

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015426.D
 Acq On : 01 Sep 2023 19:26
 Operator : SY/MD
 Sample : 04283-07
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2

Quant Time: Sep 01 23:46:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

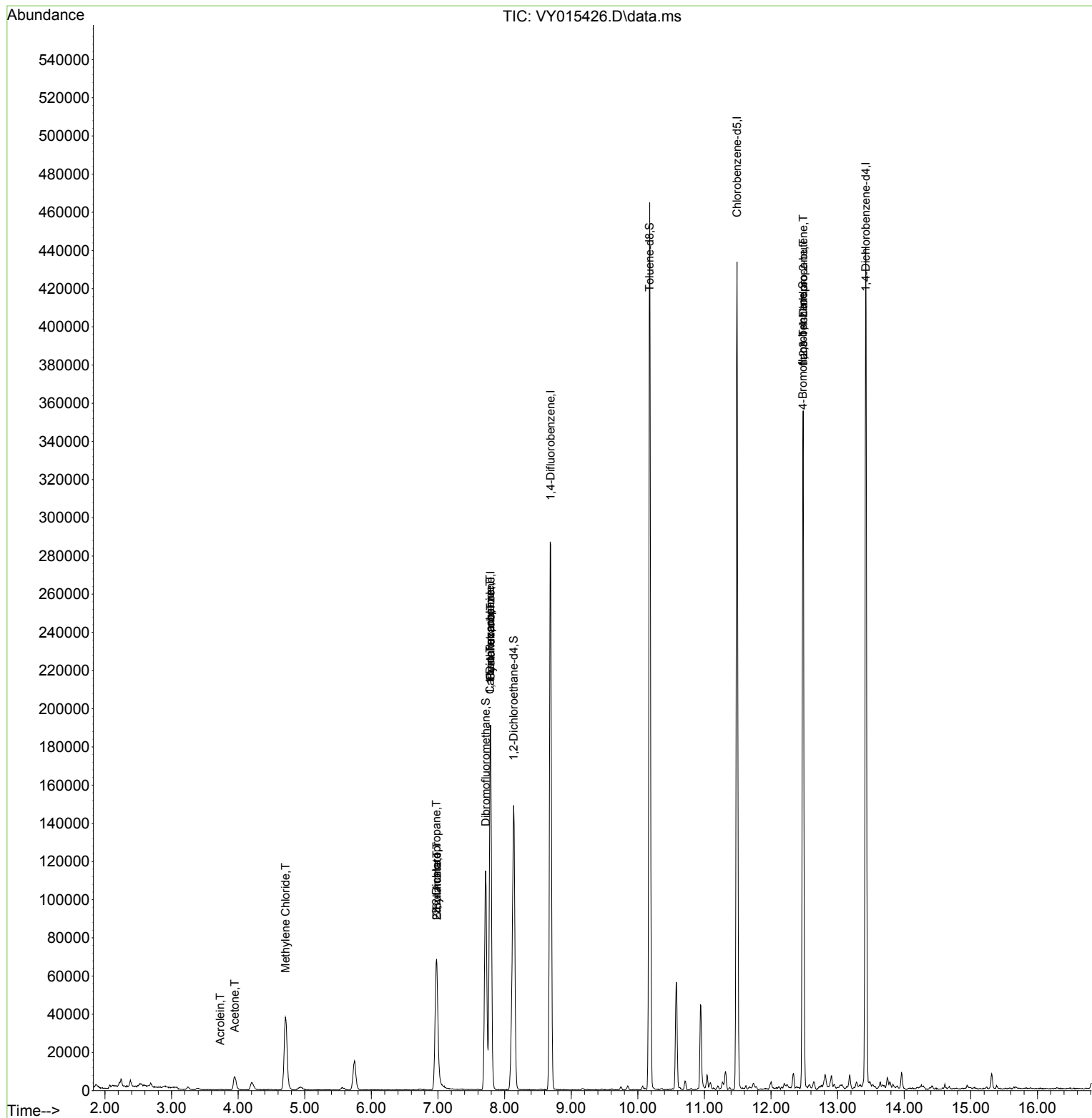
Internal Standards						
1) Pentafluorobenzene	7.789	168	148399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	231639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100218	62.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.000%	
35) Dibromofluoromethane	7.716	113	79834	55.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.140%	
50) Toluene-d8	10.179	98	294935	56.687	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.380%	
62) 4-Bromofluorobenzene	12.477	95	101963	52.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.580%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	2685	Below Cal	#	89
13) Acrolein	3.729	56	258	12.202	ug/l #	56
16) Acetone	3.948	43	13397	20.176	ug/l	99
20) Methylene Chloride	4.710	84	29726	8.647	ug/l	91
25) 2-Butanone	6.984	43	6342	6.734	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	5215	2.068	ug/l #	54
31) Cyclohexane	7.789	56	3274	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12155	4.818	ug/l #	50
37) Ethyl Acetate	6.984	43	6342	3.260	ug/l #	39
38) Carbon Tetrachloride	7.783	117	15191	5.830	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	55636	37.643	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55636	83.037	ug/l #	11

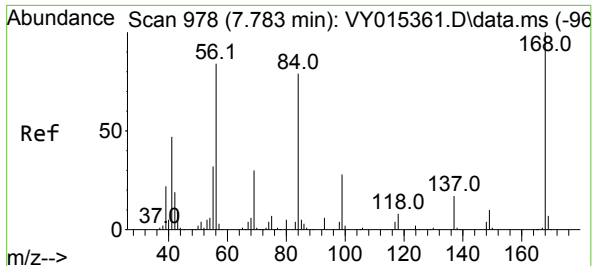
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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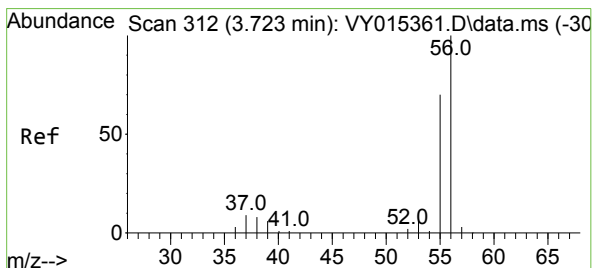
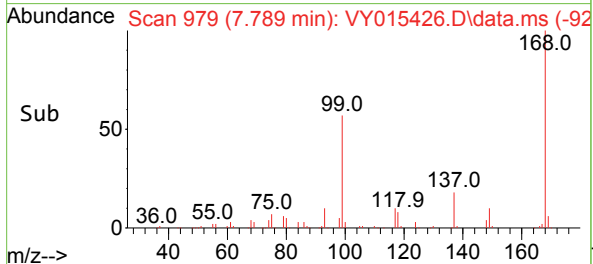
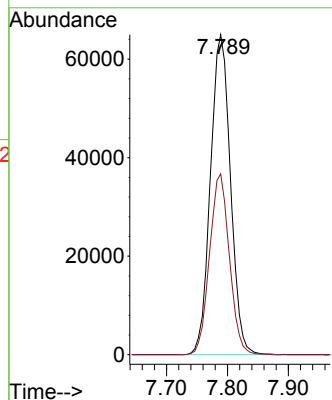
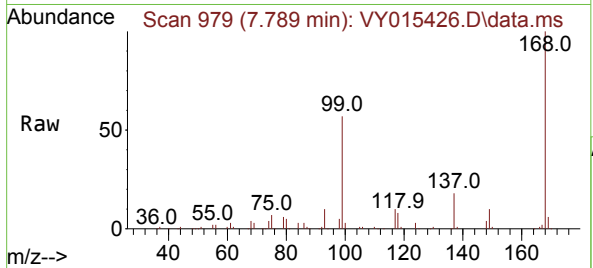




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

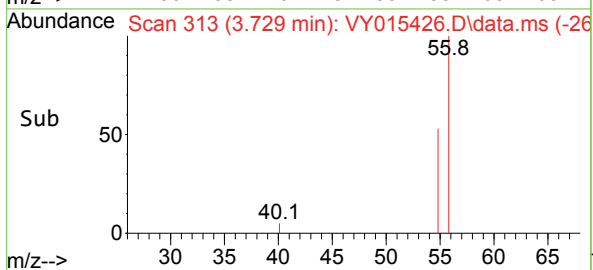
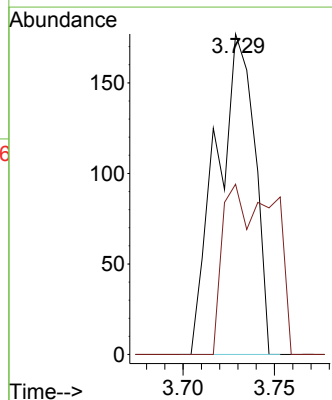
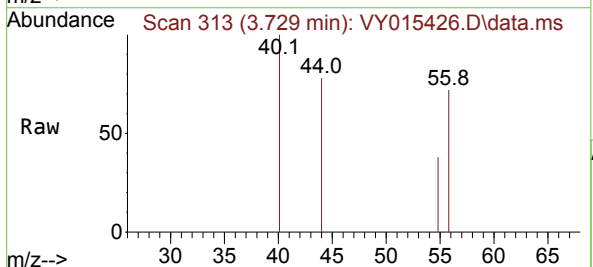
Instrument :
MSVOA_Y
ClientSampleId :
C-2

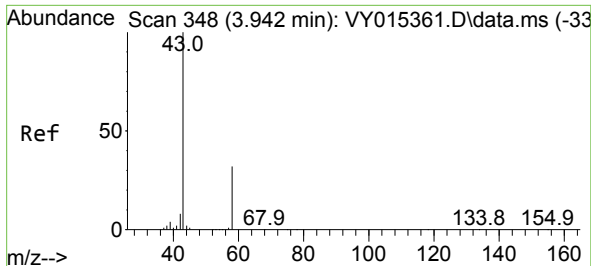
Tgt Ion:168 Resp: 148399
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#13
Acrolein
Concen: 12.202 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 34.9 57.0 85.4#

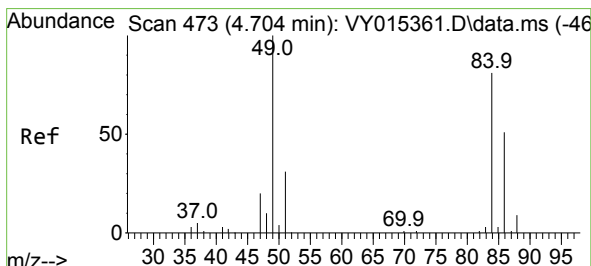
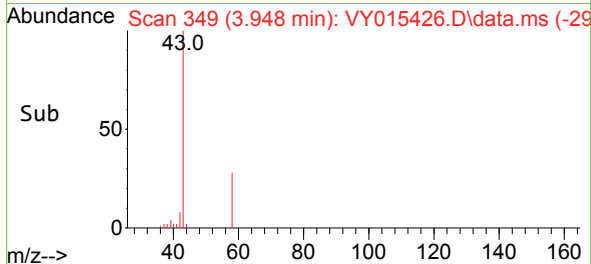
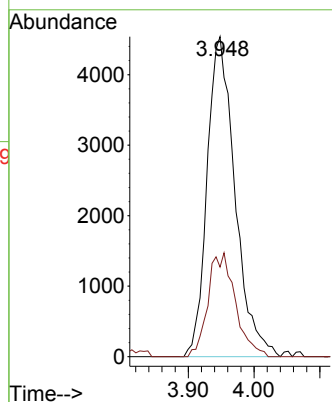
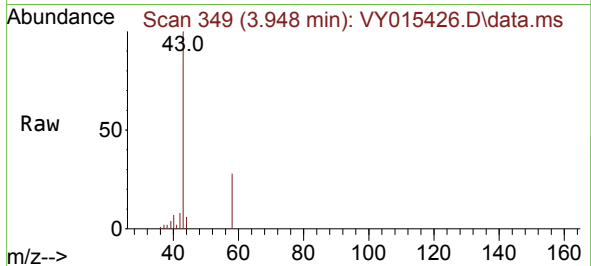




#16
Acetone
Concen: 20.176 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

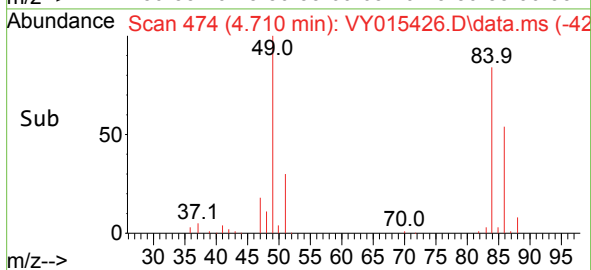
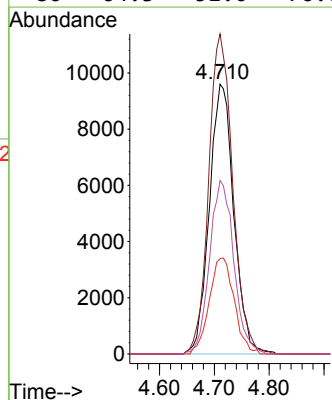
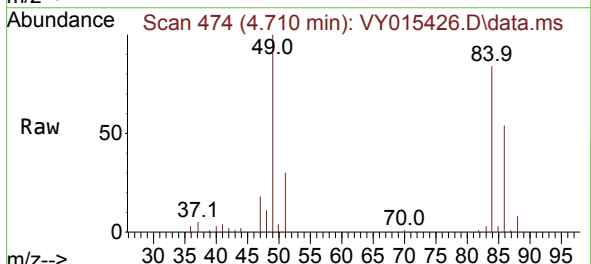
Instrument :
MSVOA_Y
ClientSampleId :
C-2

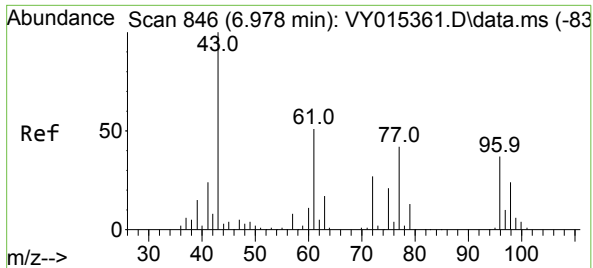
Tgt Ion: 43 Resp: 13397
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



#20
Methylene Chloride
Concen: 8.647 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 84 Resp: 29726
Ion Ratio Lower Upper
84 100
49 118.6 106.9 160.3
51 35.3 33.2 49.8
86 64.3 51.0 76.6

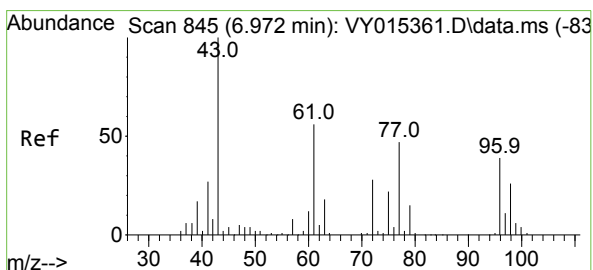
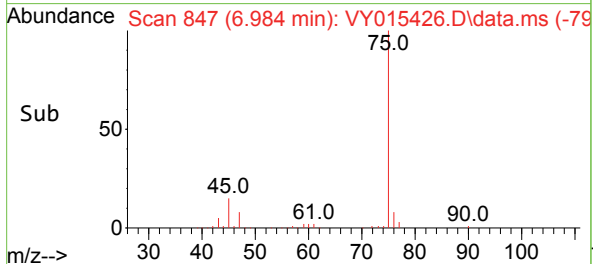
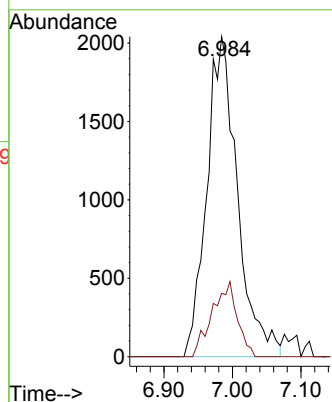
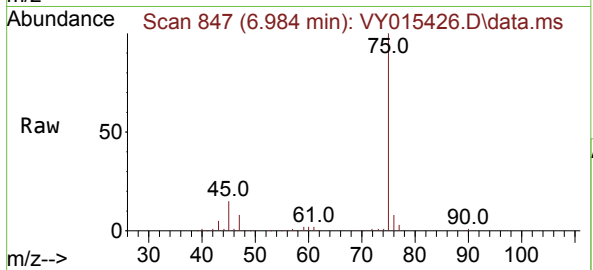




#25
2-Butanone
Concen: 6.734 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

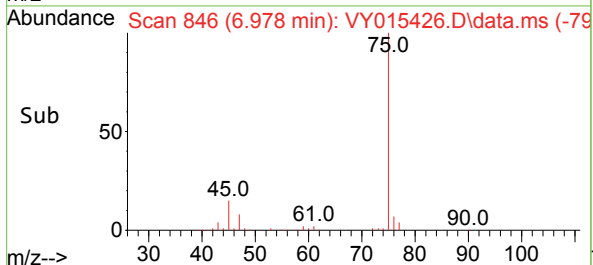
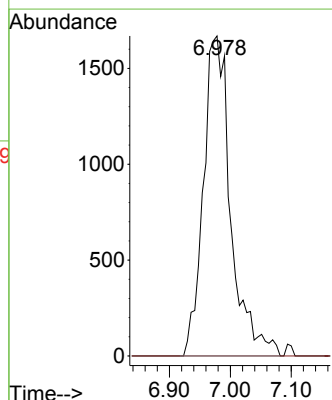
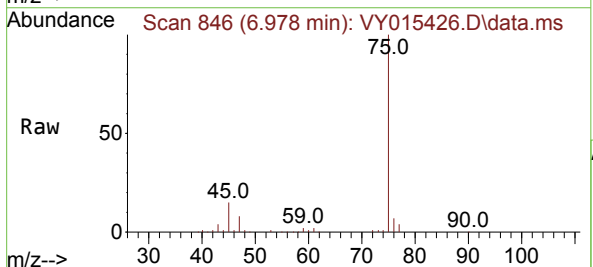
Instrument :
MSVOA_Y
ClientSampleId :
C-2

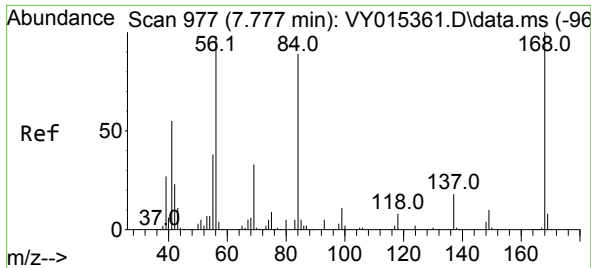
Tgt Ion: 43 Resp: 6342
Ion Ratio Lower Upper
43 100
72 19.8 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.068 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 77 Resp: 5215
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

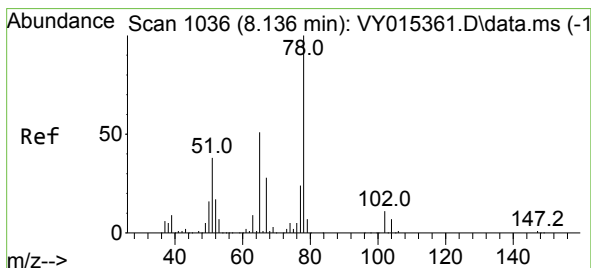
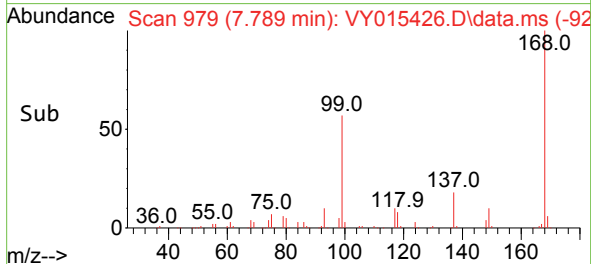
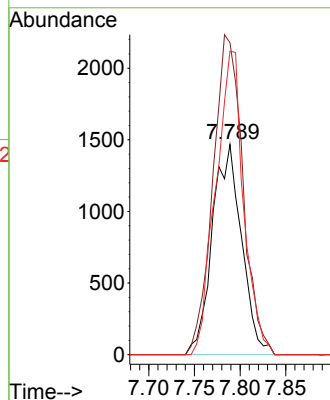
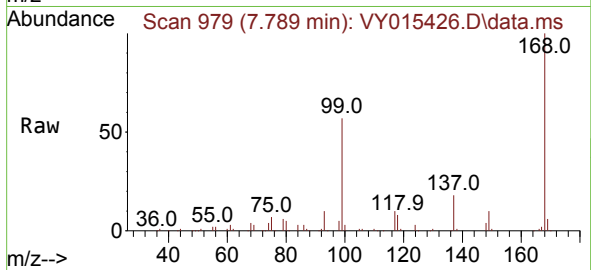




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

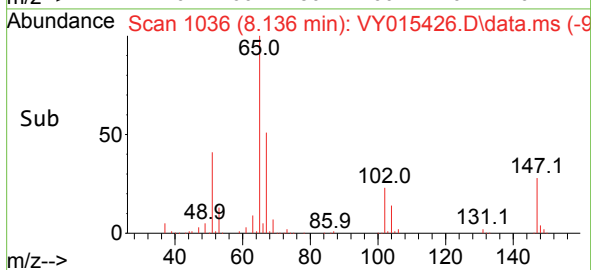
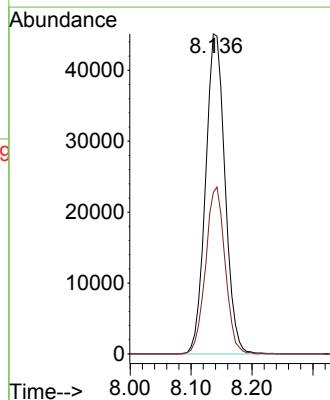
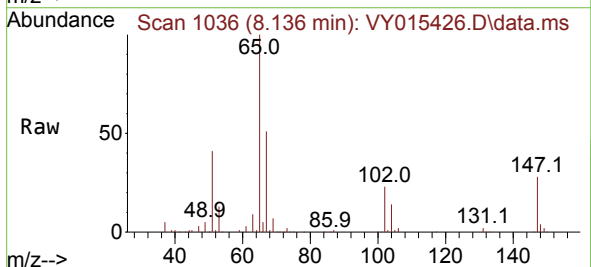
Instrument :
MSVOA_Y
ClientSampleId :
C-2

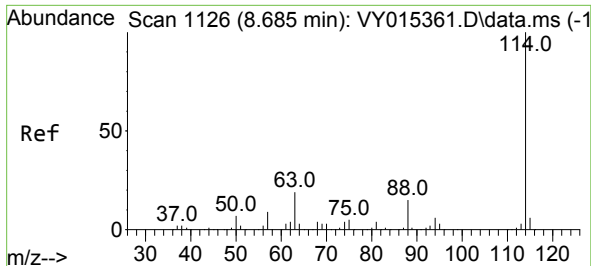
Tgt Ion: 56 Resp: 3274
Ion Ratio Lower Upper
56 100
69 148.4 27.8 41.6#
84 144.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.998 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 65 Resp: 100218
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015426.D

Acq: 01 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

C-2

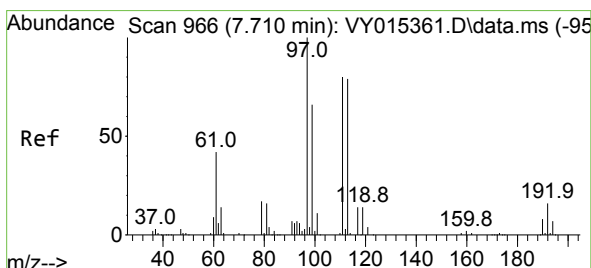
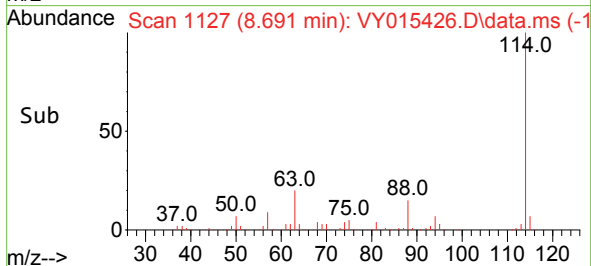
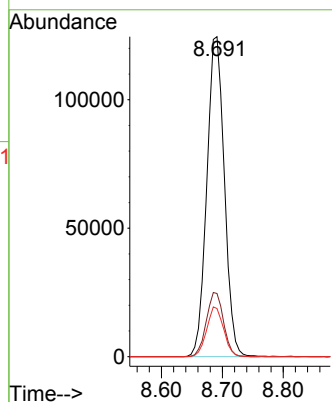
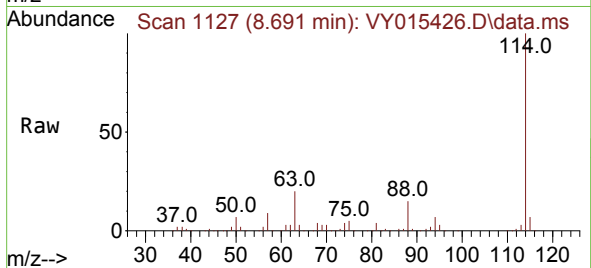
Tgt Ion:114 Resp: 249440

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.567 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015426.D

Acq: 01 Sep 2023 19:26

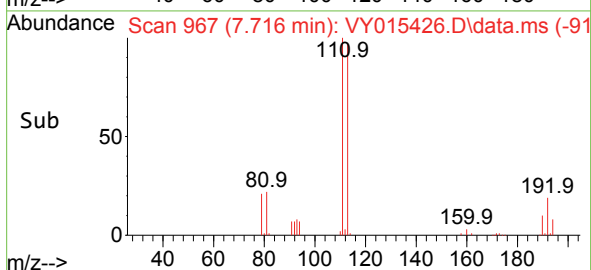
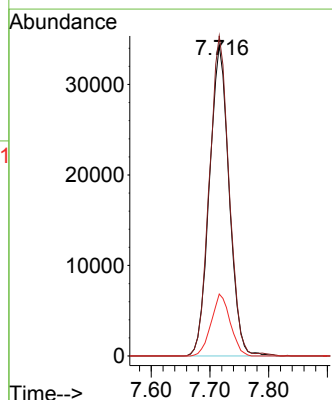
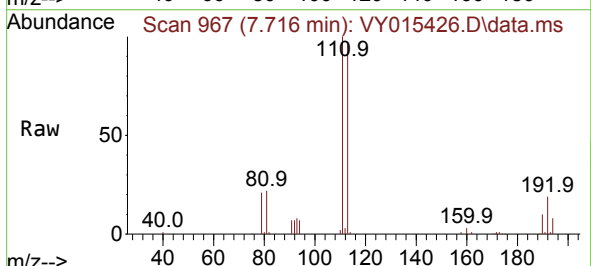
Tgt Ion:113 Resp: 79834

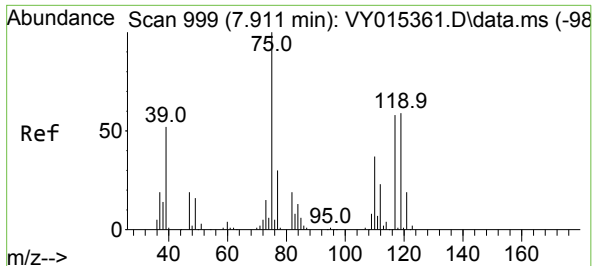
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.3 16.9 25.3

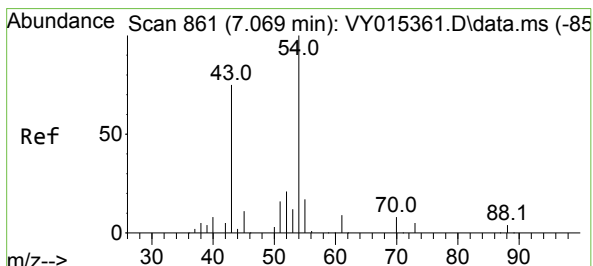
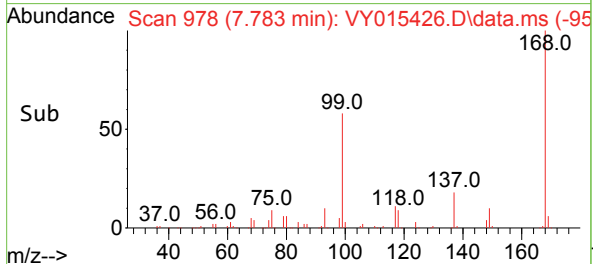
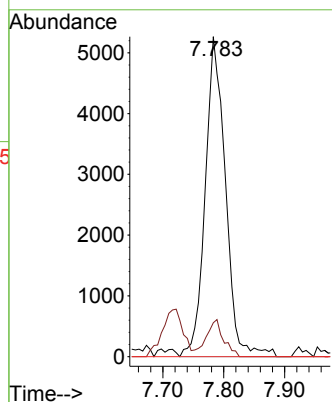
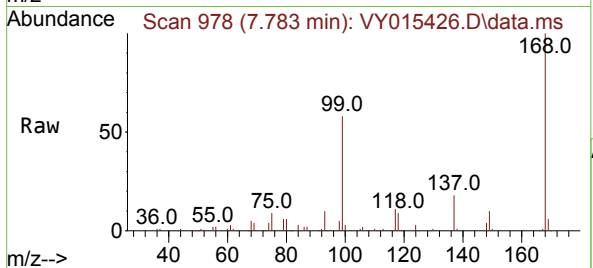




#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

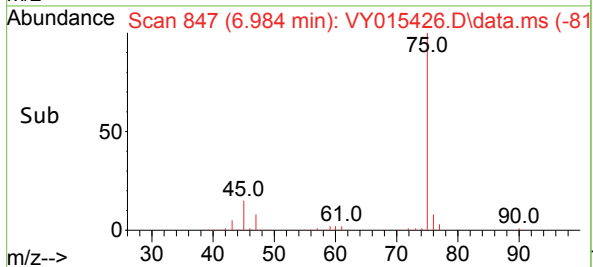
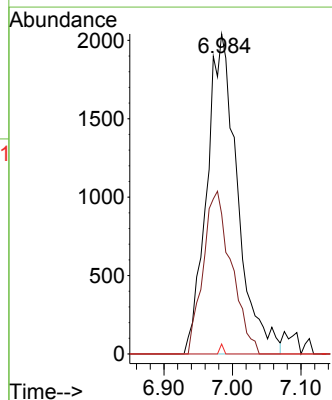
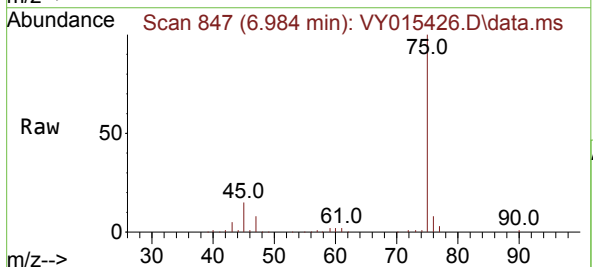
Instrument :
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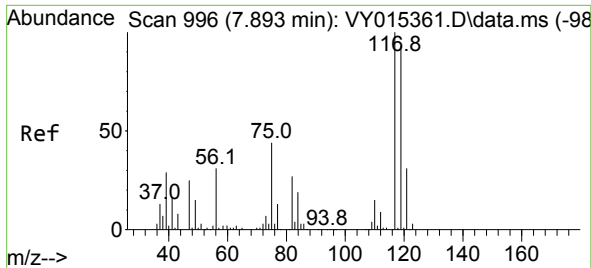
Tgt Ion: 75 Resp: 12155
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.260 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 43 Resp: 6342
Ion Ratio Lower Upper
43 100
61 47.0 10.1 15.1#
70 0.4 7.1 10.7#

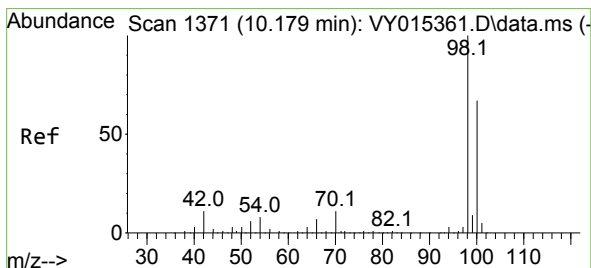
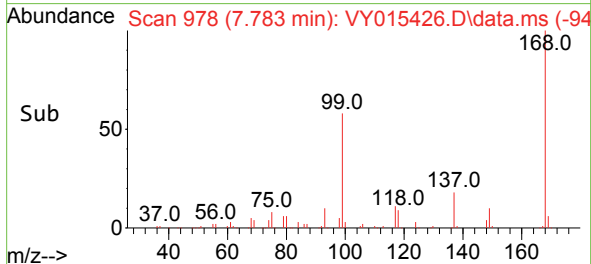
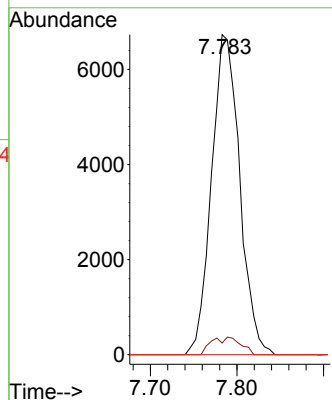
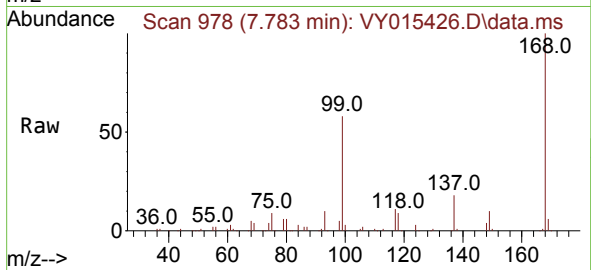




#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

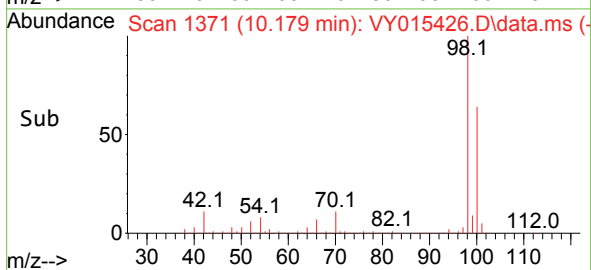
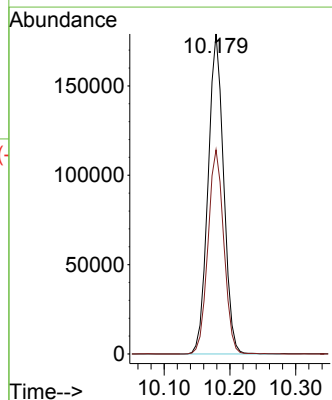
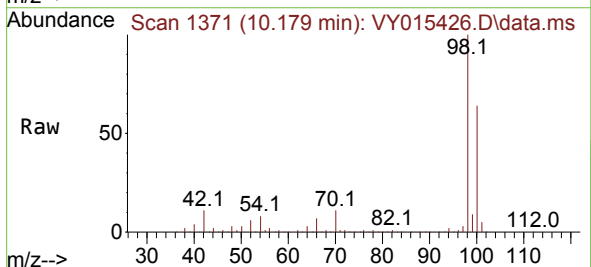
Instrument :
MSVOA_Y
ClientSampleId :
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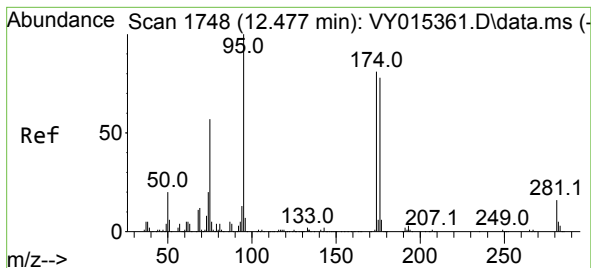
Tgt Ion:117 Resp: 15191
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.687 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 98 Resp: 294935
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

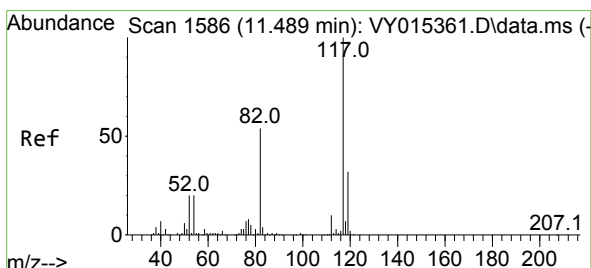
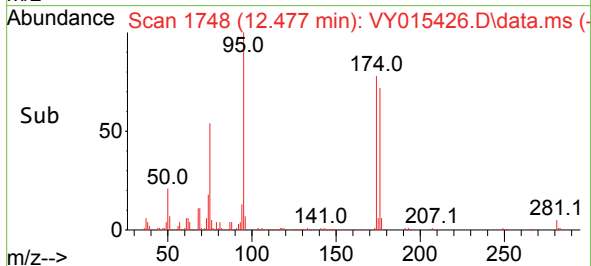
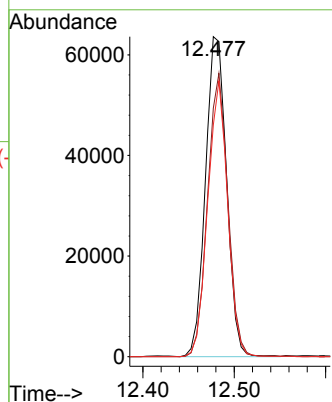
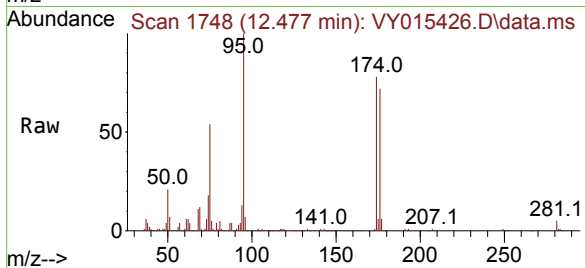




#62
4-Bromofluorobenzene
Concen: 52.789 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

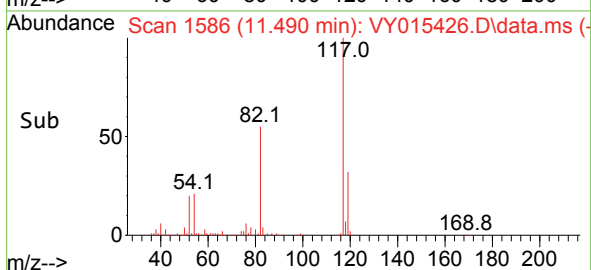
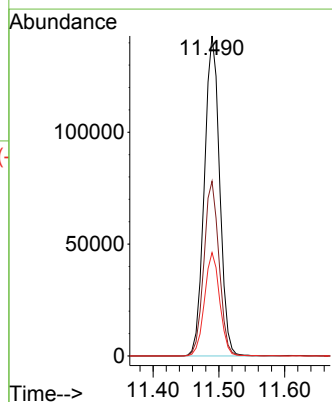
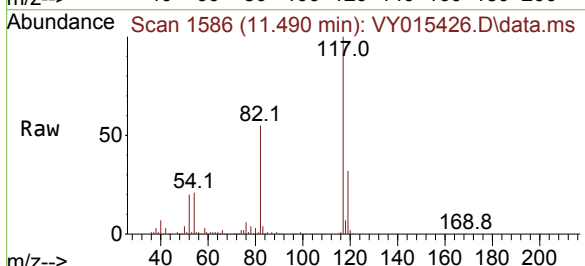
Instrument :
MSVOA_Y
ClientSampleId :
C-2

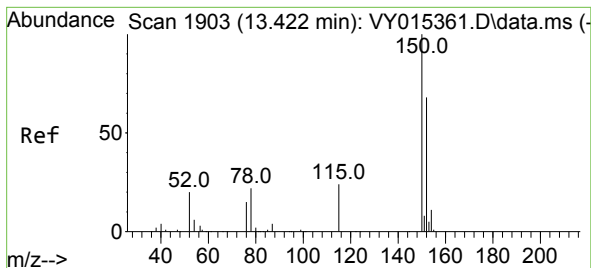
Tgt Ion: 95 Resp: 101963
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 81.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015426.D
Acq: 01 Sep 2023 19:26

Tgt Ion: 117 Resp: 231639
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015426.D

Acq: 01 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

C-2

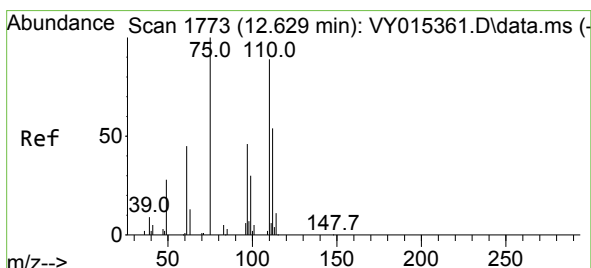
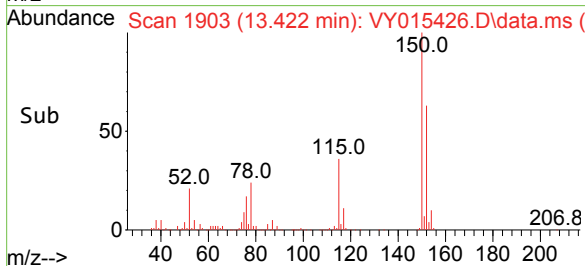
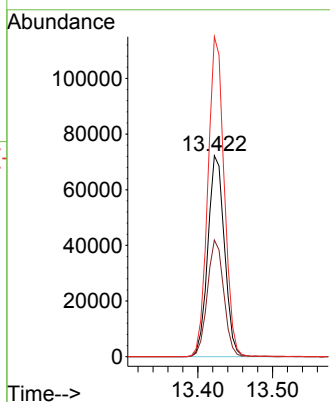
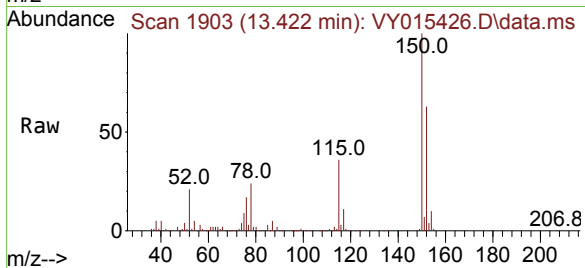
Tgt Ion:152 Resp: 111453

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.643 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015426.D

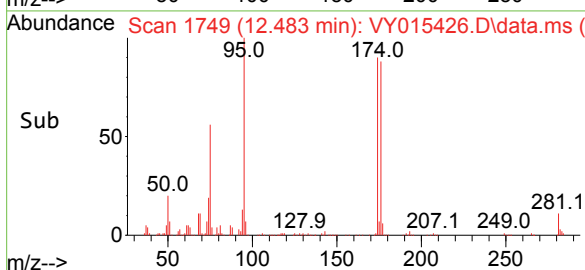
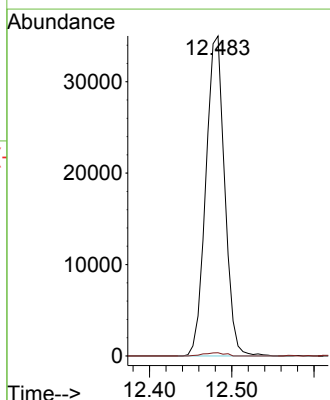
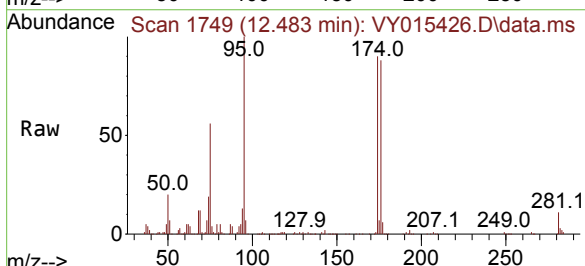
Acq: 01 Sep 2023 19:26

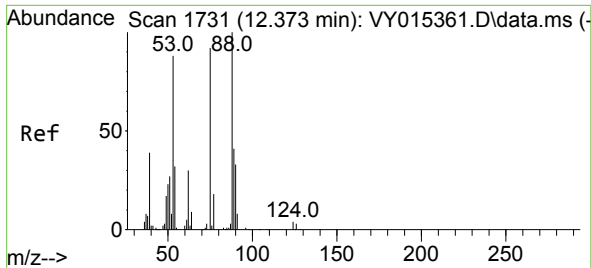
Tgt Ion: 75 Resp: 55636

Ion Ratio Lower Upper

75 100

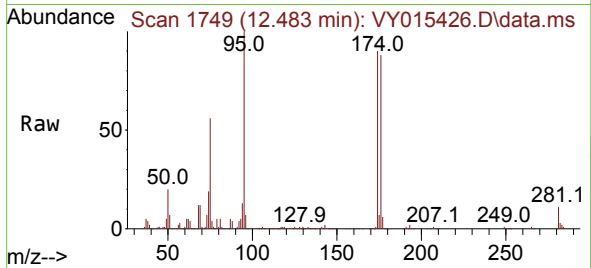
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.037 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015426.D
 Acq: 01 Sep 2023 19:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.3	37.4	56.0#

