

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015725.D
 Acq On : 27 Sep 2023 15:22
 Operator : SY/MD
 Sample : 04637-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:46:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

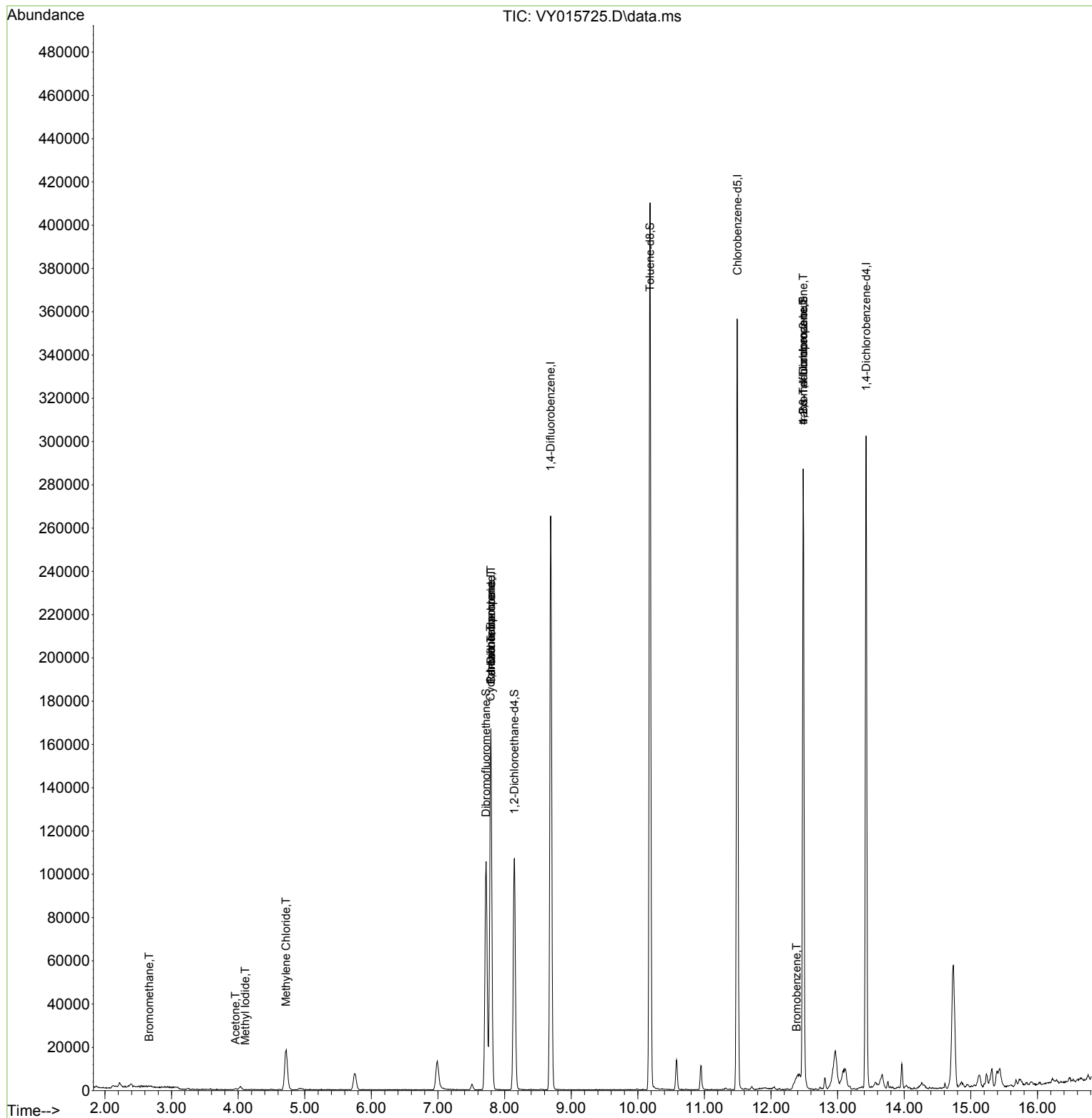
Internal Standards						
1) Pentafluorobenzene	7.795	168	130081	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	229577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	198647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	83776	58.533	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.060%	
35) Dibromofluoromethane	7.722	113	75365	54.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.700%	
50) Toluene-d8	10.185	98	267847	57.489	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.980%	
62) 4-Bromofluorobenzene	12.483	95	81249	44.438	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	161	2.681	ug/l #	66
10) Methyl Iodide	4.106	142	45	2.757	ug/l #	38
11) Tert butyl alcohol	4.936	59	935	Below Cal	#	89
16) Acetone	3.960	43	958	1.251	ug/l #	76
20) Methylene Chloride	4.716	84	14409	4.152	ug/l #	83
31) Cyclohexane	7.789	56	2677	1.350	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	10202	5.021	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12952	5.873	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	43124	35.082	ug/l #	100
77) Bromobenzene	12.385	156	3754	2.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	43124	79.000	ug/l #	11

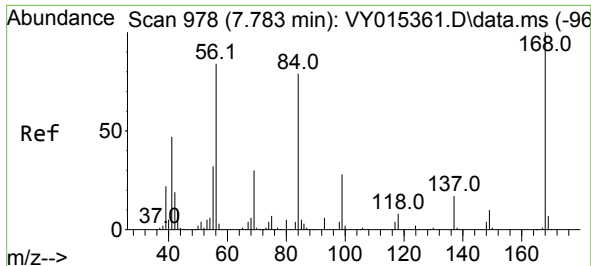
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 20 01:39:40 2023
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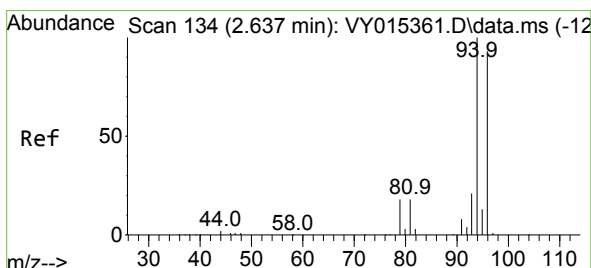
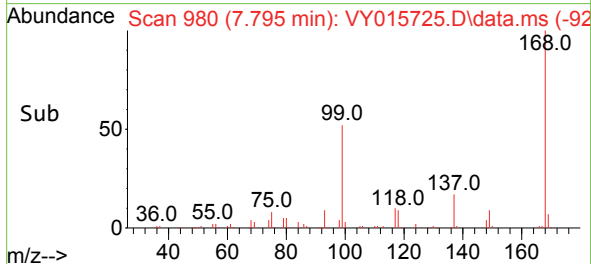
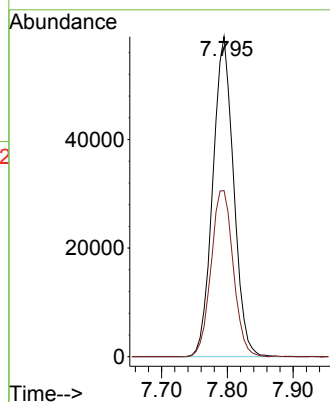
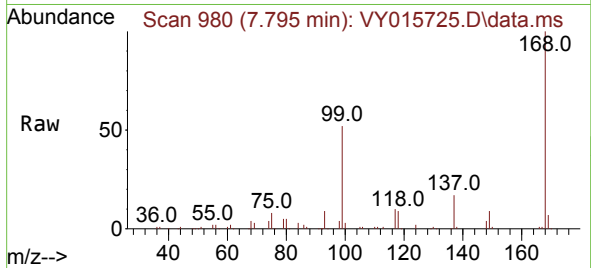




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

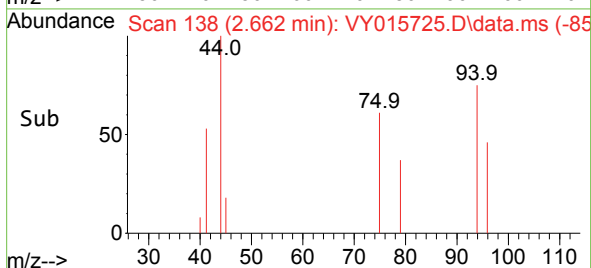
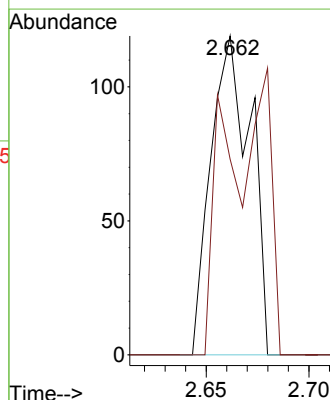
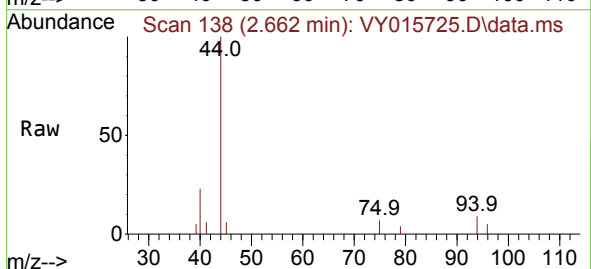
Instrument :
MSVOA_Y
ClientSampleId :

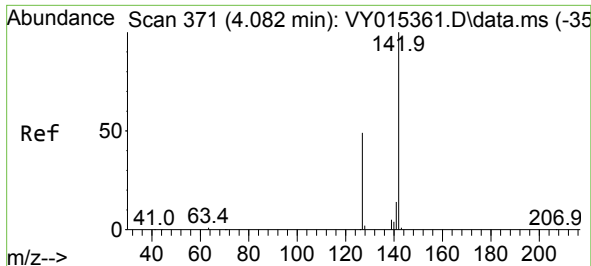
Tgt Ion:168 Resp: 130081
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#5
Bromomethane
Concen: 2.681 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

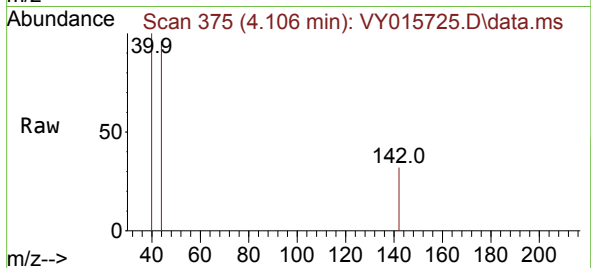
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 61.3 75.8 113.6#



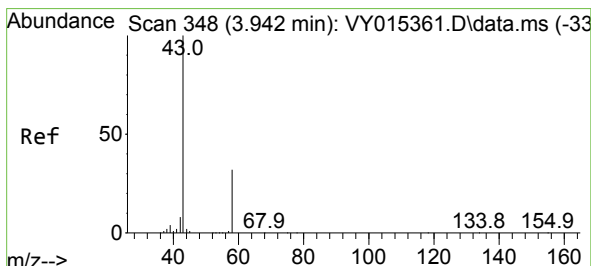
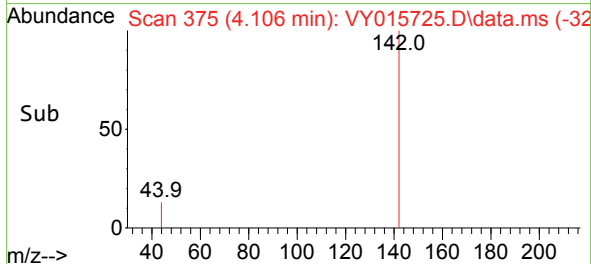
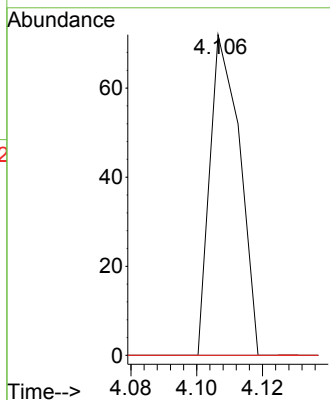


#10
Methyl Iodide
Concen: 2.757 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Instrument :
MSVOA_Y
ClientSampleId :

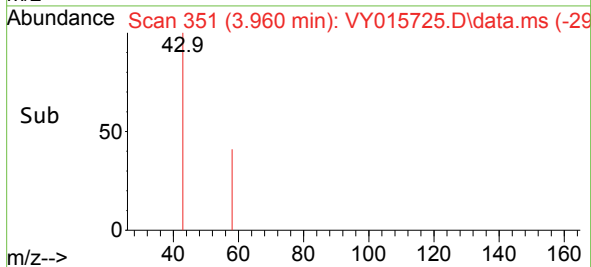
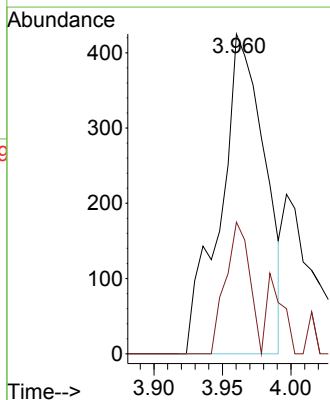
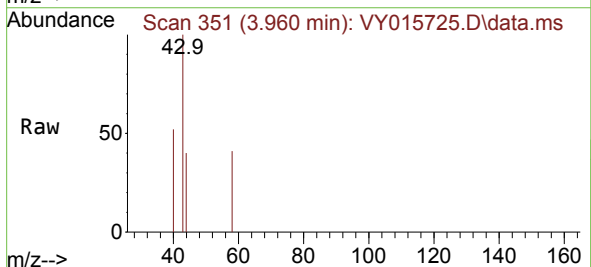


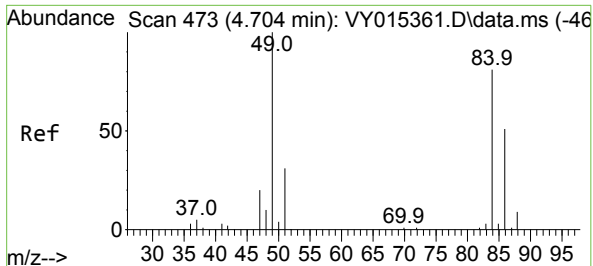
Tgt Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.251 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

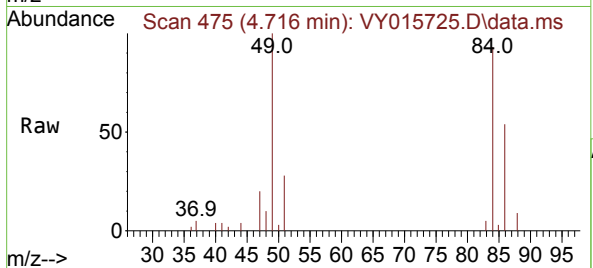
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 41.2 22.7 34.1#



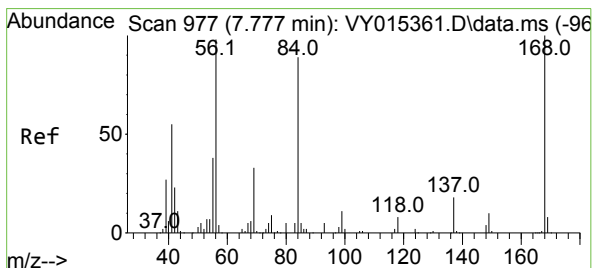
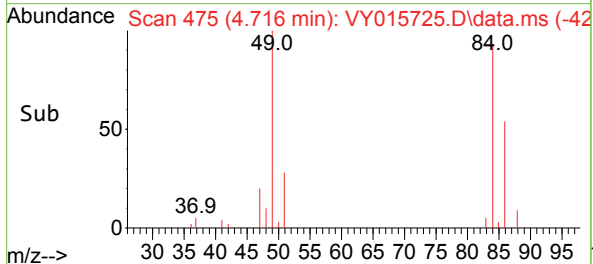
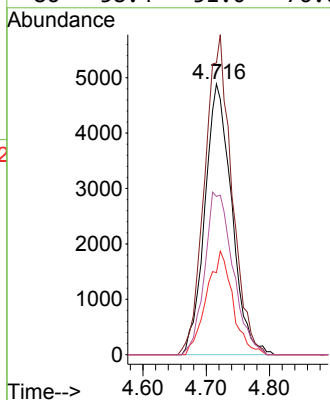


#20
Methylene Chloride
Concen: 4.152 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Instrument :
MSVOA_Y
ClientSampleId :

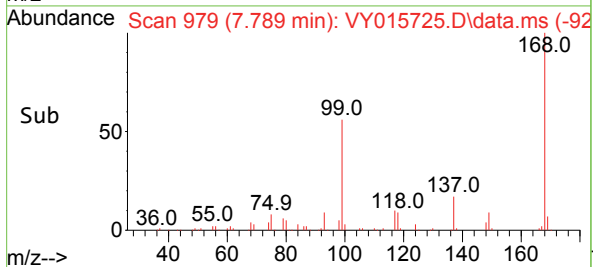
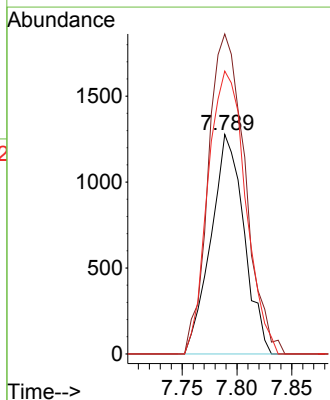
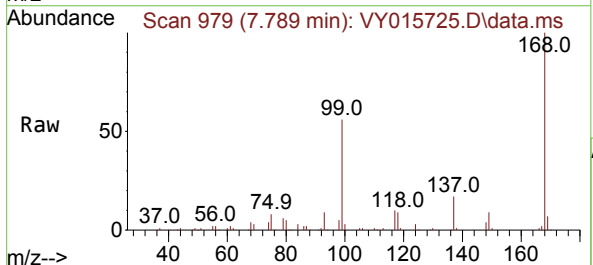


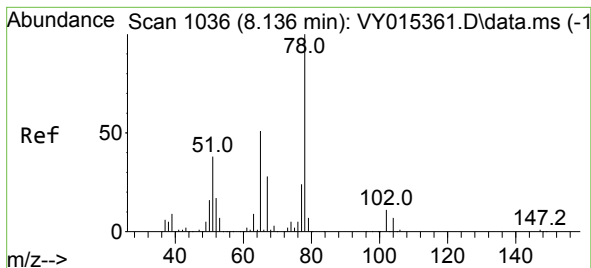
Tgt Ion:	84	Resp:	14409
Ion	Ratio	Lower	Upper
84	100		
49	107.8	106.9	160.3
51	30.3	33.2	49.8#
86	58.4	51.0	76.6



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Tgt Ion:	56	Resp:	2677
Ion	Ratio	Lower	Upper
56	100		
69	145.8	27.8	41.6#
84	128.9	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.533 ug/l

RT: 8.148 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015725.D

Acq: 27 Sep 2023 15:22

Instrument :

MSVOA_Y

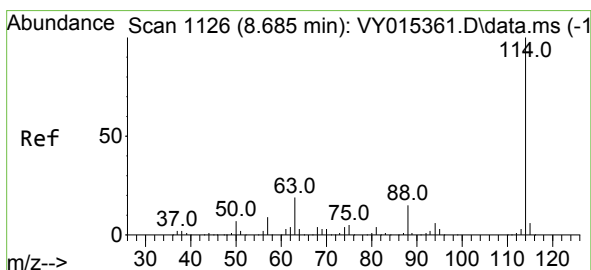
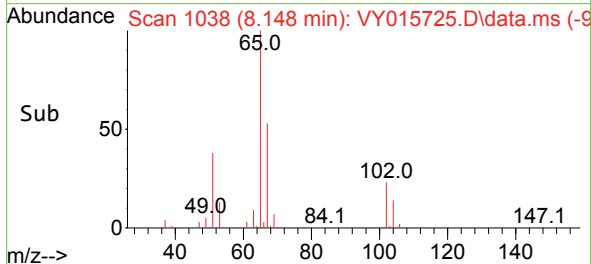
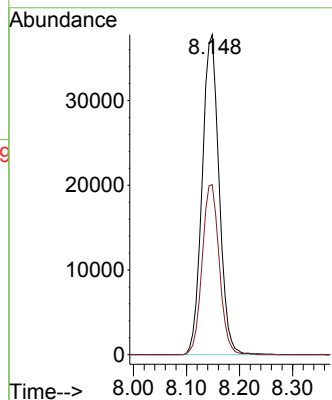
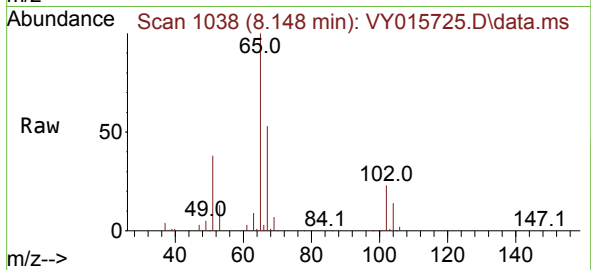
ClientSampleId :

Tgt Ion: 65 Resp: 83776

Ion Ratio Lower Upper

65 100

67 53.8 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: VY015725.D

Acq: 27 Sep 2023 15:22

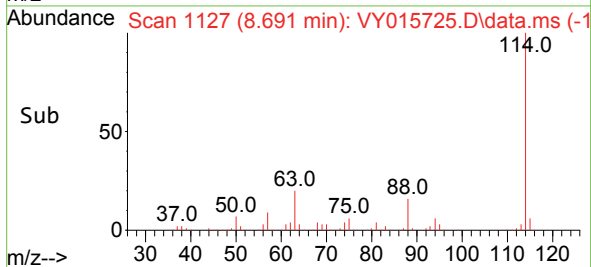
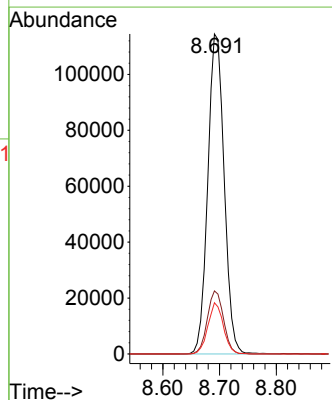
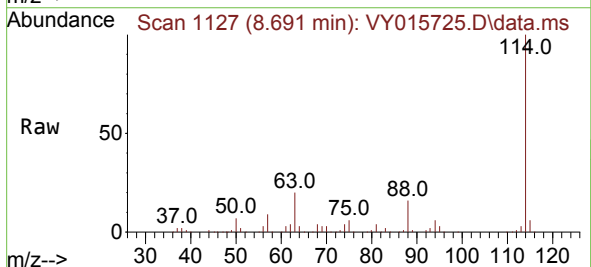
Tgt Ion: 114 Resp: 229577

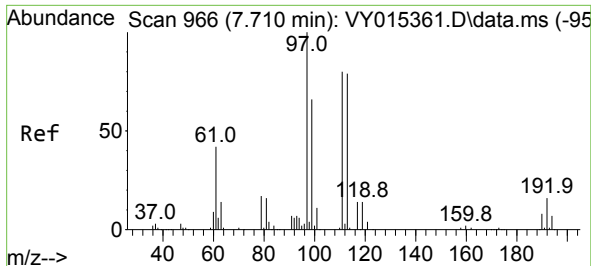
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 16.0 0.0 30.6

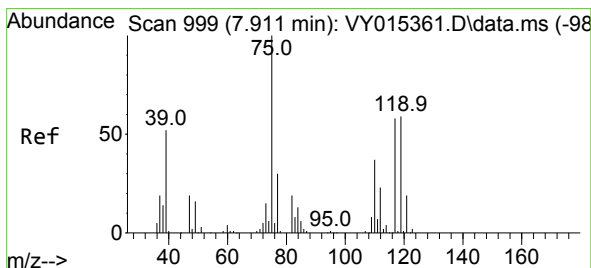
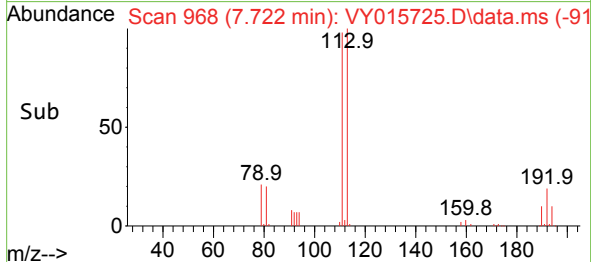
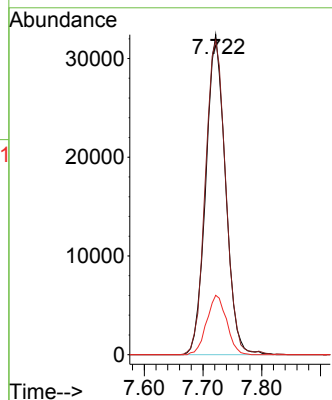
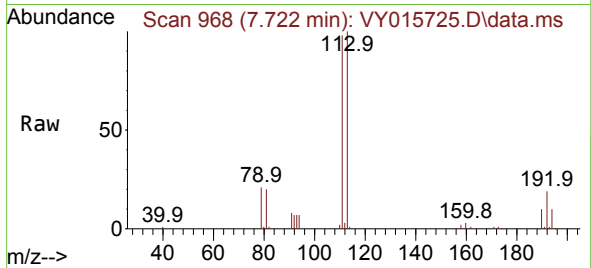




#35
Dibromofluoromethane
Concen: 54.847 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

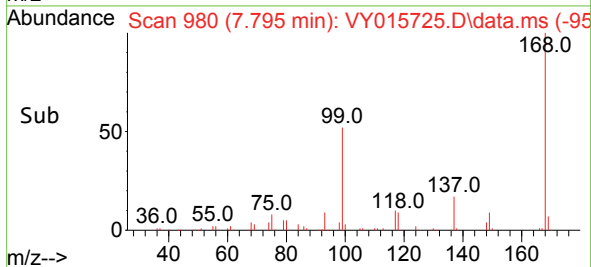
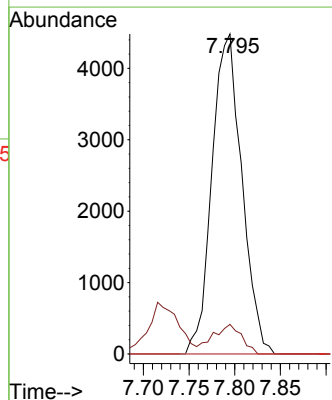
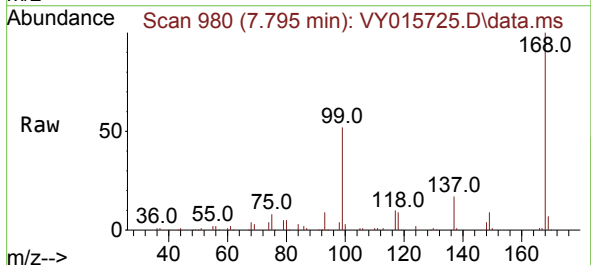
Instrument :
MSVOA_Y
ClientSampleId :

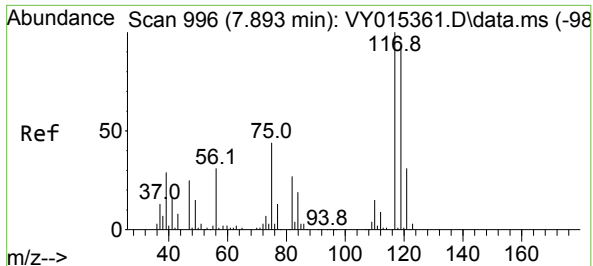
Tgt Ion:113 Resp: 75365
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.021 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

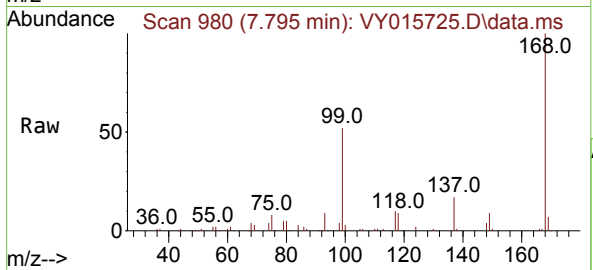
Tgt Ion: 75 Resp: 10202
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



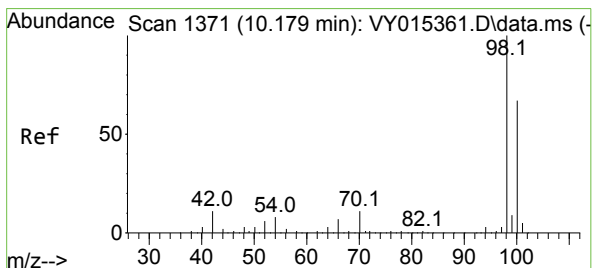
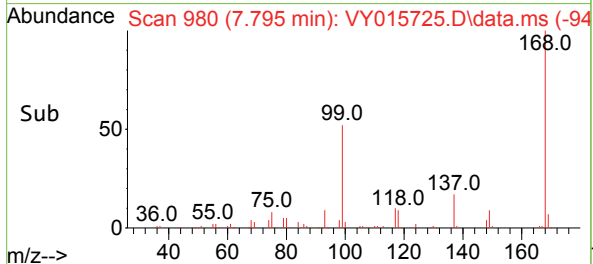
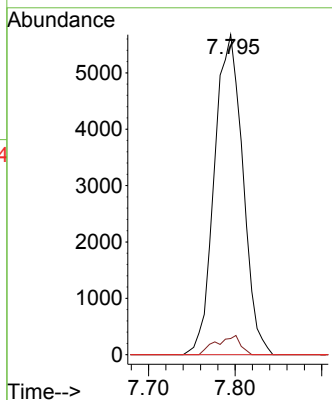


#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Instrument :
MSVOA_Y
ClientSampleId :

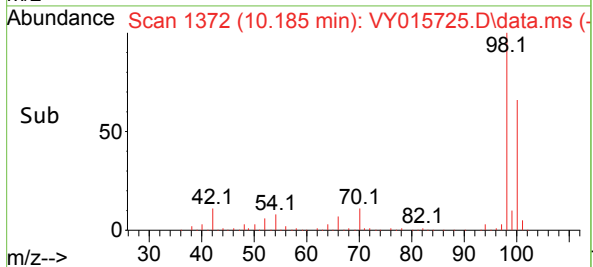
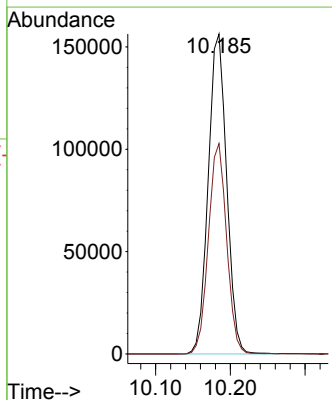
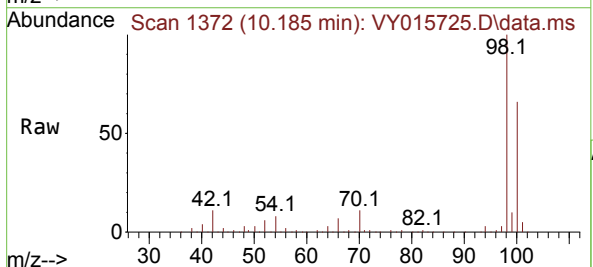


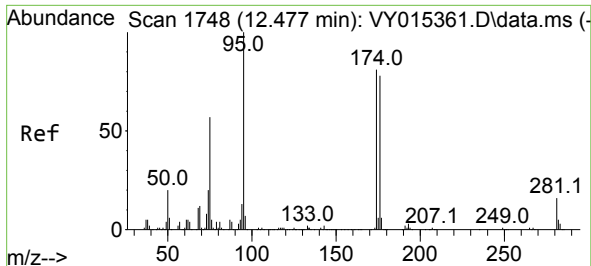
Tgt Ion:117 Resp: 12952
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.489 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Tgt Ion: 98 Resp: 267847
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

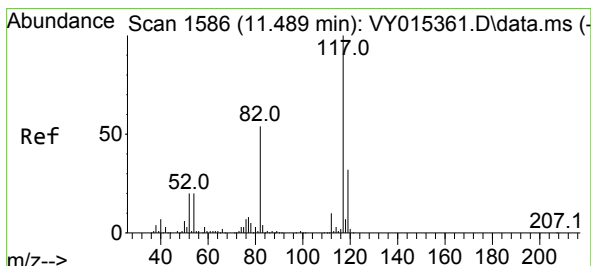
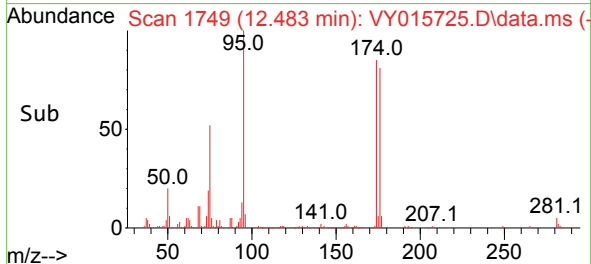
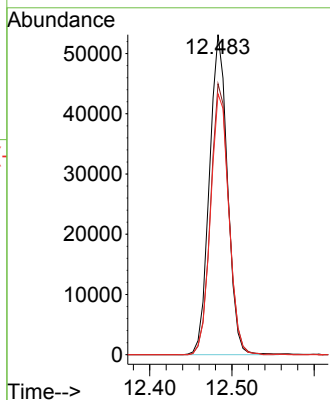
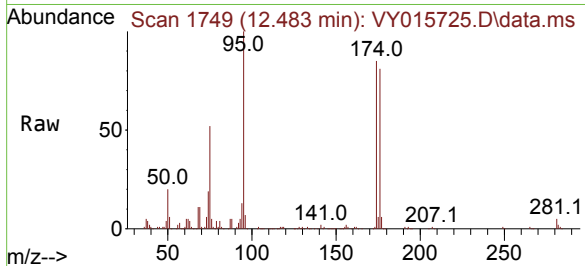




#62
4-Bromofluorobenzene
Concen: 44.438 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

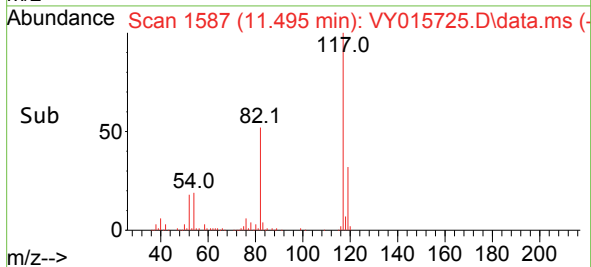
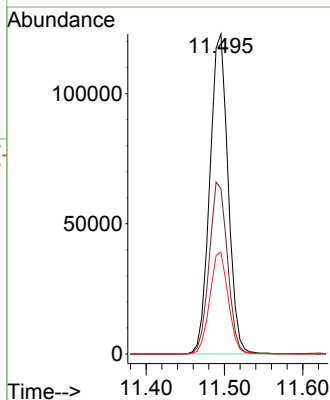
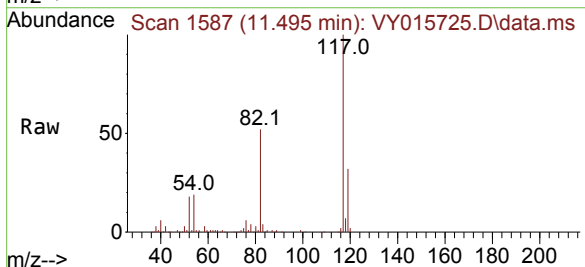
Instrument :
MSVOA_Y
ClientSampleId :

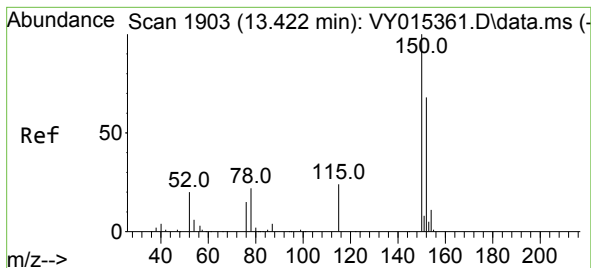
Tgt Ion: 95 Resp: 81249
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 82.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015725.D
Acq: 27 Sep 2023 15:22

Tgt Ion: 117 Resp: 198647
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.8 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: VY015725.D

Acq: 27 Sep 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

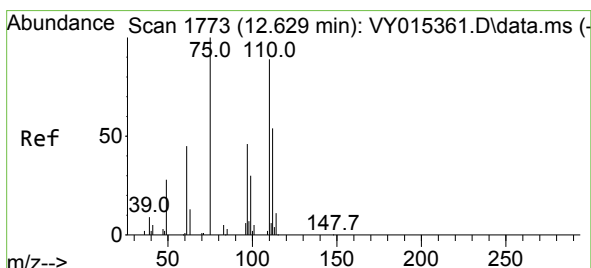
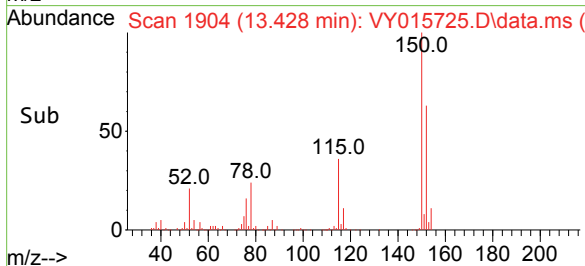
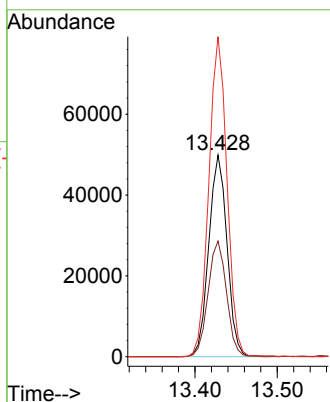
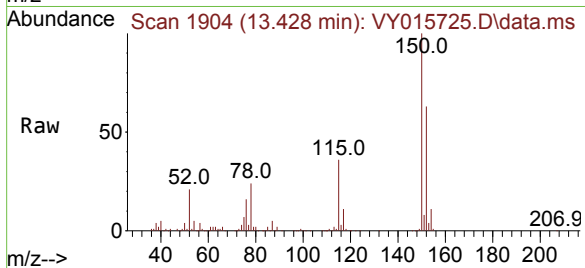
Tgt Ion:152 Resp: 77053

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.082 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015725.D

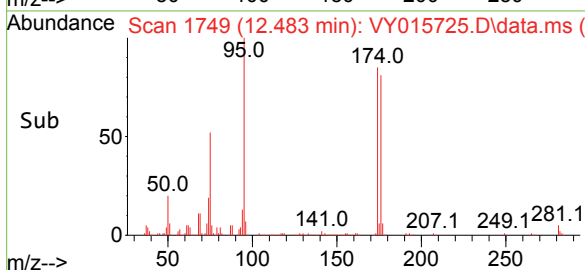
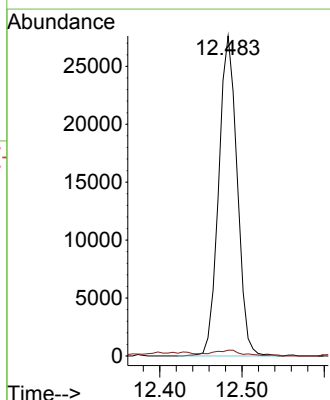
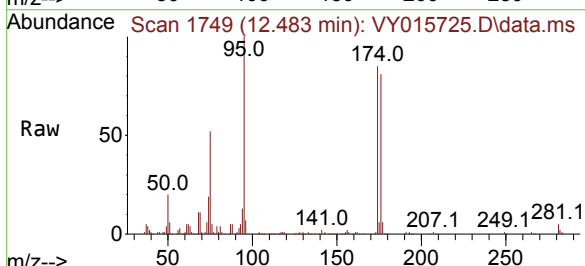
Acq: 27 Sep 2023 15:22

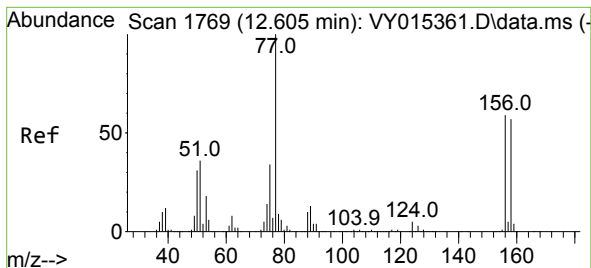
Tgt Ion: 75 Resp: 43124

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#77

Bromobenzene

Concen: 2.646 ug/l

RT: 12.385 min Scan# 1

Delta R.T. -0.220 min

Lab File: VY015725.D

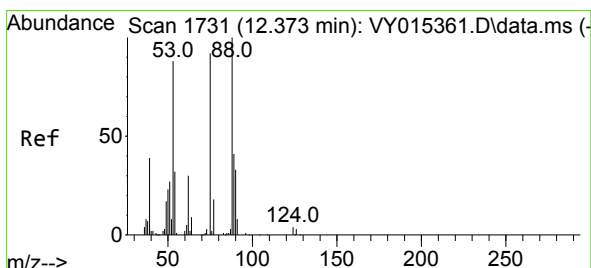
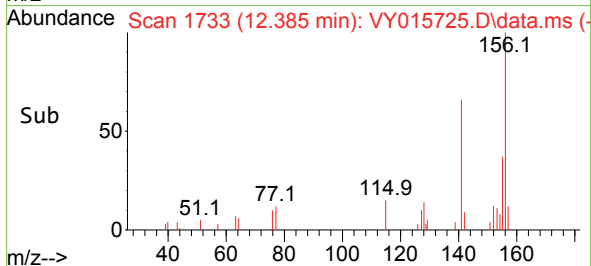
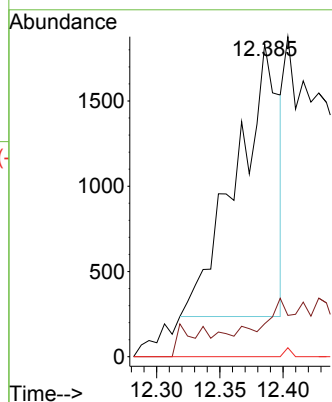
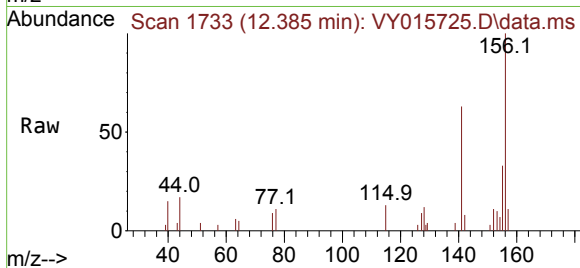
Acq: 27 Sep 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156	Resp:	3754
Ion Ratio	Lower	Upper
156	100	
77	7.7	92.8 278.6#
158	0.5	48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.000 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015725.D

Acq: 27 Sep 2023 15:22

Tgt Ion: 75	Resp:	43124
Ion Ratio	Lower	Upper
75	100	
53	0.0	77.8 116.8#
89	0.1	37.4 56.0#

