

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060724\
 Data File : VY018525.D
 Acq On : 07 Jun 2024 14:24
 Operator : SY/MD
 Sample : P2707-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 23:12:51 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)

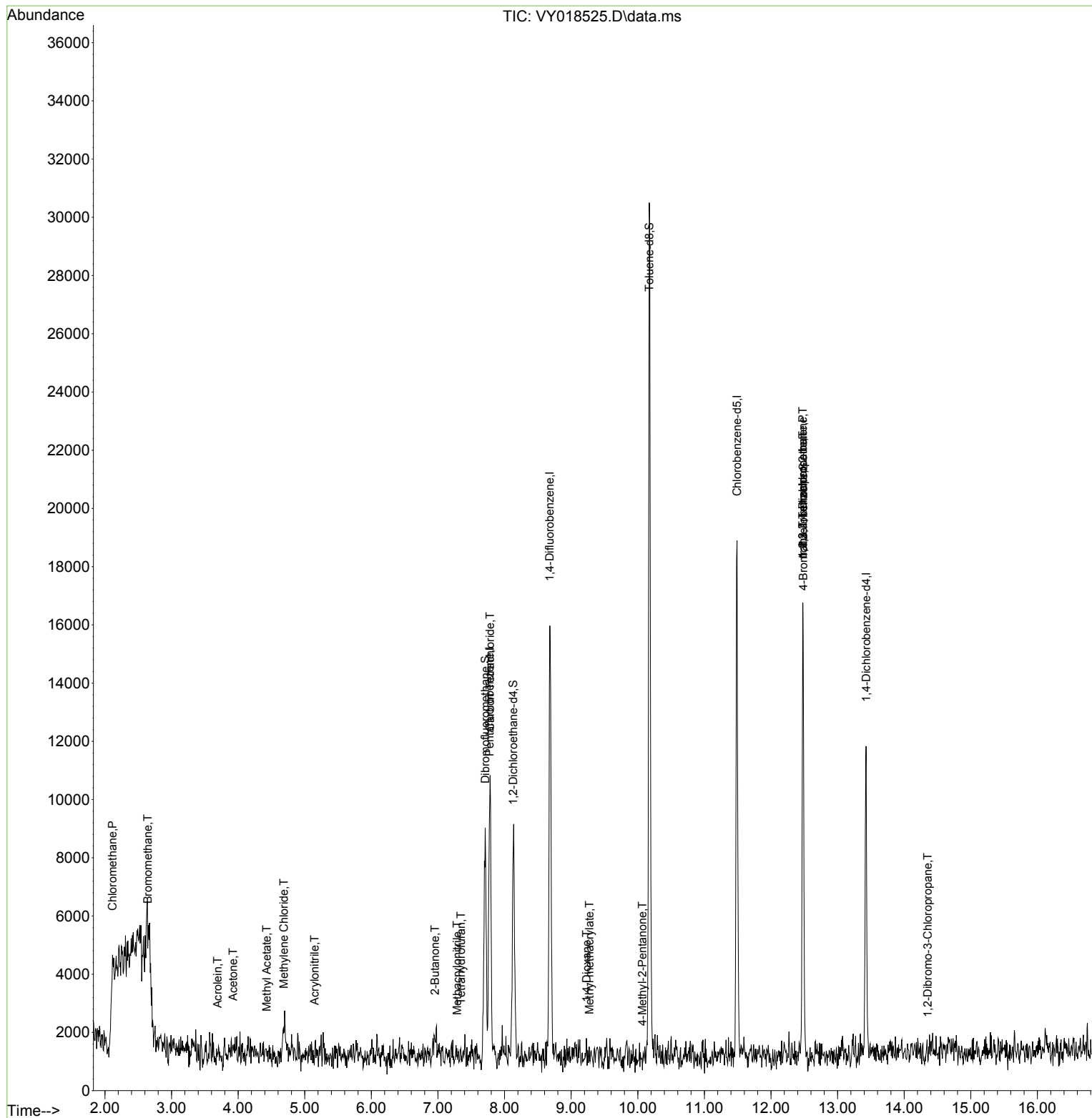
Internal Standards						
1) Pentafluorobenzene	7.777	168	6495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	11676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	5774	45.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.540%
35) Dibromofluoromethane	7.710	113	5077	34.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.580%
50) Toluene-d8	10.173	98	18625	31.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	63.240%
62) 4-Bromofluorobenzene	12.483	95	4553	24.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	49.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	262	1.362	ug/l #	26
5) Bromomethane	2.644	94	463	3.016	ug/l #	45
11) Tert butyl alcohol	4.985	59	21	Below Cal	#	88
13) Acrolein	3.692	56	102	7.813	ug/l #	40
15) Acrylonitrile	5.149	53	47	1.435	ug/l #	1
16) Acetone	3.924	43	312	11.021	ug/l #	36
18) Methyl Acetate	4.430	43	176	2.486	ug/l #	46
20) Methylene Chloride	4.686	84	618	1.047	ug/l #	74
25) 2-Butanone	6.954	43	71	1.637	ug/l #	41
29) Tetrahydrofuran	7.344	42	157	5.574	ug/l #	26
38) Carbon Tetrachloride	7.783	117	710	3.138	ug/l #	13
41) Methacrylonitrile	7.289	41	167	3.044	ug/l #	41
48) Methyl methacrylate	9.277	41	146	1.505	ug/l #	17
49) 1,4-Dioxane	9.234	88	41	35.202	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	147	1.342	ug/l #	31
75) 1,1,2,2-Tetrachloroethane	12.477	83	90	2.269	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	2932	108.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2932	227.456	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31	5.135	ug/l #	1

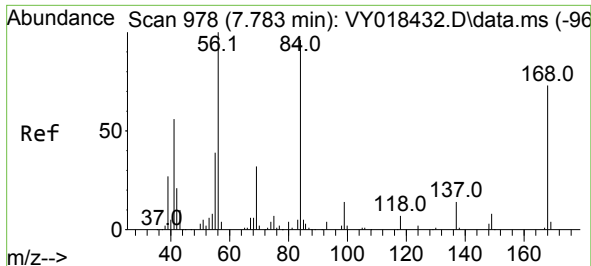
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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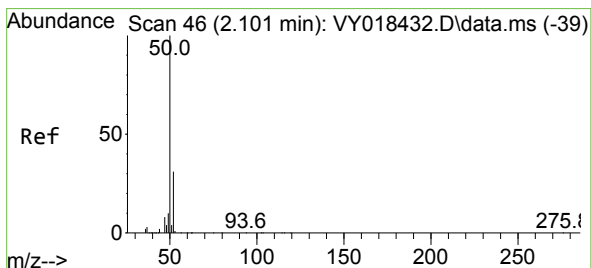
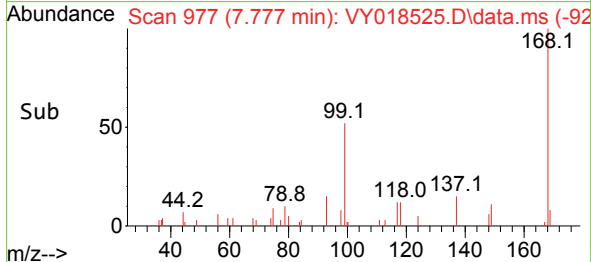
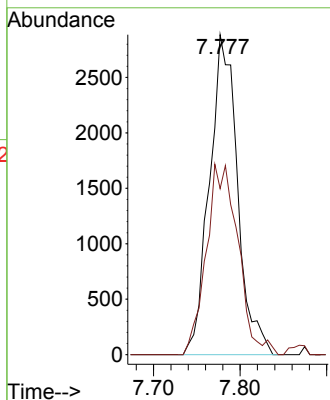
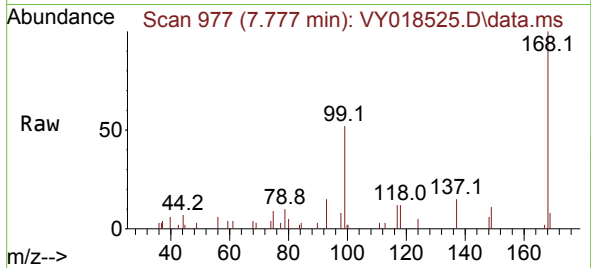




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

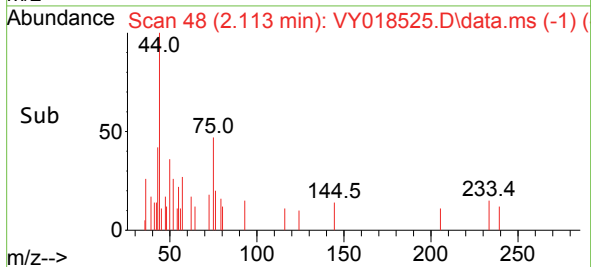
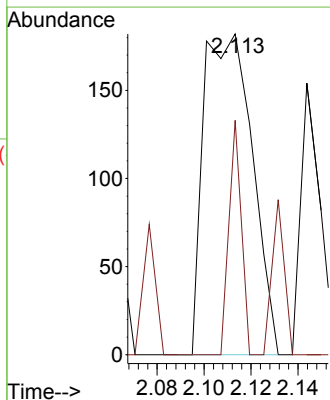
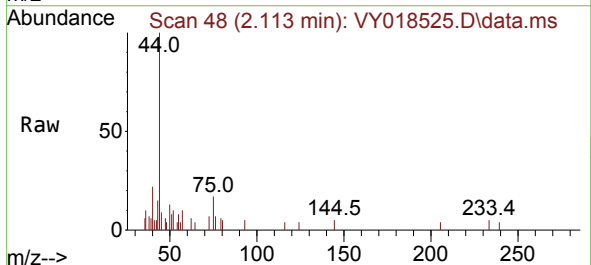
Instrument :
MSVOA_Y
ClientSampleId :

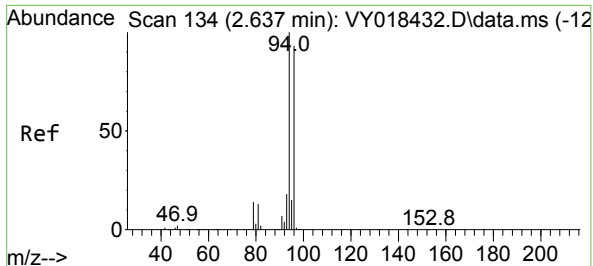
Tgt Ion:168 Resp: 6495
Ion Ratio Lower Upper
168 100
99 51.9 39.1 58.7



#3
Chloromethane
Concen: 1.362 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.012 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

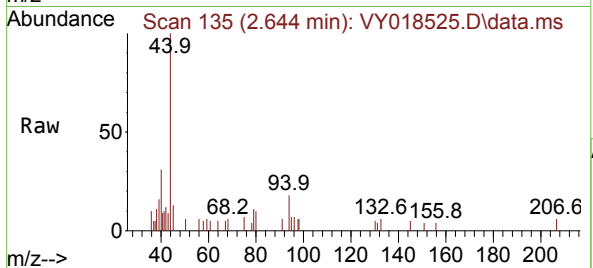
Tgt Ion: 50 Resp: 262
Ion Ratio Lower Upper
50 100
52 73.1 25.6 38.4#



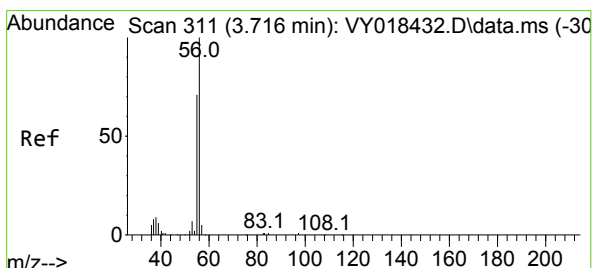
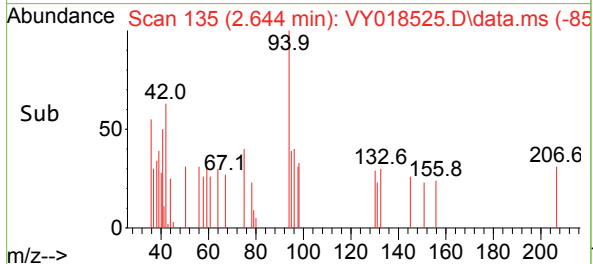
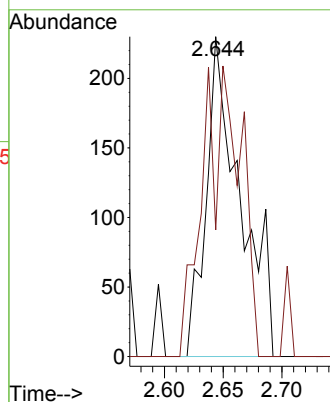


#5
Bromomethane
Concen: 3.016 ug/l
RT: 2.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :

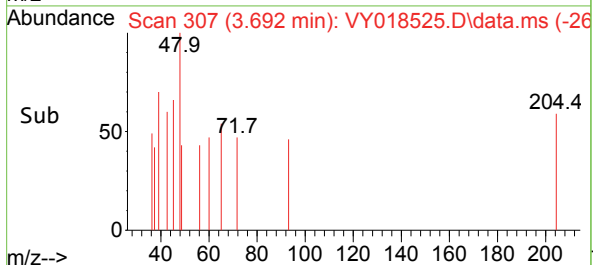
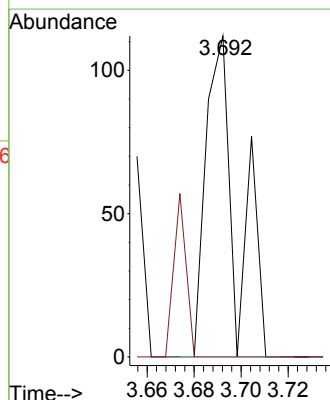
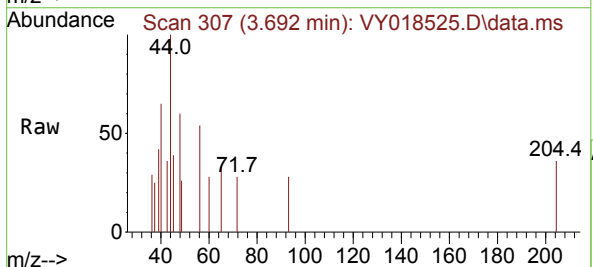


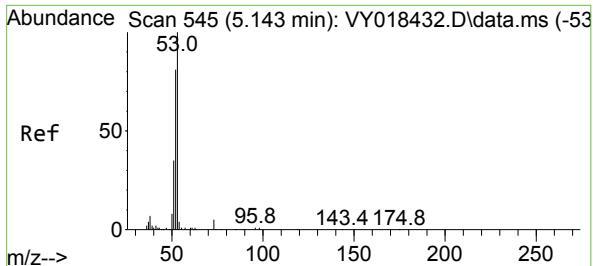
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 39.6 74.1 111.1#



#13
Acrolein
Concen: 7.813 ug/l
RT: 3.692 min Scan# 307
Delta R.T. -0.024 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

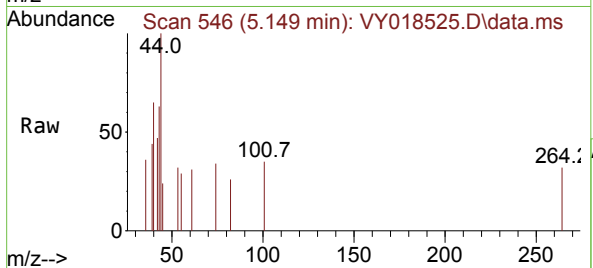
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 20.6 55.7 83.5#



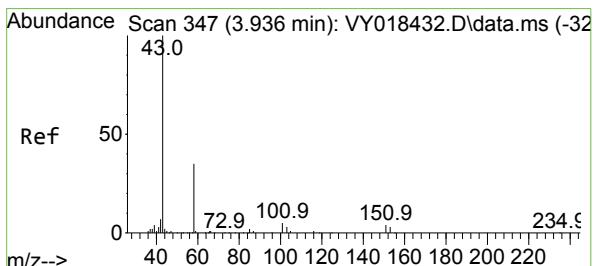
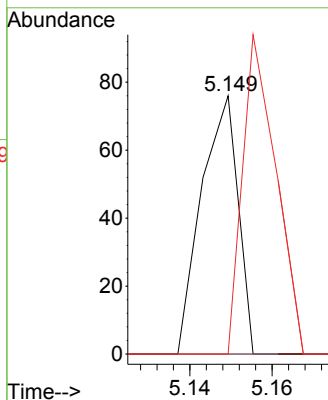
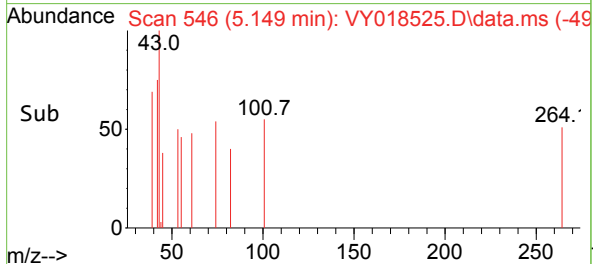


#15
Acrylonitrile
Concen: 1.435 ug/l
RT: 5.149 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :

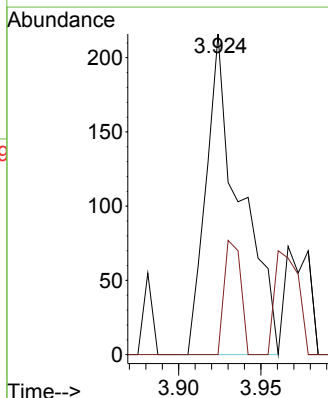
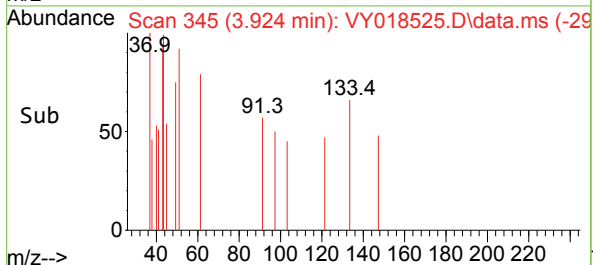
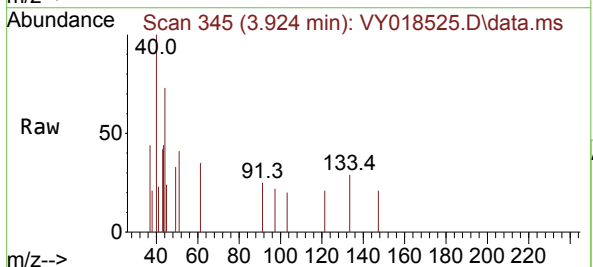


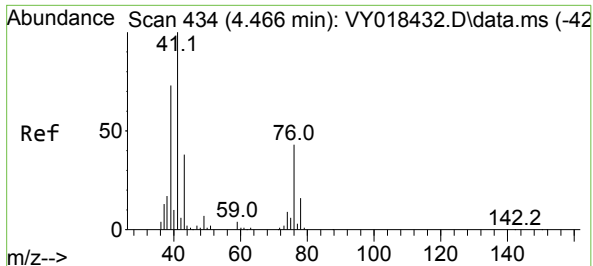
Tgt Ion: 53 Resp: 47
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 112.8 28.4 42.6#



#16
Acetone
Concen: 11.021 ug/l
RT: 3.924 min Scan# 345
Delta R.T. -0.012 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

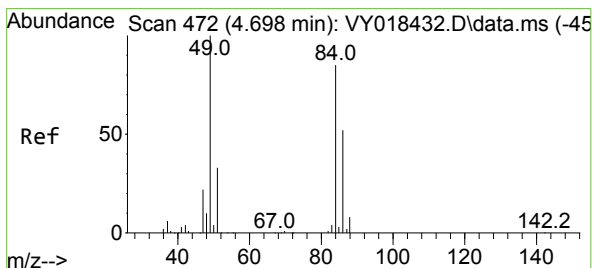
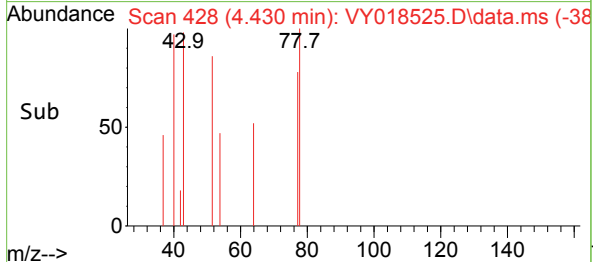
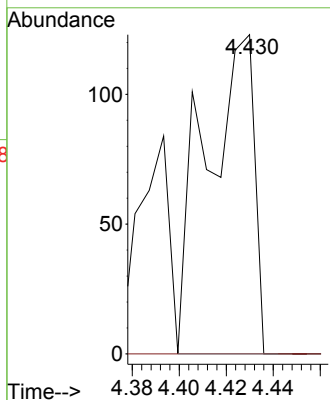
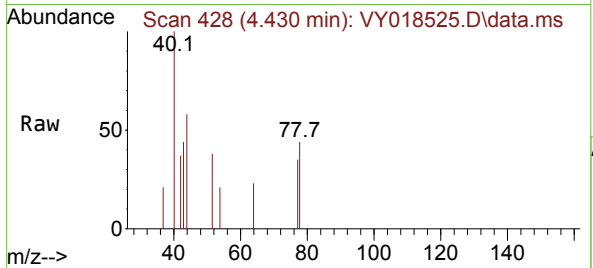




#18
Methyl Acetate
Concen: 2.486 ug/l
RT: 4.430 min Scan# 434
Delta R.T. -0.036 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

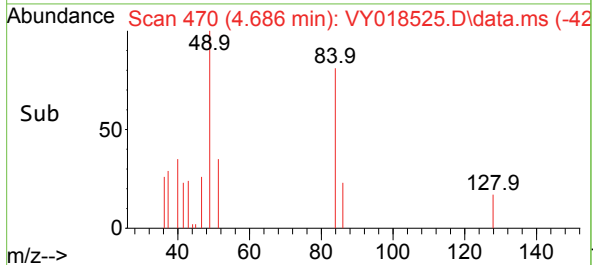
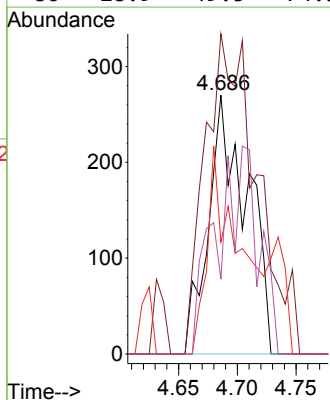
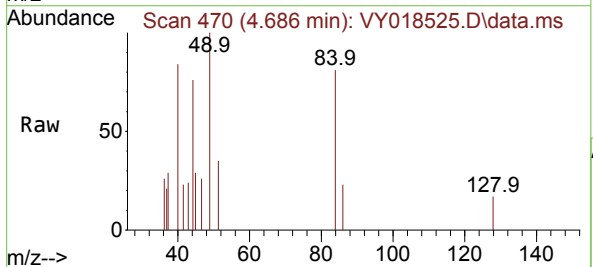
Instrument :
MSVOA_Y
ClientSampleId :

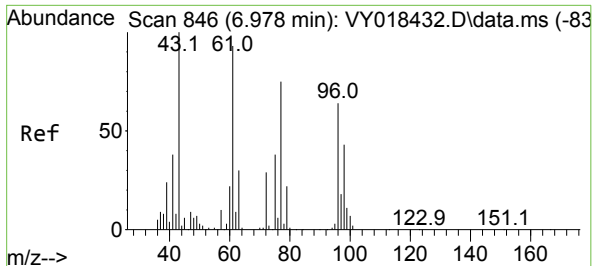
Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 4.686 min Scan# 470
Delta R.T. -0.012 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Tgt Ion: 84 Resp: 618
Ion Ratio Lower Upper
84 100
49 123.7 84.4 126.6
51 43.3 26.0 39.0#
86 28.9 49.5 74.3#





#25

2-Butanone

Concen: 1.637 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.024 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

Instrument :

MSVOA_Y

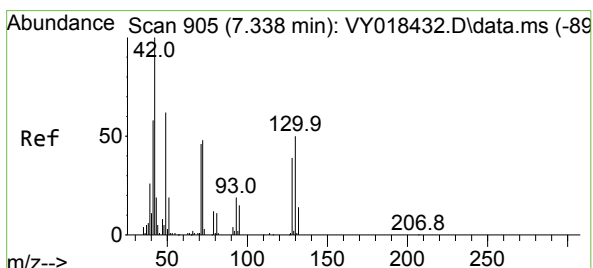
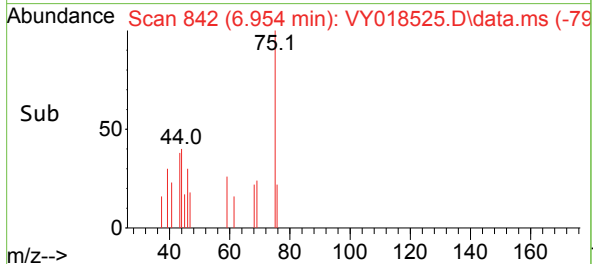
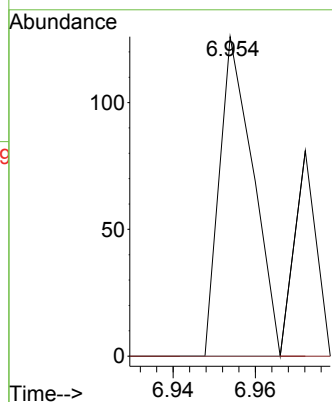
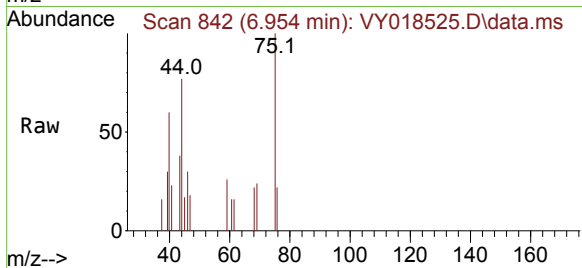
ClientSampleId :

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 5.574 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

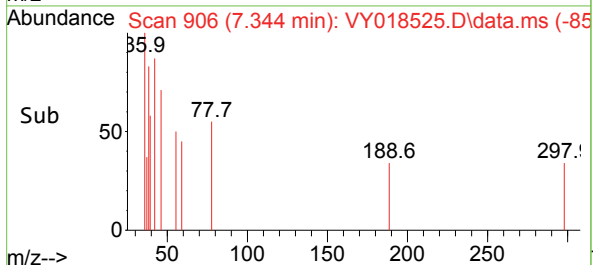
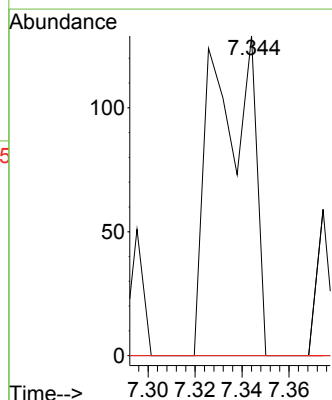
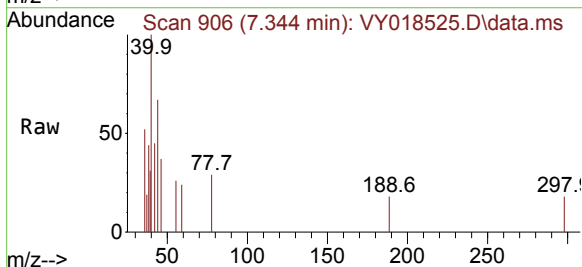
Tgt Ion: 42 Resp: 157

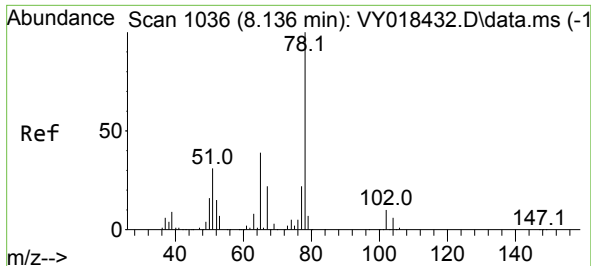
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 45.268 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

Instrument :

MSVOA_Y

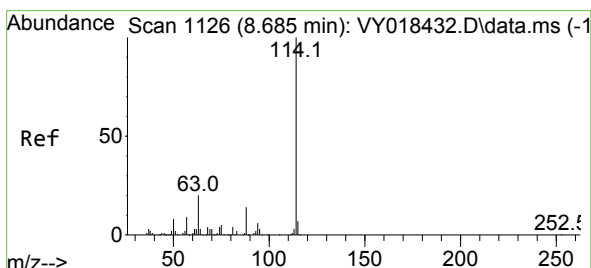
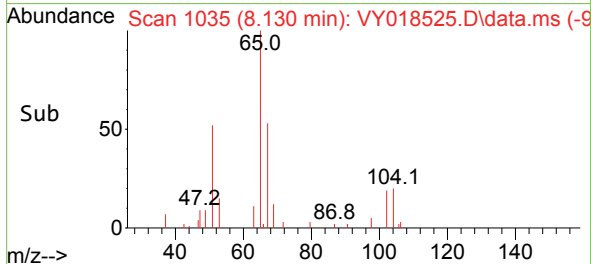
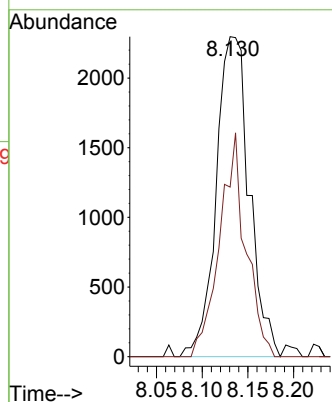
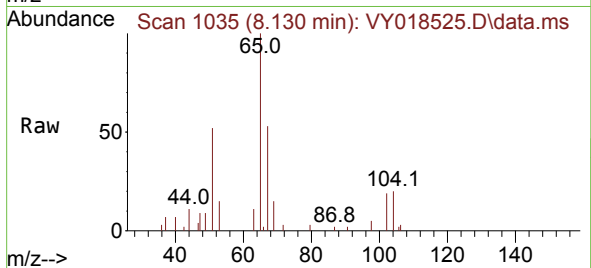
ClientSampleId :

Tgt Ion: 65 Resp: 5774

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

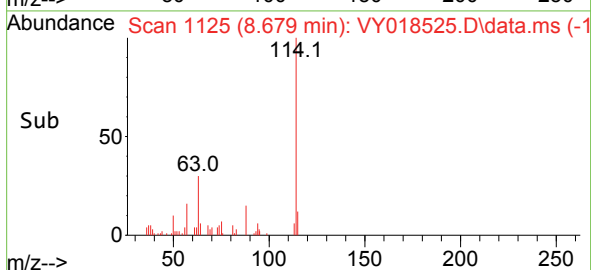
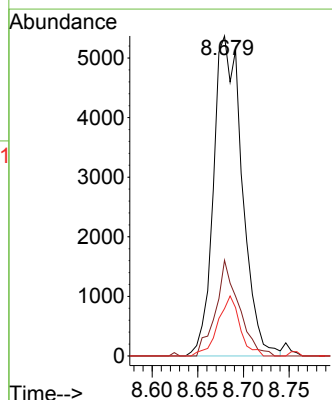
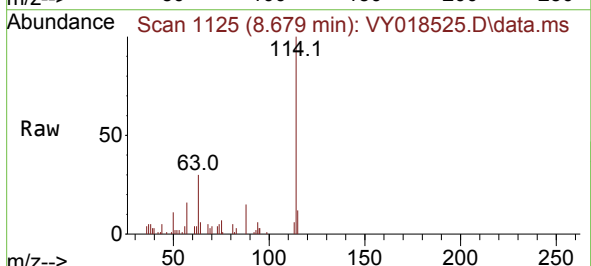
Tgt Ion: 114 Resp: 11676

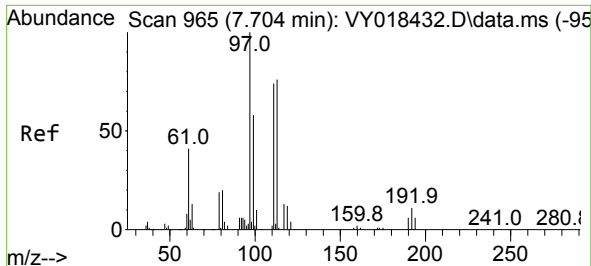
Ion Ratio Lower Upper

114 100

63 29.9 0.0 35.0

88 14.8 0.0 27.2

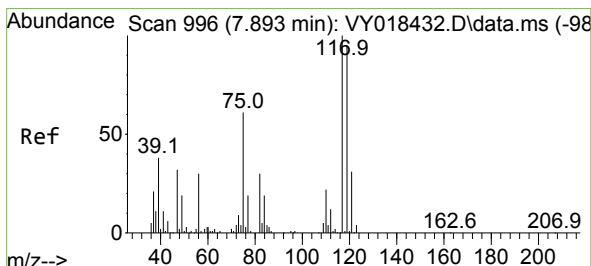
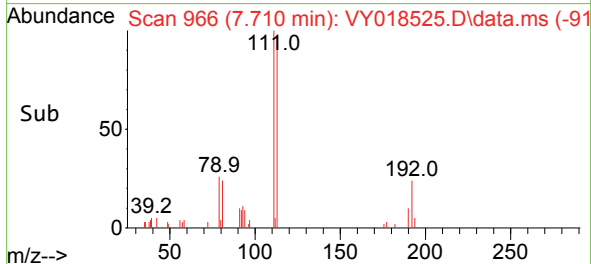
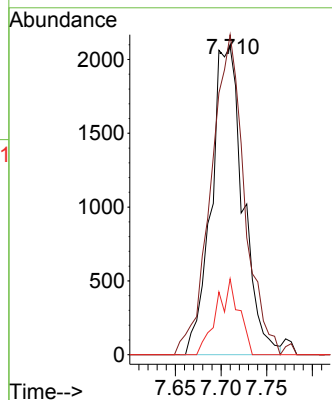
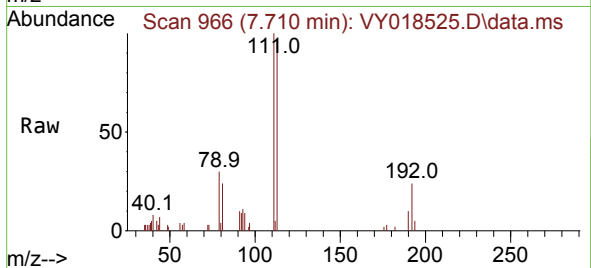




#35
Dibromofluoromethane
Concen: 34.290 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

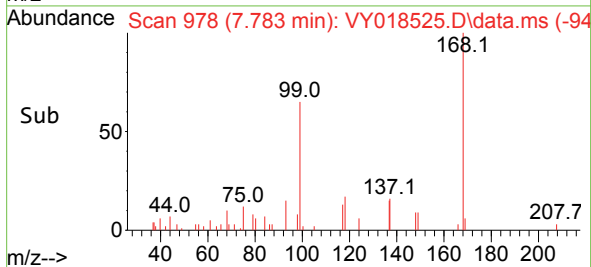
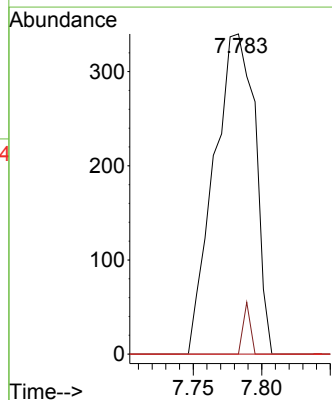
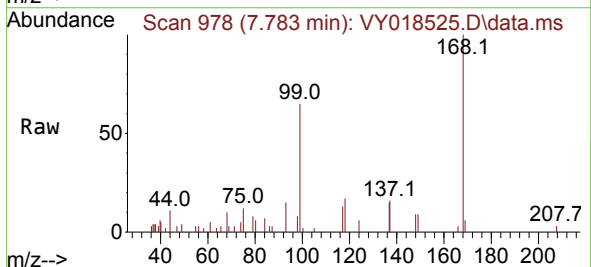
Instrument :
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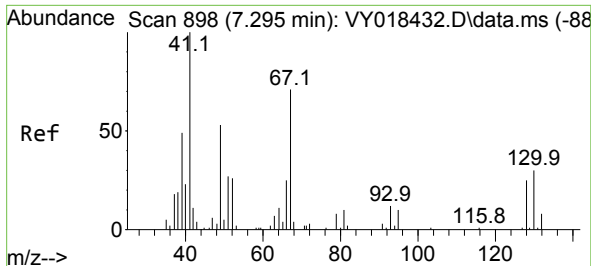
Tgt Ion:113 Resp: 5077
Ion Ratio Lower Upper
113 100
111 109.9 82.2 123.4
192 17.3 15.9 23.9



#38
Carbon Tetrachloride
Concen: 3.138 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

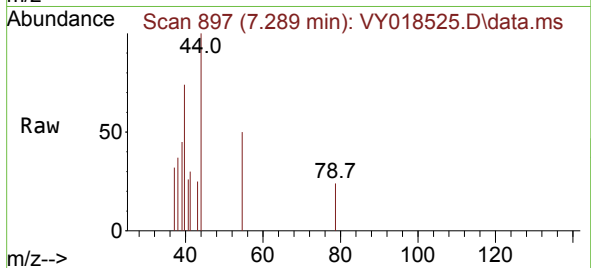
Tgt Ion:117 Resp: 710
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



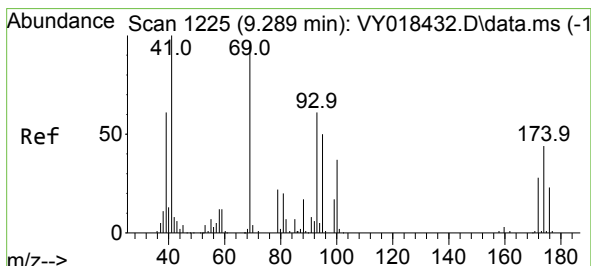
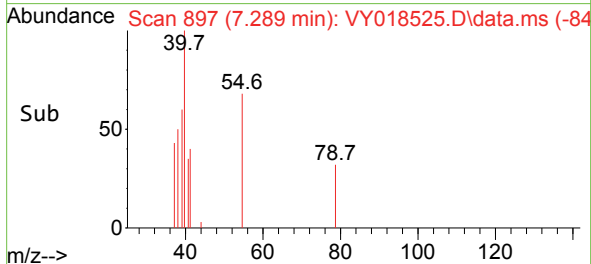
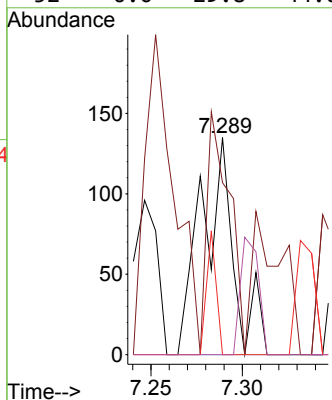


#41
Methacrylonitrile
Concen: 3.044 ug/l
RT: 7.289 min Scan# 898
Delta R.T. -0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :

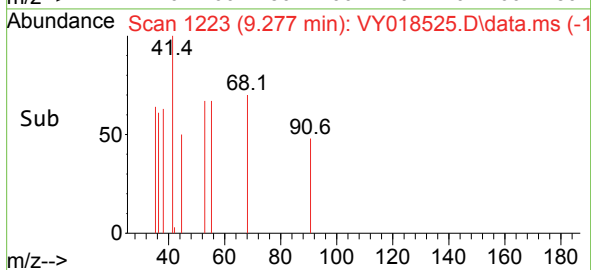
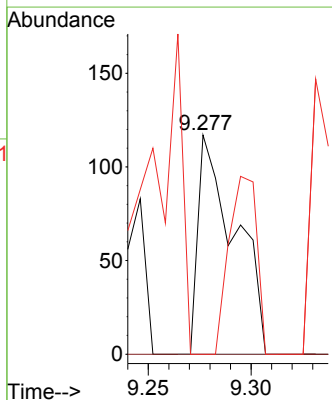
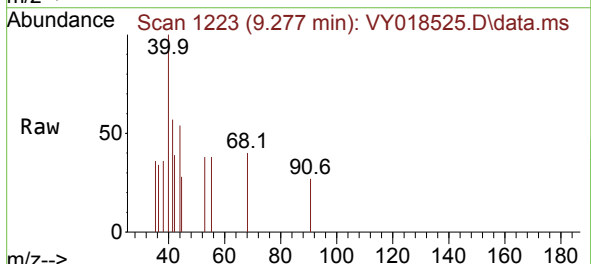


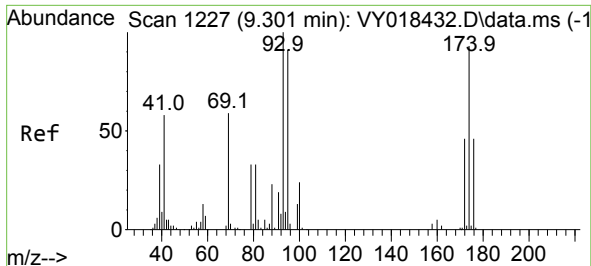
Tgt Ion:	41	Resp:	167
Ion	Ratio	Lower	Upper
41	100		
39	77.8	48.0	72.0#
67	16.8	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 9.277 min Scan# 1223
Delta R.T. -0.012 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Tgt Ion:	41	Resp:	146
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	87.7	43.6	65.4#





#49

1,4-Dioxane

Concen: 35.202 ug/l

RT: 9.234 min Scan# 1216

Delta R.T. -0.067 min

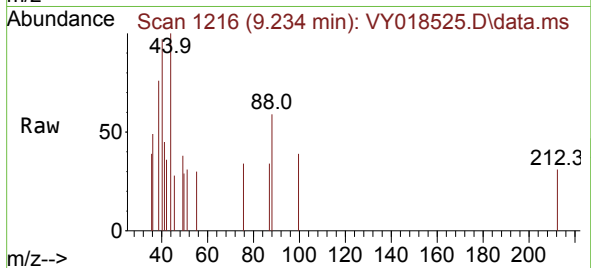
Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :



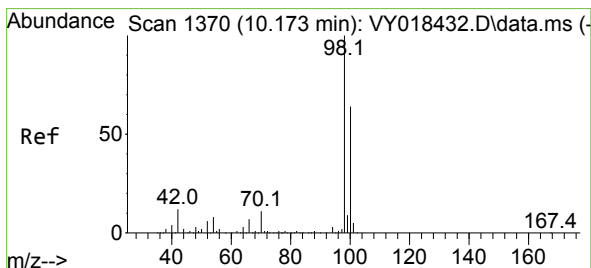
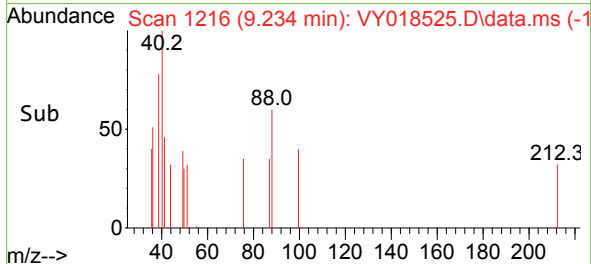
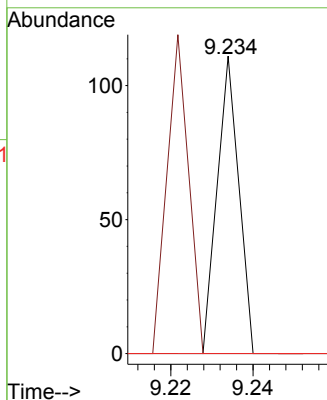
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 107.3 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 31.620 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018525.D

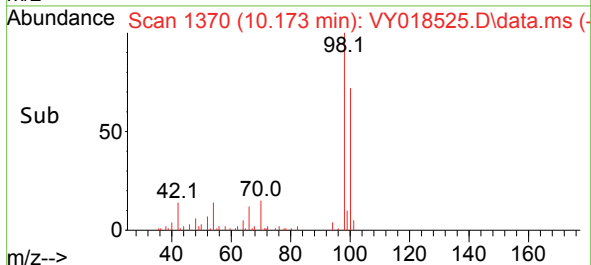
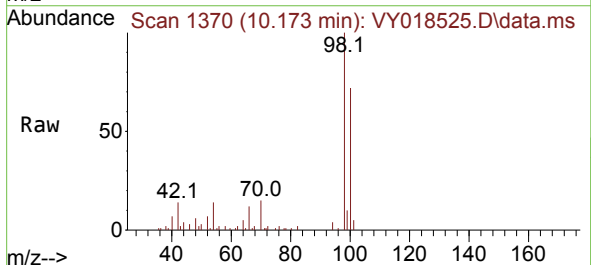
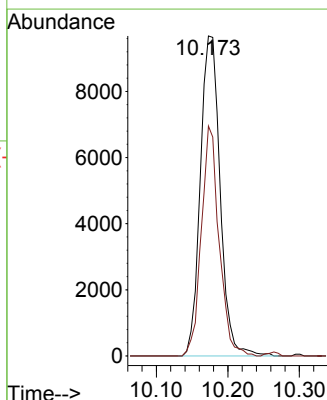
Acq: 07 Jun 2024 14:24

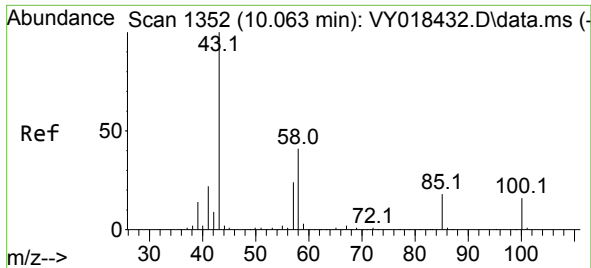
Tgt Ion: 98 Resp: 18625

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

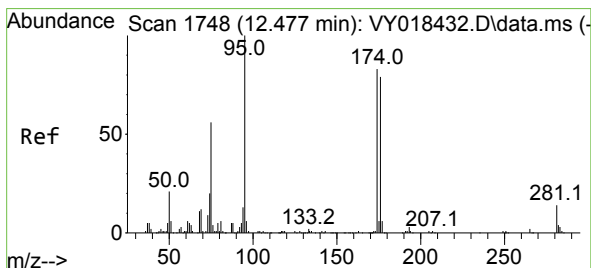
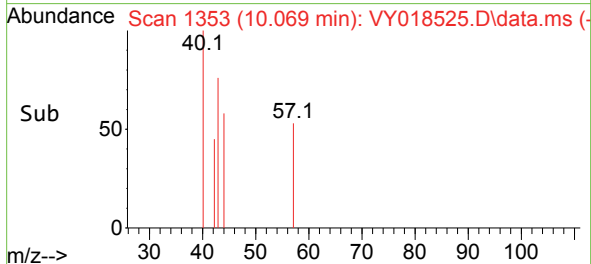
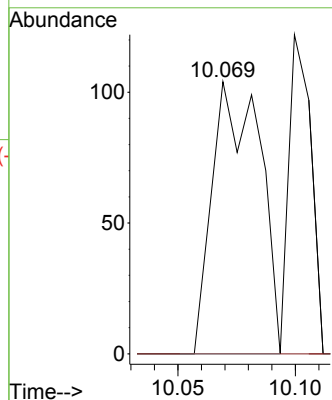
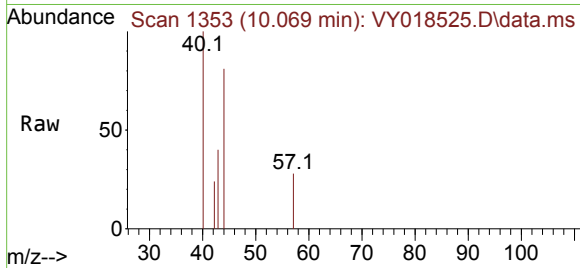




#51
4-Methyl-2-Pentanone
Concen: 1.342 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

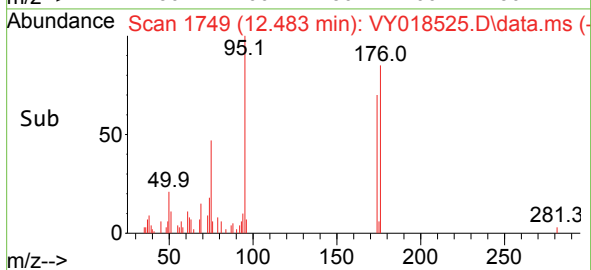
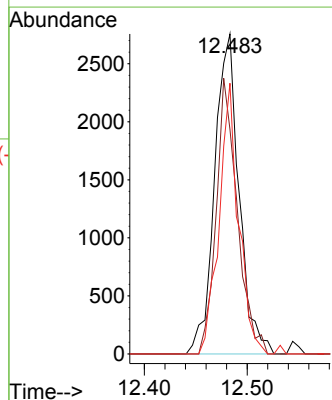
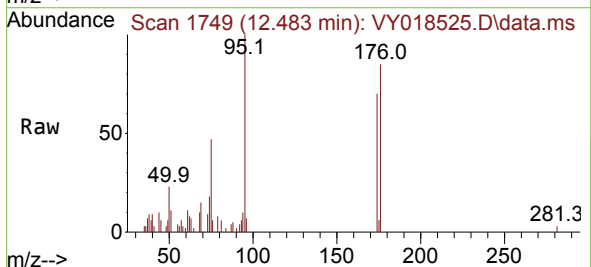
Instrument :
MSVOA_Y
ClientSampleId :

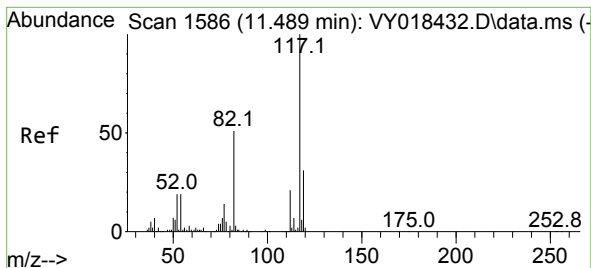
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 24.826 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Tgt Ion: 95 Resp: 4553
Ion Ratio Lower Upper
95 100
174 74.3 0.0 175.6
176 67.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018525.D

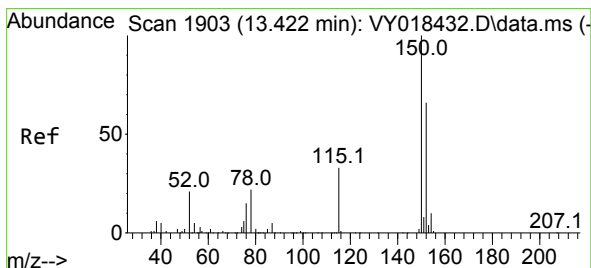
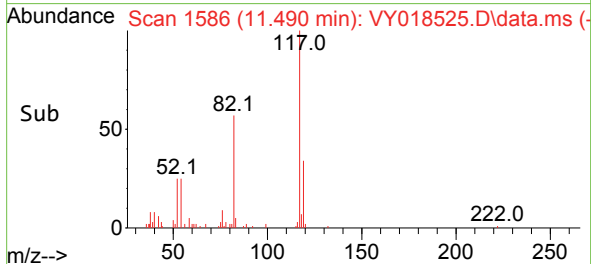
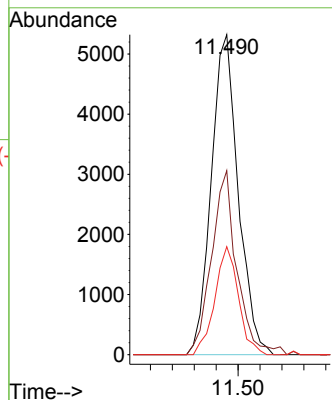
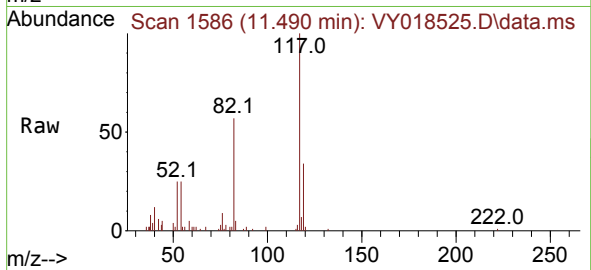
Acq: 07 Jun 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	9076
Ion Ratio	Lower	Upper
117	100	
82	57.5	42.4 63.6
119	33.7	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

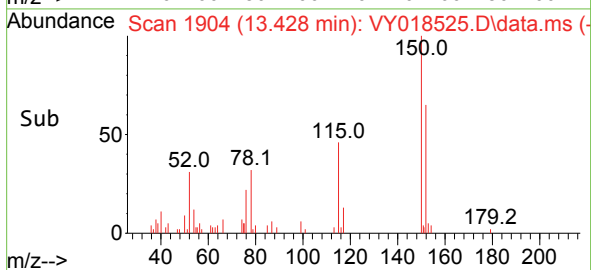
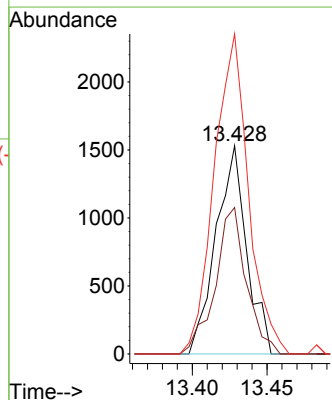
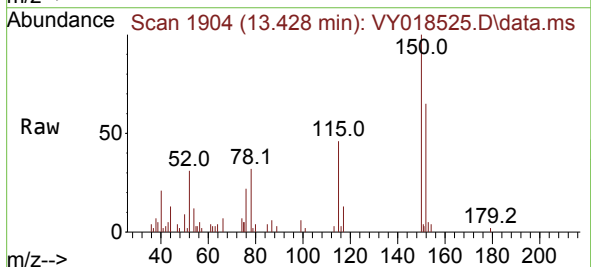
RT: 13.428 min Scan# 1904

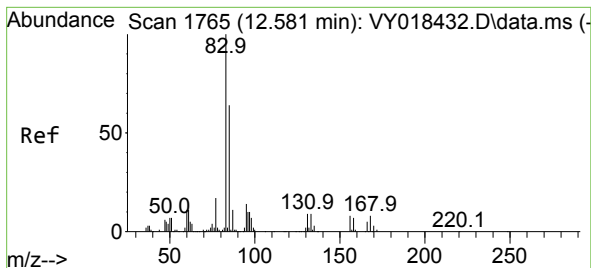
Delta R.T. 0.006 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

Tgt Ion:152	Resp:	2184
Ion Ratio	Lower	Upper
152	100	
115	71.2	28.2 84.7
150	171.1	0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.269 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.104 min

Lab File: VY018525.D

Acq: 07 Jun 2024 14:24

Instrument :

MSVOA_Y

ClientSampleId :

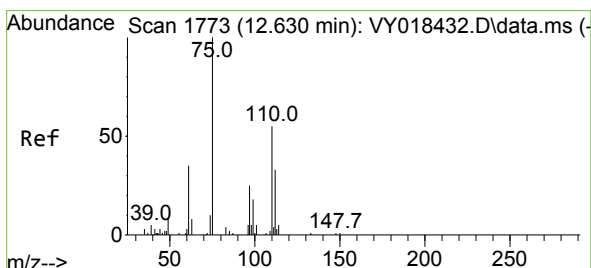
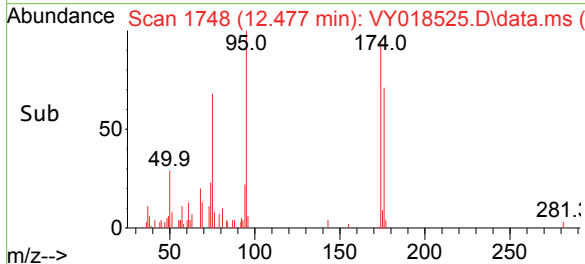
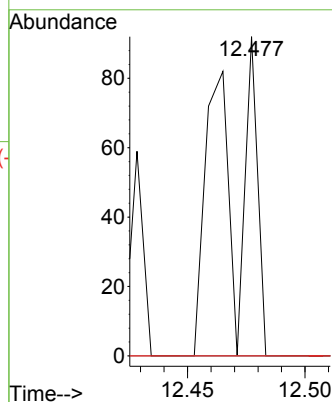
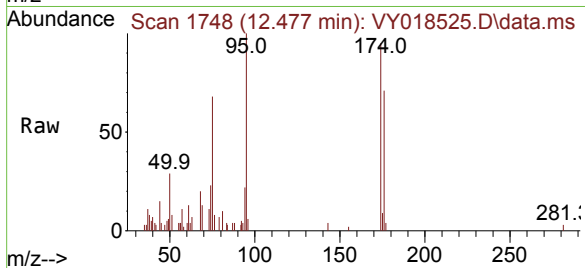
Tgt Ion: 83 Resp: 90

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 108.264 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018525.D

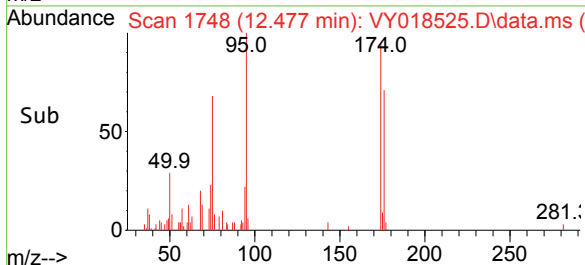
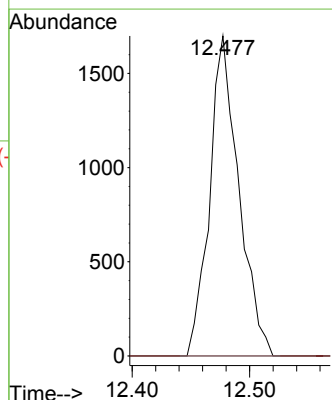
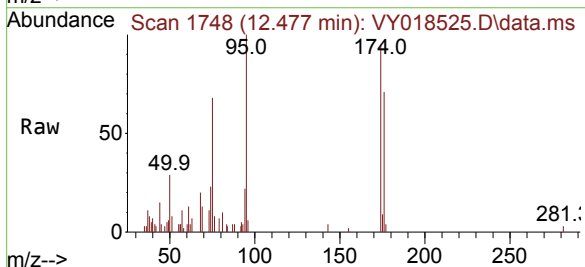
Acq: 07 Jun 2024 14:24

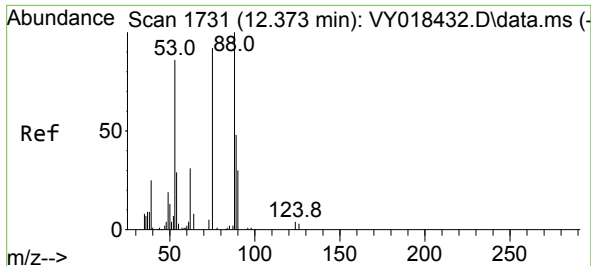
Tgt Ion: 75 Resp: 2932

Ion Ratio Lower Upper

75 100

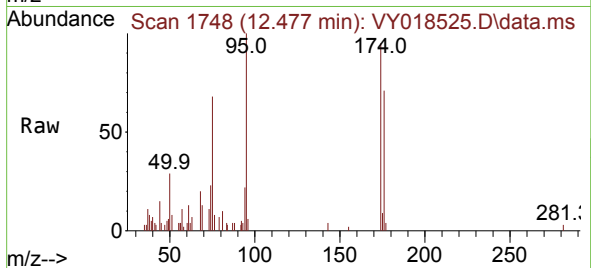
77 0.0 0.0 0.0



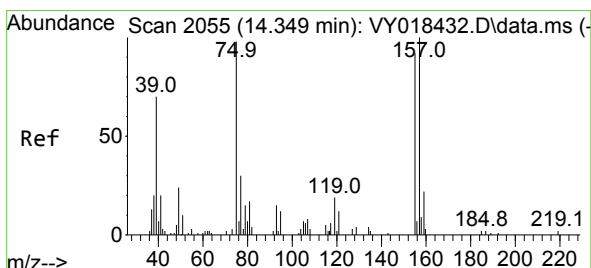
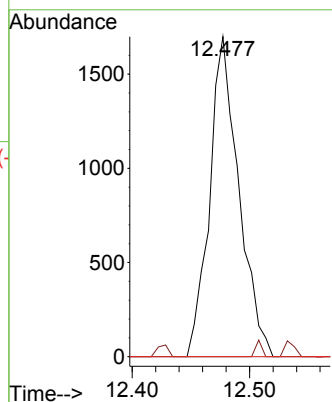
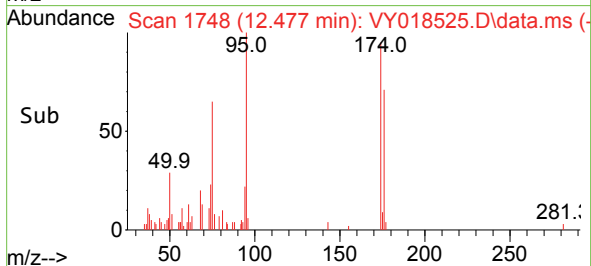


#81
trans-1,4-Dichloro-2-butene
Concen: 227.456 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 2932
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: 5.135 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VY018525.D
Acq: 07 Jun 2024 14:24

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

