

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016817.D
 Acq On : 22 Dec 2023 18:44
 Operator : SY/MD
 Sample : 05877-23
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

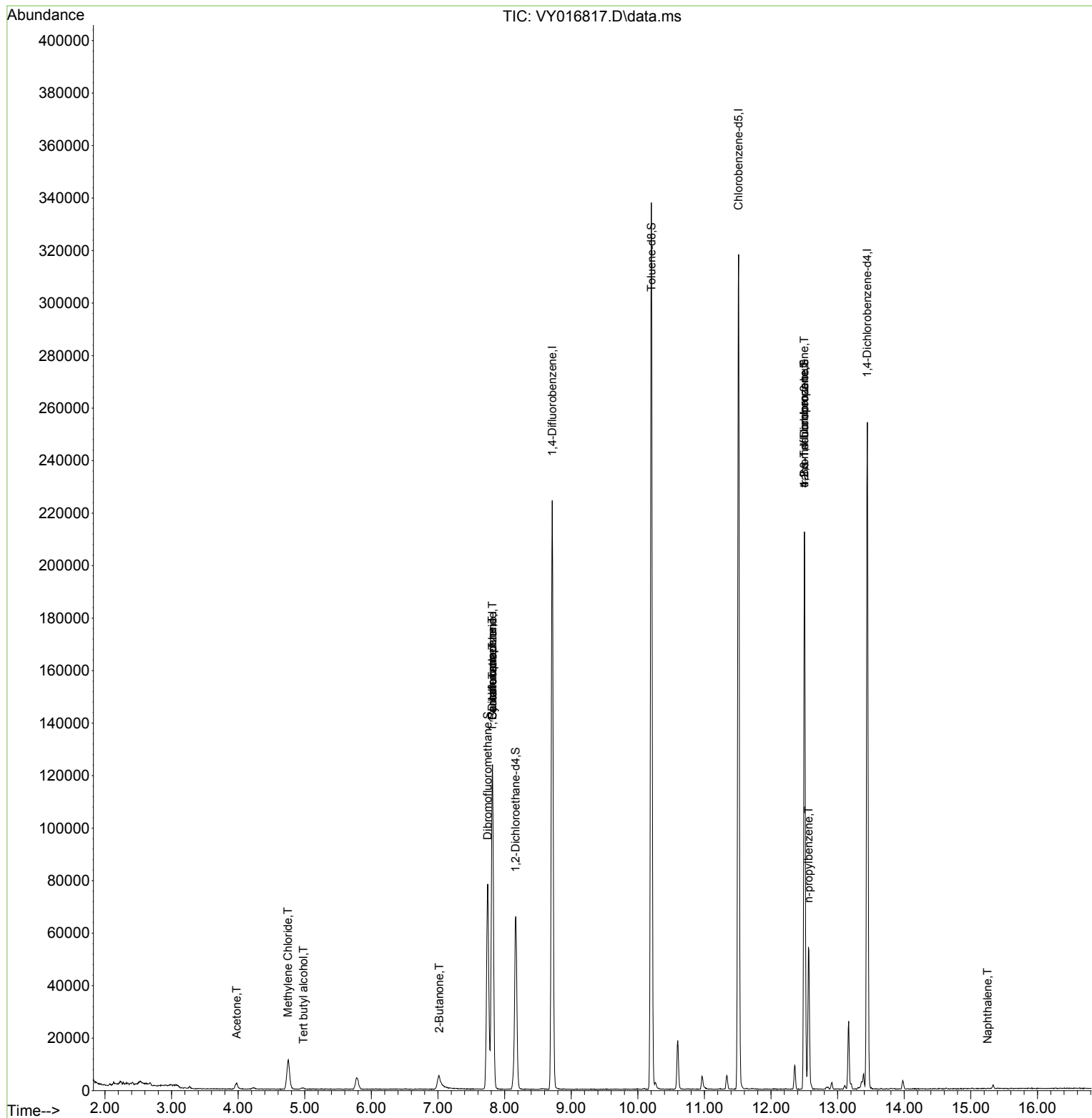
Internal Standards						
1) Pentafluorobenzene	7.819	168	91945	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	188758	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	174424	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	64362	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	50378	60.020	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.040%	
35) Dibromofluoromethane	7.746	113	55576	51.400	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.203	98	216188	55.464	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.920%	
62) 4-Bromofluorobenzene	12.501	95	61960	48.997	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	508	7.382	ug/l #	75
16) Acetone	3.978	43	4347	19.152	ug/l #	88
20) Methylene Chloride	4.747	84	8151	4.248	ug/l	95
25) 2-Butanone	7.021	43	775	2.480	ug/l #	48
31) Cyclohexane	7.819	56	2274	1.414	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	8464	4.883	ug/l #	50
38) Carbon Tetrachloride	7.819	117	9383	5.470	ug/l #	16
76) 1,2,3-Trichloropropane	12.501	75	33145	46.585	ug/l #	100
78) n-propylbenzene	12.562	91	6464	1.064	ug/l #	54
81) trans-1,4-Dichloro-2-b...	12.501	75	33145	109.403	ug/l #	12
95) Naphthalene	15.251	128	76	3.628	ug/l #	69

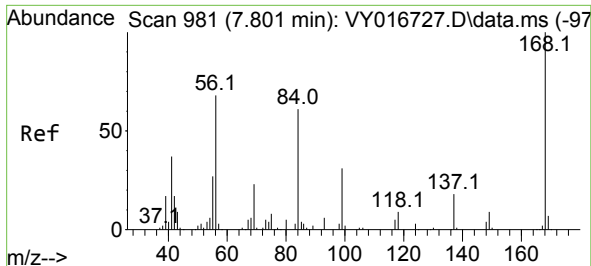
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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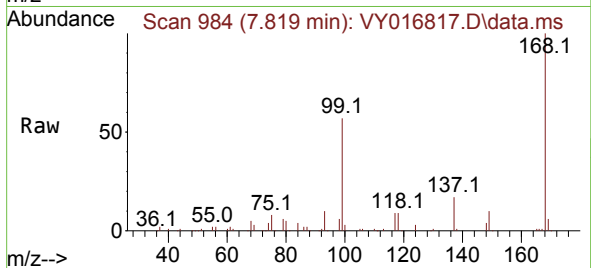
Quant Time: Dec 22 23:03:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration



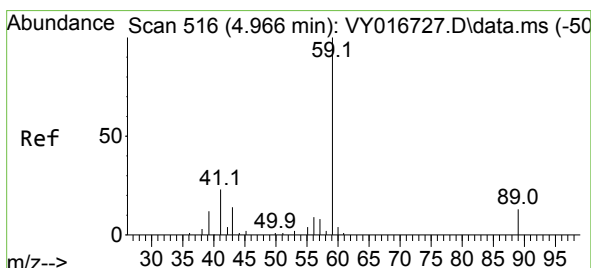
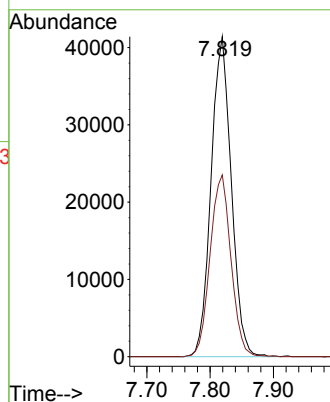
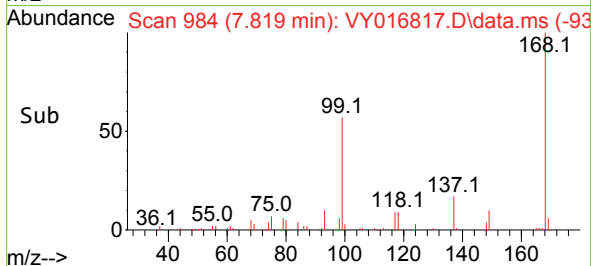


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

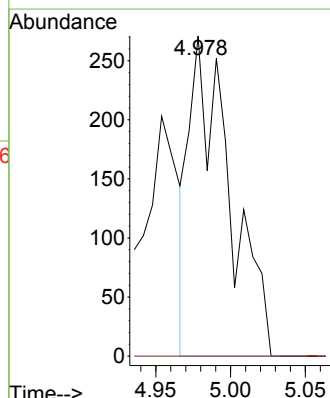
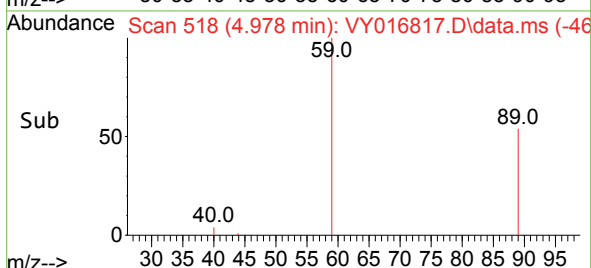
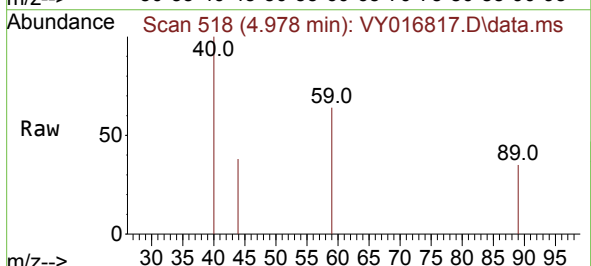


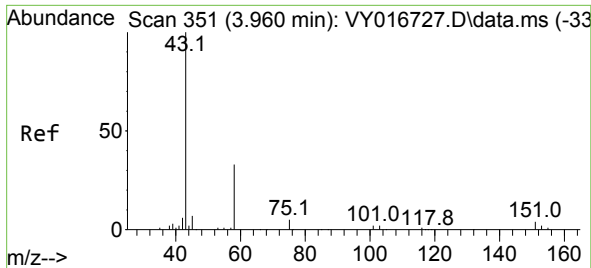
Tgt Ion:168 Resp: 91945
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 7.382 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Tgt Ion: 59 Resp: 508
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

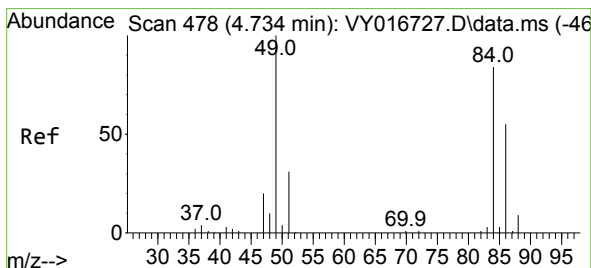
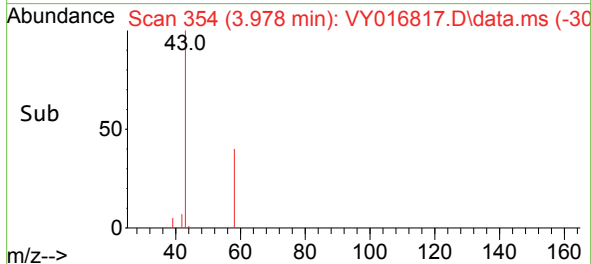
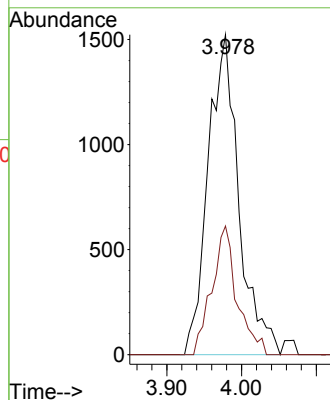
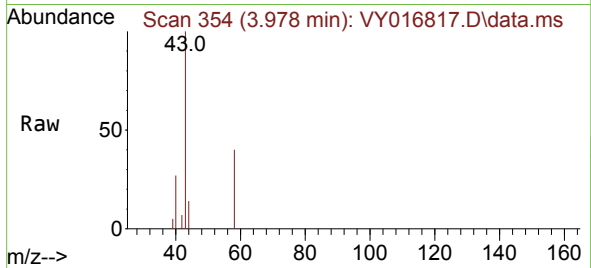




#16
Acetone
Concen: 19.152 ug/l
RT: 3.978 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

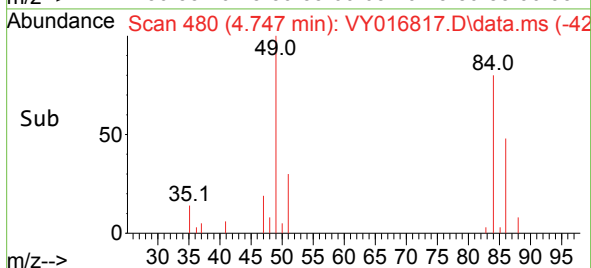
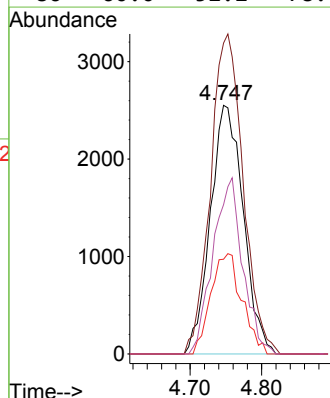
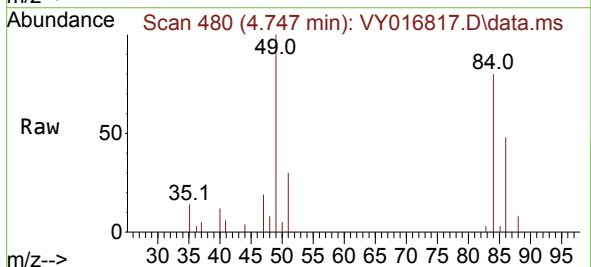
Instrument :
MSVOA_Y
ClientSampleId :

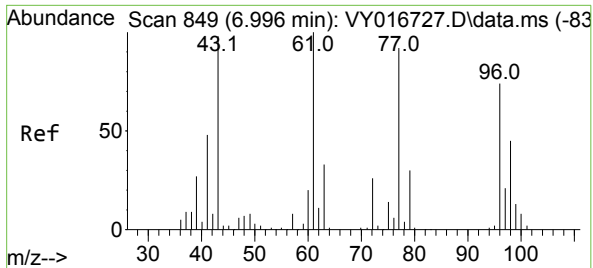
Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
58 40.2 26.6 39.8#



#20
Methylene Chloride
Concen: 4.248 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Tgt Ion: 84 Resp: 8151
Ion Ratio Lower Upper
84 100
49 125.0 95.2 142.8
51 38.0 29.9 44.9
86 60.0 52.2 78.4





#25

2-Butanone

Concen: 2.480 ug/l

RT: 7.021 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

Instrument :

MSVOA_Y

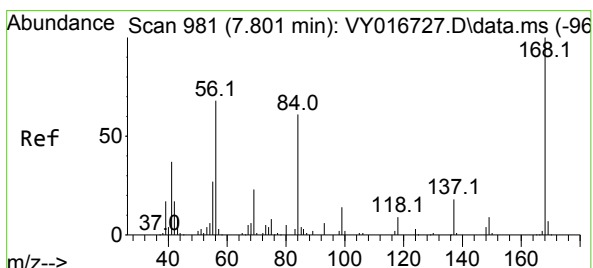
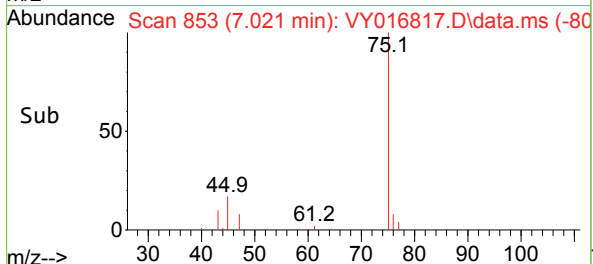
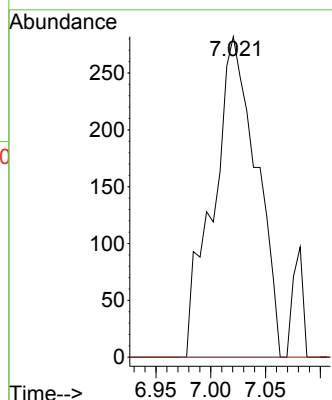
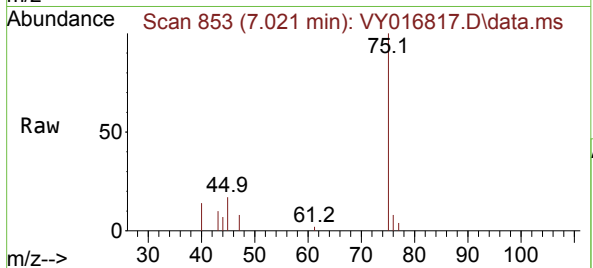
ClientSampleId :

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.414 ug/l

RT: 7.819 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

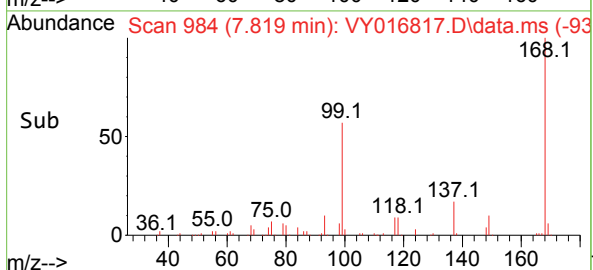
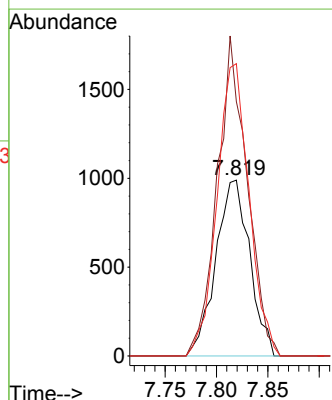
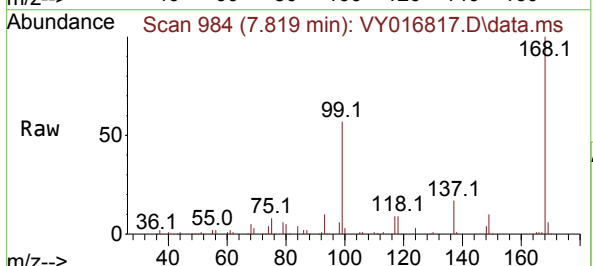
Tgt Ion: 56 Resp: 2274

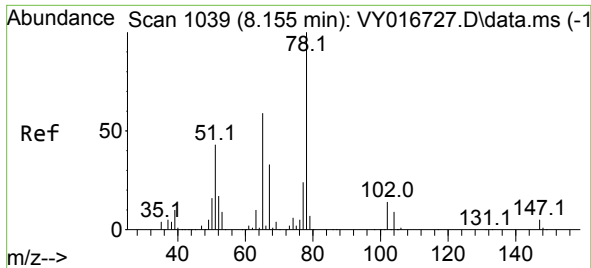
Ion Ratio Lower Upper

56 100

69 144.6 27.0 40.6#

84 166.2 71.8 107.6#

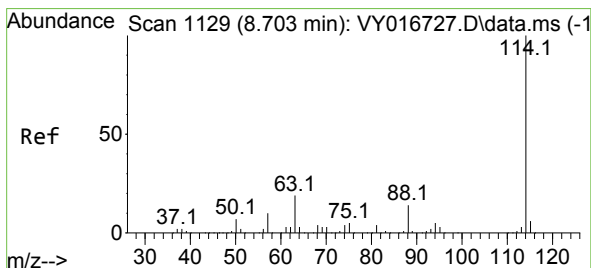
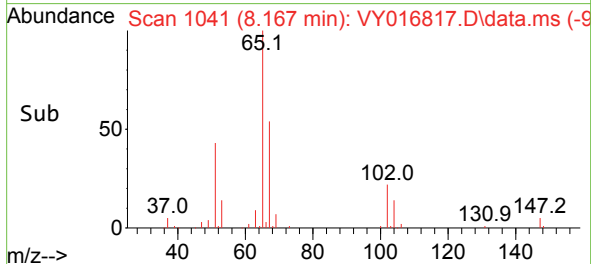
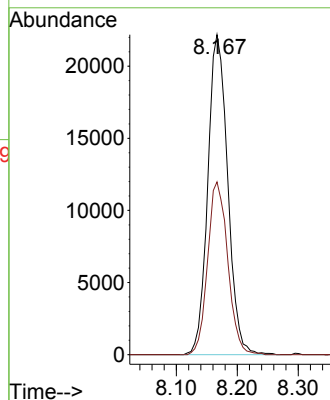
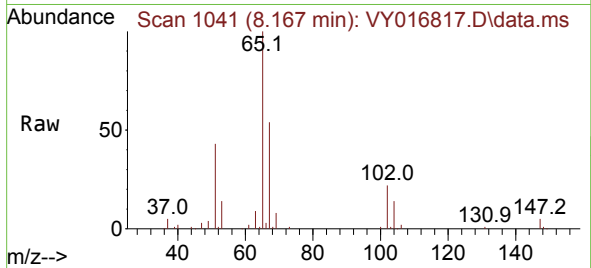




#33
 1,2-Dichloroethane-d4
 Concen: 60.020 ug/l
 RT: 8.167 min Scan# 1103
 Delta R.T. 0.012 min
 Lab File: VY016817.D
 Acq: 22 Dec 2023 18:44

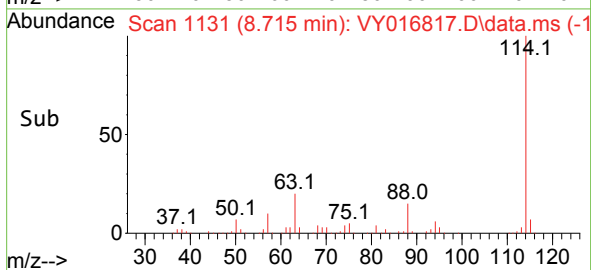
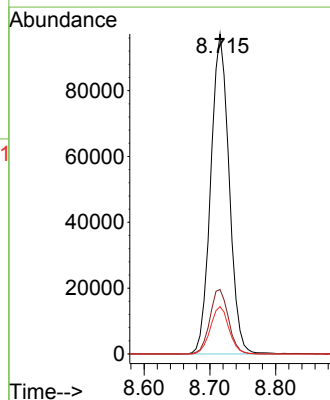
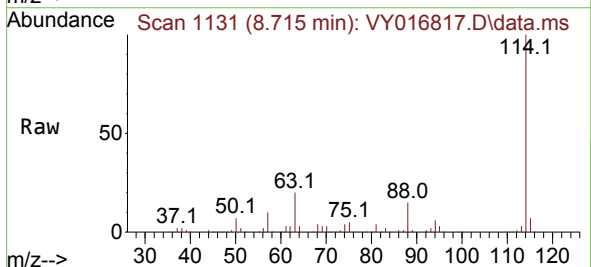
Instrument :
 MSVOA_Y
 ClientSampleId :

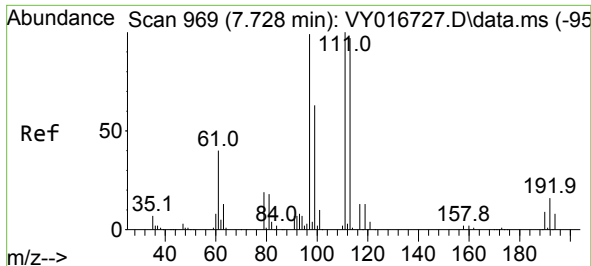
Tgt Ion: 65 Resp: 50378
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.715 min Scan# 1131
 Delta R.T. 0.012 min
 Lab File: VY016817.D
 Acq: 22 Dec 2023 18:44

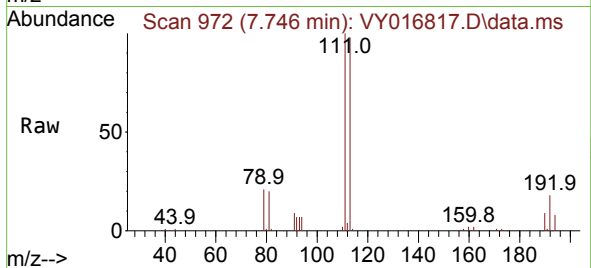
Tgt Ion:114 Resp: 188758
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.4
 88 14.8 0.0 29.0



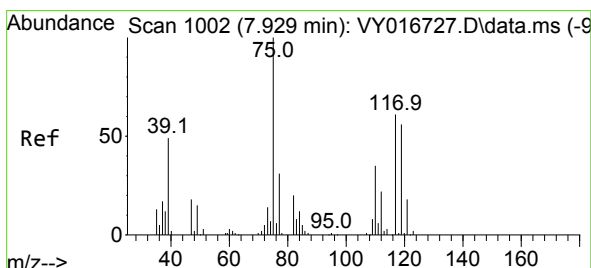
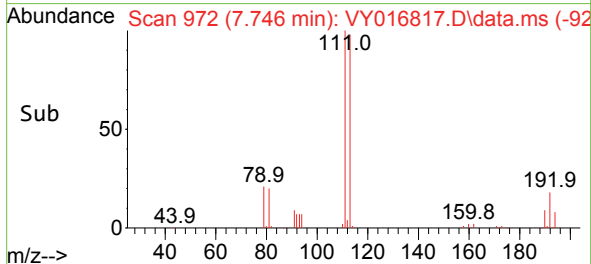
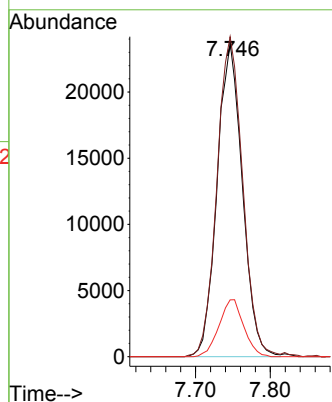


#35
Dibromofluoromethane
Concen: 51.400 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

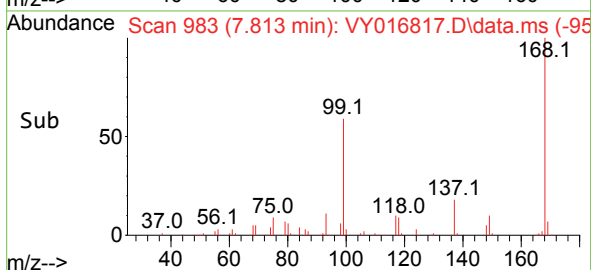
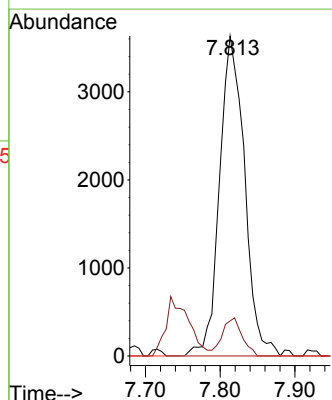
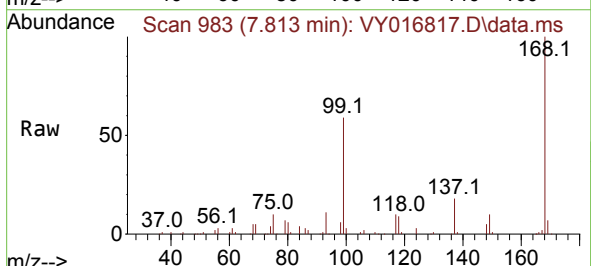


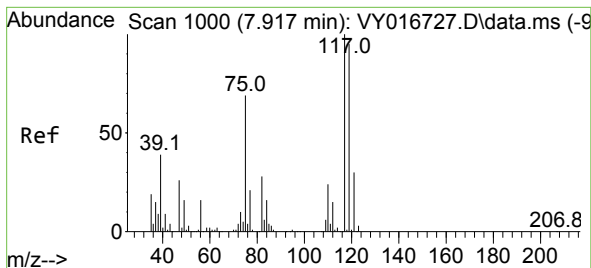
Tgt Ion:113 Resp: 55576
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.6
192 17.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Tgt Ion: 75 Resp: 8464
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.098 min

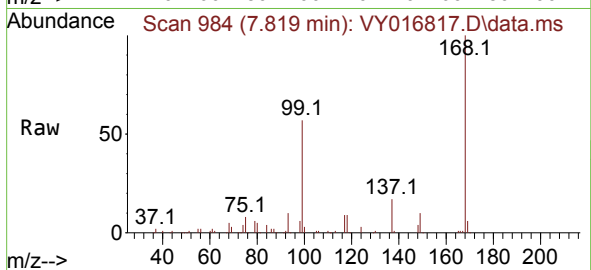
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Acq: 22 Dec 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :



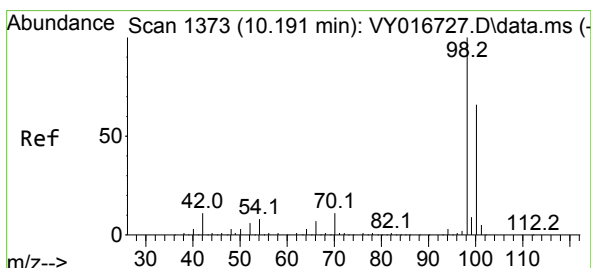
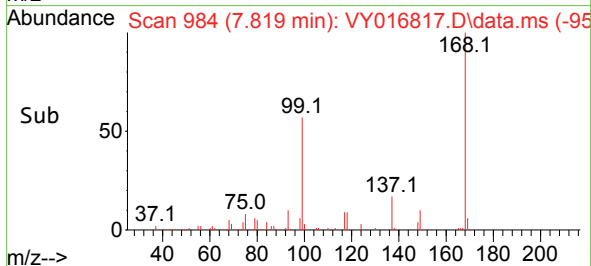
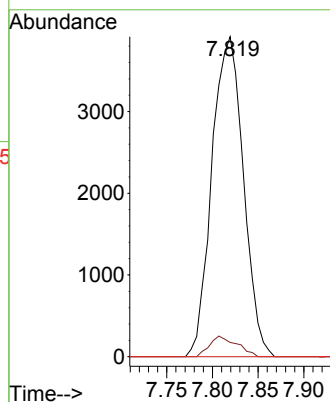
Tgt Ion:117 Resp: 9383

Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.464 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016817.D

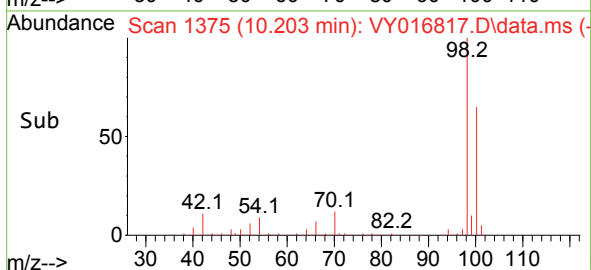
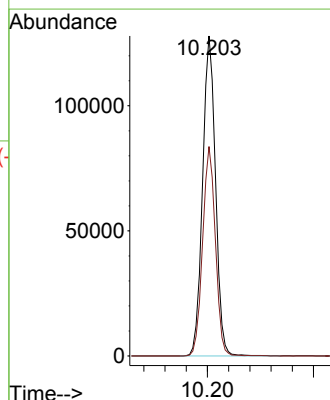
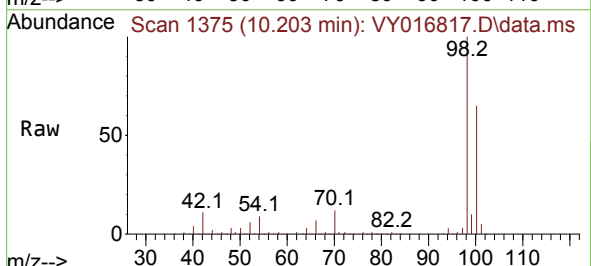
Acq: 22 Dec 2023 18:44

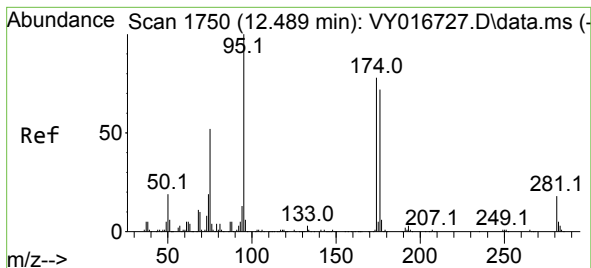
Tgt Ion: 98 Resp: 216188

Ion Ratio Lower Upper

98 100

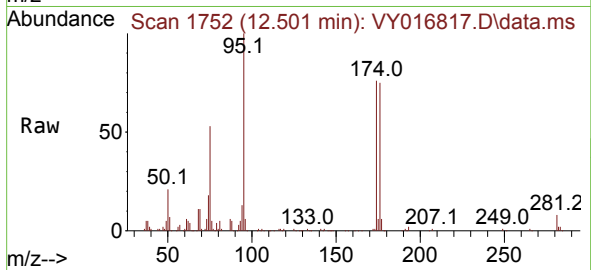
100 64.7 52.3 78.5



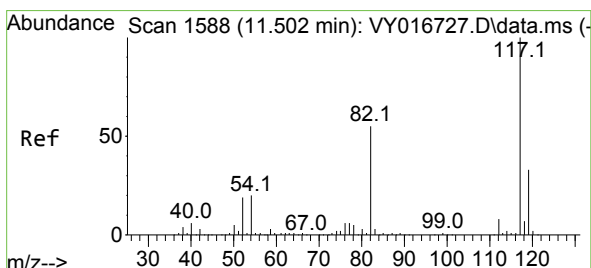
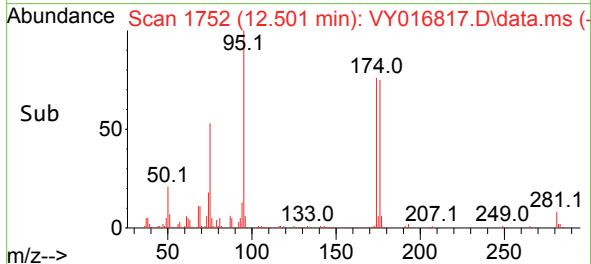
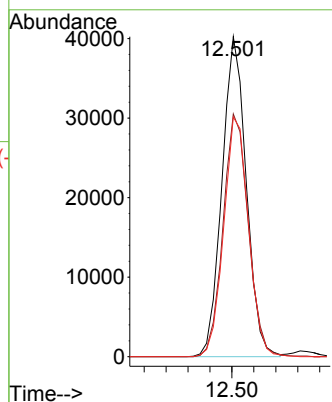


#62
4-Bromofluorobenzene
Concen: 48.997 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

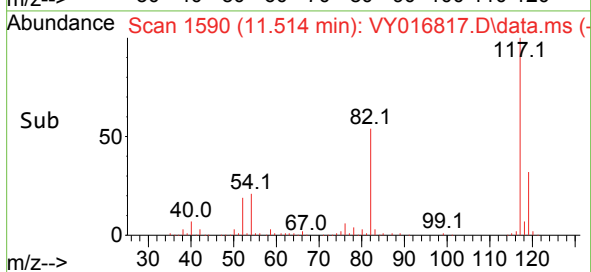
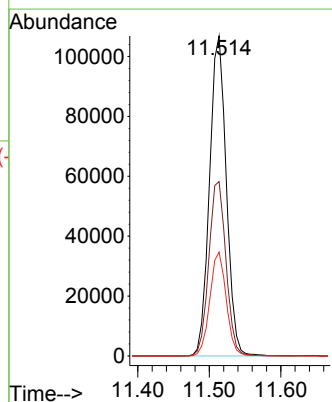
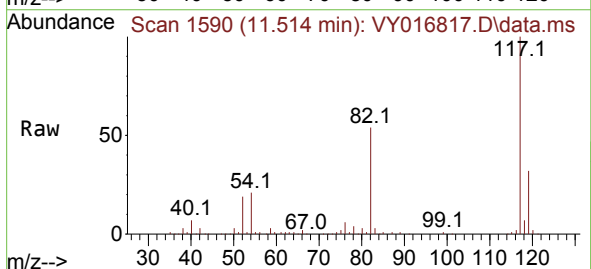


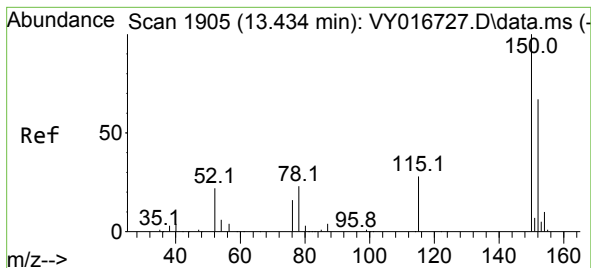
Tgt Ion: 95 Resp: 61960
Ion Ratio Lower Upper
95 100
174 78.5 0.0 160.0
176 76.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016817.D
Acq: 22 Dec 2023 18:44

Tgt Ion: 117 Resp: 174424
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 32.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

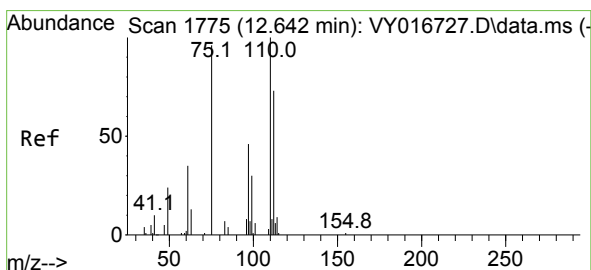
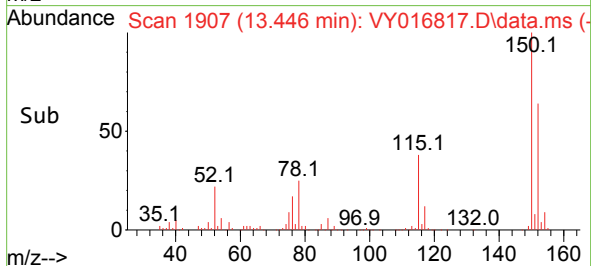
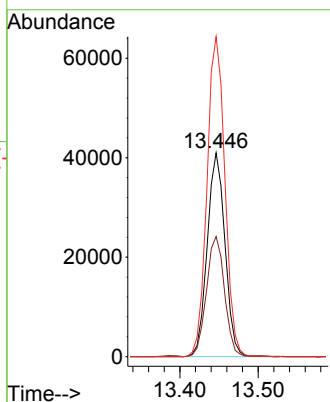
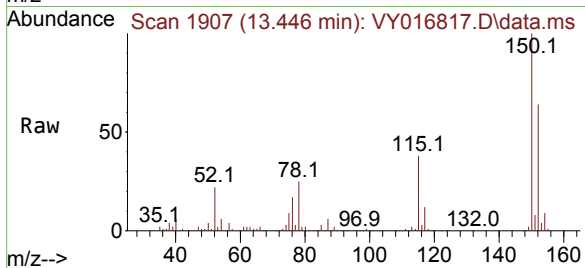
Tgt Ion:152 Resp: 64362

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 158.4 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.585 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016817.D

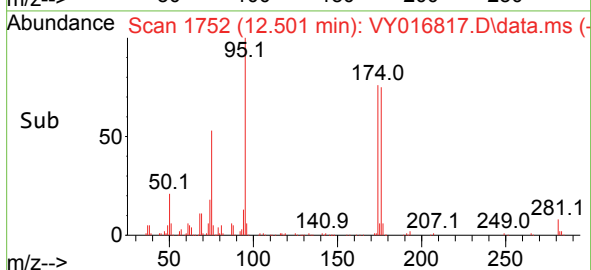
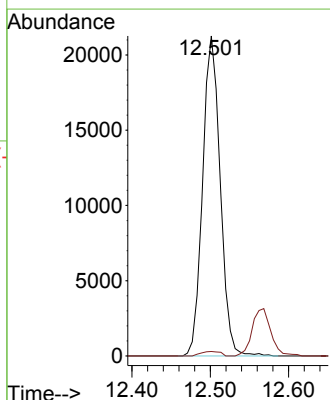
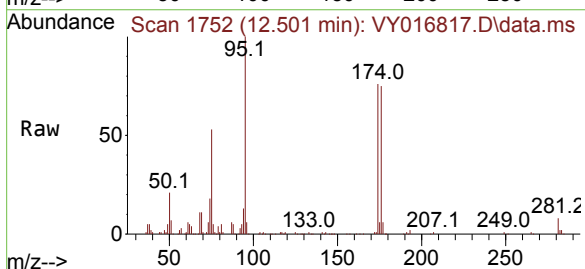
Acq: 22 Dec 2023 18:44

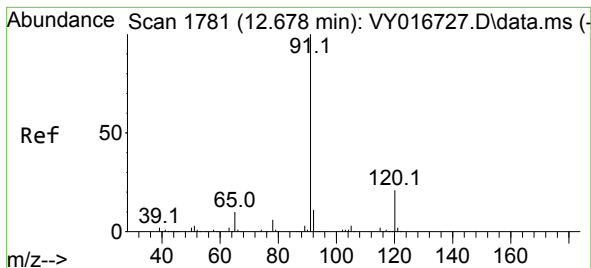
Tgt Ion: 75 Resp: 33145

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#78

n-propylbenzene

Concen: 1.064 ug/l

RT: 12.562 min Scan# 1752

Delta R.T. -0.116 min

Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

Instrument :

MSVOA_Y

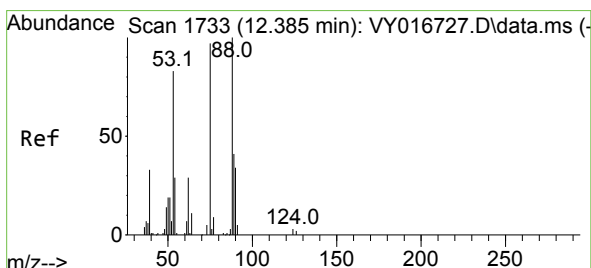
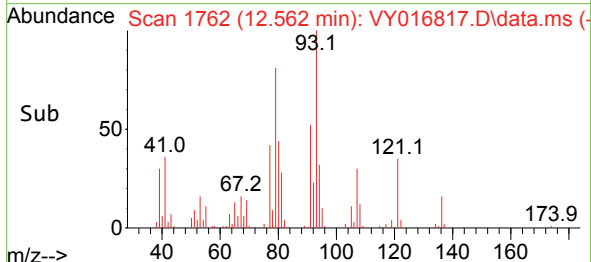
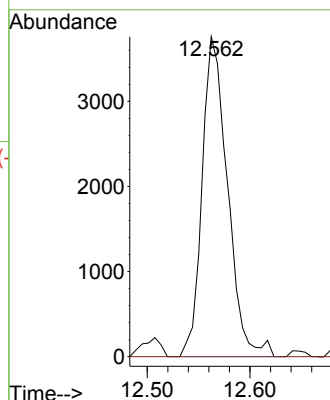
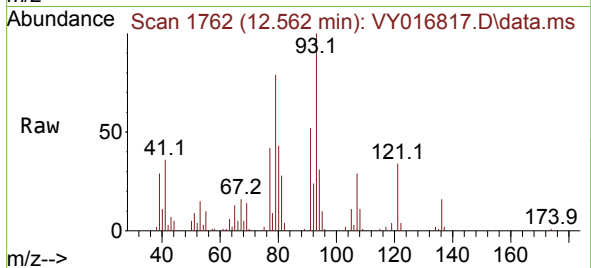
ClientSampleId :

Tgt Ion: 91 Resp: 6464

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.403 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.116 min

Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

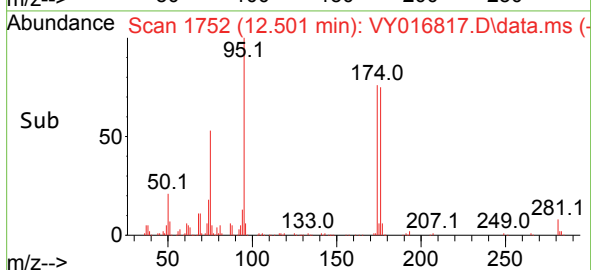
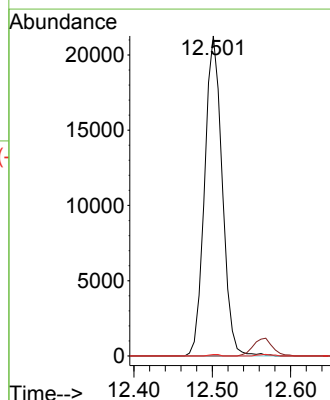
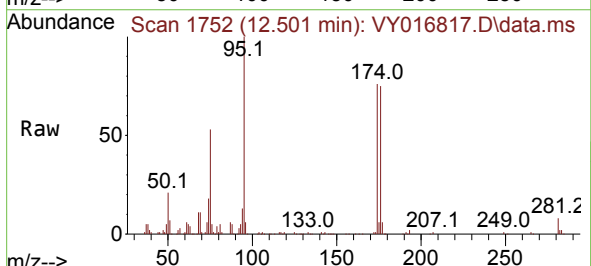
Tgt Ion: 75 Resp: 33145

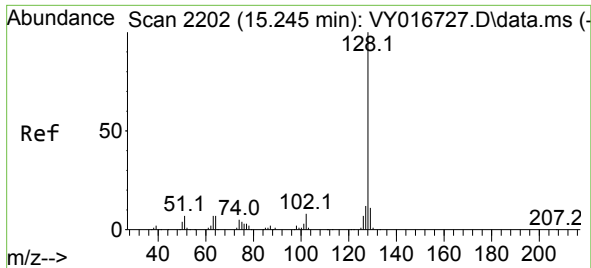
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.3 36.5 54.7#





#95

Naphthalene

Concen: 3.628 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

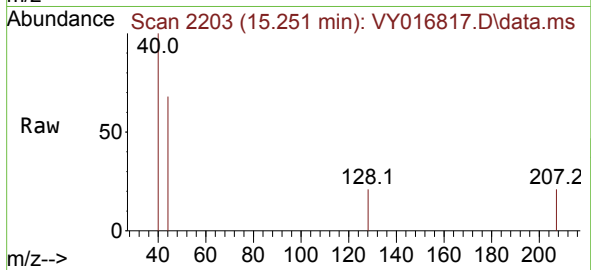
Lab File: VY016817.D

Acq: 22 Dec 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	76
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

