	223	Below Cal	#	75
16) Acetone	3.942	43	3164	14.337	ug/l	93
20) Methylene Chloride	4.710	84	8407	6.235	ug/l #	84
25) 2-Butanone	6.984	43	876	2.986	ug/l	91
31) Cyclohexane	7.789	56	2006	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7328	4.815	ug/l #	48
38) Carbon Tetrachloride	7.783	117	8391	5.758	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	706	1.054	ug/l #	85
76) 1,2,3-Trichloropropane	12.483	75	21653	40.495	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21653	84.142	ug/l #	12
95) Naphthalene	15.239	128	116	3.493	ug/l #	69

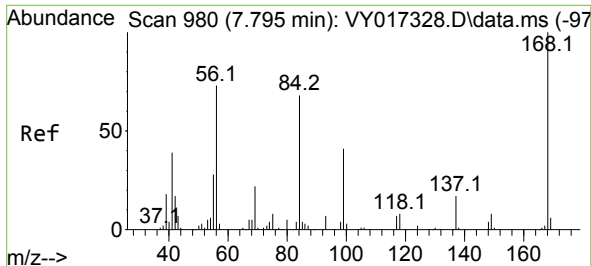
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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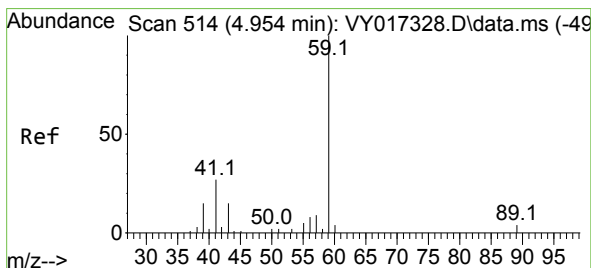
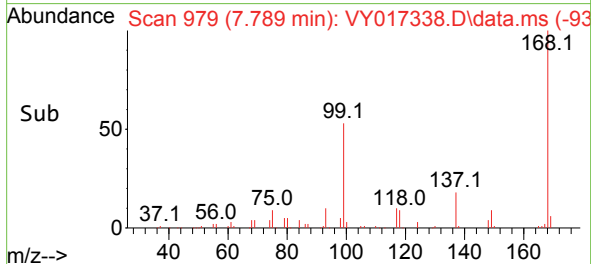
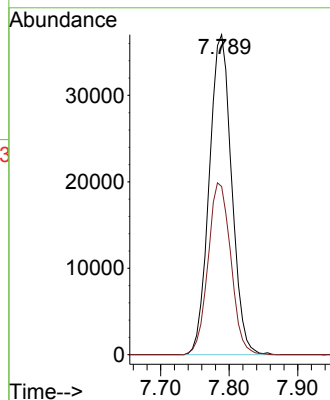
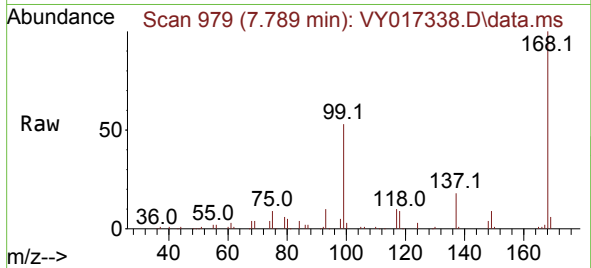




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

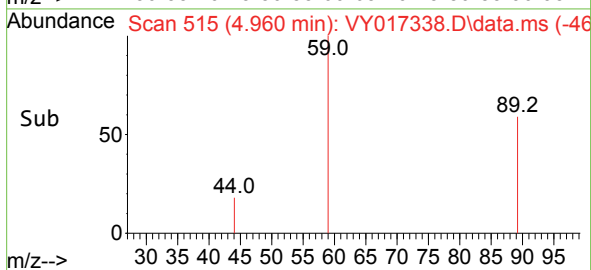
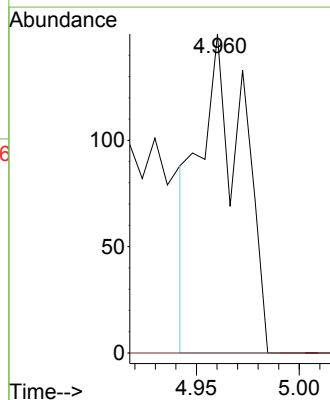
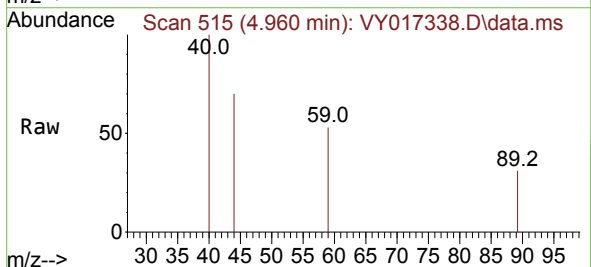
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

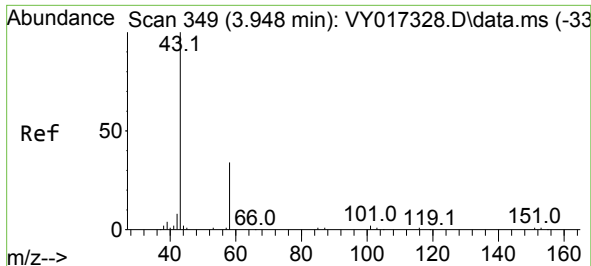
Tgt Ion:168 Resp: 84049
Ion Ratio Lower Upper
168 100
99 52.5 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 14.337 ug/l

RT: 3.942 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY017338.D

Acq: 09 Feb 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

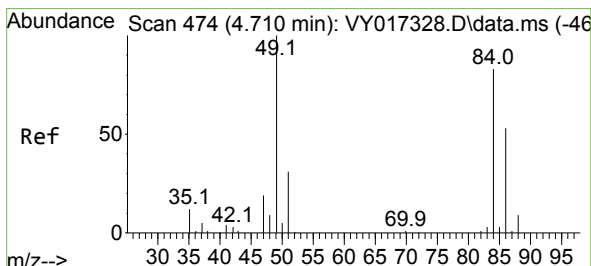
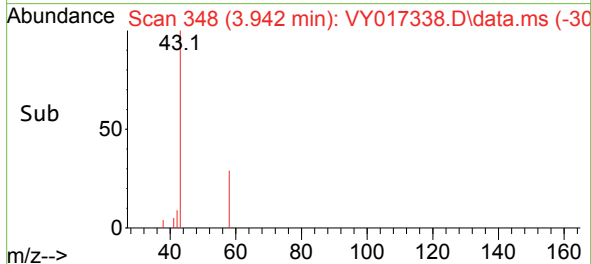
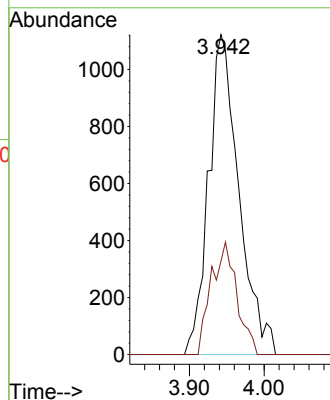
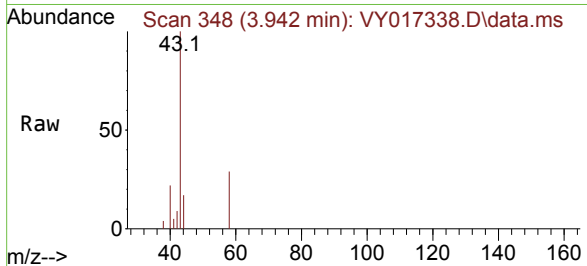
SB-8(10-11)

Tgt Ion: 43 Resp: 3164

Ion Ratio Lower Upper

43 100

58 29.2 26.6 39.8



#20

Methylene Chloride

Concen: 6.235 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.018 min

Lab File: VY017338.D

Acq: 09 Feb 2024 14:43

Tgt Ion: 84 Resp: 8407

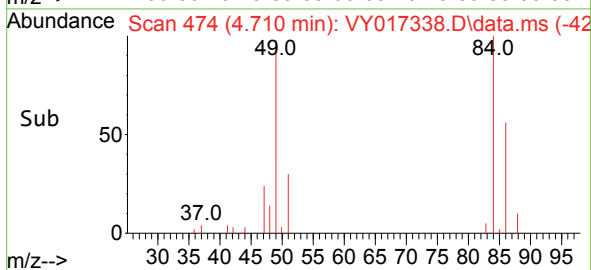
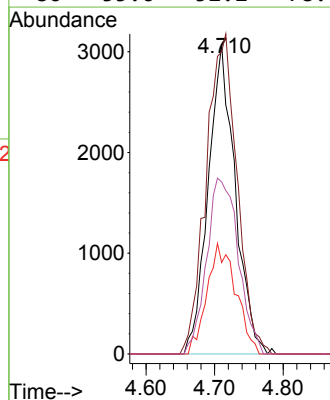
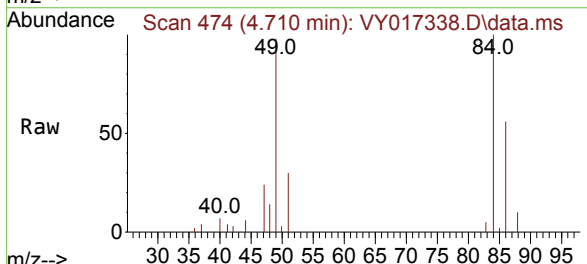
Ion Ratio Lower Upper

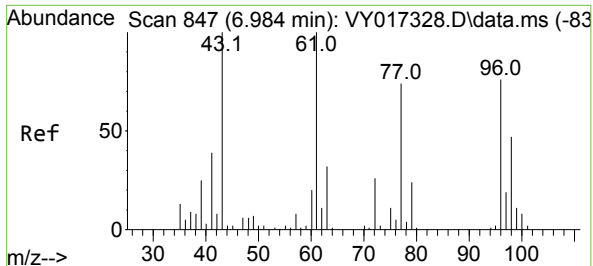
84 100

49 97.5 95.2 142.8

51 29.6 29.9 44.9#

86 55.6 52.2 78.4

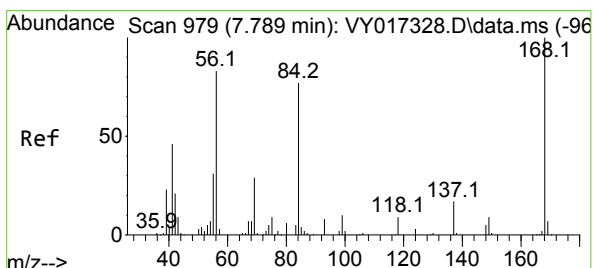
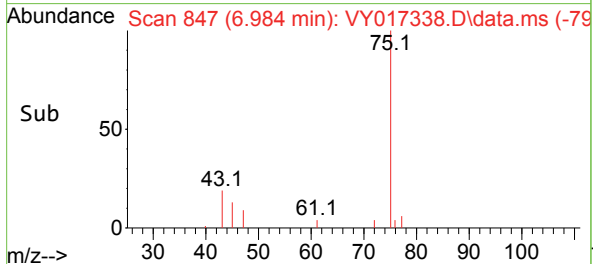
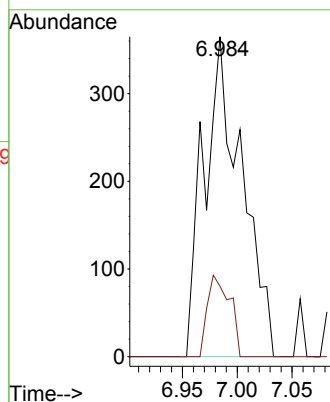
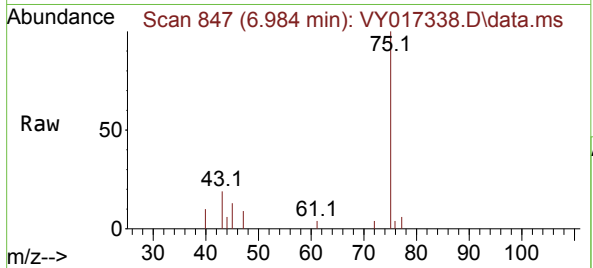




#25
2-Butanone
Concen: 2.986 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

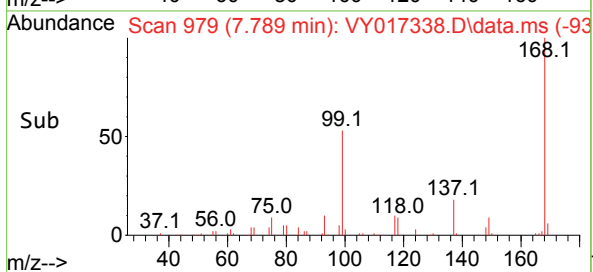
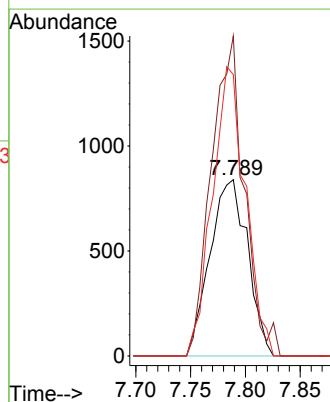
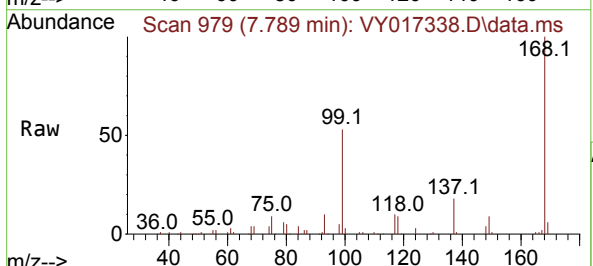
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

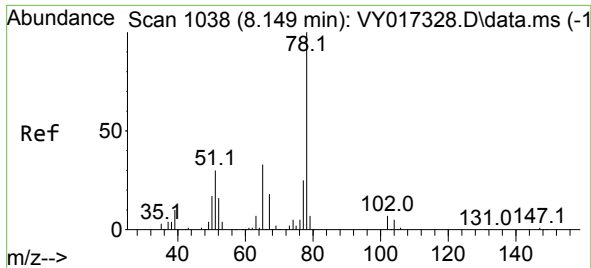
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
72 21.9 21.4 32.2



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Tgt Ion: 56 Resp: 2006
Ion Ratio Lower Upper
56 100
69 181.4 27.0 40.6#
84 159.5 71.8 107.6#

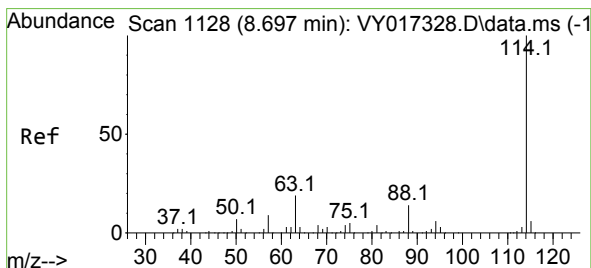
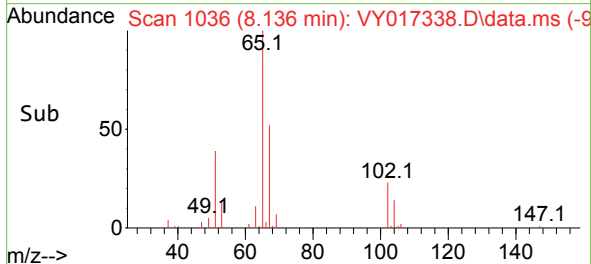
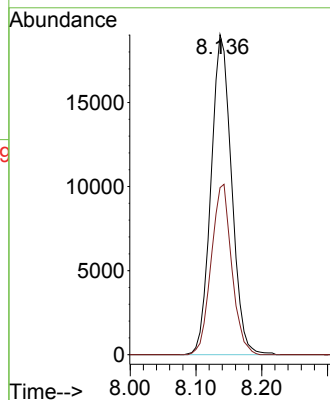
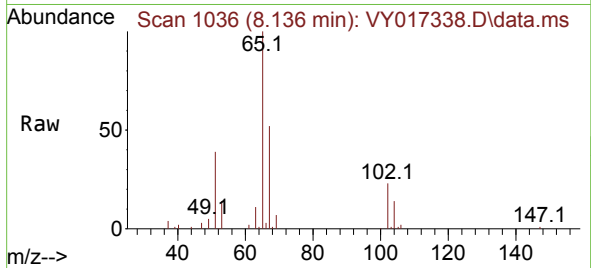




#33
 1,2-Dichloroethane-d4
 Concen: 55.215 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.012 min
 Lab File: VY017338.D
 Acq: 09 Feb 2024 14:43

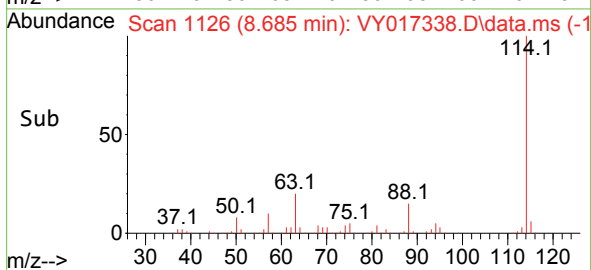
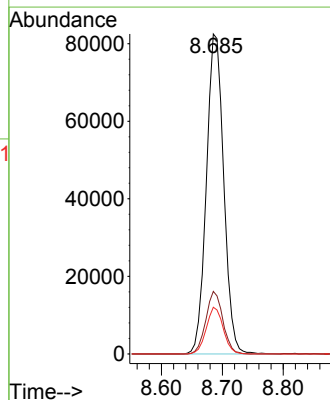
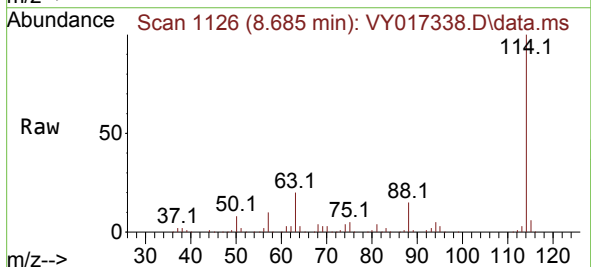
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8(10-11)

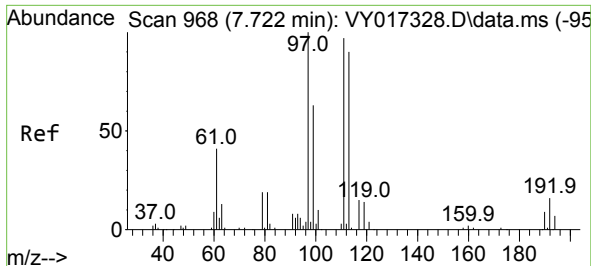
Tgt Ion: 65 Resp: 41458
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.012 min
 Lab File: VY017338.D
 Acq: 09 Feb 2024 14:43

Tgt Ion: 114 Resp: 163409
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.4
 88 14.6 0.0 29.0

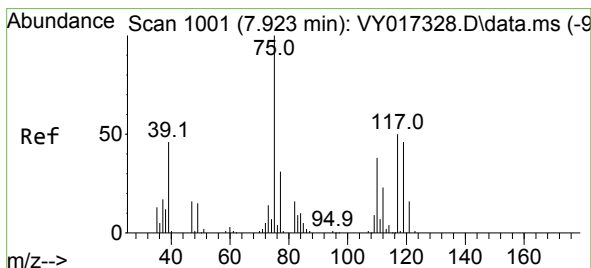
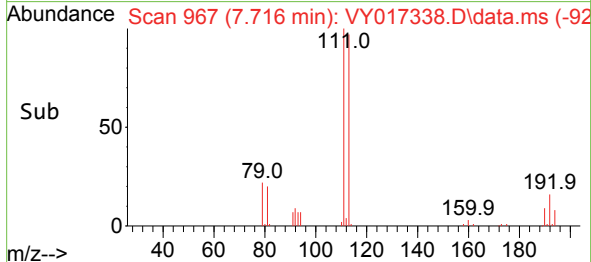
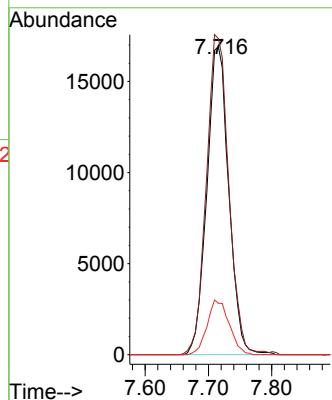
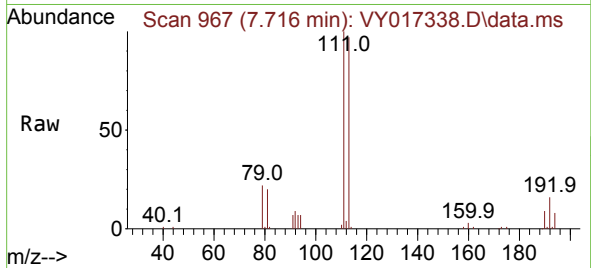




#35
Dibromofluoromethane
Concen: 46.190 ug/l
RT: 7.716 min Scan# 909
Delta R.T. -0.012 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

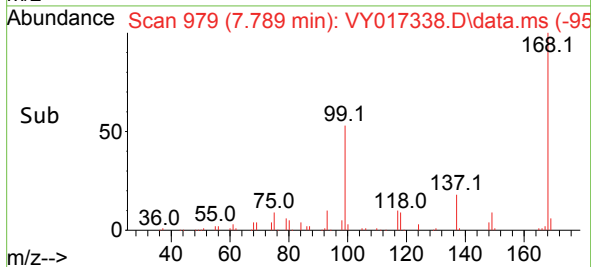
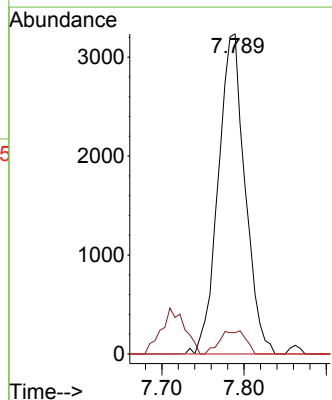
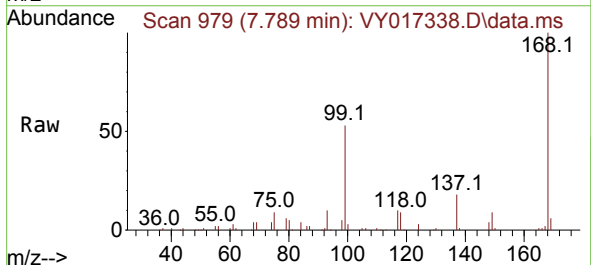
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

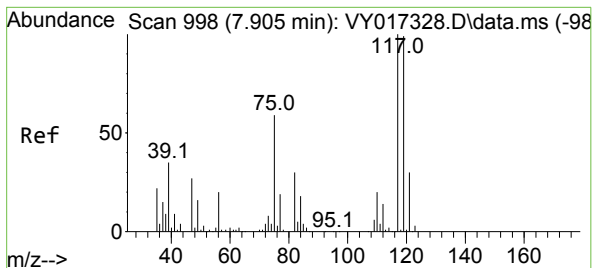
Tgt Ion:113 Resp: 40754
Ion Ratio Lower Upper
113 100
111 106.1 83.8 125.6
192 17.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Tgt Ion: 75 Resp: 7328
Ion Ratio Lower Upper
75 100
110 7.0 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.758 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY017338.D

Acq: 09 Feb 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

SB-8(10-11)

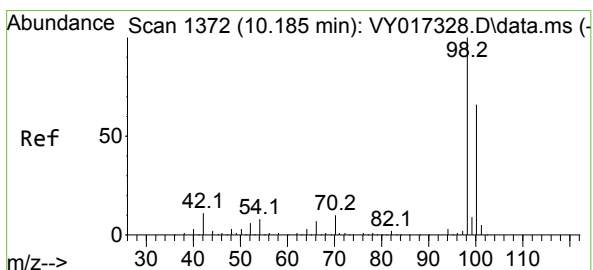
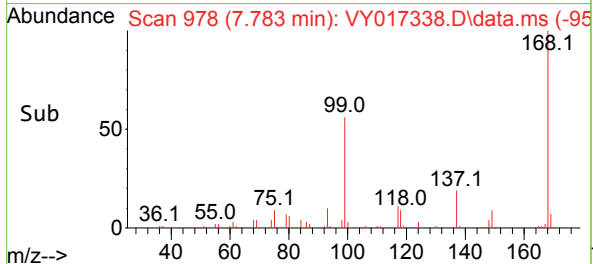
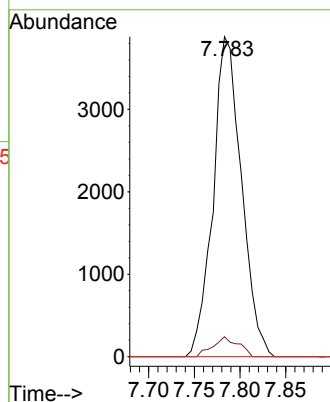
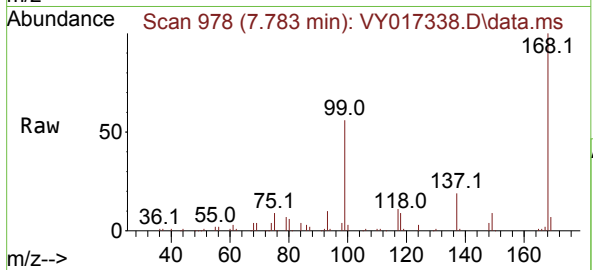
Tgt Ion:117 Resp: 8391

Ion Ratio Lower Upper

117 100

119 6.3 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.330 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY017338.D

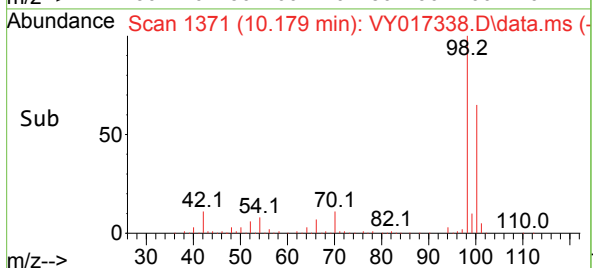
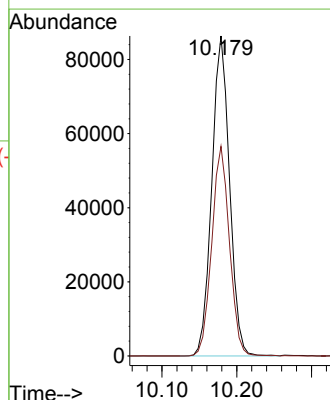
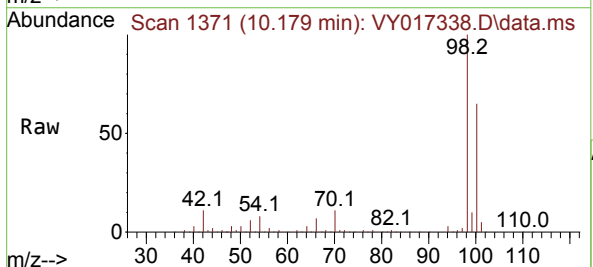
Acq: 09 Feb 2024 14:43

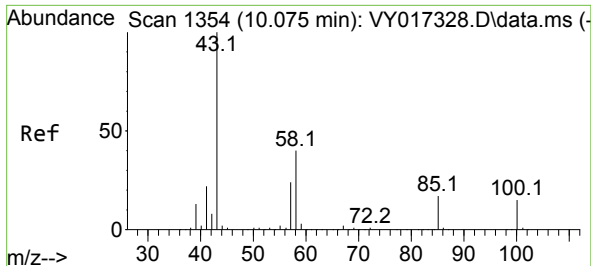
Tgt Ion: 98 Resp: 142404

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

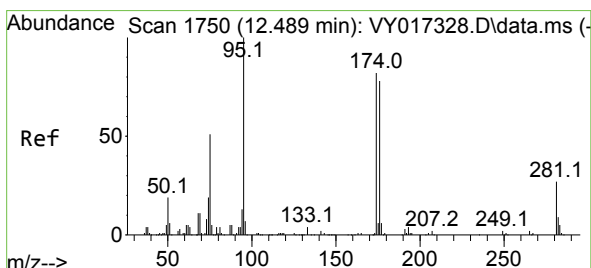
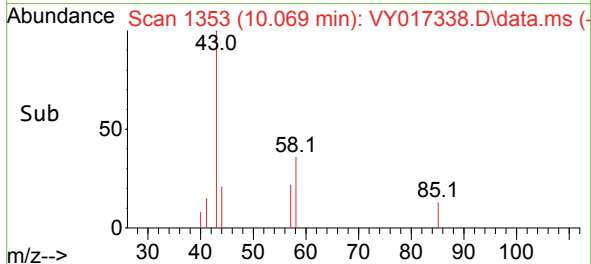
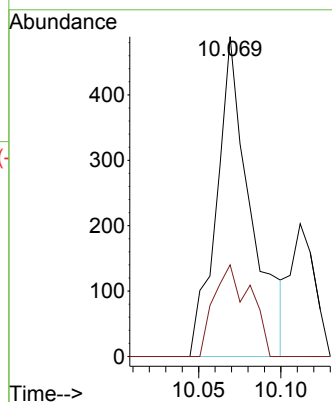
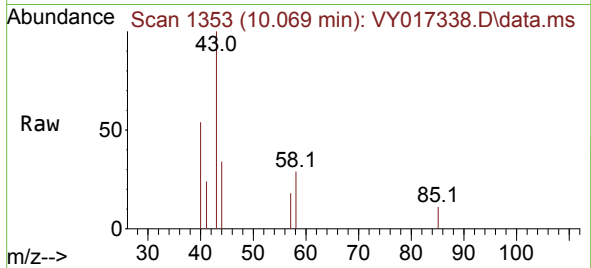




#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

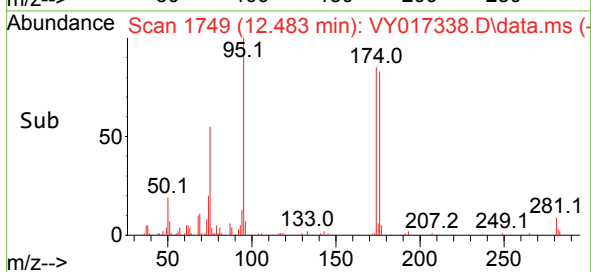
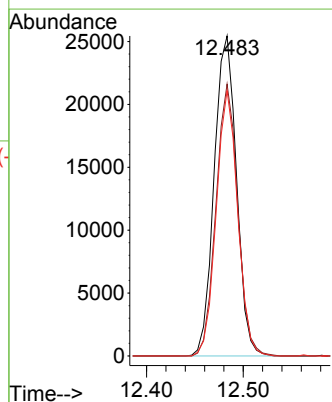
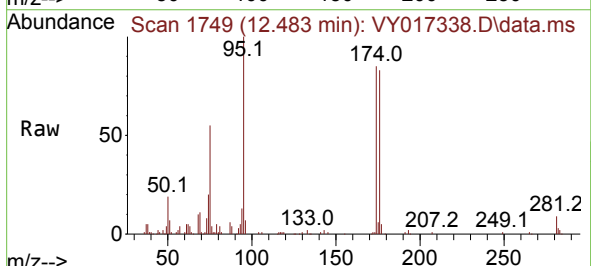
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

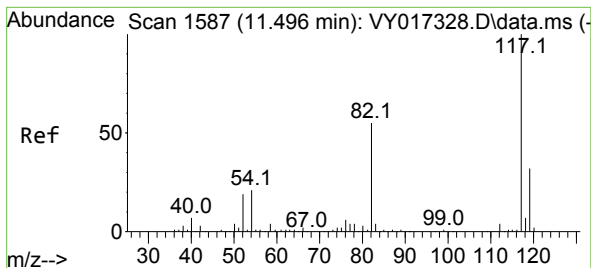
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 30.7 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 38.702 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Tgt Ion: 95 Resp: 40727
Ion Ratio Lower Upper
95 100
174 82.9 0.0 160.0
176 79.4 0.0 151.8

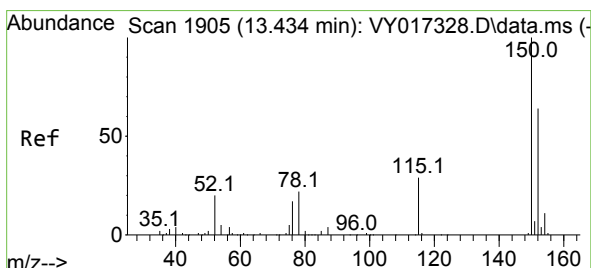
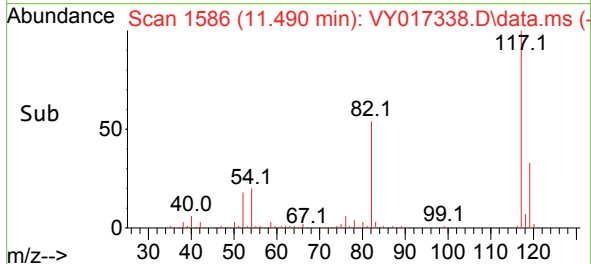
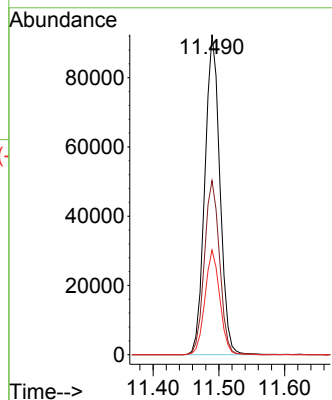
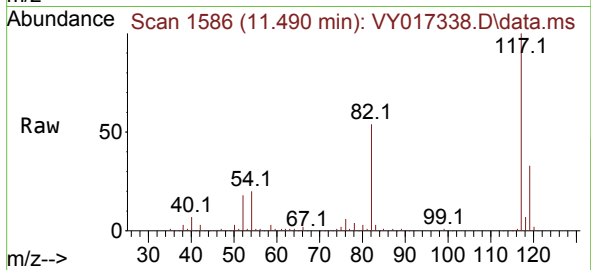




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

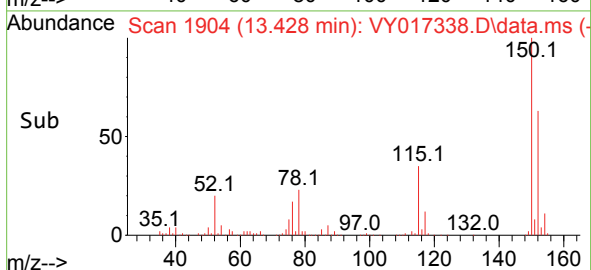
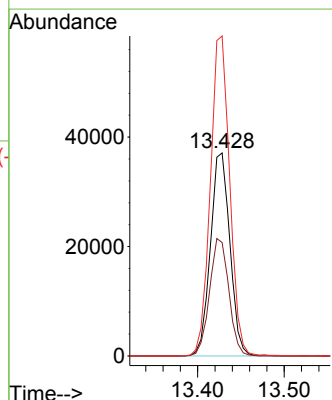
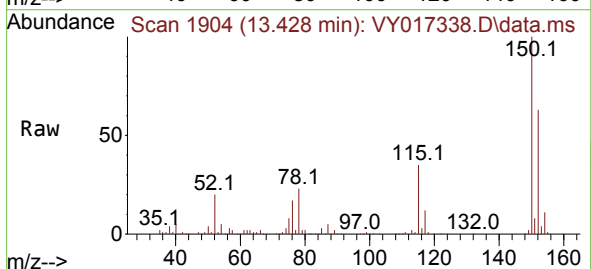
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

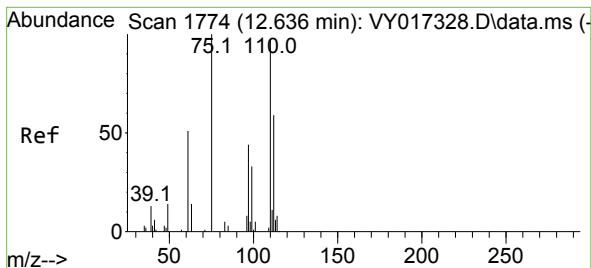
Tgt Ion:117 Resp: 147111
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 32.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Tgt Ion:152 Resp: 57933
Ion Ratio Lower Upper
152 100
115 57.3 30.0 90.0
150 156.9 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 40.495 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017338.D

Acq: 09 Feb 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

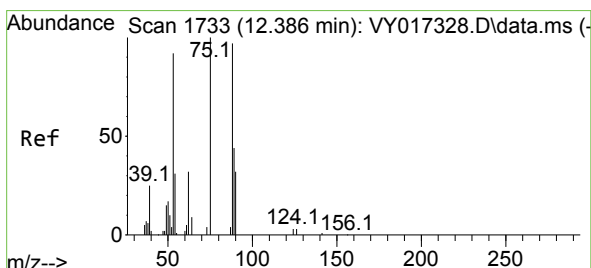
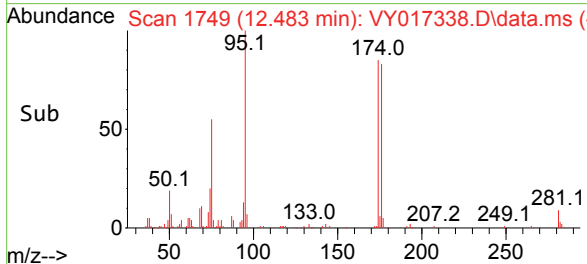
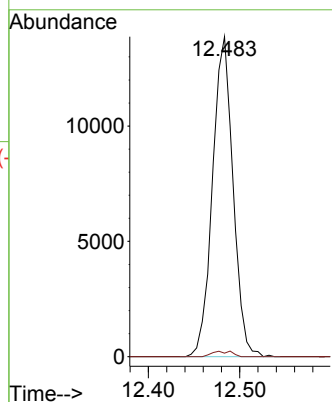
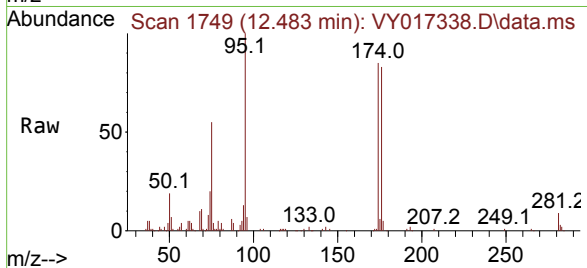
SB-8(10-11)

Tgt Ion: 75 Resp: 21653

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.142 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017338.D

Acq: 09 Feb 2024 14:43

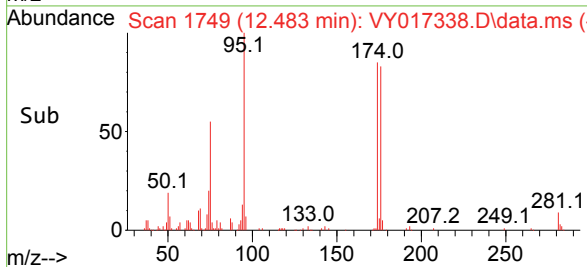
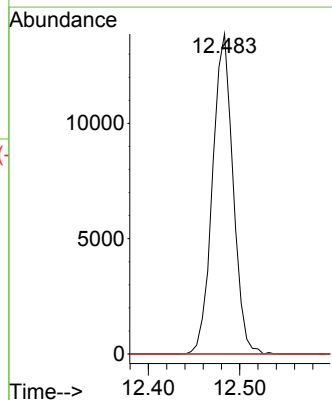
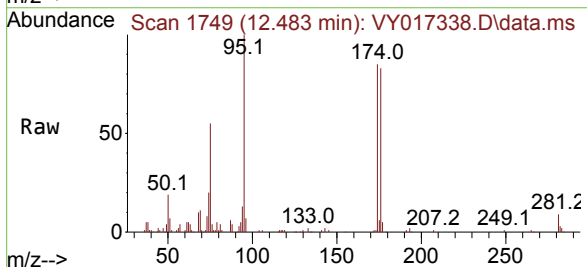
Tgt Ion: 75 Resp: 21653

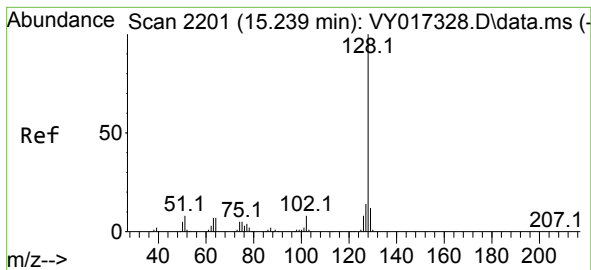
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.493 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017338.D
Acq: 09 Feb 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-8(10-11)

Tgt Ion:128 Resp: 116
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

