

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010524\
 Data File : VY016924.D
 Acq On : 05 Jan 2024 16:34
 Operator : SY/MD
 Sample : P1050-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 05 22:36:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

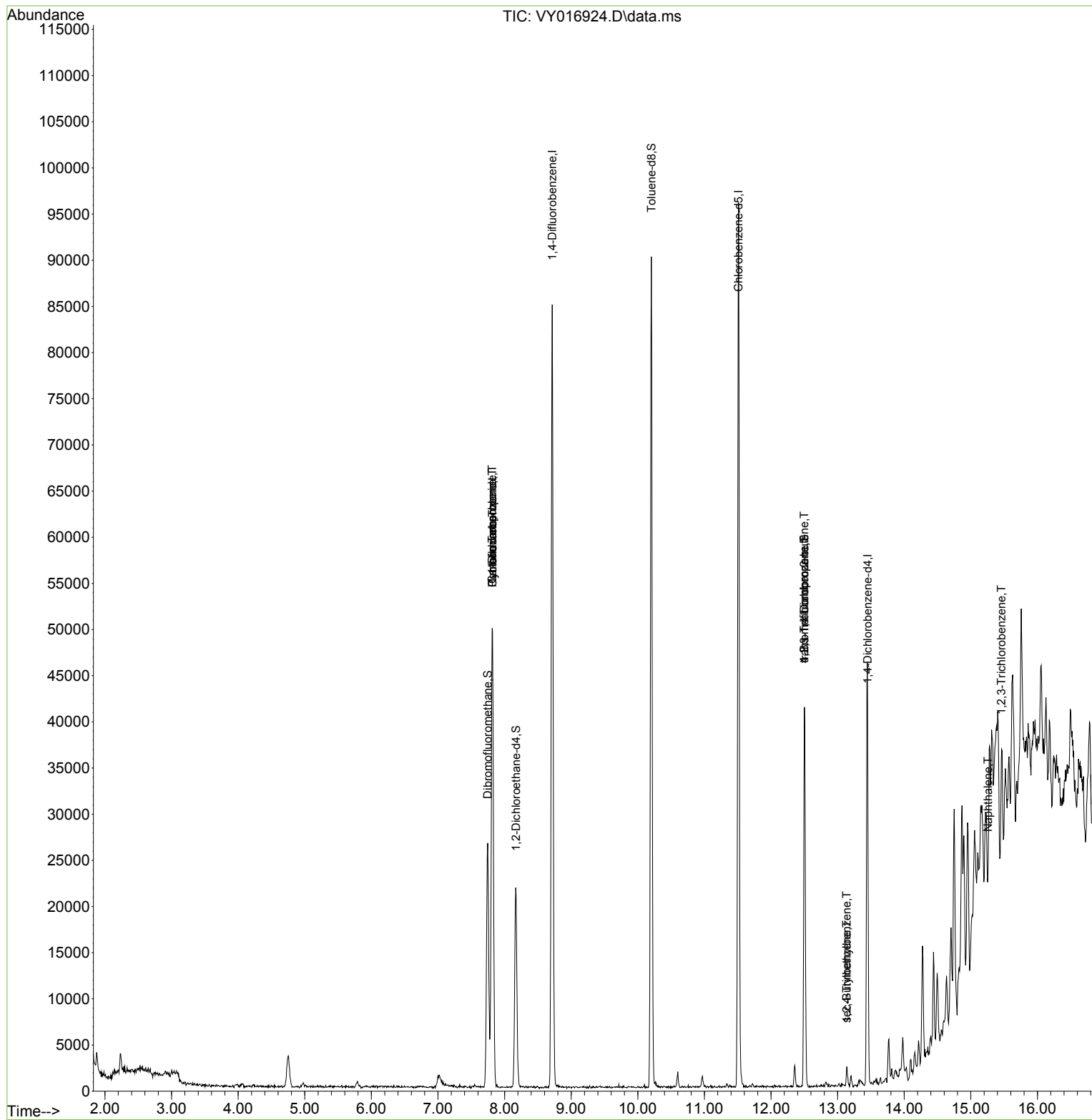
Internal Standards						
1) Pentafluorobenzene	7.819	168	37929	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	72235	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	53712	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.452	152	11817	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	17321	46.205	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.400%
35) Dibromofluoromethane	7.746	113	19643	42.674	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.340%
50) Toluene-d8	10.203	98	59495	37.534	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.060%
62) 4-Bromofluorobenzene	12.501	95	12514	23.400	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	564	Below Cal	#	75
16) Acetone	3.972	43	536	Below Cal	#	41
20) Methylene Chloride	4.753	84	2627	Below Cal	#	83
31) Cyclohexane	7.819	56	990	1.539	ug/l #	2
36) 1,1-Dichloropropene	7.813	75	3173	4.730	ug/l #	47
38) Carbon Tetrachloride	7.813	117	4081	5.988	ug/l #	17
76) 1,2,3-Trichloropropane	12.501	75	6875	53.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	6875	121.740	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.135	105	1286	1.711	ug/l	87
85) sec-Butylbenzene	13.135	105	1286	1.291	ug/l #	57
95) Naphthalene	15.257	128	609	2.593	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.458	180	1216	8.009	ug/l #	25

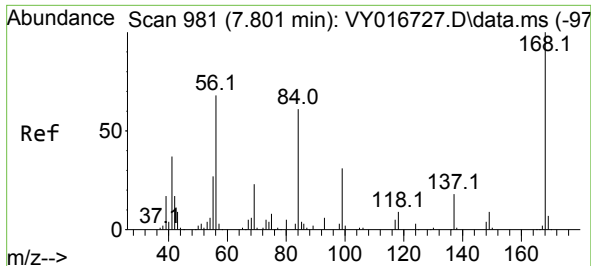
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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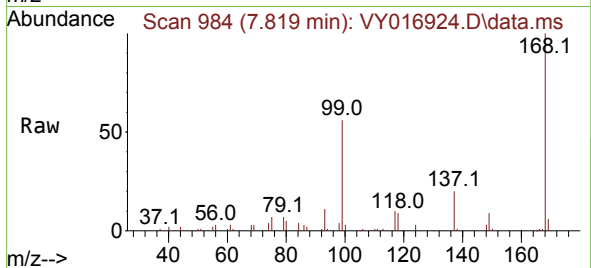
Quant Time: Jan 05 22:36:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration



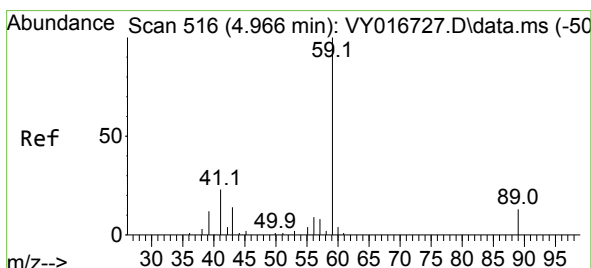
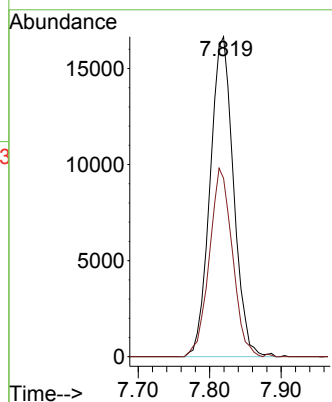
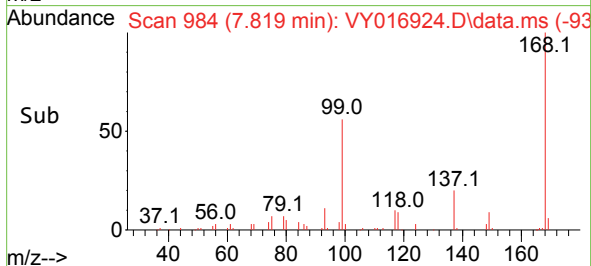


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

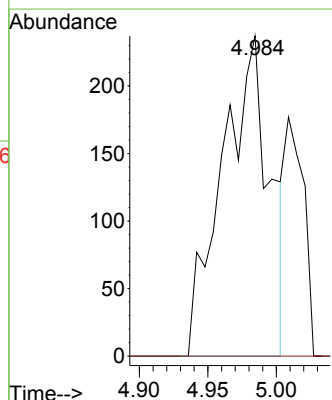
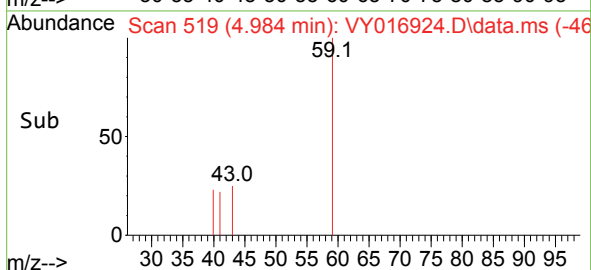
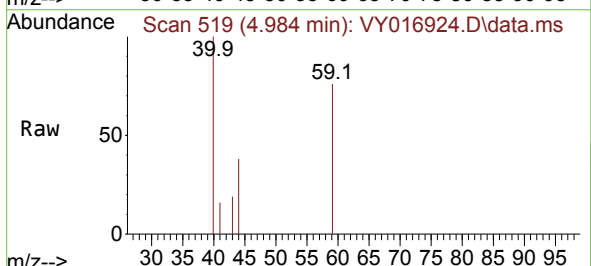


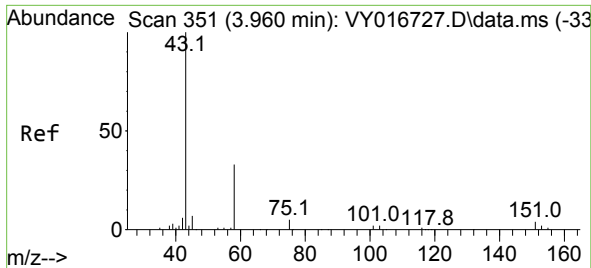
Tgt Ion:168 Resp: 37929
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

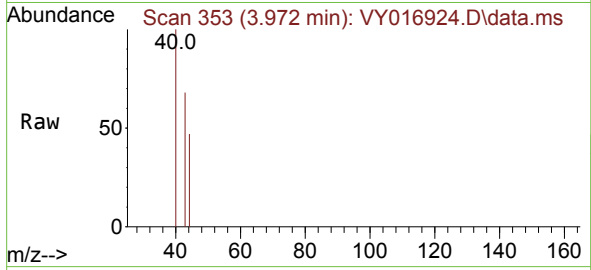
Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



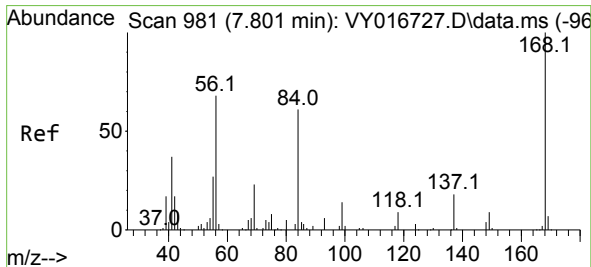
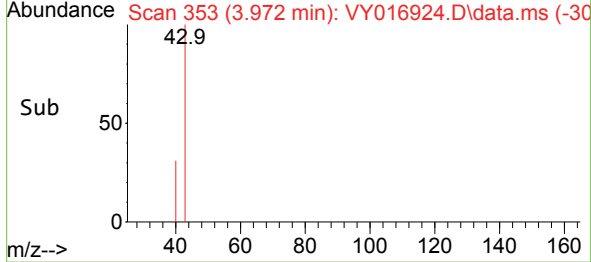
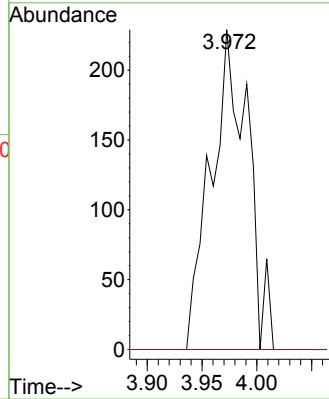


#16
Acetone
Concen: Below Cal
RT: 3.972 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

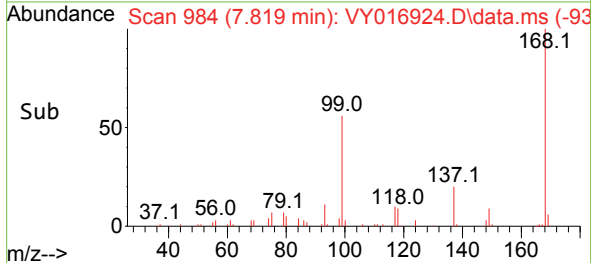
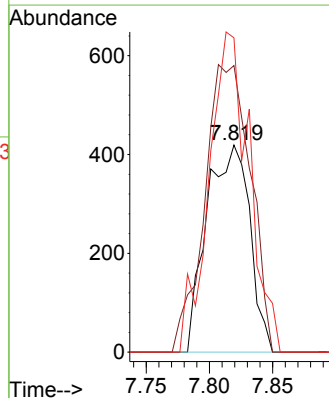
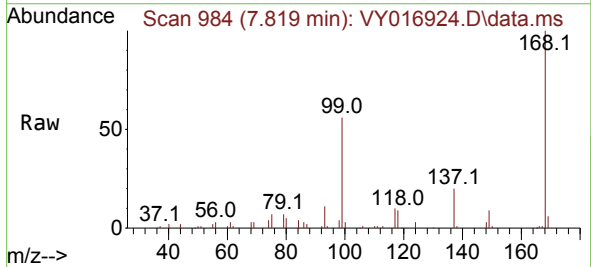


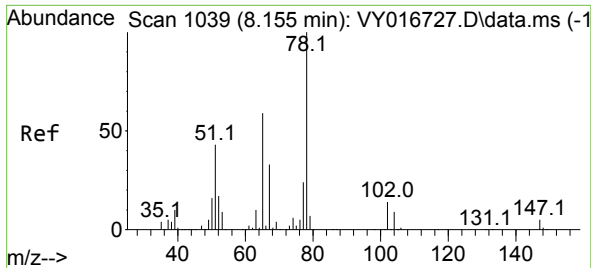
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.539 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Tgt Ion: 56 Resp: 990
Ion Ratio Lower Upper
56 100
69 138.4 27.0 40.6#
84 151.8 71.8 107.6#

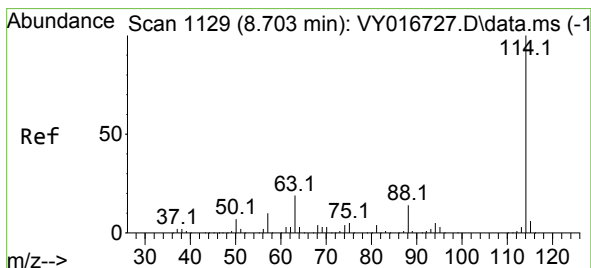
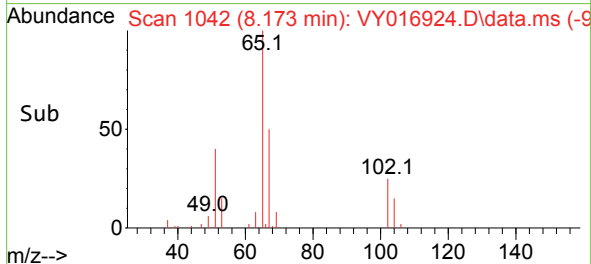
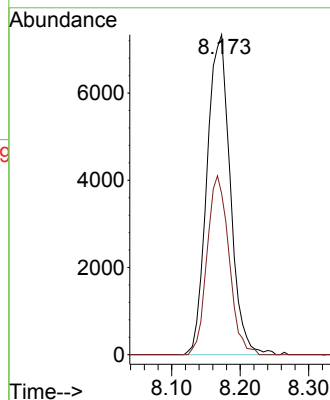
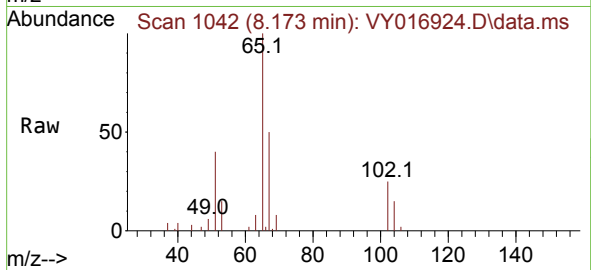




#33
 1,2-Dichloroethane-d4
 Concen: 46.205 ug/l
 RT: 8.173 min Scan# 1103
 Delta R.T. 0.018 min
 Lab File: VY016924.D
 Acq: 05 Jan 2024 16:34

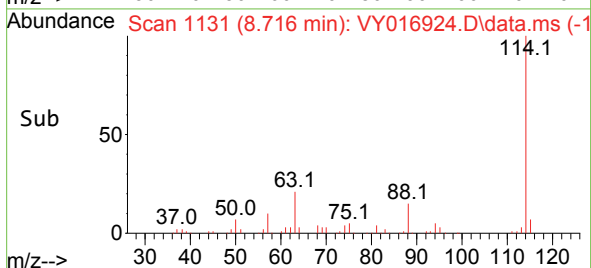
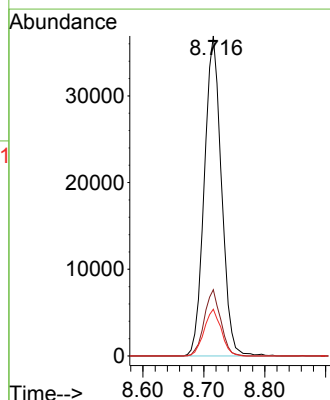
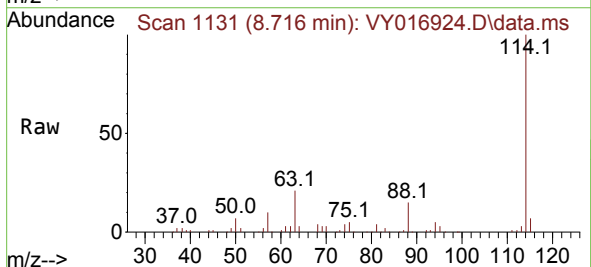
Instrument :
 MSVOA_Y
 ClientSampleId :

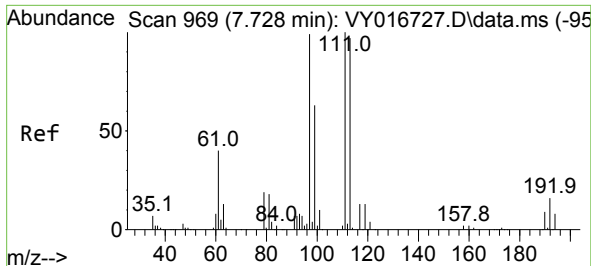
Tgt Ion: 65 Resp: 17321
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY016924.D
 Acq: 05 Jan 2024 16:34

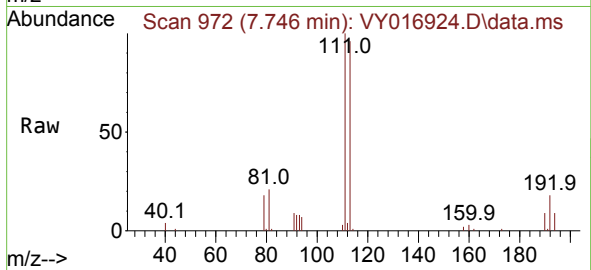
Tgt Ion: 114 Resp: 72235
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.4
 88 14.6 0.0 29.0



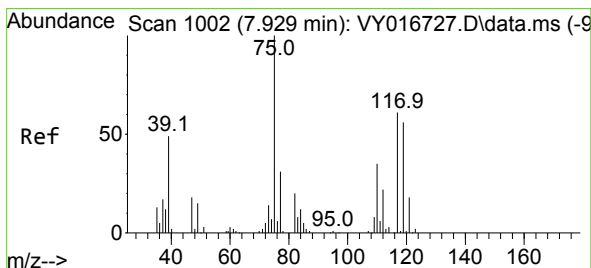
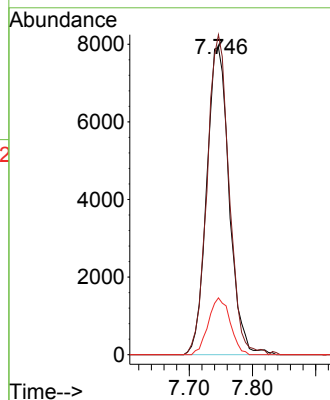
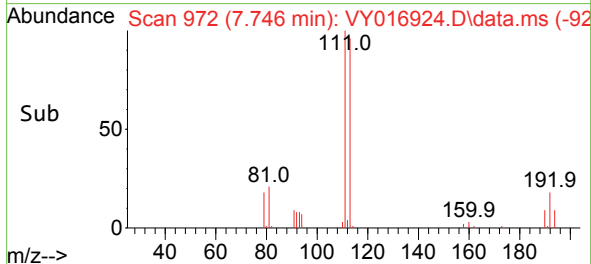


#35
Dibromofluoromethane
Concen: 42.674 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

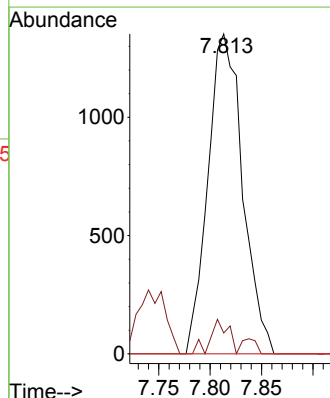
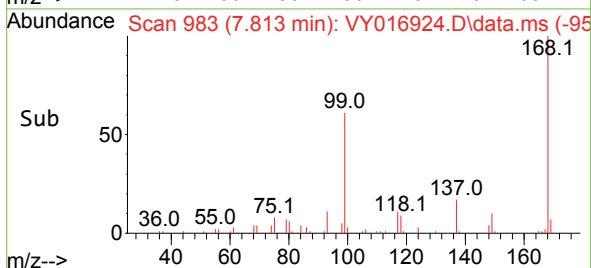
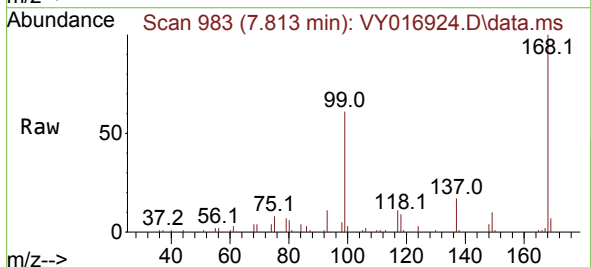


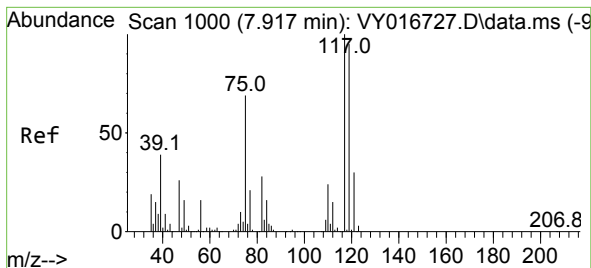
Tgt Ion:113 Resp: 19643
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.6
192 17.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Tgt Ion: 75 Resp: 3173
Ion Ratio Lower Upper
75 100
110 5.6 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.988 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.104 min

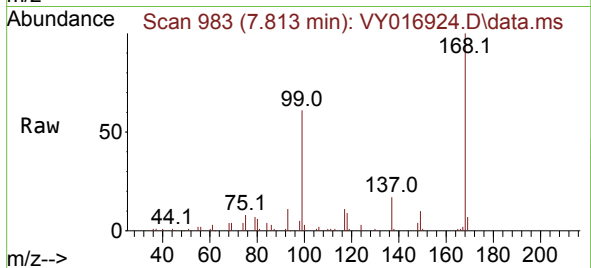
Lab File: VY016924.D

Acq: 05 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :



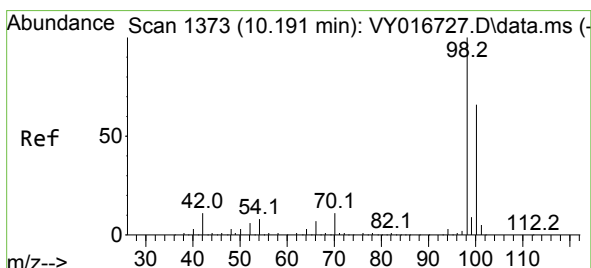
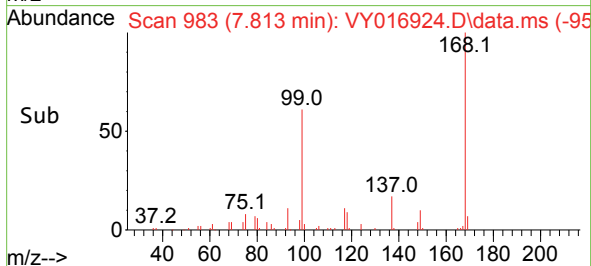
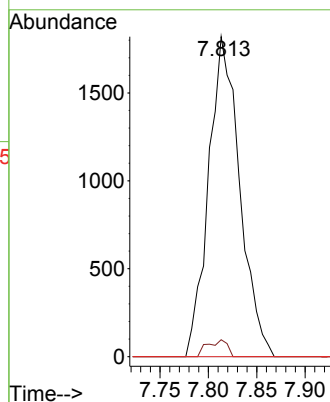
Tgt Ion:117 Resp: 4081

Ion Ratio Lower Upper

117 100

119 5.3 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 37.534 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016924.D

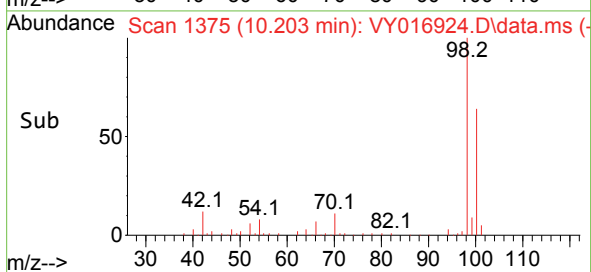
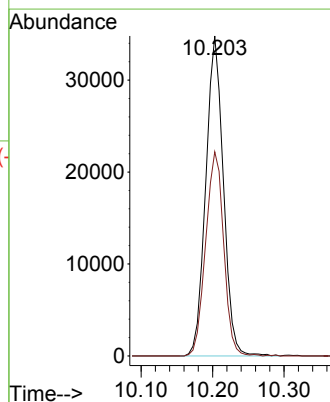
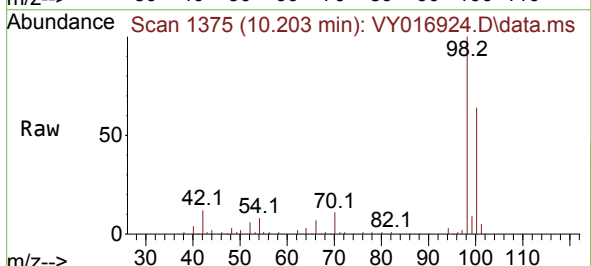
Acq: 05 Jan 2024 16:34

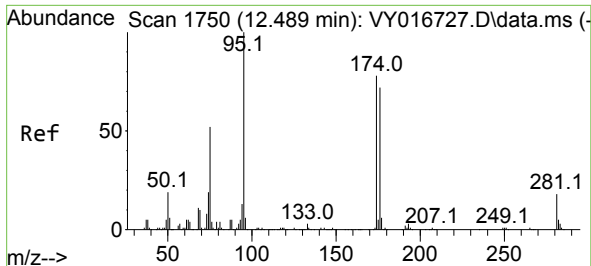
Tgt Ion: 98 Resp: 59495

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

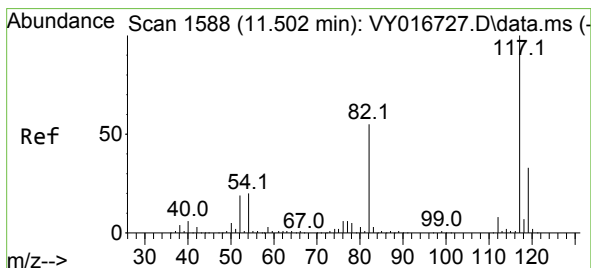
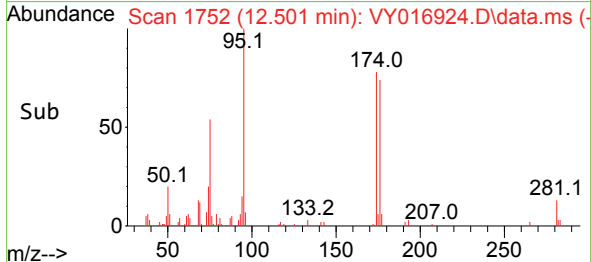
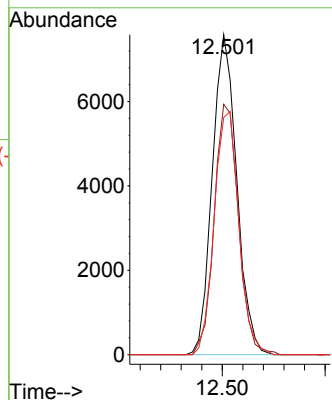
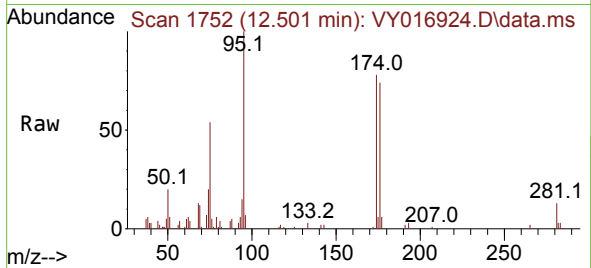




#62
4-Bromofluorobenzene
Concen: 23.400 ug/l
RT: 12.501 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

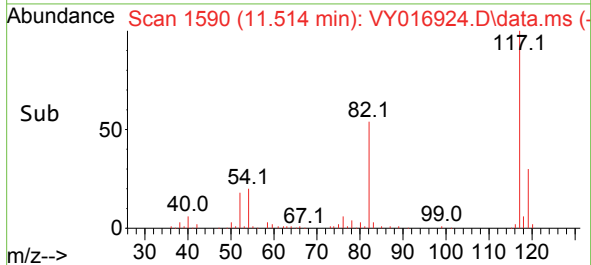
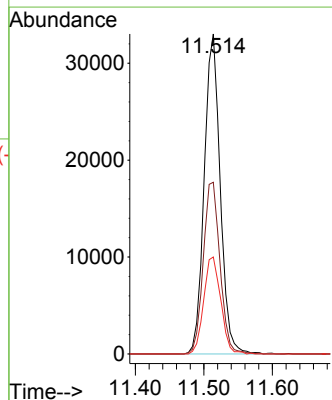
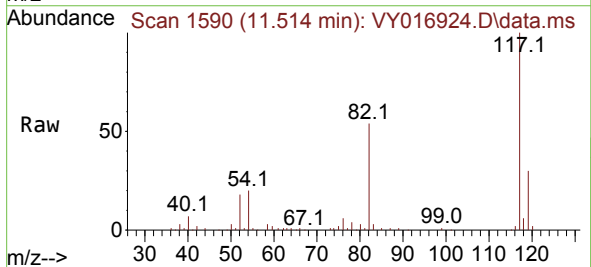
Instrument :
MSVOA_Y
ClientSampleId :

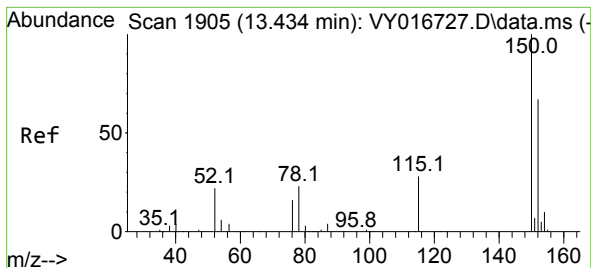
Tgt Ion: 95 Resp: 12514
Ion Ratio Lower Upper
95 100
174 77.5 0.0 160.0
176 76.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

Tgt Ion: 117 Resp: 53712
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 30.3 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.452 min Scan# 1905

Delta R.T. 0.018 min

Lab File: VY016924.D

Acq: 05 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

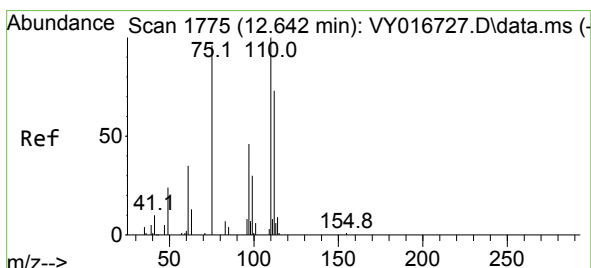
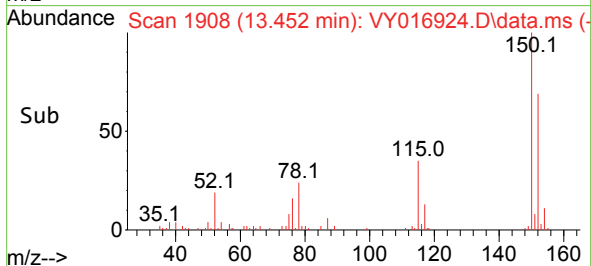
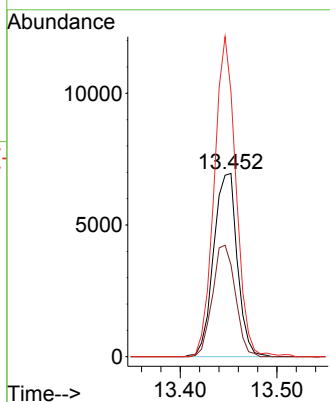
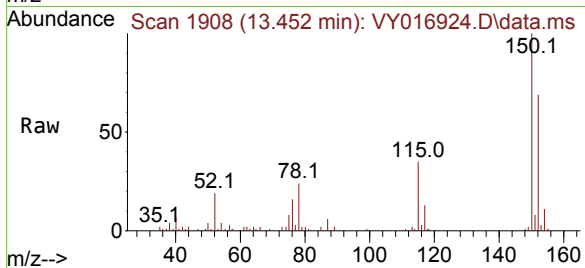
Tgt Ion:152 Resp: 11817

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 160.4 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 53.612 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.141 min

Lab File: VY016924.D

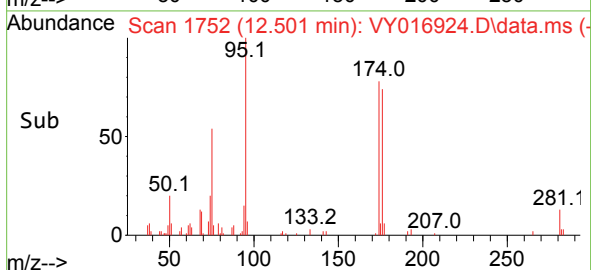
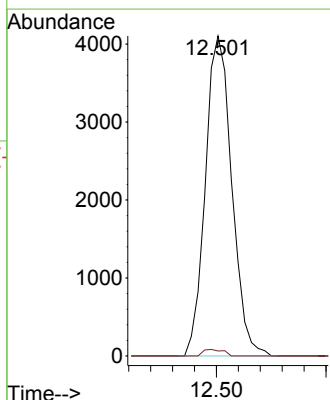
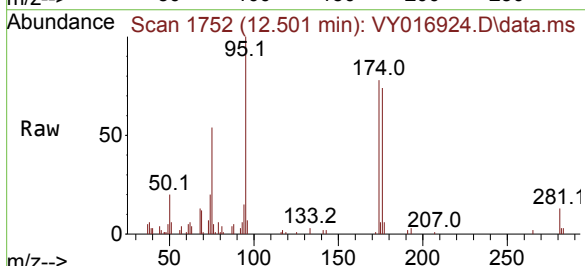
Acq: 05 Jan 2024 16:34

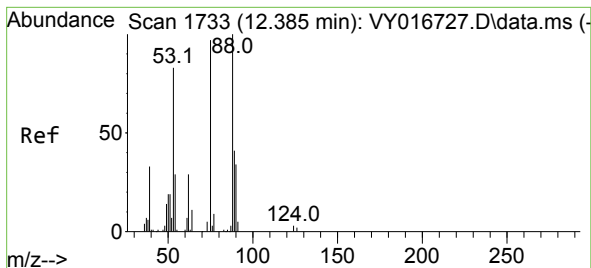
Tgt Ion: 75 Resp: 6875

Ion Ratio Lower Upper

75 100

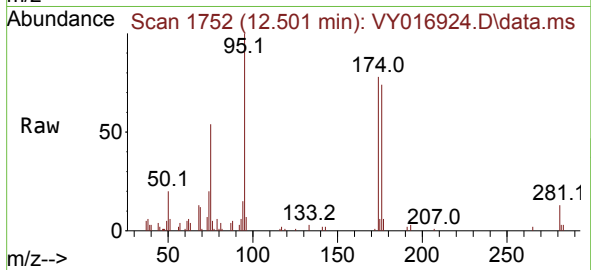
77 1.6 0.0 0.0#



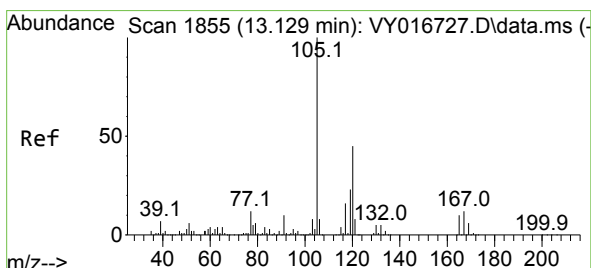
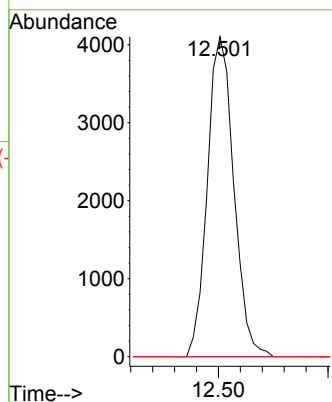
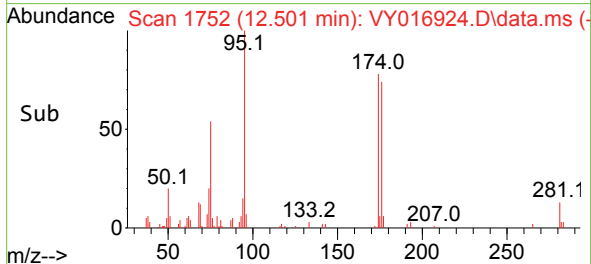


#81
trans-1,4-Dichloro-2-butene
Concen: 121.740 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34

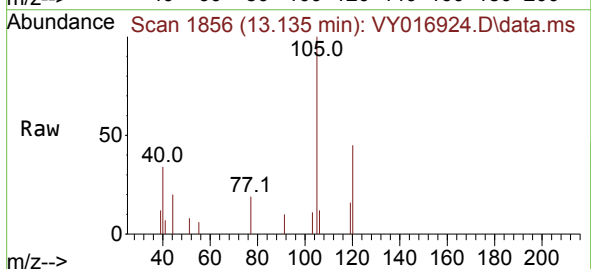
Instrument :
MSVOA_Y
ClientSampleId :



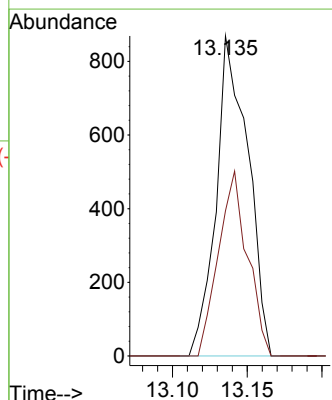
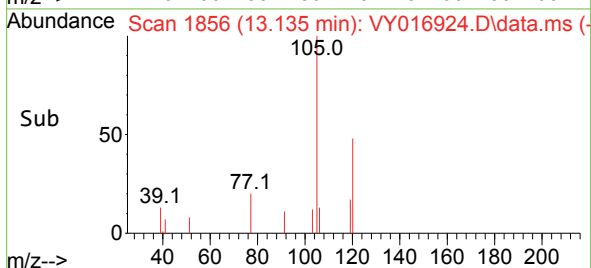
Tgt Ion: 75 Resp: 6875
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

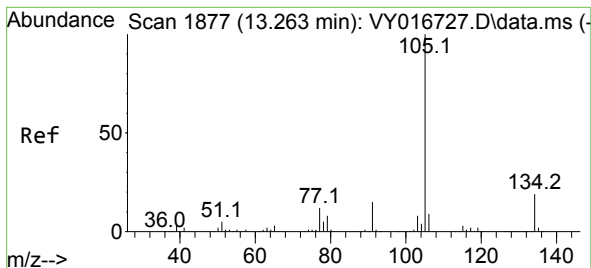


#84
1,2,4-Trimethylbenzene
Concen: 1.711 ug/l
RT: 13.135 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VY016924.D
Acq: 05 Jan 2024 16:34



Tgt Ion: 105 Resp: 1286
Ion Ratio Lower Upper
105 100
120 52.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 1.291 ug/l

RT: 13.135 min Scan# 11

Delta R.T. -0.128 min

Lab File: VY016924.D

Acq: 05 Jan 2024 16:34

Instrument :

MSVOA_Y

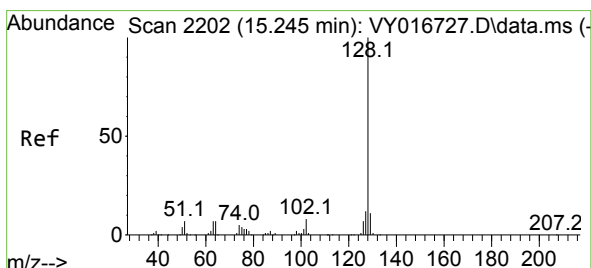
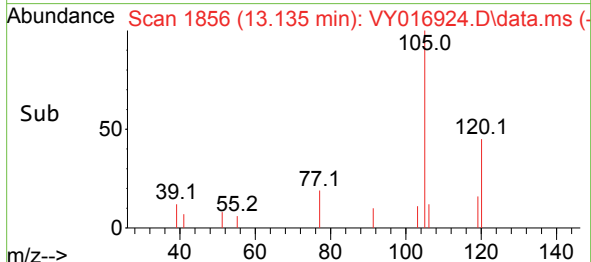
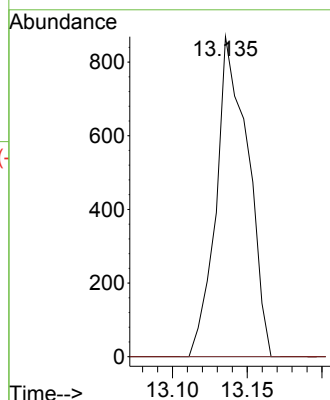
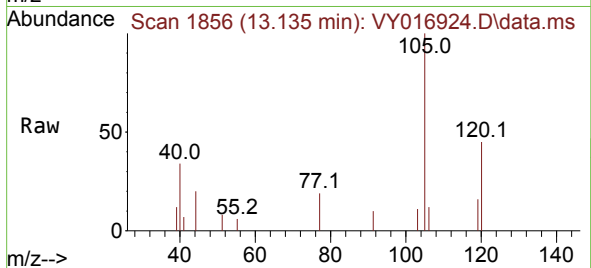
ClientSampleId :

Tgt Ion:105 Resp: 1286

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#



#95

Naphthalene

Concen: 2.593 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY016924.D

Acq: 05 Jan 2024 16:34

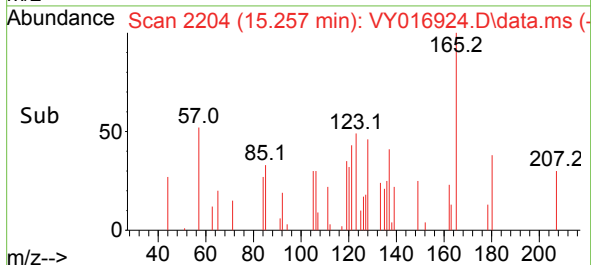
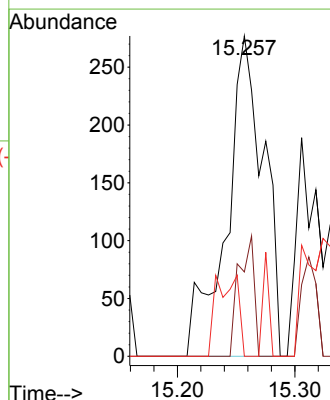
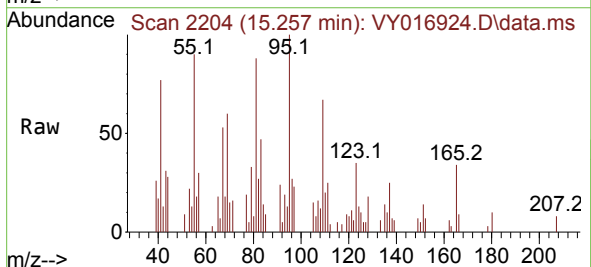
Tgt Ion:128 Resp: 609

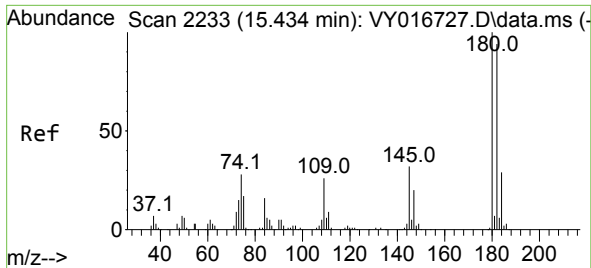
Ion Ratio Lower Upper

128 100

127 15.4 10.2 15.4#

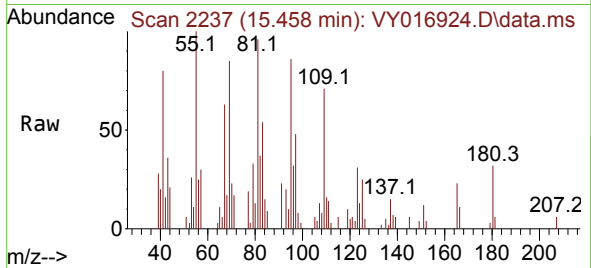
129 5.4 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 8.009 ug/l
 RT: 15.458 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY016924.D
 Acq: 05 Jan 2024 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	1216
Ion Ratio	Lower	Upper	
180	100		
182	0.0	46.3	138.8#
145	26.0	16.1	48.2

