

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018315.D
 Acq On : 17 May 2024 17:57
 Operator : SY/MD
 Sample : P2495-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3463RE

Quant Time: May 18 00:53:58 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)

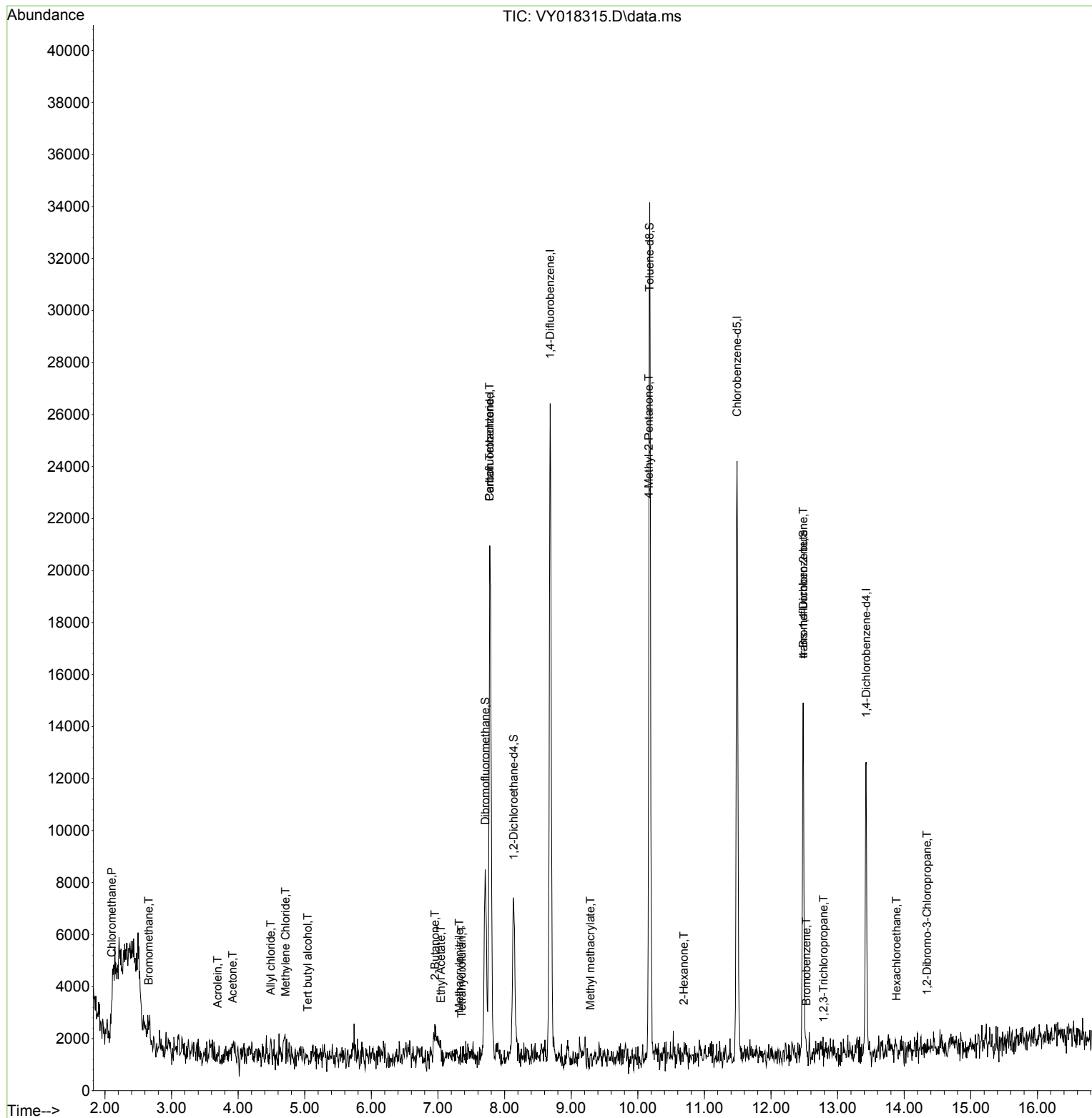
Internal Standards						
1) Pentafluorobenzene	7.777	168	14464	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	21469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4383	41.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.380%
35) Dibromofluoromethane	7.710	113	5128	45.449	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.900%
50) Toluene-d8	10.179	98	22052	49.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.483	95	3874	26.980	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	189	1.231	ug/l #	43
5) Bromomethane	2.656	94	188	1.454	ug/l #	3
11) Tert butyl alcohol	5.046	59	134	2.613	ug/l #	1
13) Acrolein	3.692	56	186	13.594	ug/l #	35
14) Allyl chloride	4.491	41	318	1.787	ug/l #	24
16) Acetone	3.918	43	125	5.887	ug/l #	36
20) Methylene Chloride	4.710	84	335	2.232	ug/l #	64
25) 2-Butanone	6.954	43	80	2.357	ug/l #	76
29) Tetrahydrofuran	7.356	42	128	5.713	ug/l #	38
37) Ethyl Acetate	7.045	43	110	1.616	ug/l #	72
38) Carbon Tetrachloride	7.777	117	1818	10.286	ug/l #	13
41) Methacrylonitrile	7.320	41	132	3.358	ug/l #	33
48) Methyl methacrylate	9.289	41	123	1.923	ug/l #	10
51) 4-Methyl-2-Pentanone	10.167	43	244	3.479	ug/l	88
59) 2-Hexanone	10.691	43	129	2.631	ug/l	88
76) 1,2,3-Trichloropropane	12.788	75	90	4.375	ug/l #	100
77) Bromobenzene	12.532	156	45	1.017	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	2051	192.093	ug/l #	21
90) Hexachloroethane	13.885	117	51	1.537	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.343	75	18	4.301	ug/l #	27

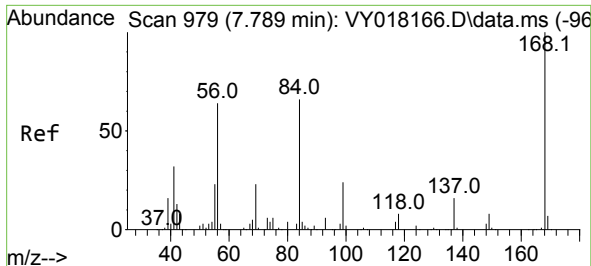
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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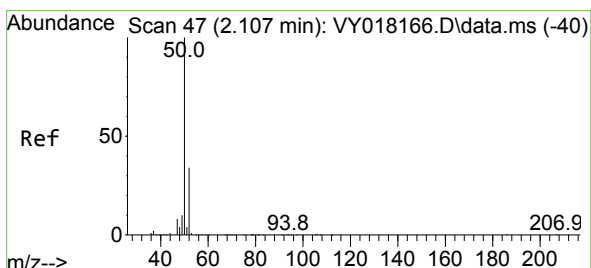
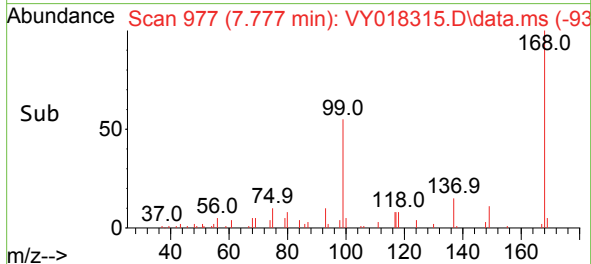
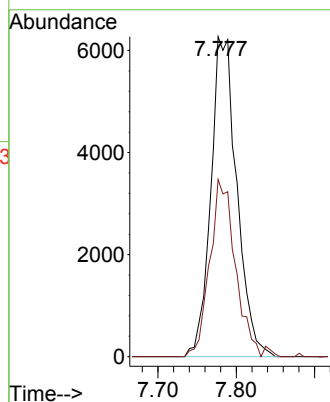
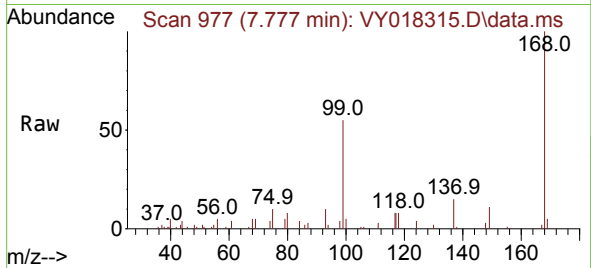




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

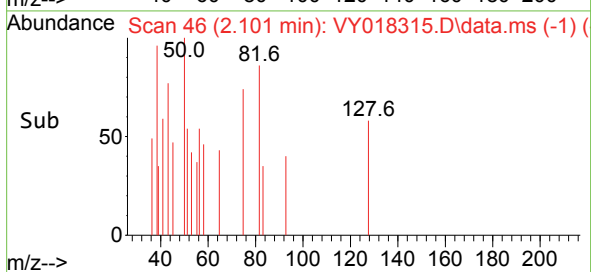
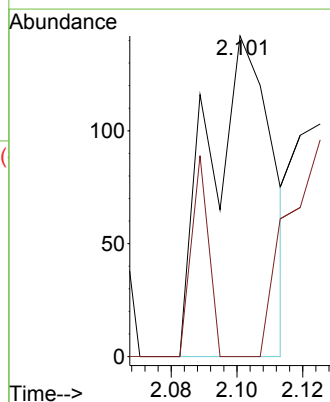
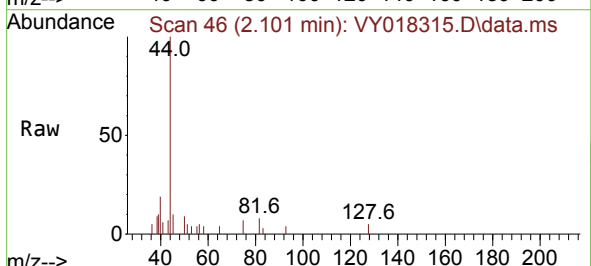
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

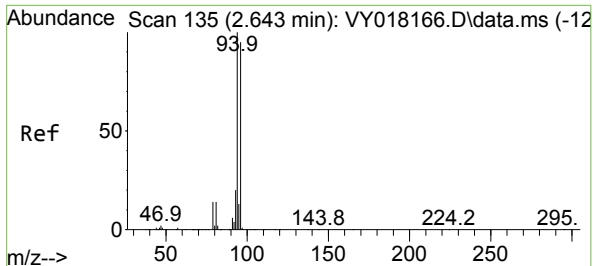
Tgt Ion:168 Resp: 14464
Ion Ratio Lower Upper
168 100
99 55.3 39.1 58.7



#3
Chloromethane
Concen: 1.231 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

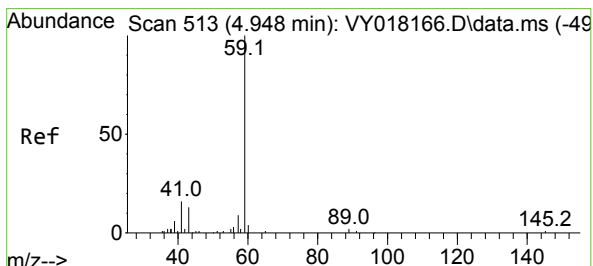
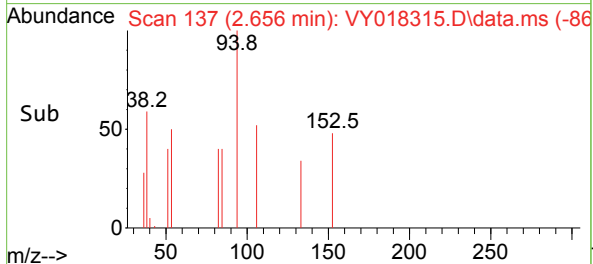
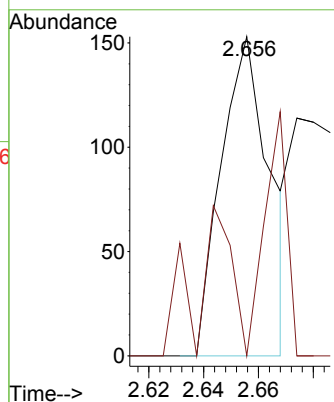
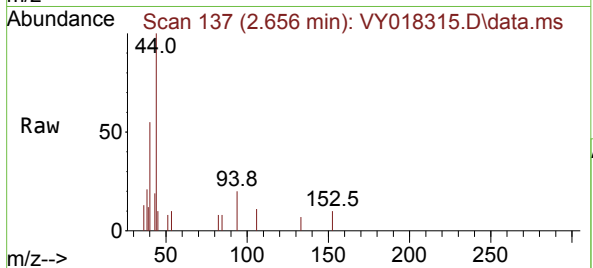




#5
Bromomethane
Concen: 1.454 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

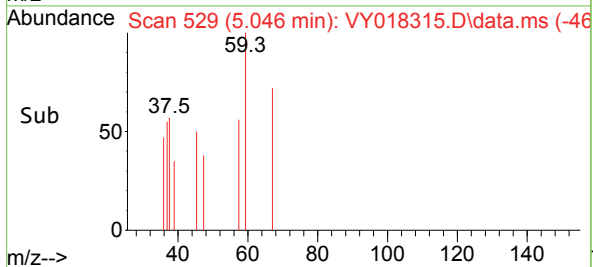
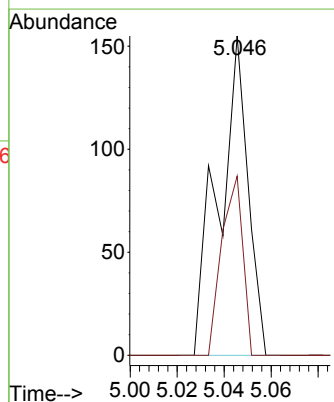
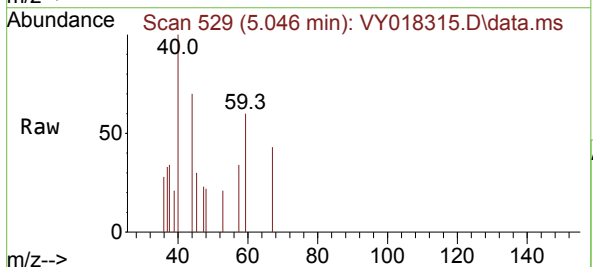
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

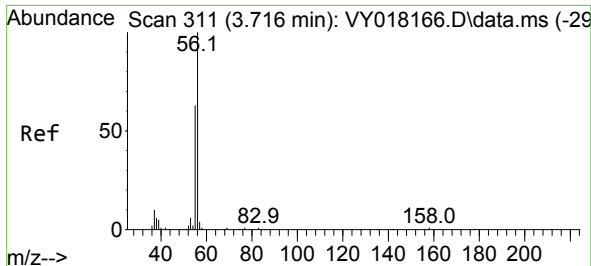
Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#



#11
Tert butyl alcohol
Concen: 2.613 ug/l
RT: 5.046 min Scan# 529
Delta R.T. 0.098 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 40.3 3.0 4.6#

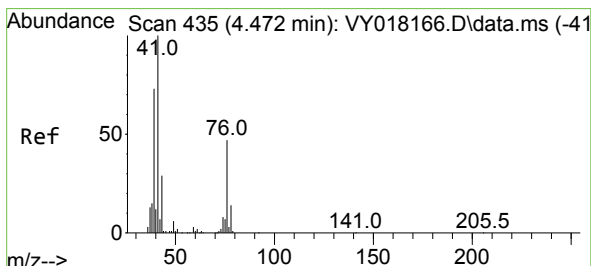
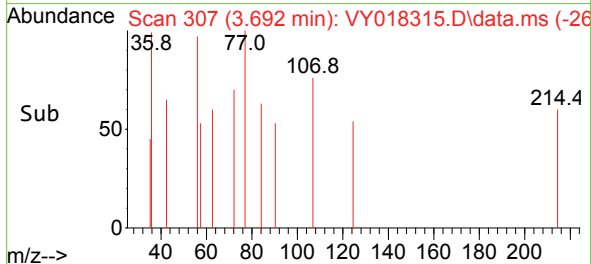
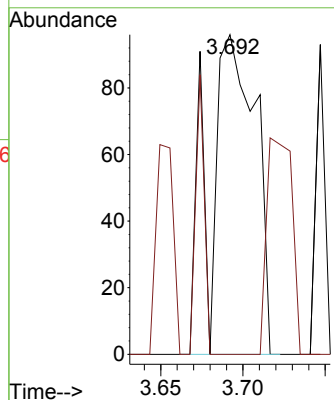
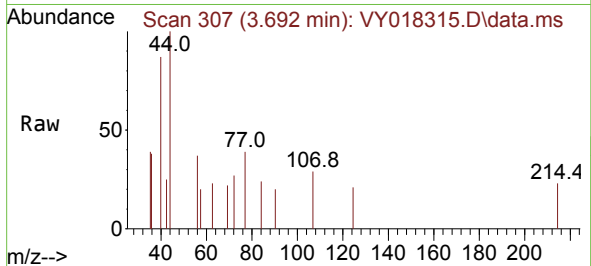




#13
Acrolein
Concen: 13.594 ug/l
RT: 3.692 min Scan# 307
Delta R.T. -0.024 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

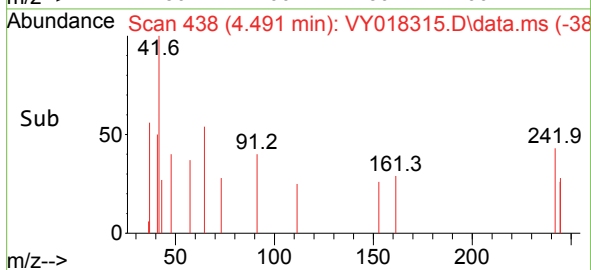
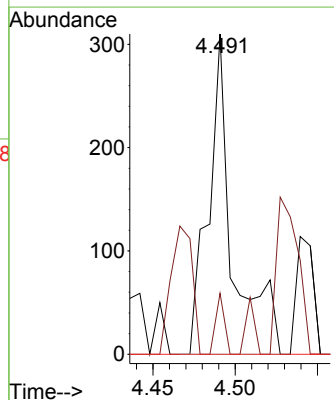
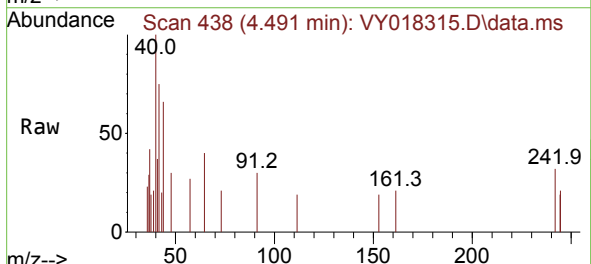
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

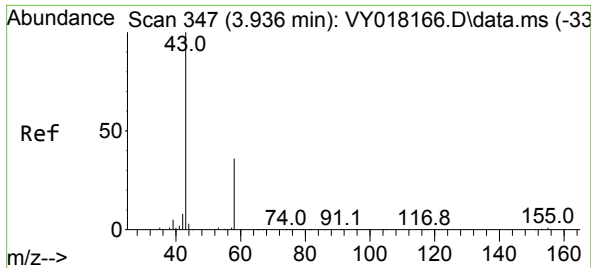
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 16.7 55.7 83.5#



#14
Allyl chloride
Concen: 1.787 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.018 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 41 Resp: 318
Ion Ratio Lower Upper
41 100
39 6.9 58.3 87.5#
76 0.0 39.0 58.6#

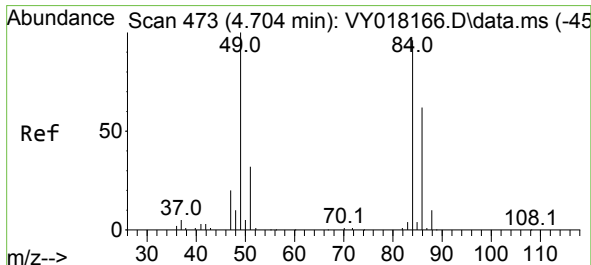
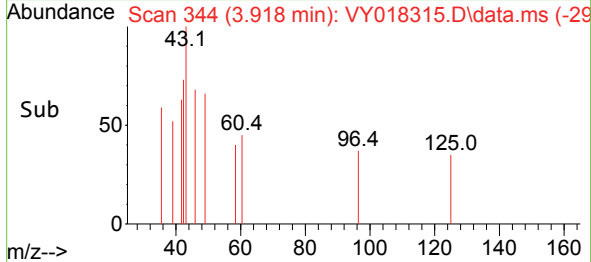
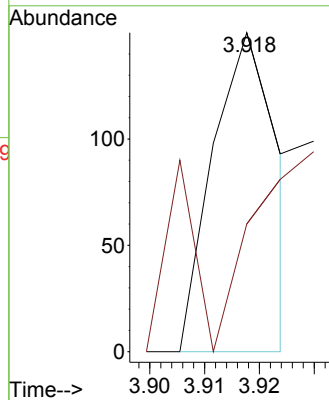
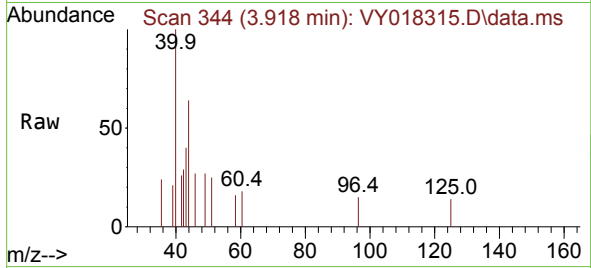




#16
Acetone
Concen: 5.887 ug/l
RT: 3.918 min Scan# 347
Delta R.T. -0.018 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

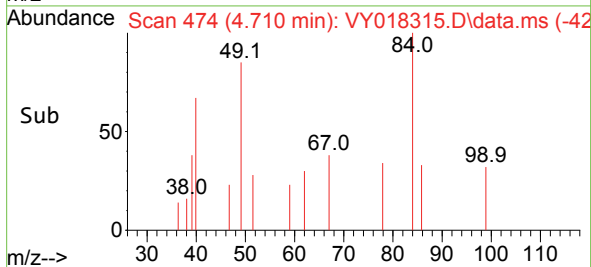
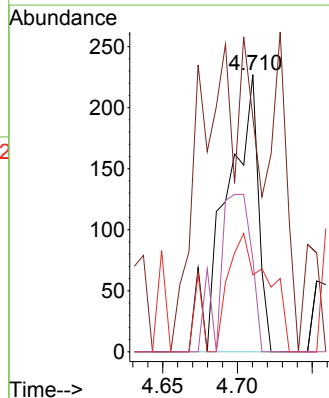
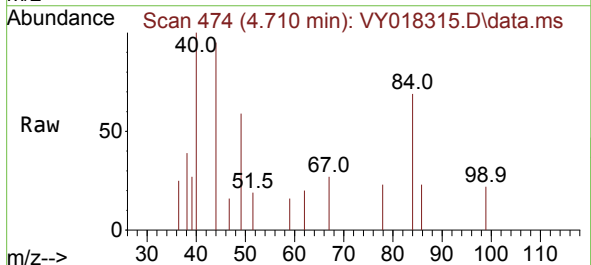
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

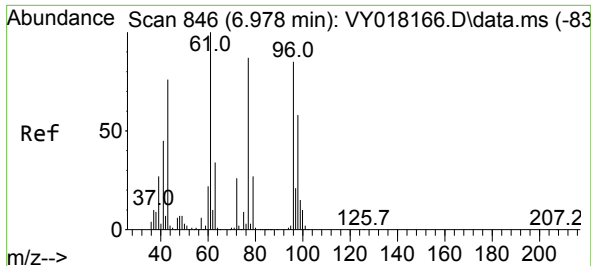
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 2.232 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 84 Resp: 335
Ion Ratio Lower Upper
84 100
49 60.4 84.4 126.6#
51 27.8 26.0 39.0
86 33.5 49.5 74.3#





#25

2-Butanone

Concen: 2.357 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.024 min

Lab File: VY018315.D

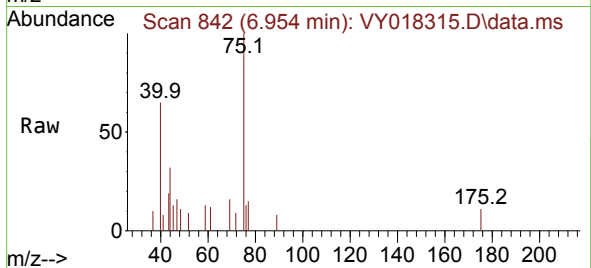
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Instrument :

MSVOA_Y

ClientSampleId :

RT-3463RE

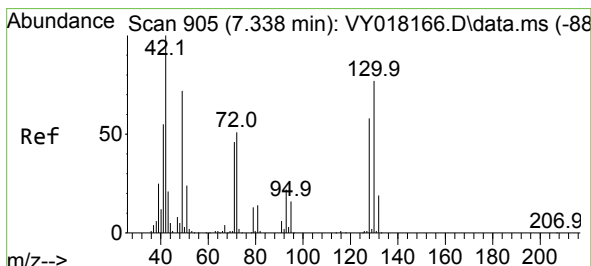
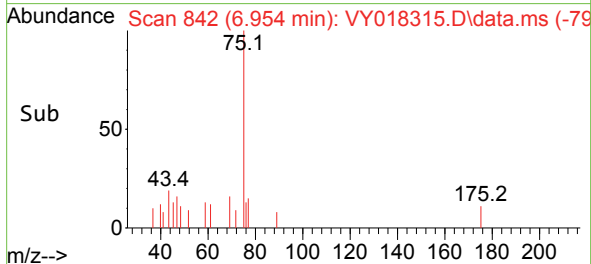
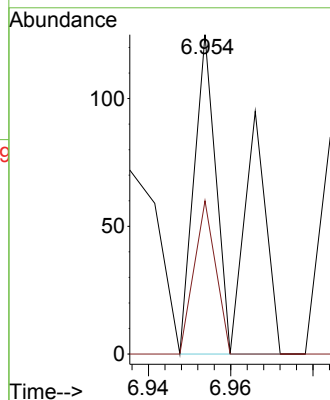


Tgt Ion: 43 Resp: 80

Ion Ratio Lower Upper

43 100

72 48.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 5.713 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.018 min

Lab File: VY018315.D

Acq: 17 May 2024 17:57

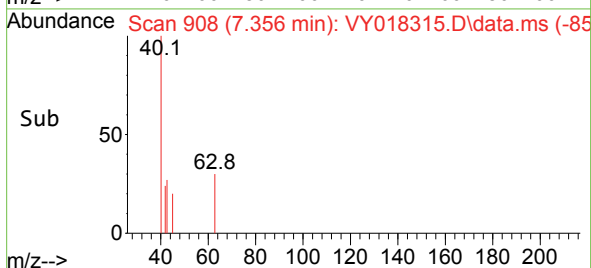
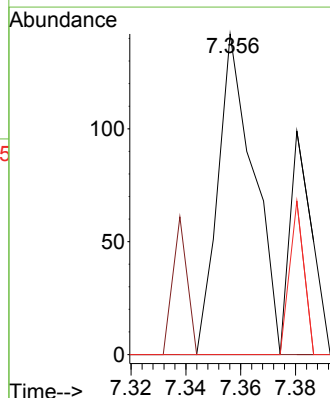
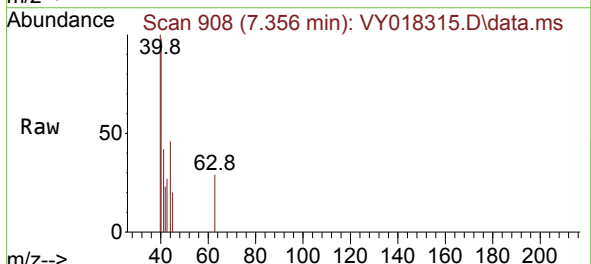
Tgt Ion: 42 Resp: 128

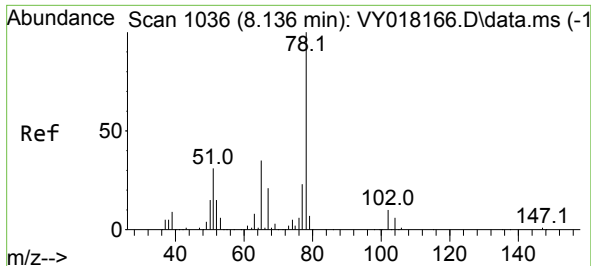
Ion Ratio Lower Upper

42 100

72 17.2 43.0 64.4#

71 0.0 40.8 61.2#

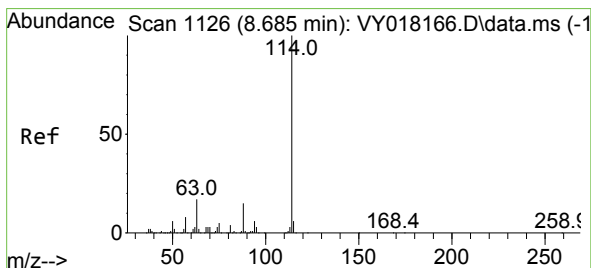
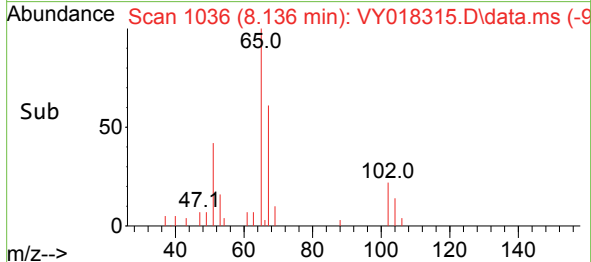
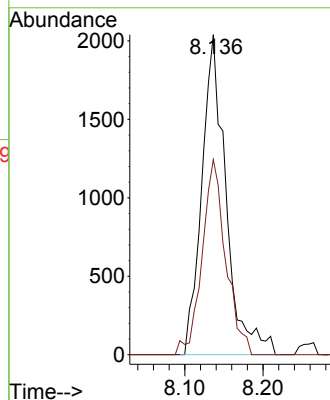
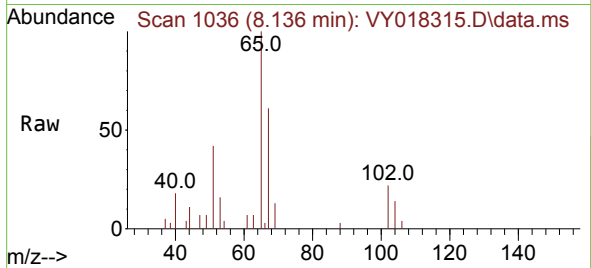




#33
1,2-Dichloroethane-d4
Concen: 41.191 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

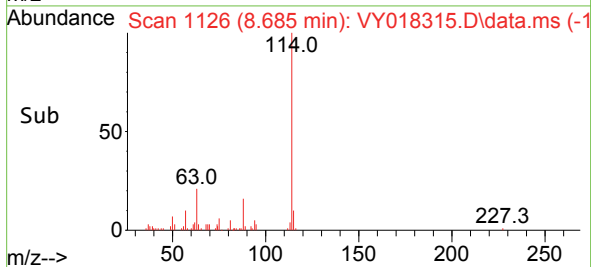
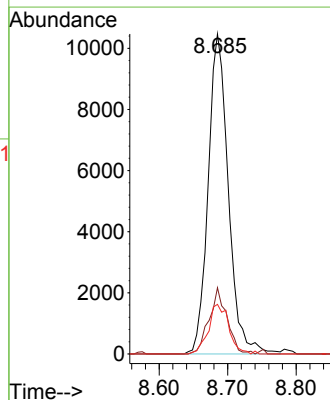
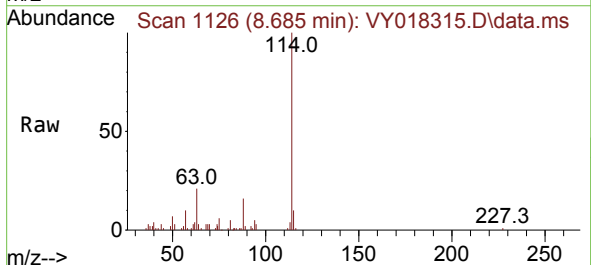
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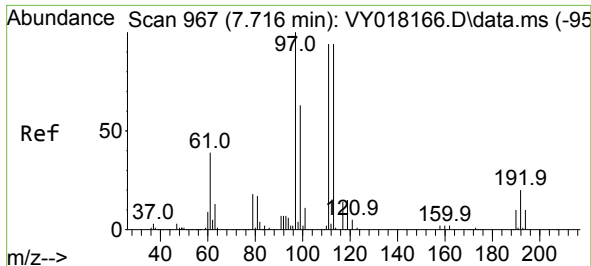
Tgt Ion: 65 Resp: 4383
Ion Ratio Lower Upper
65 100
67 59.4 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 114 Resp: 21469
Ion Ratio Lower Upper
114 100
63 20.7 0.0 35.0
88 15.5 0.0 27.2

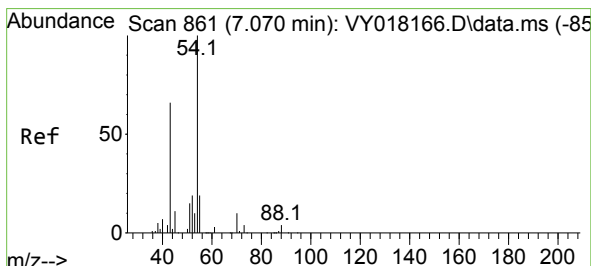
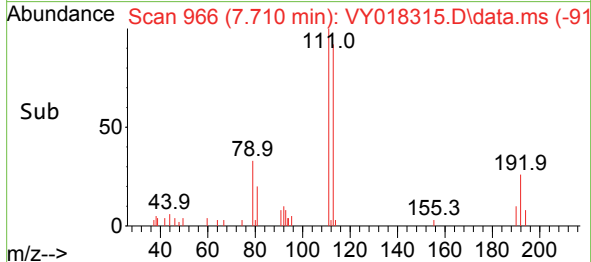
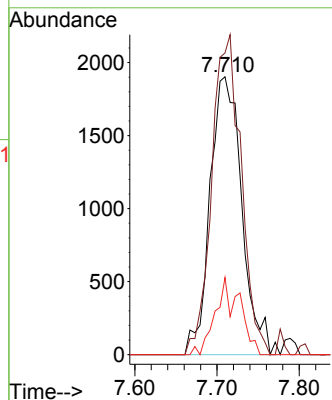
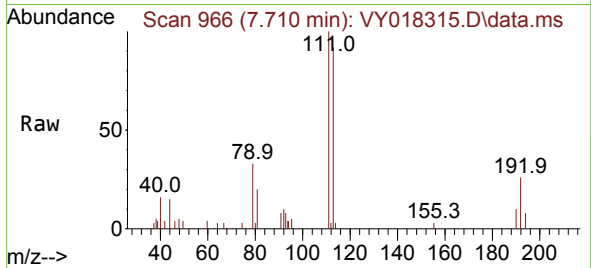




#35
Dibromofluoromethane
Concen: 45.449 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

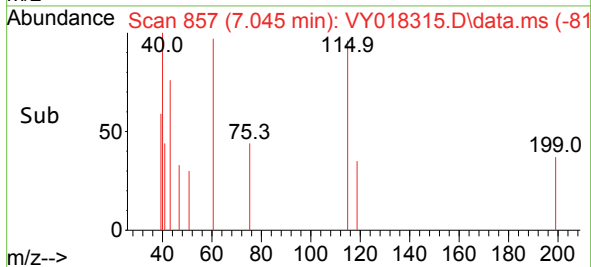
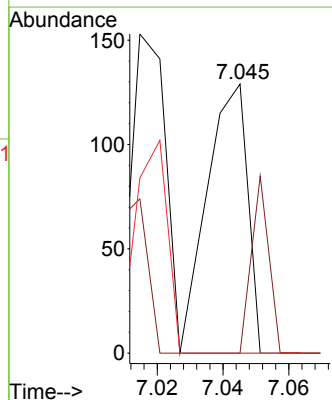
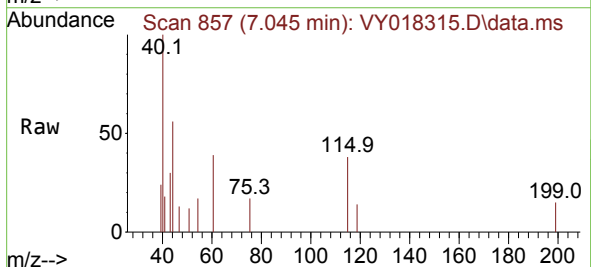
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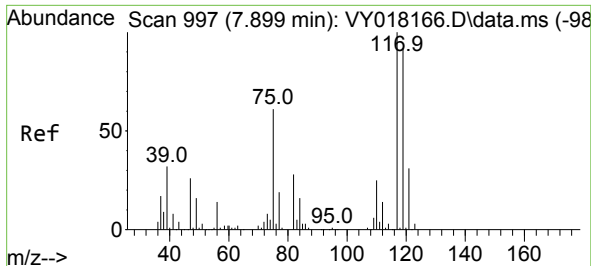
Tgt Ion:113 Resp: 5128
Ion Ratio Lower Upper
113 100
111 105.9 82.2 123.4
192 21.3 15.9 23.9



#37
Ethyl Acetate
Concen: 1.616 ug/l
RT: 7.045 min Scan# 857
Delta R.T. -0.024 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

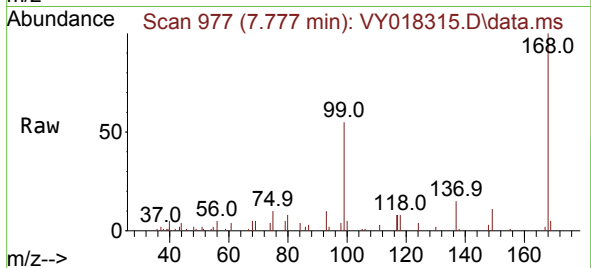
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
61 28.2 12.6 19.0#
70 0.0 7.8 11.8#



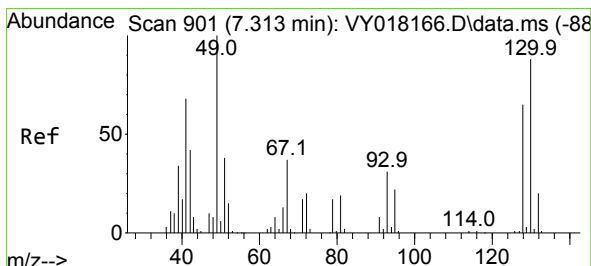
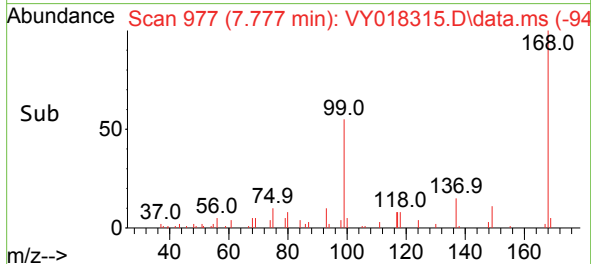
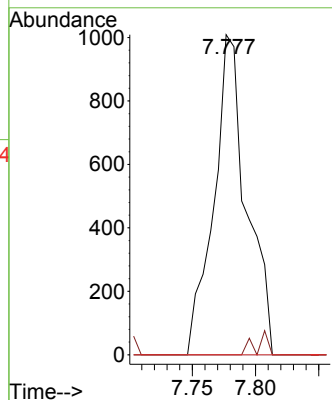


#38
Carbon Tetrachloride
Concen: 10.286 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

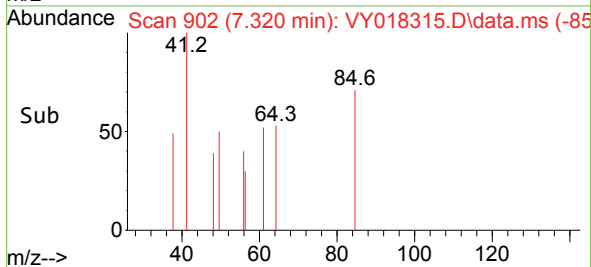
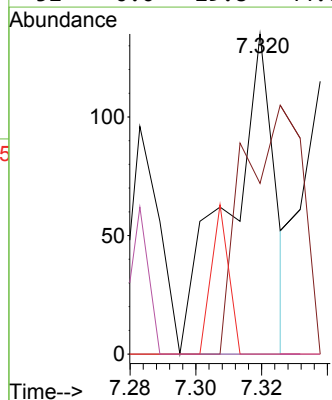
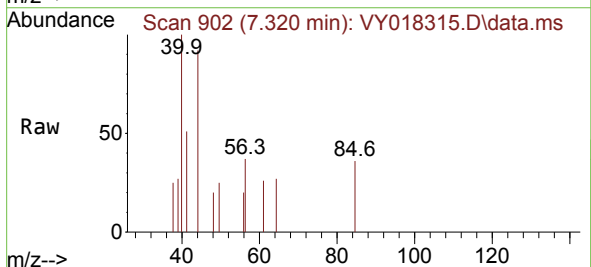


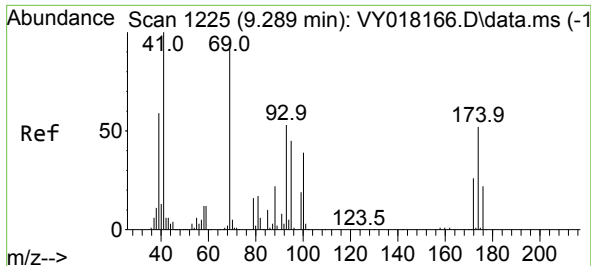
Tgt Ion:117 Resp: 1818
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 3.358 ug/l
RT: 7.320 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 41 Resp: 132
Ion Ratio Lower Upper
41 100
39 99.2 48.0 72.0#
67 17.4 75.1 112.7#
52 0.0 29.8 44.6#





#48

Methyl methacrylate

Concen: 1.923 ug/l

RT: 9.289 min Scan# 1225

Delta R.T. 0.000 min

Lab File: VY018315.D

Acq: 17 May 2024 17:57

Instrument :

MSVOA_Y

ClientSampleId :

RT-3463RE

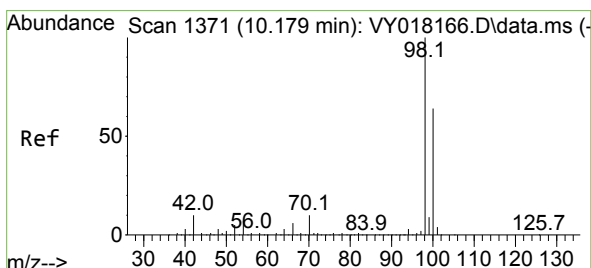
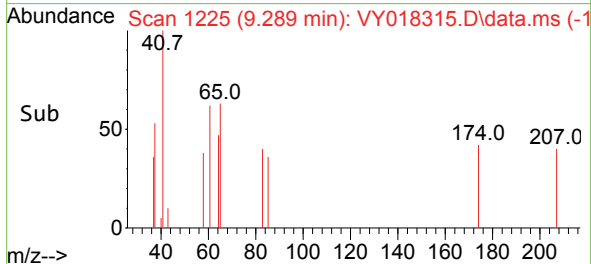
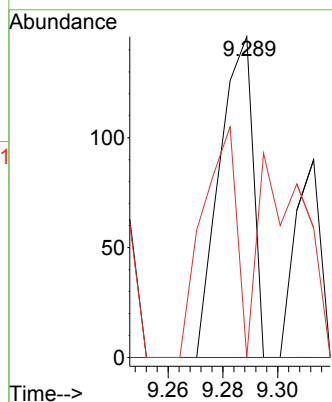
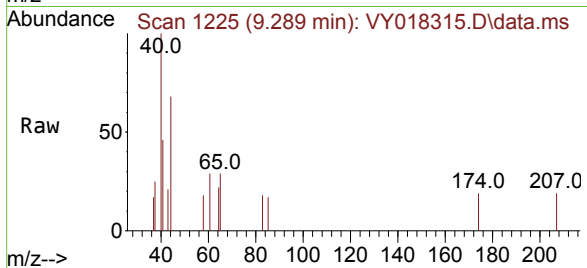
Tgt Ion: 41 Resp: 123

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 103.3 43.6 65.4#



#50

Toluene-d8

Concen: 49.597 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018315.D

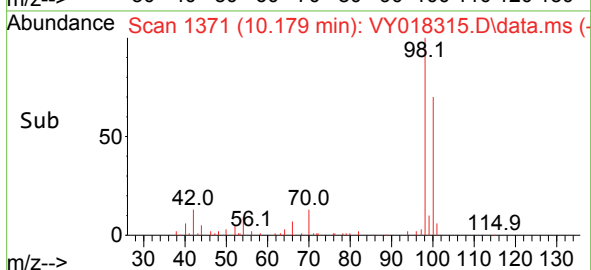
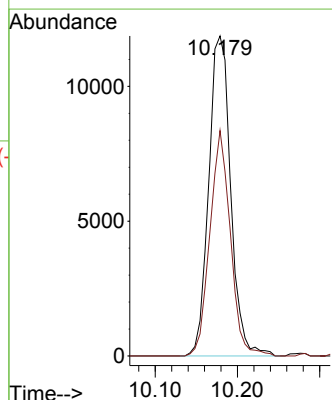
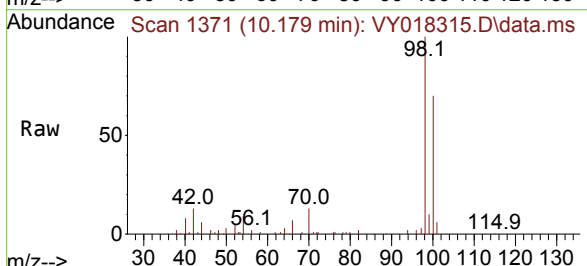
Acq: 17 May 2024 17:57

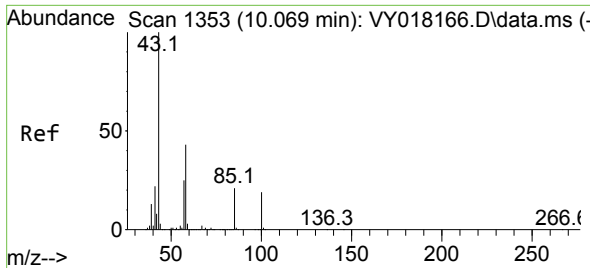
Tgt Ion: 98 Resp: 22052

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0

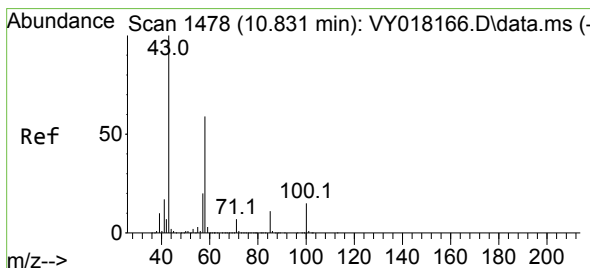
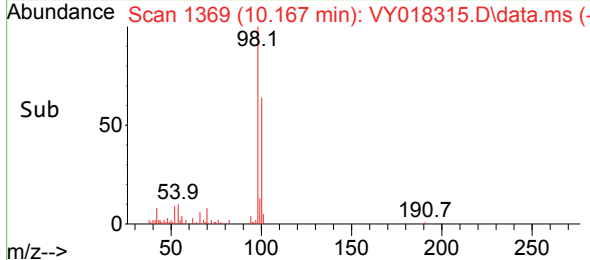
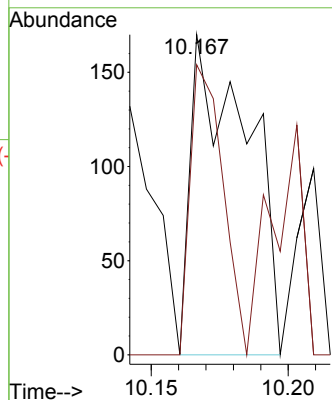
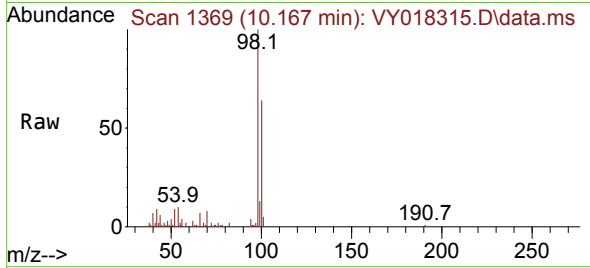




#51
4-Methyl-2-Pentanone
Concen: 3.479 ug/l
RT: 10.167 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

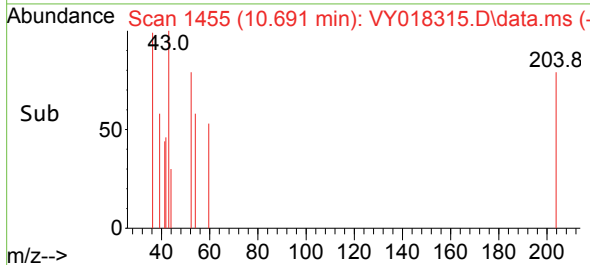
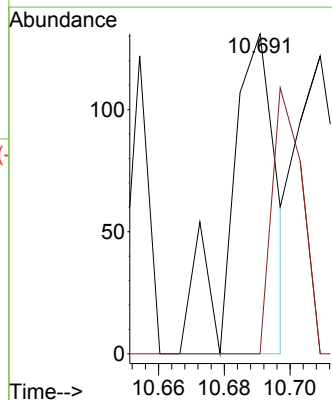
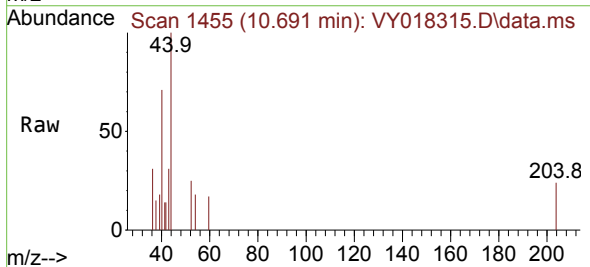
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

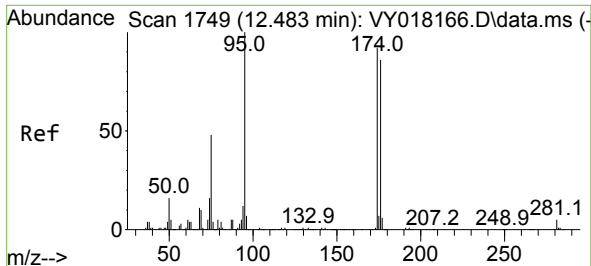
Tgt Ion: 43 Resp: 244
Ion Ratio Lower Upper
43 100
58 52.5 35.7 53.5



#59
2-Hexanone
Concen: 2.631 ug/l
RT: 10.691 min Scan# 1455
Delta R.T. -0.140 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 53.5 31.4 94.0

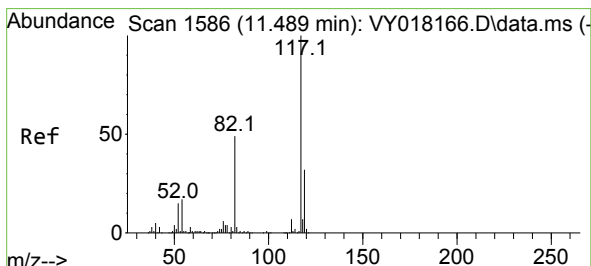
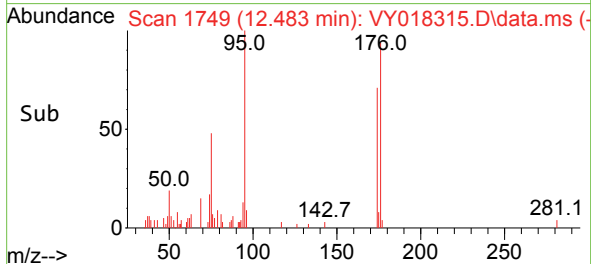
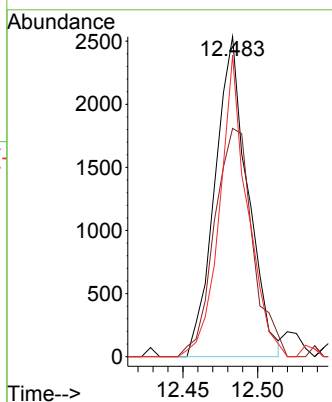
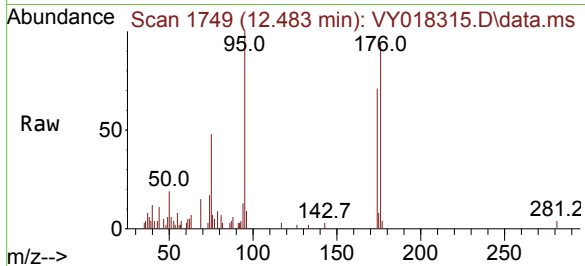




#62
4-Bromofluorobenzene
Concen: 26.980 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

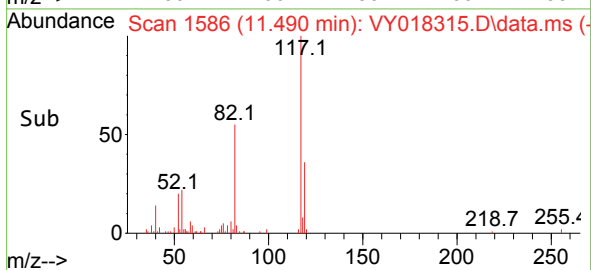
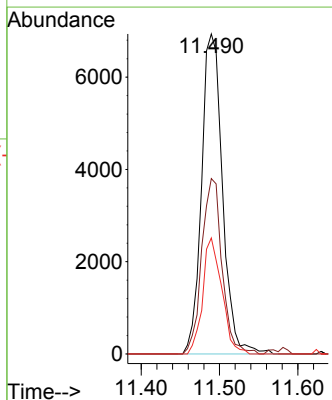
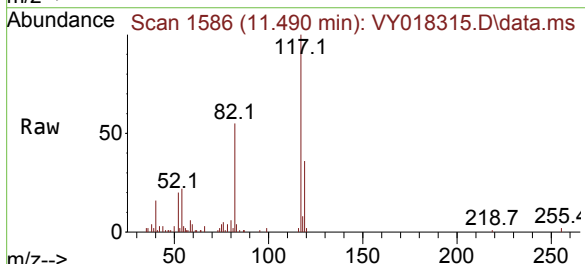
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

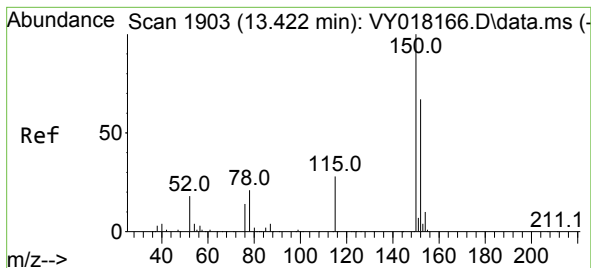
Tgt Ion:	95	Resp:	3874
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	175.6
176	79.8	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion:	117	Resp:	12885
Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.4	63.6
119	36.2	25.9	38.9

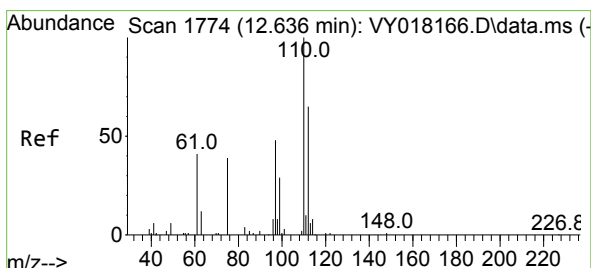
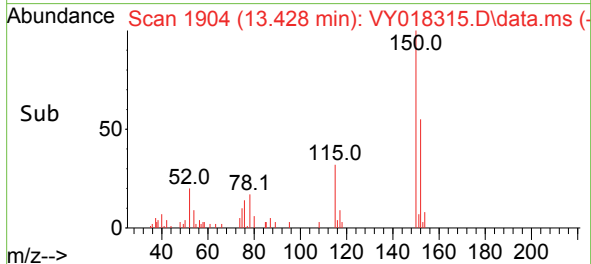
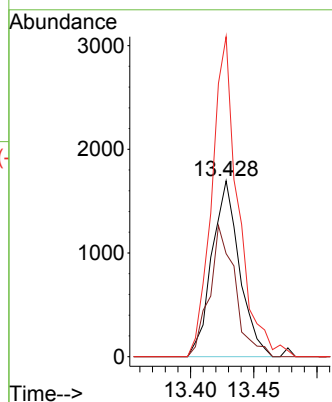
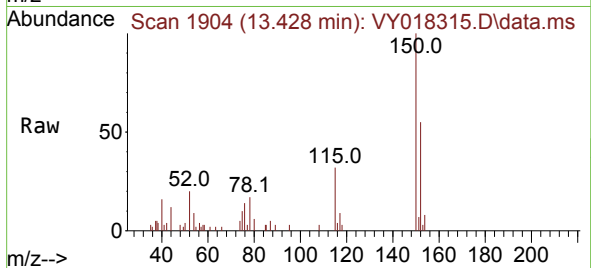




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

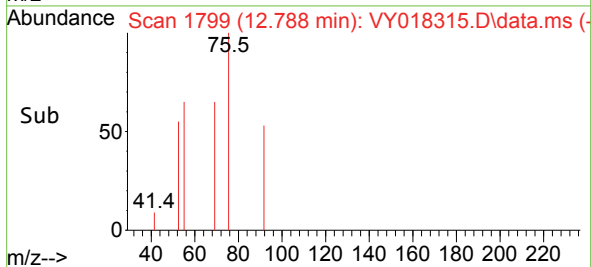
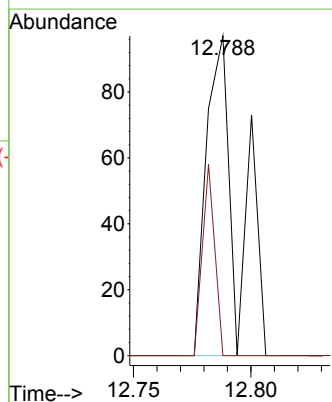
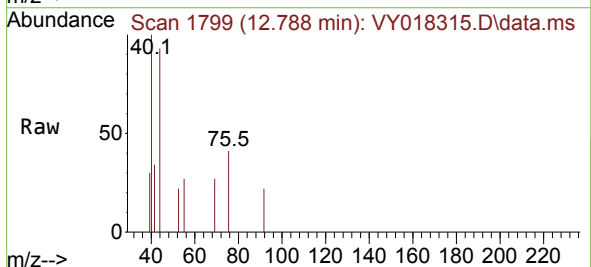
Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

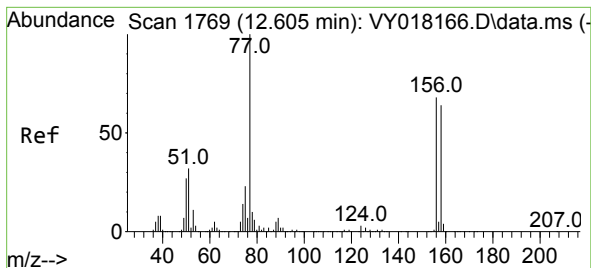
Tgt Ion:152 Resp: 2570
Ion Ratio Lower Upper
152 100
115 69.2 28.2 84.7
150 174.2 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 4.375 ug/l
RT: 12.788 min Scan# 1799
Delta R.T. 0.152 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 23.3 0.0 0.0#





#77

Bromobenzene

Concen: 1.017 ug/l

RT: 12.532 min Scan# 11

Delta R.T. -0.073 min

Lab File: VY018315.D

Acq: 17 May 2024 17:57

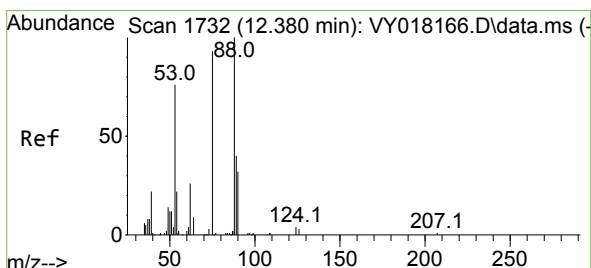
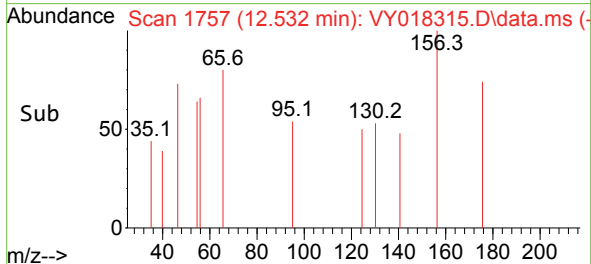
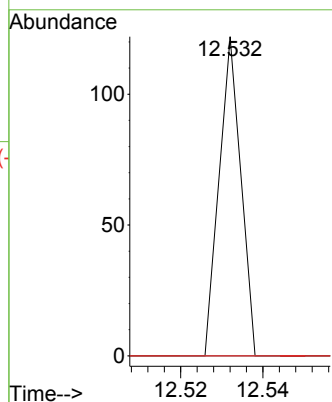
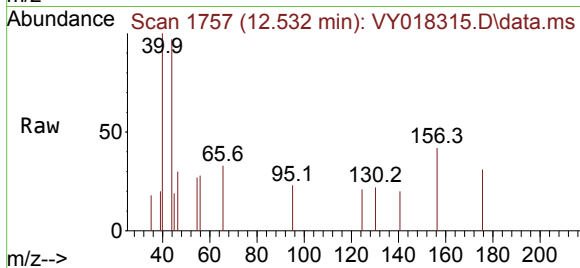
Instrument :

MSVOA_Y

ClientSampleId :

RT-3463RE

Tgt Ion:	156	Resp:	45
Ion	Ratio	Lower	Upper
156	100		
77	0.0	87.1	261.3#
158	0.0	48.6	145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 192.093 ug/l

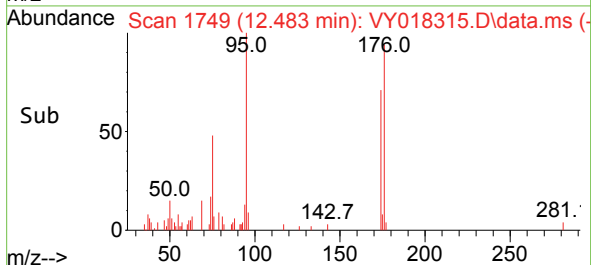
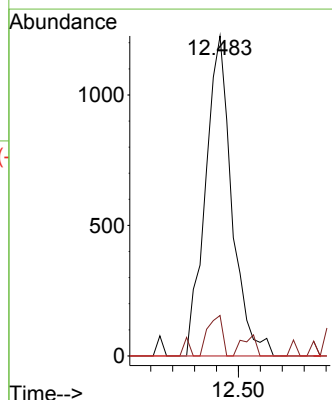
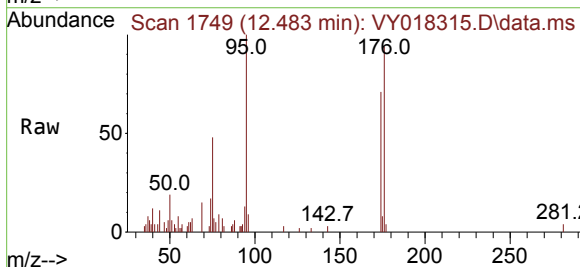
RT: 12.483 min Scan# 1749

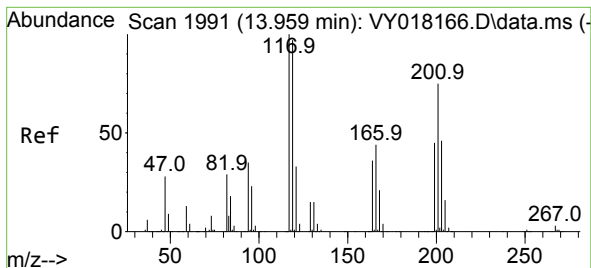
Delta R.T. 0.104 min

Lab File: VY018315.D

Acq: 17 May 2024 17:57

Tgt Ion:	75	Resp:	2051
Ion	Ratio	Lower	Upper
75	100		
53	7.0	66.8	100.2#
89	0.0	35.8	53.6#

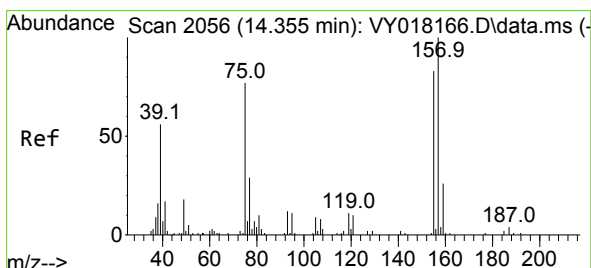
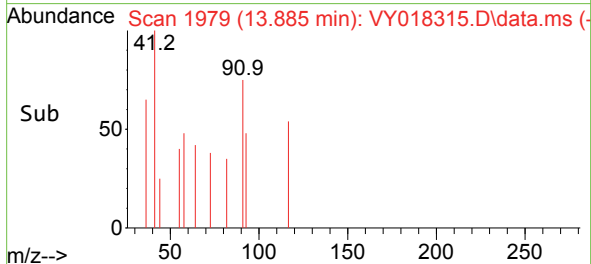
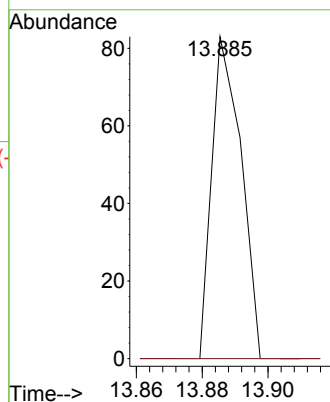
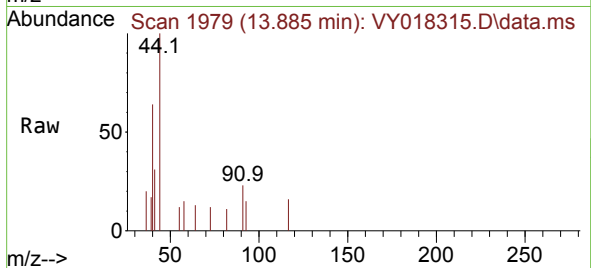




#90
Hexachloroethane
Concen: 1.537 ug/l
RT: 13.885 min Scan# 1991
Delta R.T. -0.073 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Instrument :
MSVOA_Y
ClientSampleId :
RT-3463RE

Tgt Ion:117 Resp: 51
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.301 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.012 min
Lab File: VY018315.D
Acq: 17 May 2024 17:57

Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
155 122.2 48.6 145.8
157 0.0 62.7 188.2#

