

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015825.D
 Acq On : 04 Oct 2023 14:14
 Operator : SY/MD
 Sample : 04702-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:54:02 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)

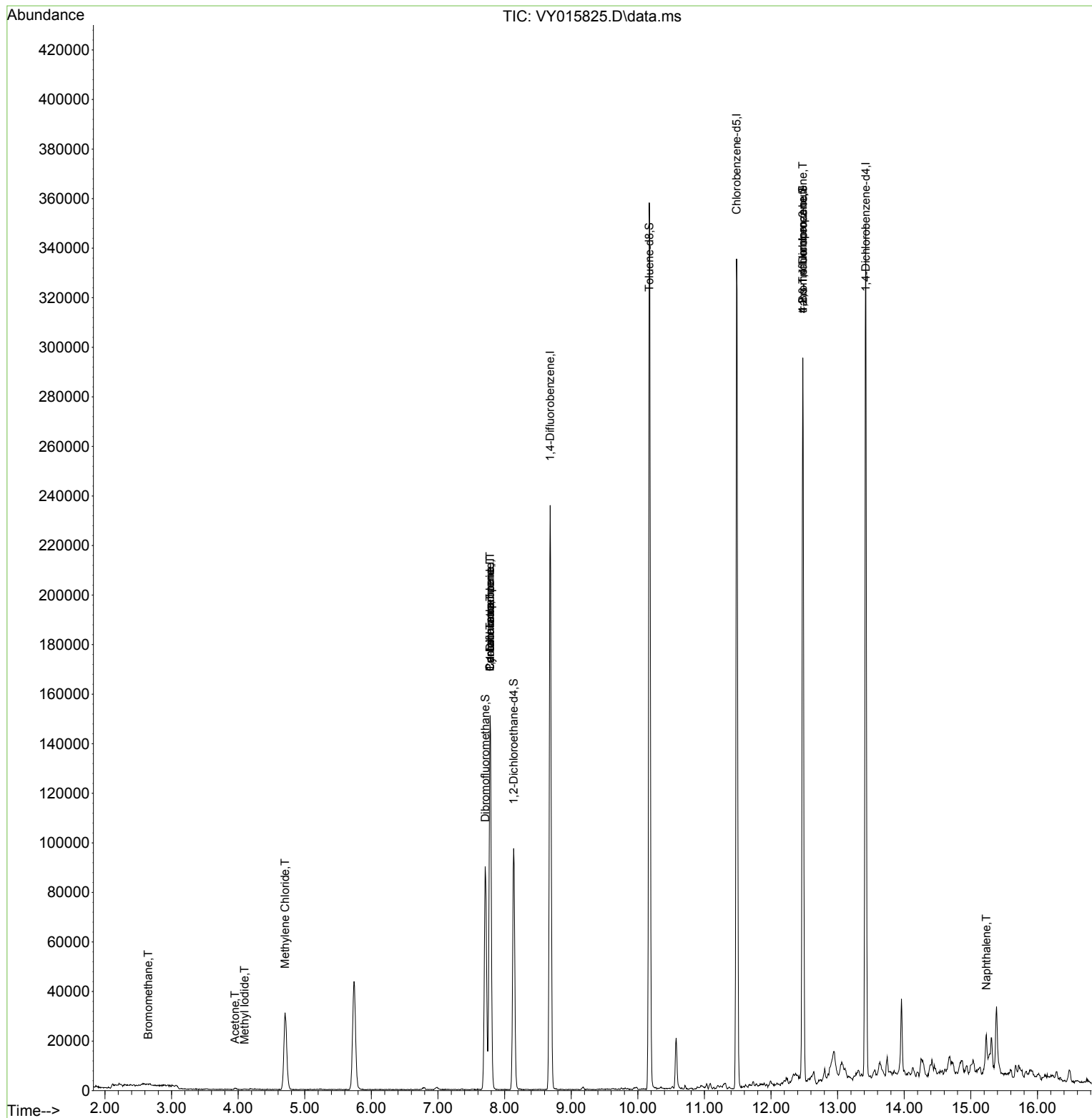
Internal Standards						
1) Pentafluorobenzene	7.783	168	118107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	200118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	183494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77169	59.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.760%	
35) Dibromofluoromethane	7.710	113	64744	54.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.100%	
50) Toluene-d8	10.173	98	236818	58.312	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.620%	
62) 4-Bromofluorobenzene	12.477	95	81465	51.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	364	2.867	ug/l #	62
10) Methyl Iodide	4.095	142	247	2.897	ug/l #	48
11) Tert butyl alcohol	4.972	59	45	Below Cal	#	89
16) Acetone	3.954	43	1005	1.445	ug/l #	83
20) Methylene Chloride	4.704	84	23425	11.670	ug/l	92
31) Cyclohexane	7.783	56	2690	1.494	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8927	5.041	ug/l #	50
38) Carbon Tetrachloride	7.783	117	11523	5.994	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44236	32.136	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44236	72.367	ug/l #	11
95) Naphthalene	15.233	128	12260	2.567	ug/l #	96

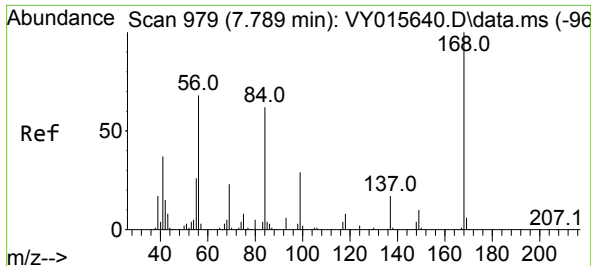
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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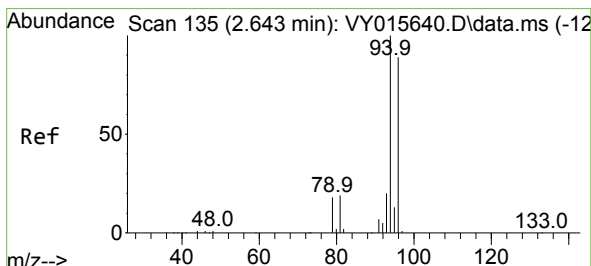
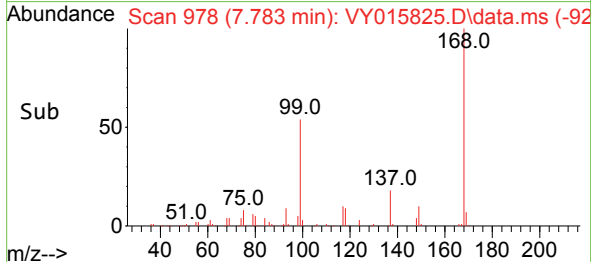
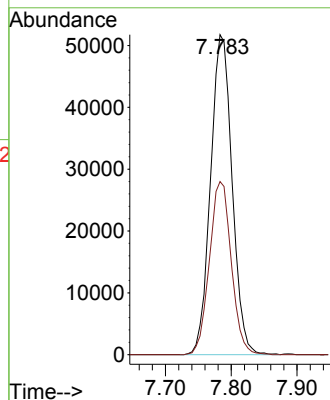
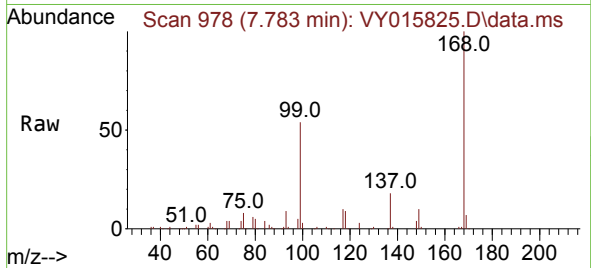




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

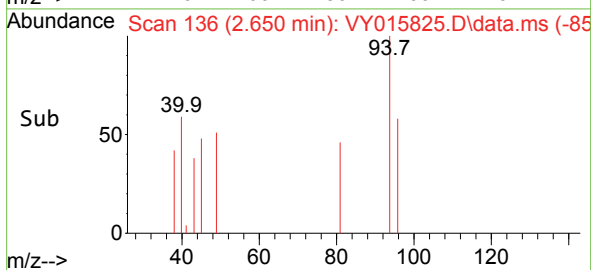
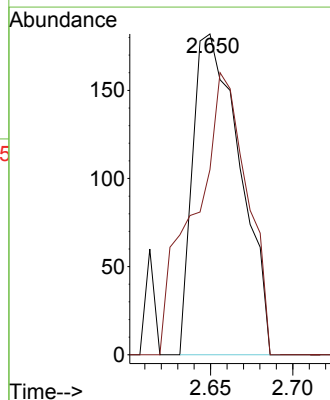
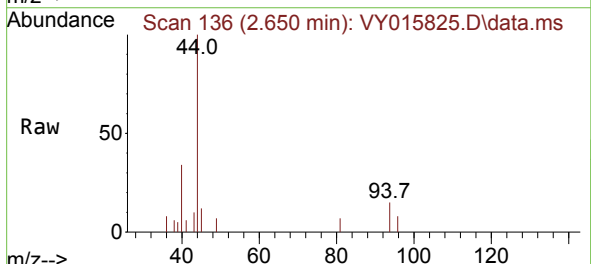
Instrument :
MSVOA_Y
ClientSampleId :

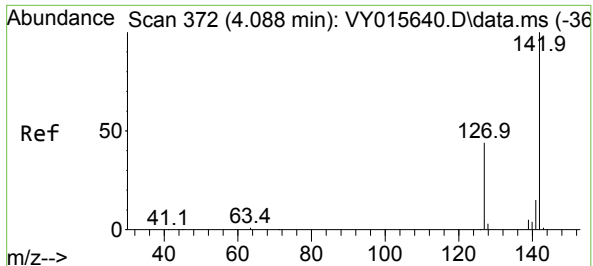
Tgt Ion:168 Resp: 118107
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#5
Bromomethane
Concen: 2.867 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Tgt Ion: 94 Resp: 364
Ion Ratio Lower Upper
94 100
96 57.7 75.8 113.6#





#10

Methyl Iodide

Concen: 2.897 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.013 min

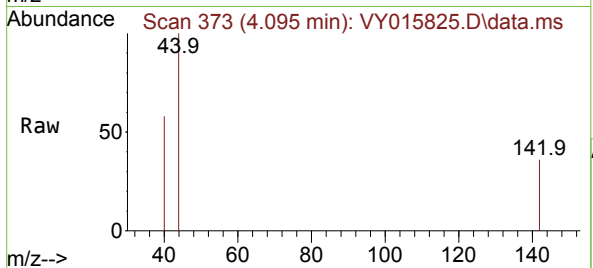
Lab File: VY015825.D

Acq: 04 Oct 2023 14:14

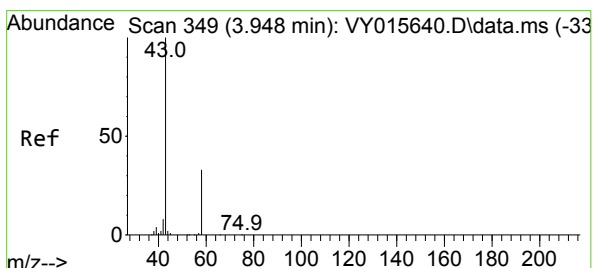
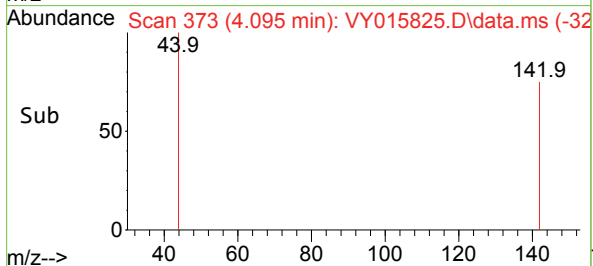
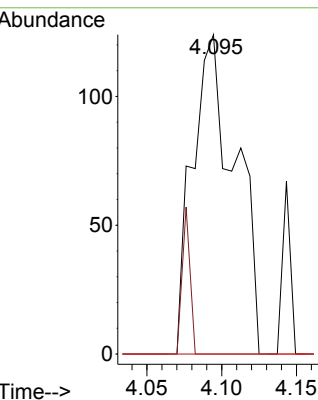
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	247
Ion	Ratio	Lower	Upper
142	100		
127	8.5	37.6	56.4#
141	0.0	11.8	17.8#



#16

Acetone

Concen: 1.445 ug/l

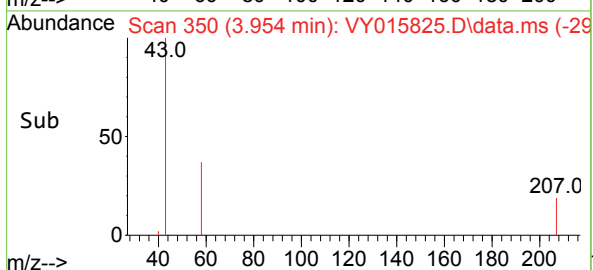
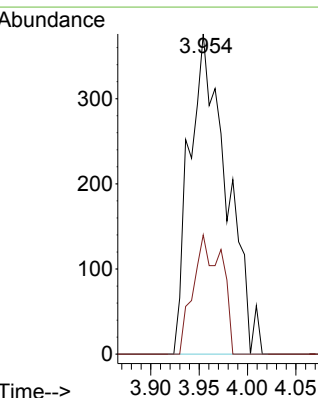
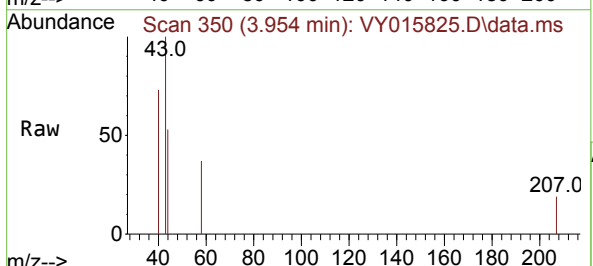
RT: 3.954 min Scan# 350

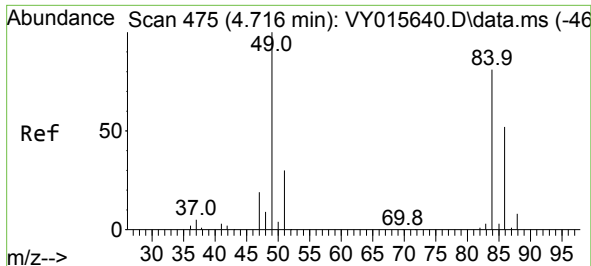
Delta R.T. 0.012 min

Lab File: VY015825.D

Acq: 04 Oct 2023 14:14

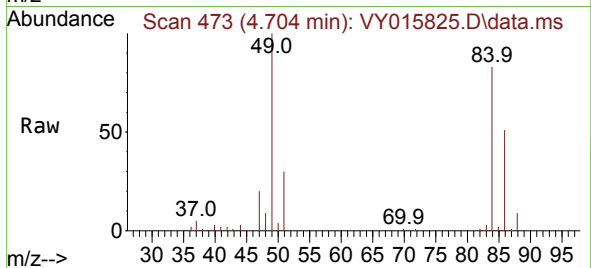
Tgt Ion:	43	Resp:	1005
Ion	Ratio	Lower	Upper
43	100		
58	37.2	22.7	34.1#



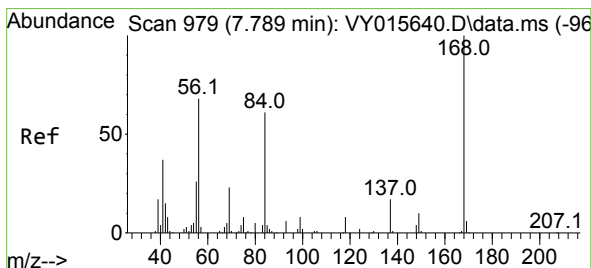
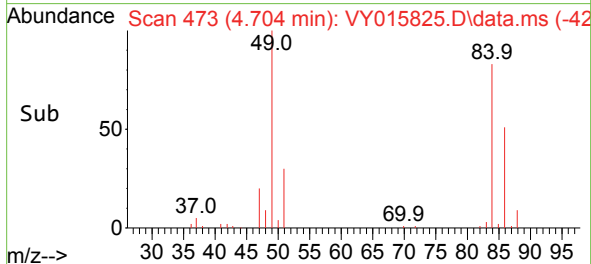
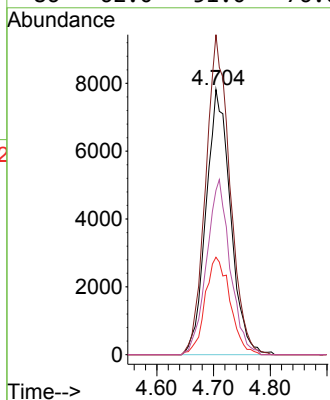


#20
Methylene Chloride
Concen: 11.670 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Instrument :
MSVOA_Y
ClientSampleId :

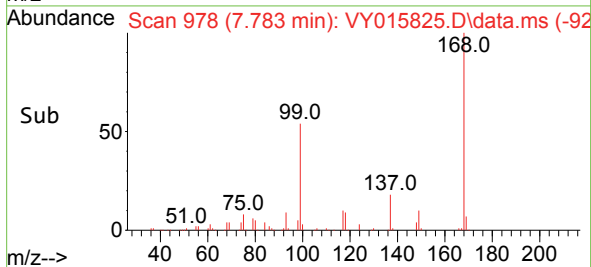
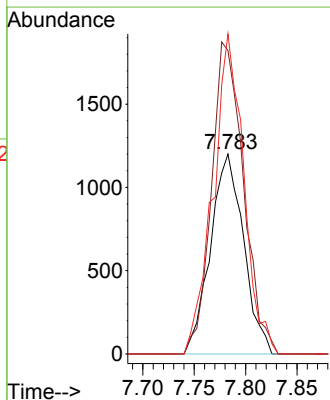
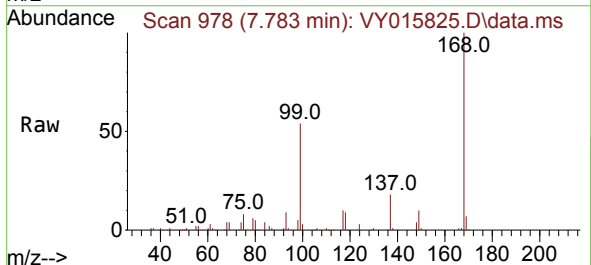


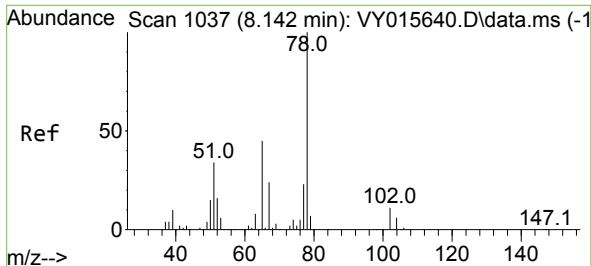
Tgt Ion:	84	Resp:	23425
Ion	Ratio	Lower	Upper
84	100		
49	120.7	106.9	160.3
51	36.7	33.2	49.8
86	62.0	51.0	76.6



#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Tgt Ion:	56	Resp:	2690
Ion	Ratio	Lower	Upper
56	100		
69	151.8	27.8	41.6#
84	160.2	66.4	99.6#

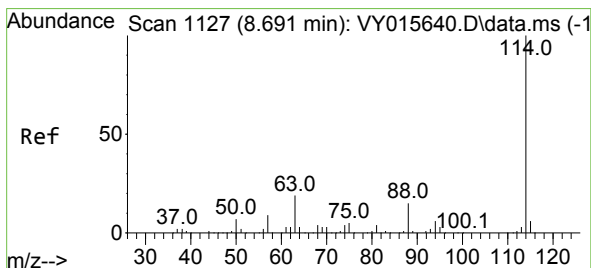
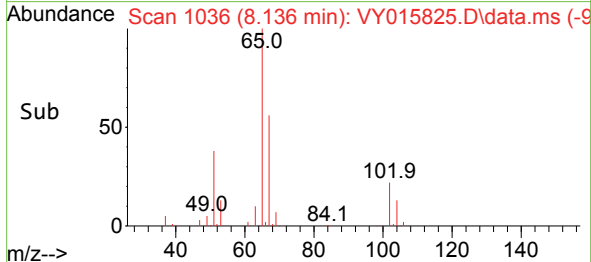
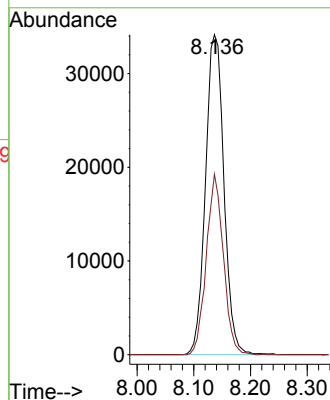
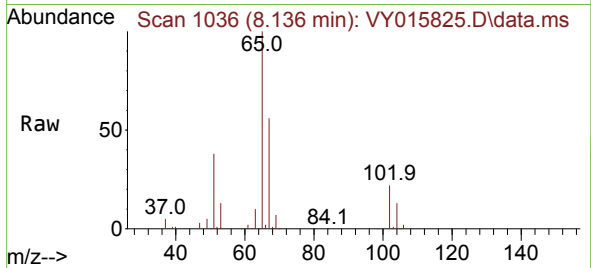




#33
1,2-Dichloroethane-d4
Concen: 59.383 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

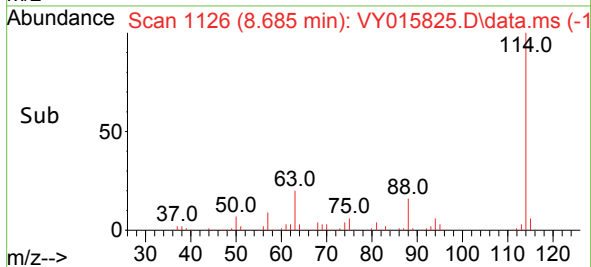
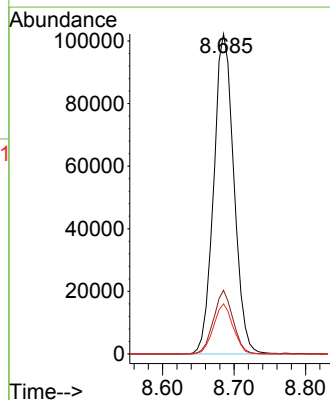
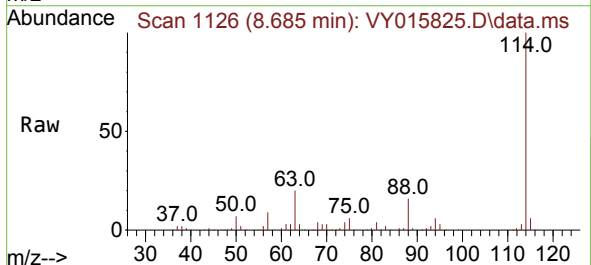
Instrument :
MSVOA_Y
ClientSampleId :

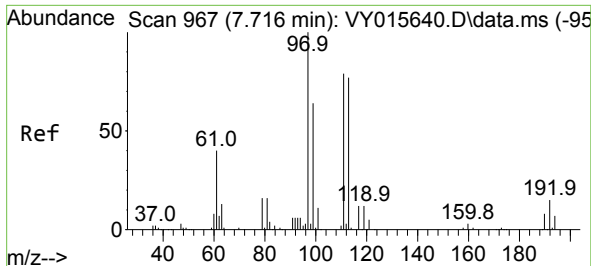
Tgt Ion: 65 Resp: 77169
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Tgt Ion:114 Resp: 200118
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.4
88 15.7 0.0 30.6

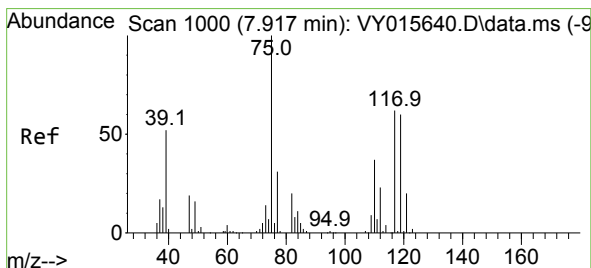
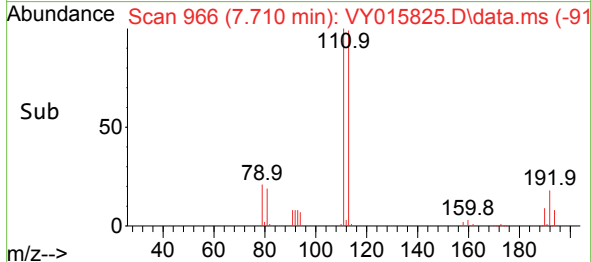
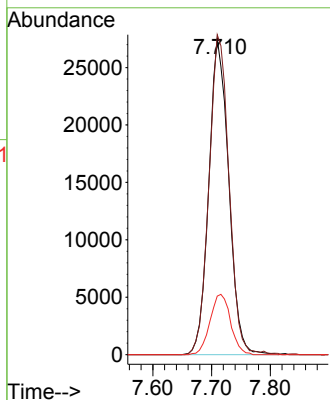
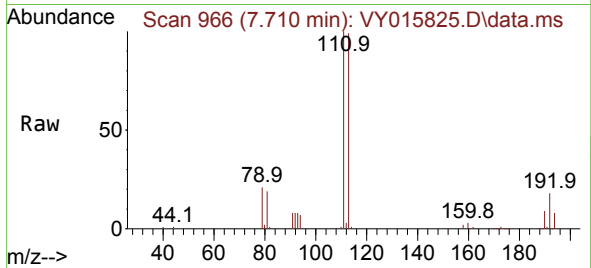




#35
Dibromofluoromethane
Concen: 54.054 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

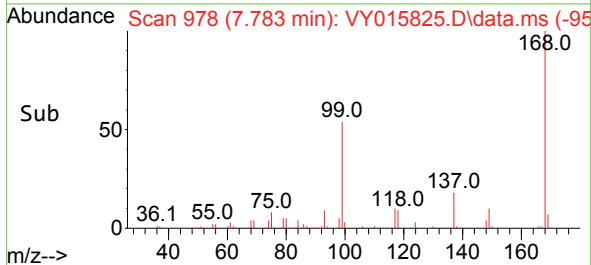
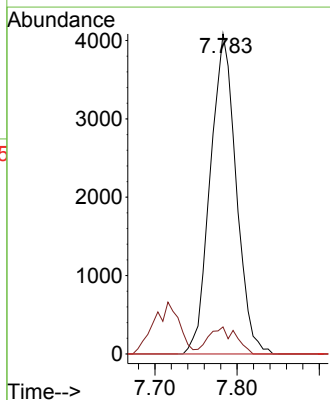
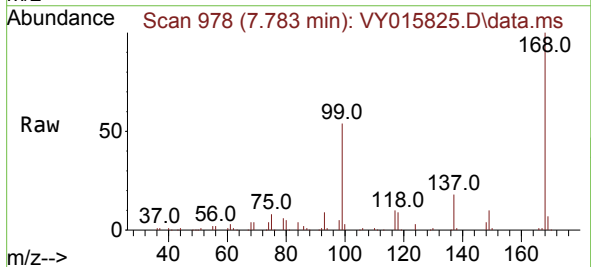
Instrument :
MSVOA_Y
ClientSampleId :

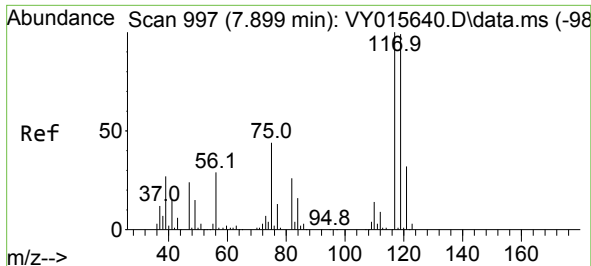
Tgt Ion:113 Resp: 64744
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.041 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

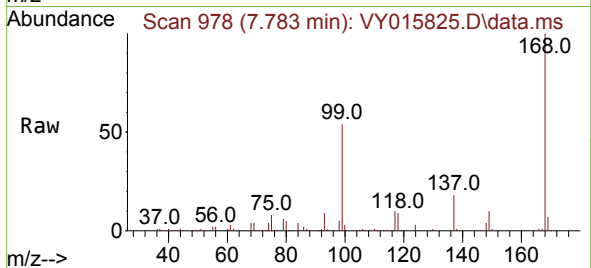
Tgt Ion: 75 Resp: 8927
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



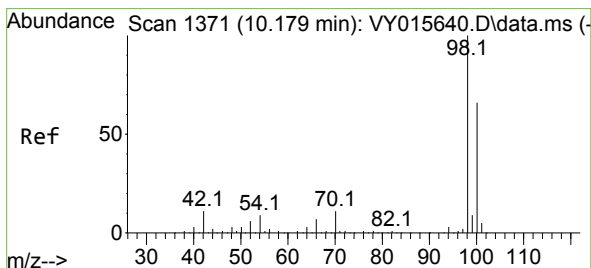
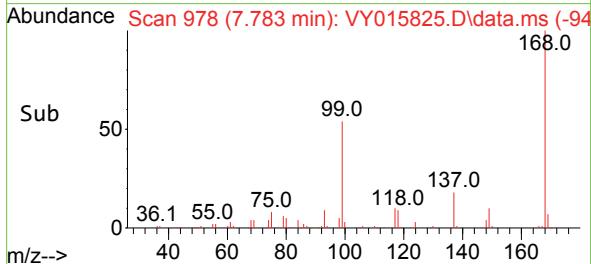
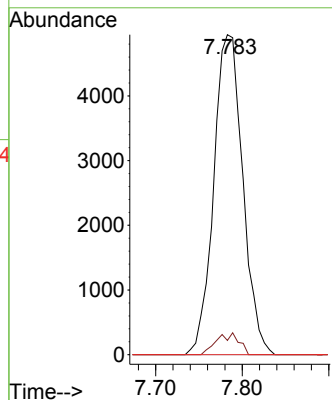


#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Instrument :
MSVOA_Y
ClientSampleId :

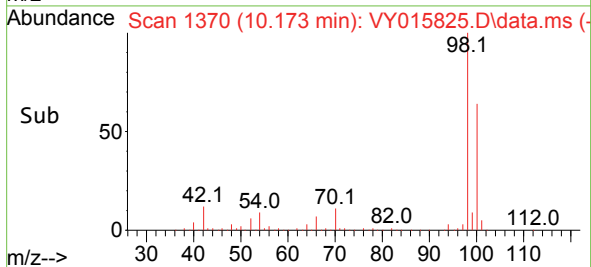
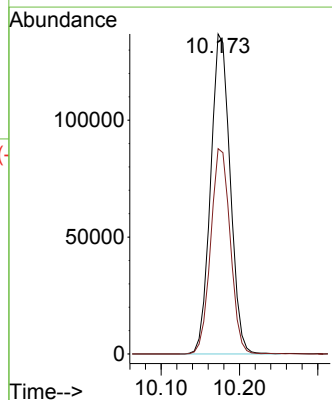
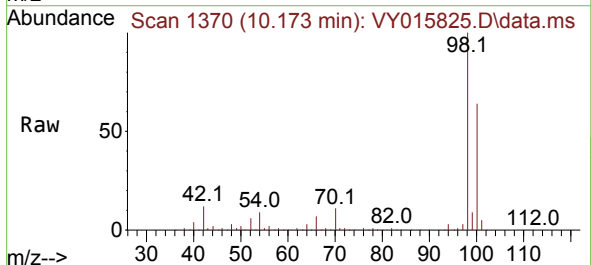


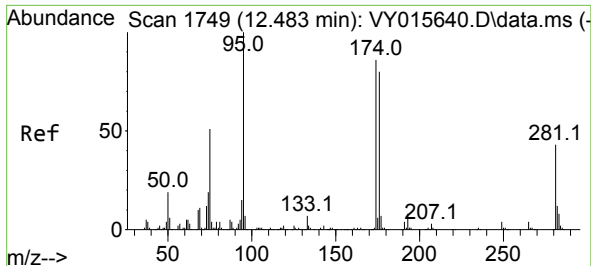
Tgt Ion:117 Resp: 11523
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.312 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Tgt Ion: 98 Resp: 236818
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

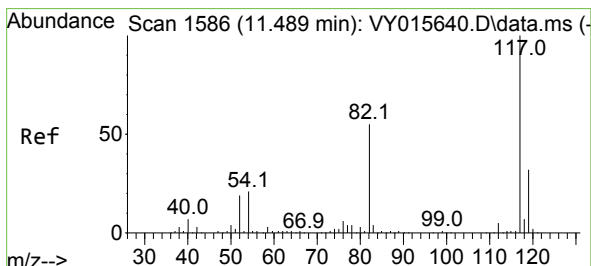
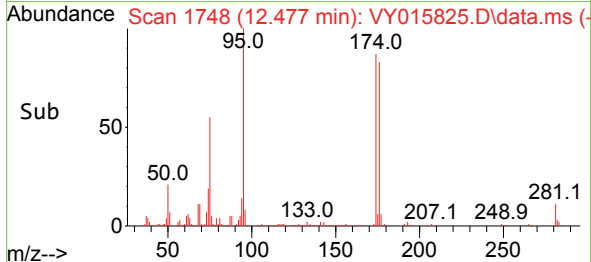
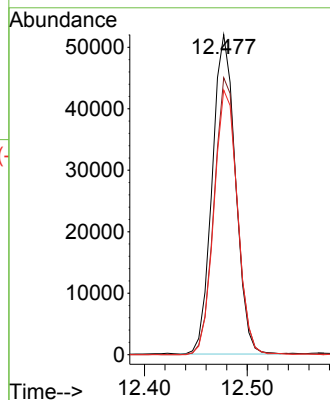
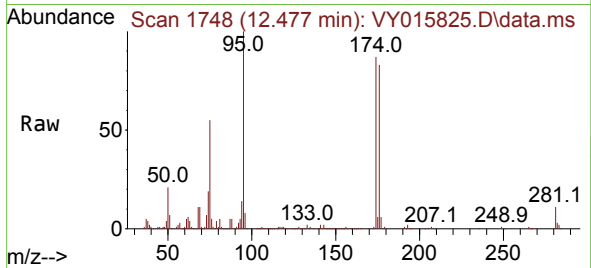




#62
4-Bromofluorobenzene
Concen: 51.115 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

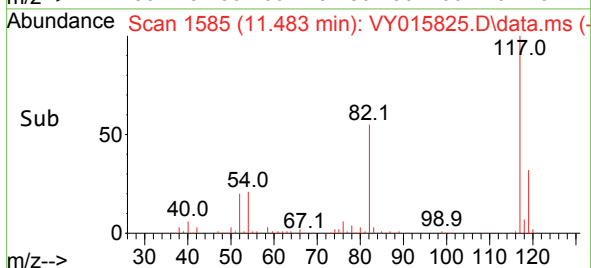
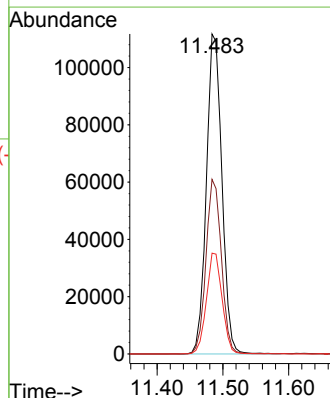
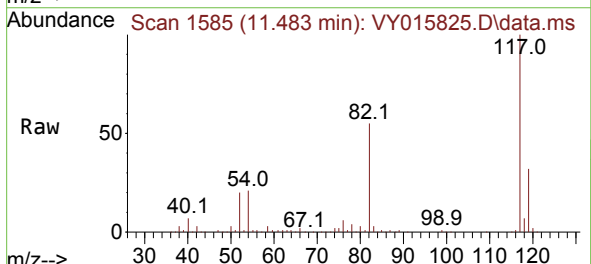
Instrument :
MSVOA_Y
ClientSampleId :

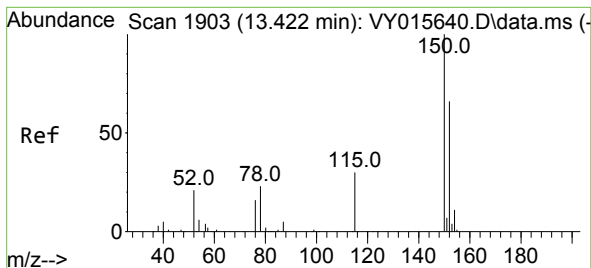
Tgt Ion: 95 Resp: 81465
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.2
176 84.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

Tgt Ion: 117 Resp: 183494
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 31.5 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

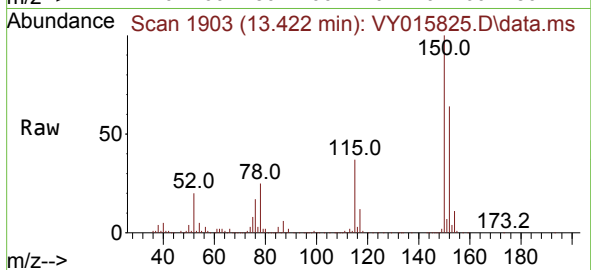
Lab File: VY015825.D

Acq: 04 Oct 2023 14:14

Instrument :

MSVOA_Y

ClientSampleId :



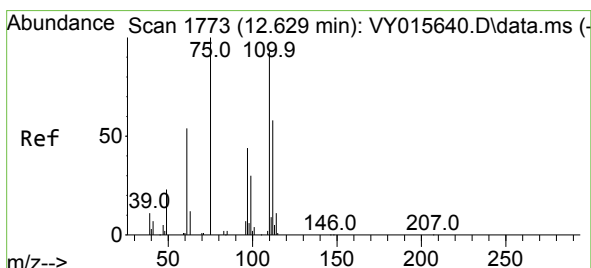
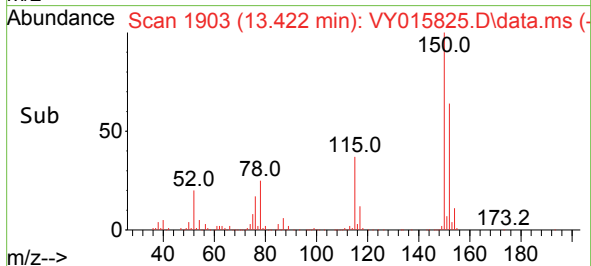
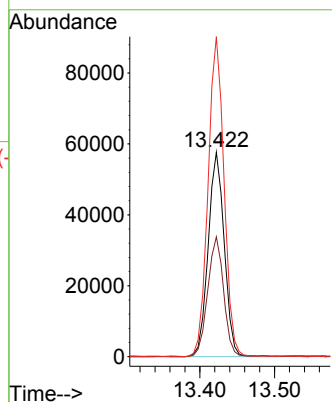
Tgt Ion:152 Resp: 86285

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 155.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.136 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015825.D

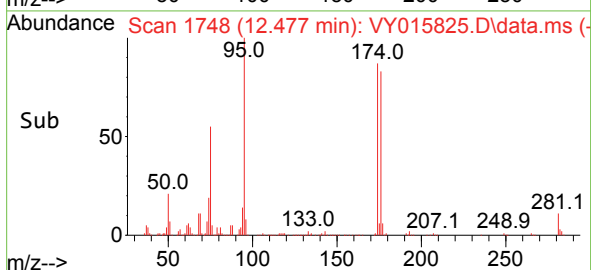
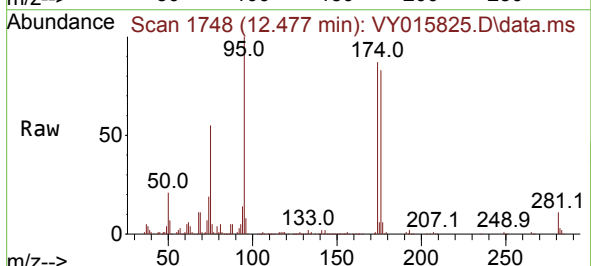
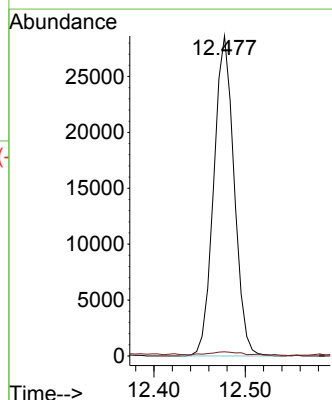
Acq: 04 Oct 2023 14:14

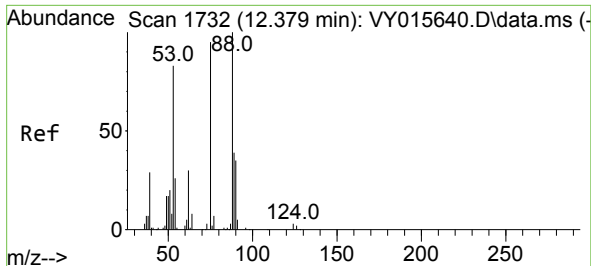
Tgt Ion: 75 Resp: 44236

Ion Ratio Lower Upper

75 100

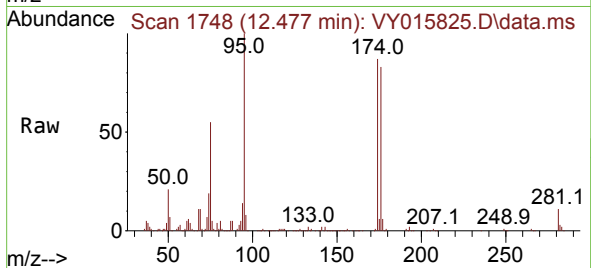
77 1.7 0.0 0.0#



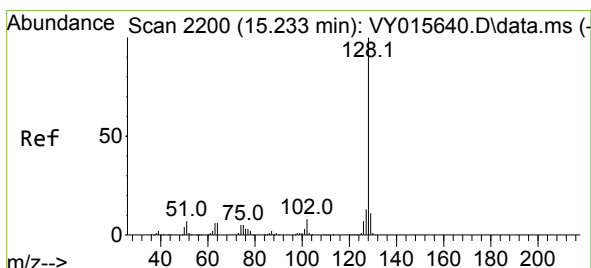
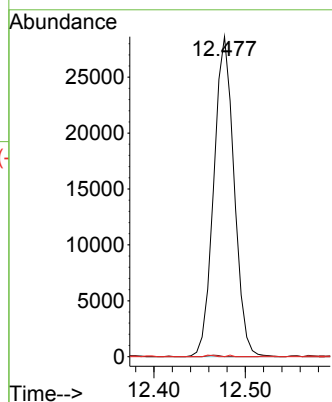
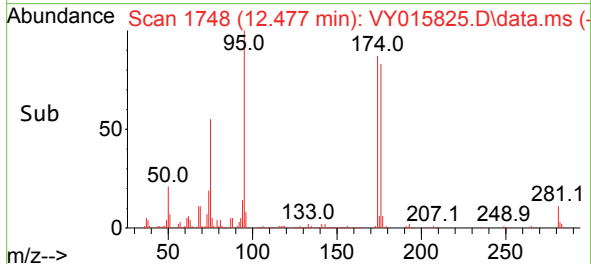


#81
trans-1,4-Dichloro-2-butene
Concen: 72.367 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14

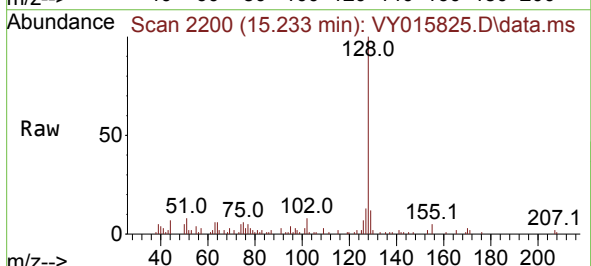
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 44236
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 2.567 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015825.D
Acq: 04 Oct 2023 14:14



Tgt Ion: 128 Resp: 12260
Ion Ratio Lower Upper
128 100
127 14.7 10.8 16.2
129 13.0 8.6 13.0#

