

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060524\
 Data File : VY018496.D
 Acq On : 05 Jun 2024 19:52
 Operator : SY/MD
 Sample : P2668-07
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 06 06:00:23 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)

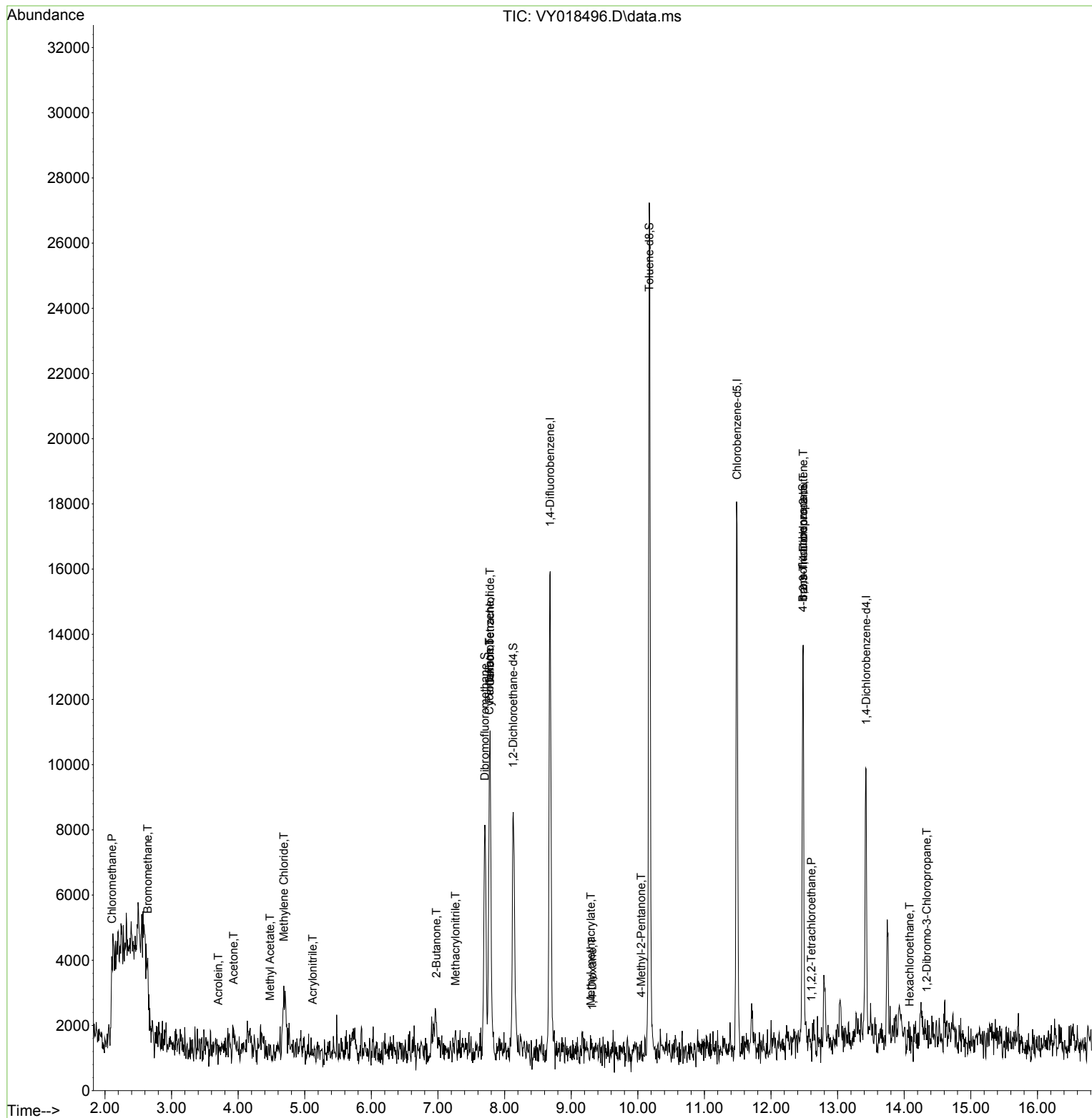
Internal Standards						
1) Pentafluorobenzene	7.777	168	6403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	8124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	5481	43.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.180%
35) Dibromofluoromethane	7.704	113	4539	30.612	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	61.220%
50) Toluene-d8	10.173	98	15859	26.885	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	53.780%#
62) 4-Bromofluorobenzene	12.477	95	3317	18.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	365	1.925	ug/l #	74
5) Bromomethane	2.644	94	156	1.031	ug/l	87
11) Tert butyl alcohol	4.942	59	115	Below Cal	#	88
13) Acrolein	3.704	56	45	3.496	ug/l #	1
15) Acrylonitrile	5.119	53	67	2.075	ug/l #	52
16) Acetone	3.930	43	473	16.948	ug/l	87
18) Methyl Acetate	4.479	43	91	1.304	ug/l #	46
20) Methylene Chloride	4.686	84	1318	5.597	ug/l #	73
25) 2-Butanone	6.978	43	212	4.958	ug/l #	56
31) Cyclohexane	7.771	56	253	1.079	ug/l #	42
38) Carbon Tetrachloride	7.783	117	807	3.562	ug/l #	13
41) Methacrylonitrile	7.265	41	116	2.111	ug/l #	41
48) Methyl methacrylate	9.295	41	240	2.470	ug/l #	18
49) 1,4-Dioxane	9.319	88	52	44.581	ug/l #	20
51) 4-Methyl-2-Pentanone	10.051	43	164	1.496	ug/l #	31
75) 1,1,2,2-Tetrachloroethane	12.605	83	62	1.671	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	2175	85.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2175	180.375	ug/l #	17
90) Hexachloroethane	14.081	117	41	1.212	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	19	3.364	ug/l #	1

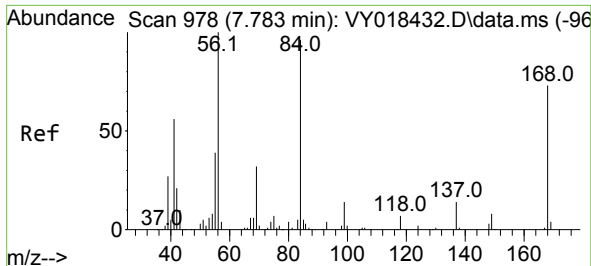
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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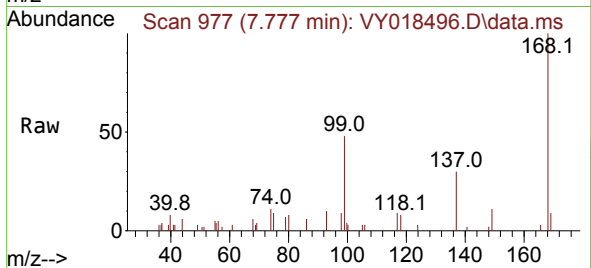
Quant Time: Jun 06 06:00:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 07:11:56 2024
Response via : Initial Calibration



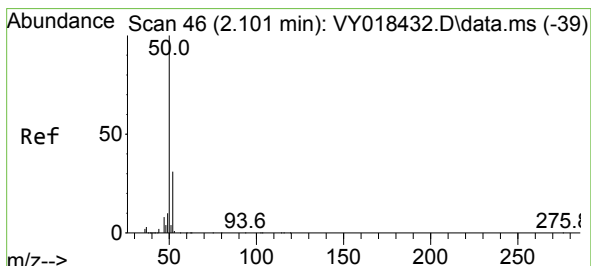
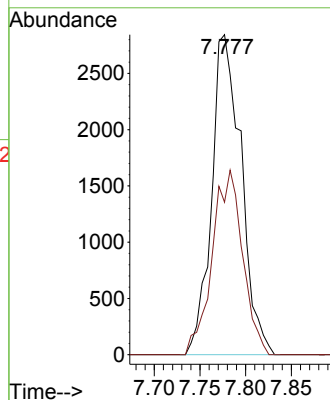
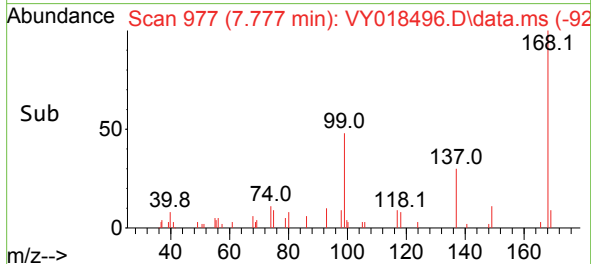


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :

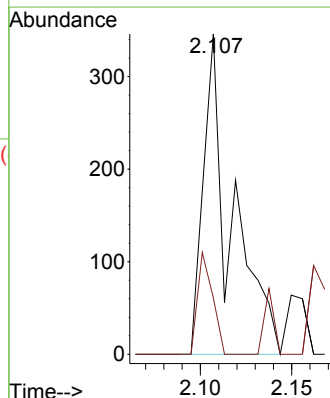
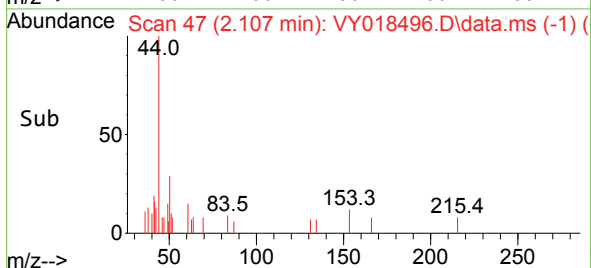
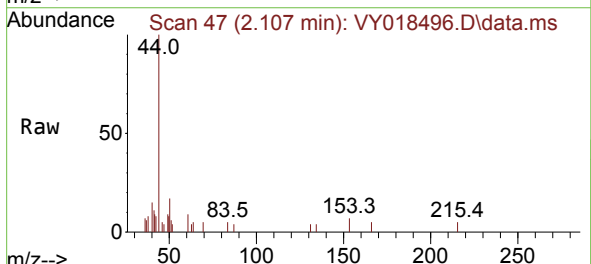


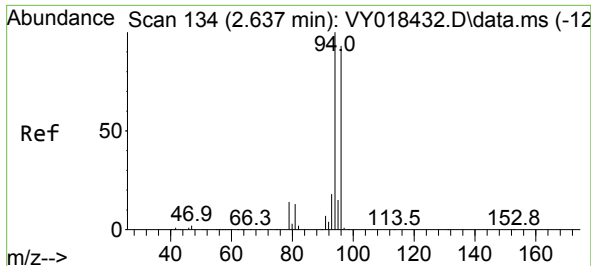
Tgt Ion:168 Resp: 6403
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#3
Chloromethane
Concen: 1.925 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Tgt Ion: 50 Resp: 365
Ion Ratio Lower Upper
50 100
52 17.6 25.6 38.4#

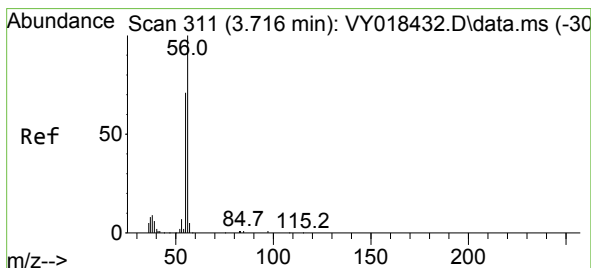
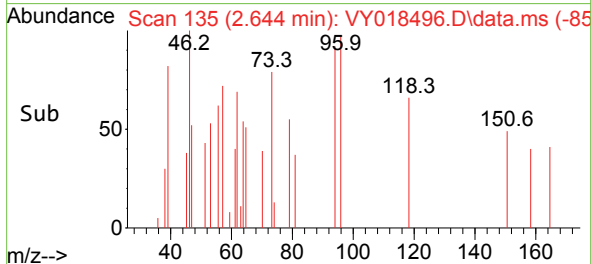
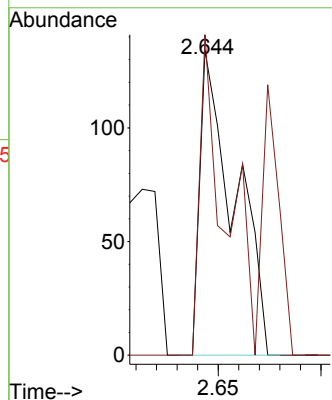
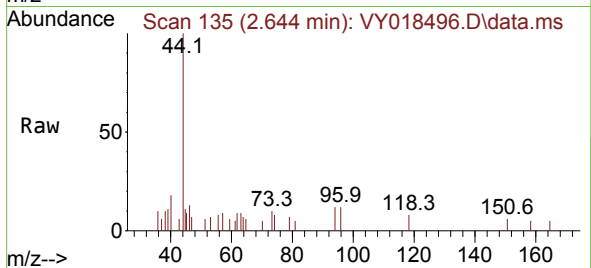




#5
Bromomethane
Concen: 1.031 ug/l
RT: 2.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

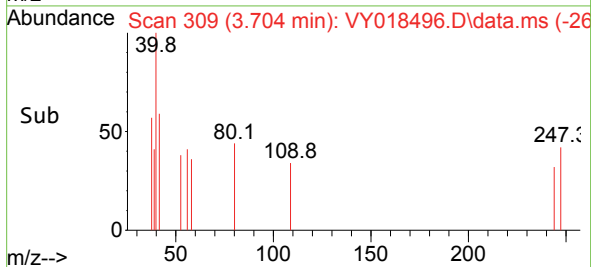
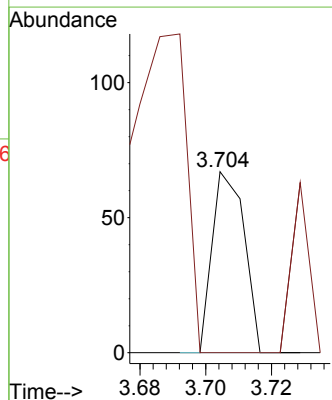
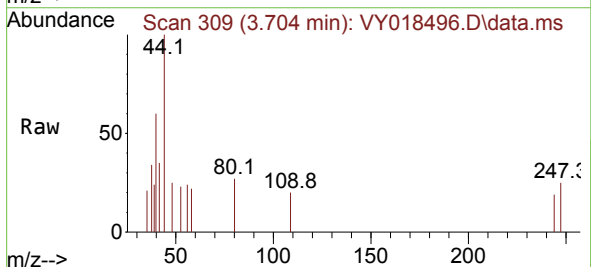
Instrument :
MSVOA_Y
ClientSampleId :

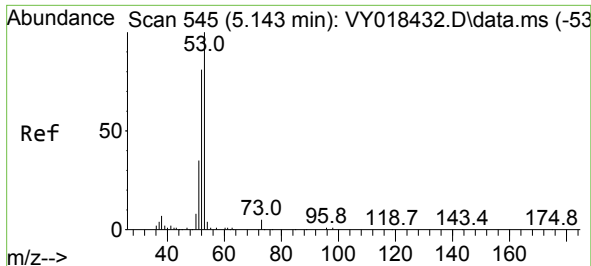
Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 105.2 74.1 111.1



#13
Acrolein
Concen: 3.496 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.012 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

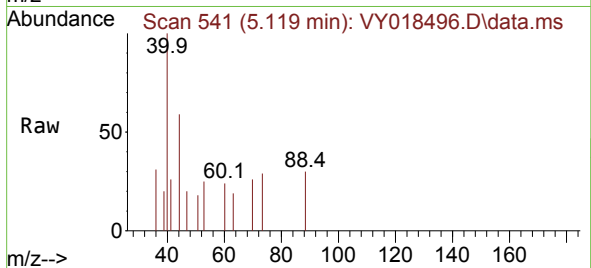
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 317.8 55.7 83.5#



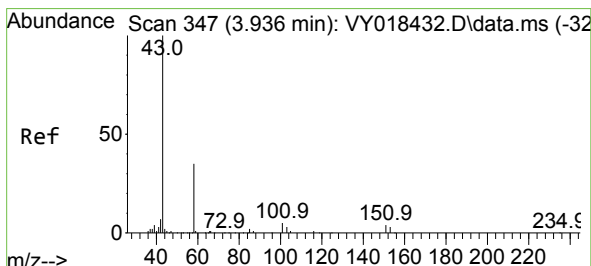
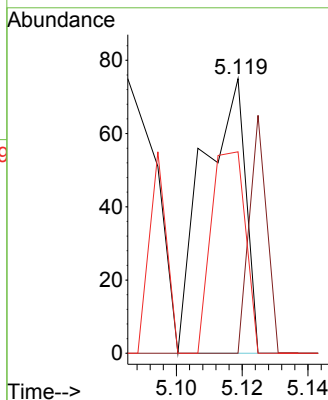
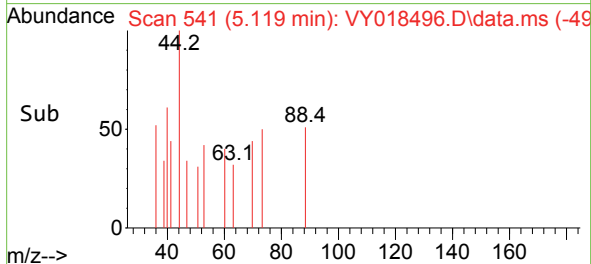


#15
Acrylonitrile
Concen: 2.075 ug/l
RT: 5.119 min Scan# 545
Delta R.T. -0.024 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :

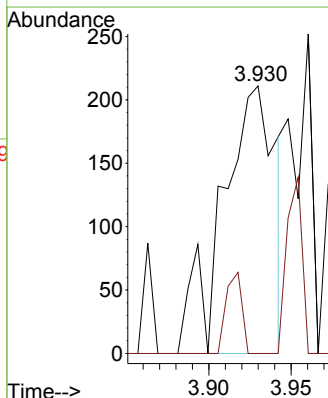
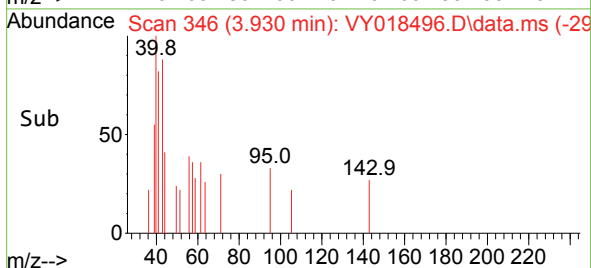
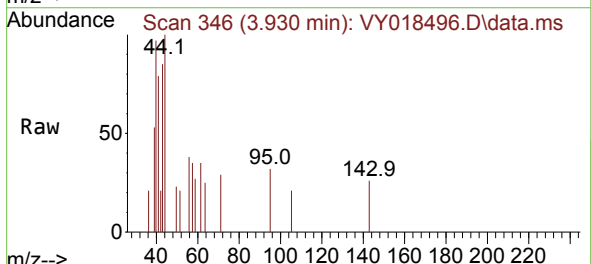


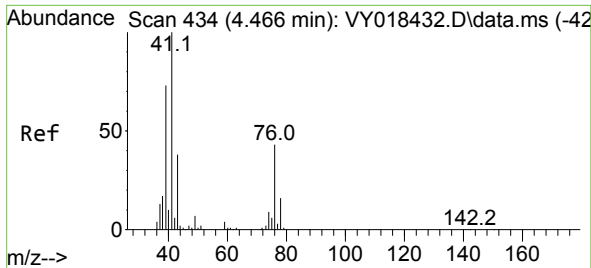
Tgt Ion: 53 Resp: 67
Ion Ratio Lower Upper
53 100
52 35.8 64.7 97.1#
51 59.7 28.4 42.6#



#16
Acetone
Concen: 16.948 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

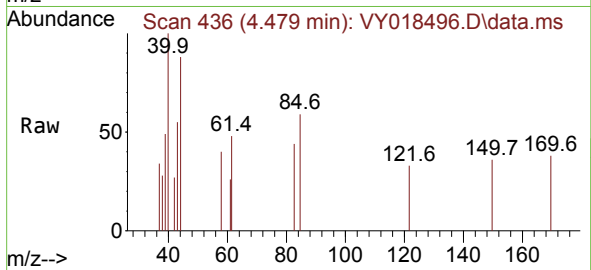
Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 31.8 31.7 47.5



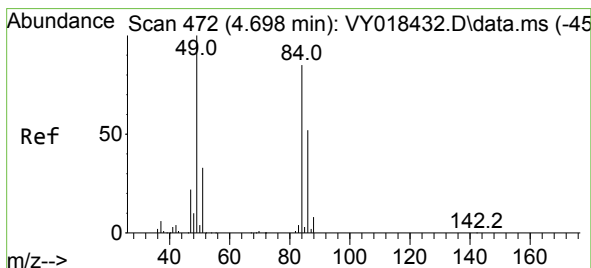
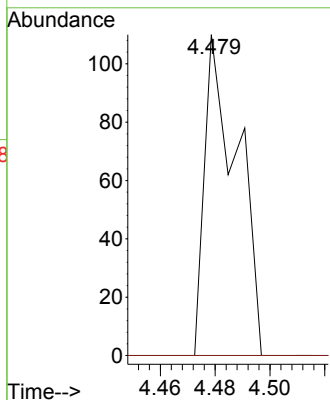
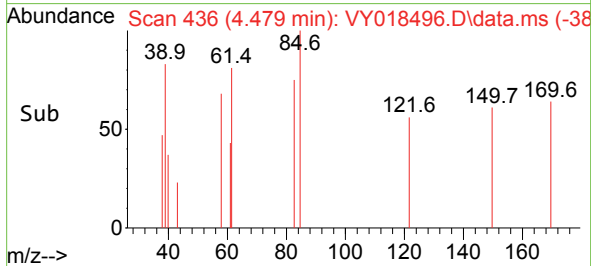


#18
Methyl Acetate
Concen: 1.304 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :

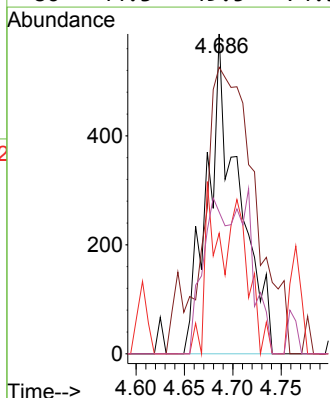
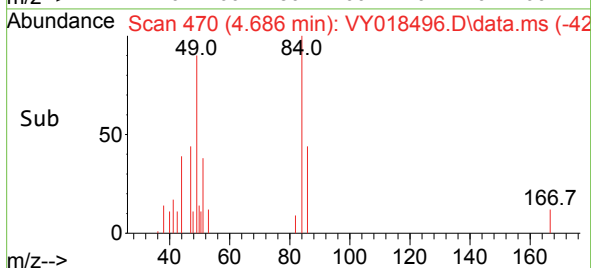
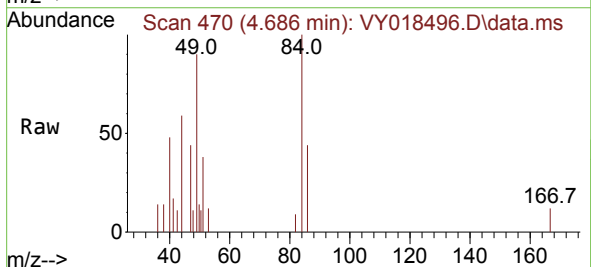


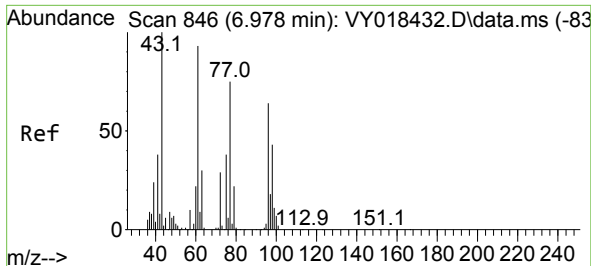
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 5.597 ug/l
RT: 4.686 min Scan# 470
Delta R.T. -0.012 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Tgt Ion: 84 Resp: 1318
Ion Ratio Lower Upper
84 100
49 69.3 84.4 126.6#
51 37.6 26.0 39.0
86 44.3 49.5 74.3#





#25

2-Butanone

Concen: 4.958 ug/l

RT: 6.978 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY018496.D

Acq: 05 Jun 2024 19:52

Instrument :

MSVOA_Y

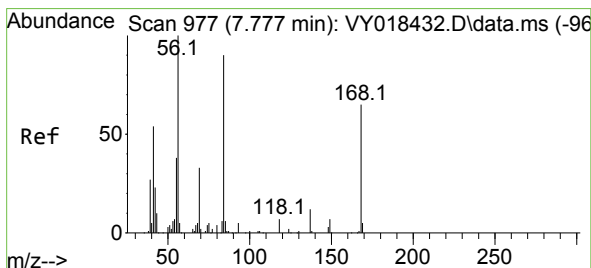
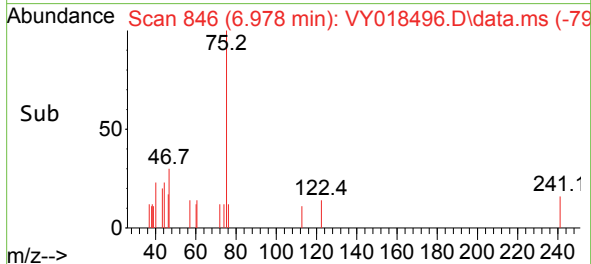
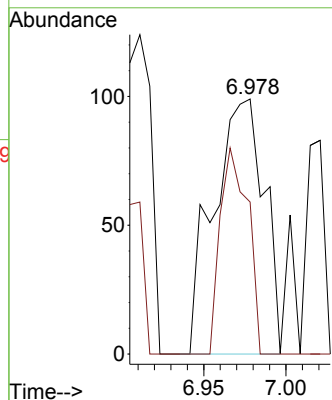
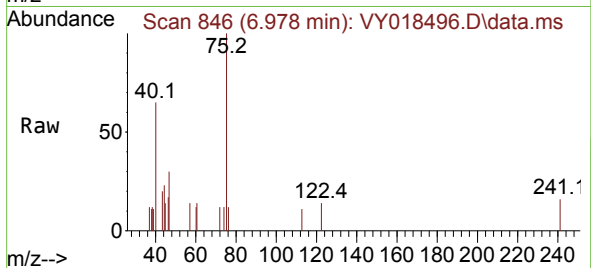
ClientSampleId :

Tgt Ion: 43 Resp: 212

Ion Ratio Lower Upper

43 100

72 59.6 27.3 40.9#



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.006 min

Lab File: VY018496.D

Acq: 05 Jun 2024 19:52

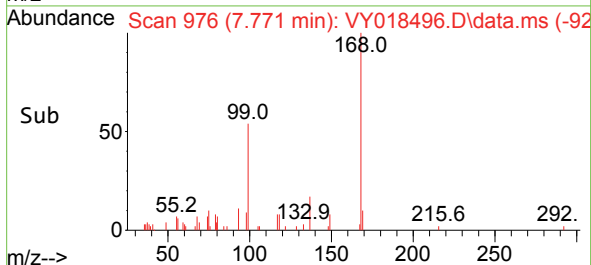
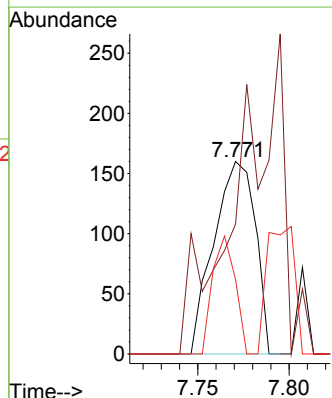
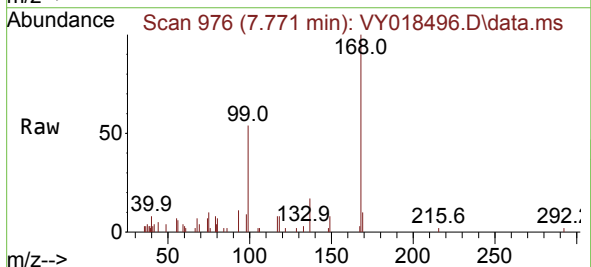
Tgt Ion: 56 Resp: 253

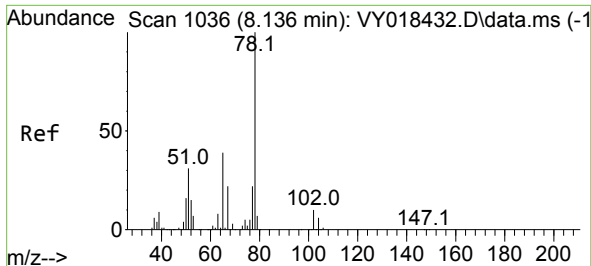
Ion Ratio Lower Upper

56 100

69 67.5 28.7 43.1#

84 38.8 77.7 116.5#

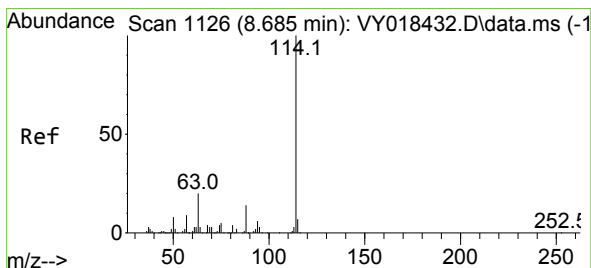
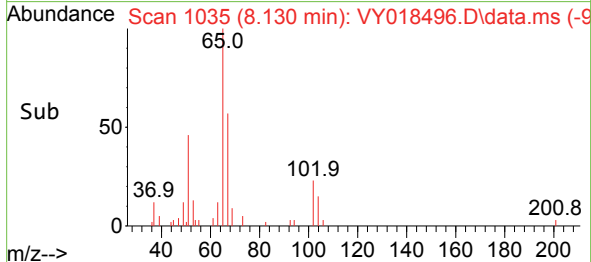
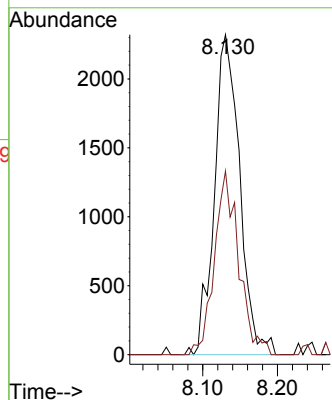
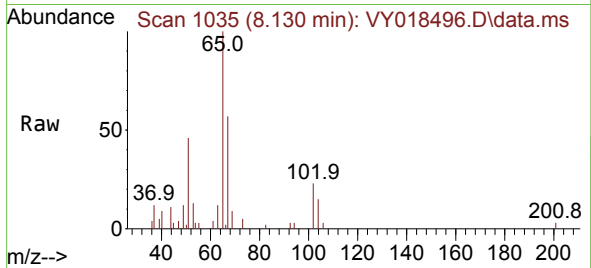




#33
 1,2-Dichloroethane-d4
 Concen: 43.588 ug/l
 RT: 8.130 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY018496.D
 Acq: 05 Jun 2024 19:52

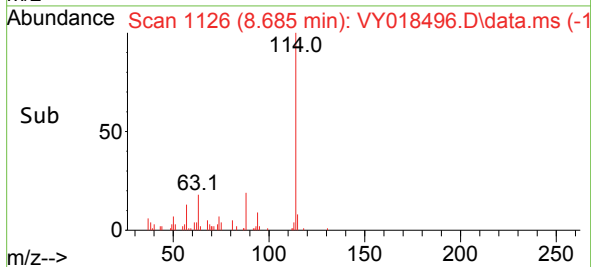
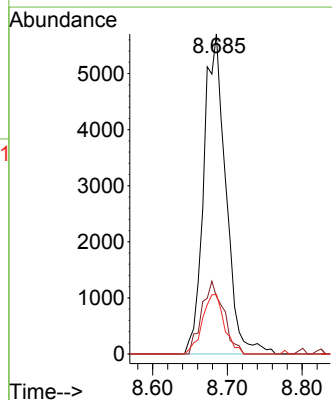
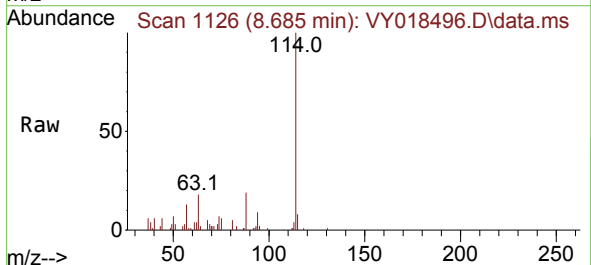
Instrument :
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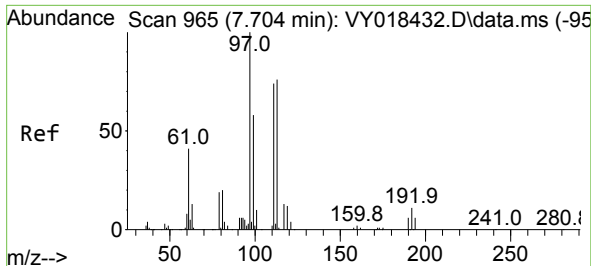
Tgt Ion: 65 Resp: 5481
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY018496.D
 Acq: 05 Jun 2024 19:52

Tgt Ion: 114 Resp: 11693
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 18.6 0.0 27.2

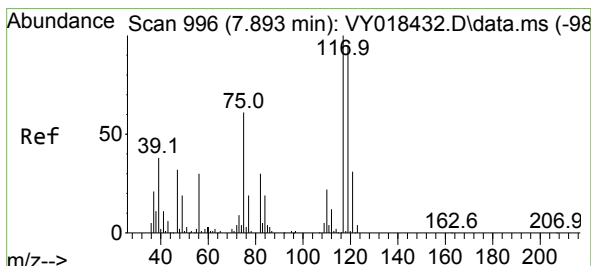
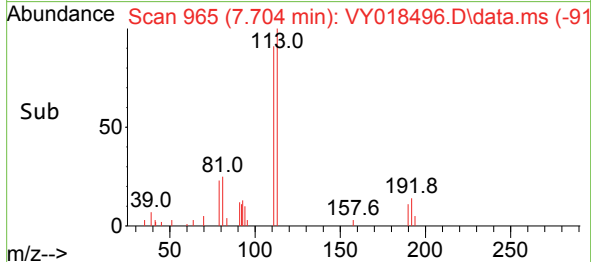
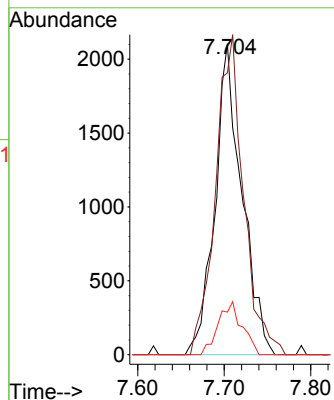
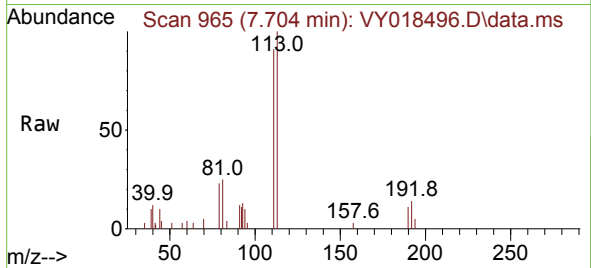




#35
Dibromofluoromethane
Concen: 30.612 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

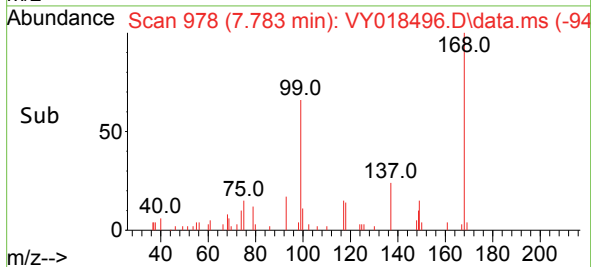
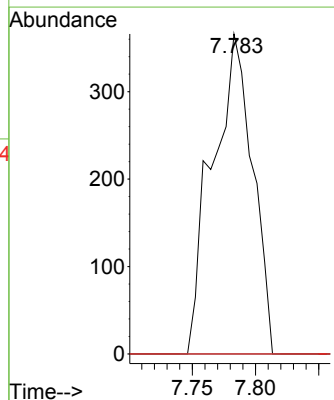
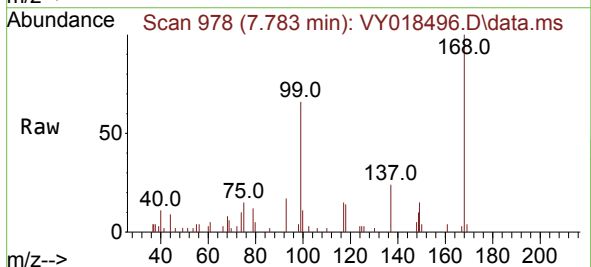
Instrument :
MSVOA_Y
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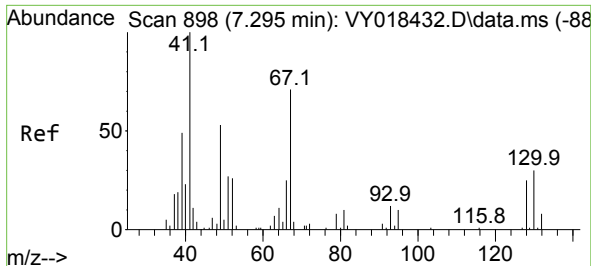
Tgt Ion:113 Resp: 4539
Ion Ratio Lower Upper
113 100
111 107.1 82.2 123.4
192 15.0 15.9 23.9#



#38
Carbon Tetrachloride
Concen: 3.562 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

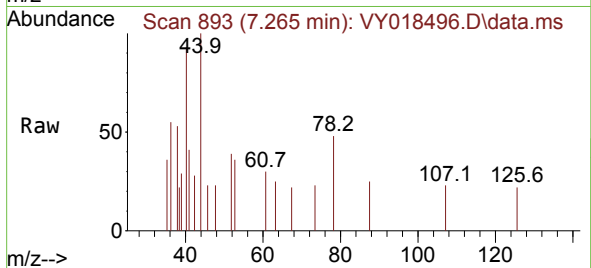
Tgt Ion:117 Resp: 807
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



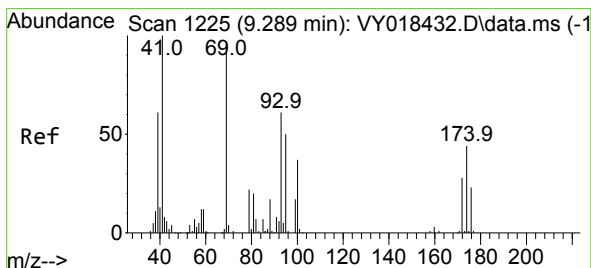
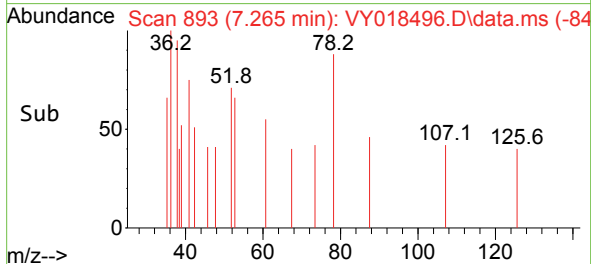
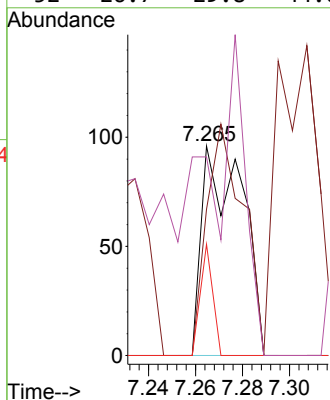


#41
Methacrylonitrile
Concen: 2.111 ug/l
RT: 7.265 min Scan# 898
Delta R.T. -0.030 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :

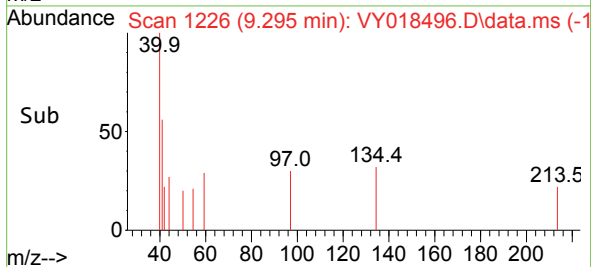
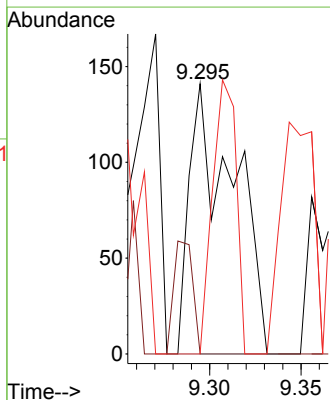
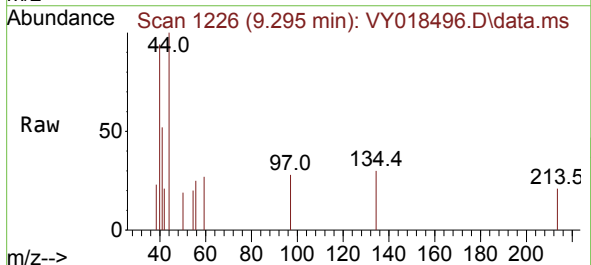


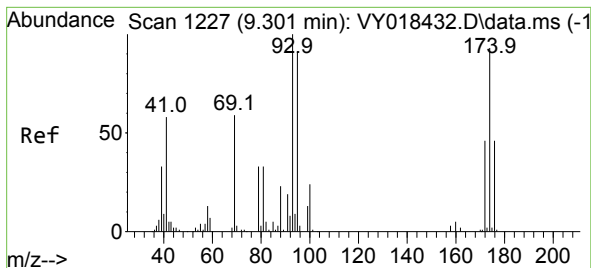
Tgt Ion:	41	Resp:	116
Ion	Ratio	Lower	Upper
41	100		
39	98.3	48.0	72.0#
67	16.4	75.1	112.7#
52	26.7	29.8	44.6#



#48
Methyl methacrylate
Concen: 2.470 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Tgt Ion:	41	Resp:	240
Ion	Ratio	Lower	Upper
41	100		
69	17.5	84.1	126.1#
39	0.0	43.6	65.4#





#49

1,4-Dioxane

Concen: 44.581 ug/l

RT: 9.319 min Scan# 11

Delta R.T. 0.018 min

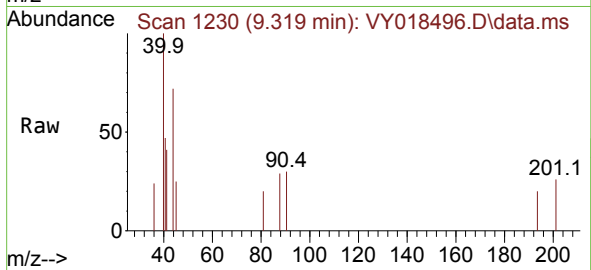
Lab File: VY018496.D

Acq: 05 Jun 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :



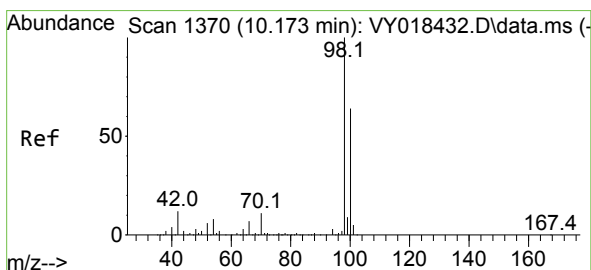
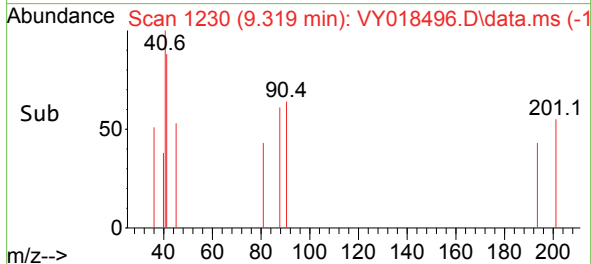
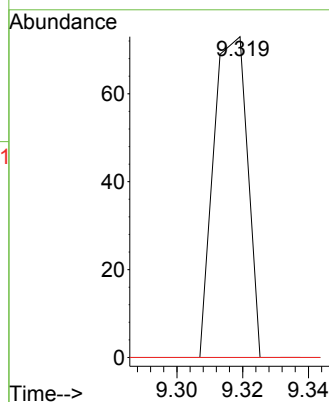
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 26.885 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018496.D

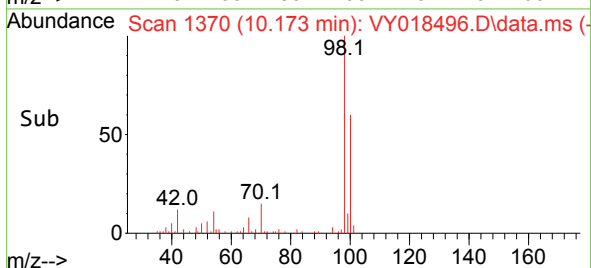
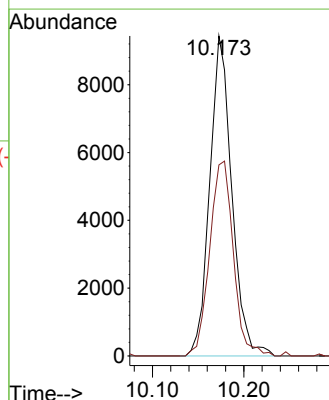
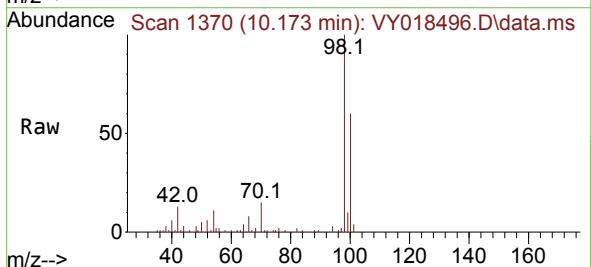
Acq: 05 Jun 2024 19:52

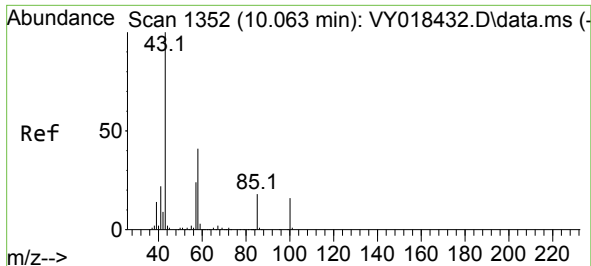
Tgt Ion: 98 Resp: 15859

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

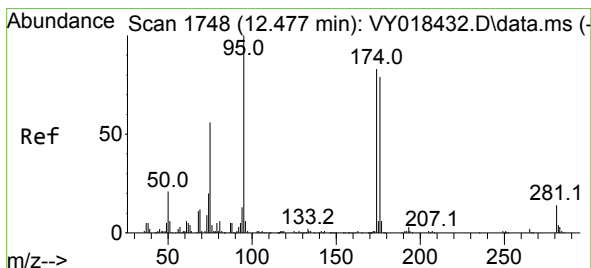
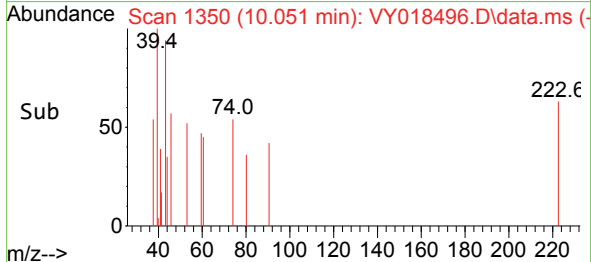
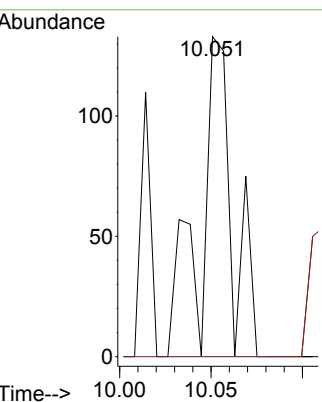
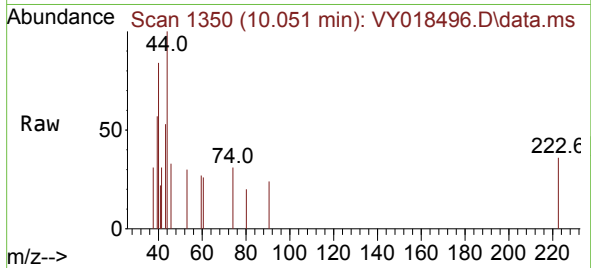




#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.051 min Scan# 1350
Delta R.T. -0.012 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

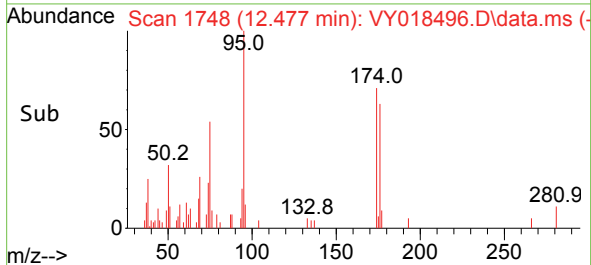
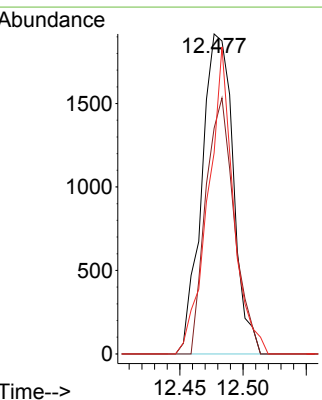
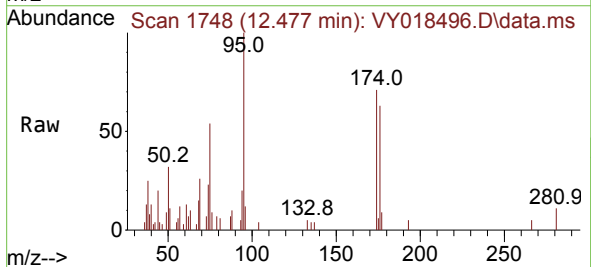
Instrument :
MSVOA_Y
ClientSampleId :

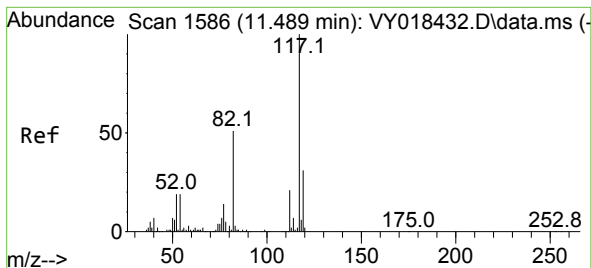
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 18.060 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Tgt Ion: 95 Resp: 3317
Ion Ratio Lower Upper
95 100
174 72.0 0.0 175.6
176 77.2 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: VY018496.D

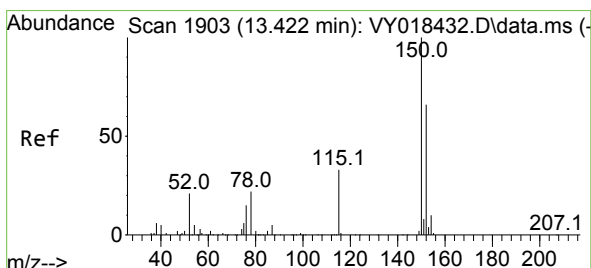
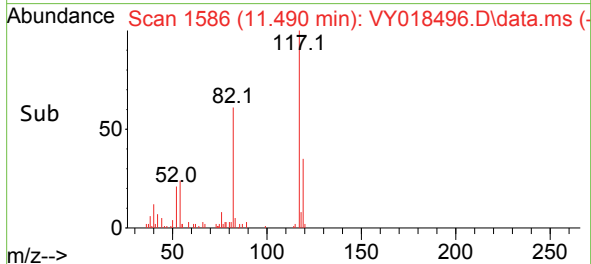
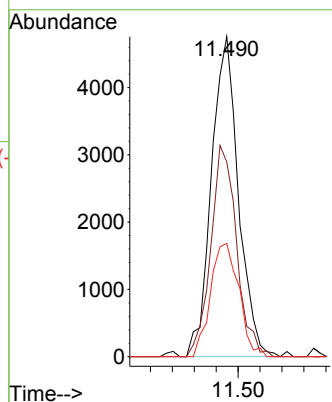
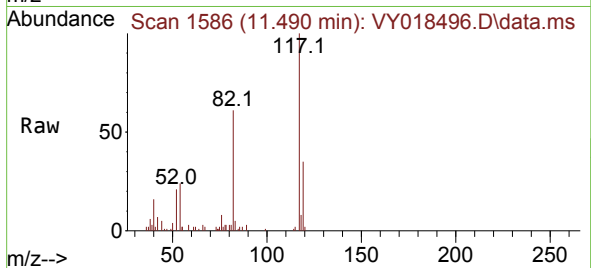
Acq: 05 Jun 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	8124
Ion	Ratio	Lower Upper
117	100	
82	60.9	42.4 63.6
119	35.4	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

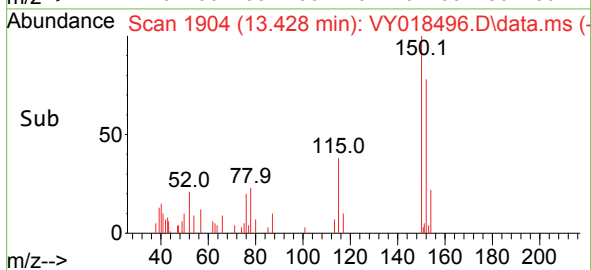
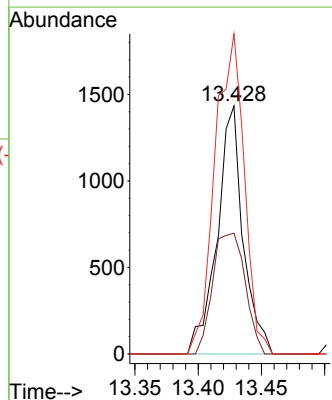
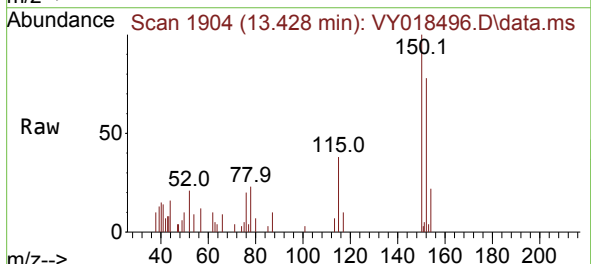
RT: 13.428 min Scan# 1904

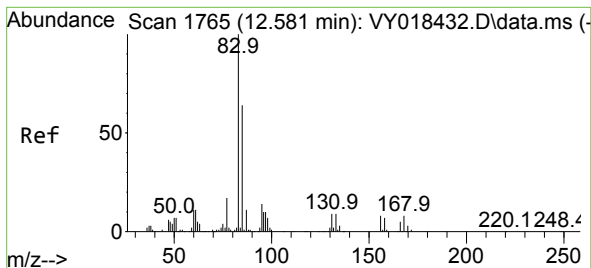
Delta R.T. 0.006 min

Lab File: VY018496.D

Acq: 05 Jun 2024 19:52

Tgt Ion:152	Resp:	2043
Ion	Ratio	Lower Upper
152	100	
115	61.0	28.2 84.7
150	145.6	0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.671 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.024 min

Lab File: VY018496.D

Acq: 05 Jun 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

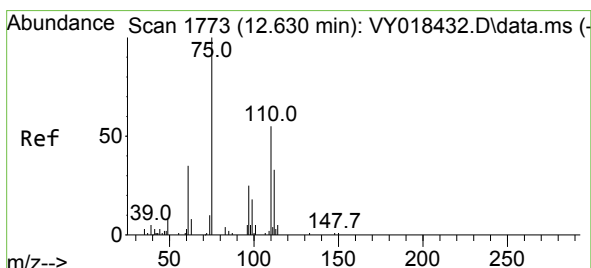
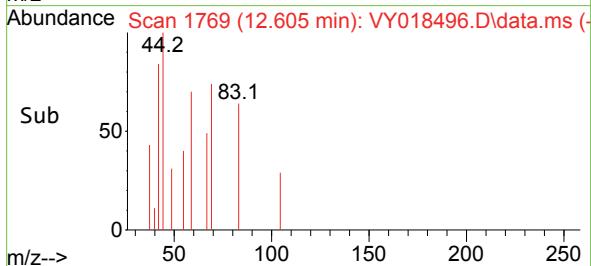
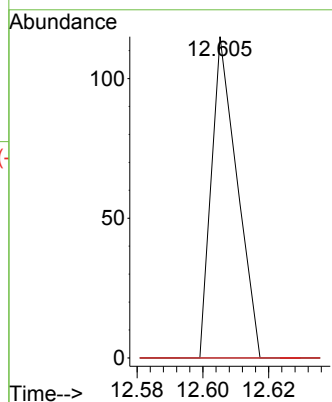
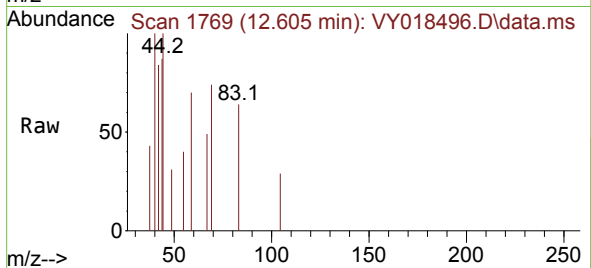
Tgt Ion: 83 Resp: 62

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: 85.855 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY018496.D

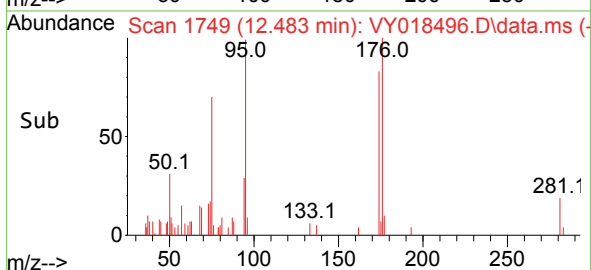
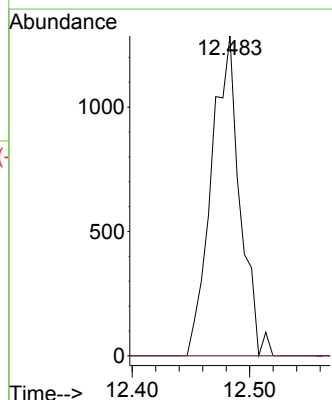
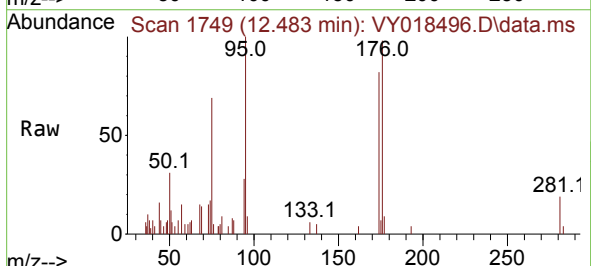
Acq: 05 Jun 2024 19:52

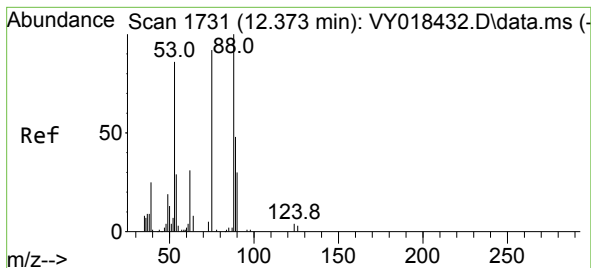
Tgt Ion: 75 Resp: 2175

Ion Ratio Lower Upper

75 100

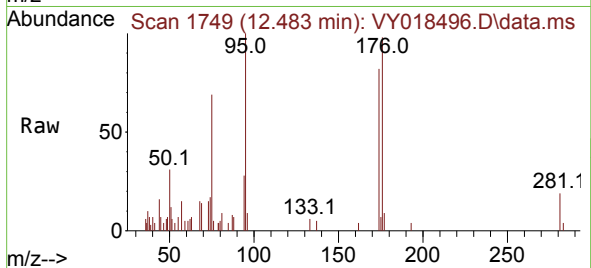
77 0.0 0.0 0.0



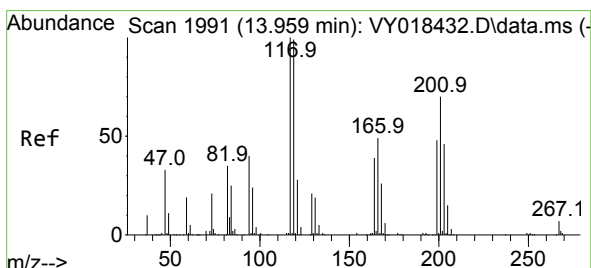
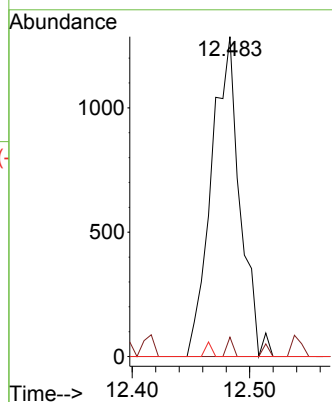
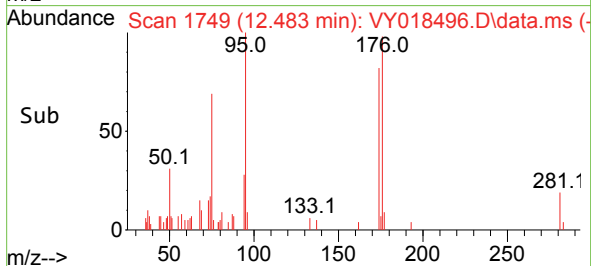


#81
trans-1,4-Dichloro-2-butene
Concen: 180.375 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :

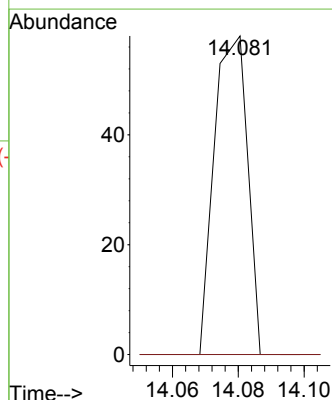
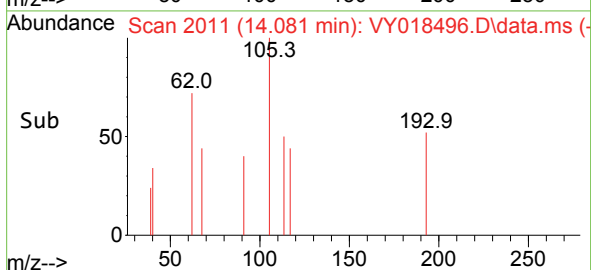
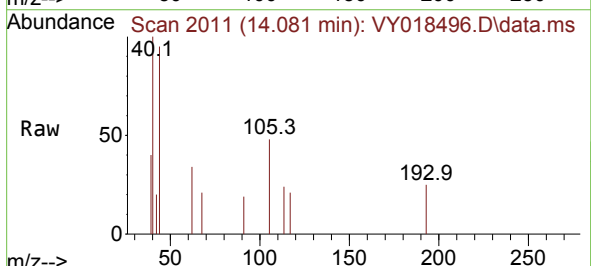


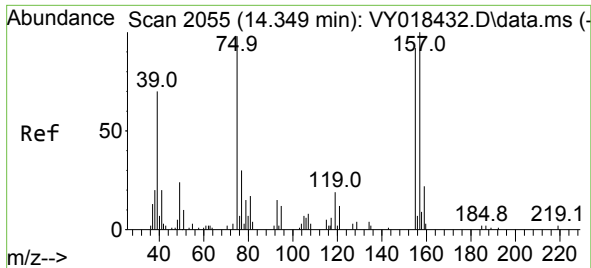
Tgt Ion: 75 Resp: 2175
Ion Ratio Lower Upper
75 100
53 1.3 66.8 100.2#
89 1.0 35.8 53.6#



#90
Hexachloroethane
Concen: 1.212 ug/l
RT: 14.081 min Scan# 2011
Delta R.T. 0.122 min
Lab File: VY018496.D
Acq: 05 Jun 2024 19:52

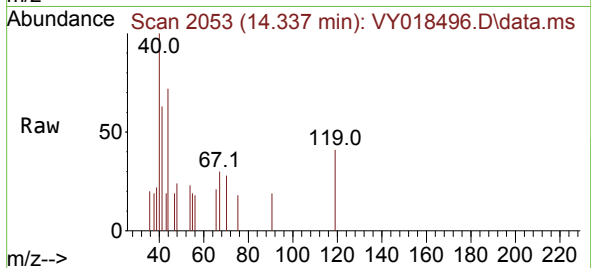
Tgt Ion: 117 Resp: 41
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.364 ug/l
 RT: 14.337 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VY018496.D
 Acq: 05 Jun 2024 19:52

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#

