

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050924\
 Data File : VY018213.D
 Acq On : 09 May 2024 16:30
 Operator : SY/MD
 Sample : P2430-03
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 10 01:19:35 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)

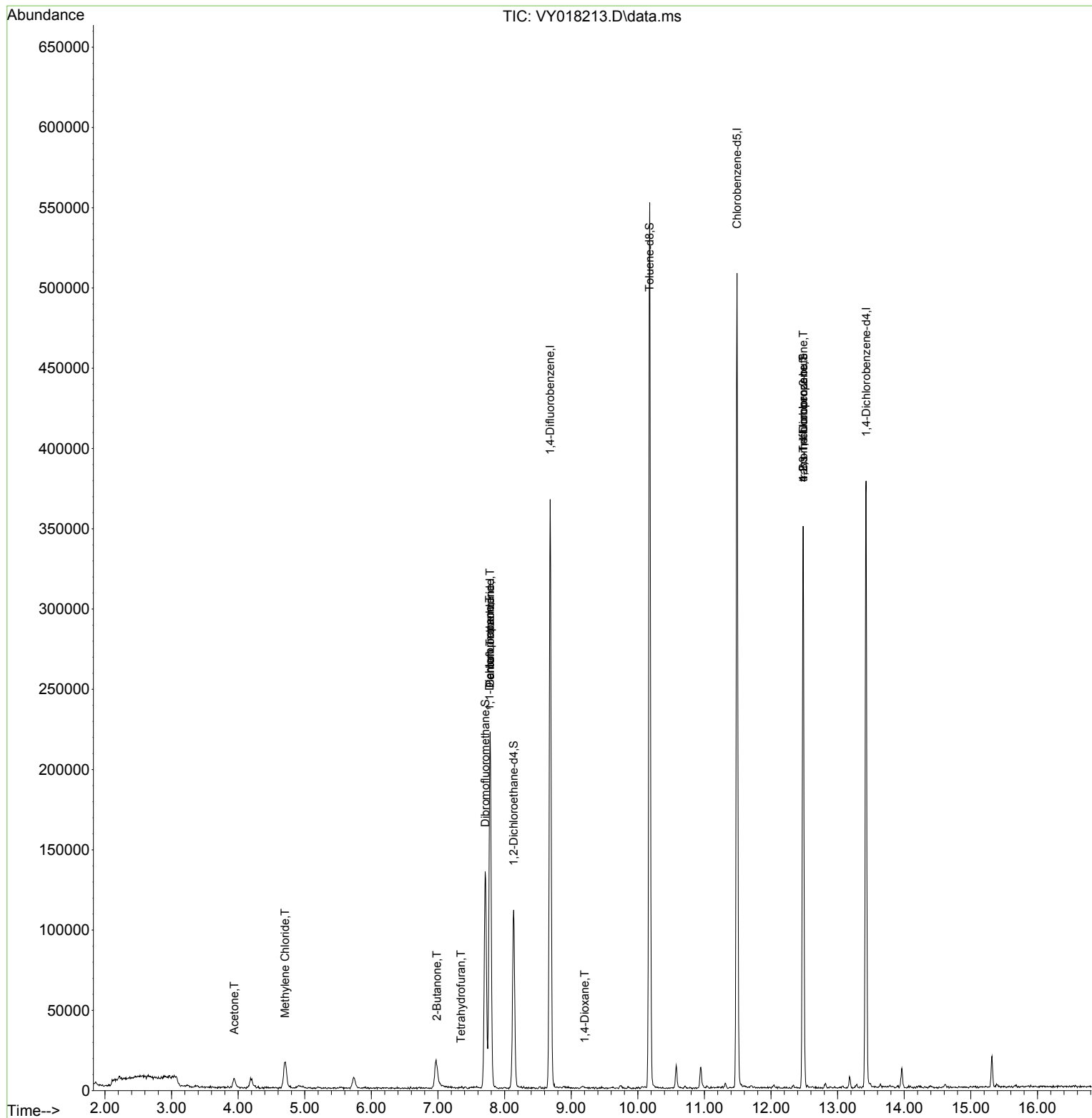
Internal Standards						
1) Pentafluorobenzene	7.783	168	175937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80883	62.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.980%	
35) Dibromofluoromethane	7.709	113	97978	56.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.060%	
50) Toluene-d8	10.178	98	375885	55.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.080%	
62) 4-Bromofluorobenzene	12.483	95	107181	48.596	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	864	Below Cal	#	67
13) Acrolein	3.698	56	82	Below Cal	#	73
16) Acetone	3.942	43	9966	38.584	ug/l	90
20) Methylene Chloride	4.704	84	12757	6.988	ug/l	92
25) 2-Butanone	6.984	43	1145	2.773	ug/l #	67
29) Tetrahydrofuran	7.344	42	718	2.634	ug/l #	38
31) Cyclohexane	7.783	56	4086	Below Cal	#	7
36) 1,1-Dichloropropene	7.776	75	14146	5.694	ug/l #	49
38) Carbon Tetrachloride	7.783	117	17303	6.374	ug/l #	15
49) 1,4-Dioxane	9.203	88	19	1.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	52765	65.949	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52765	127.061	ug/l #	16

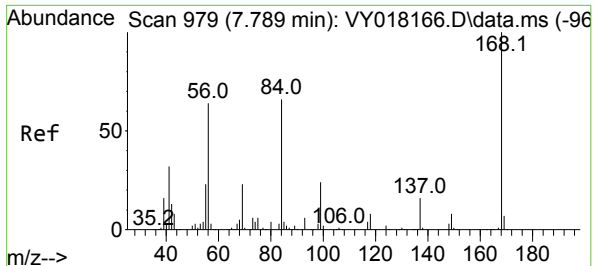
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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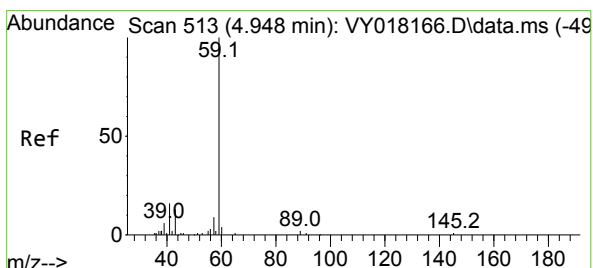
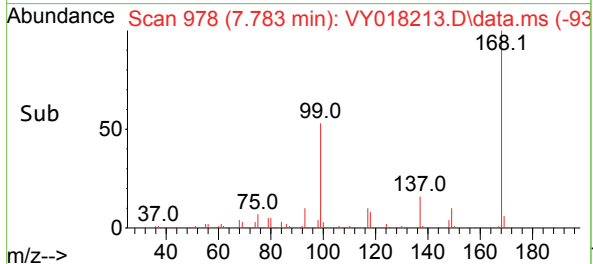
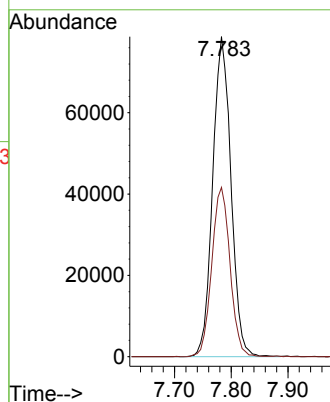
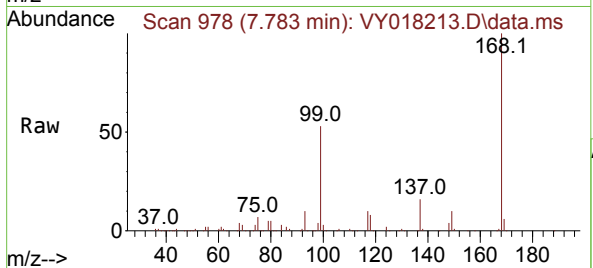




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

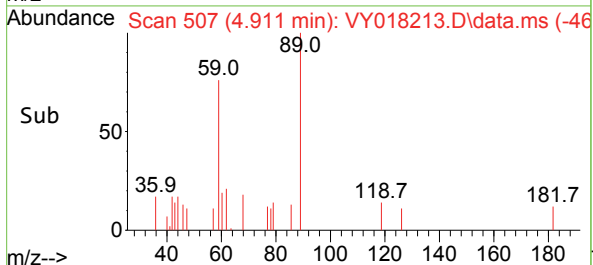
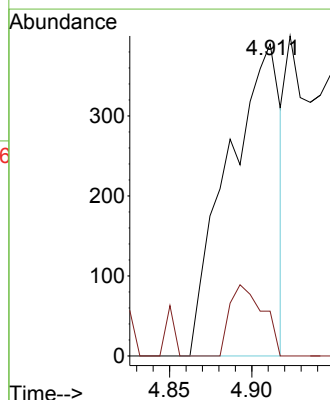
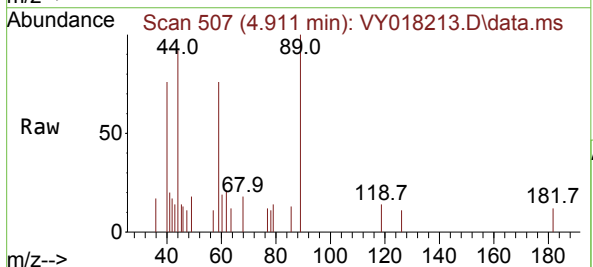
Instrument :
MSVOA_Y
ClientSampleId :

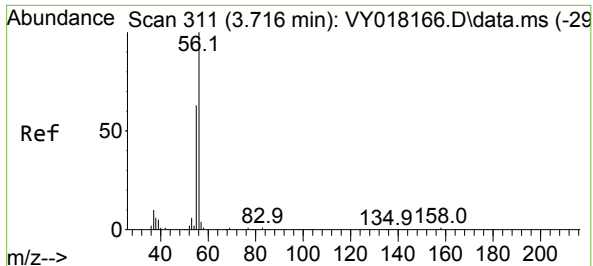
Tgt Ion:168 Resp: 175937
Ion Ratio Lower Upper
168 100
99 52.9 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Tgt Ion: 59 Resp: 864
Ion Ratio Lower Upper
59 100
57 14.6 3.0 4.6#

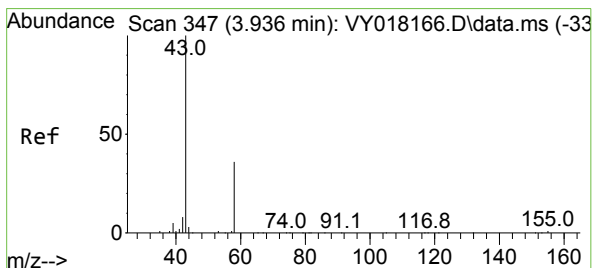
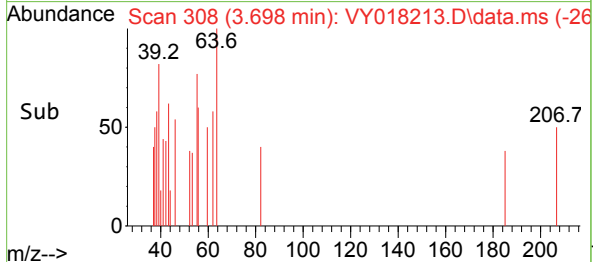
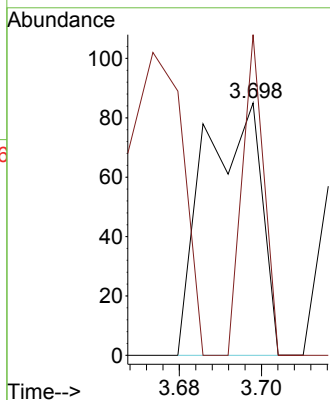
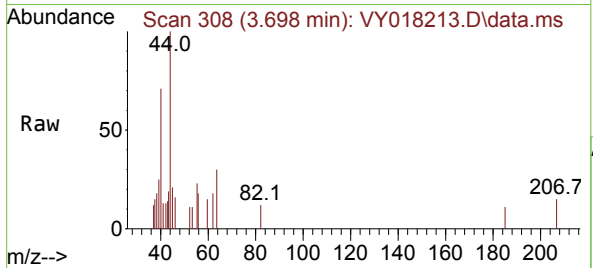




#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.018 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

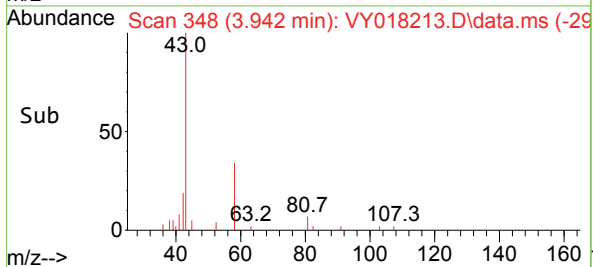
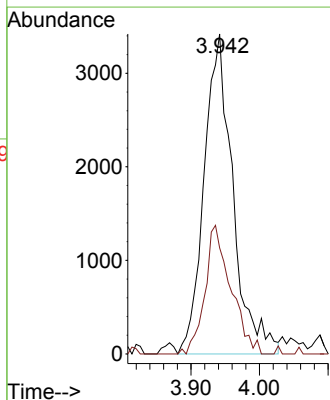
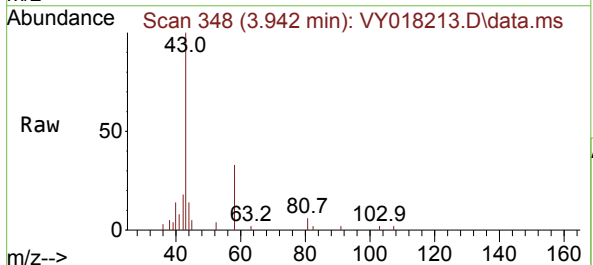
Instrument :
MSVOA_Y
ClientSampleId :

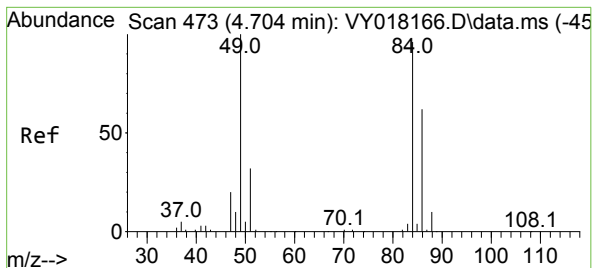
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 47.6 55.7 83.5#



#16
Acetone
Concen: 38.584 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Tgt Ion: 43 Resp: 9966
Ion Ratio Lower Upper
43 100
58 33.2 31.7 47.5





#20

Methylene Chloride

Concen: 6.988 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.000 min

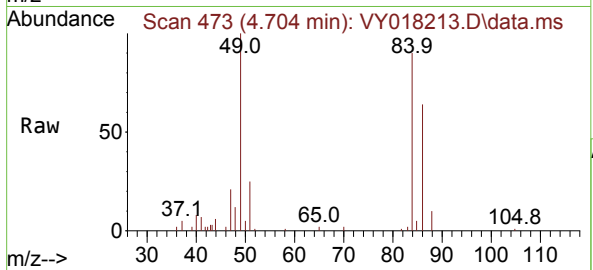
Lab File: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 12757

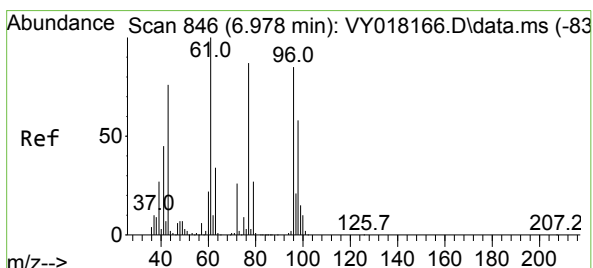
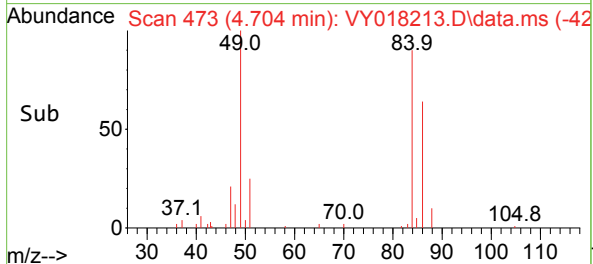
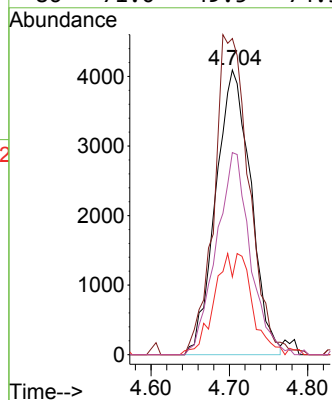
Ion Ratio Lower Upper

84 100

49 111.1 84.4 126.6

51 27.3 26.0 39.0

86 71.0 49.5 74.3



#25

2-Butanone

Concen: 2.773 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY018213.D

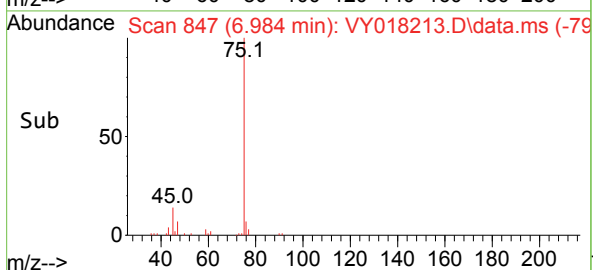
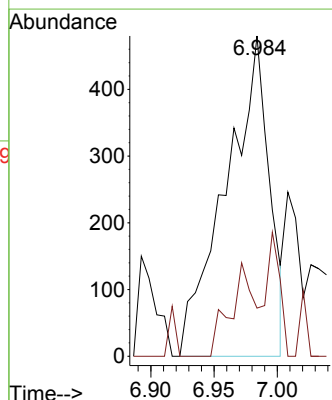
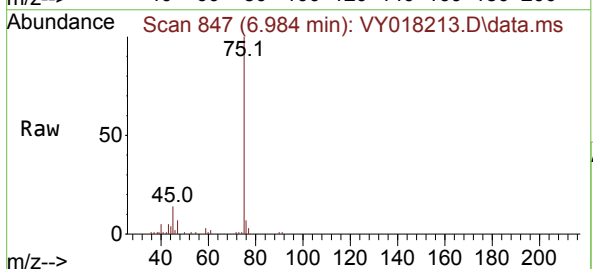
Acq: 09 May 2024 16:30

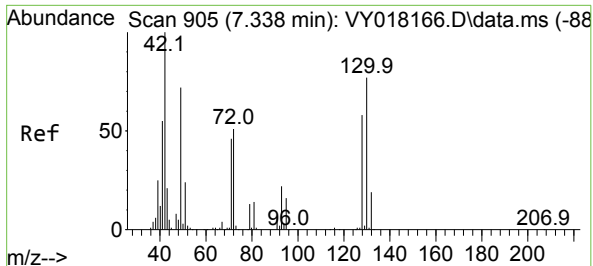
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

72 15.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 2.634 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

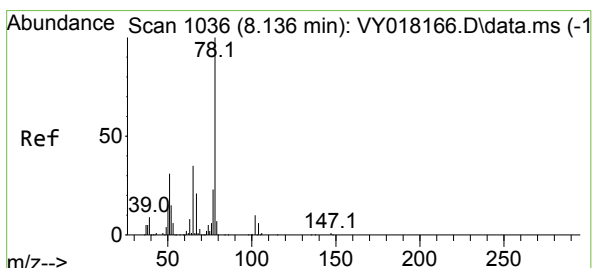
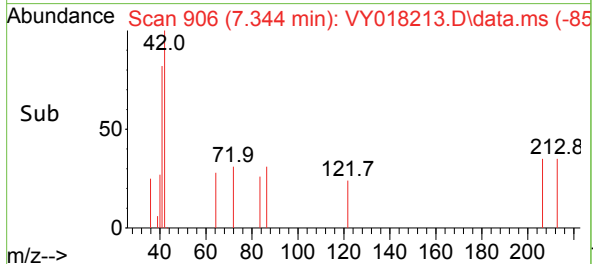
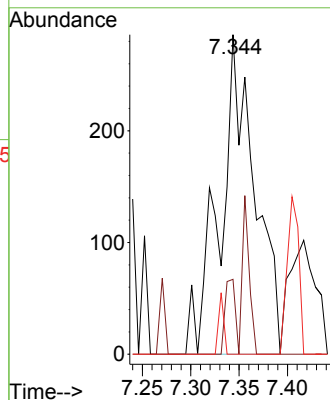
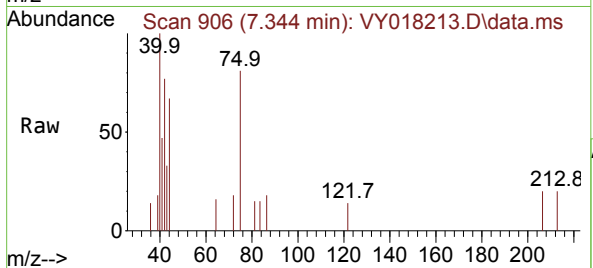
Tgt Ion: 42 Resp: 718

Ion Ratio Lower Upper

42 100

72 16.7 43.0 64.4#

71 0.0 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 62.491 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018213.D

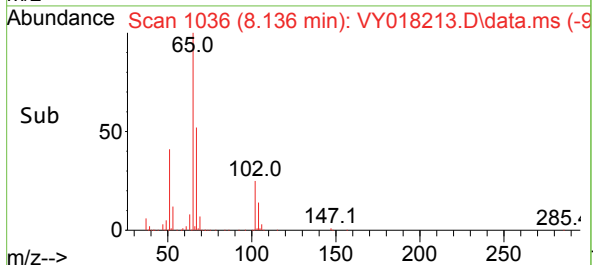
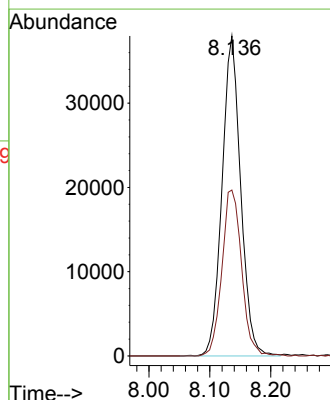
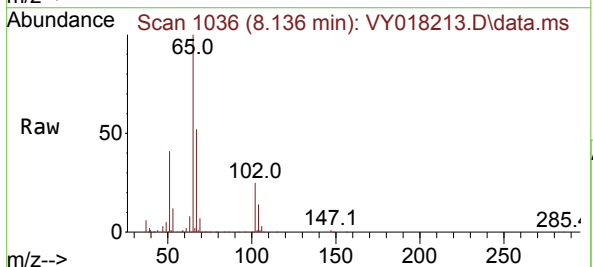
Acq: 09 May 2024 16:30

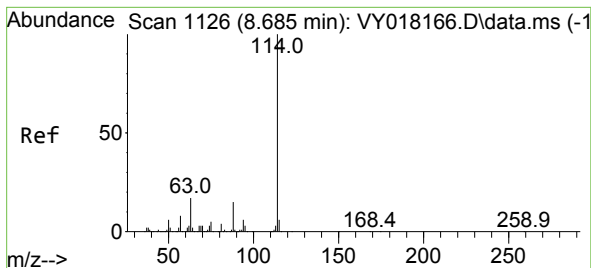
Tgt Ion: 65 Resp: 80883

Ion Ratio Lower Upper

65 100

67 54.7 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

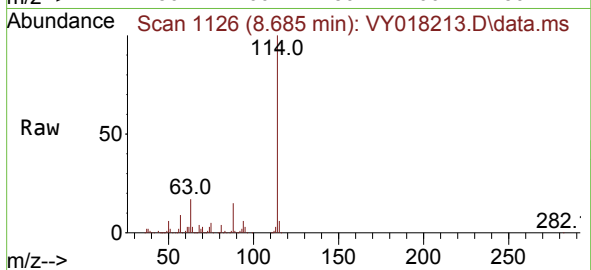
Lab File: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :



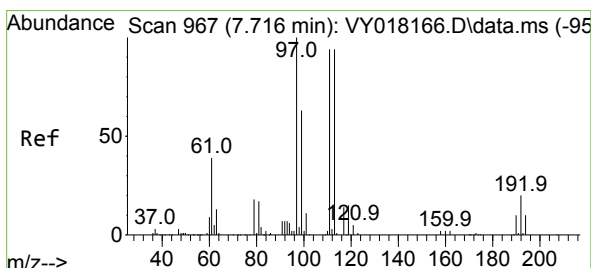
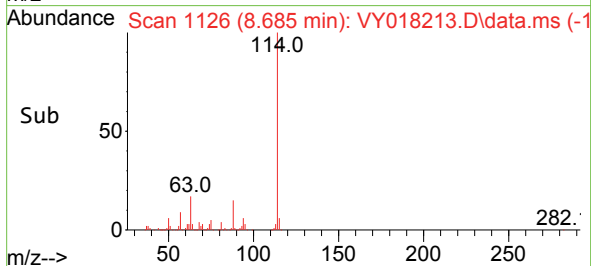
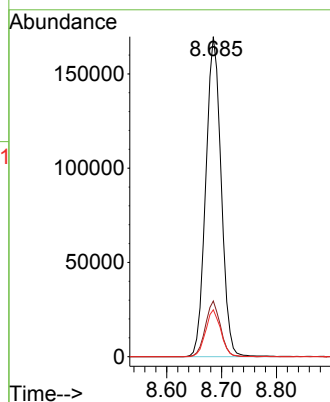
Tgt Ion:114 Resp: 329775

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.533 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

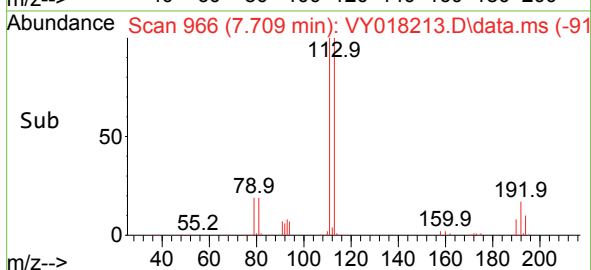
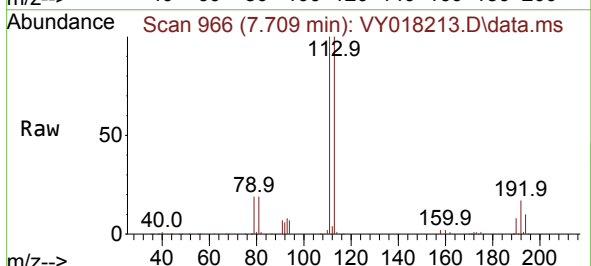
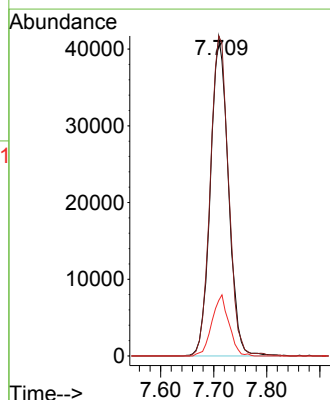
Tgt Ion:113 Resp: 97978

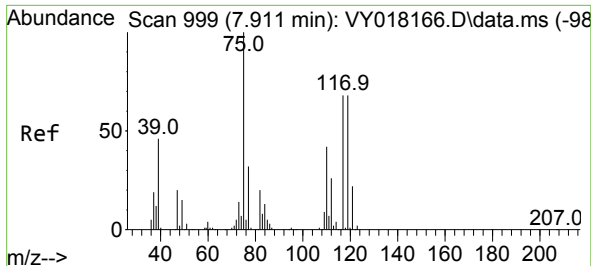
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

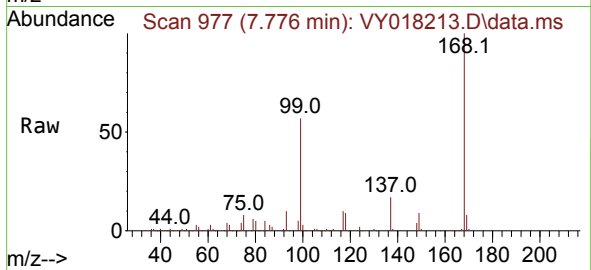
192 18.1 15.9 23.9



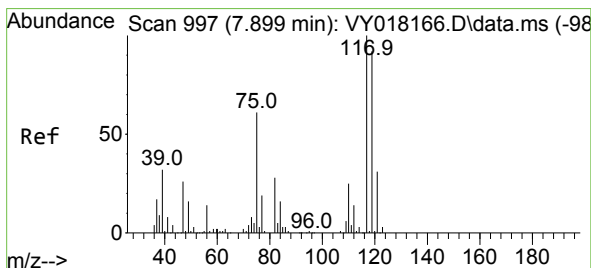
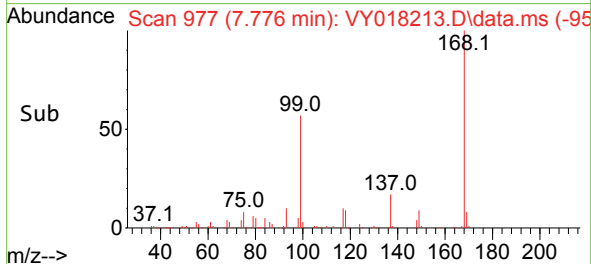
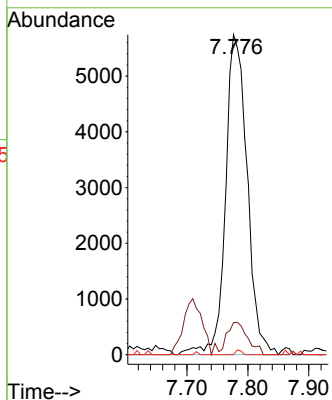


#36
1,1-Dichloropropene
Concen: 5.694 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :

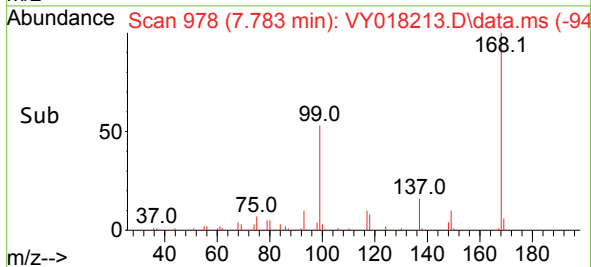
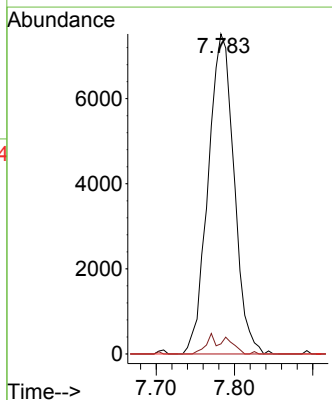
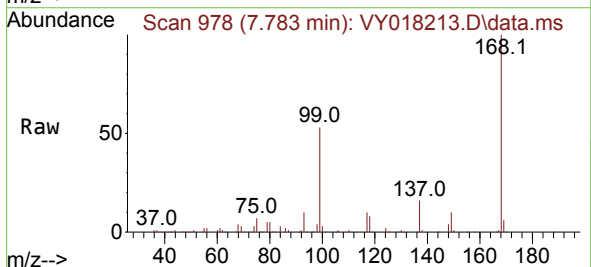


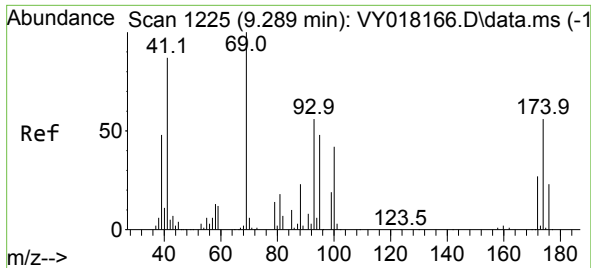
Tgt Ion: 75 Resp: 14146
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.4 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

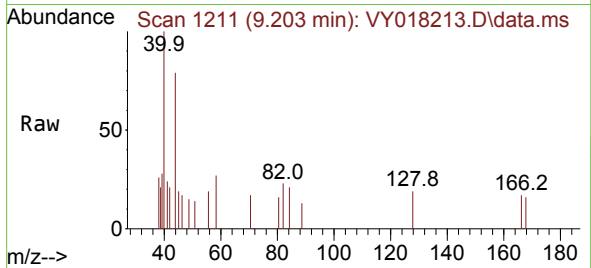
Tgt Ion: 117 Resp: 17303
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#



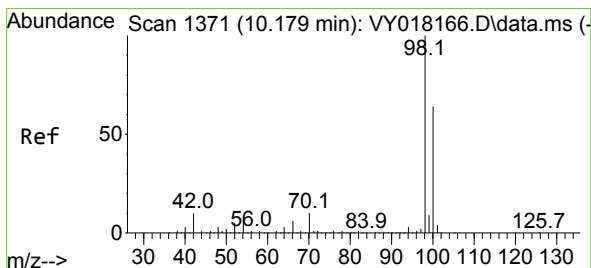
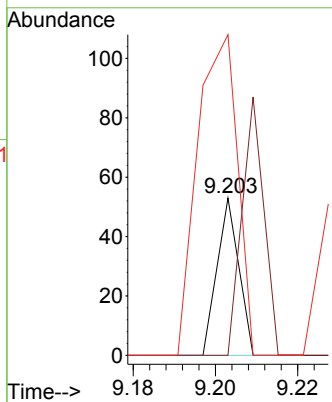
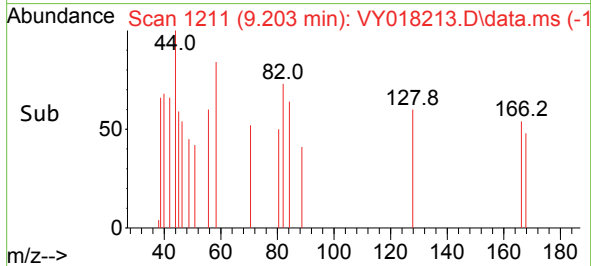


#49
1,4-Dioxane
Concen: 1.425 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. -0.086 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :

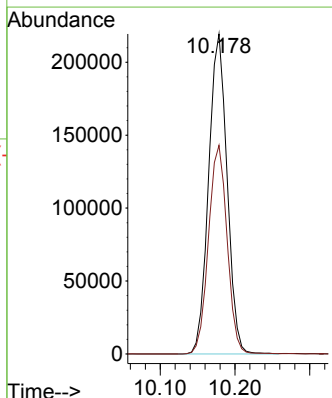
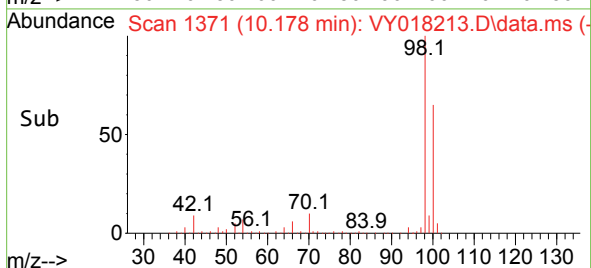
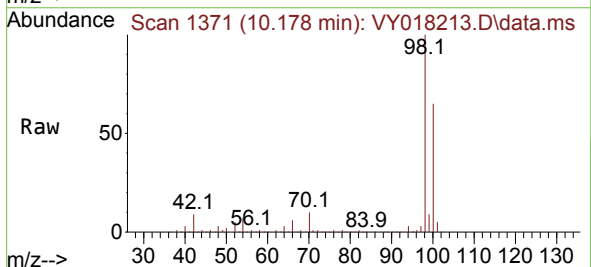


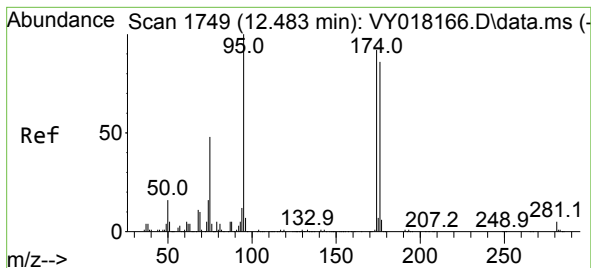
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 168.4 0.0 0.0#
58 384.2 49.3 73.9#



#50
Toluene-d8
Concen: 55.038 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Tgt Ion: 98 Resp: 375885
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0

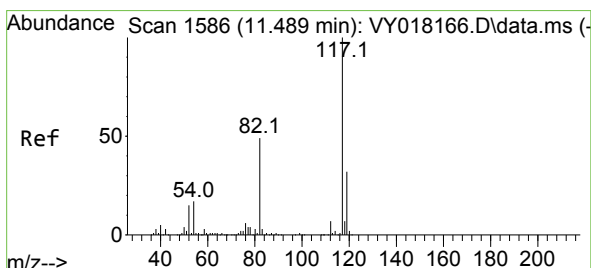
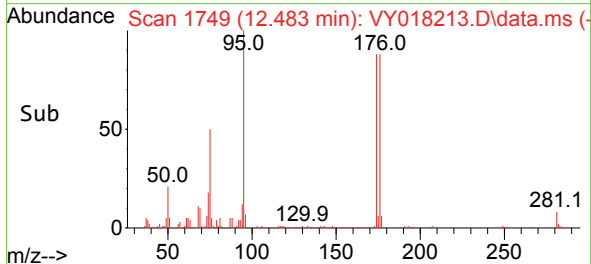
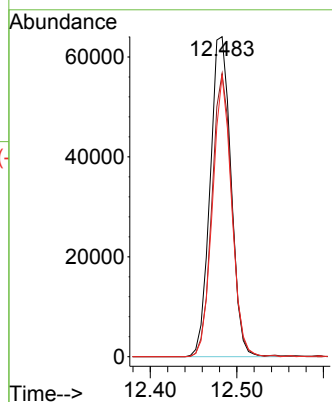
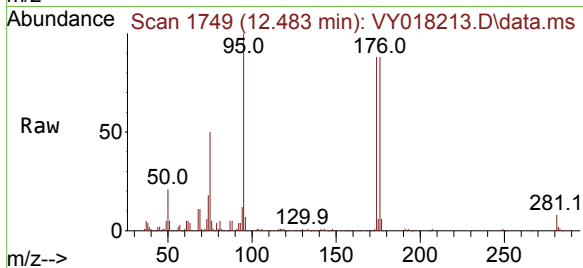




#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

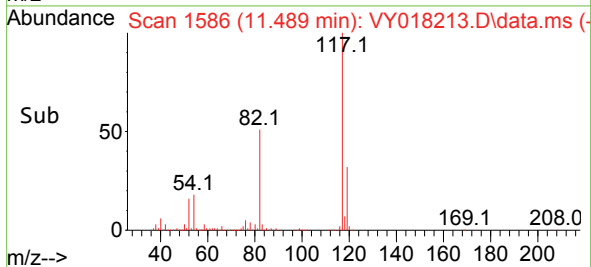
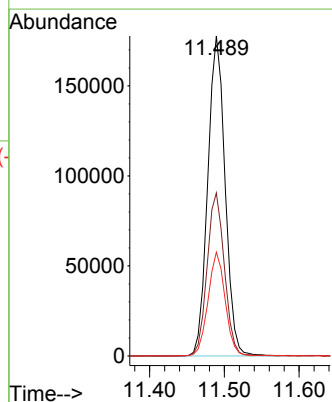
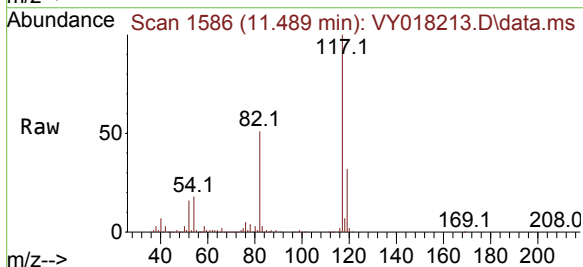
Instrument :
MSVOA_Y
ClientSampleId :

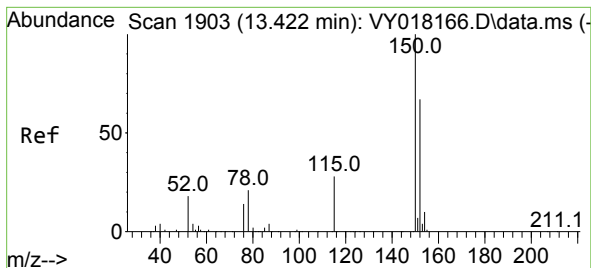
Tgt Ion: 95 Resp: 107181
Ion Ratio Lower Upper
95 100
174 84.0 0.0 175.6
176 80.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018213.D
Acq: 09 May 2024 16:30

Tgt Ion: 117 Resp: 286090
Ion Ratio Lower Upper
117 100
82 50.9 42.4 63.6
119 32.4 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: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

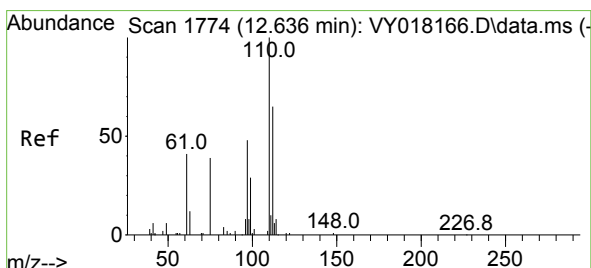
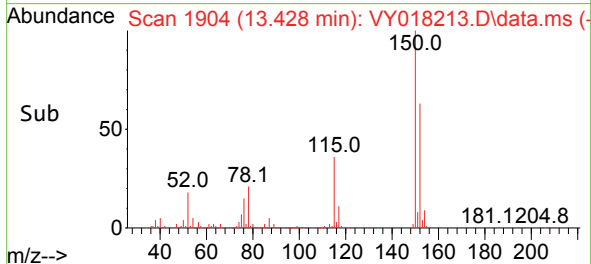
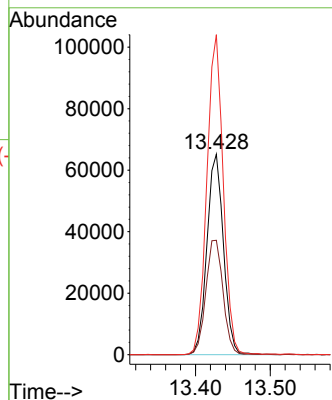
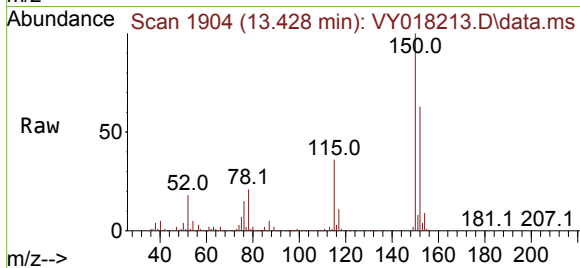
Tgt Ion:152 Resp: 99957

Ion Ratio Lower Upper

152 100

115 59.6 28.2 84.7

150 158.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.949 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018213.D

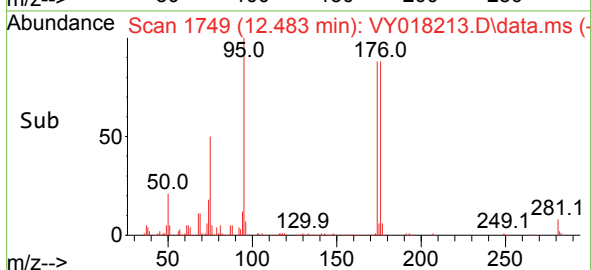
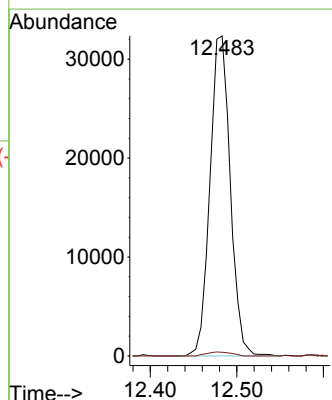
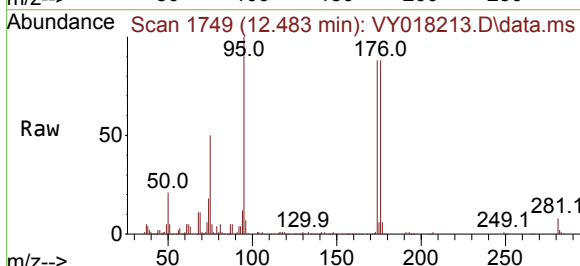
Acq: 09 May 2024 16:30

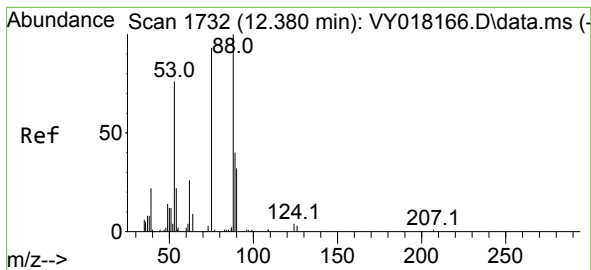
Tgt Ion: 75 Resp: 52765

Ion Ratio Lower Upper

75 100

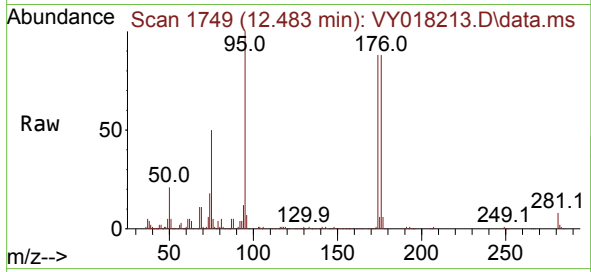
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.061 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY018213.D
 Acq: 09 May 2024 16:30

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 52765
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

