

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052324\
 Data File : VY018360.D
 Acq On : 23 May 2024 15:09
 Operator : SY/MD
 Sample : P2578-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 24 01:17:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

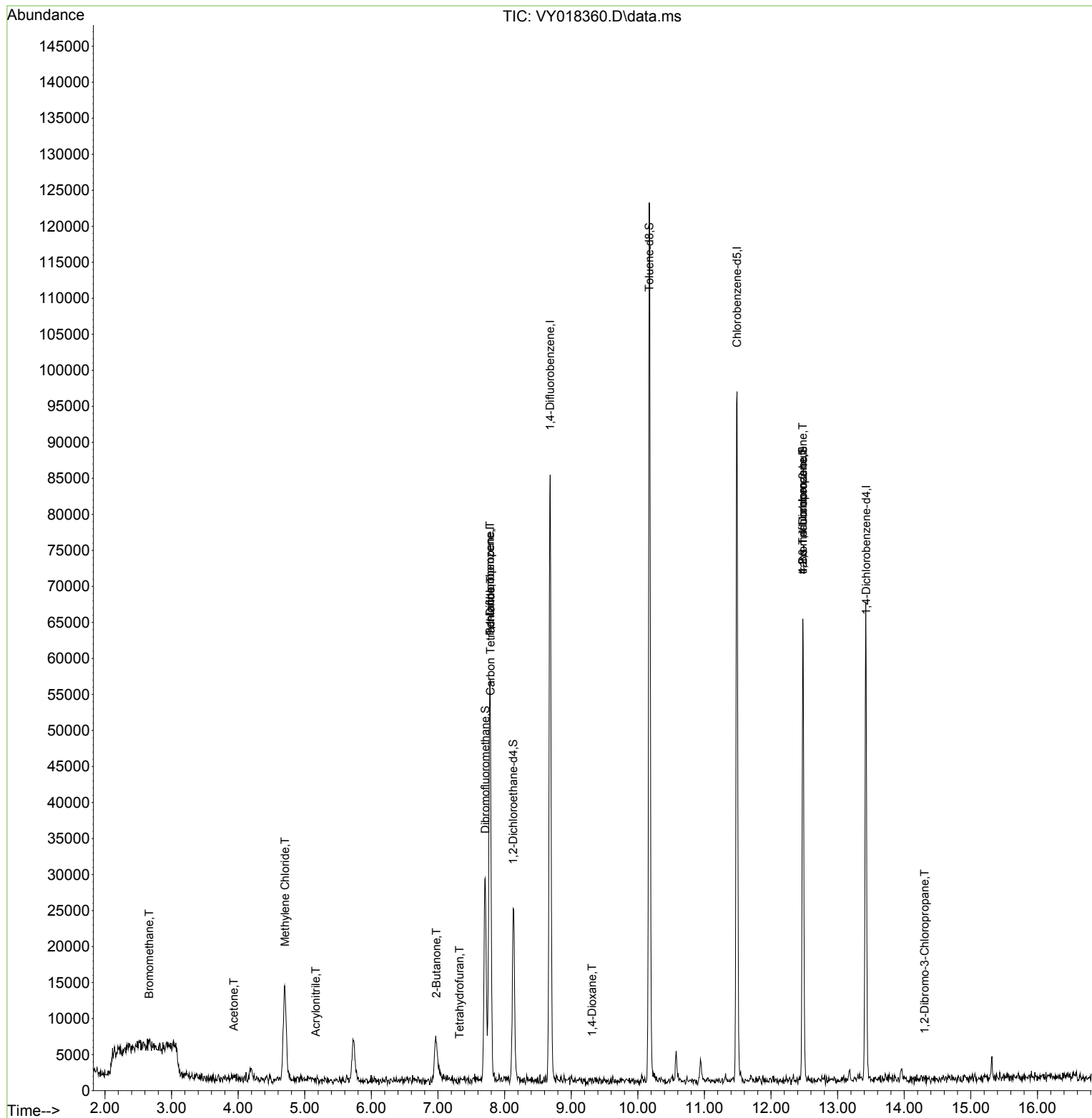
Internal Standards						
1) Pentafluorobenzene	7.783	168	42481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	74065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	17366	43.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.300%
35) Dibromofluoromethane	7.710	113	20069	46.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.940%
50) Toluene-d8	10.173	98	78461	46.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.477	95	19096	36.700	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	483	1.025	ug/l	84
11) Tert butyl alcohol	4.960	59	44	Below Cal	#	1
13) Acrolein	3.729	56	23	Below Cal	#	1
15) Acrylonitrile	5.167	53	125	1.223	ug/l #	18
16) Acetone	3.936	43	642	7.756	ug/l #	63
20) Methylene Chloride	4.704	84	10148	18.214	ug/l	95
25) 2-Butanone	6.978	43	427	3.255	ug/l #	41
29) Tetrahydrofuran	7.325	42	105	1.216	ug/l #	26
31) Cyclohexane	7.777	56	1286	Below Cal	#	27
36) 1,1-Dichloropropene	7.783	75	3959	6.321	ug/l #	51
38) Carbon Tetrachloride	7.789	117	4599	7.169	ug/l #	13
49) 1,4-Dioxane	9.313	88	24	7.340	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	10414	70.915	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	10414	145.908	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.306	75	64	2.132	ug/l #	1

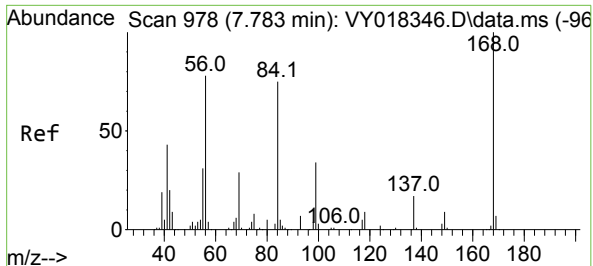
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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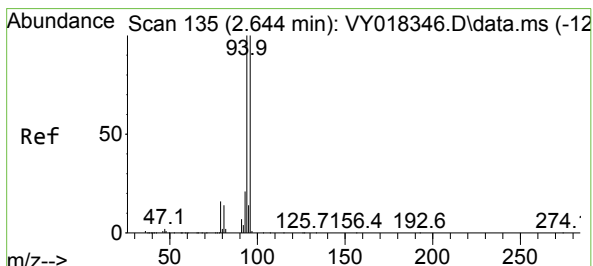
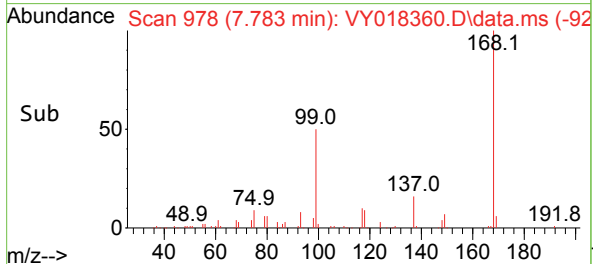
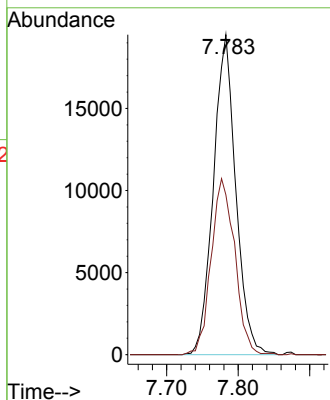
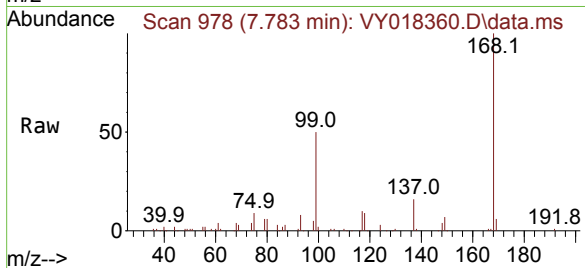




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

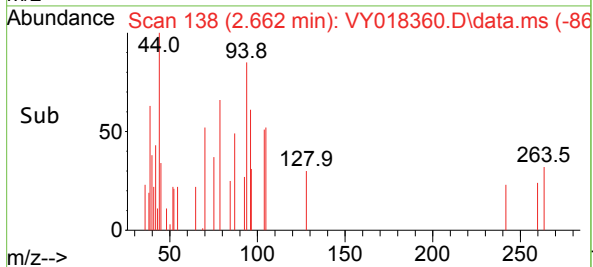
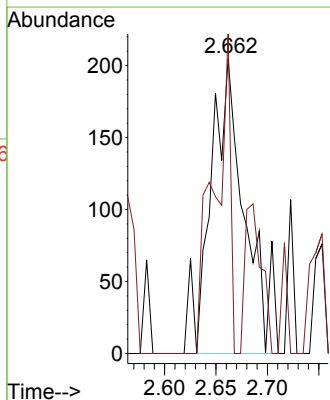
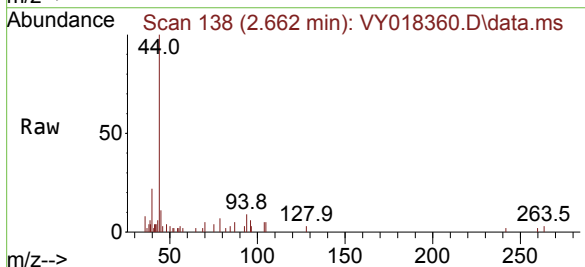
Instrument :
MSVOA_Y
ClientSampleId :

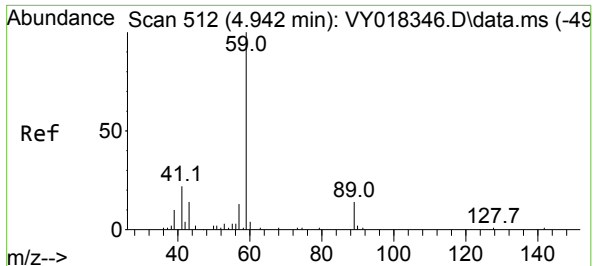
Tgt Ion:168 Resp: 42481
Ion Ratio Lower Upper
168 100
99 49.9 39.1 58.7



#5
Bromomethane
Concen: 1.025 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 108.3 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 51

Delta R.T. 0.018 min

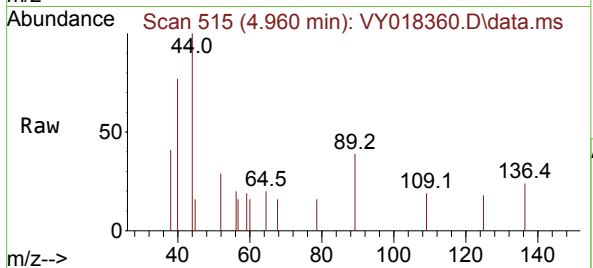
Lab File: VY018360.D

Acq: 23 May 2024 15:09

Instrument :

MSVOA_Y

ClientSampleId :

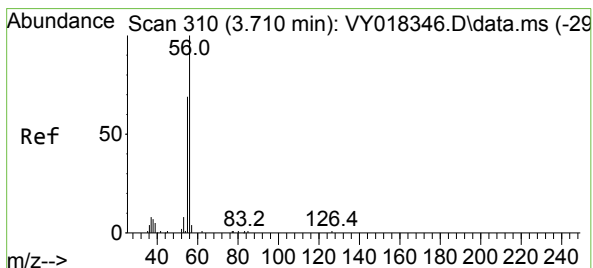
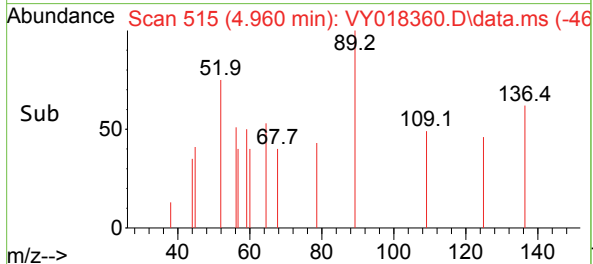
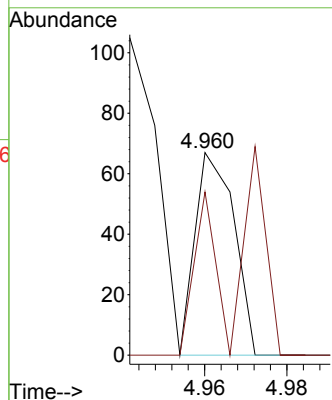


Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 45.5 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 313

Delta R.T. 0.019 min

Lab File: VY018360.D

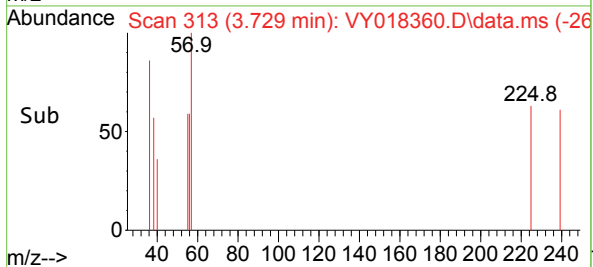
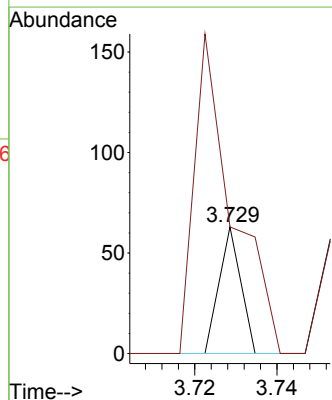
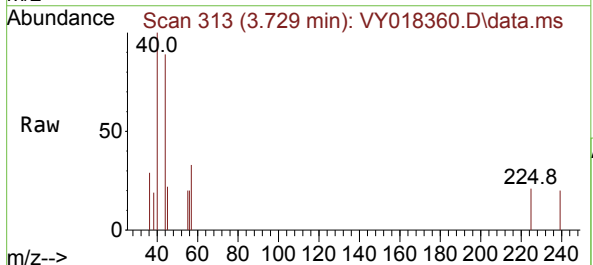
Acq: 23 May 2024 15:09

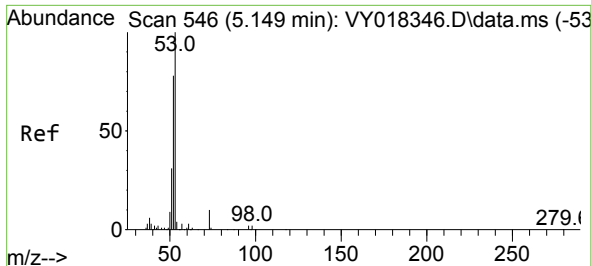
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 443.5 55.7 83.5#

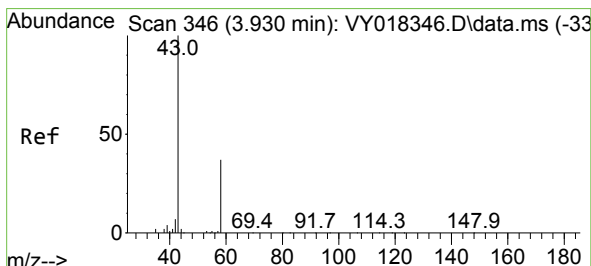
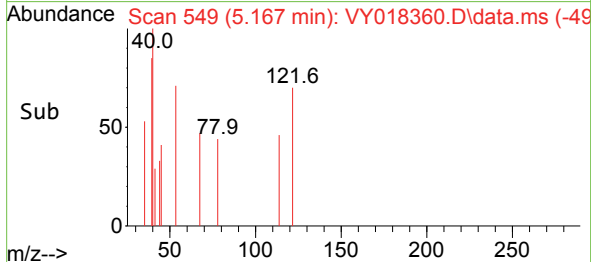
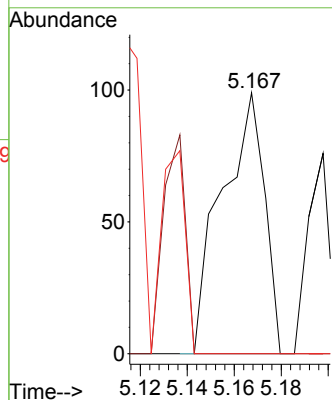
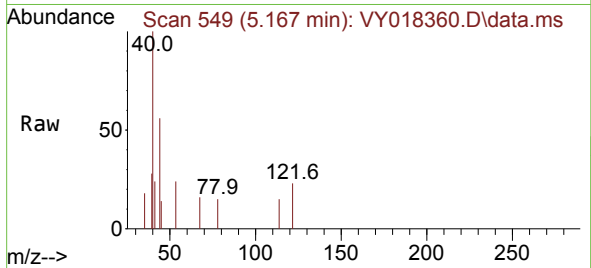




#15
Acrylonitrile
Concen: 1.223 ug/l
RT: 5.167 min Scan# 54
Delta R.T. 0.018 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

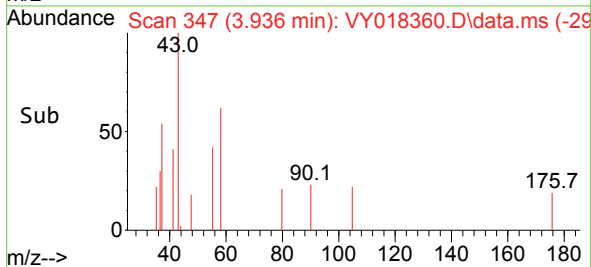
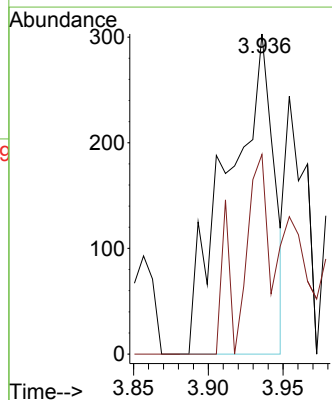
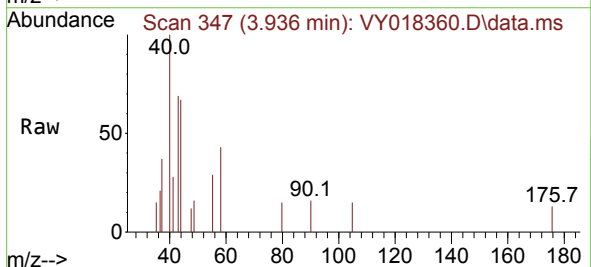
Instrument :
MSVOA_Y
ClientSampleId :

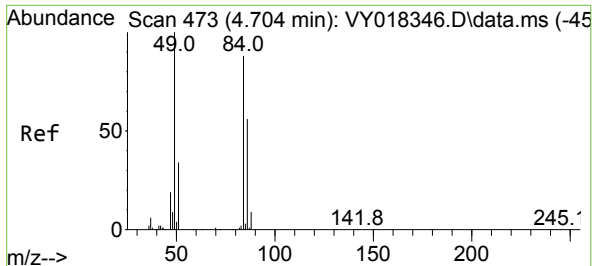
Tgt Ion: 53 Resp: 125
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 7.756 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
58 62.4 31.7 47.5#

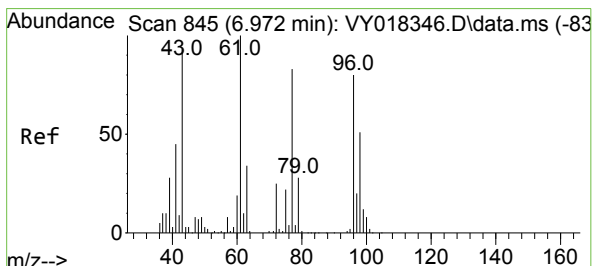
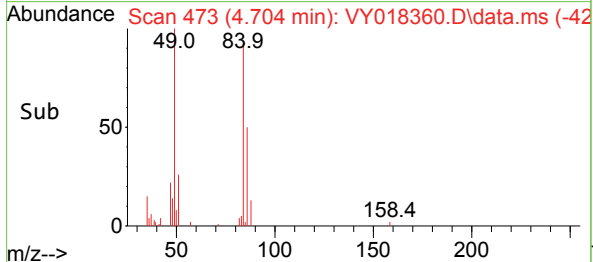
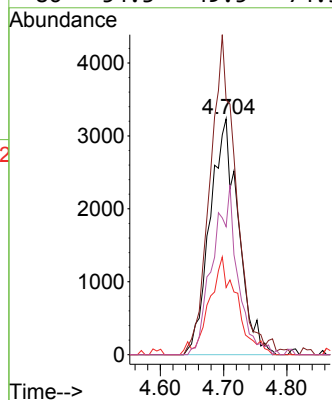
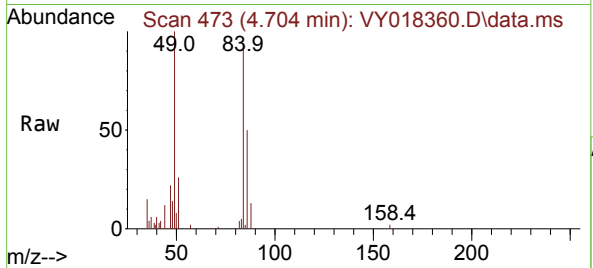




#20
Methylene Chloride
Concen: 18.214 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

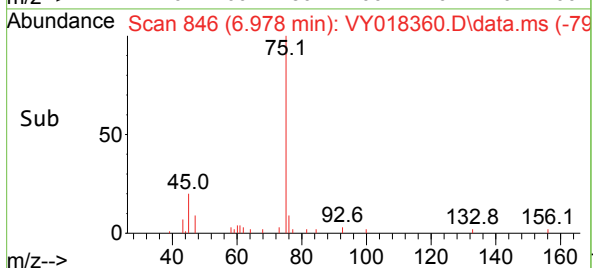
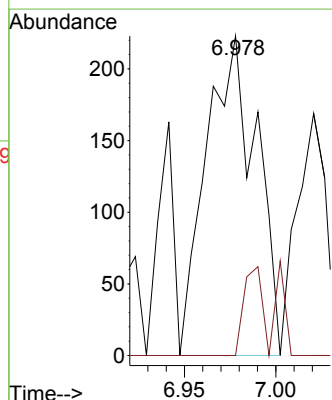
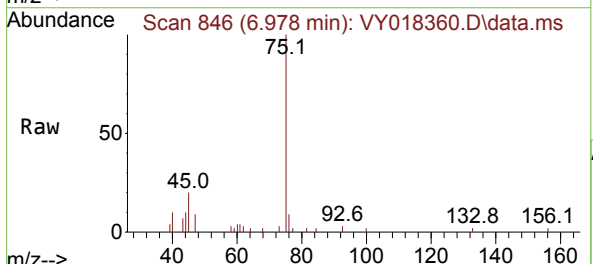
Instrument :
MSVOA_Y
ClientSampleId :

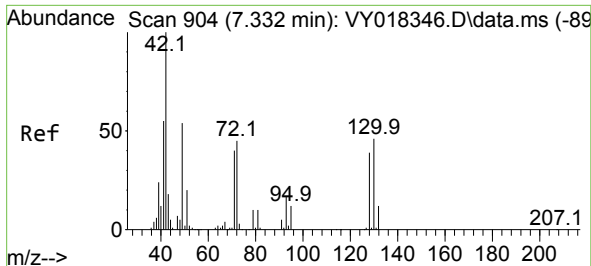
Tgt Ion: 84 Resp: 10148
Ion Ratio Lower Upper
84 100
49 107.9 84.4 126.6
51 28.5 26.0 39.0
86 54.3 49.5 74.3



#25
2-Butanone
Concen: 3.255 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

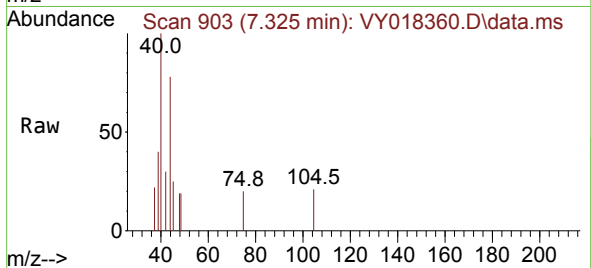
Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



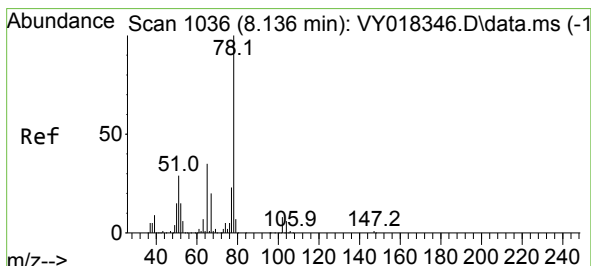
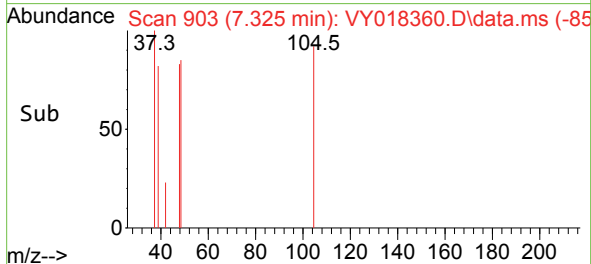
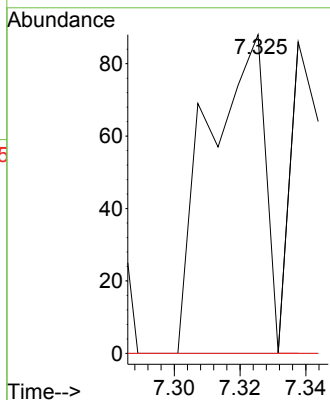


#29
Tetrahydrofuran
Concen: 1.216 ug/l
RT: 7.325 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

Instrument :
MSVOA_Y
ClientSampleId :

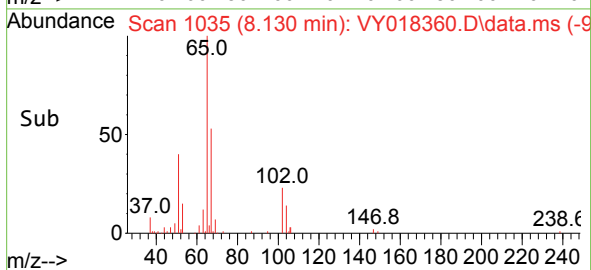
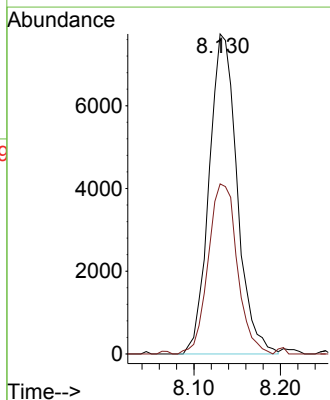
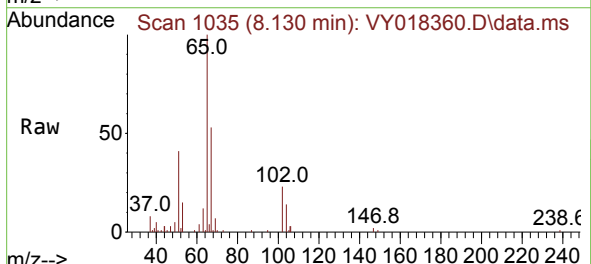


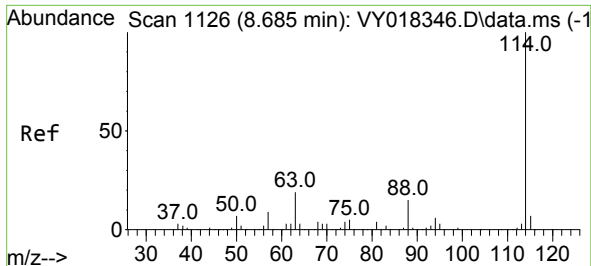
Tgt Ion: 42 Resp: 105
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



#33
1,2-Dichloroethane-d4
Concen: 43.148 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

Tgt Ion: 65 Resp: 17366
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.6

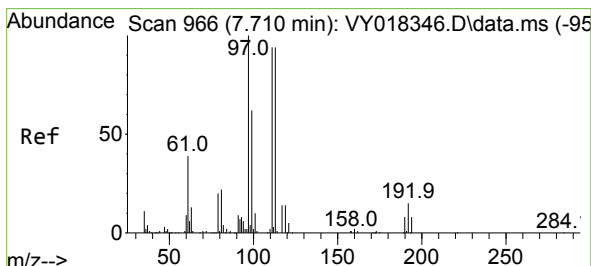
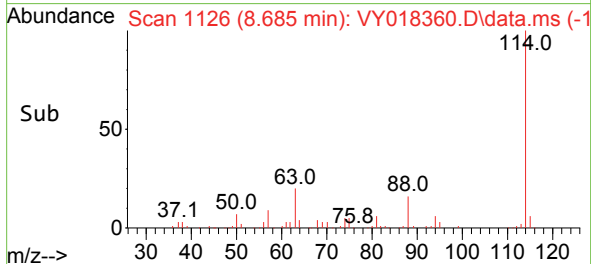
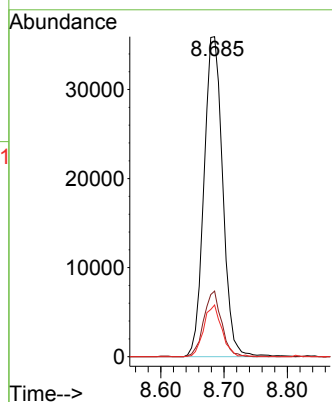
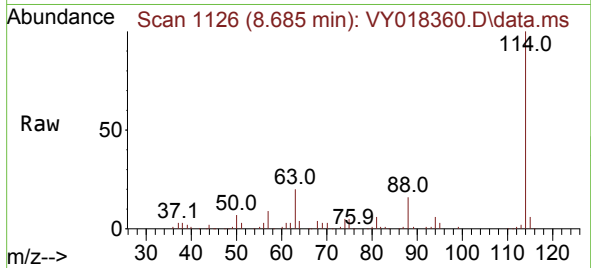




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

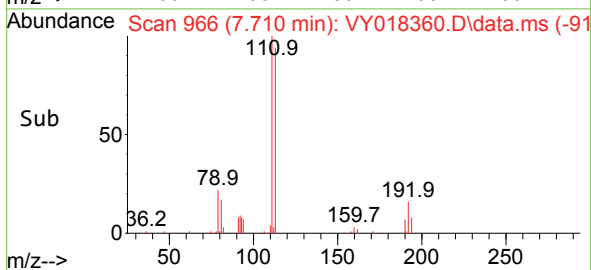
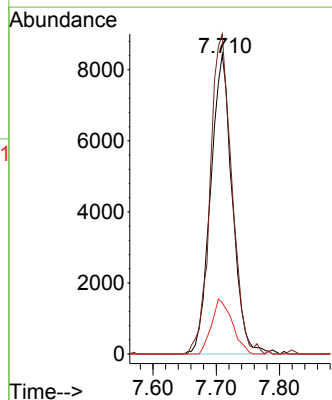
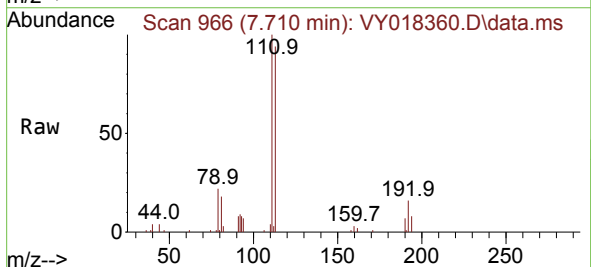
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ClientSampleId :

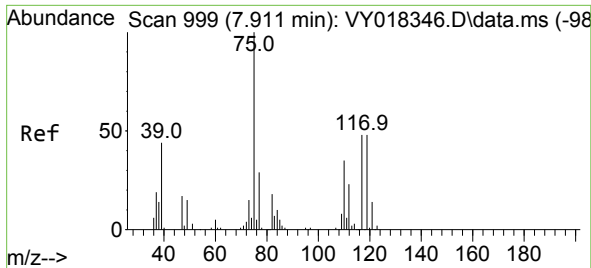
Tgt Ion:114 Resp: 74065
Ion Ratio Lower Upper
114 100
63 20.5 0.0 35.0
88 16.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 46.466 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

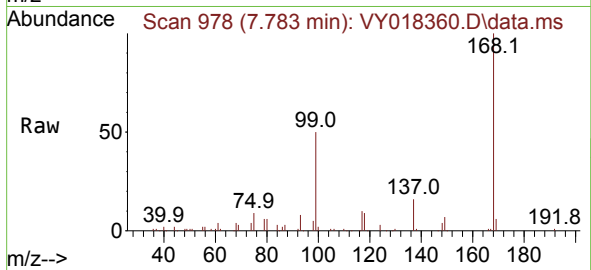
Tgt Ion:113 Resp: 20069
Ion Ratio Lower Upper
113 100
111 107.0 82.2 123.4
192 17.4 15.9 23.9



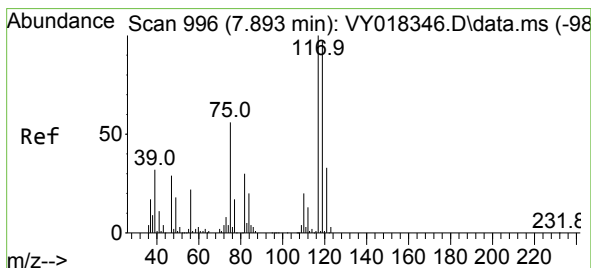
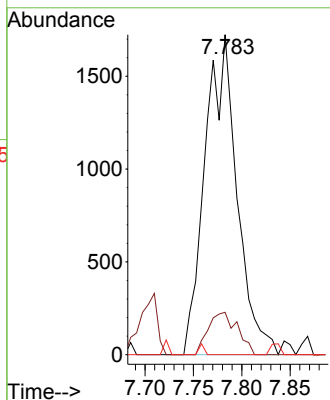
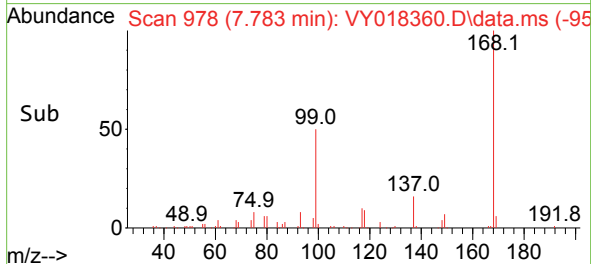


#36
1,1-Dichloropropene
Concen: 6.321 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

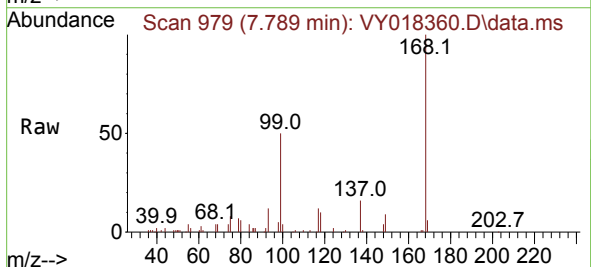
Instrument :
MSVOA_Y
ClientSampleId :



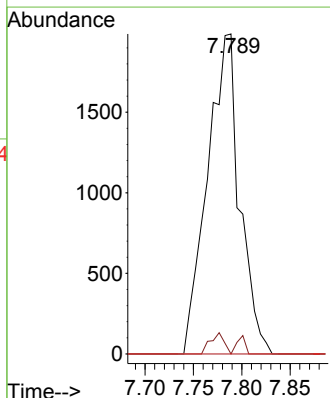
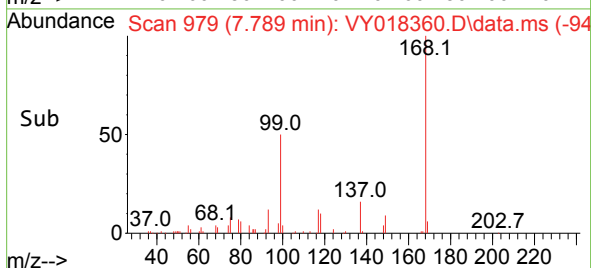
Tgt Ion: 75 Resp: 3959
Ion Ratio Lower Upper
75 100
110 12.1 19.0 57.0#
77 0.0 25.3 37.9#

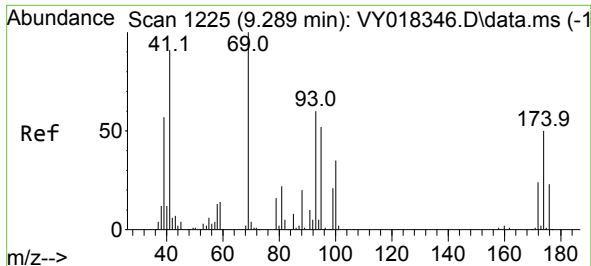


#38
Carbon Tetrachloride
Concen: 7.169 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09



Tgt Ion: 117 Resp: 4599
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 7.340 ug/l

RT: 9.313 min Scan# 1

Delta R.T. 0.024 min

Lab File: VY018360.D

Acq: 23 May 2024 15:09

Instrument :

MSVOA_Y

ClientSampleId :

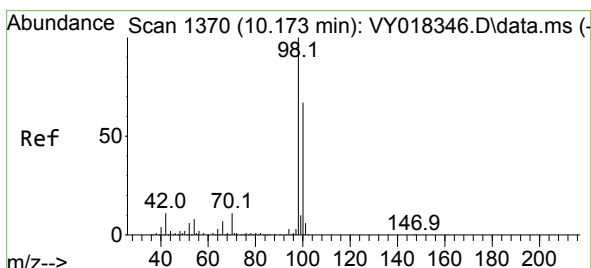
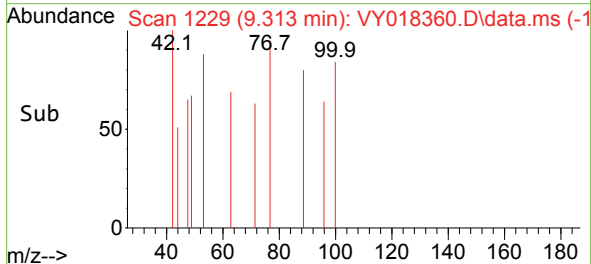
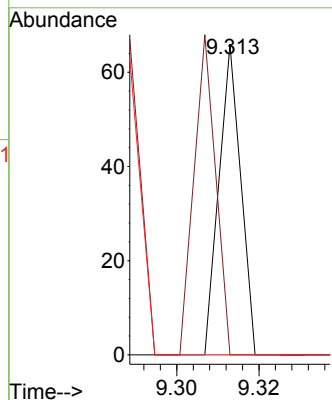
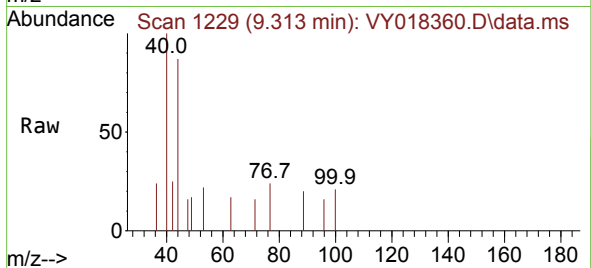
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 104.2 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 46.594 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018360.D

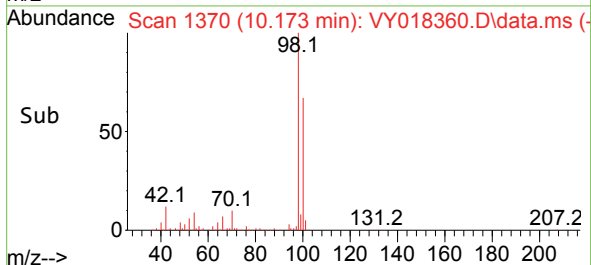
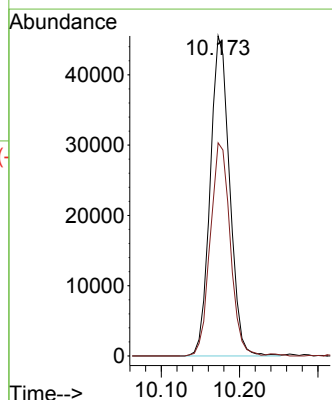
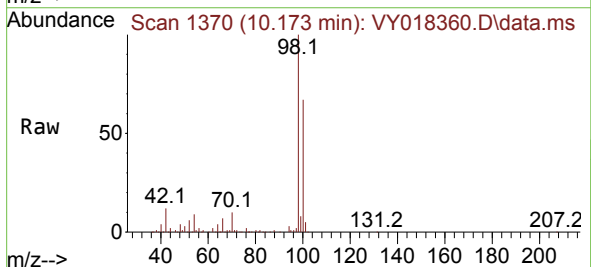
Acq: 23 May 2024 15:09

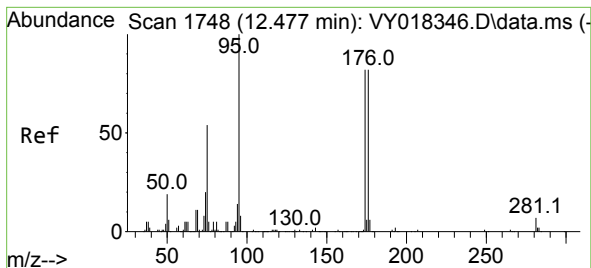
Tgt Ion: 98 Resp: 78461

Ion Ratio Lower Upper

98 100

100 68.2 52.0 78.0

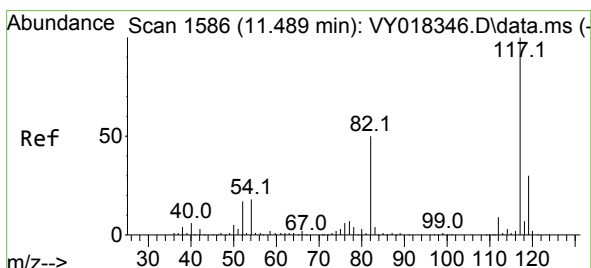
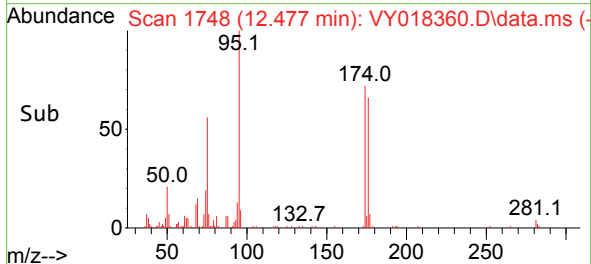
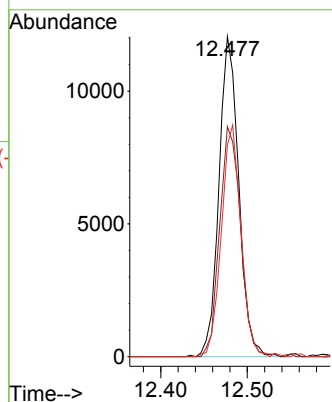
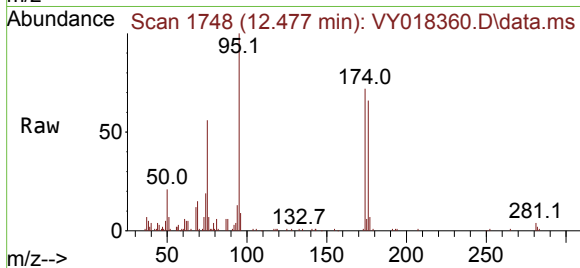




#62
4-Bromofluorobenzene
Concen: 36.700 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

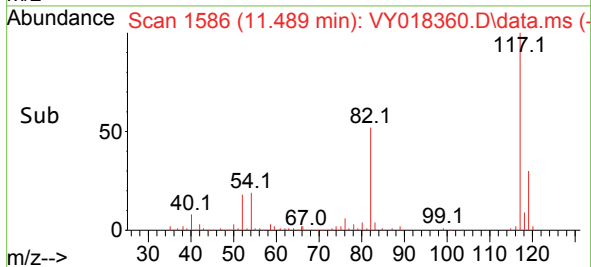
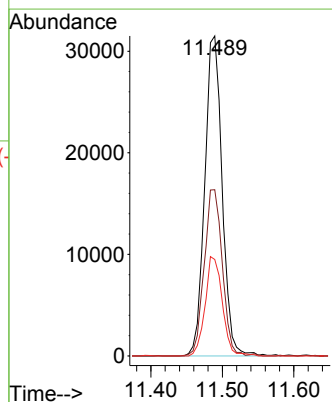
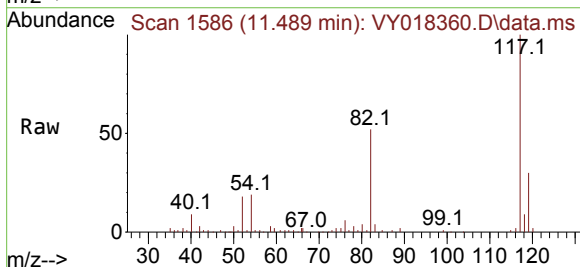
Instrument :
MSVOA_Y
ClientSampleId :

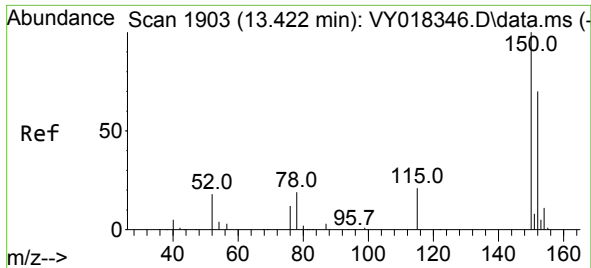
Tgt Ion: 95 Resp: 19096
Ion Ratio Lower Upper
95 100
174 76.2 0.0 175.6
176 71.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018360.D
Acq: 23 May 2024 15:09

Tgt Ion: 117 Resp: 53318
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 30.2 25.9 38.9

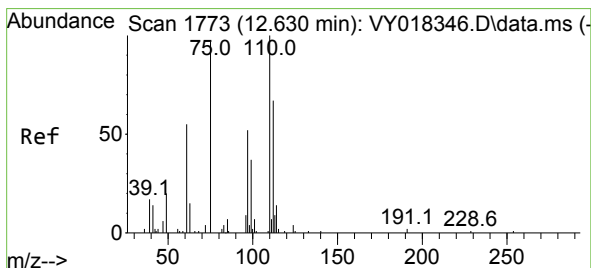
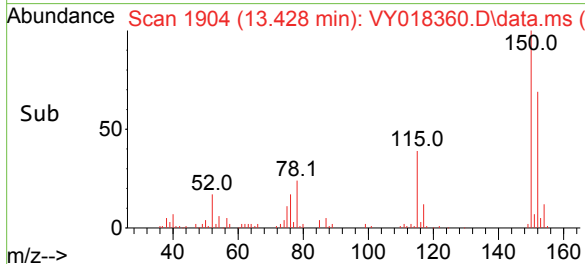
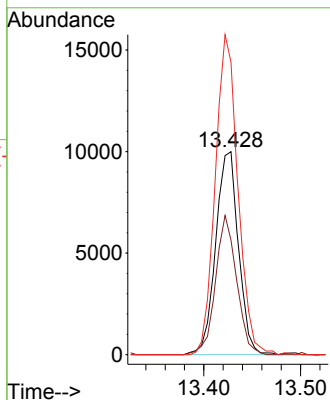
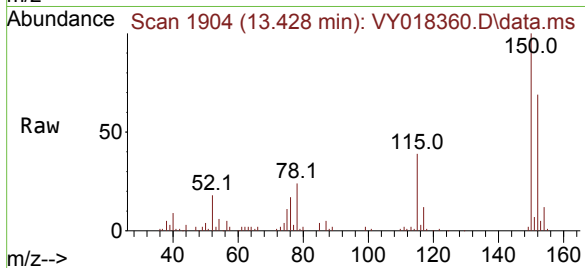




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY018360.D
 Acq: 23 May 2024 15:09

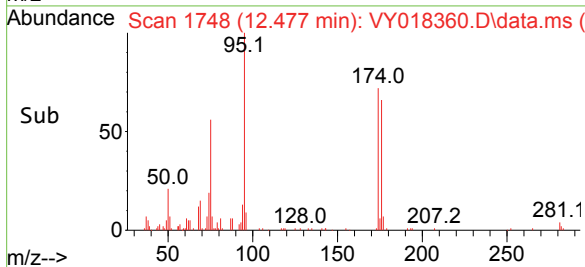
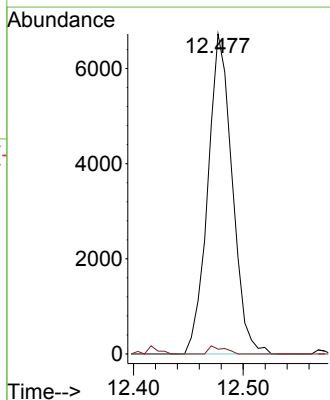
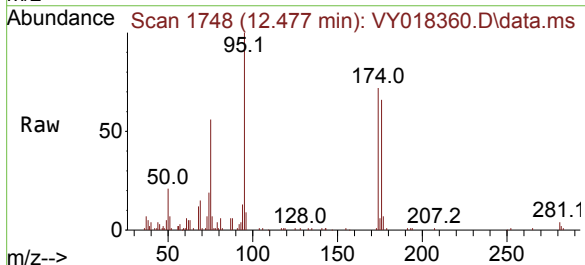
Instrument :
 MSVOA_Y
 ClientSampleId :

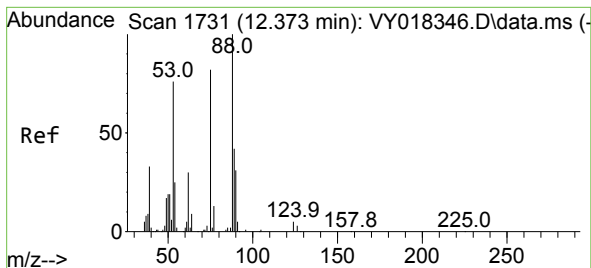
Tgt Ion:152 Resp: 16339
 Ion Ratio Lower Upper
 152 100
 115 63.4 28.2 84.7
 150 157.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 70.915 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY018360.D
 Acq: 23 May 2024 15:09

Tgt Ion: 75 Resp: 10414
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

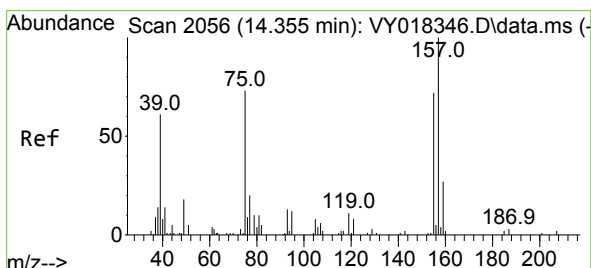
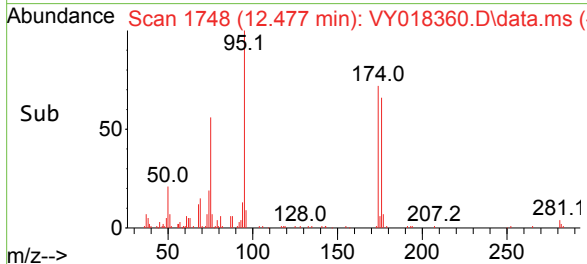
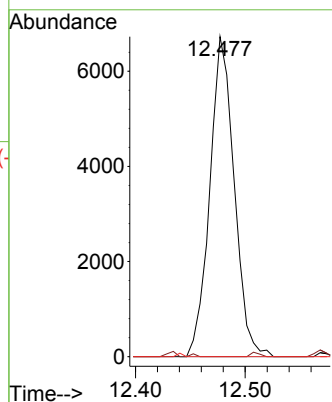
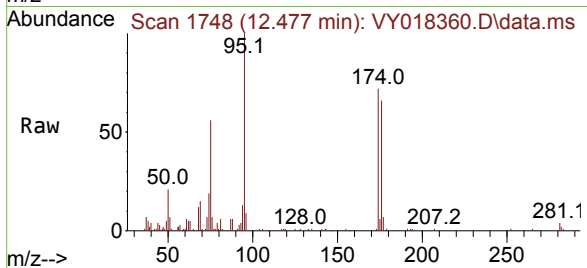




#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.908 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018360.D
 Acq: 23 May 2024 15:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 10414
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.132 ug/l
 RT: 14.306 min Scan# 2048
 Delta R.T. -0.049 min
 Lab File: VY018360.D
 Acq: 23 May 2024 15:09

Tgt Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#

