

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018329.D
 Acq On : 20 May 2024 12:51
 Operator : SY/MD
 Sample : P2513-13
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17

Quant Time: May 21 01:23:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

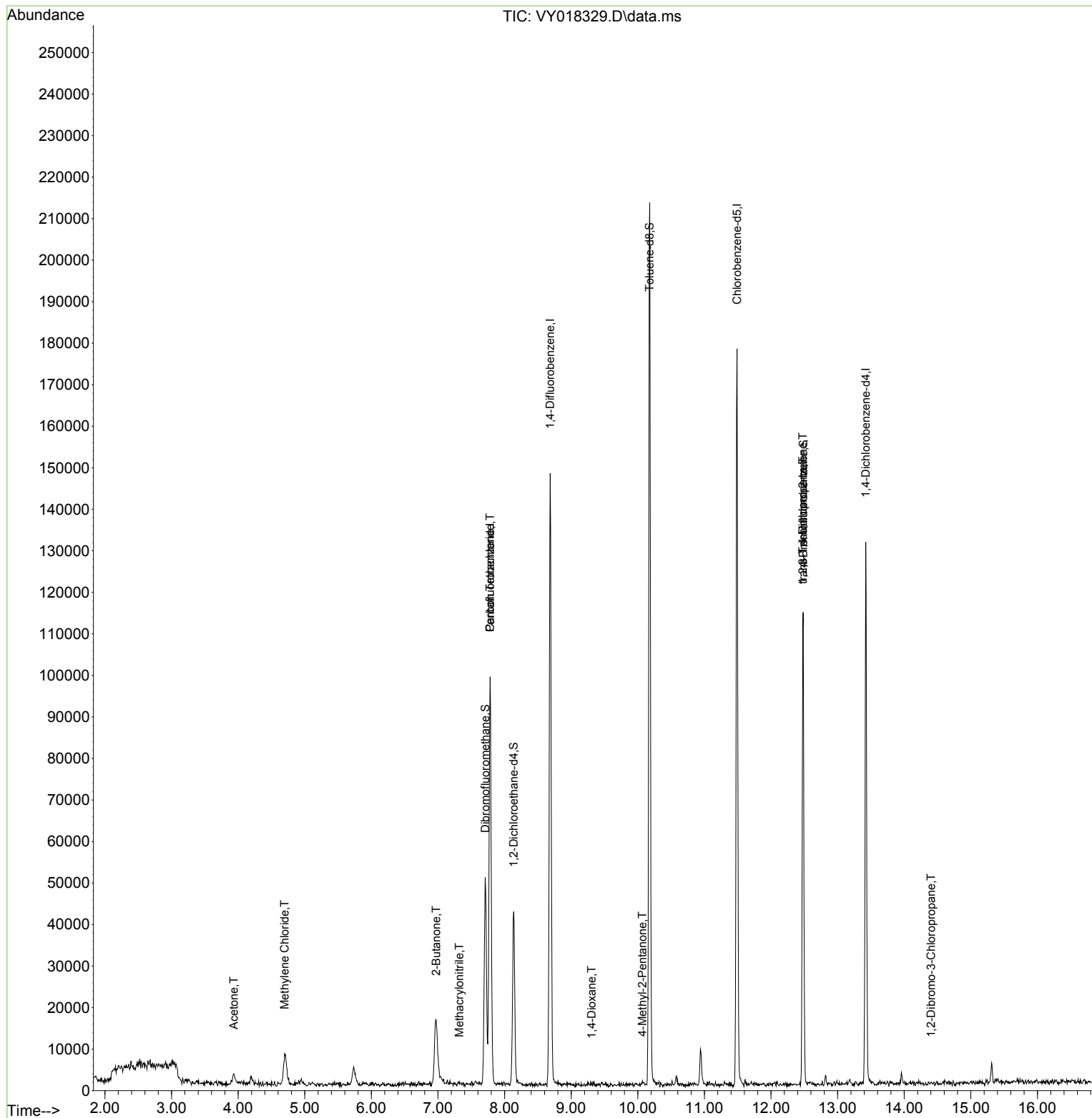
Internal Standards						
1) Pentafluorobenzene	7.783	168	73183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	130400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	97169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	29786	55.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.640%	
35) Dibromofluoromethane	7.710	113	35093	51.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.420%	
50) Toluene-d8	10.179	98	144049	53.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.483	95	35549	40.762	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.520%	
Target Compounds						
					Qvalue	
13) Acrolein	3.704	56	83	Below Cal	#	23
16) Acetone	3.936	43	3850	35.834	ug/l	94
20) Methylene Chloride	4.698	84	5660	7.453	ug/l	89
25) 2-Butanone	6.972	43	755	4.396	ug/l #	41
31) Cyclohexane	7.783	56	1793	Below Cal	#	33
38) Carbon Tetrachloride	7.783	117	7920	7.378	ug/l #	18
41) Methacrylonitrile	7.319	41	257	1.076	ug/l #	27
49) 1,4-Dioxane	9.307	88	47	8.915	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	461	1.082	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	18088	70.435	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	18088	135.705	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.403	75	61	1.167	ug/l #	1

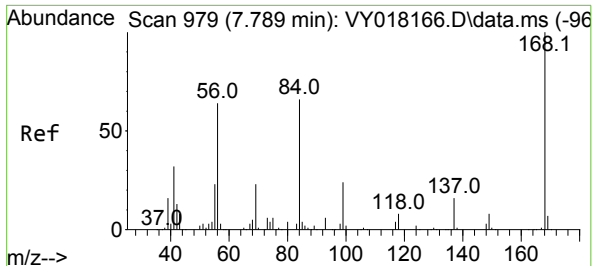
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 01:23:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration

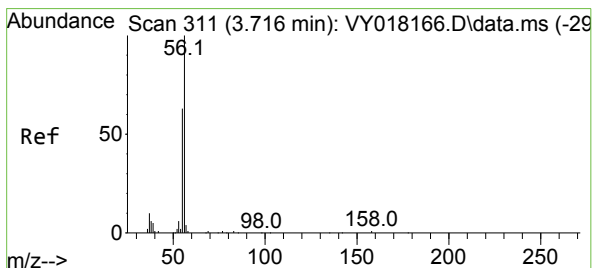
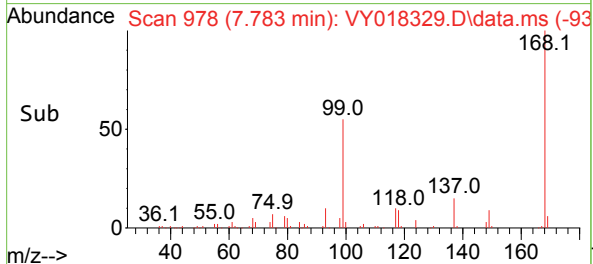
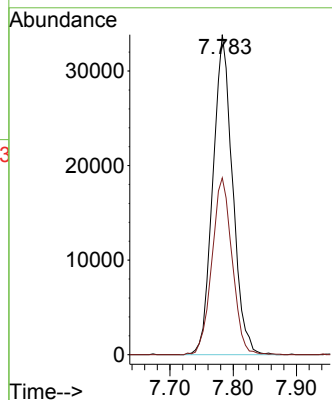
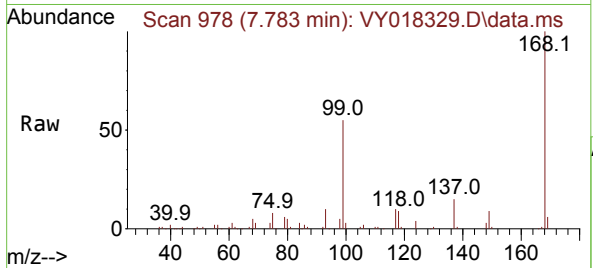




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

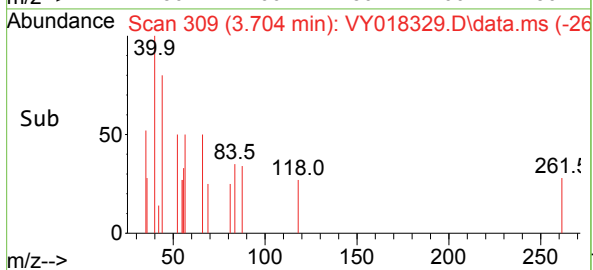
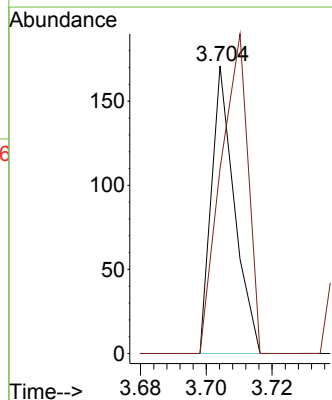
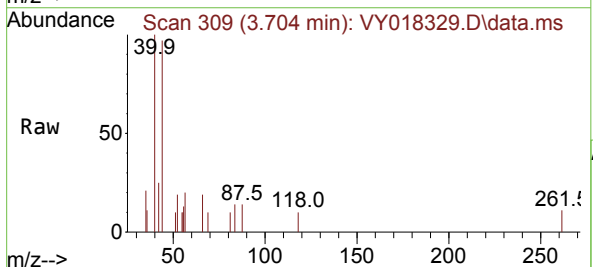
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

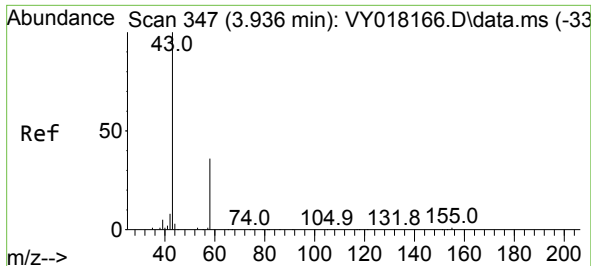
Tgt Ion:168 Resp: 73183
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.012 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 132.5 55.7 83.5#

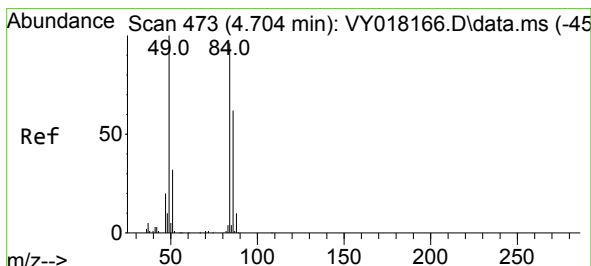
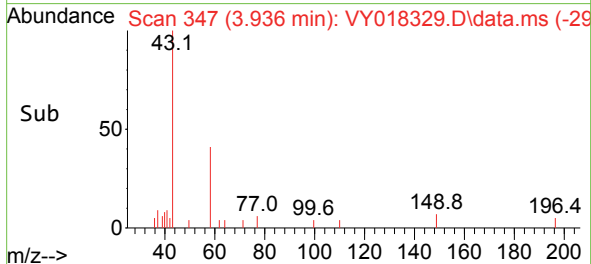
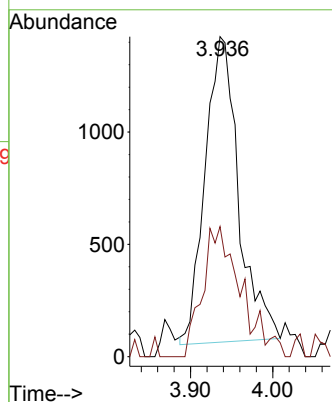
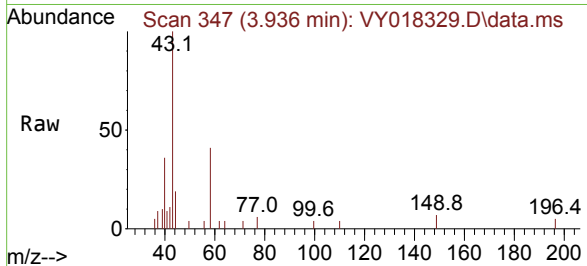




#16
Acetone
Concen: 35.834 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

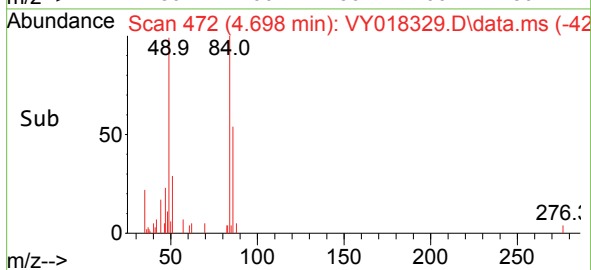
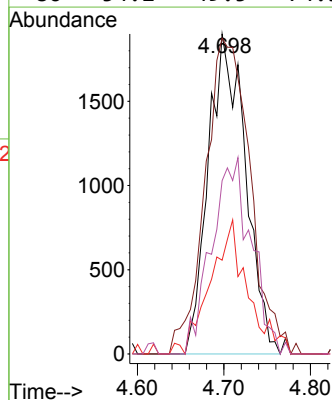
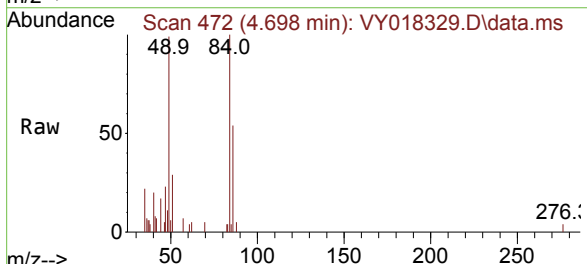
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

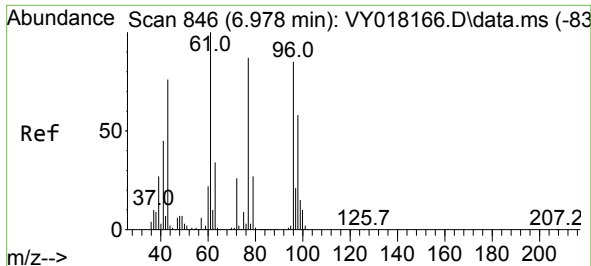
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 43.1 31.7 47.5



#20
Methylene Chloride
Concen: 7.453 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion: 84 Resp: 5660
Ion Ratio Lower Upper
84 100
49 93.2 84.4 126.6
51 26.6 26.0 39.0
86 54.2 49.5 74.3

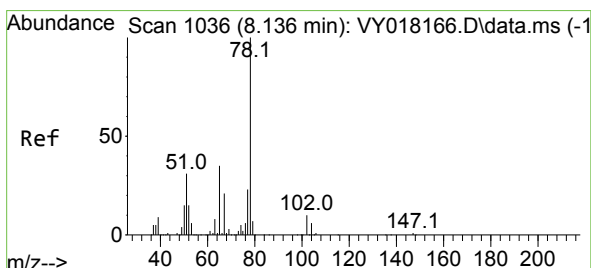
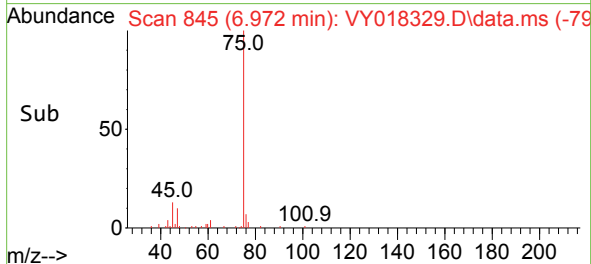
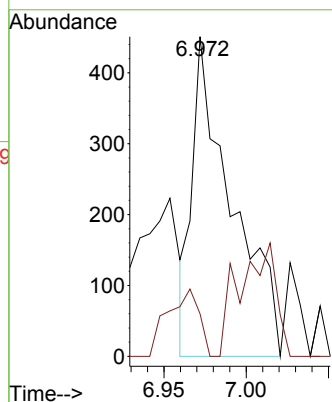
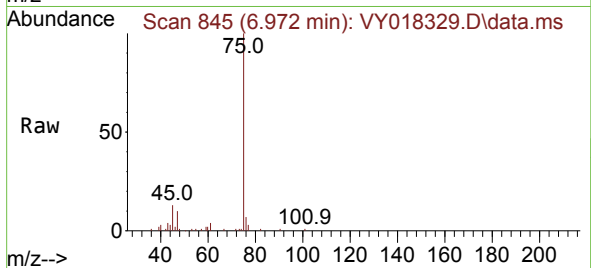




#25
2-Butanone
Concen: 4.396 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

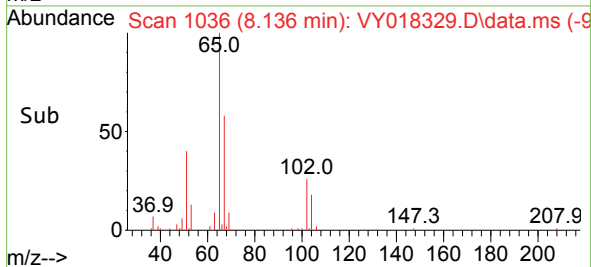
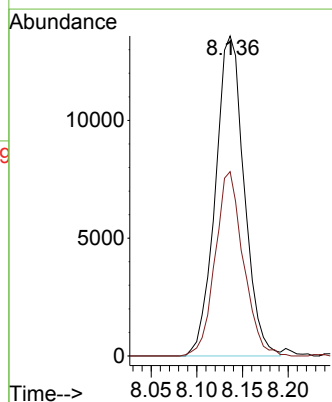
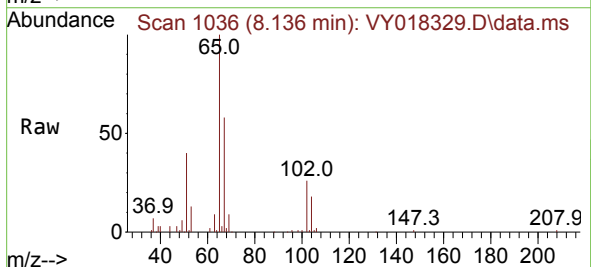
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

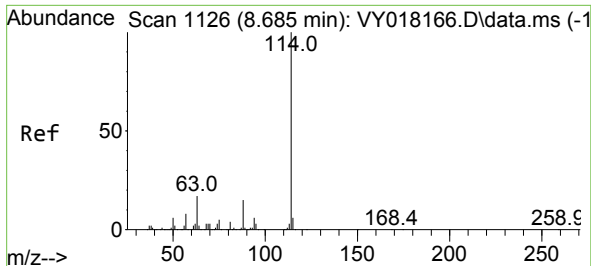
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
72 0.2 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 55.325 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion: 65 Resp: 29786
Ion Ratio Lower Upper
65 100
67 56.3 0.0 109.6

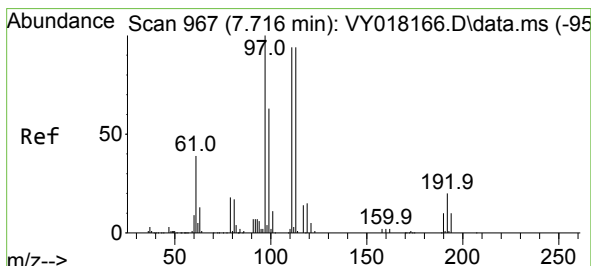
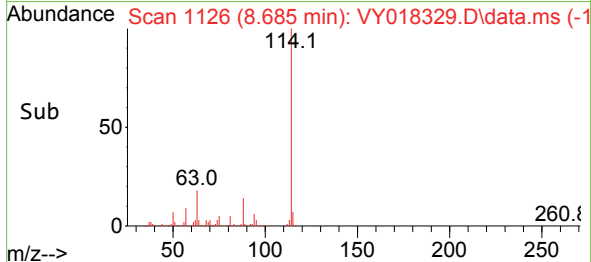
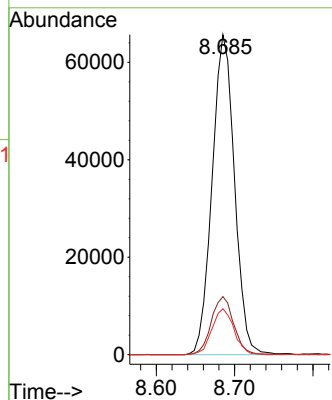
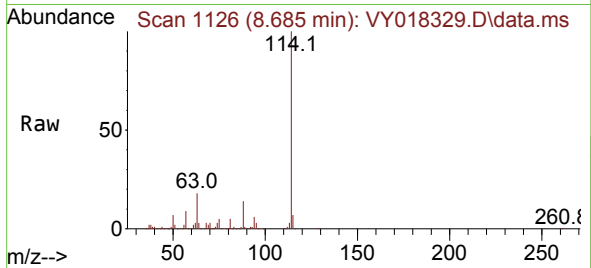




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

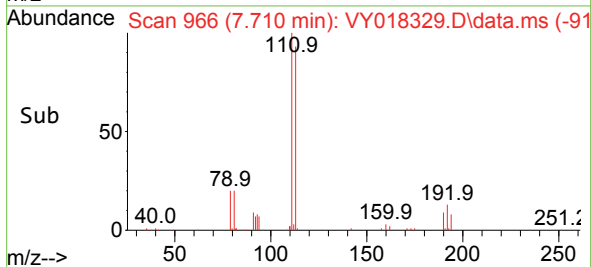
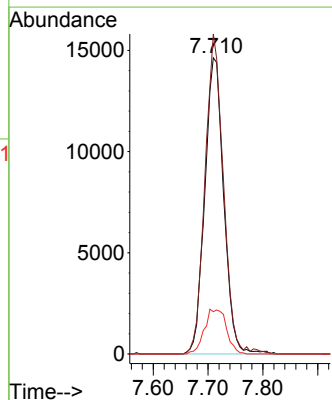
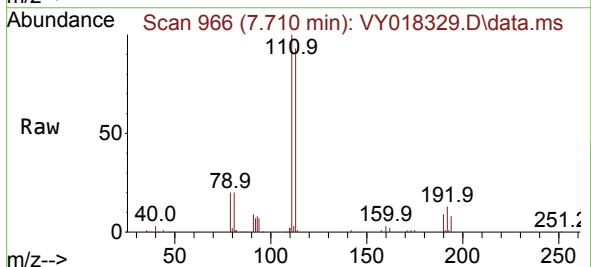
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

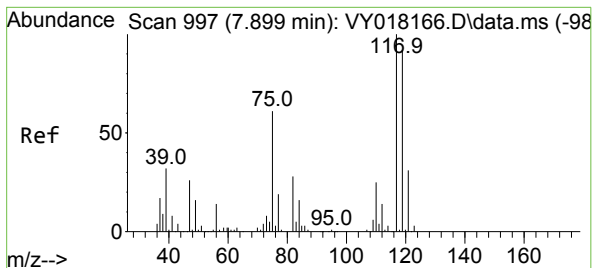
Tgt Ion:114 Resp: 130400
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.0
88 14.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.207 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion:113 Resp: 35093
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.4
192 17.5 15.9 23.9





#38

Carbon Tetrachloride

Concen: 7.378 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY018329.D

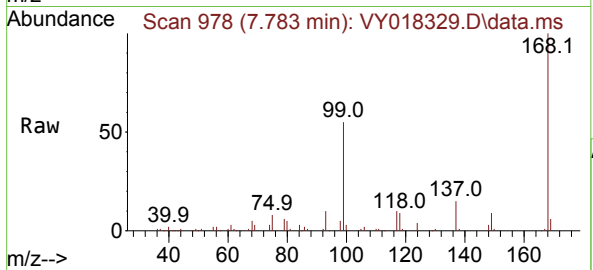
Acq: 20 May 2024 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-17



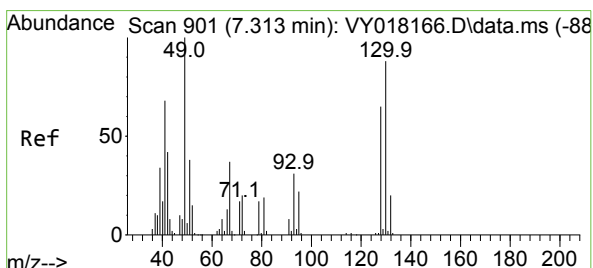
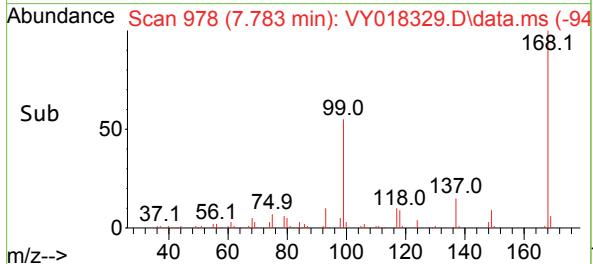
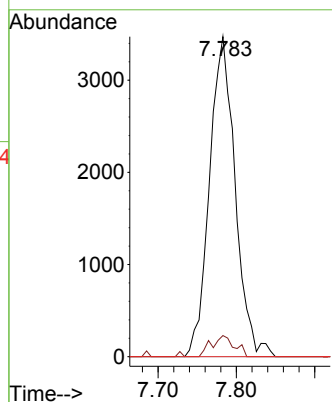
Tgt Ion:117 Resp: 7920

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.0 36.0#



#41

Methacrylonitrile

Concen: 1.076 ug/l

RT: 7.319 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY018329.D

Acq: 20 May 2024 12:51

Tgt Ion: 41 Resp: 257

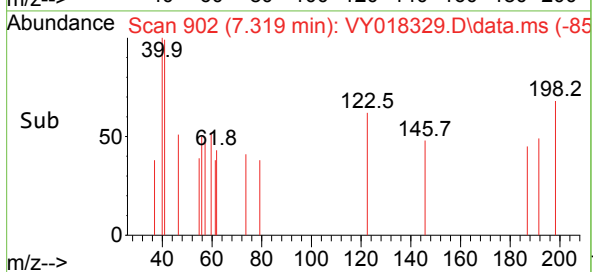
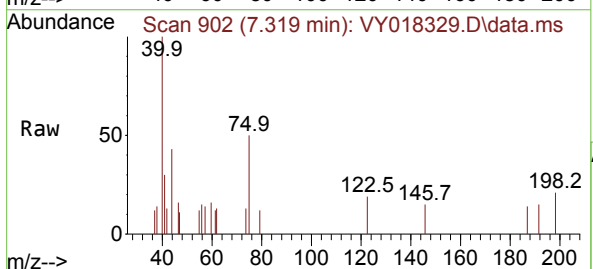
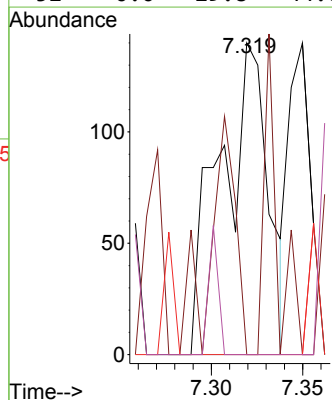
Ion Ratio Lower Upper

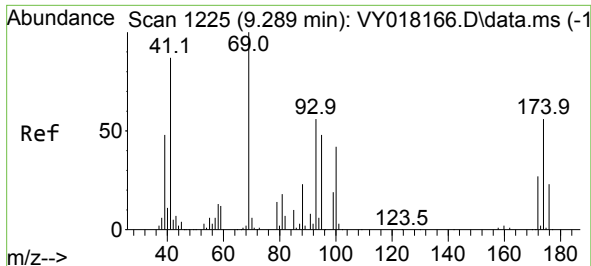
41 100

39 28.4 48.0 72.0#

67 0.0 75.1 112.7#

52 0.0 29.8 44.6#

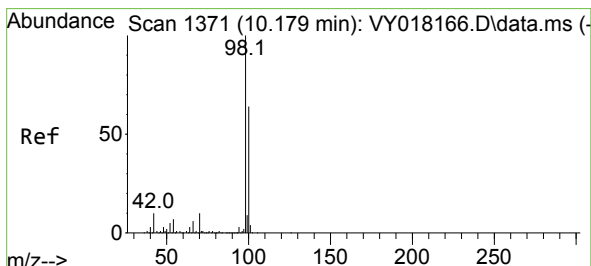
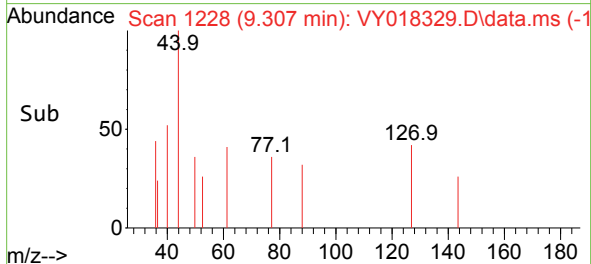
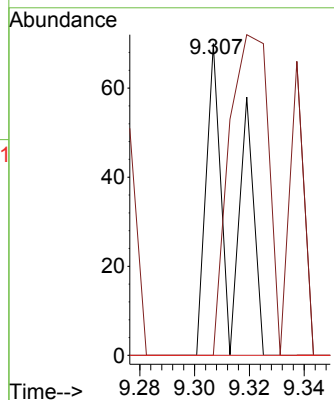
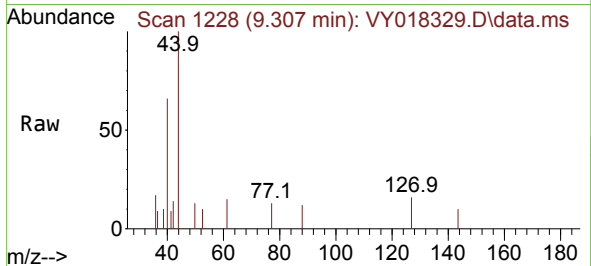




#49
1,4-Dioxane
Concen: 8.915 ug/l
RT: 9.307 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

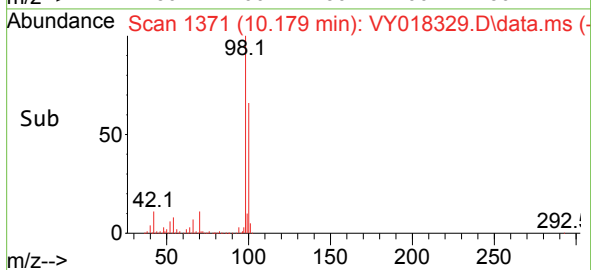
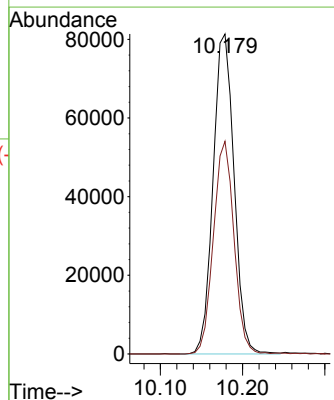
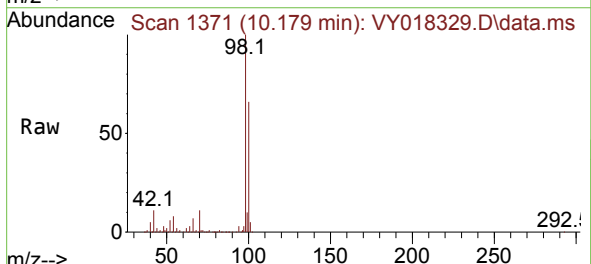
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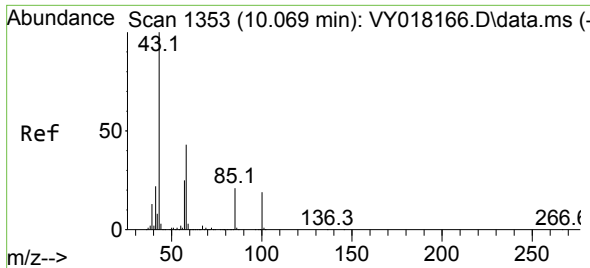
Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 202.1 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 53.340 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion: 98 Resp: 144049
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

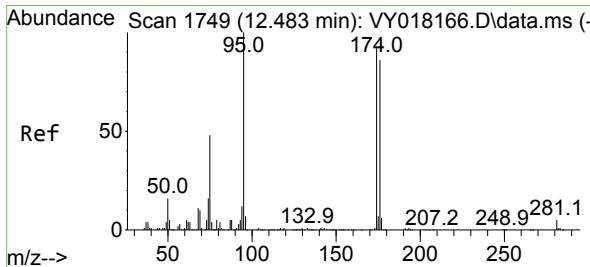
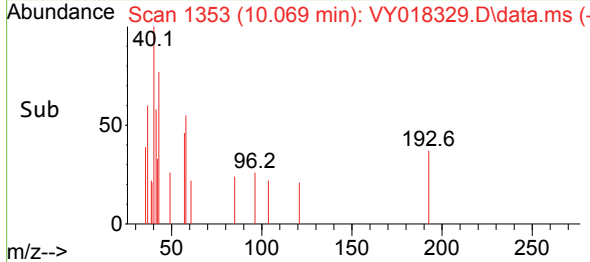
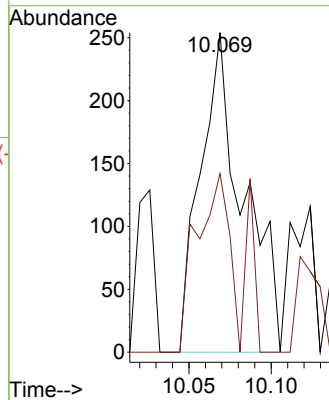
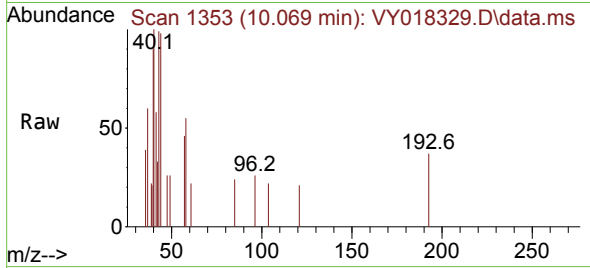




#51
4-Methyl-2-Pentanone
Concen: 1.082 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

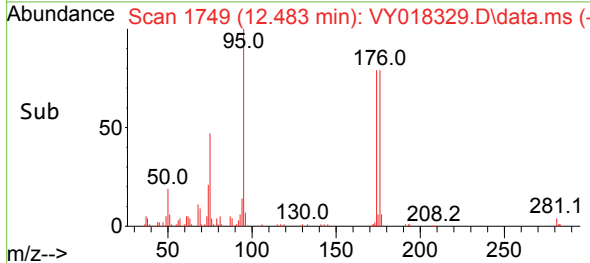
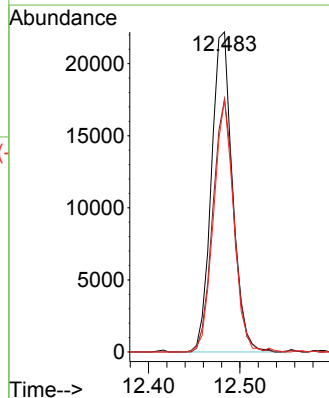
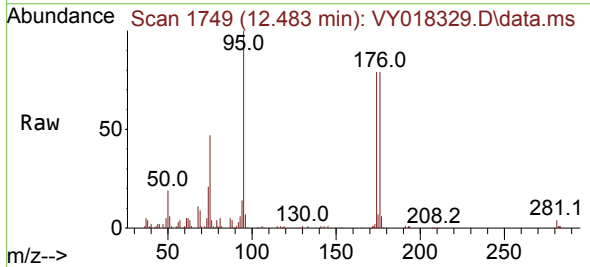
Instrument :
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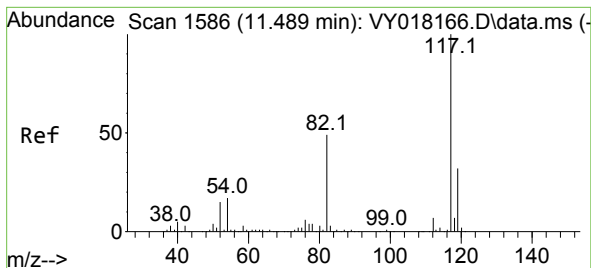
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 42.5 35.7 53.5



#62
4-Bromofluorobenzene
Concen: 40.762 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY018329.D
Acq: 20 May 2024 12:51

Tgt Ion: 95 Resp: 35549
Ion Ratio Lower Upper
95 100
174 79.1 0.0 175.6
176 75.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018329.D

Acq: 20 May 2024 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-17

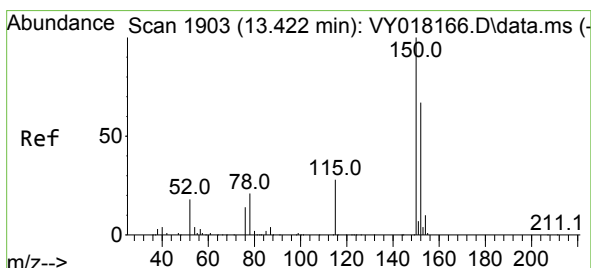
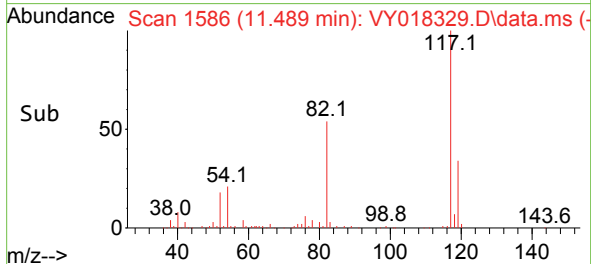
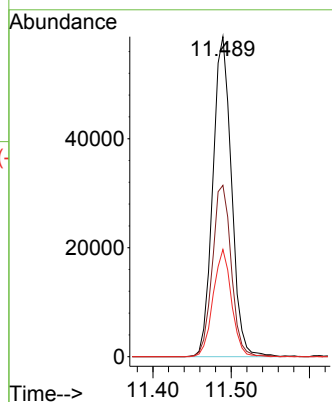
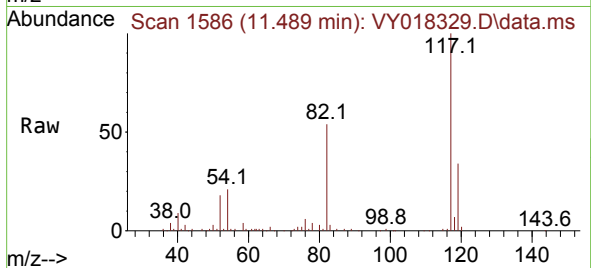
Tgt Ion:117 Resp: 97169

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

119 33.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018329.D

Acq: 20 May 2024 12:51

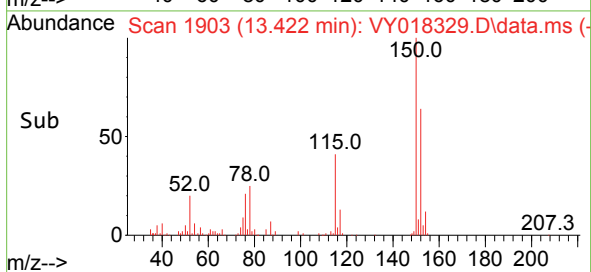
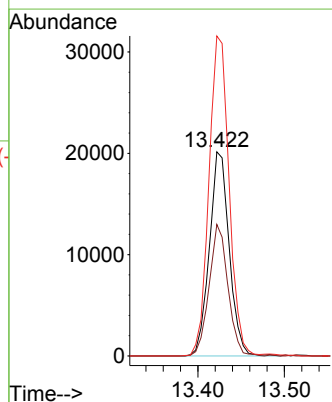
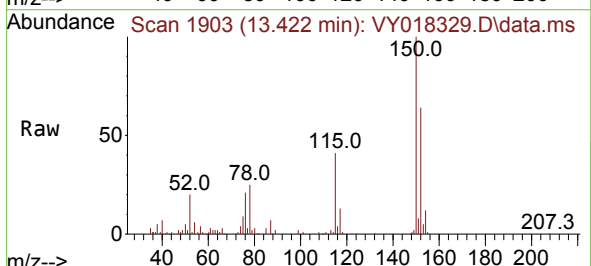
Tgt Ion:152 Resp: 32083

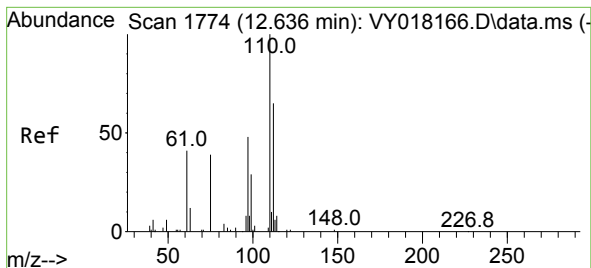
Ion Ratio Lower Upper

152 100

115 61.0 28.2 84.7

150 158.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 70.435 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018329.D

Acq: 20 May 2024 12:51

Instrument :

MSVOA_Y

ClientSampleId :

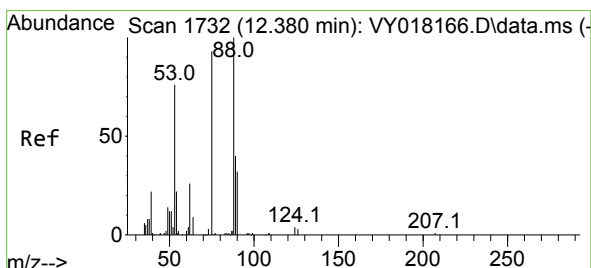
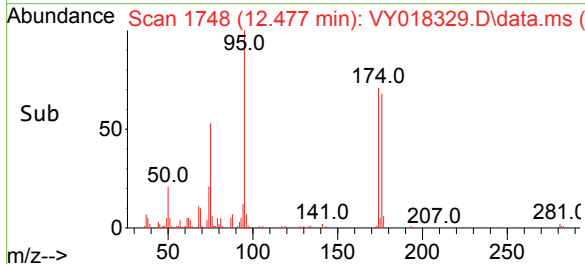
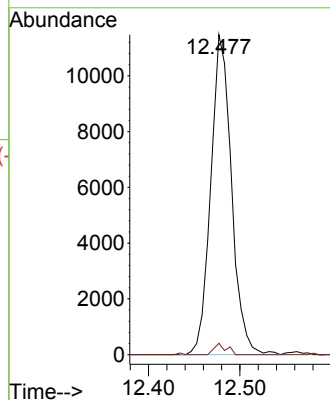
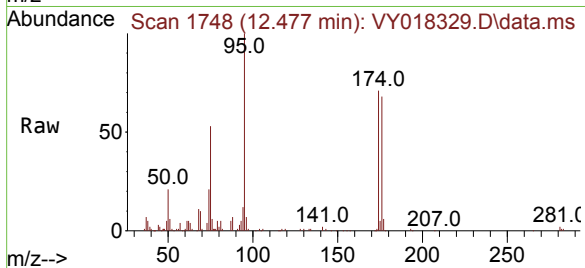
TP-17

Tgt Ion: 75 Resp: 18088

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.705 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY018329.D

Acq: 20 May 2024 12:51

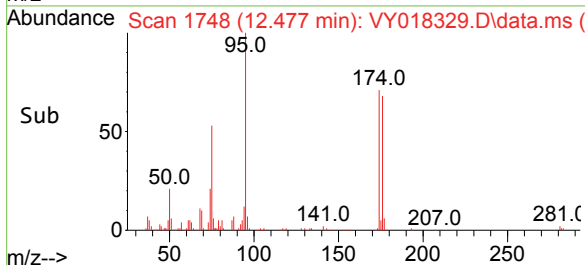
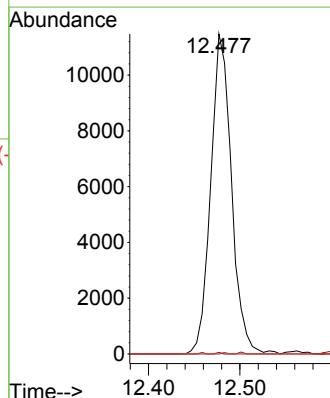
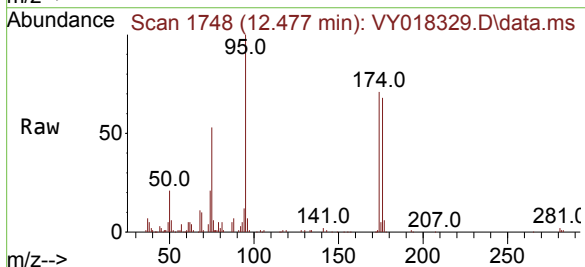
Tgt Ion: 75 Resp: 18088

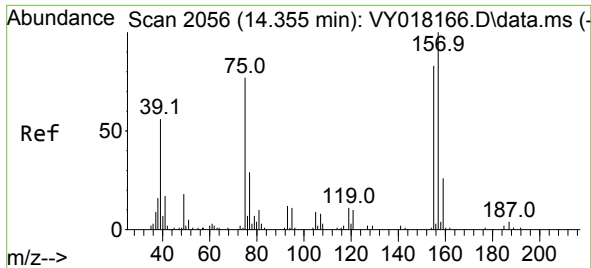
Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

89 0.1 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.167 ug/l
 RT: 14.403 min Scan# 2056
 Delta R.T. 0.049 min
 Lab File: VY018329.D
 Acq: 20 May 2024 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17

Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#

