

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060724\
 Data File : VY018526.D
 Acq On : 07 Jun 2024 14:50
 Operator : SY/MD
 Sample : P2707-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 23:13:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

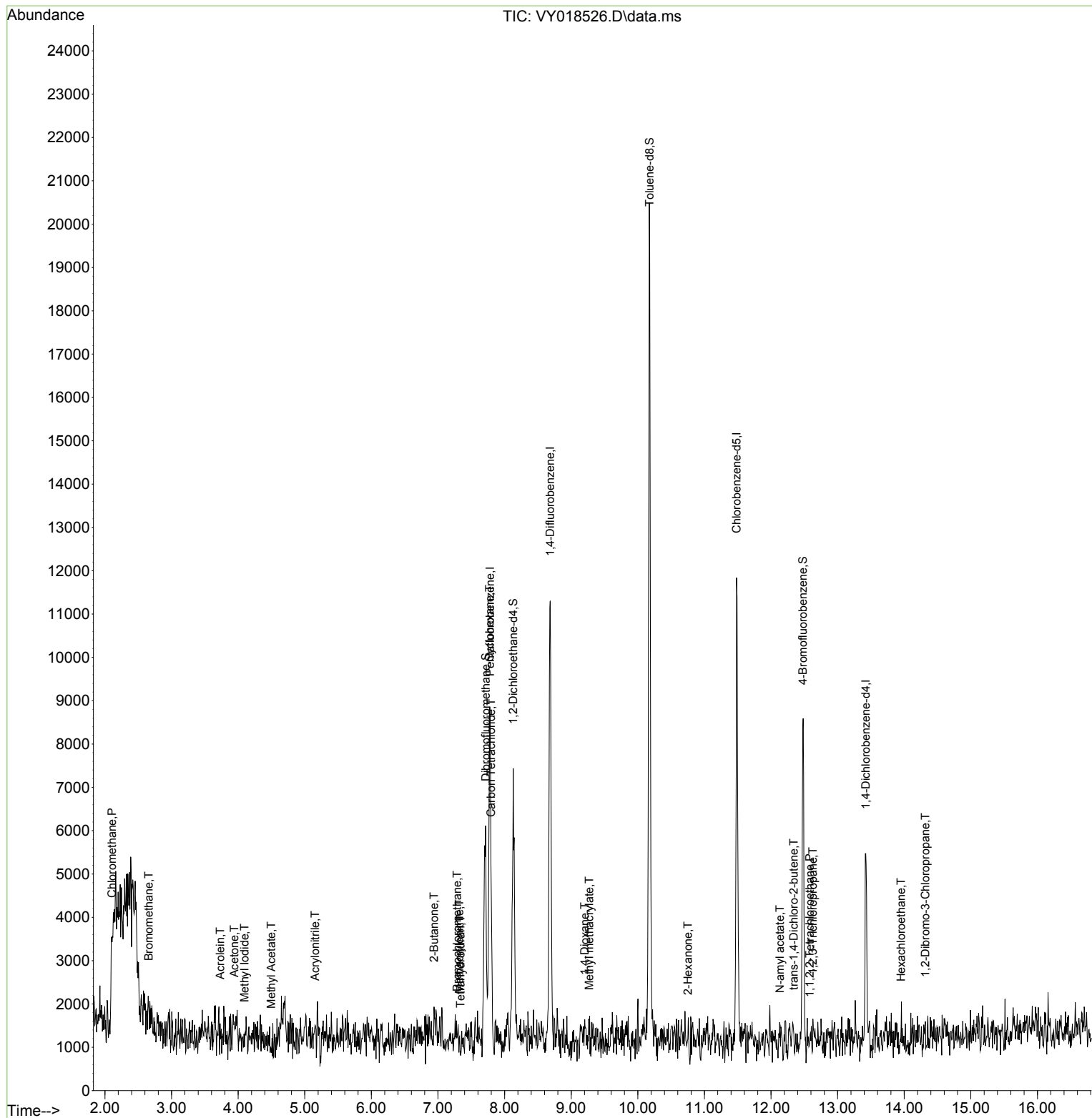
Internal Standards						
1) Pentafluorobenzene	7.783	168	5518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	8316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	5498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	4174	38.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.040%
35) Dibromofluoromethane	7.716	113	3319	31.474	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.940%
50) Toluene-d8	10.179	98	12292	29.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	58.600%
62) 4-Bromofluorobenzene	12.477	95	2263	17.325	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	34.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	391	2.392	ug/l	90
5) Bromomethane	2.656	94	243	1.863	ug/l #	61
10) Methyl Iodide	4.094	142	217	1.876	ug/l #	42
11) Tert butyl alcohol	4.942	59	26	Below Cal	#	88
13) Acrolein	3.729	56	97	8.745	ug/l #	15
15) Acrylonitrile	5.155	53	109	3.916	ug/l #	63
16) Acetone	3.942	43	231	9.604	ug/l	99
18) Methyl Acetate	4.497	43	85	1.413	ug/l #	46
25) 2-Butanone	6.941	43	107	2.904	ug/l #	41
28) Bromochloromethane	7.289	49	125	1.261	ug/l #	6
29) Tetrahydrofuran	7.338	42	69	2.884	ug/l #	26
31) Cyclohexane	7.777	56	240	1.188	ug/l #	39
38) Carbon Tetrachloride	7.795	117	283	1.756	ug/l #	13
41) Methacrylonitrile	7.319	41	154	3.942	ug/l #	26
48) Methyl methacrylate	9.270	41	76	1.100	ug/l #	25
49) 1,4-Dioxane	9.203	88	20	24.110	ug/l #	20
59) 2-Hexanone	10.752	43	79	1.466	ug/l	76
74) N-amyl acetate	12.136	43	163	4.965	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.581	83	52	2.190	ug/l #	1
76) 1,2,3-Trichloropropane	12.629	75	74	4.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.343	75	50	6.482	ug/l #	64
90) Hexachloroethane	13.952	117	66	3.050	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.318	75	21	5.812	ug/l #	1

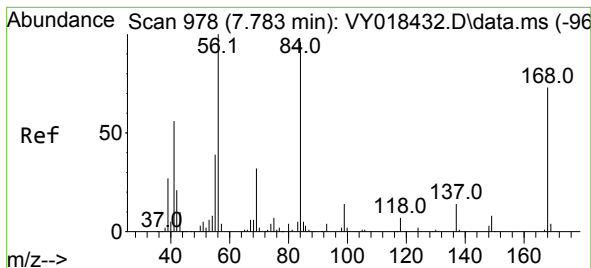
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 07:11:56 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY018526.D

Acq: 07 Jun 2024 14:50

Instrument :

MSVOA_Y

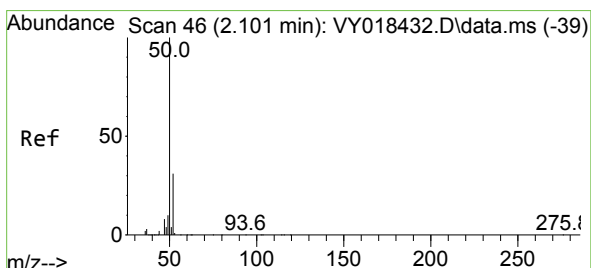
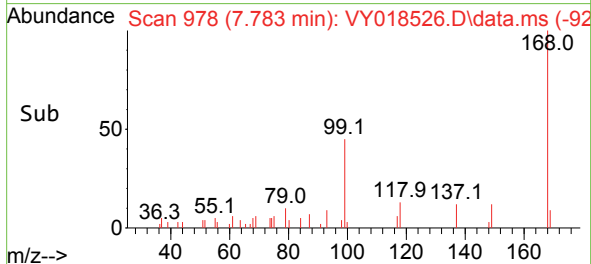
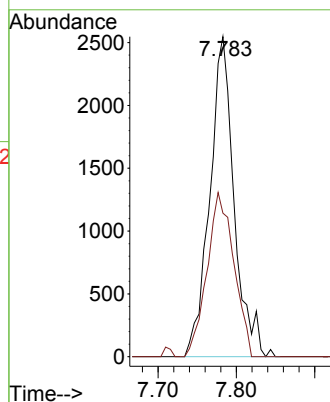
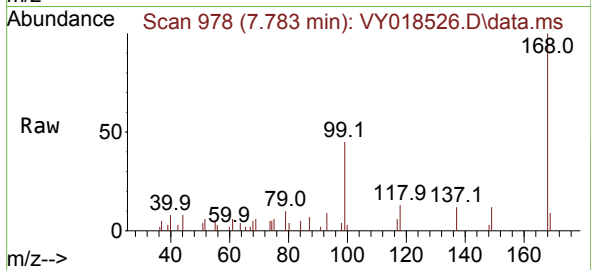
ClientSampleId :

Tgt Ion:168 Resp: 5518

Ion Ratio Lower Upper

168 100

99 44.8 39.1 58.7



#3

Chloromethane

Concen: 2.392 ug/l

RT: 2.107 min Scan# 47

Delta R.T. 0.006 min

Lab File: VY018526.D

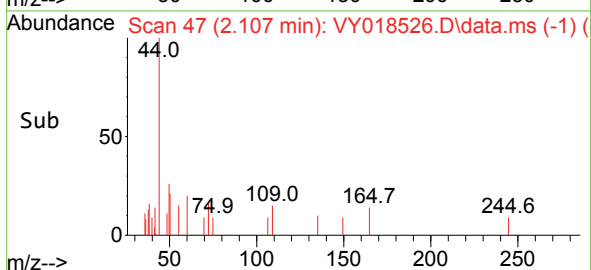
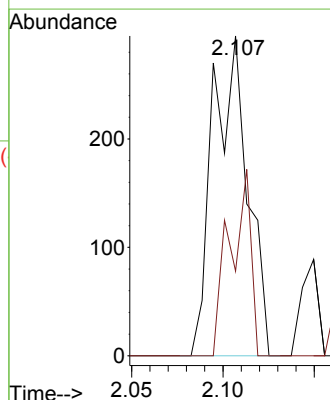
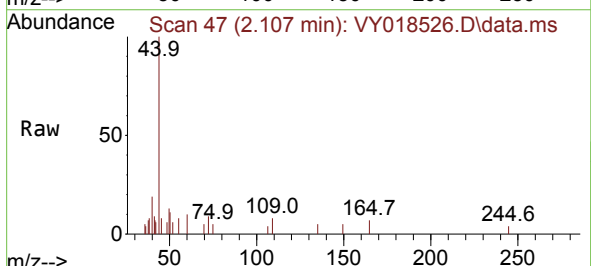
Acq: 07 Jun 2024 14:50

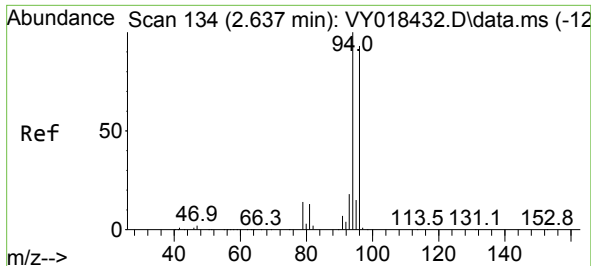
Tgt Ion: 50 Resp: 391

Ion Ratio Lower Upper

50 100

52 26.4 25.6 38.4

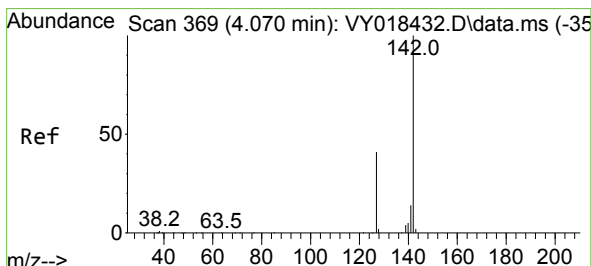
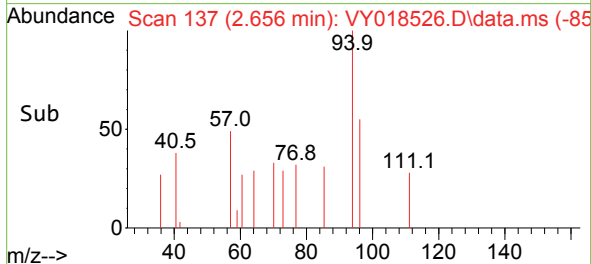
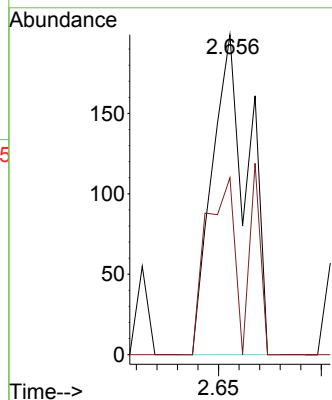
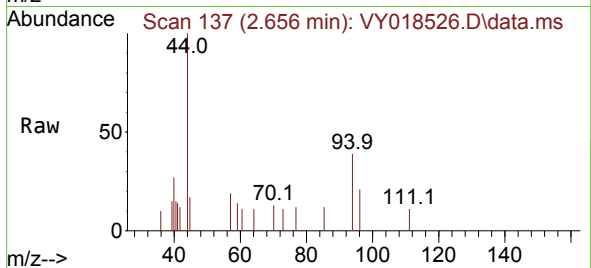




#5
Bromomethane
Concen: 1.863 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

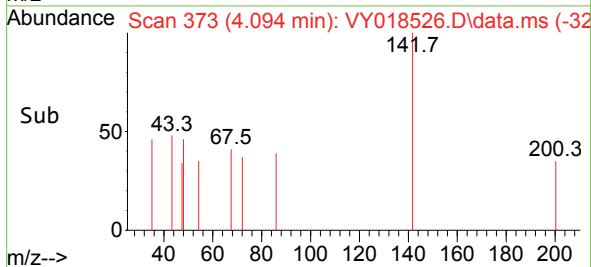
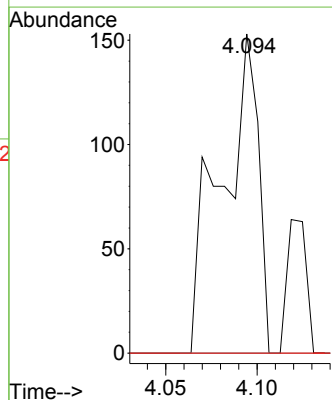
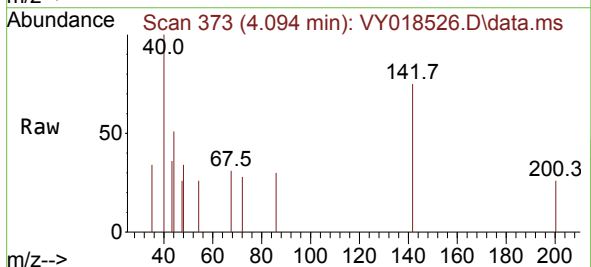
Instrument :
MSVOA_Y
ClientSampleId :

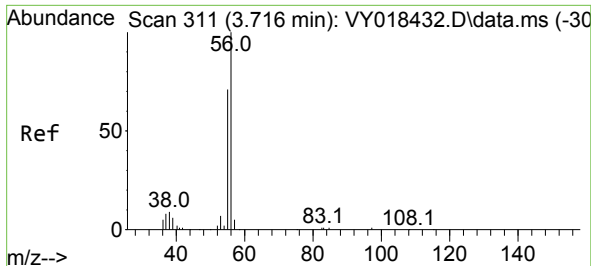
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 55.3 74.1 111.1#



#10
Methyl Iodide
Concen: 1.876 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.024 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 8.745 ug/l

RT: 3.729 min Scan# 311

Delta R.T. 0.013 min

Lab File: VY018526.D

Acq: 07 Jun 2024 14:50

Instrument :

MSVOA_Y

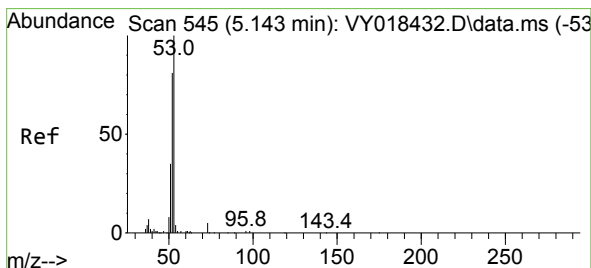
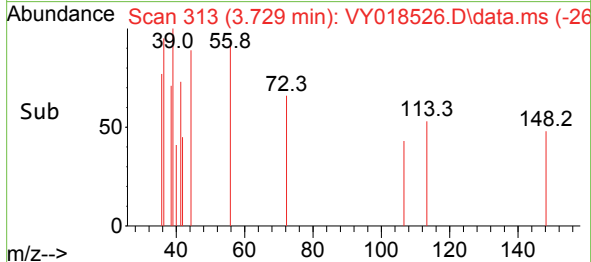
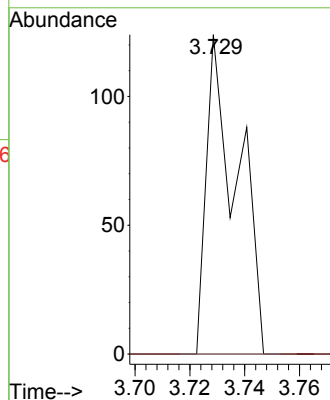
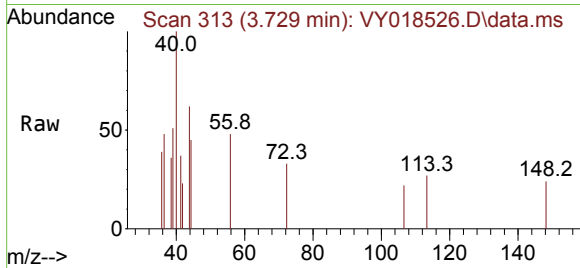
ClientSampleId :

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#15

Acrylonitrile

Concen: 3.916 ug/l

RT: 5.155 min Scan# 547

Delta R.T. 0.012 min

Lab File: VY018526.D

Acq: 07 Jun 2024 14:50

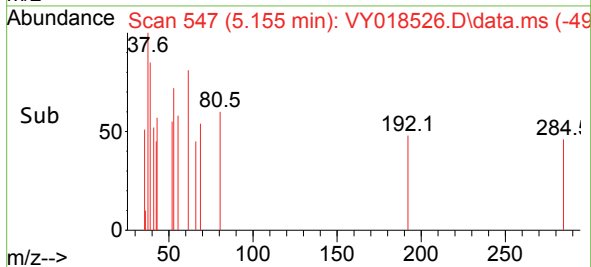
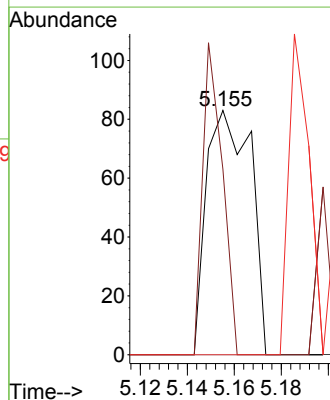
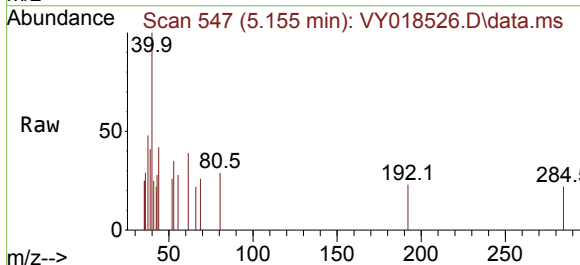
Tgt Ion: 53 Resp: 109

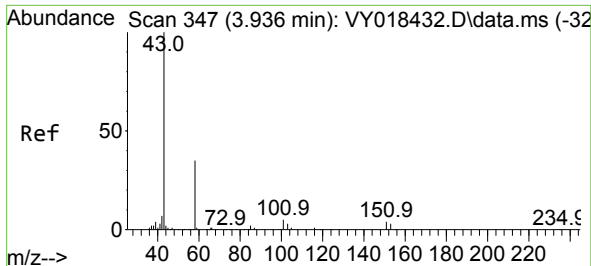
Ion Ratio Lower Upper

53 100

52 56.9 64.7 97.1#

51 0.0 28.4 42.6#

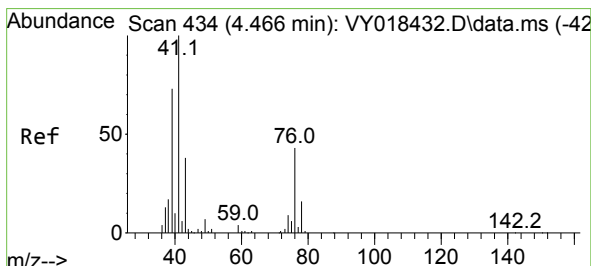
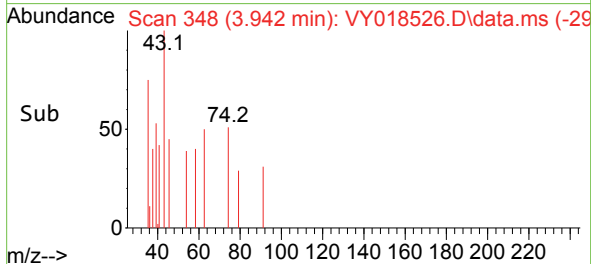
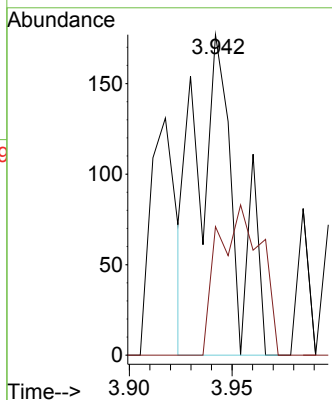
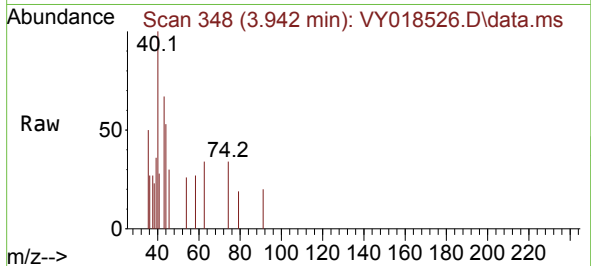




#16
Acetone
Concen: 9.604 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

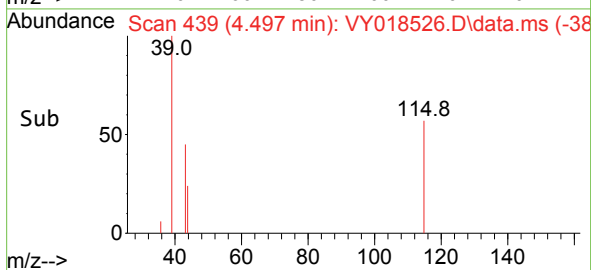
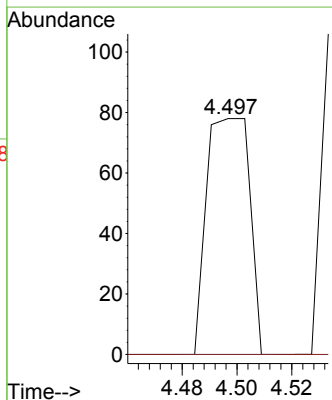
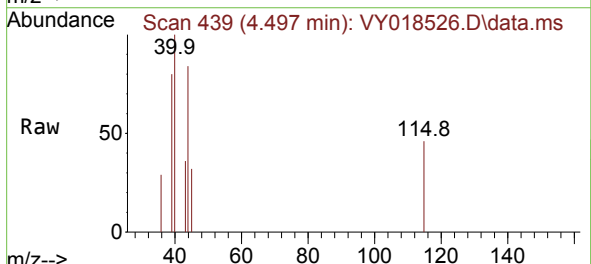
Instrument :
MSVOA_Y
ClientSampleId :

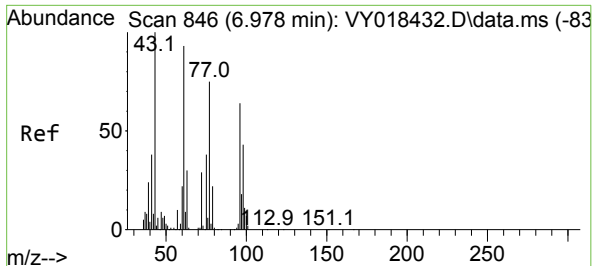
Tgt Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5



#18
Methyl Acetate
Concen: 1.413 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.030 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

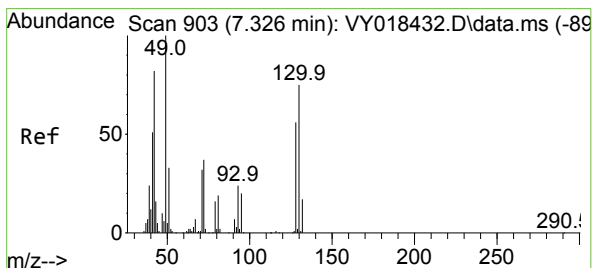
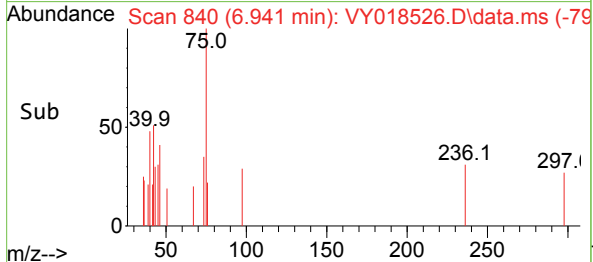
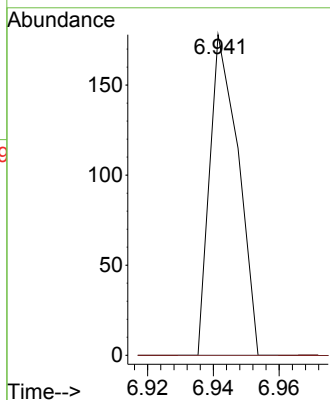
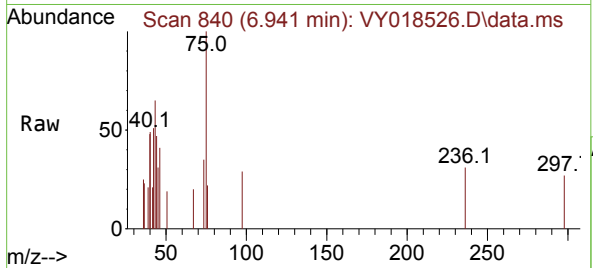




#25
2-Butanone
Concen: 2.904 ug/l
RT: 6.941 min Scan# 846
Delta R.T. -0.037 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

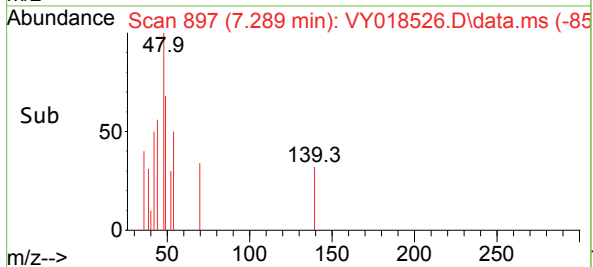
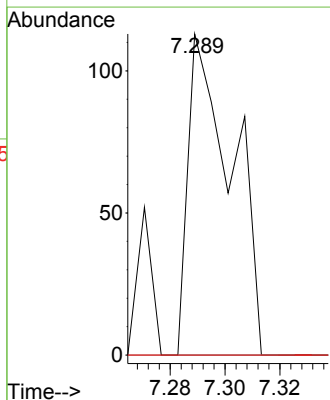
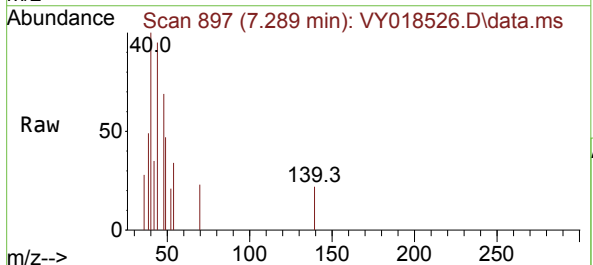
Instrument :
MSVOA_Y
ClientSampleId :

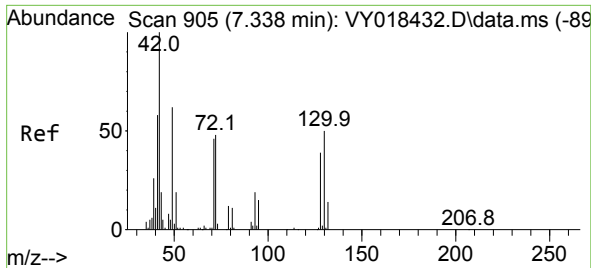
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#28
Bromochloromethane
Concen: 1.261 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.037 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

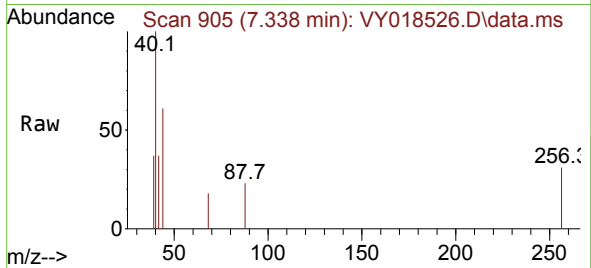
Tgt Ion: 49 Resp: 125
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 72.7 109.1#



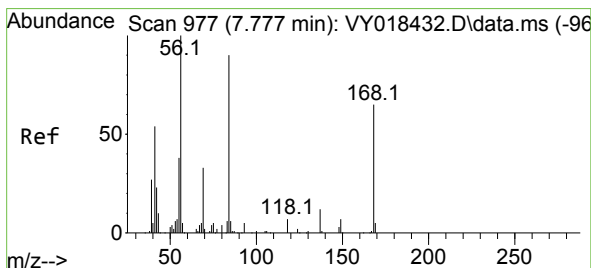
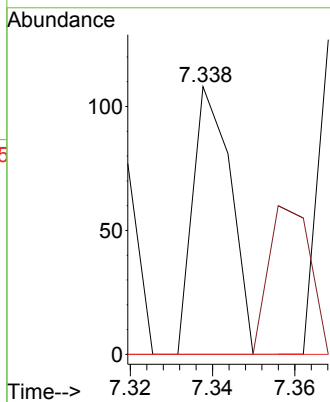
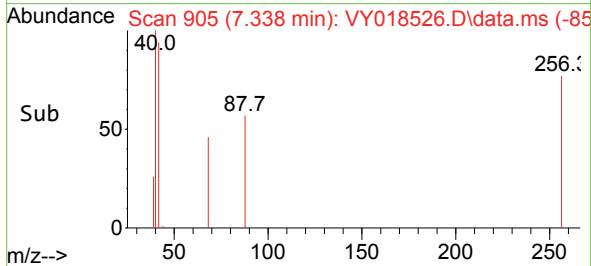


#29
Tetrahydrofuran
Concen: 2.884 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

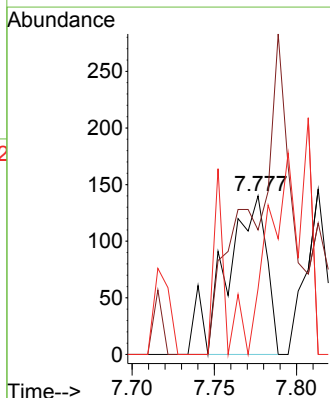
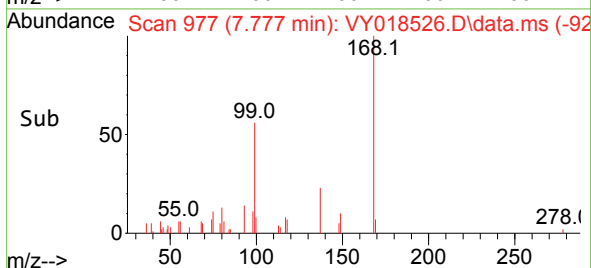
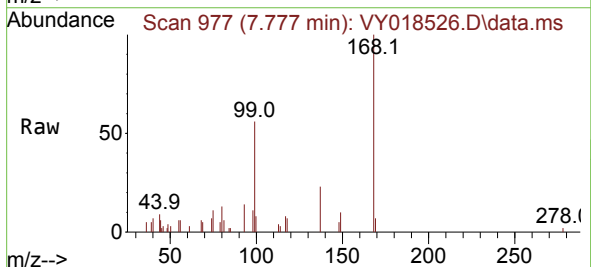


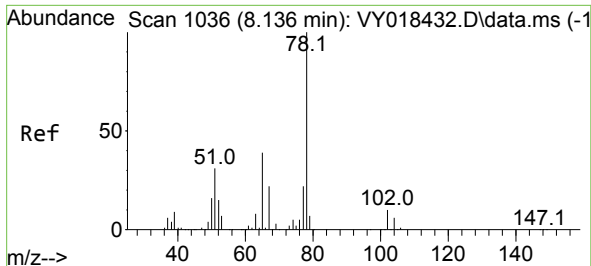
Tgt Ion: 42 Resp: 69
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
69 78.6 28.7 43.1#
84 41.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 38.518 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018526.D

Acq: 07 Jun 2024 14:50

Instrument :

MSVOA_Y

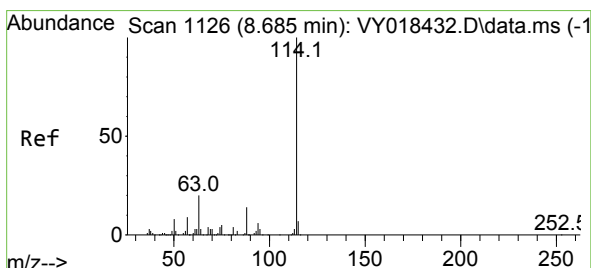
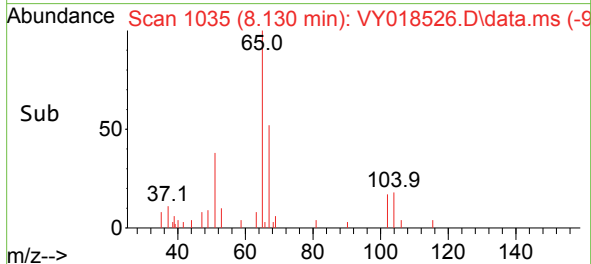
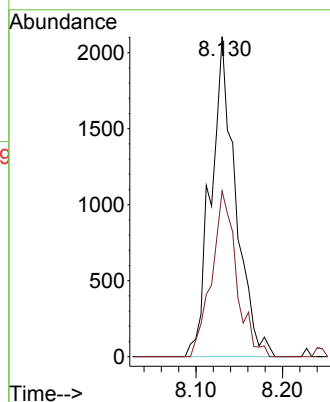
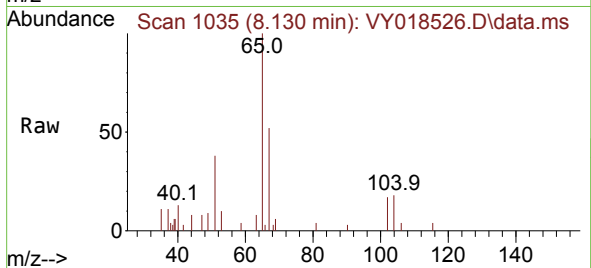
ClientSampleId :

Tgt Ion: 65 Resp: 4174

Ion Ratio Lower Upper

65 100

67 52.1 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: VY018526.D

Acq: 07 Jun 2024 14:50

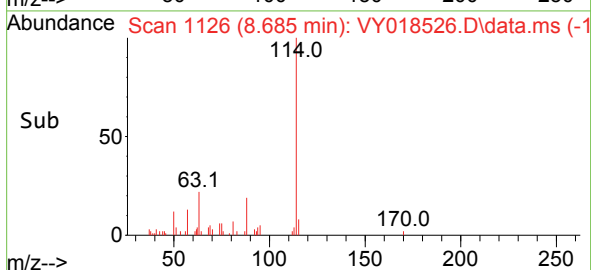
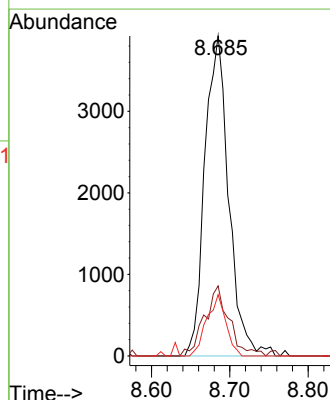
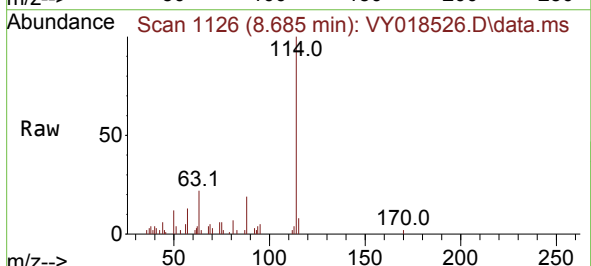
Tgt Ion: 114 Resp: 8316

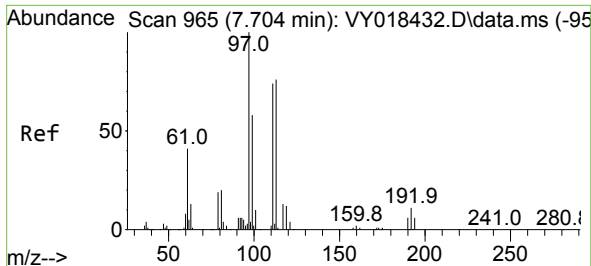
Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.0

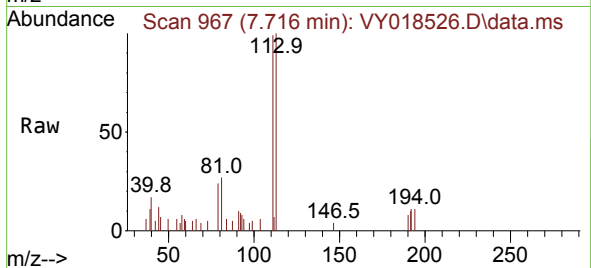
88 19.1 0.0 27.2



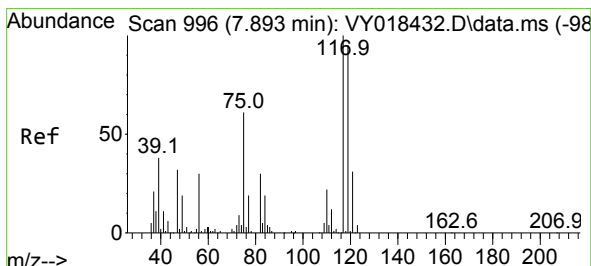
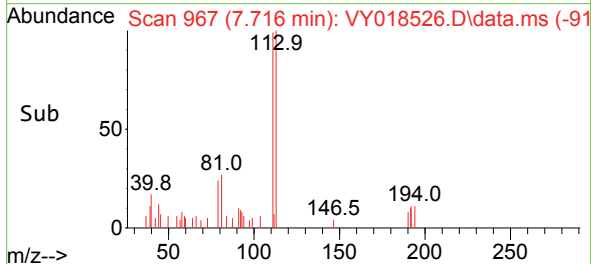
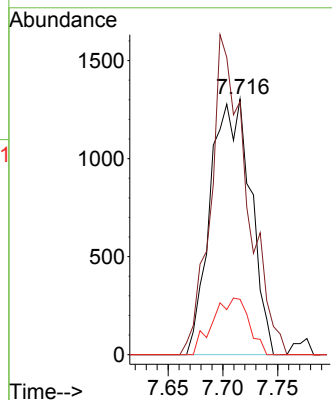


#35
Dibromofluoromethane
Concen: 31.474 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

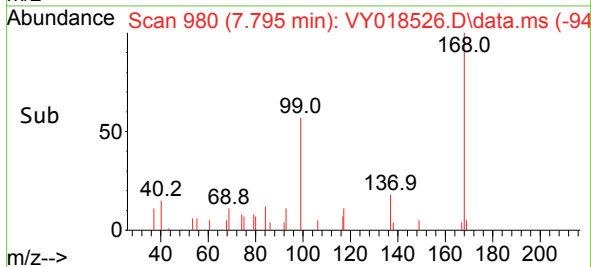
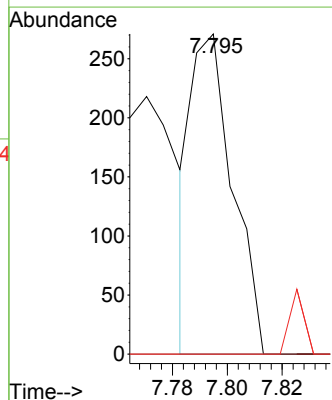
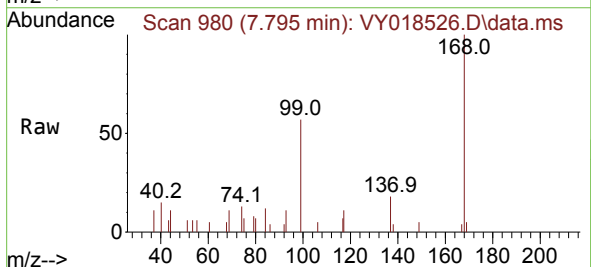


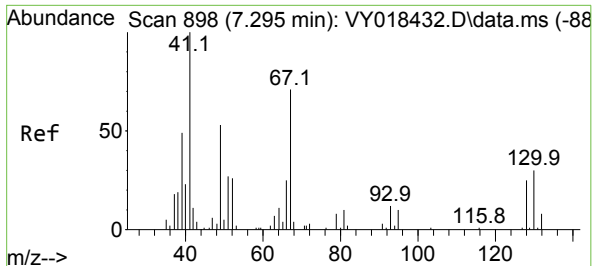
Tgt Ion:113 Resp: 3319
Ion Ratio Lower Upper
113 100
111 111.8 82.2 123.4
192 20.0 15.9 23.9



#38
Carbon Tetrachloride
Concen: 1.756 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.098 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion:117 Resp: 283
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

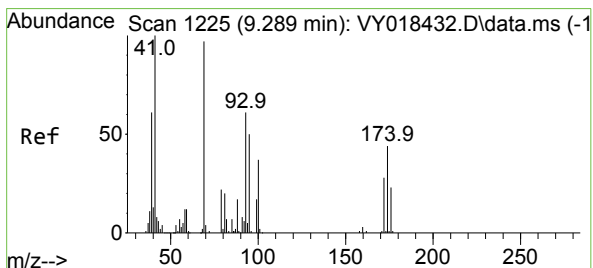
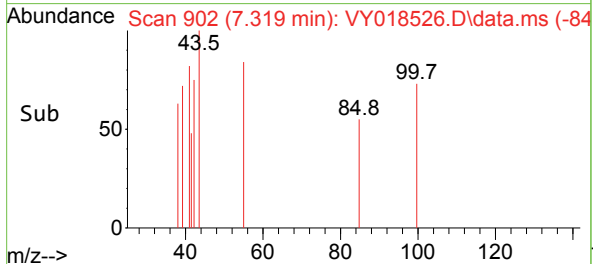
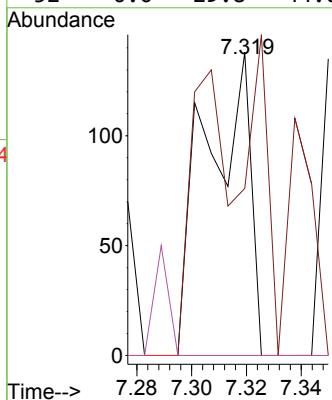
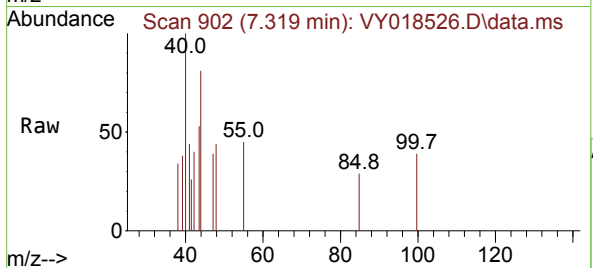




#41
Methacrylonitrile
Concen: 3.942 ug/l
RT: 7.319 min Scan# 902
Delta R.T. 0.024 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

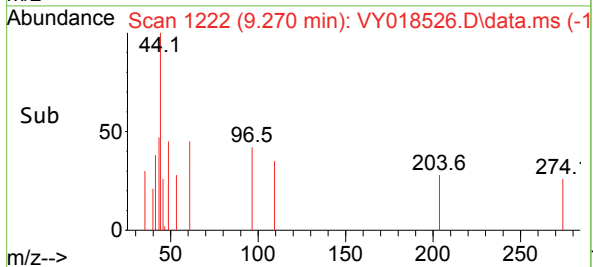
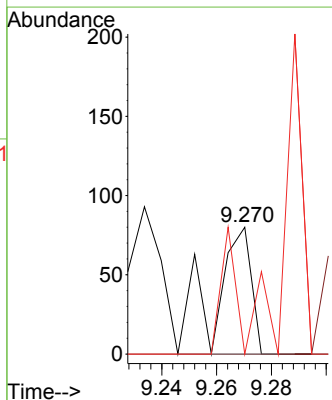
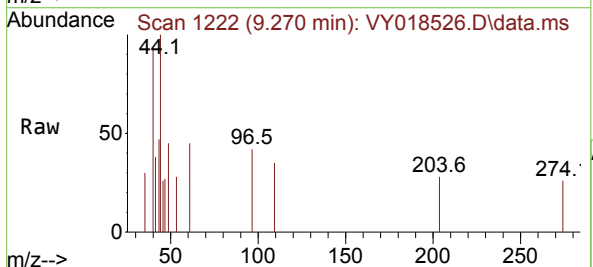
Instrument :
MSVOA_Y
ClientSampleId :

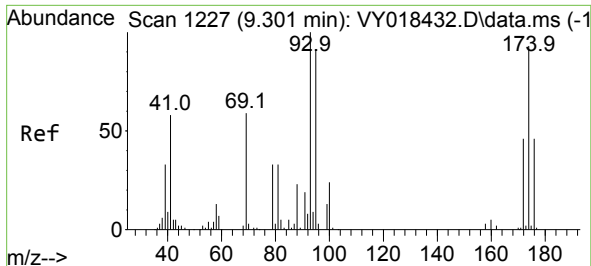
Tgt Ion:	41	Resp:	154
Ion	Ratio	Lower	Upper
41	100		
39	93.5	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.100 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.018 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

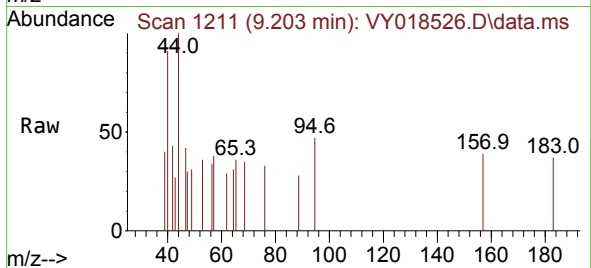
Tgt Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	38.2	43.6	65.4#



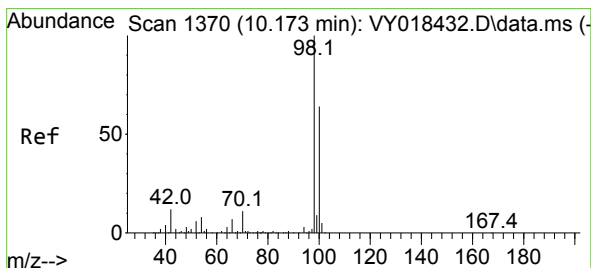
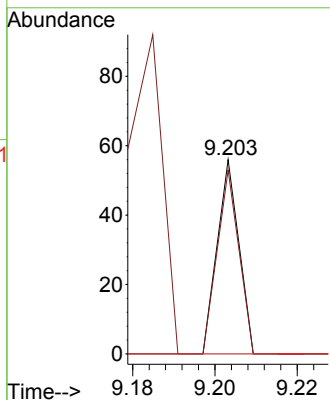
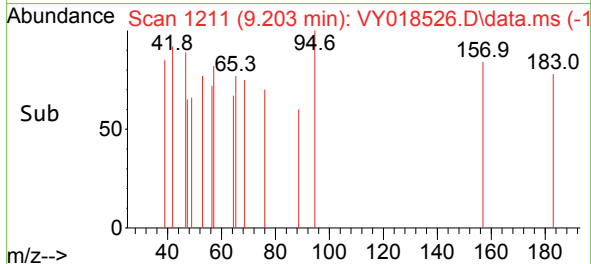


#49
1,4-Dioxane
Concen: 24.110 ug/l
RT: 9.203 min Scan# 11
Delta R.T. -0.098 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

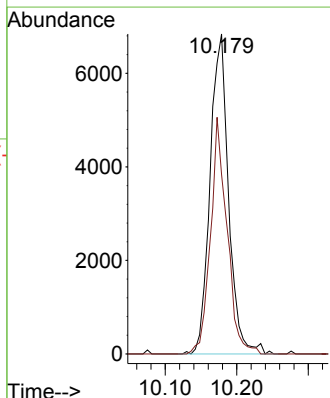
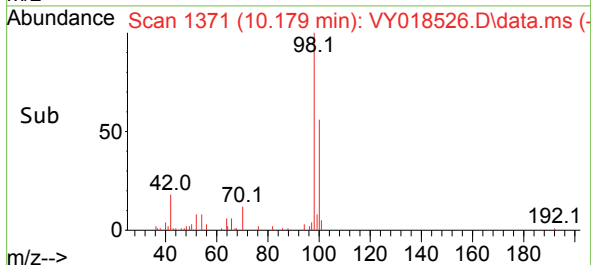
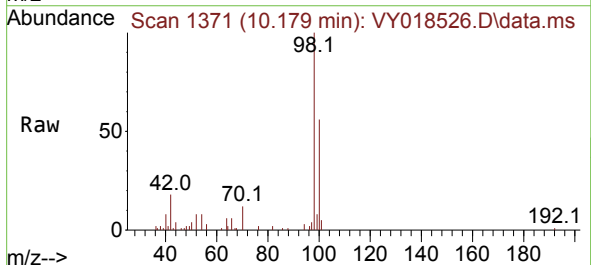


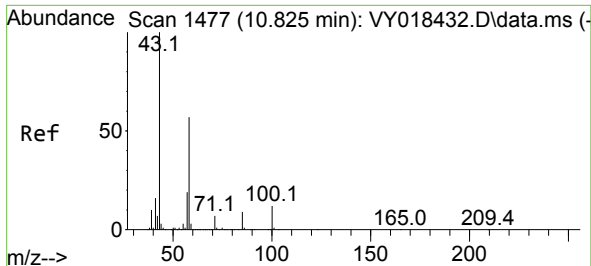
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 95.0 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 29.300 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

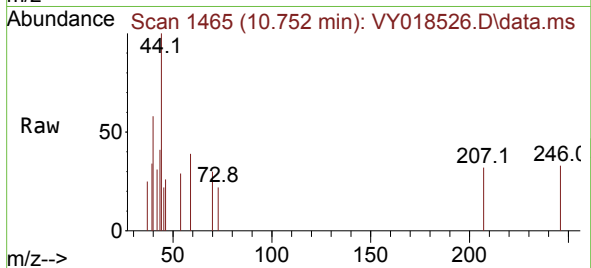
Tgt Ion: 98 Resp: 12292
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



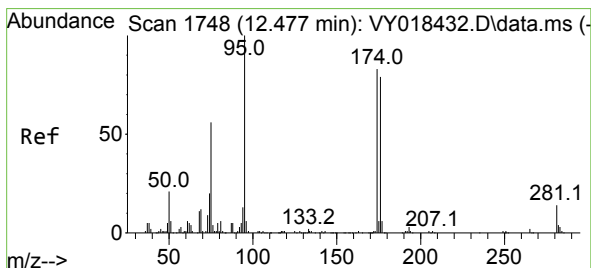
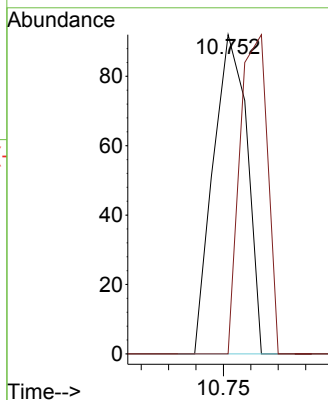
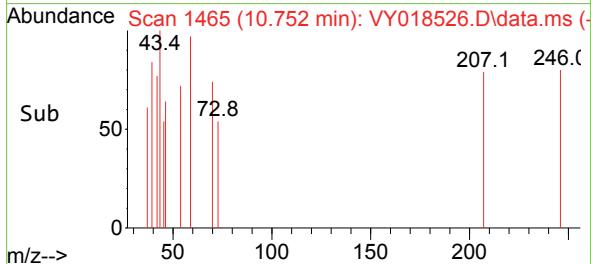


#59
2-Hexanone
Concen: 1.466 ug/l
RT: 10.752 min Scan# 1477
Delta R.T. -0.073 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

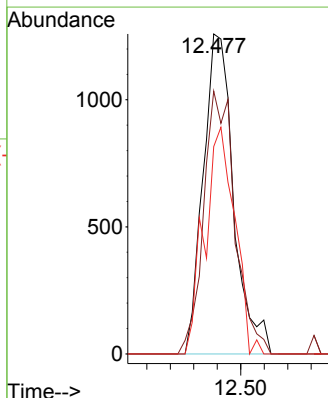
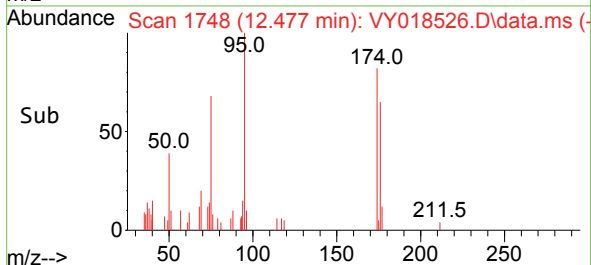
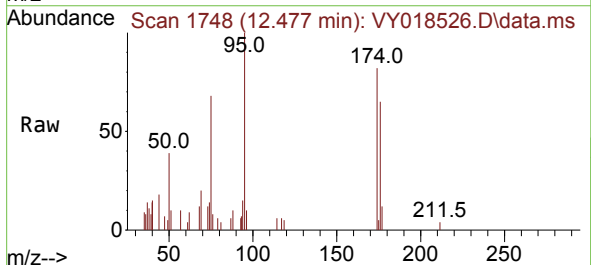


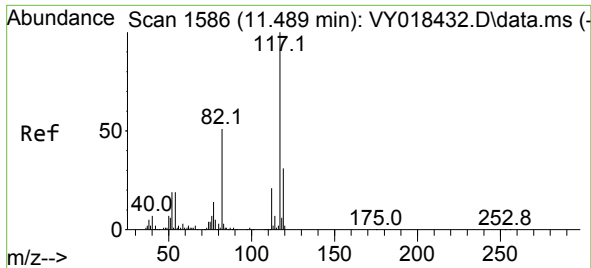
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 81.0 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 17.325 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion: 95 Resp: 2263
Ion Ratio Lower Upper
95 100
174 84.3 0.0 175.6
176 70.6 0.0 171.4

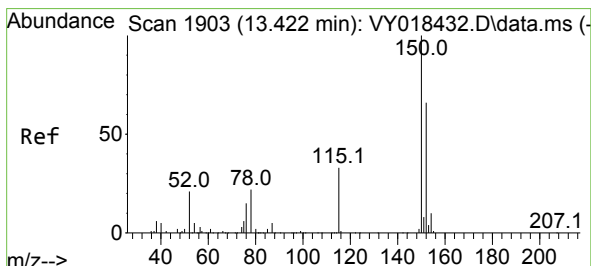
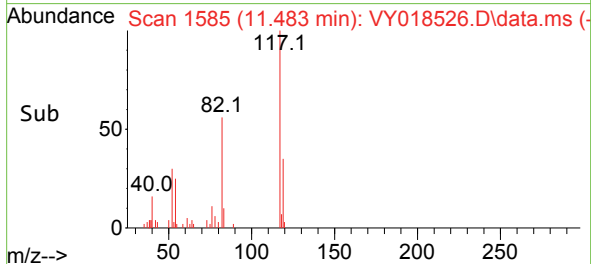
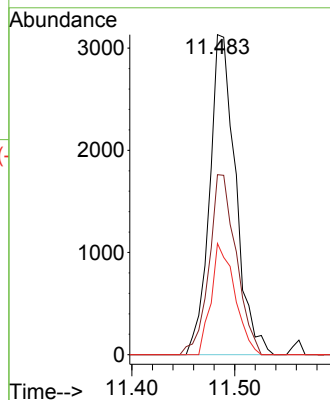
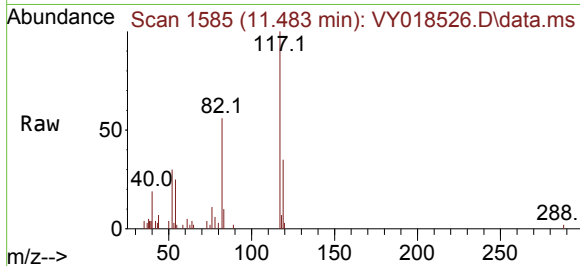




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

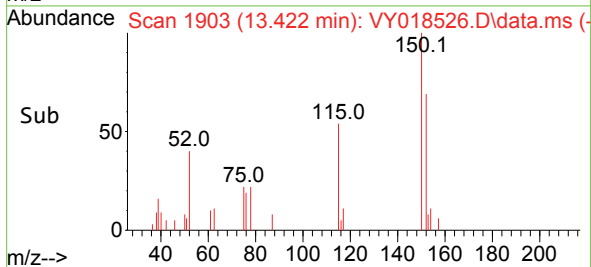
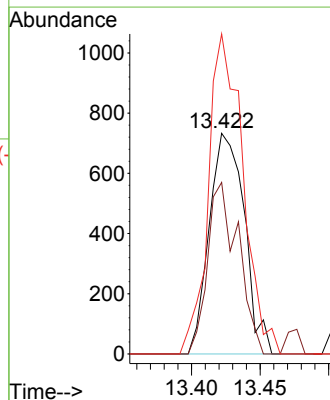
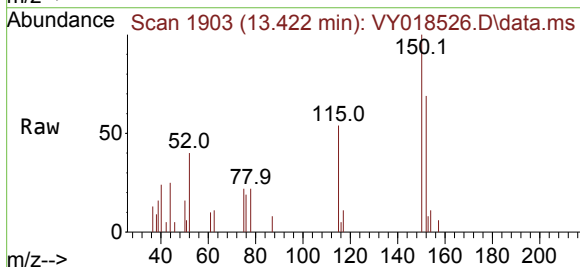
Instrument :
MSVOA_Y
ClientSampleId :

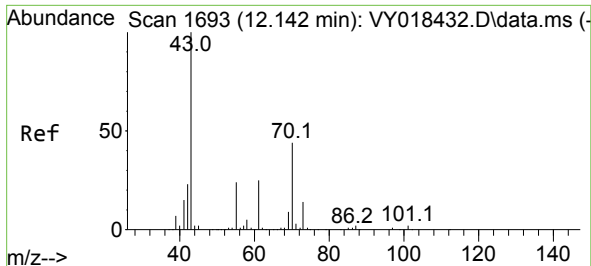
Tgt Ion:117	Resp:	5498
Ion	Ratio	Lower Upper
117	100	
82	56.2	42.4 63.6
119	34.8	25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

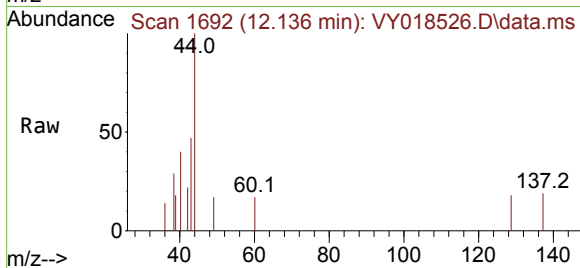
Tgt Ion:152	Resp:	1307
Ion	Ratio	Lower Upper
152	100	
115	67.8	28.2 84.7
150	142.2	0.0 345.6



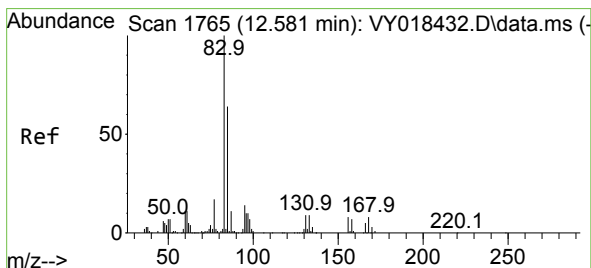
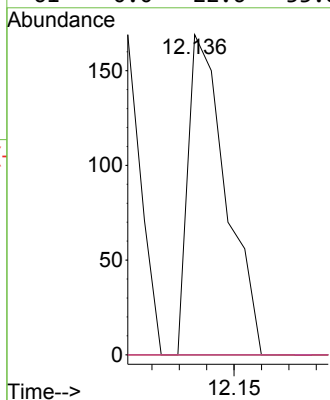
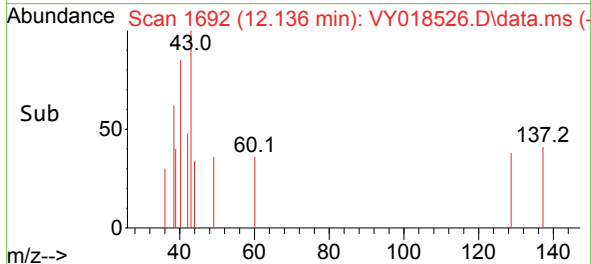


#74
N-amy1 acetate
Concen: 4.965 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

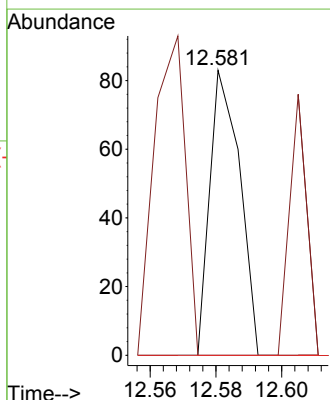
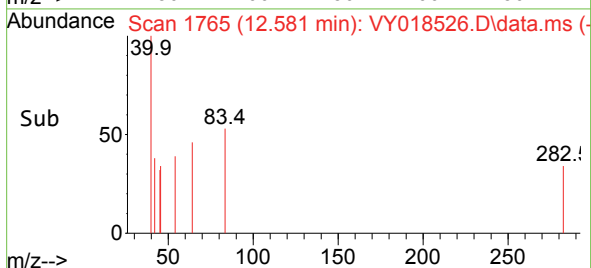
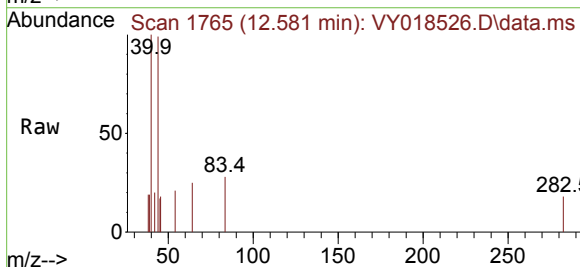


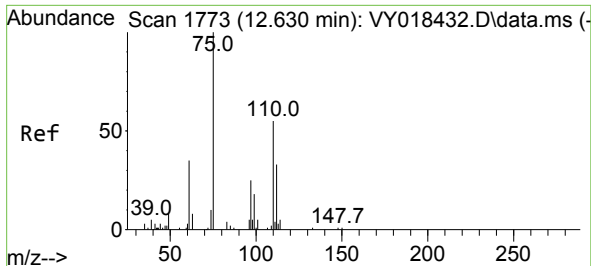
Tgt Ion:	43	Resp:	163
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.2#
55	0.0	23.3	34.9#
61	0.0	22.6	33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.190 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion:	83	Resp:	52
Ion	Ratio	Lower	Upper
83	100		
131	117.3	5.0	14.9#
85	0.0	32.0	96.0#

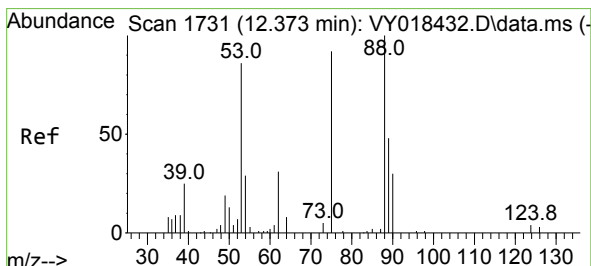
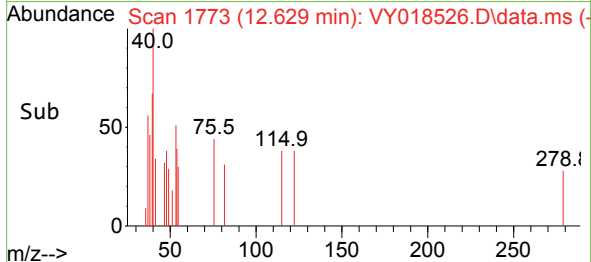
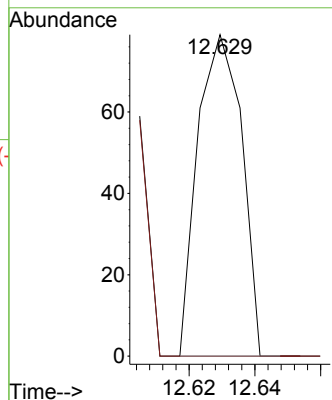
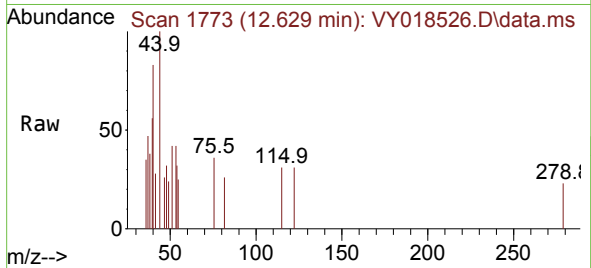




#76
1,2,3-Trichloropropane
Concen: 4.566 ug/l
RT: 12.629 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

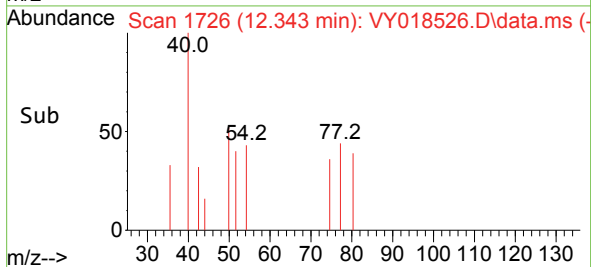
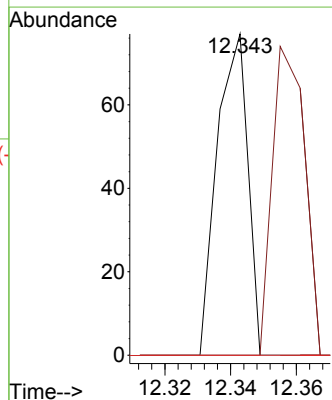
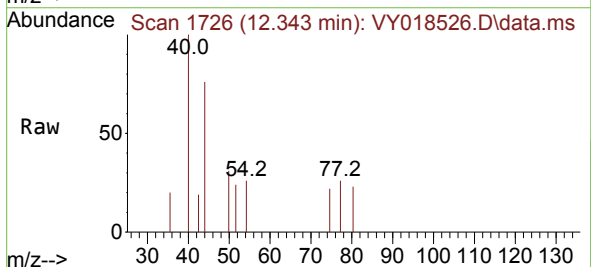
Instrument :
MSVOA_Y
ClientSampleId :

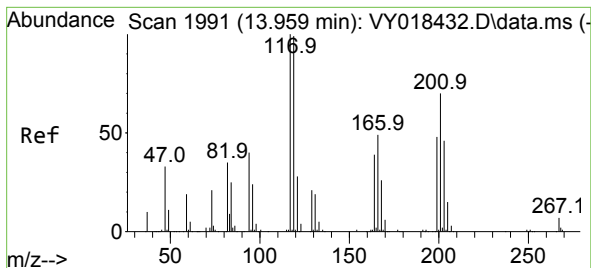
Tgt Ion: 75 Resp: 74
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 6.482 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. -0.031 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
53 100.0 66.8 100.2
89 0.0 35.8 53.6#

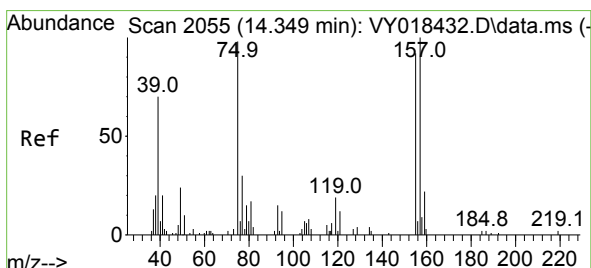
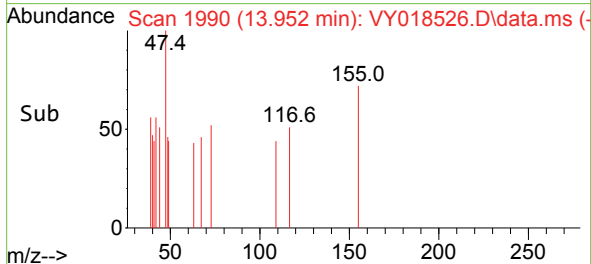
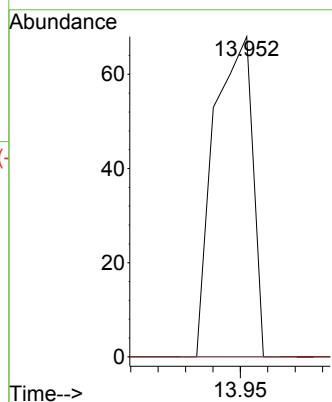
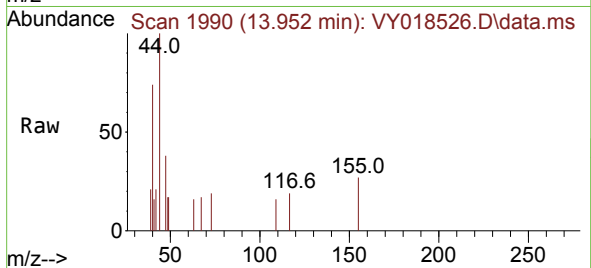




#90
Hexachloroethane
Concen: 3.050 ug/l
RT: 13.952 min Scan# 1990
Delta R.T. -0.006 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 66
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.812 ug/l
RT: 14.318 min Scan# 2050
Delta R.T. -0.031 min
Lab File: VY018526.D
Acq: 07 Jun 2024 14:50

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

