

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018289.D
 Acq On : 16 May 2024 16:47
 Operator : SY/MD
 Sample : P2500-02
 Misc : 6.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-112-SB02

Quant Time: May 17 01:16:56 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)

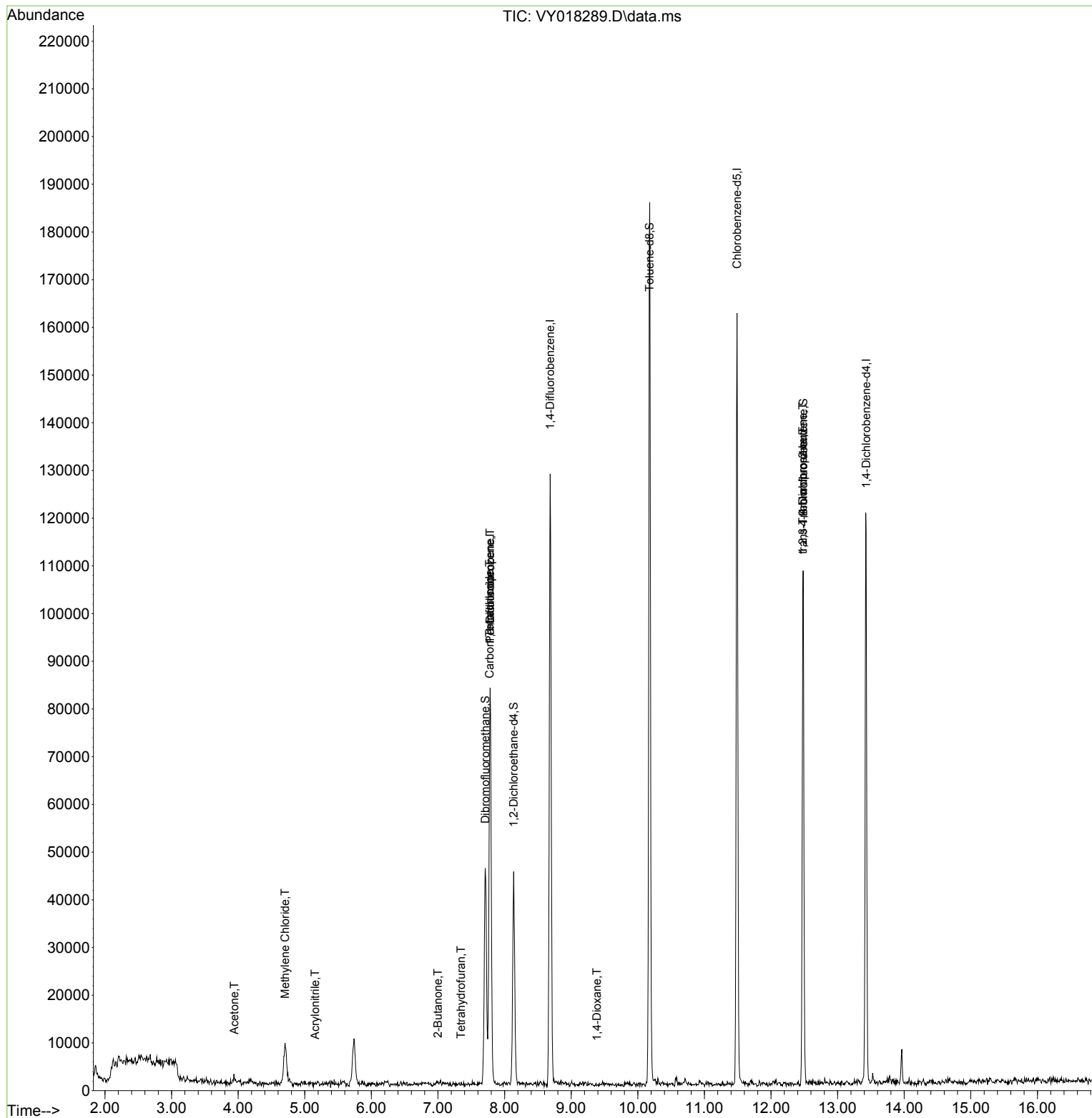
Internal Standards						
1) Pentafluorobenzene	7.783	168	63057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	114907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	90243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	30905	66.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.240%			
35) Dibromofluoromethane	7.710	113	32933	54.535	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.060%			
50) Toluene-d8	10.179	98	125695	52.820	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.483	95	34228	44.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.080%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	21	Below Cal	#	1
13) Acrolein	3.723	56	28	Below Cal	#	15
15) Acrylonitrile	5.155	53	170	1.413	ug/l #	80
16) Acetone	3.942	43	2292	24.759	ug/l #	84
20) Methylene Chloride	4.704	84	6288	9.610	ug/l #	94
25) 2-Butanone	6.996	43	611	4.129	ug/l	88
29) Tetrahydrofuran	7.344	42	154	1.577	ug/l #	34
31) Cyclohexane	7.783	56	1578	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	4771	5.511	ug/l #	50
38) Carbon Tetrachloride	7.777	117	6505	6.877	ug/l #	17
49) 1,4-Dioxane	9.386	88	20	4.305	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	17190	70.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17190	136.005	ug/l #	16

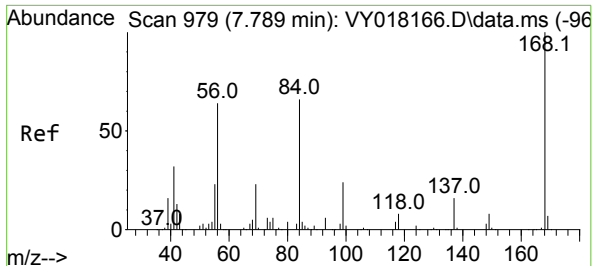
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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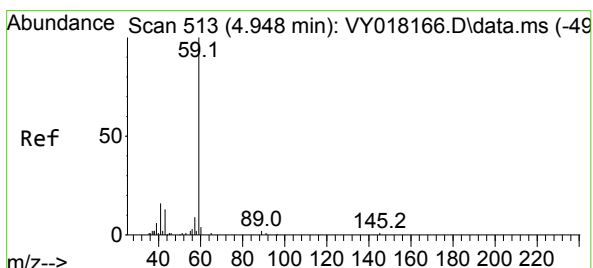
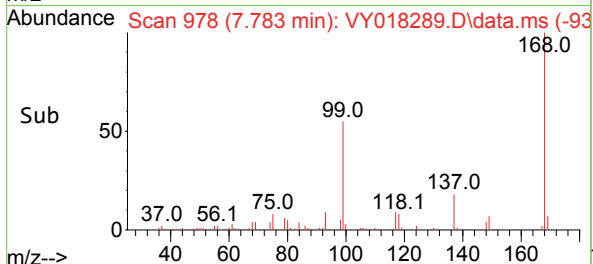
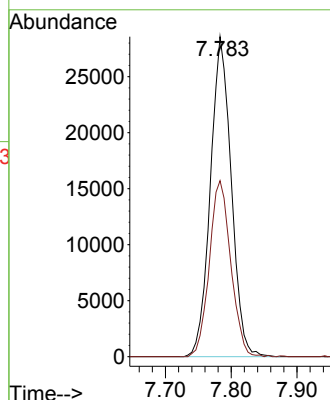
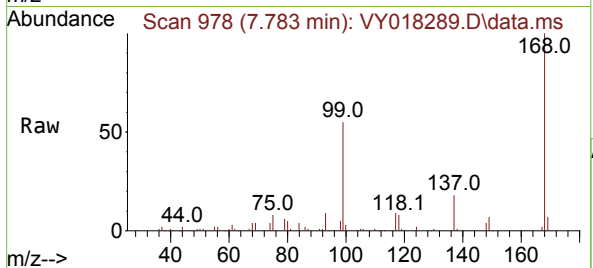




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

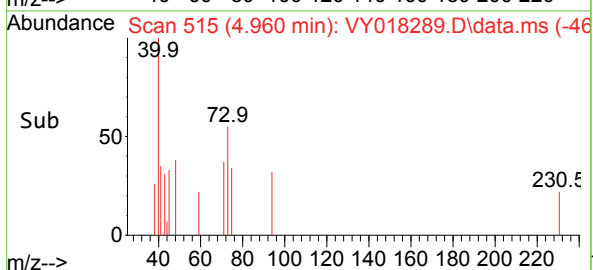
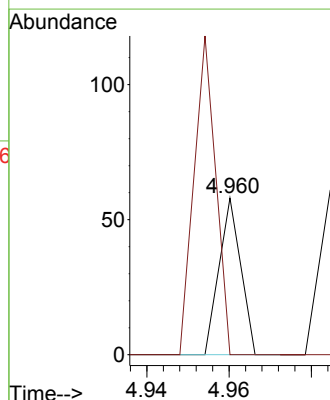
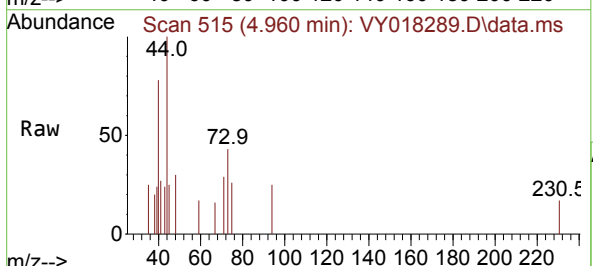
Instrument :
MSVOA_Y
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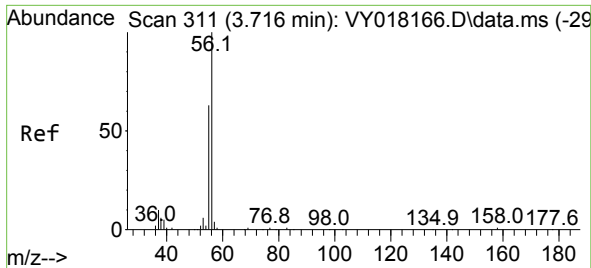
Tgt Ion:168 Resp: 63057
Ion Ratio Lower Upper
168 100
99 55.0 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 204.8 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.723 min Scan# 31

Delta R.T. 0.007 min

Lab File: VY018289.D

Acq: 16 May 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

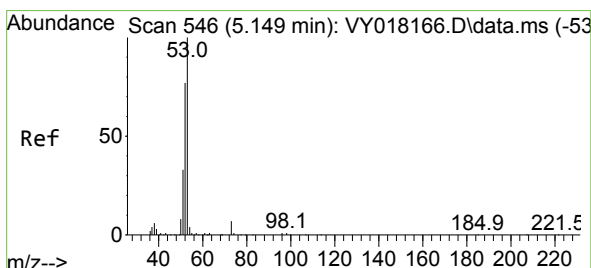
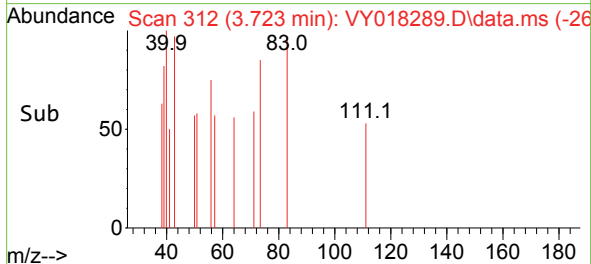
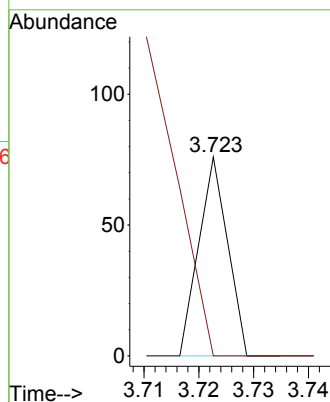
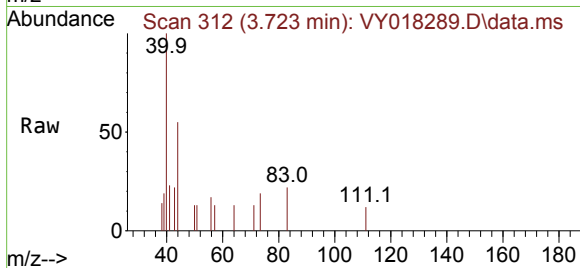
B-112-SB02

Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#15

Acrylonitrile

Concen: 1.413 ug/l

RT: 5.155 min Scan# 547

Delta R.T. 0.006 min

Lab File: VY018289.D

Acq: 16 May 2024 16:47

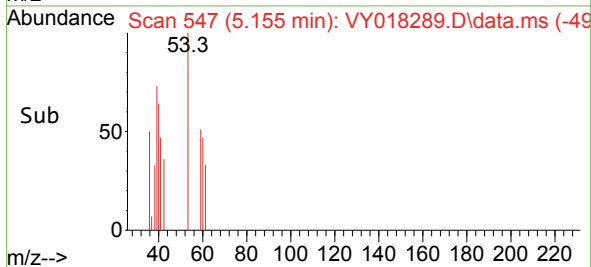
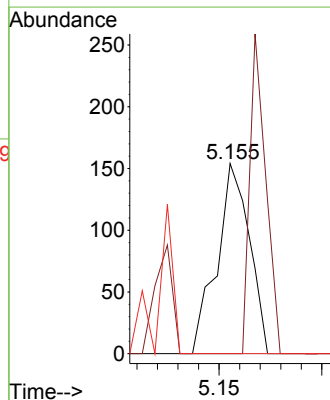
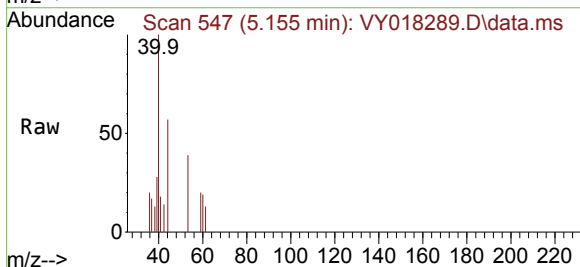
Tgt Ion: 53 Resp: 170

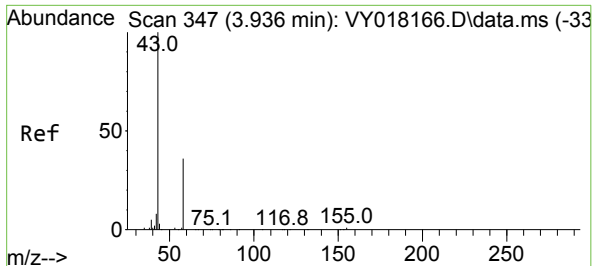
Ion Ratio Lower Upper

53 100

52 82.4 64.7 97.1

51 0.0 28.4 42.6#

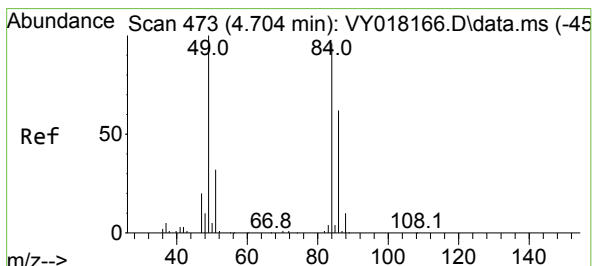
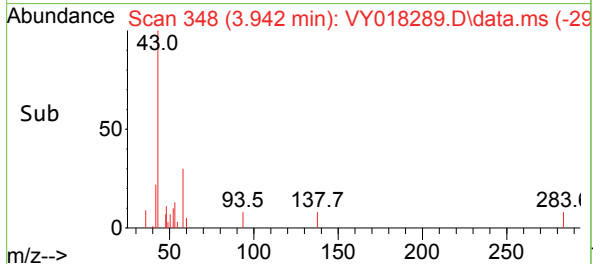
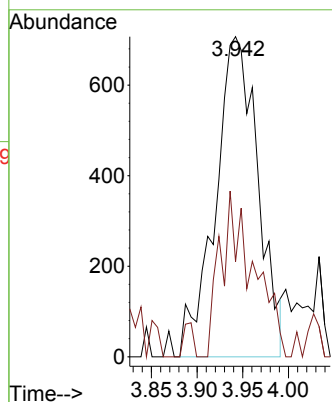
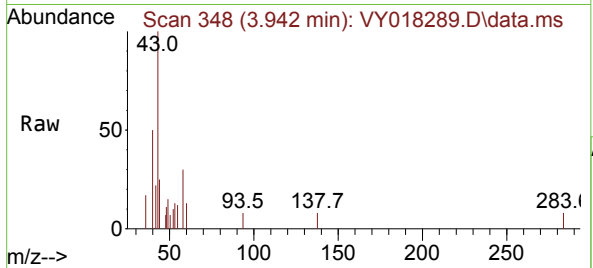




#16
Acetone
Concen: 24.759 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

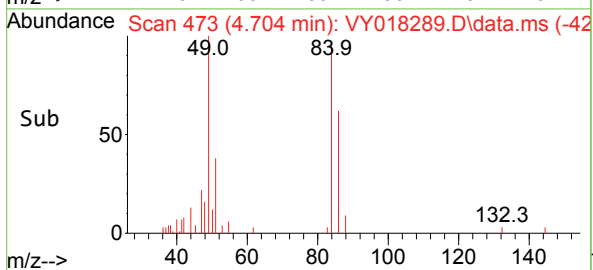
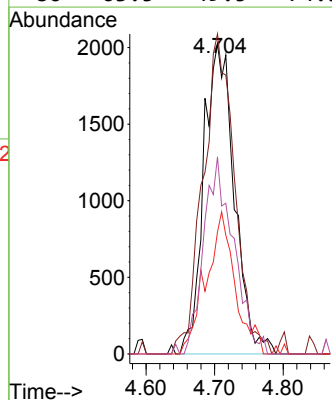
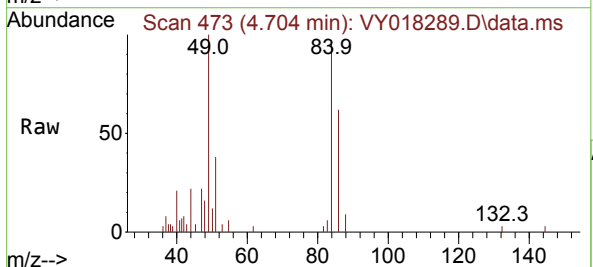
Instrument :
MSVOA_Y
ClientSampleId :
B-112-SB02

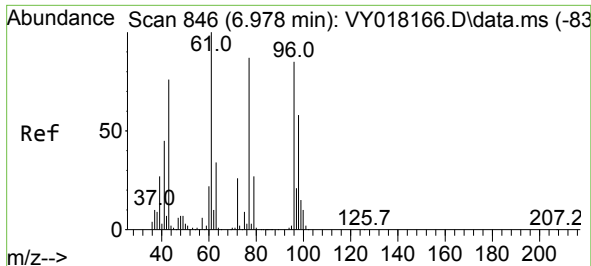
Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 29.7 31.7 47.5#



#20
Methylene Chloride
Concen: 9.610 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

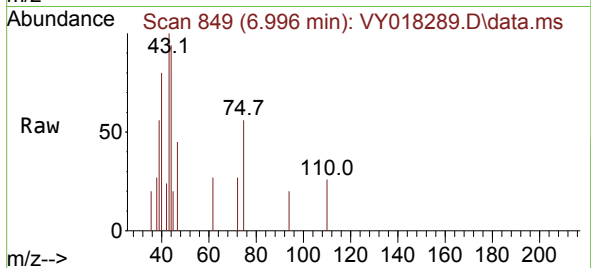
Tgt Ion: 84 Resp: 6288
Ion Ratio Lower Upper
84 100
49 99.1 84.4 126.6
51 39.3 26.0 39.0#
86 63.5 49.5 74.3



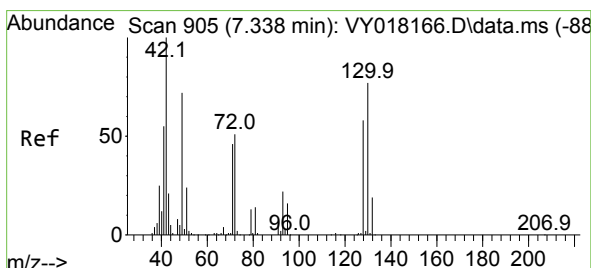
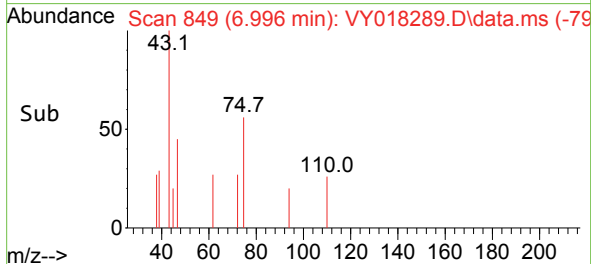
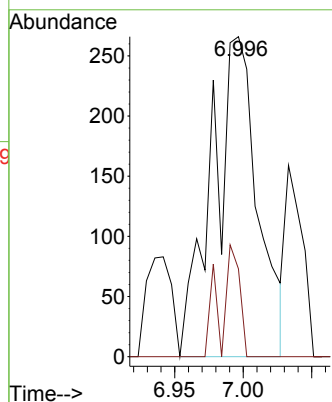


#25
2-Butanone
Concen: 4.129 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.018 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :
B-112-SB02

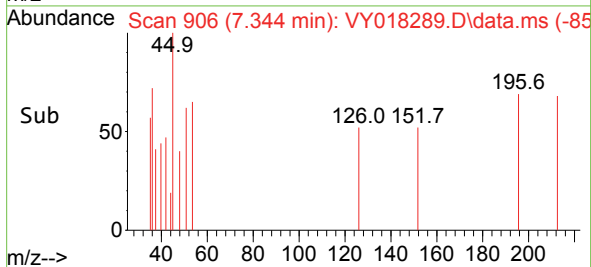
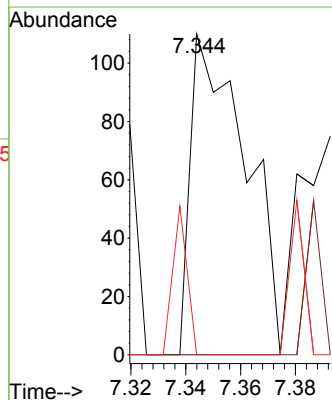
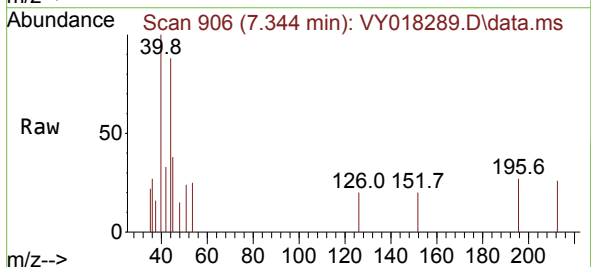


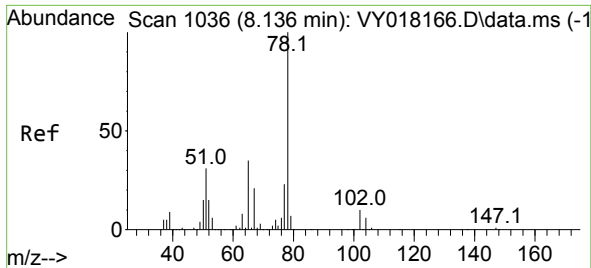
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
72 27.4 27.3 40.9



#29
Tetrahydrofuran
Concen: 1.577 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 42 Resp: 154
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 12.3 40.8 61.2#

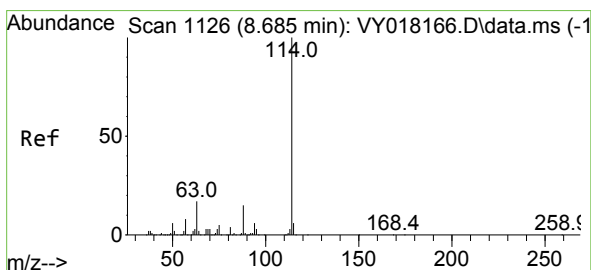
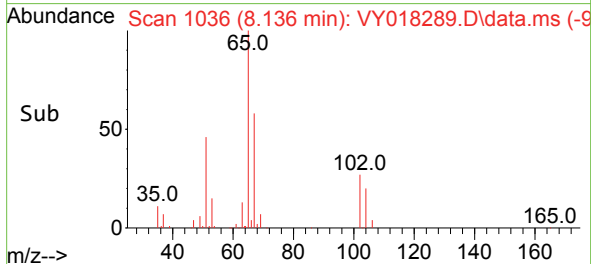
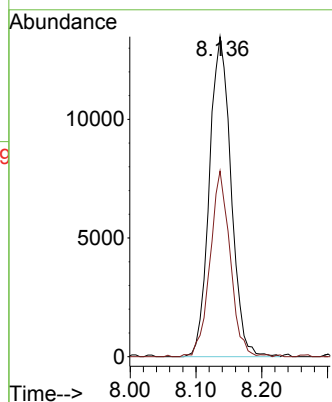
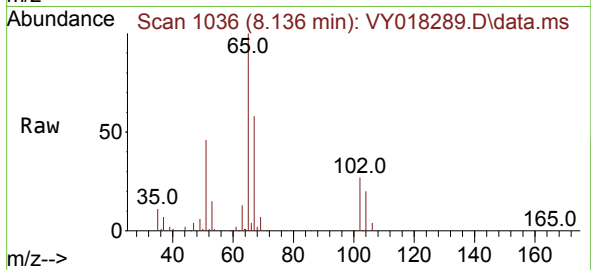




#33
 1,2-Dichloroethane-d4
 Concen: 66.621 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY018289.D
 Acq: 16 May 2024 16:47

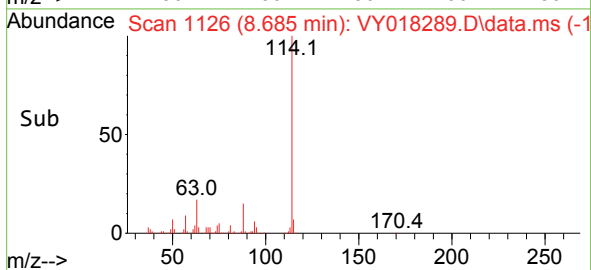
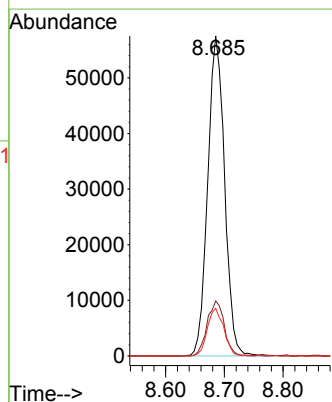
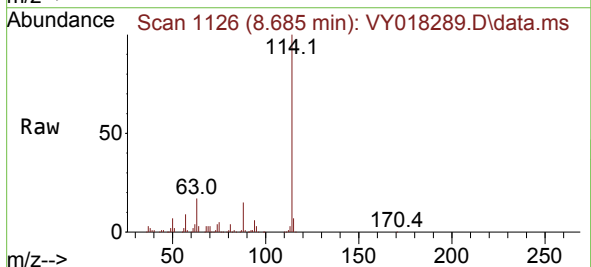
Instrument :
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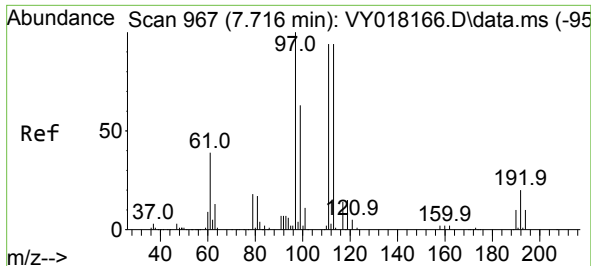
Tgt Ion: 65 Resp: 30905
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY018289.D
 Acq: 16 May 2024 16:47

Tgt Ion: 114 Resp: 114907
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 14.9 0.0 27.2

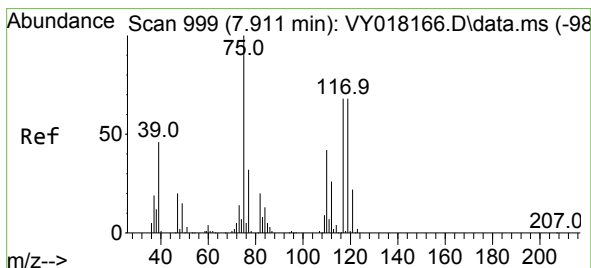
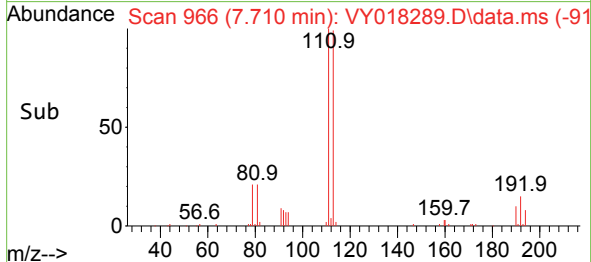
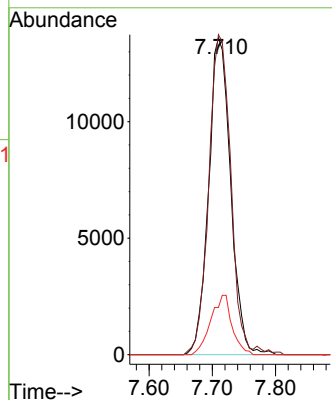
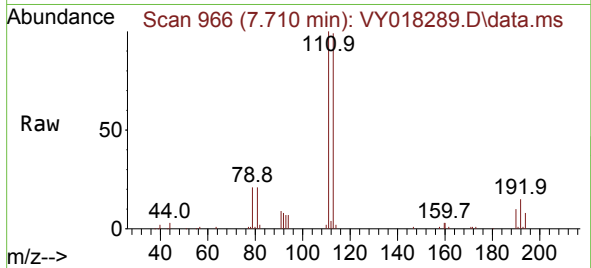




#35
Dibromofluoromethane
Concen: 54.535 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

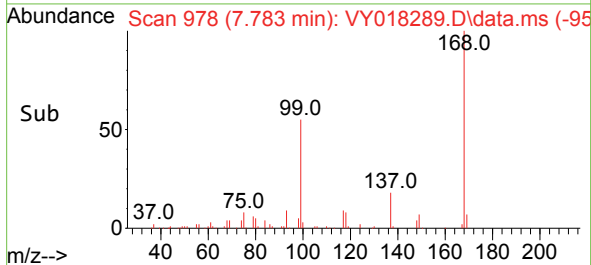
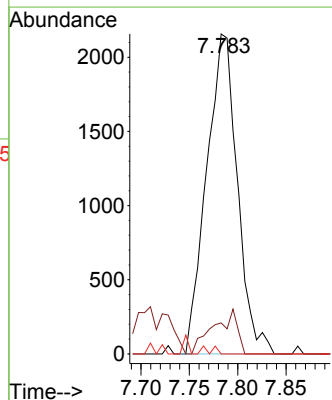
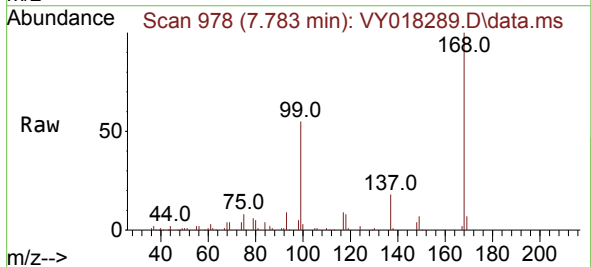
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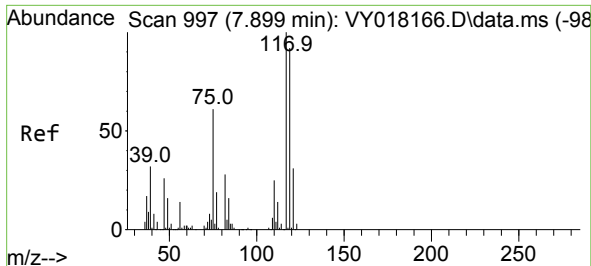
Tgt Ion:113 Resp: 32933
Ion Ratio Lower Upper
113 100
111 100.0 82.2 123.4
192 18.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.511 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 75 Resp: 4771
Ion Ratio Lower Upper
75 100
110 10.9 19.0 57.0#
77 0.0 25.3 37.9#

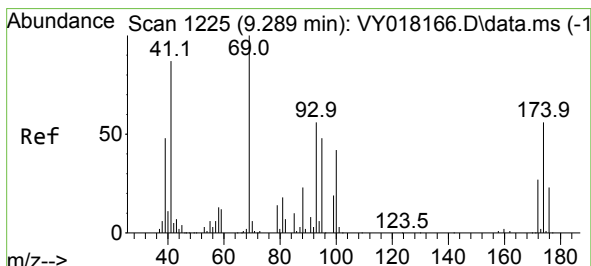
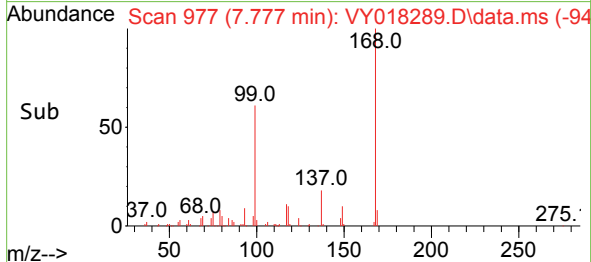
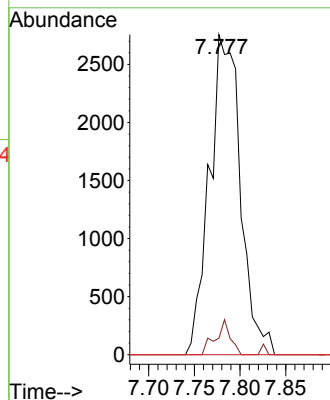
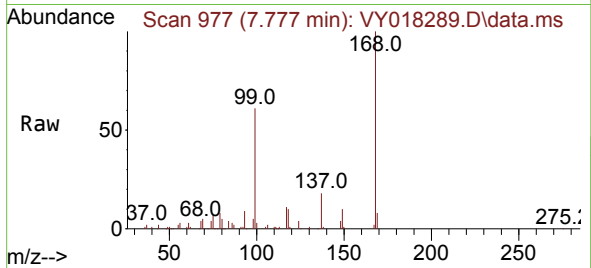




#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

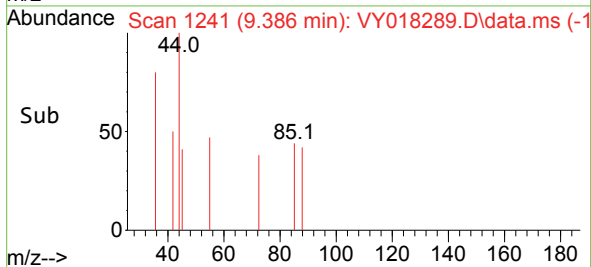
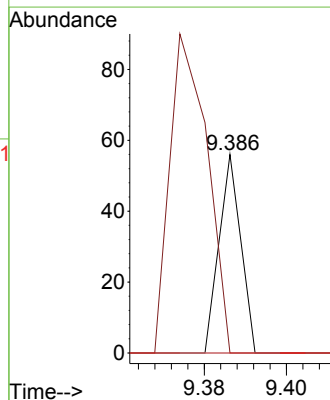
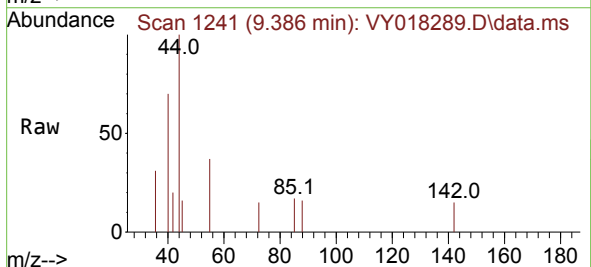
Instrument :
MSVOA_Y
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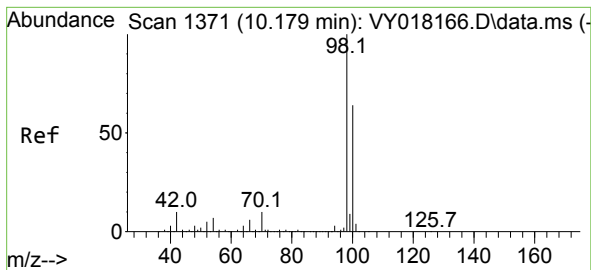
Tgt Ion:117 Resp: 6505
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 4.305 ug/l
RT: 9.386 min Scan# 1241
Delta R.T. 0.098 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 285.0 0.0 0.0#
58 0.0 49.3 73.9#

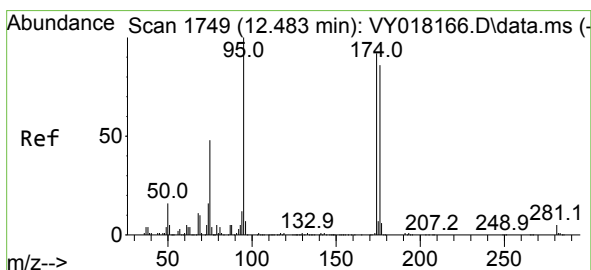
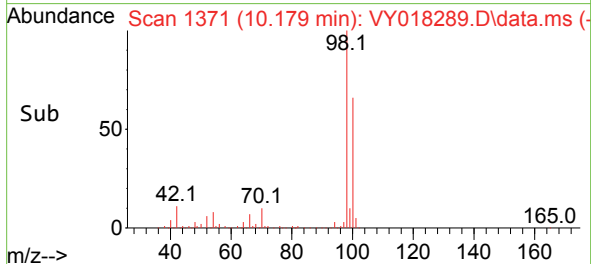
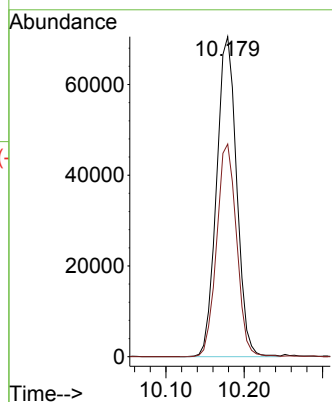
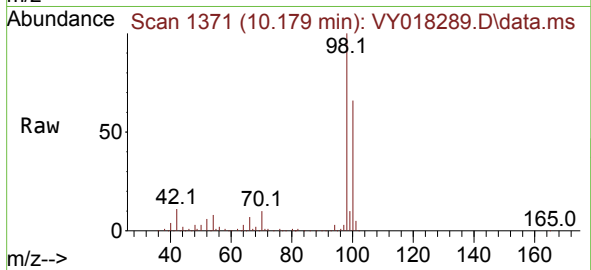




#50
Toluene-d8
Concen: 52.820 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

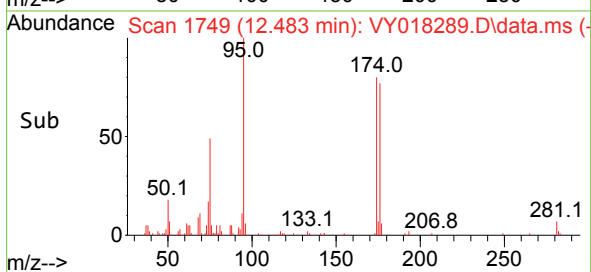
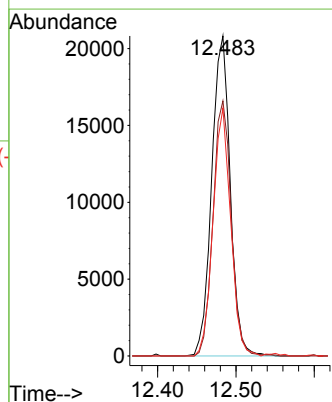
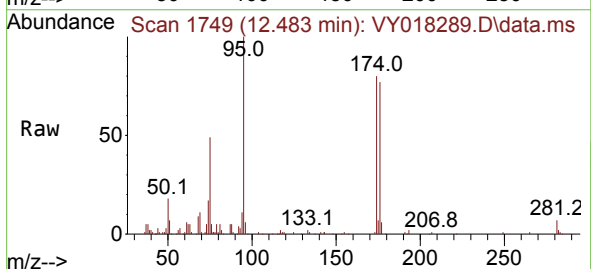
Instrument :
MSVOA_Y
ClientSampleId :
B-112-SB02

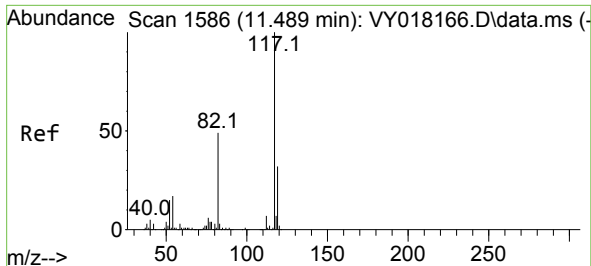
Tgt Ion: 98 Resp: 125695
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.539 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 95 Resp: 34228
Ion Ratio Lower Upper
95 100
174 78.4 0.0 175.6
176 73.7 0.0 171.4

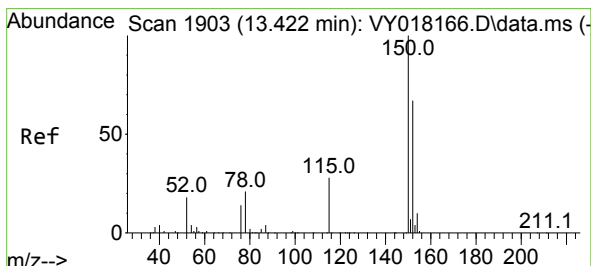
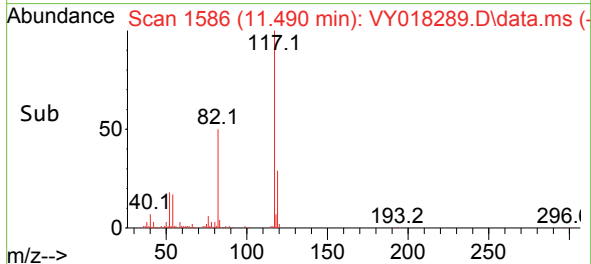
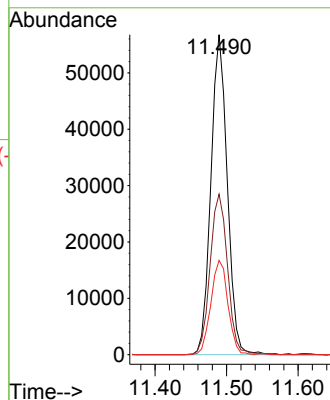
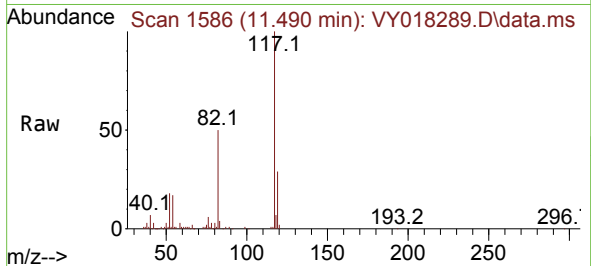




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

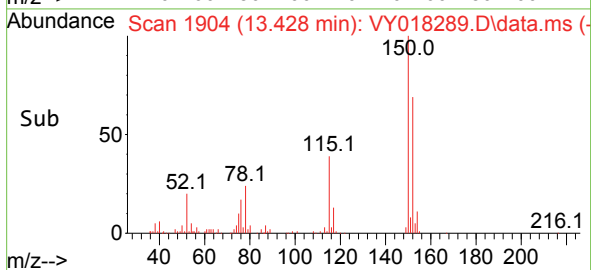
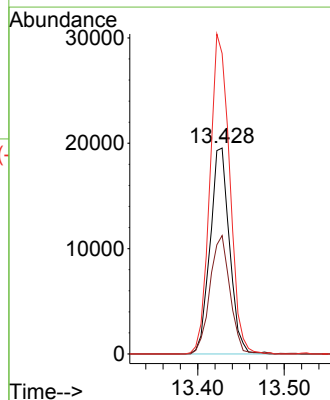
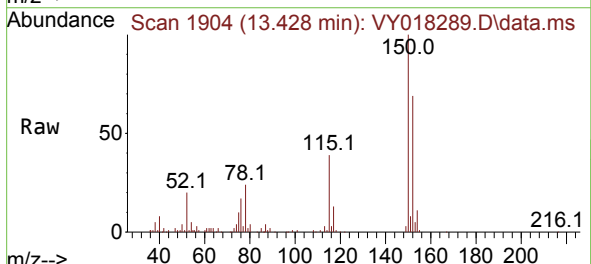
Instrument :
MSVOA_Y
ClientSampleId :
B-112-SB02

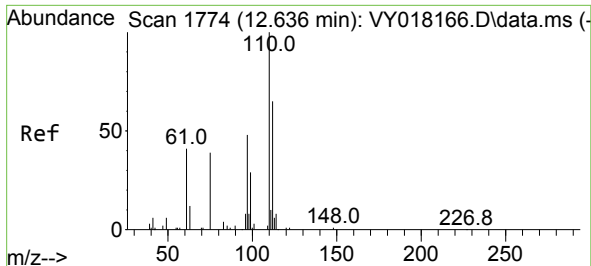
Tgt Ion:117 Resp: 90243
Ion Ratio Lower Upper
117 100
82 50.1 42.4 63.6
119 29.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion:152 Resp: 30423
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 158.3 0.0 345.6

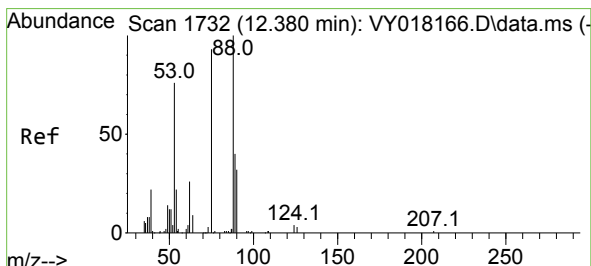
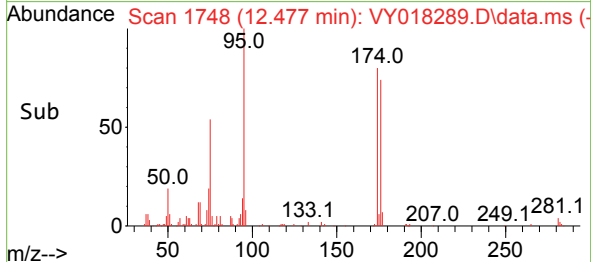
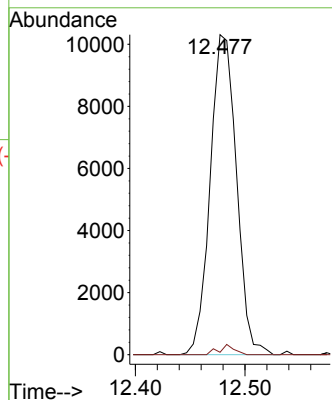
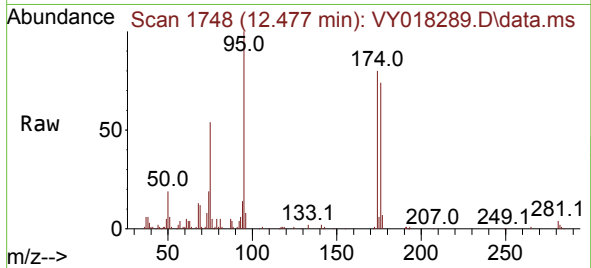




#76
1,2,3-Trichloropropane
Concen: 70.591 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :
B-112-SB02

Tgt Ion: 75 Resp: 17190
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.005 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018289.D
Acq: 16 May 2024 16:47

Tgt Ion: 75 Resp: 17190
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#

