

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018313.D
 Acq On : 17 May 2024 17:09
 Operator : SY/MD
 Sample : P2497-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3823

Quant Time: May 18 00:53:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

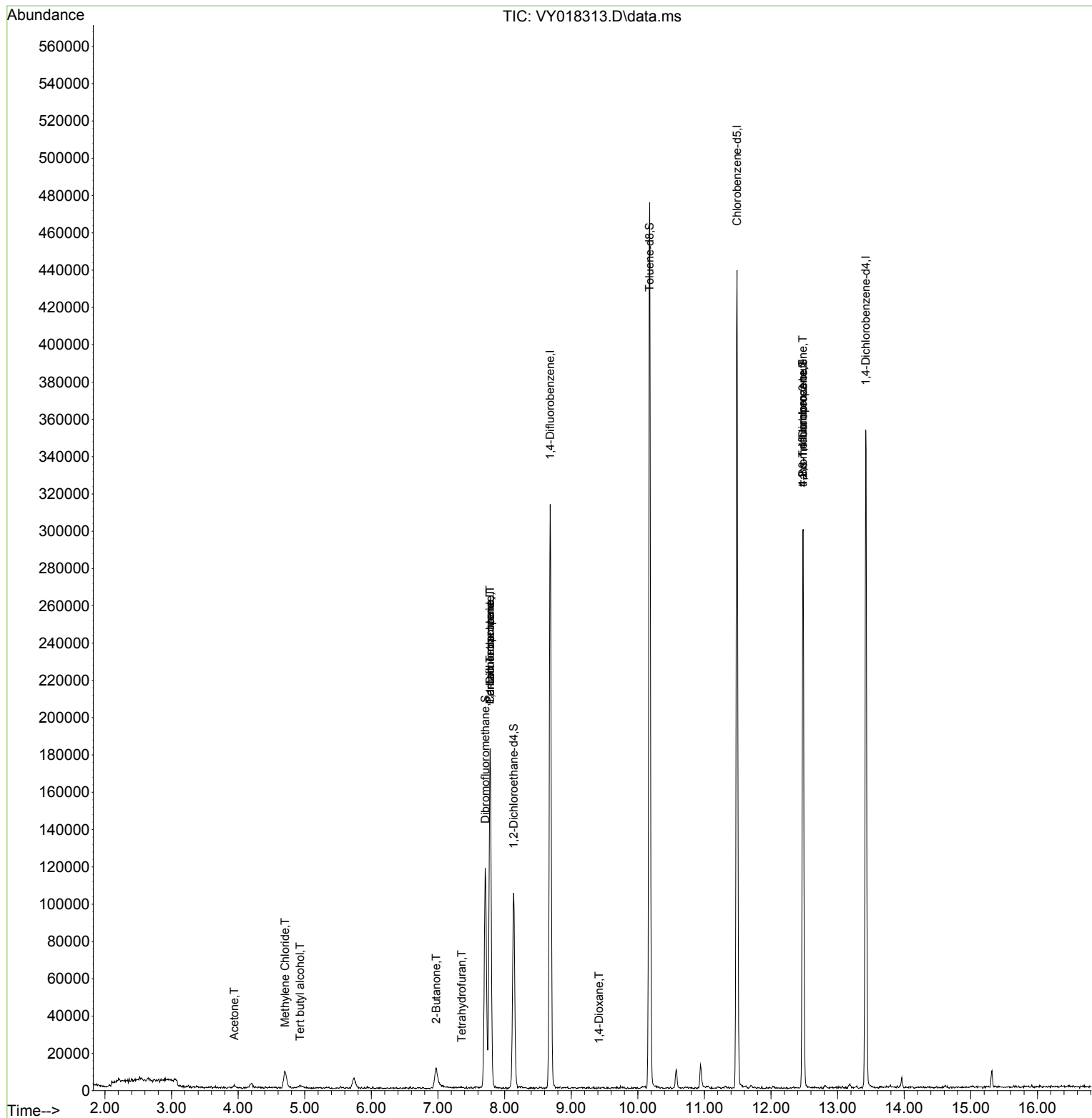
Internal Standards						
1) Pentafluorobenzene	7.783	168	139446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	275633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75999	74.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.160%	
35) Dibromofluoromethane	7.710	113	83852	57.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.780%	
50) Toluene-d8	10.179	98	318757	55.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.680%	
62) 4-Bromofluorobenzene	12.477	95	96523	52.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1958	10.368	ug/l #	97
13) Acrolein	3.747	56	19	Below Cal	#	1
16) Acetone	3.942	43	2181	10.654	ug/l	97
20) Methylene Chloride	4.704	84	7405	5.117	ug/l	88
25) 2-Butanone	6.972	43	845	2.582	ug/l	95
29) Tetrahydrofuran	7.356	42	248	1.148	ug/l #	66
31) Cyclohexane	7.789	56	2910	Below Cal	#	9
36) 1,1-Dichloropropene	7.783	75	11456	5.517	ug/l #	49
38) Carbon Tetrachloride	7.783	117	13923	6.136	ug/l #	18
49) 1,4-Dioxane	9.417	88	28	2.513	ug/l #	64
76) 1,2,3-Trichloropropane	12.477	75	49265	67.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49265	130.097	ug/l #	16

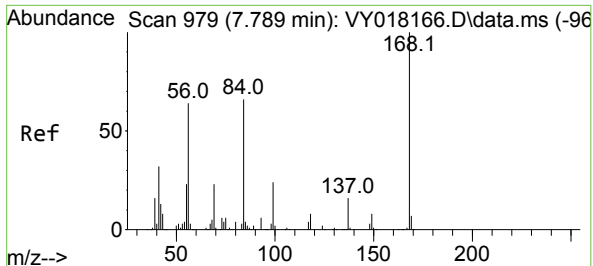
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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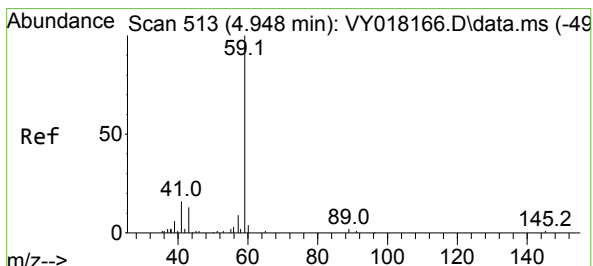
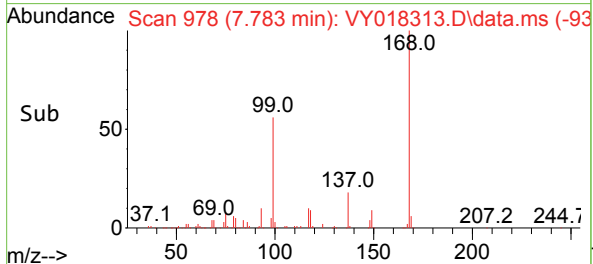
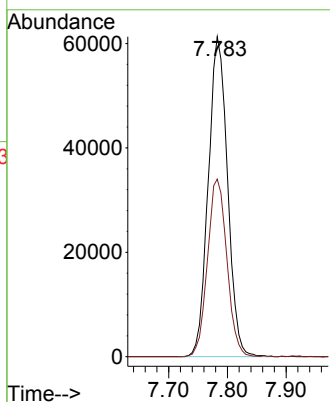
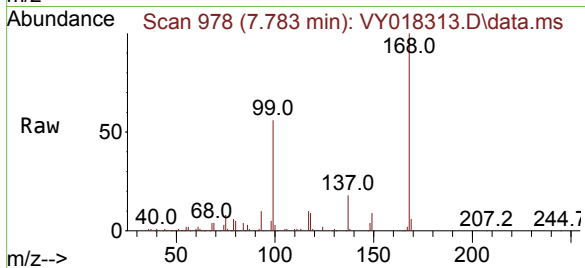




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

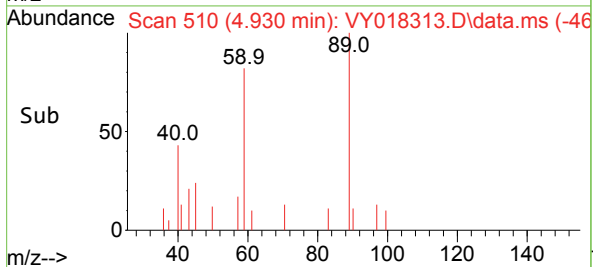
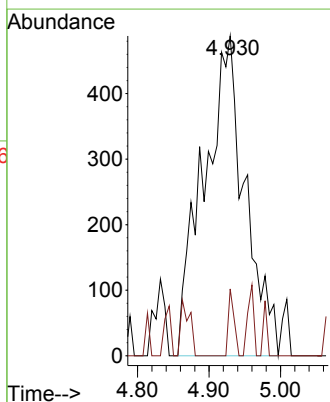
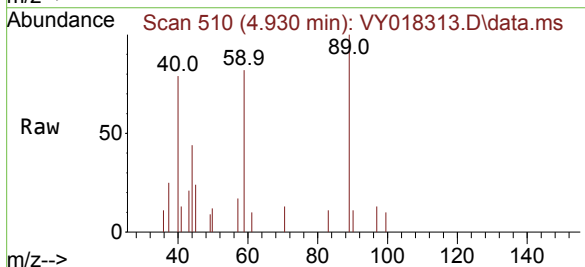
Instrument :
MSVOA_Y
ClientSampleId :
RT3823

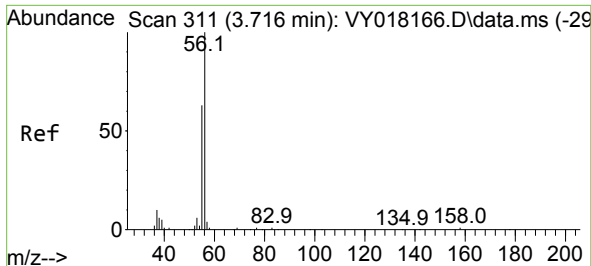
Tgt Ion:168 Resp: 139446
Ion Ratio Lower Upper
168 100
99 55.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 10.368 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

Tgt Ion: 59 Resp: 1958
Ion Ratio Lower Upper
59 100
57 2.9 3.0 4.6#

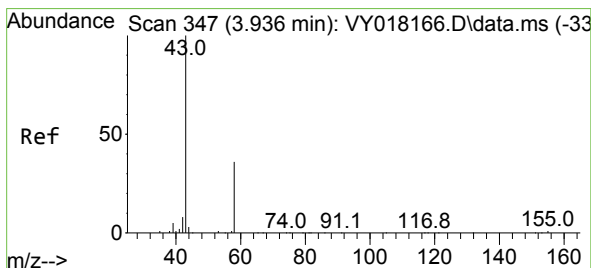
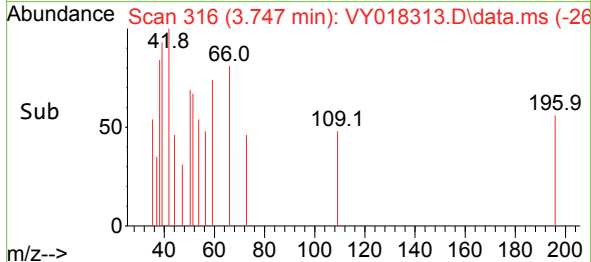
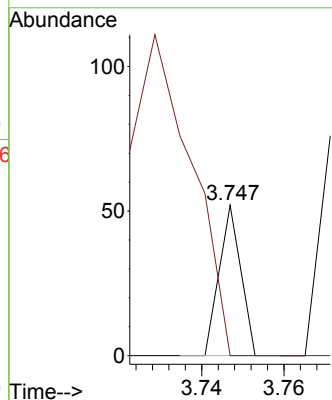
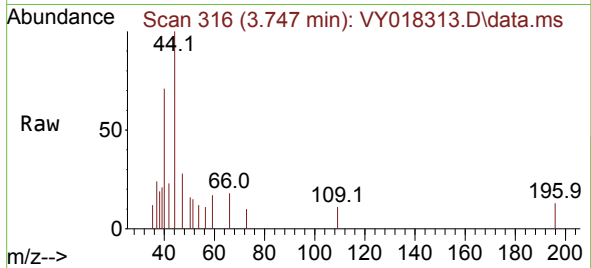




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 311
Delta R.T. 0.031 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

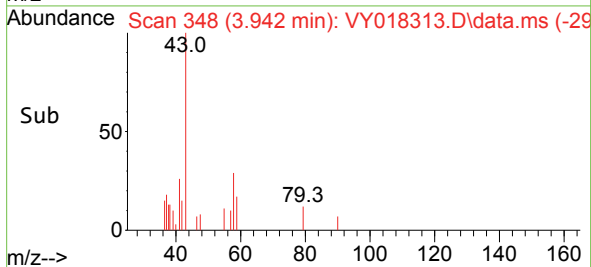
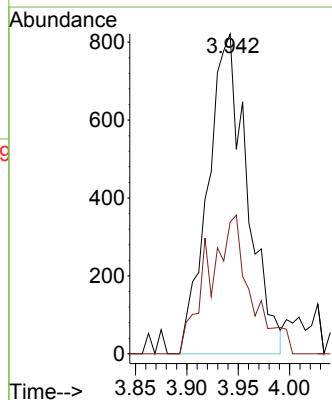
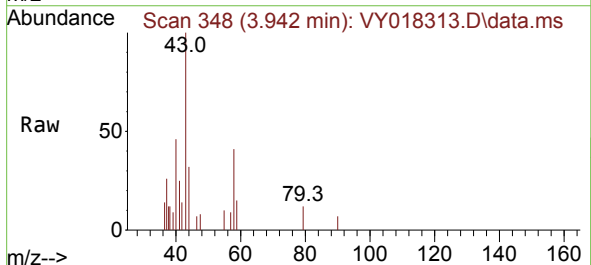
Instrument :
MSVOA_Y
ClientSampleId :
RT3823

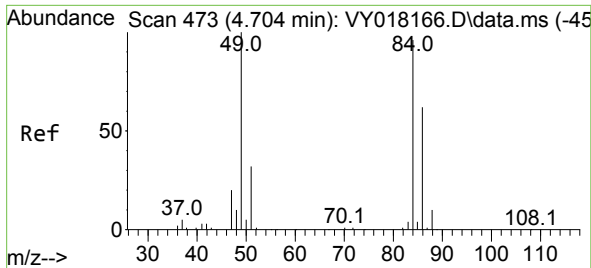
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 605.3 55.7 83.5#



#16
Acetone
Concen: 10.654 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

Tgt Ion: 43 Resp: 2181
Ion Ratio Lower Upper
43 100
58 41.2 31.7 47.5

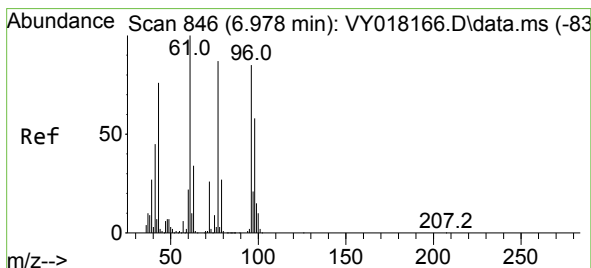
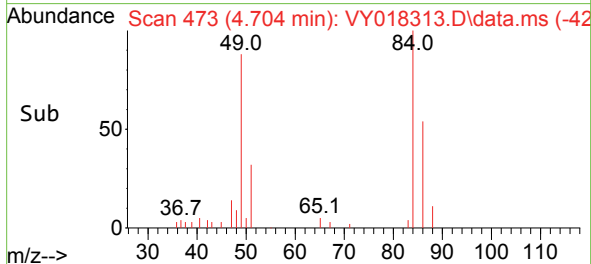
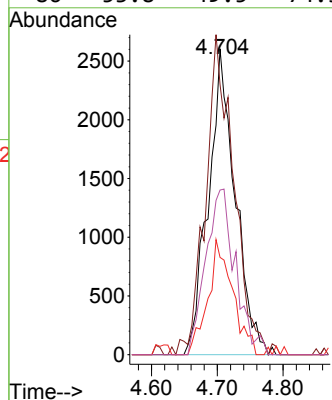
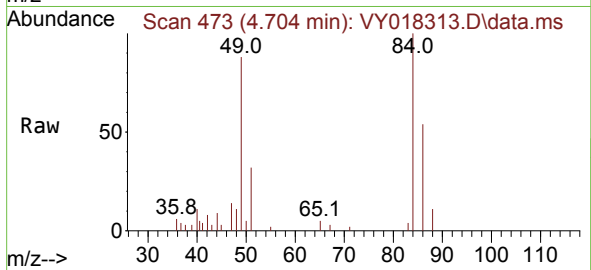




#20
Methylene Chloride
Concen: 5.117 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

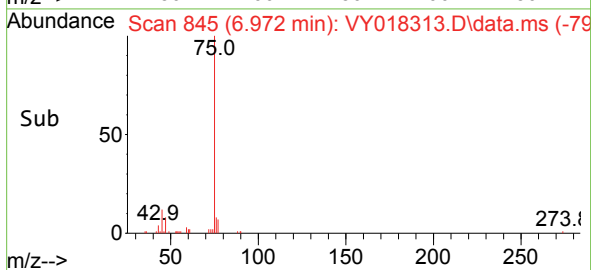
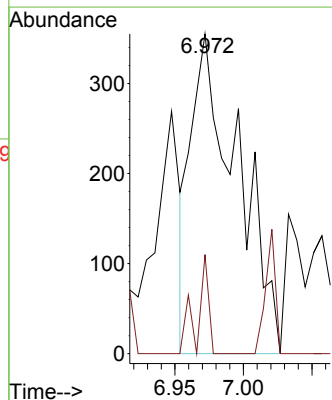
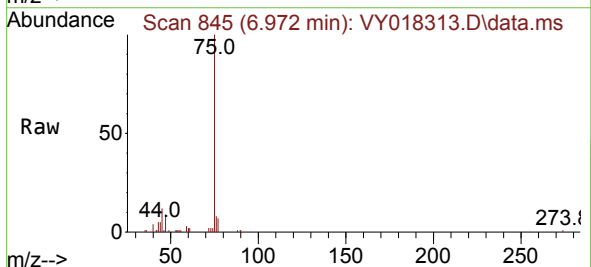
Instrument :
MSVOA_Y
ClientSampleId :
RT3823

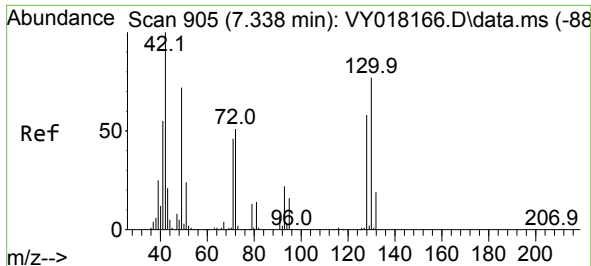
Tgt Ion:	84	Resp:	7405
Ion	Ratio	Lower	Upper
84	100		
49	88.3	84.4	126.6
51	31.8	26.0	39.0
86	53.8	49.5	74.3



#25
2-Butanone
Concen: 2.582 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

Tgt Ion:	43	Resp:	845
Ion	Ratio	Lower	Upper
43	100		
72	31.0	27.3	40.9





#29

Tetrahydrofuran

Concen: 1.148 ug/l

RT: 7.356 min Scan# 905

Delta R.T. 0.018 min

Lab File: VY018313.D

Acq: 17 May 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

RT3823

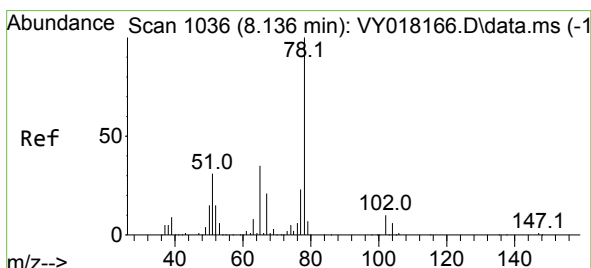
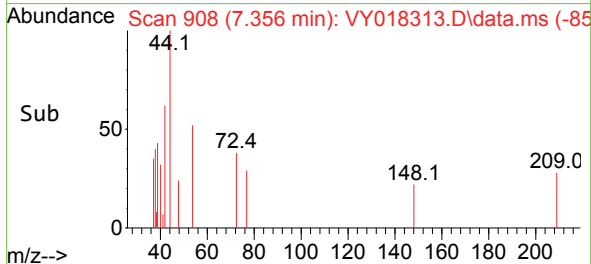
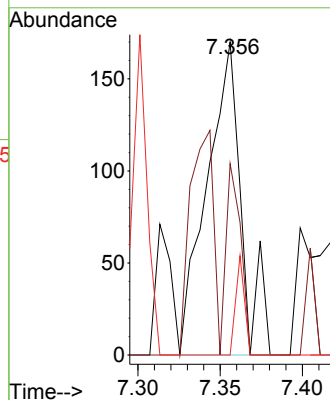
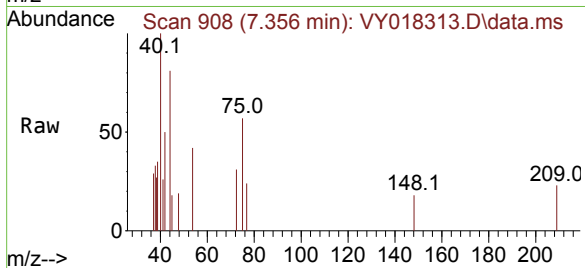
Tgt Ion: 42 Resp: 248

Ion Ratio Lower Upper

42 100

72 48.0 43.0 64.4

71 8.1 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 74.083 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018313.D

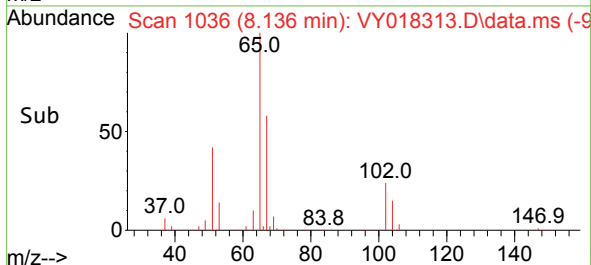
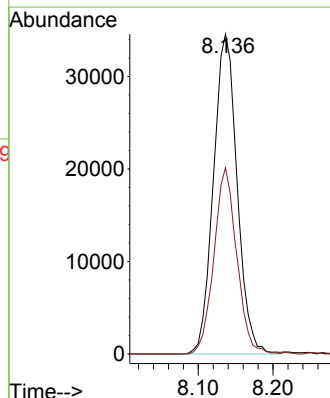
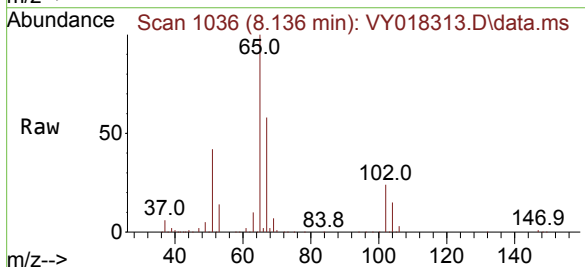
Acq: 17 May 2024 17:09

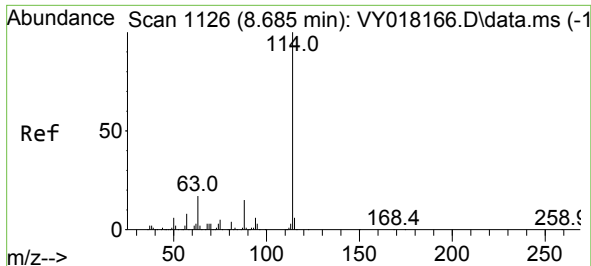
Tgt Ion: 65 Resp: 75999

Ion Ratio Lower Upper

65 100

67 55.9 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: VY018313.D

Acq: 17 May 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

RT3823

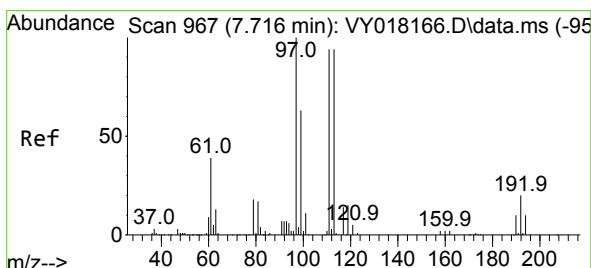
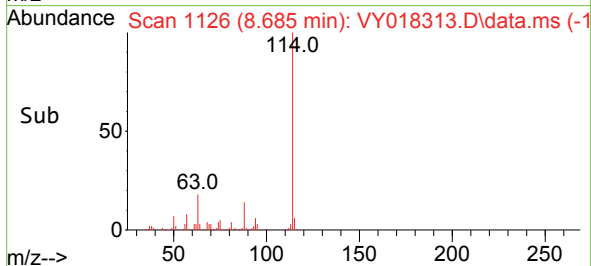
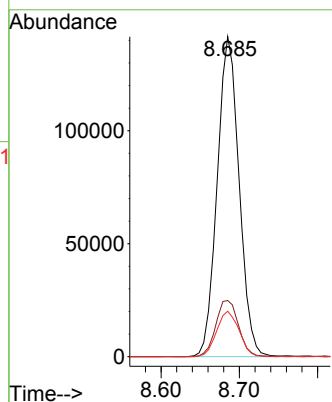
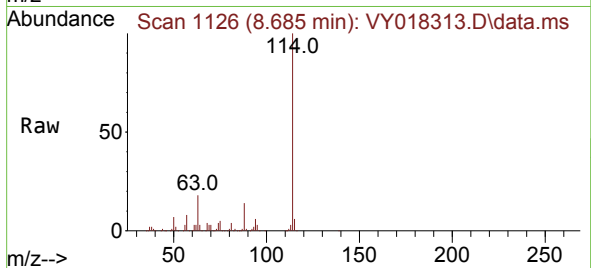
Tgt Ion:114 Resp: 275633

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.886 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY018313.D

Acq: 17 May 2024 17:09

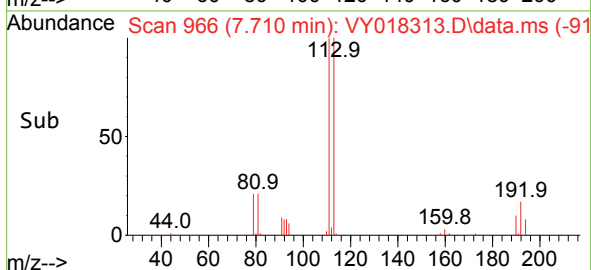
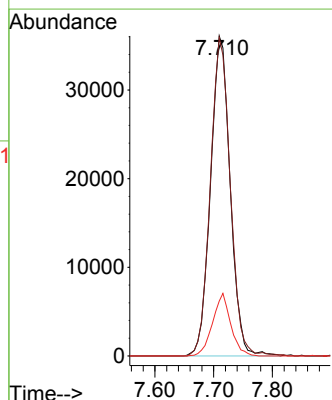
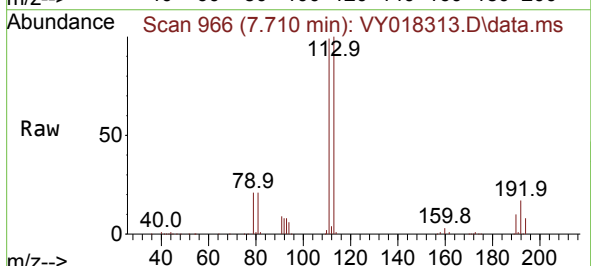
Tgt Ion:113 Resp: 83852

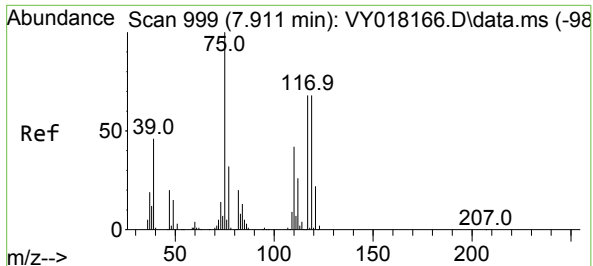
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 18.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.517 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018313.D

Acq: 17 May 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

RT3823

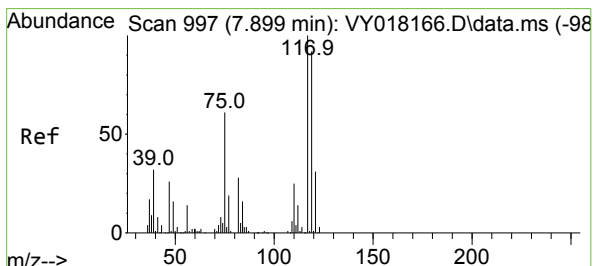
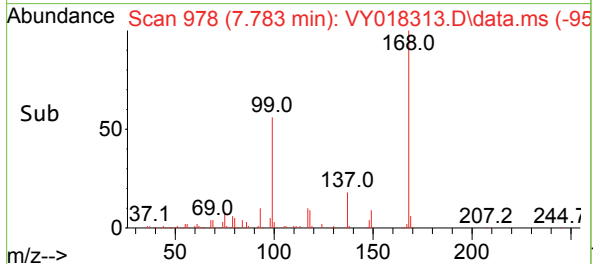
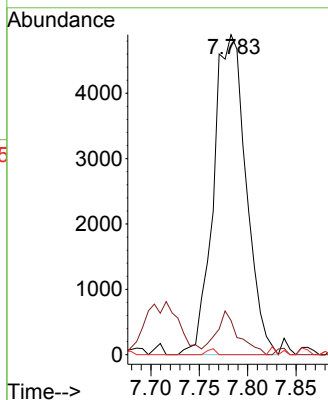
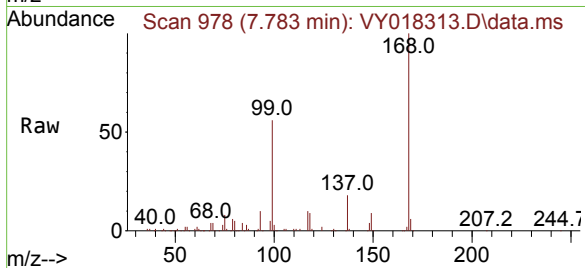
Tgt Ion: 75 Resp: 11456

Ion Ratio Lower Upper

75 100

110 9.3 19.0 57.0#

77 0.5 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY018313.D

Acq: 17 May 2024 17:09

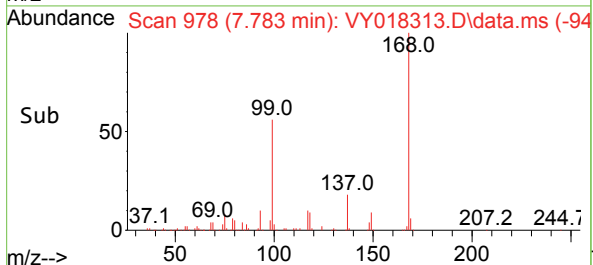
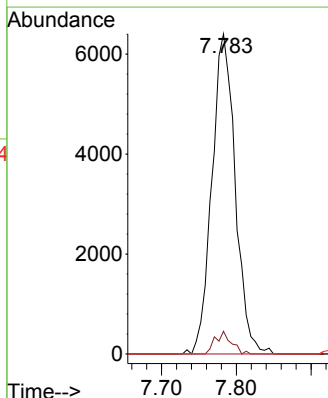
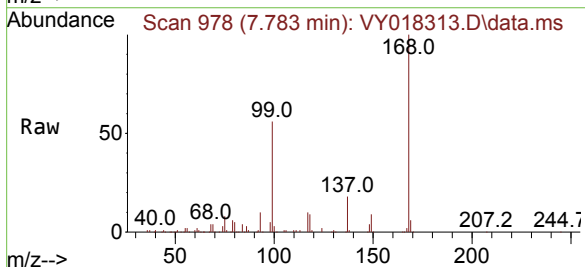
Tgt Ion: 117 Resp: 13923

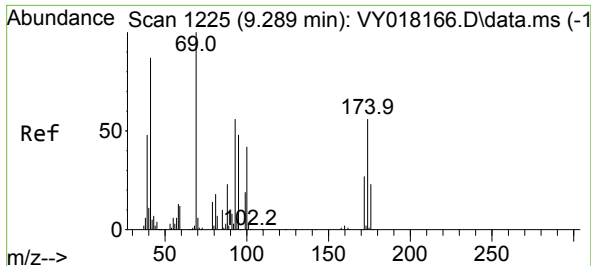
Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.6#

121 0.0 24.0 36.0#

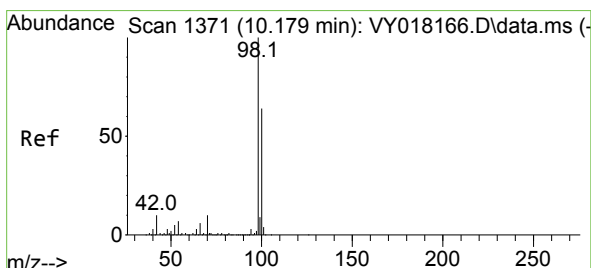
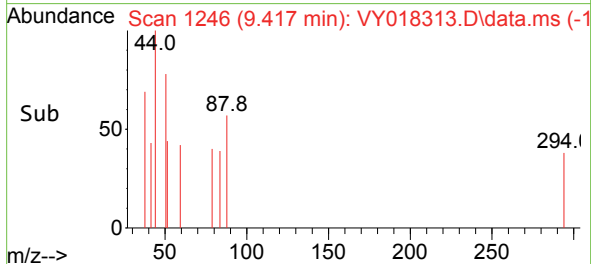
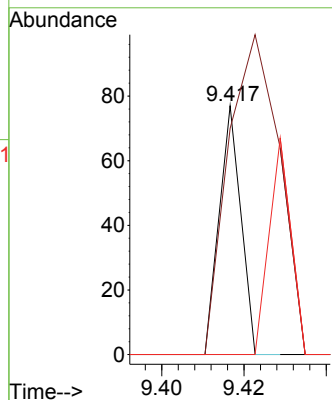
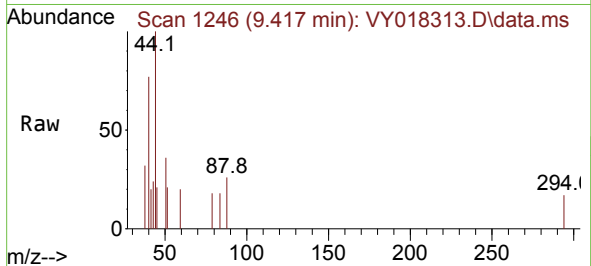




#49
1,4-Dioxane
Concen: 2.513 ug/l
RT: 9.417 min Scan# 1246
Delta R.T. 0.128 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

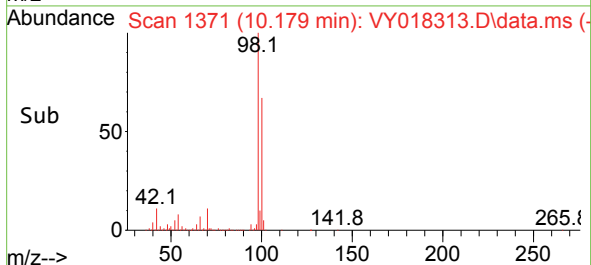
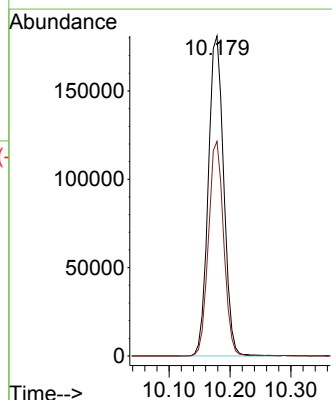
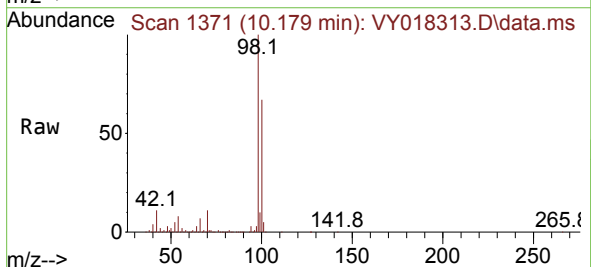
Instrument :
MSVOA_Y
ClientSampleId :
RT3823

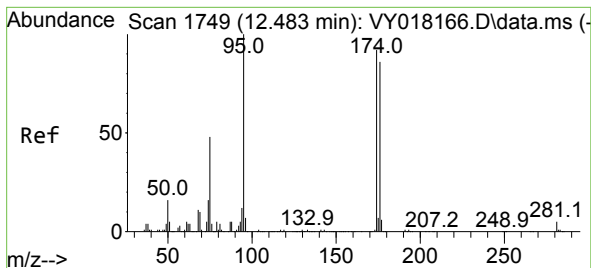
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 303.6 0.0 0.0#
58 89.3 49.3 73.9#



#50
Toluene-d8
Concen: 55.841 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

Tgt Ion: 98 Resp: 318757
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0

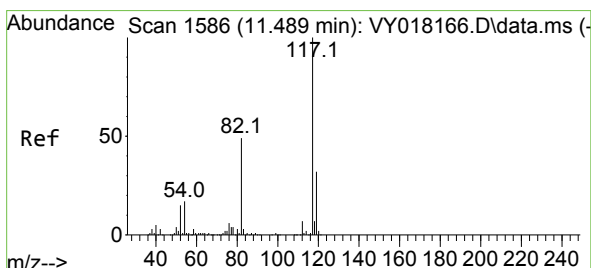
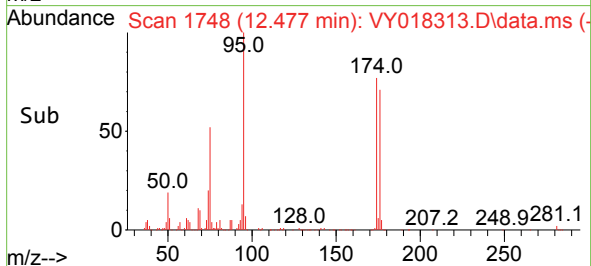
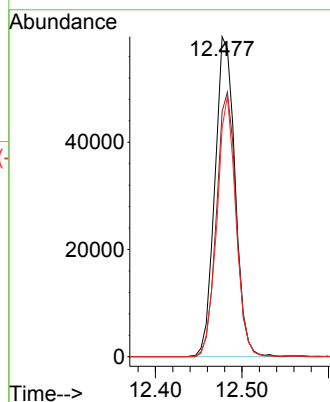
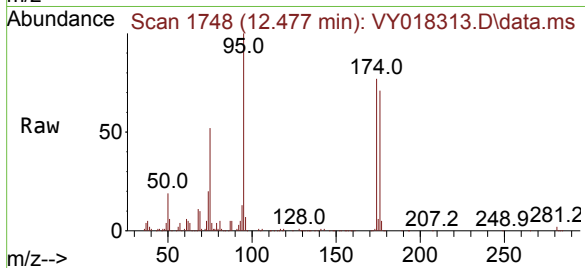




#62
4-Bromofluorobenzene
Concen: 52.360 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

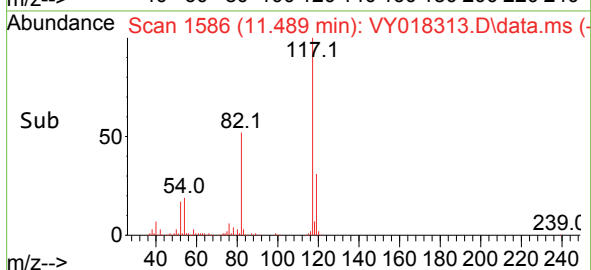
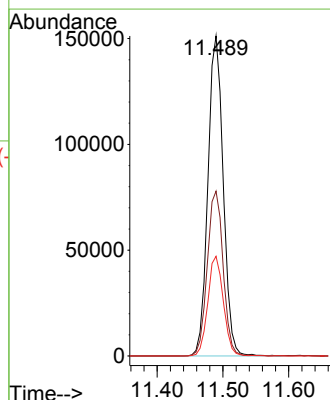
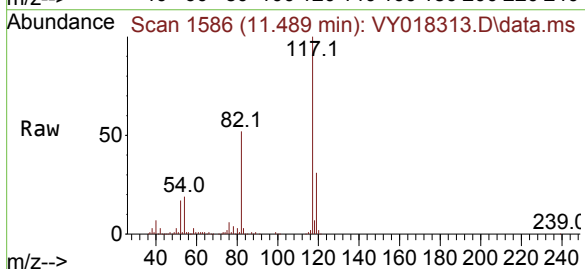
Instrument :
MSVOA_Y
ClientSampleId :
RT3823

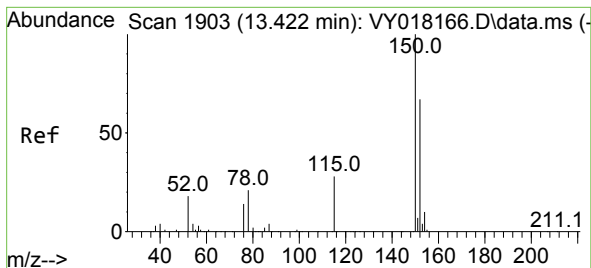
Tgt Ion: 95 Resp: 96523
Ion Ratio Lower Upper
95 100
174 80.8 0.0 175.6
176 76.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018313.D
Acq: 17 May 2024 17:09

Tgt Ion: 117 Resp: 245173
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 31.1 25.9 38.9

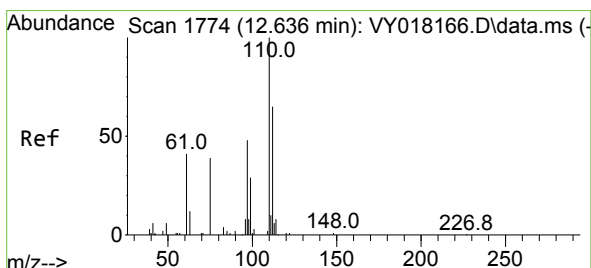
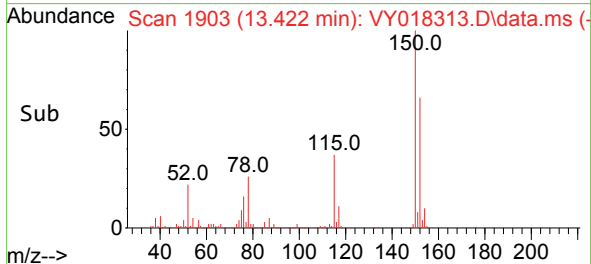
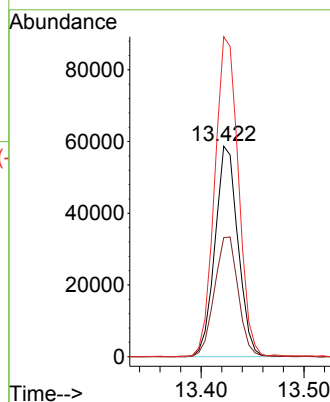
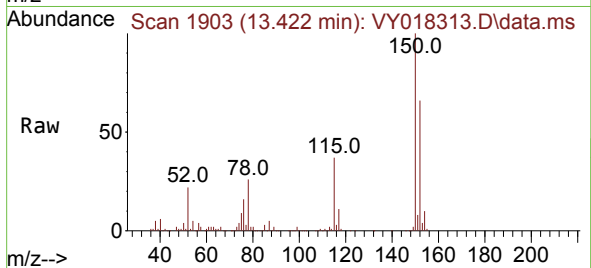




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY018313.D
 Acq: 17 May 2024 17:09

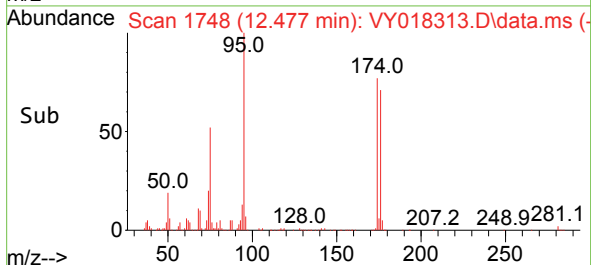
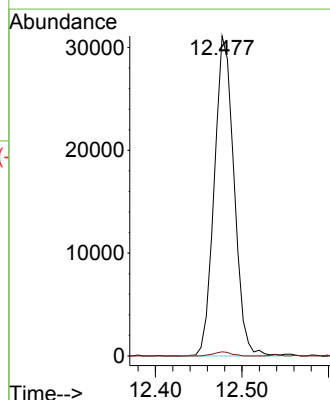
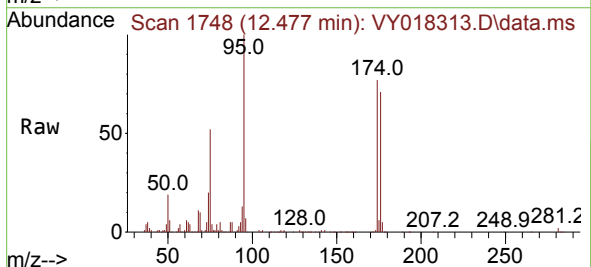
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3823

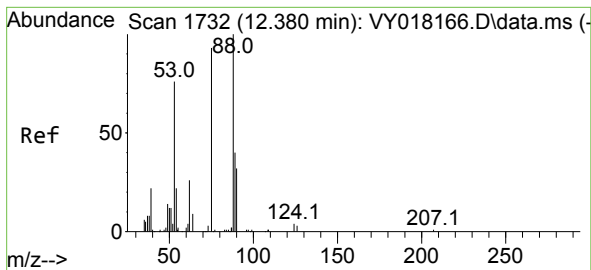
Tgt Ion:152 Resp: 91149
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.2 84.7
 150 156.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 67.524 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY018313.D
 Acq: 17 May 2024 17:09

Tgt Ion: 75 Resp: 49265
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.097 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018313.D
 Acq: 17 May 2024 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3823

Tgt Ion: 75 Resp: 49265
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.2 35.8 53.6#

