

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016812.D
 Acq On : 22 Dec 2023 16:47
 Operator : SY/MD
 Sample : 05877-14
 Misc : 3.12g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:01:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

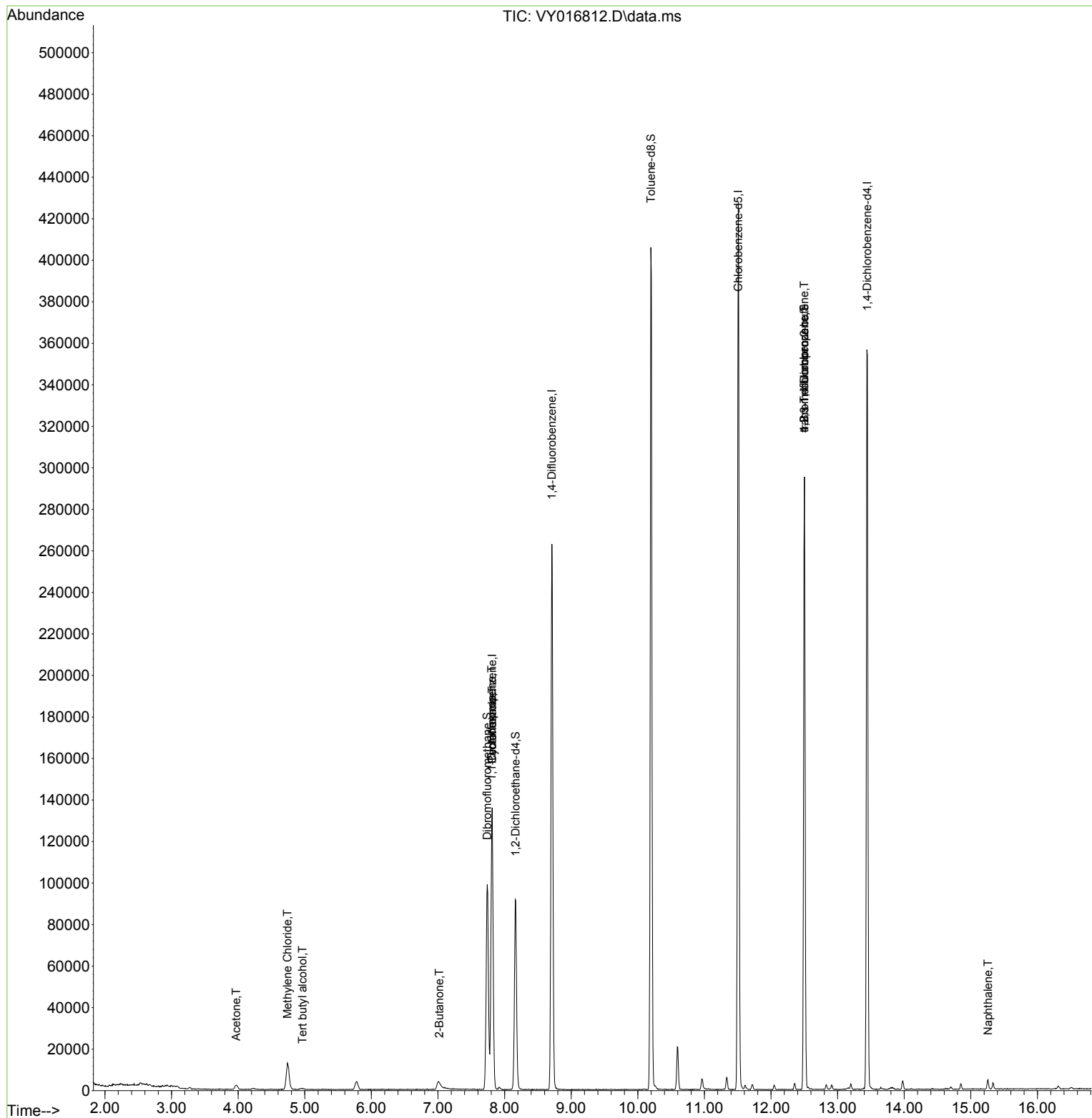
Internal Standards						
1) Pentafluorobenzene	7.813	168	100201	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	223526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	231069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	89757	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	70102	76.637	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.280%	
35) Dibromofluoromethane	7.740	113	72590	56.693	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.380%	
50) Toluene-d8	10.197	98	263368	57.059	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.120%	
62) 4-Bromofluorobenzene	12.502	95	87527	58.449	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	480	6.400	ug/l #	75
16) Acetone	3.973	43	4175	16.879	ug/l	95
20) Methylene Chloride	4.741	84	9529	4.769	ug/l	97
25) 2-Butanone	7.021	43	615	1.806	ug/l #	73
31) Cyclohexane	7.813	56	2434	1.389	ug/l #	25
36) 1,1-Dichloropropene	7.807	75	9214	4.489	ug/l #	49
76) 1,2,3-Trichloropropane	12.502	75	47014	47.383	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	47014	111.276	ug/l #	12
95) Naphthalene	15.257	128	3857	4.828	ug/l	99

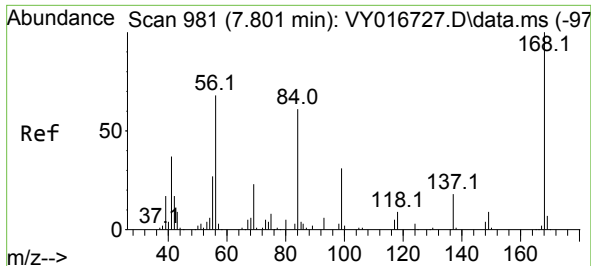
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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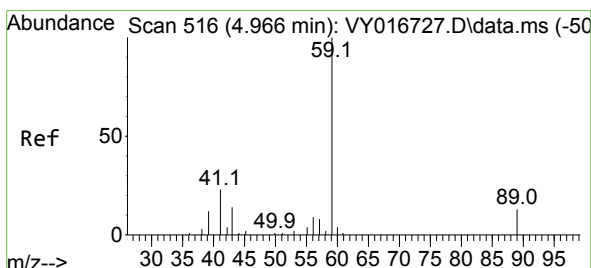
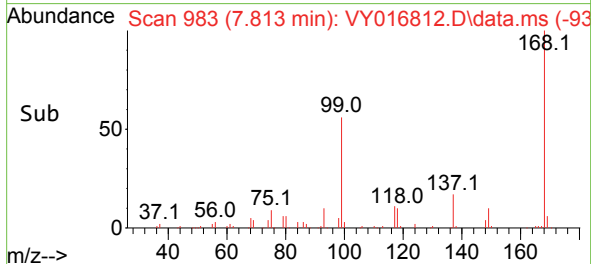
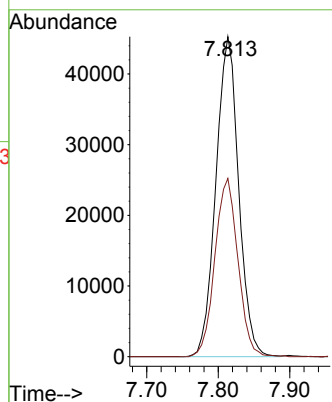
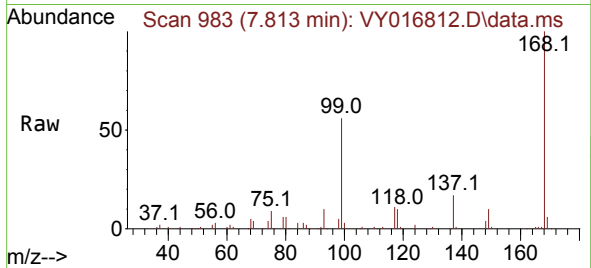




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

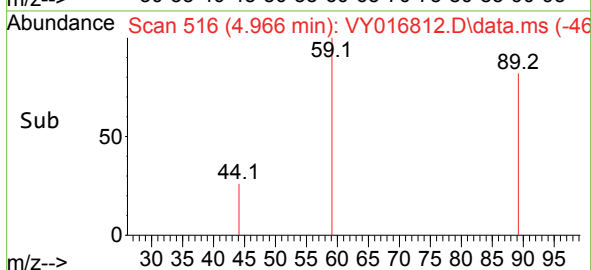
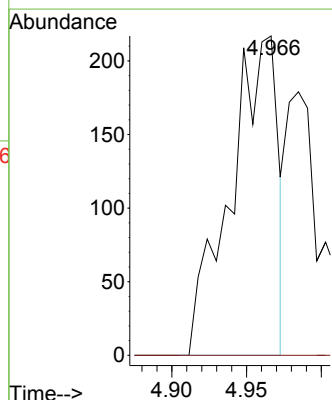
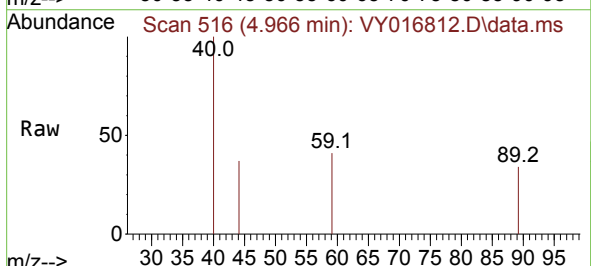
Instrument :
MSVOA_Y
ClientSampleId :

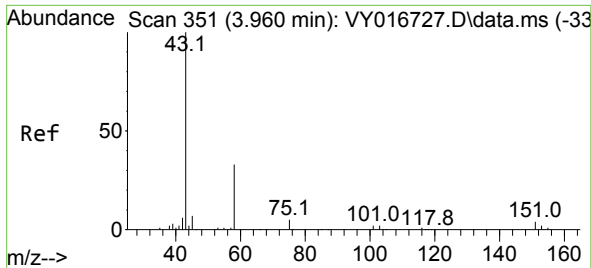
Tgt Ion:168 Resp: 100201
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.400 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

Tgt Ion: 59 Resp: 480
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 16.879 ug/l

RT: 3.973 min Scan# 3

Delta R.T. 0.013 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

Instrument :

MSVOA_Y

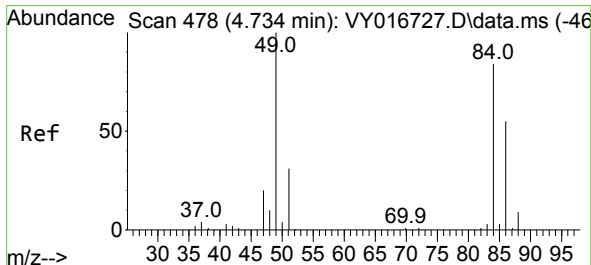
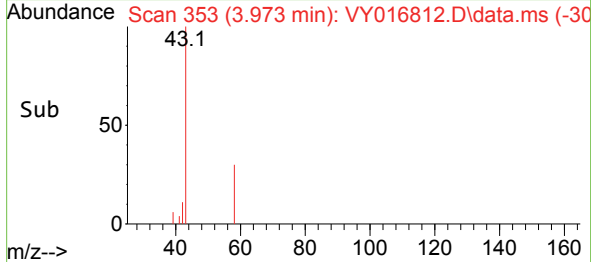
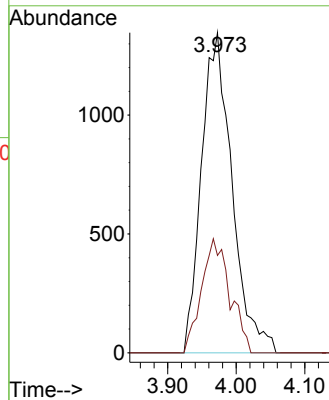
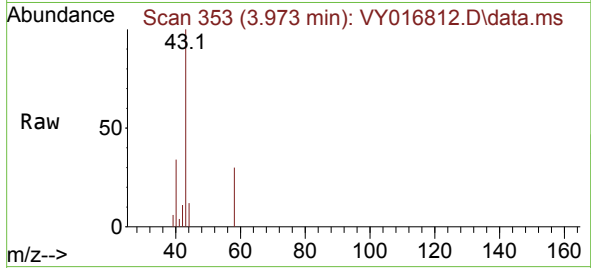
ClientSampleId :

Tgt Ion: 43 Resp: 4175

Ion Ratio Lower Upper

43 100

58 30.4 26.6 39.8



#20

Methylene Chloride

Concen: 4.769 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.007 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

Tgt Ion: 84 Resp: 9529

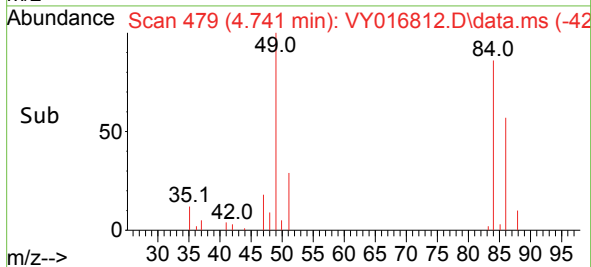
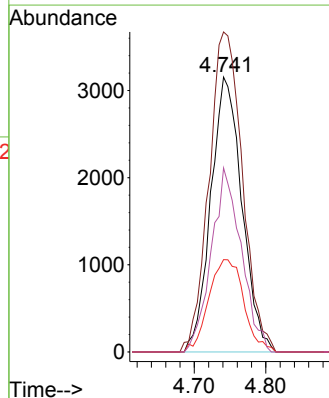
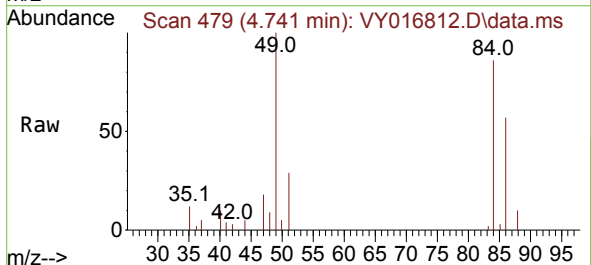
Ion Ratio Lower Upper

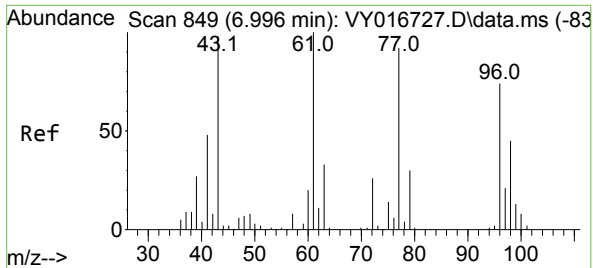
84 100

49 116.4 95.2 142.8

51 33.6 29.9 44.9

86 66.9 52.2 78.4





#25

2-Butanone

Concen: 1.806 ug/l

RT: 7.021 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

Instrument :

MSVOA_Y

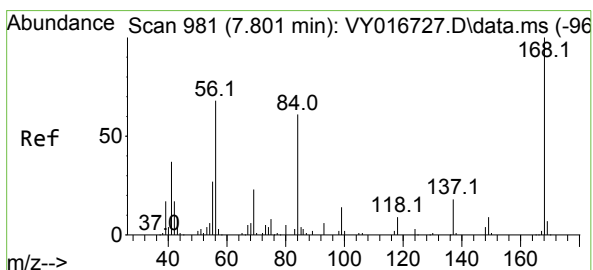
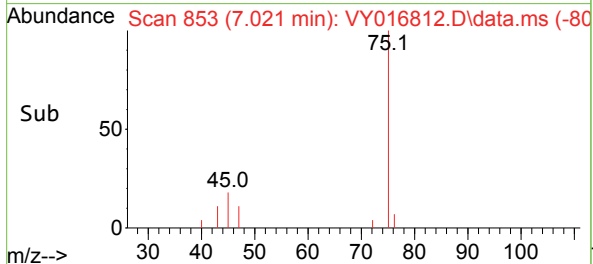
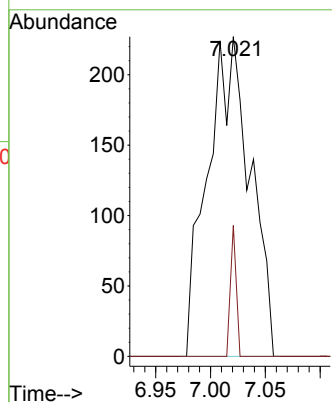
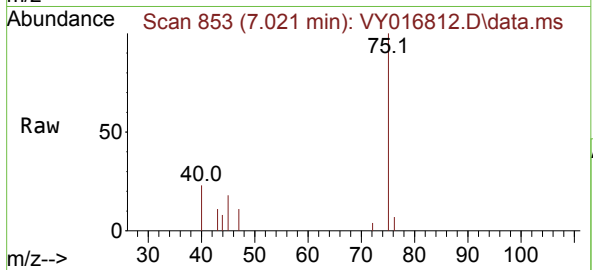
ClientSampleId :

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

72 41.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

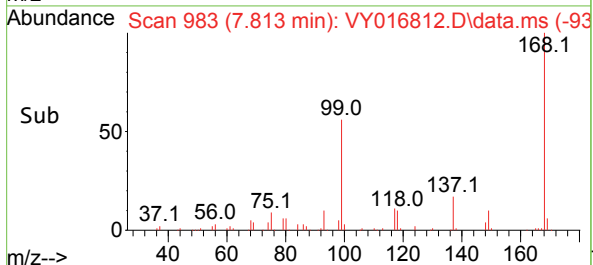
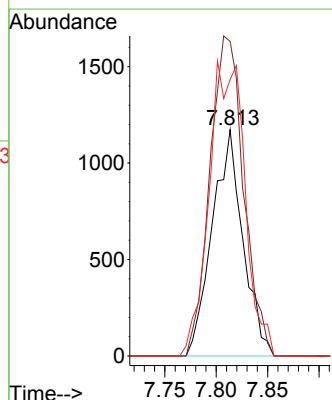
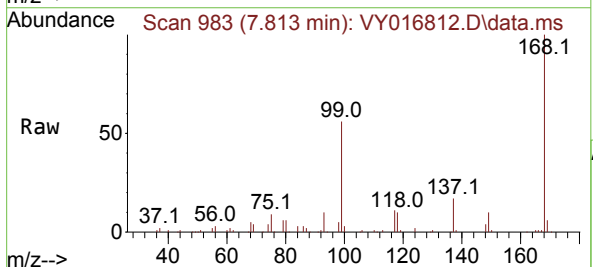
Tgt Ion: 56 Resp: 2434

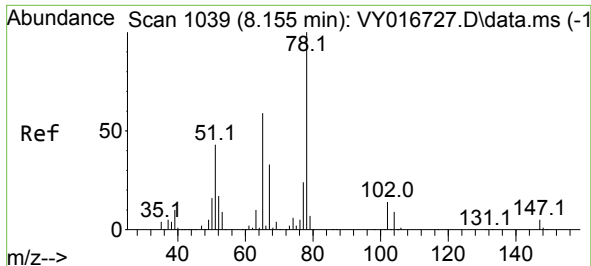
Ion Ratio Lower Upper

56 100

69 139.0 27.0 40.6#

84 122.2 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 76.637 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

Instrument :

MSVOA_Y

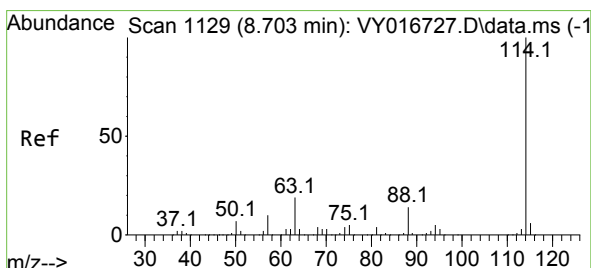
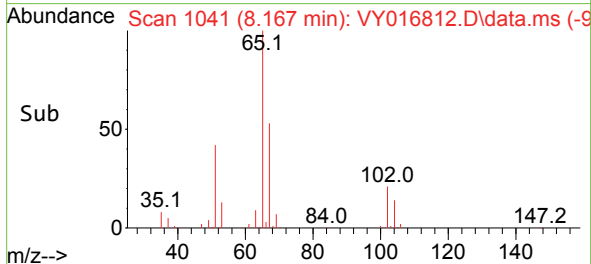
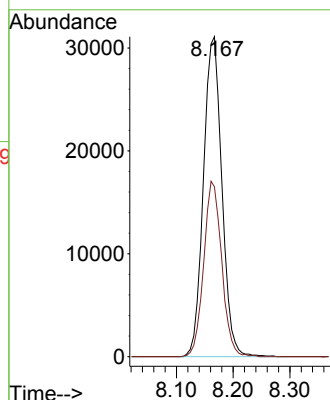
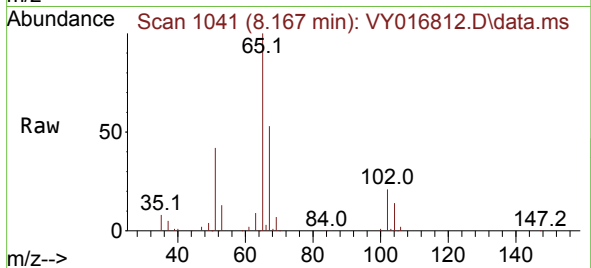
ClientSampleId :

Tgt Ion: 65 Resp: 70102

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

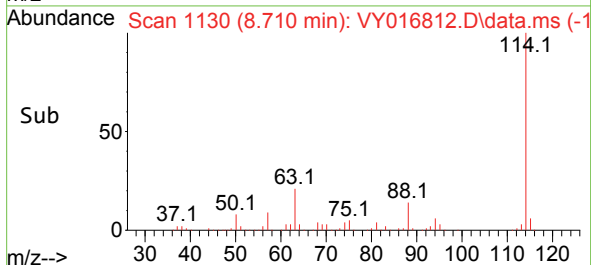
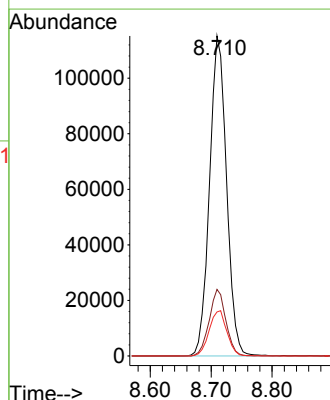
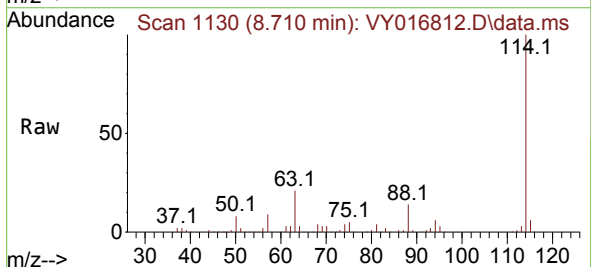
Tgt Ion: 114 Resp: 223526

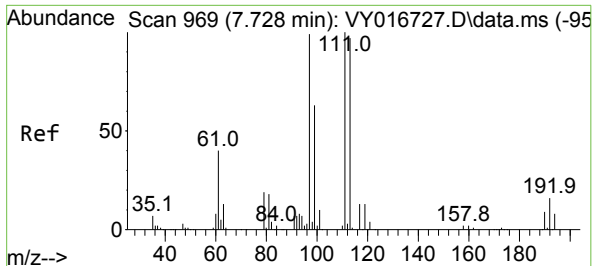
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 13.8 0.0 29.0

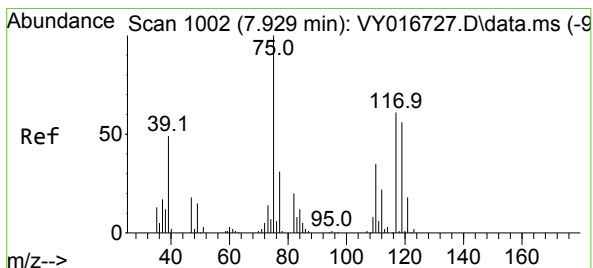
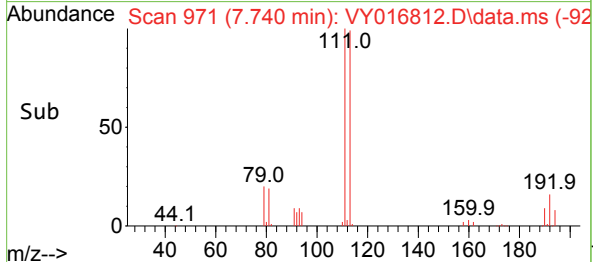
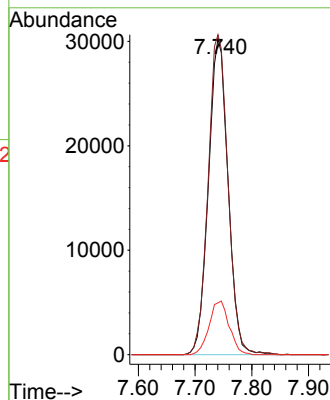
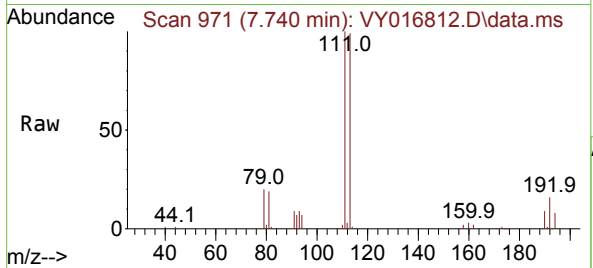




#35
Dibromofluoromethane
Concen: 56.693 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

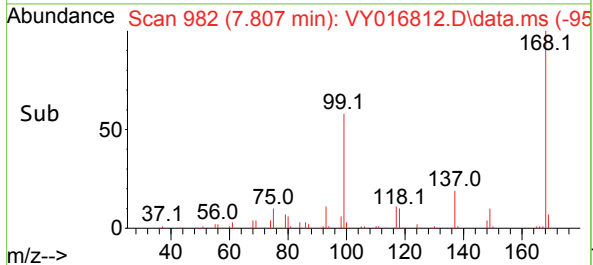
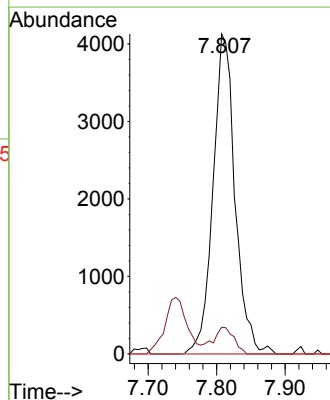
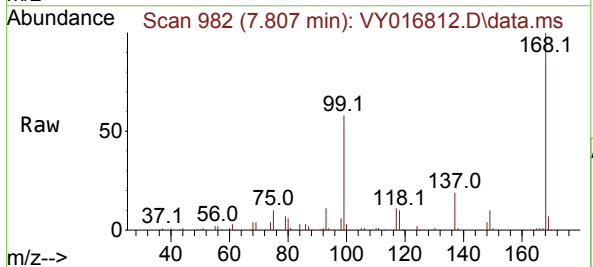
Instrument :
MSVOA_Y
ClientSampleId :

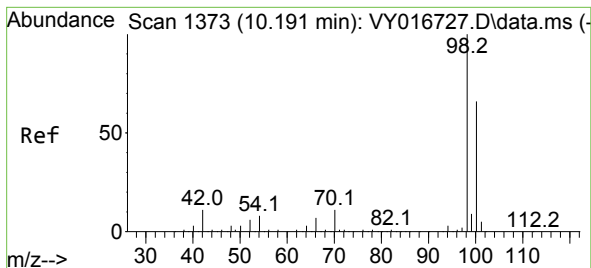
Tgt Ion:113 Resp: 72590
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.6
192 17.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

Tgt Ion: 75 Resp: 9214
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 57.059 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

Instrument :

MSVOA_Y

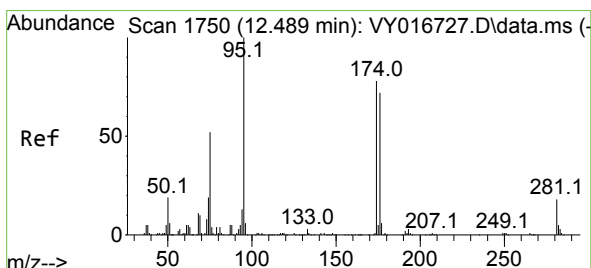
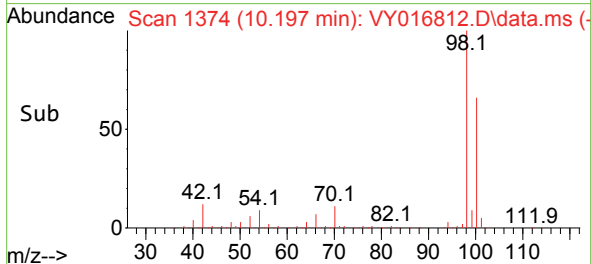
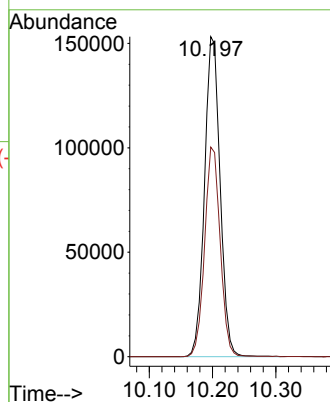
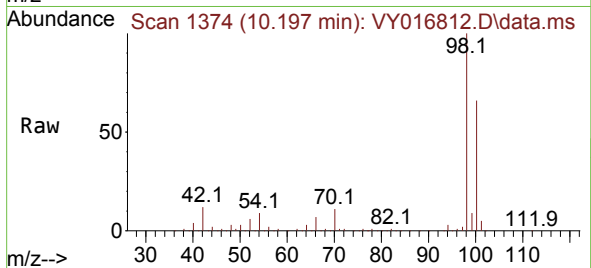
ClientSampleId :

Tgt Ion: 98 Resp: 263368

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 58.449 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016812.D

Acq: 22 Dec 2023 16:47

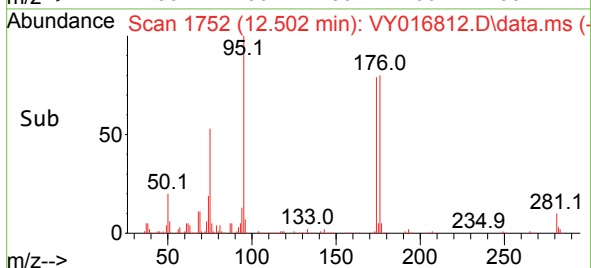
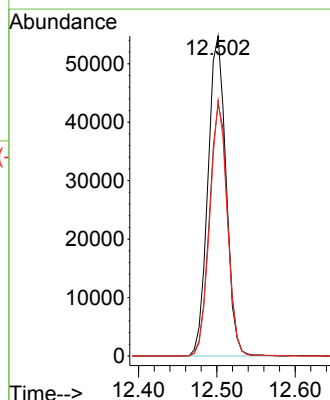
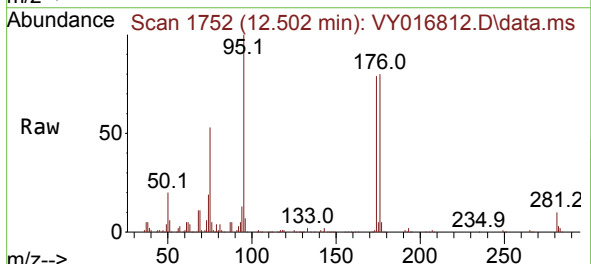
Tgt Ion: 95 Resp: 87527

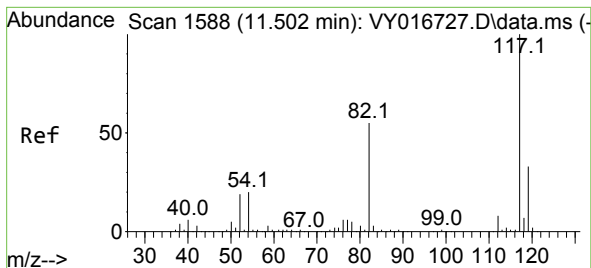
Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.0

176 76.8 0.0 151.8

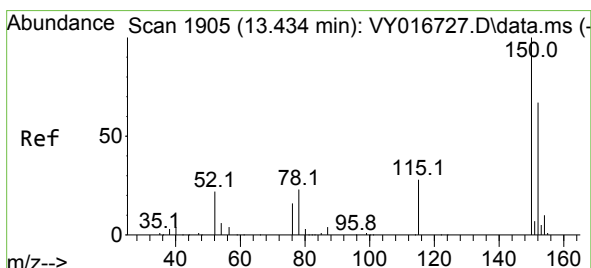
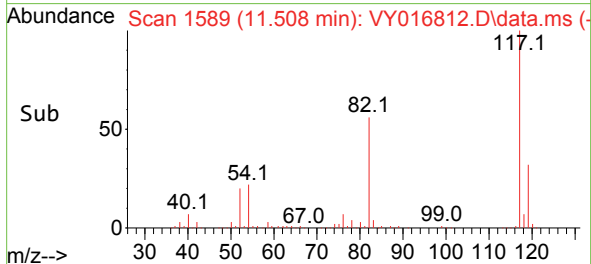
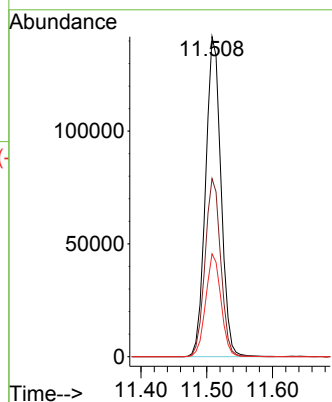
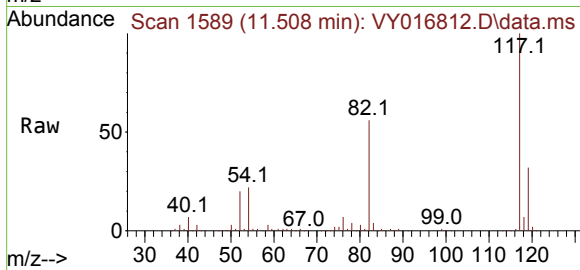




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

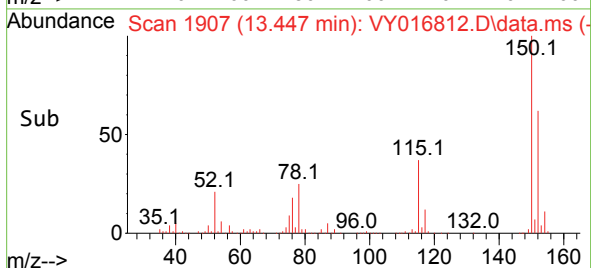
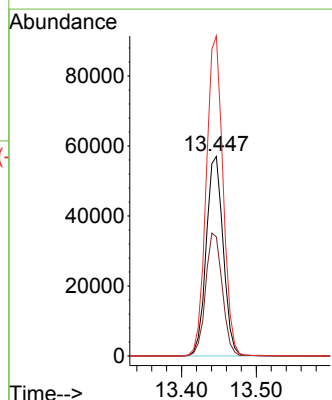
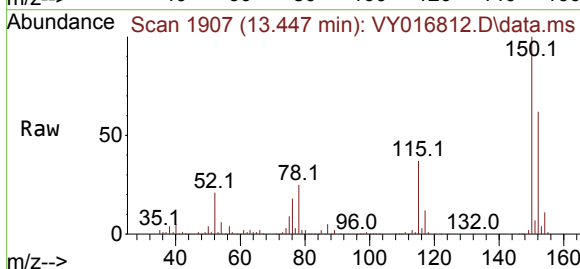
Instrument :
MSVOA_Y
ClientSampleId :

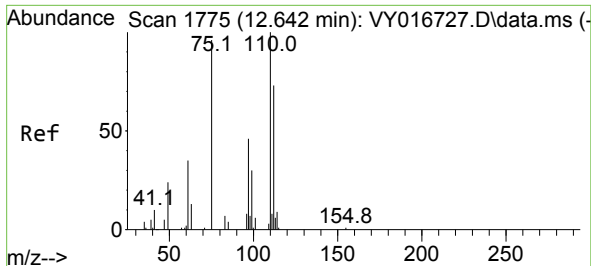
Tgt Ion:117 Resp: 231069
Ion Ratio Lower Upper
117 100
82 55.7 43.8 65.8
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

Tgt Ion:152 Resp: 89757
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 158.6 0.0 344.6

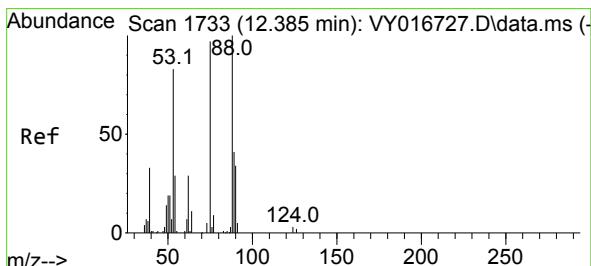
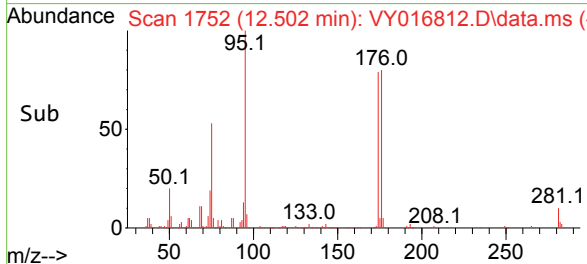
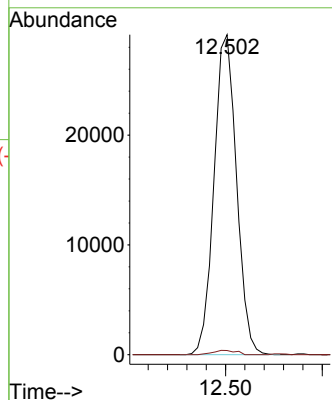
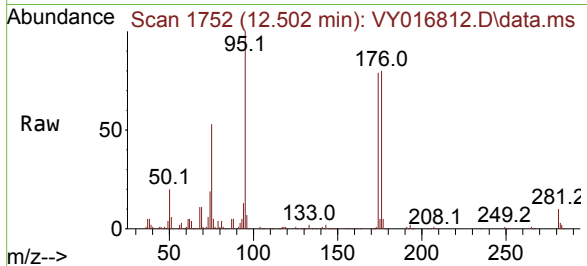




#76
1,2,3-Trichloropropane
Concen: 47.383 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

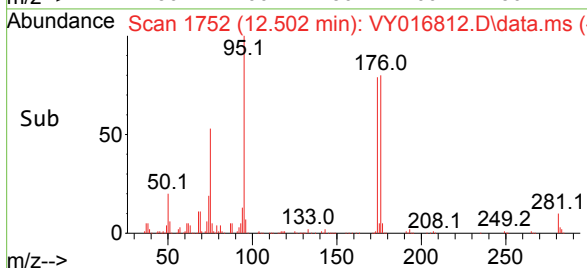
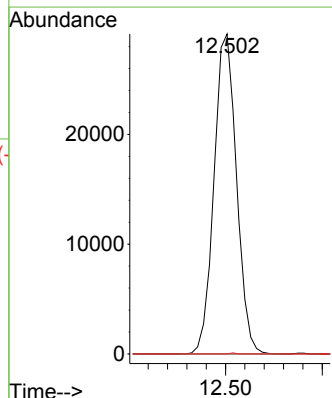
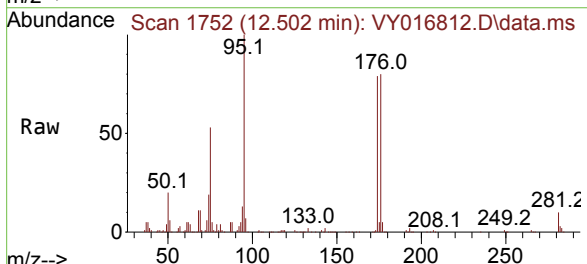
Instrument :
MSVOA_Y
ClientSampleId :

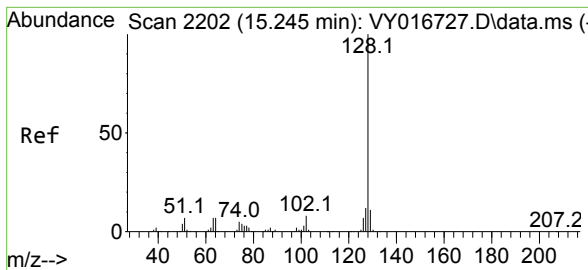
Tgt Ion: 75 Resp: 47014
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.276 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016812.D
Acq: 22 Dec 2023 16:47

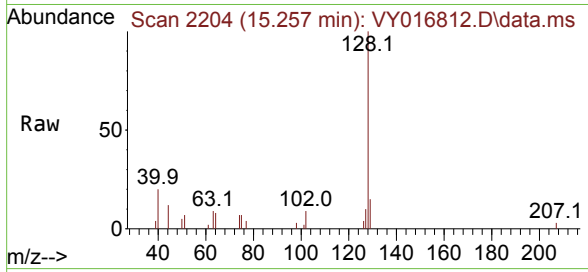
Tgt Ion: 75 Resp: 47014
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 4.828 ug/l
 RT: 15.257 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY016812.D
 Acq: 22 Dec 2023 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	3857
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.0	8.6	12.8

