

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015368.D
 Acq On : 30 Aug 2023 11:25
 Operator : SY/MD
 Sample : VY0830SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 31 00:57:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 22:47:33 2023
 Response via : Initial Calibration

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

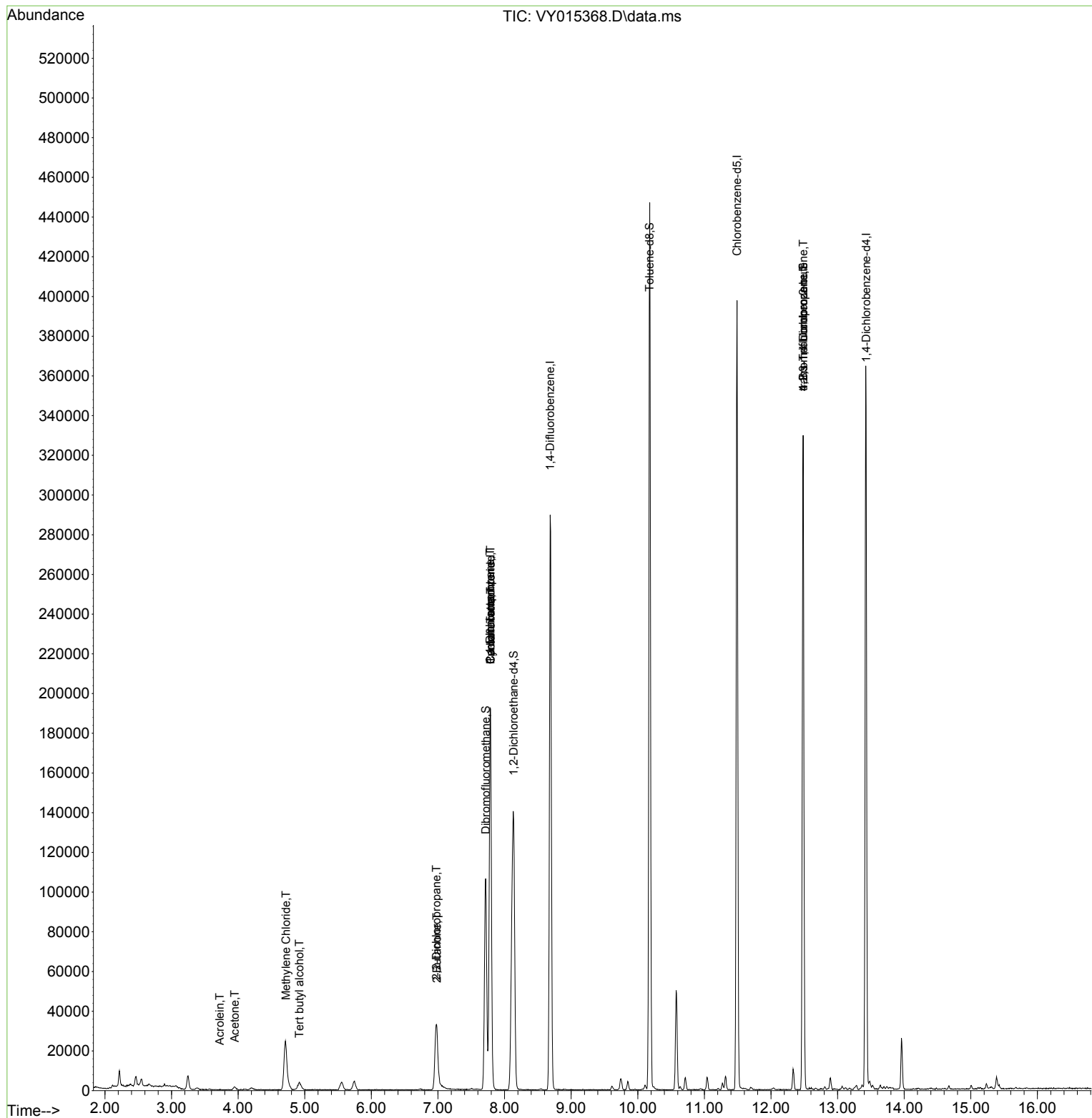
Internal Standards						
1) Pentafluorobenzene	7.789	168	149626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	249895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	212334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	79834	49.773	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.540%			
35) Dibromofluoromethane	7.716	113	74325	51.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.179	98	289989	55.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.260%			
62) 4-Bromofluorobenzene	12.483	95	89283	46.140	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.918	59	3769	10.134	ug/l #	89
13) Acrolein	3.723	56	37	11.725	ug/l #	14
16) Acetone	3.948	43	2741	4.094	ug/l	93
20) Methylene Chloride	4.716	84	17866	2.502	ug/l	89
25) 2-Butanone	6.984	43	2114	2.226	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	2858	1.124	ug/l #	54
31) Cyclohexane	7.789	56	3485	1.223	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	12493	4.943	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15387	5.895	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48469	39.144	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48469	85.994	ug/l #	11

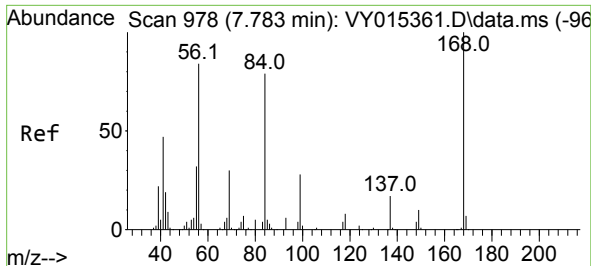
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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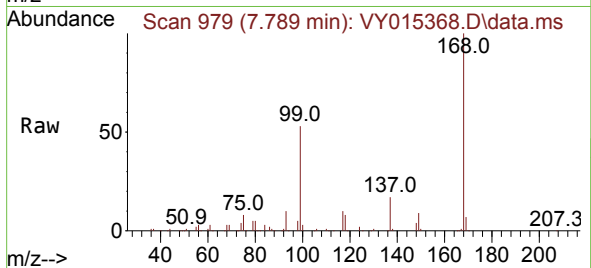
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 22:47:33 2023
Response via : Initial Calibration



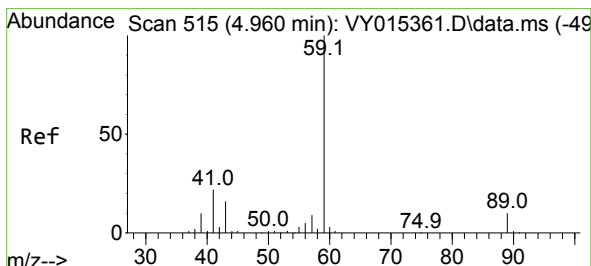
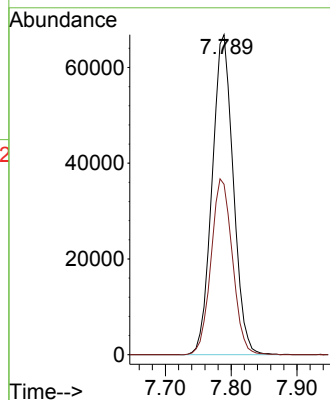
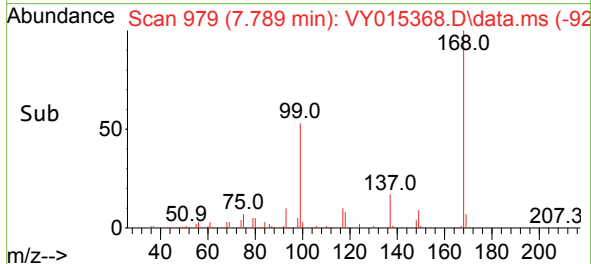


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

Instrument :
MSVOA_Y
ClientSampleId :

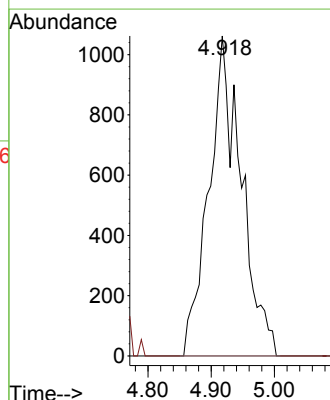
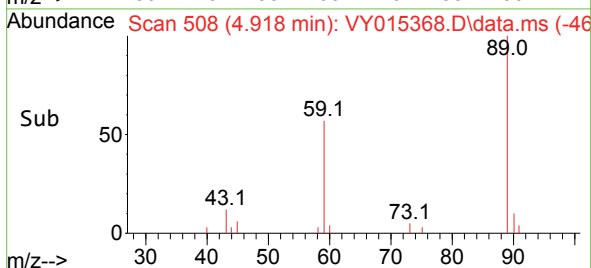
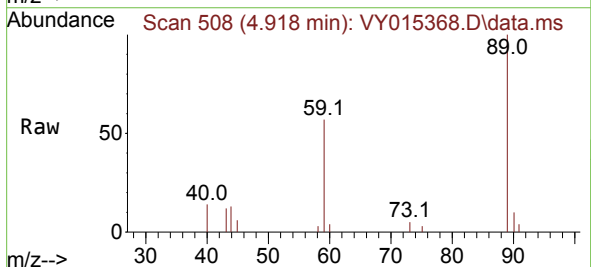


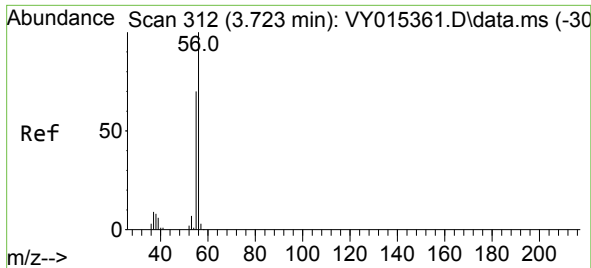
Tgt Ion:168 Resp: 149626
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.134 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

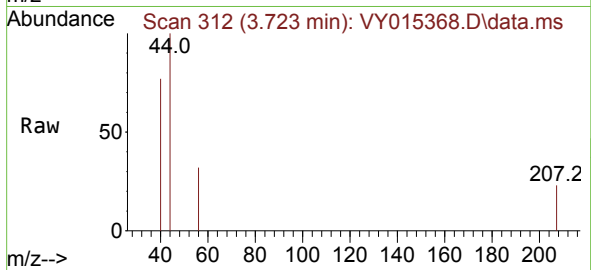
Tgt Ion: 59 Resp: 3769
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



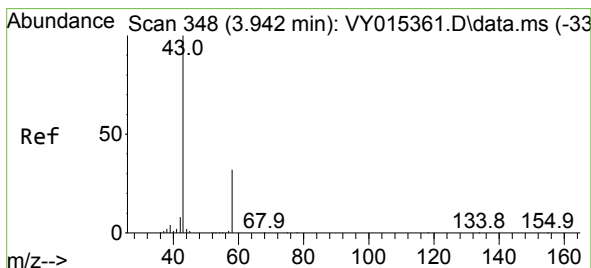
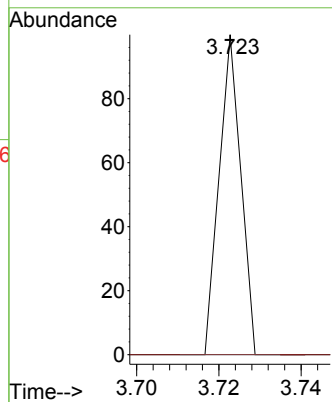
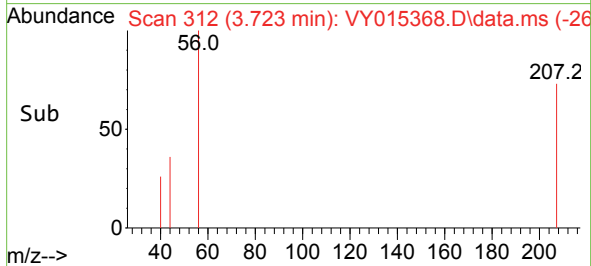


#13
Acrolein
Concen: 11.725 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

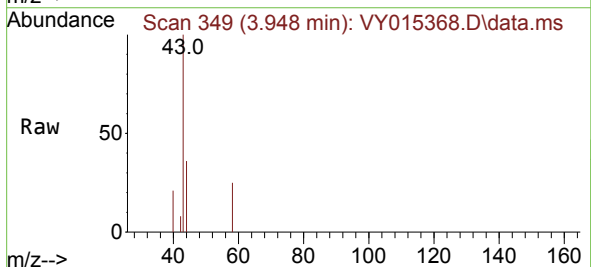
Instrument :
MSVOA_Y
ClientSampleId :



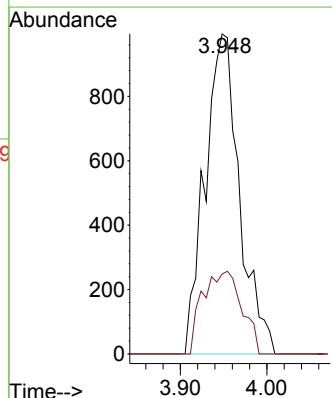
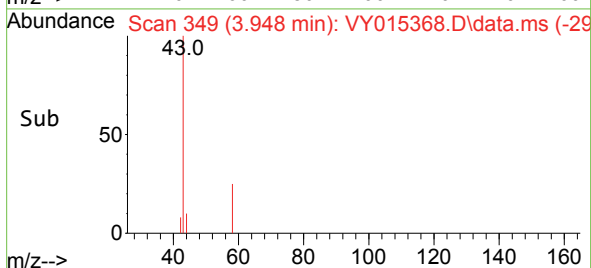
Tgt Ion: 56 Resp: 37
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

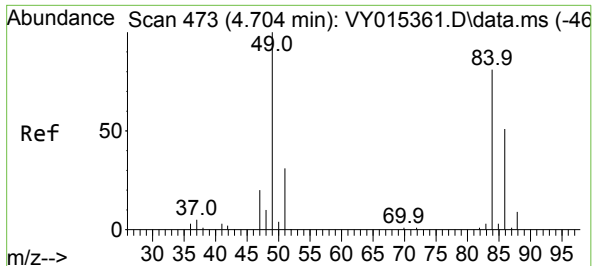


#16
Acetone
Concen: 4.094 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25



Tgt Ion: 43 Resp: 2741
Ion Ratio Lower Upper
43 100
58 24.9 22.7 34.1





#20

Methylene Chloride

Concen: 2.502 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

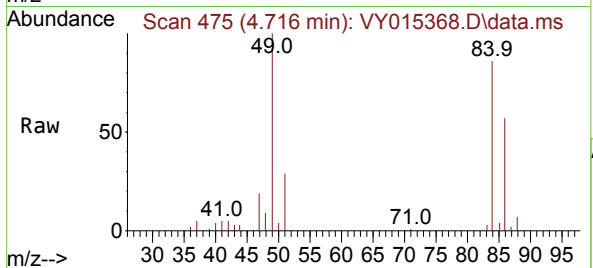
Lab File: VY015368.D

Acq: 30 Aug 2023 11:25

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 17866

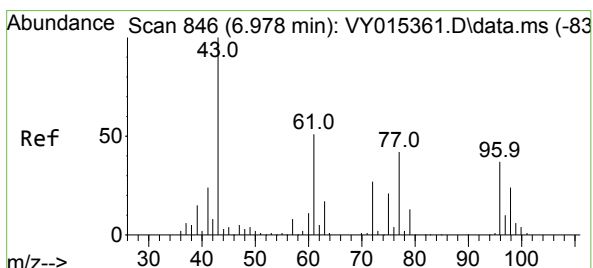
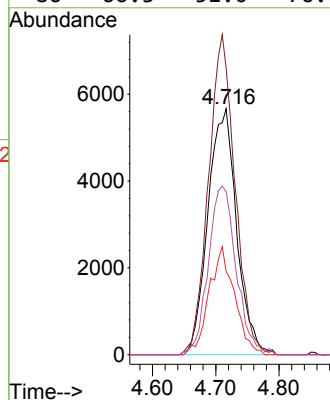
Ion Ratio Lower Upper

84 100

49 116.5 106.9 160.3

51 33.9 33.2 49.8

86 66.3 51.0 76.6



#25

2-Butanone

Concen: 2.226 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY015368.D

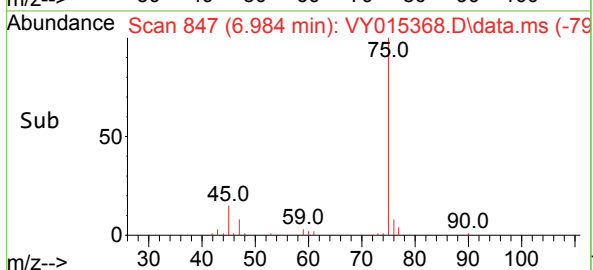
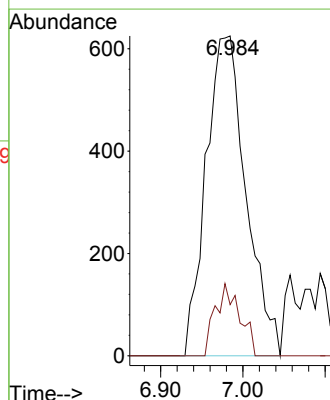
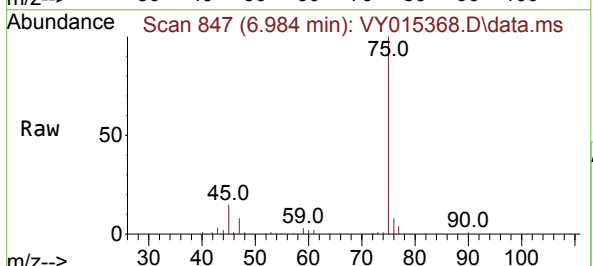
Acq: 30 Aug 2023 11:25

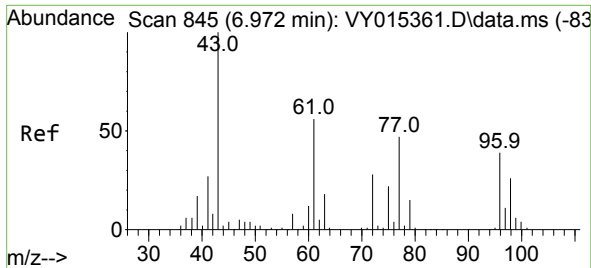
Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

72 16.0 20.5 30.7#

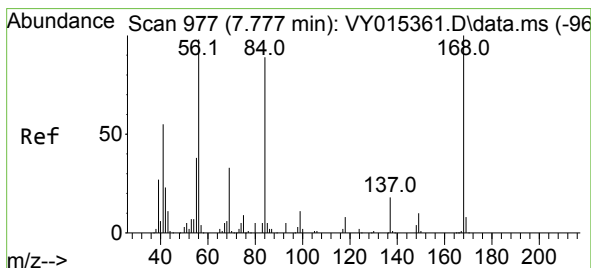
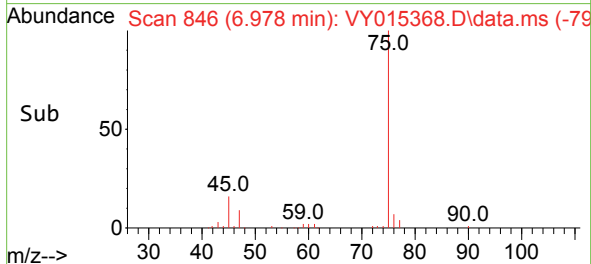
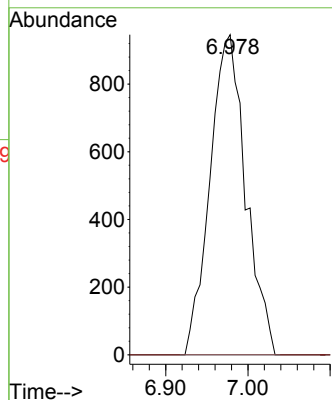
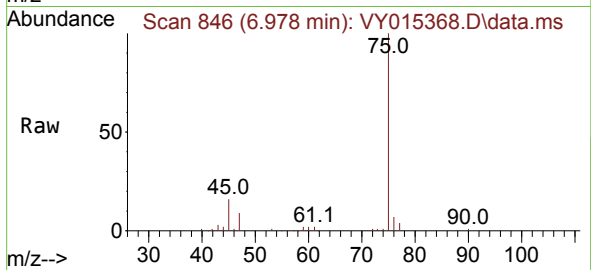




#26
2,2-Dichloropropane
Concen: 1.124 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

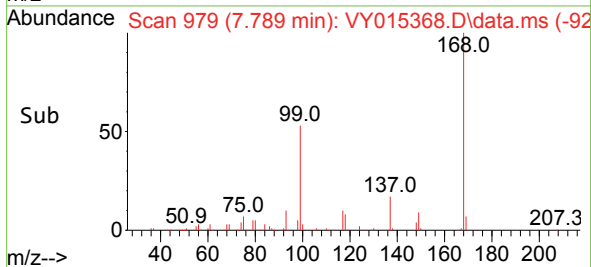
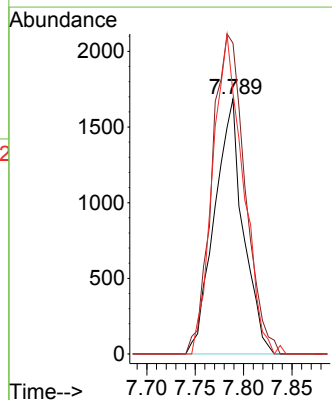
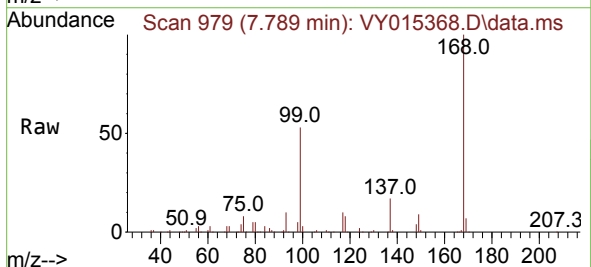
Instrument :
MSVOA_Y
ClientSampleId :

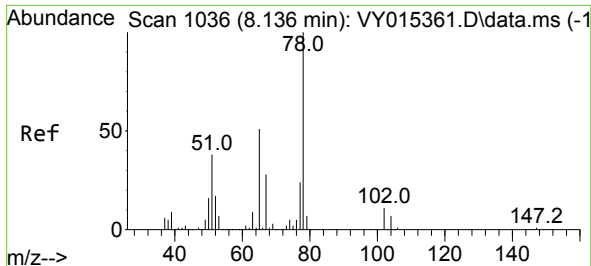
Tgt Ion: 77 Resp: 2858
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

Tgt Ion: 56 Resp: 3485
Ion Ratio Lower Upper
56 100
69 121.8 27.8 41.6#
84 102.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.773 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015368.D

Acq: 30 Aug 2023 11:25

Instrument :

MSVOA_Y

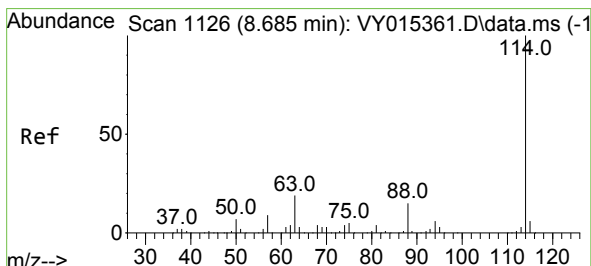
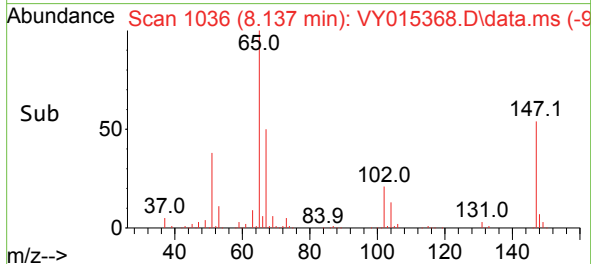
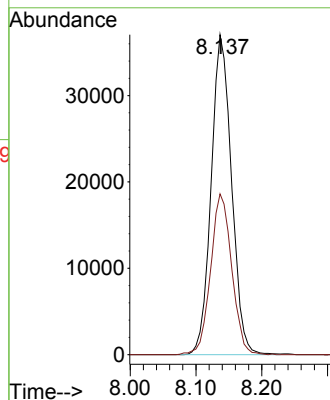
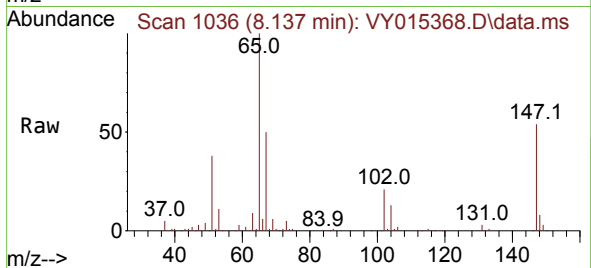
ClientSampleId :

Tgt Ion: 65 Resp: 79834

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015368.D

Acq: 30 Aug 2023 11:25

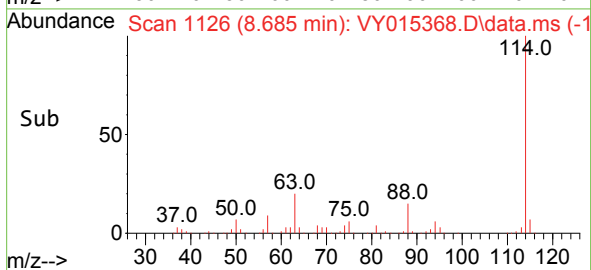
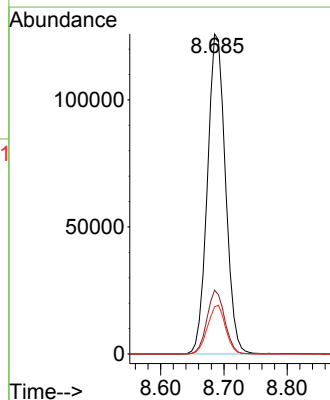
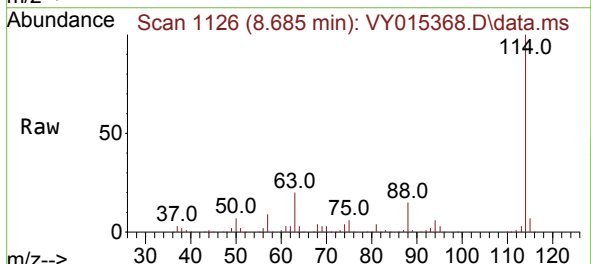
Tgt Ion:114 Resp: 249895

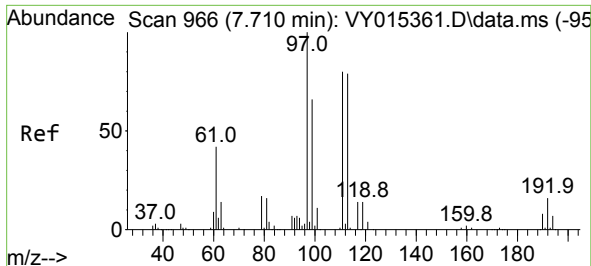
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.7 0.0 30.6

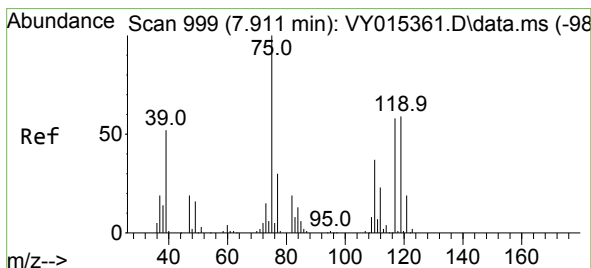
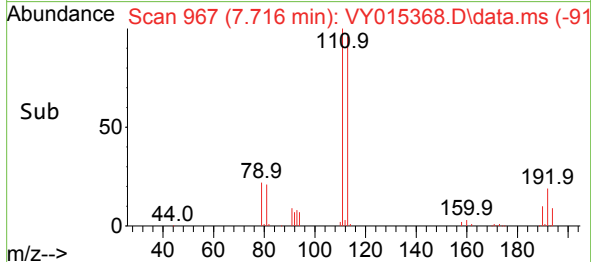
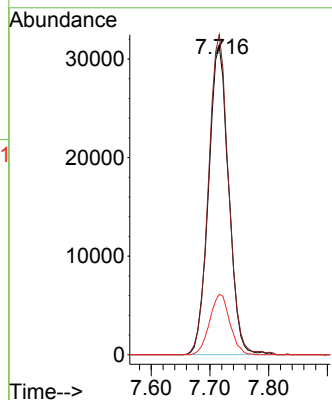
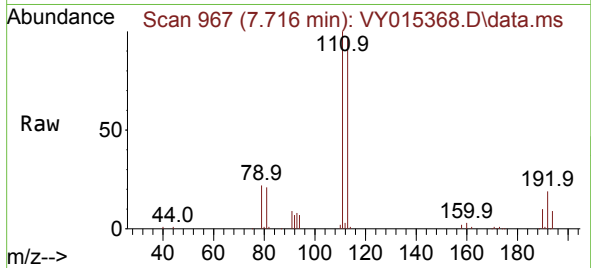




#35
Dibromofluoromethane
Concen: 51.638 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

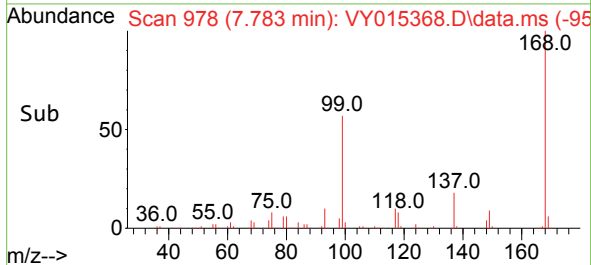
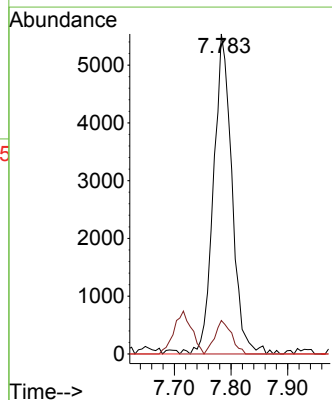
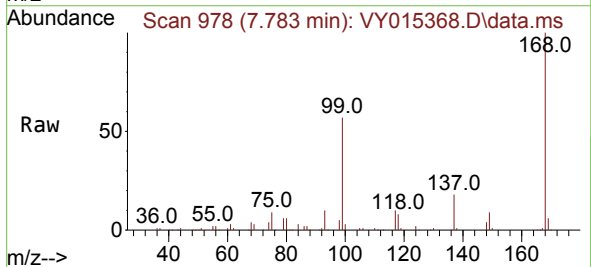
Instrument :
MSVOA_Y
ClientSampleId :

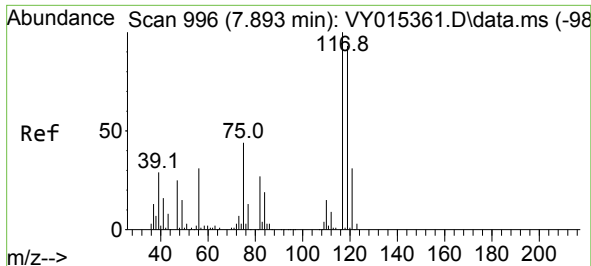
Tgt Ion:113 Resp: 74325
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

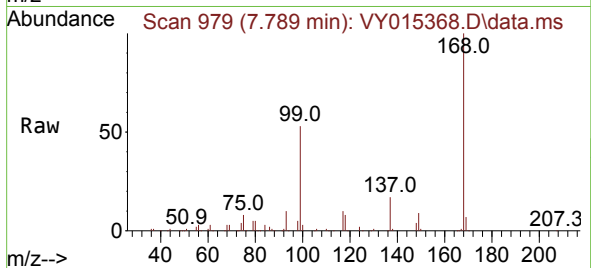
Tgt Ion: 75 Resp: 12493
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



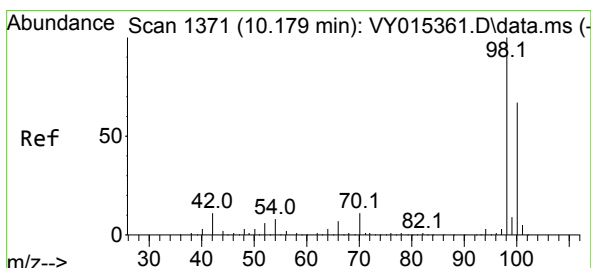
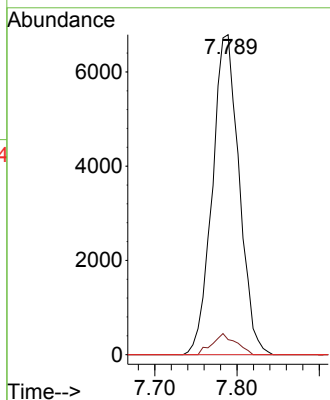
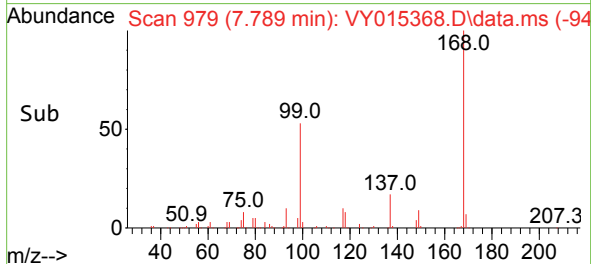


#38
Carbon Tetrachloride
Concen: 5.895 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

Instrument :
MSVOA_Y
ClientSampleId :

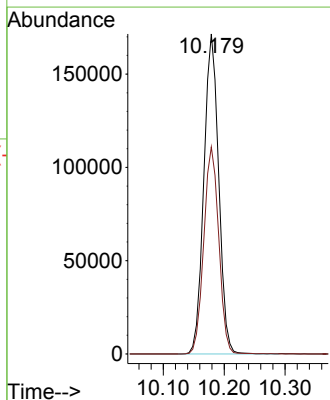
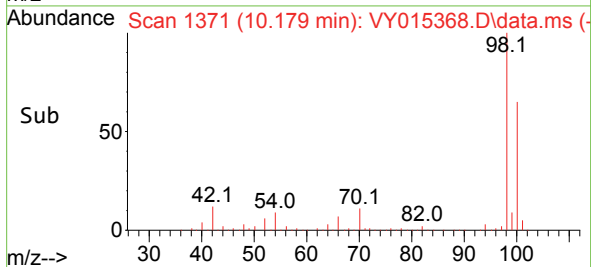
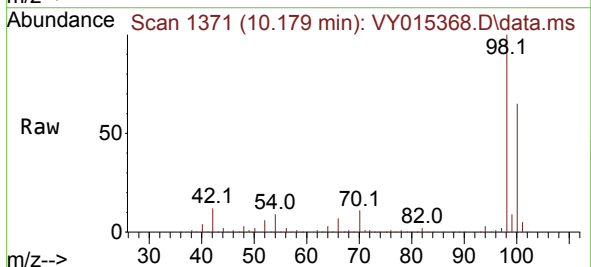


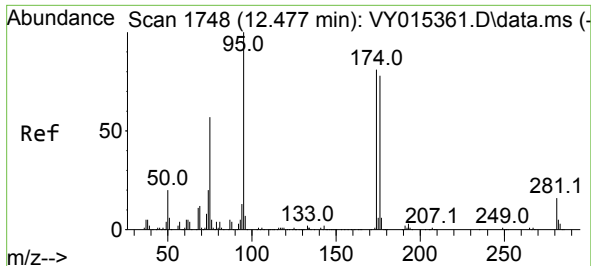
Tgt Ion:117 Resp: 15387
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.635 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

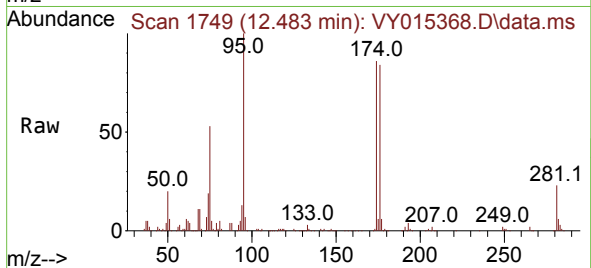
Tgt Ion: 98 Resp: 289989
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



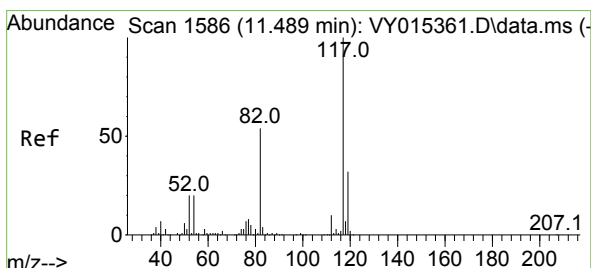
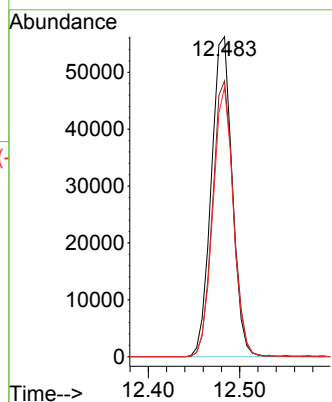
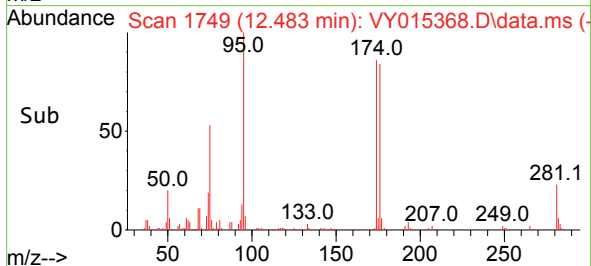


#62
4-Bromofluorobenzene
Concen: 46.140 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

Instrument :
MSVOA_Y
ClientSampleId :

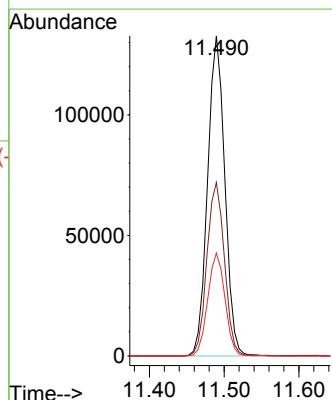
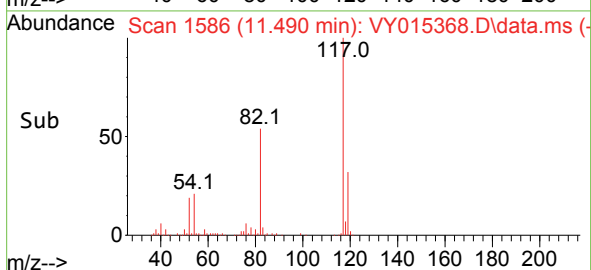
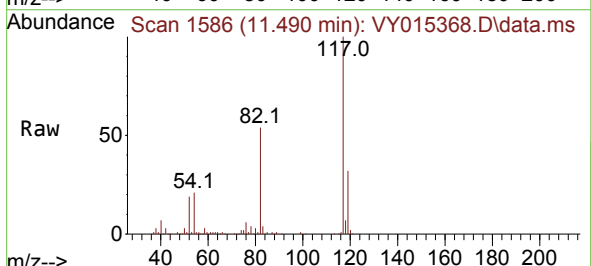


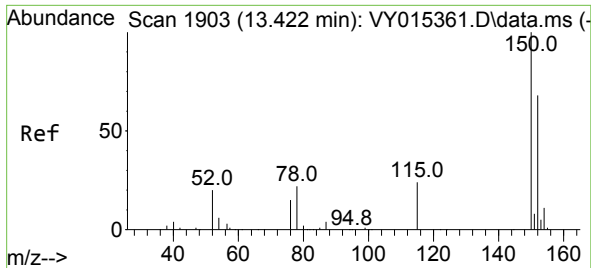
Tgt Ion: 95 Resp: 89283
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015368.D
Acq: 30 Aug 2023 11:25

Tgt Ion: 117 Resp: 212334
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 32.2 26.3 39.5

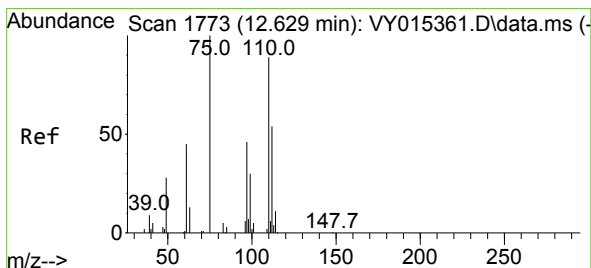
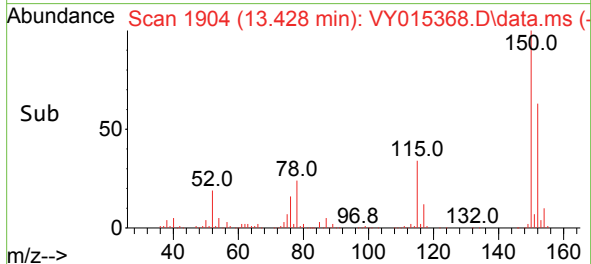
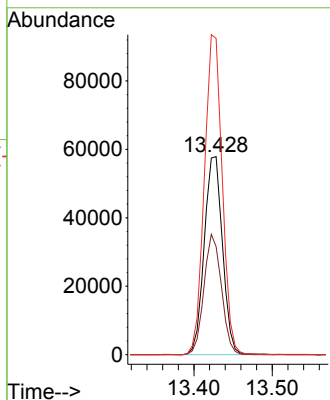
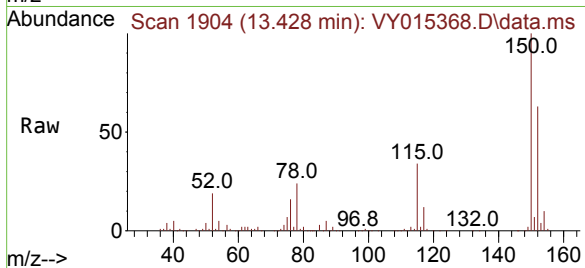




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015368.D
 Acq: 30 Aug 2023 11:25

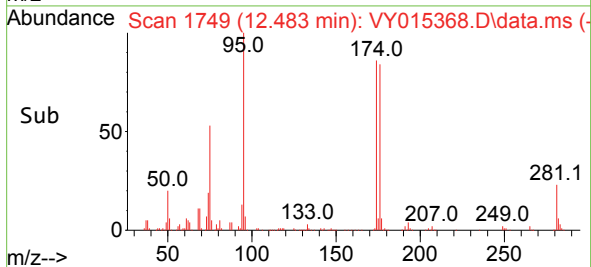
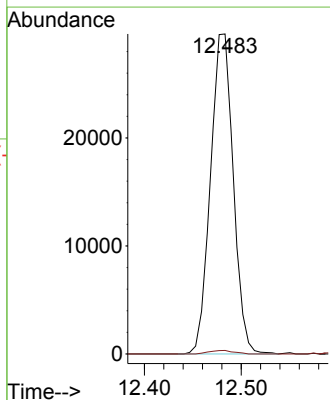
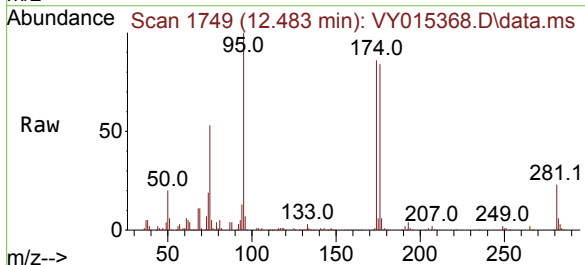
Instrument :
 MSVOA_Y
 ClientSampleId :

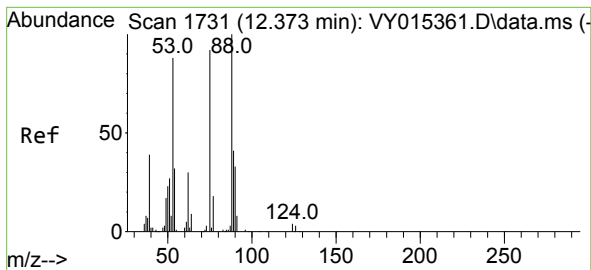
Tgt Ion:152 Resp: 93757
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.8 86.5
 150 157.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 39.144 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015368.D
 Acq: 30 Aug 2023 11:25

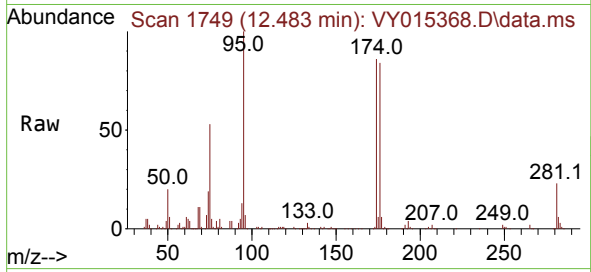
Tgt Ion: 75 Resp: 48469
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.994 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015368.D
 Acq: 30 Aug 2023 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 48469
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

