

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013858.D
 Acq On : 24 May 2023 19:52
 Operator : KP/MD
 Sample : 02908-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB13

Quant Time: May 25 07:10:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

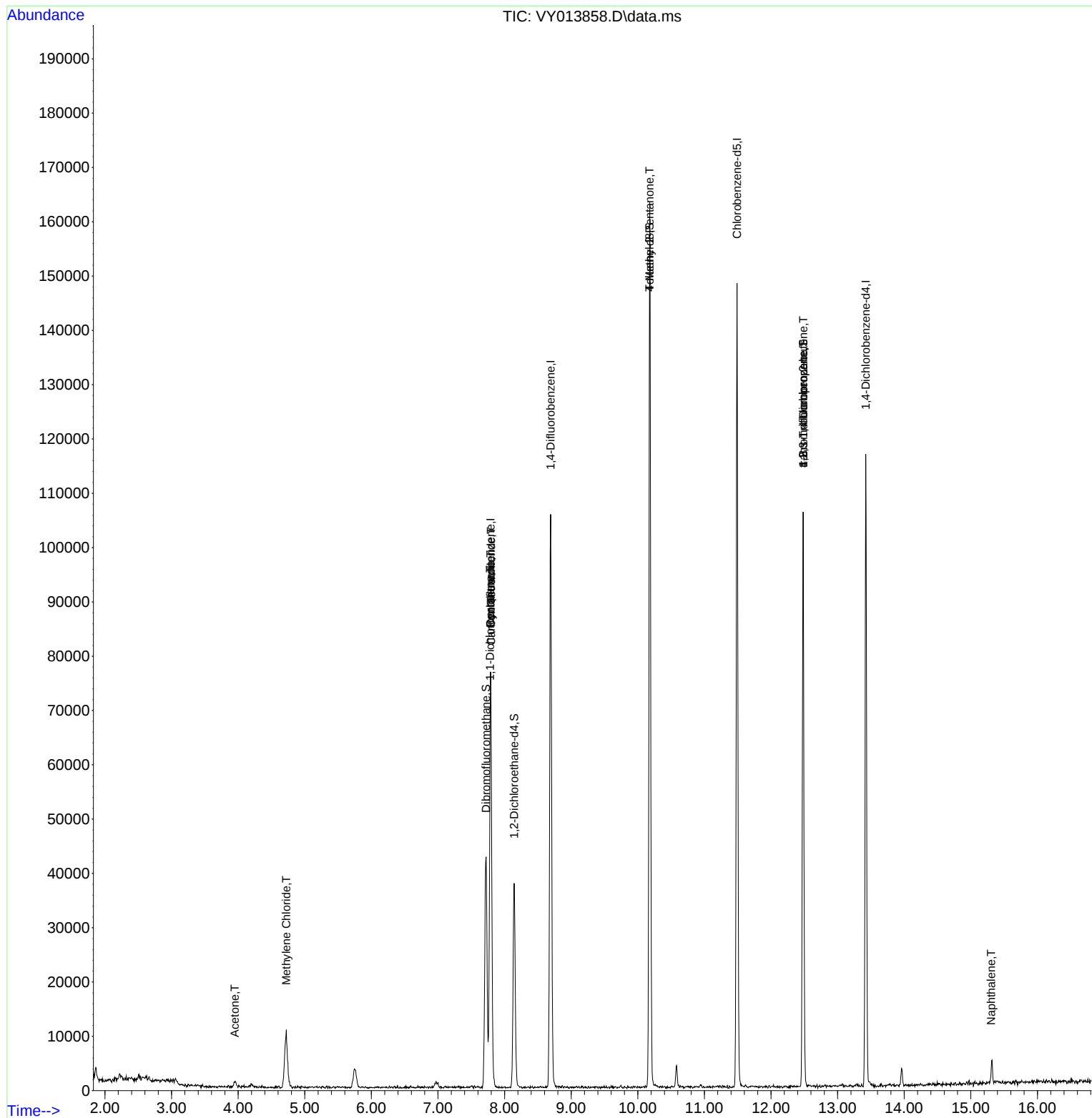
Internal Standards						
1) Pentafluorobenzene	7.789	168	59828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	88330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	78048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	30544	44.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.260%
35) Dibromofluoromethane	7.722	113	29748	52.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.300%
50) Toluene-d8	10.179	98	105047	48.452	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.483	95	27352	37.954	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.900%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	1843	8.971	ug/l #	81
20) Methylene Chloride	4.722	84	7243	7.800	ug/l	98
31) Cyclohexane	7.789	56	1419	1.334	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	4456	5.129	ug/l #	49
38) Carbon Tetrachloride	7.795	117	5854	5.925	ug/l #	18
51) 4-Methyl-2-Pentanone	10.179	43	522	1.014	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	14702	40.800	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	14702	88.564	ug/l #	10
95) Naphthalene	15.306	128	22	4.564	ug/l #	68

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

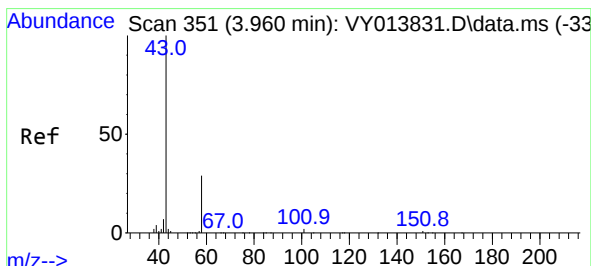
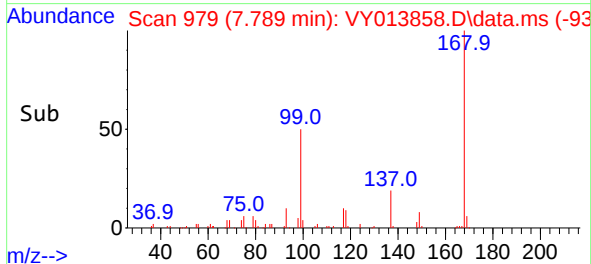
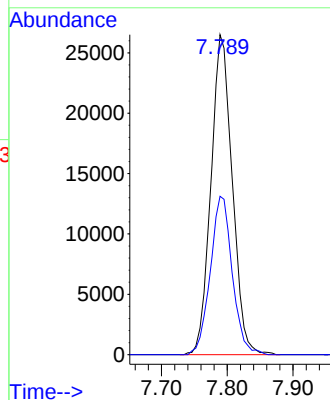
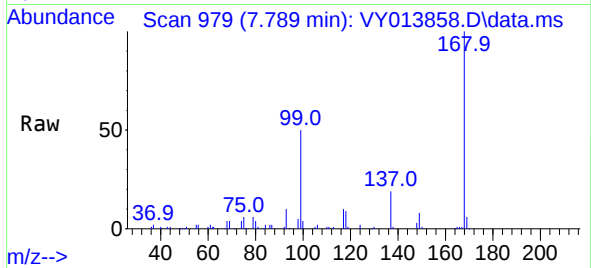




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

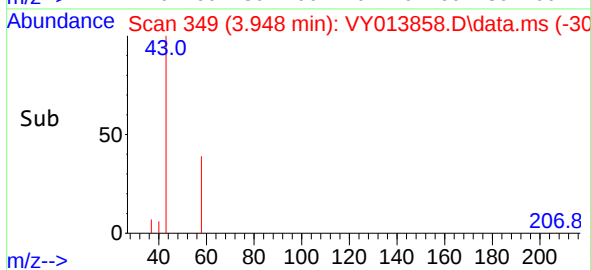
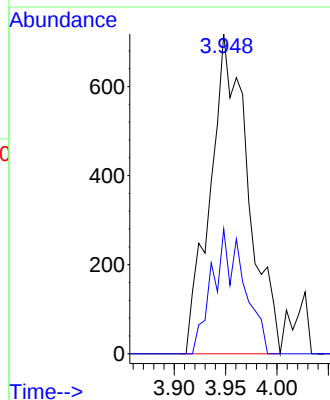
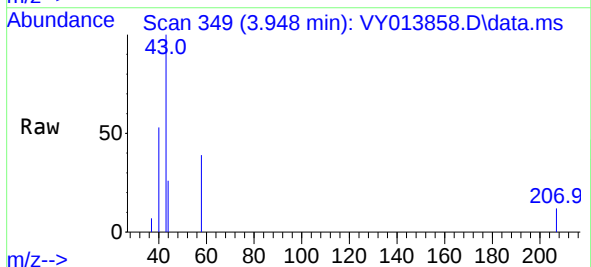
Instrument :
MSVOA_Y
ClientSampleId :
SB13

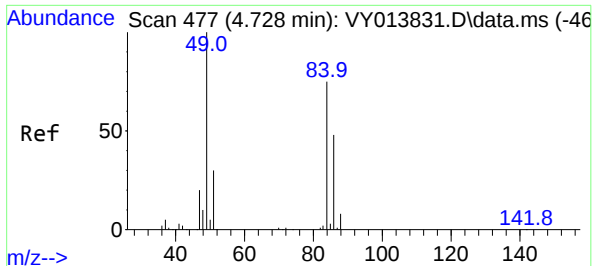
Tgt Ion:168 Resp: 59828
Ion Ratio Lower Upper
168 100
99 49.5 43.4 65.2



#16
Acetone
Concen: 8.971 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

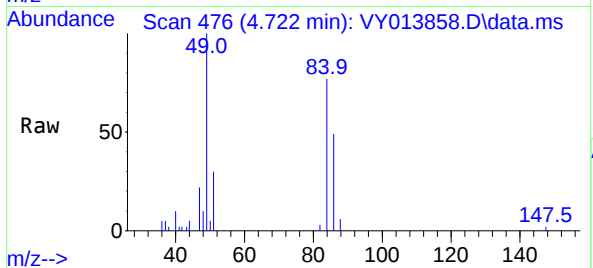
Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
58 39.0 23.3 34.9#





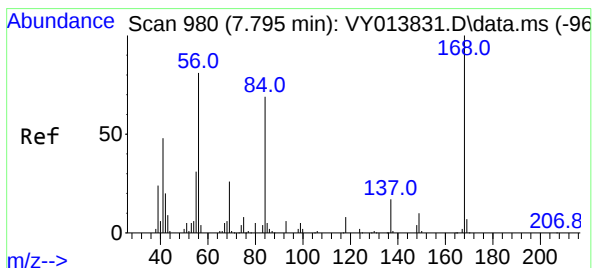
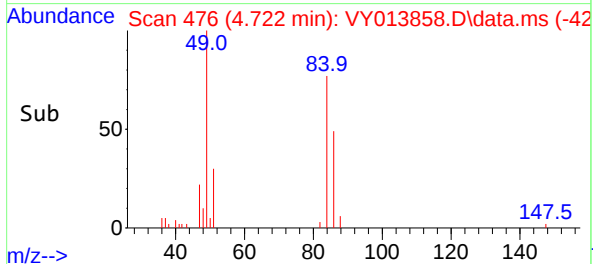
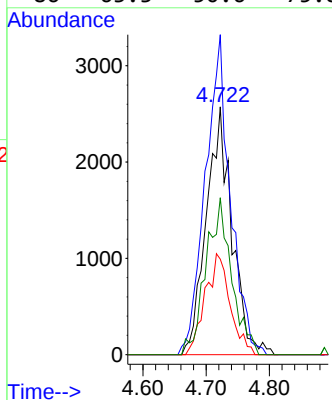
#20
Methylene Chloride
Concen: 7.800 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Instrument :
MSVOA_Y
ClientSampleId :
SB13



Tgt Ion: 84 Resp: 7243

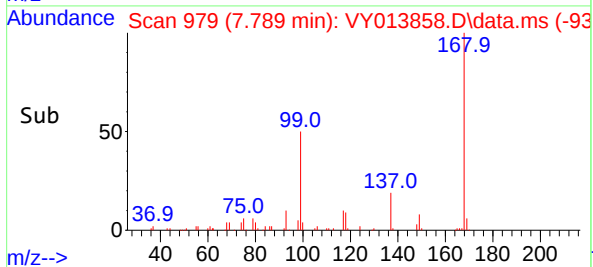
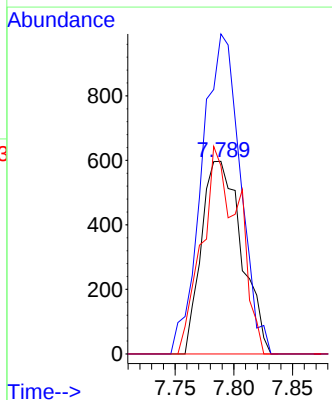
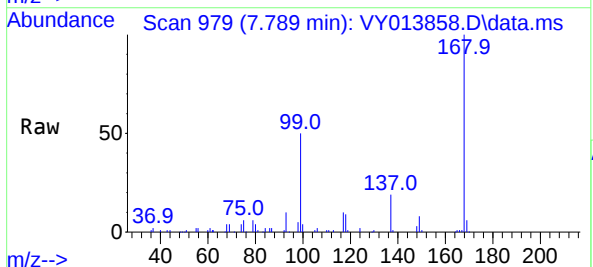
Ion	Ratio	Lower	Upper
84	100		
49	129.1	106.2	159.2
51	38.5	31.4	47.0
86	63.3	50.6	75.8

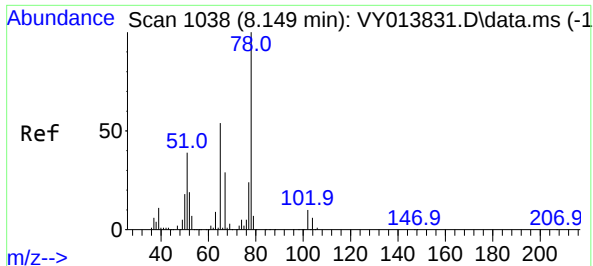


#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Tgt Ion: 56 Resp: 1419

Ion	Ratio	Lower	Upper
56	100		
69	166.2	25.8	38.8#
84	97.7	68.2	102.2





#33

1,2-Dichloroethane-d4

Concen: 44.129 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013858.D

Acq: 24 May 2023 19:52

Instrument :

MSVOA_Y

ClientSampleId :

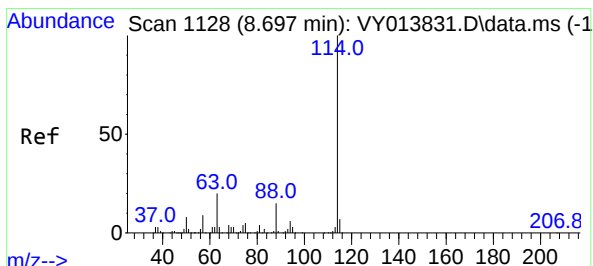
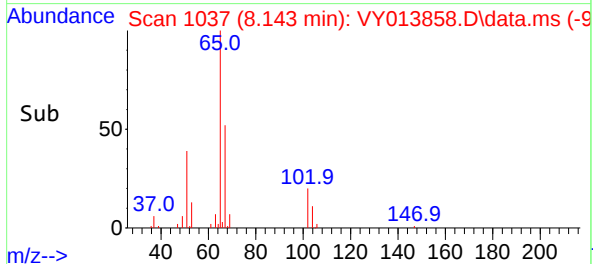
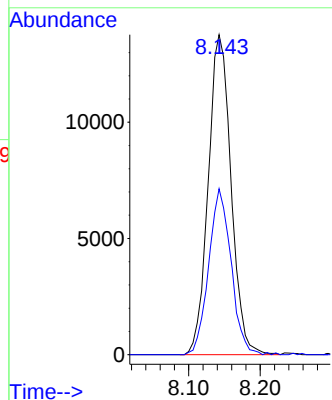
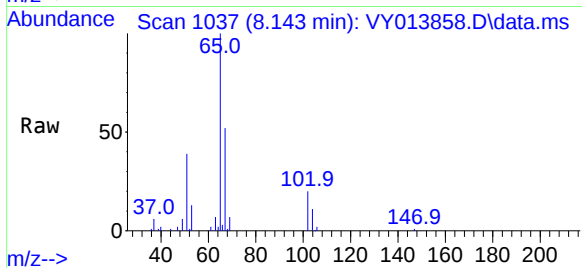
SB13

Tgt Ion: 65 Resp: 30544

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013858.D

Acq: 24 May 2023 19:52

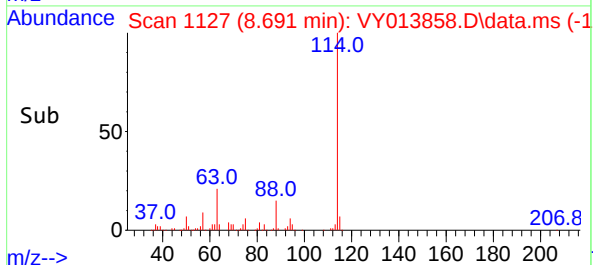
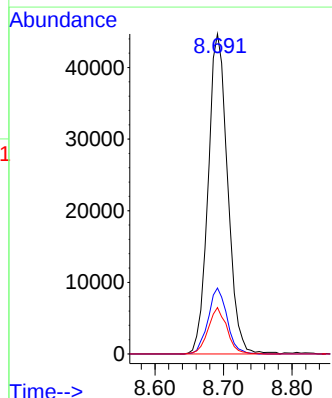
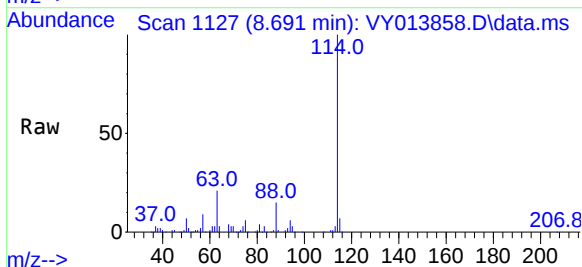
Tgt Ion: 114 Resp: 88330

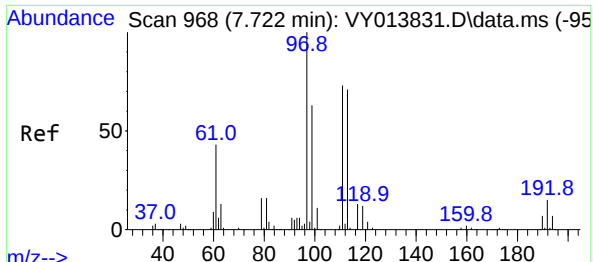
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

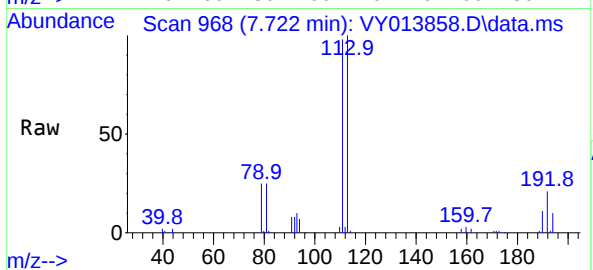
88 14.5 0.0 30.0



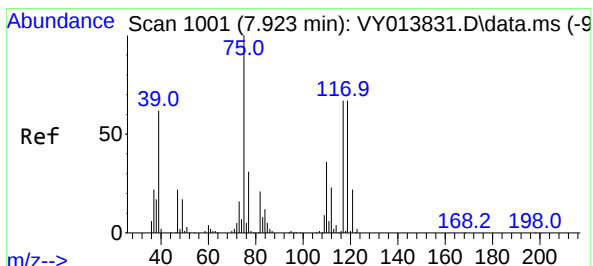
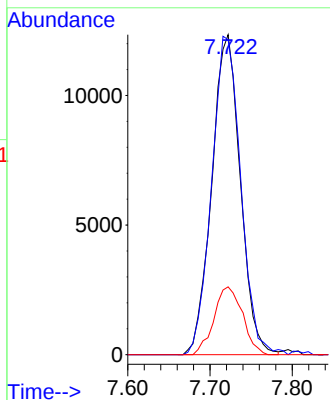
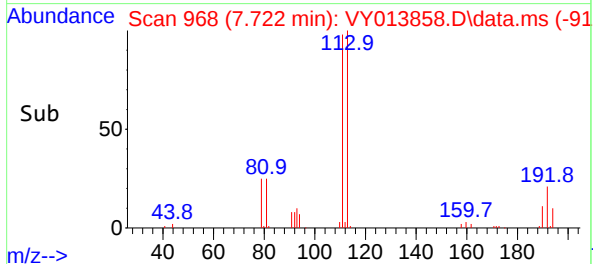


#35
Dibromofluoromethane
Concen: 52.149 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

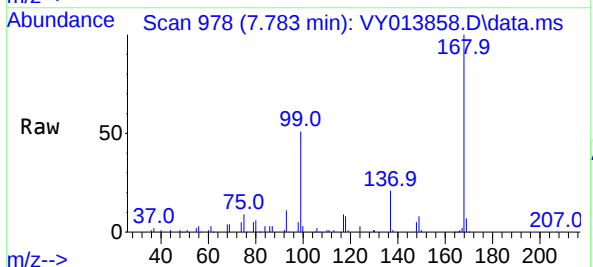
Instrument :
MSVOA_Y
ClientSampleId :
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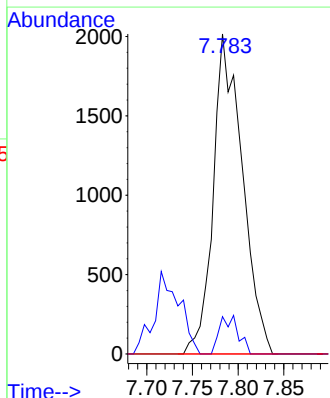
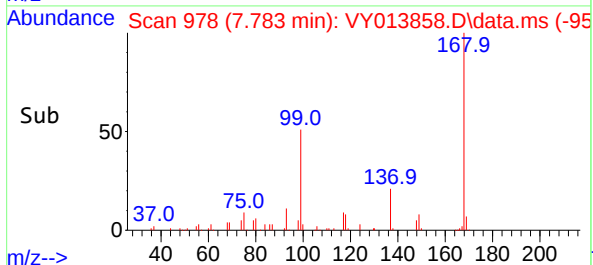
Tgt Ion:113 Resp: 29748
Ion Ratio Lower Upper
113 100
111 101.4 80.4 120.6
192 21.2 16.6 25.0

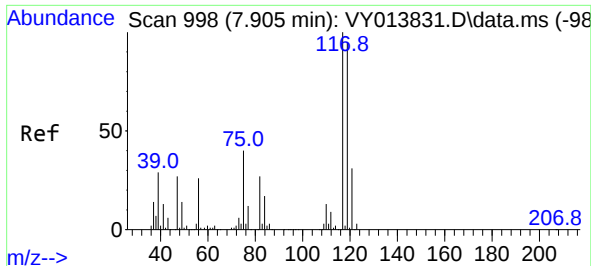


#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52



Tgt Ion: 75 Resp: 4456
Ion Ratio Lower Upper
75 100
110 7.7 17.5 52.6#
77 0.0 24.4 36.6#

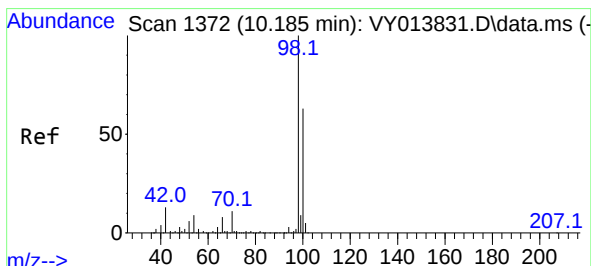
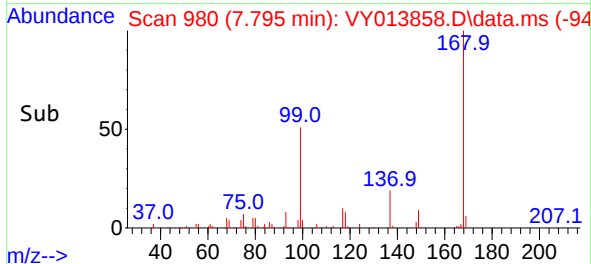
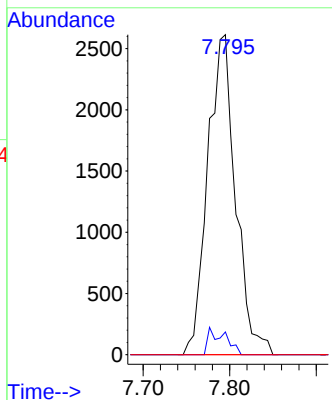
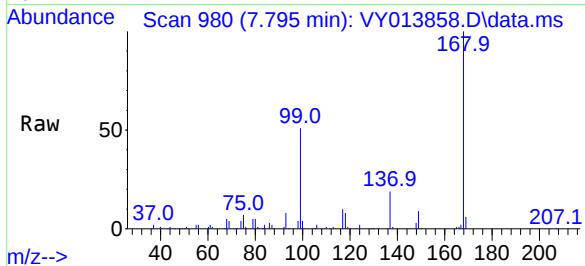




#38
Carbon Tetrachloride
Concen: 5.925 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

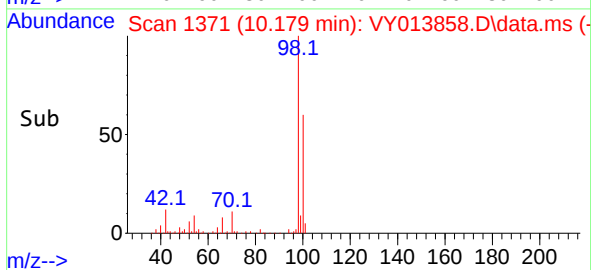
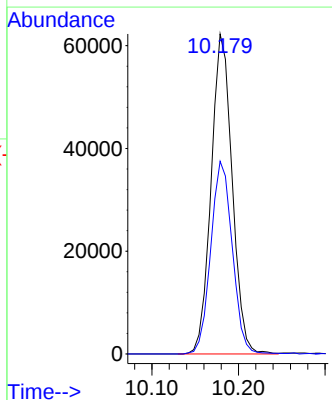
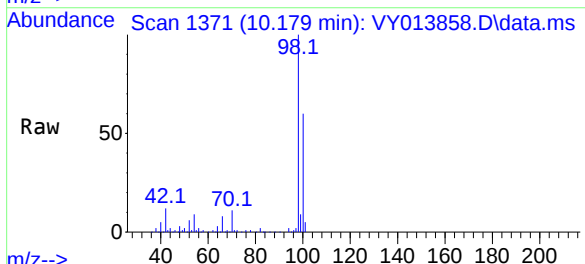
Instrument :
MSVOA_Y
ClientSampleId :
SB13

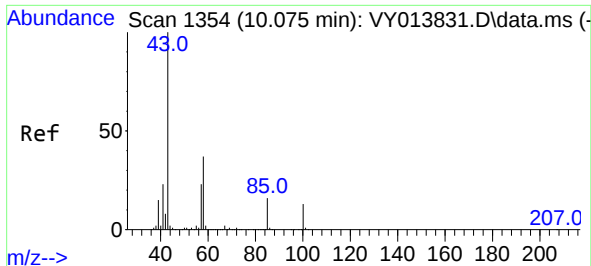
Tgt Ion:117 Resp: 5854
Ion Ratio Lower Upper
117 100
119 7.1 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.452 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Tgt Ion: 98 Resp: 105047
Ion Ratio Lower Upper
98 100
100 61.6 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 1.014 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY013858.D

Acq: 24 May 2023 19:52

Instrument :

MSVOA_Y

ClientSampleId :

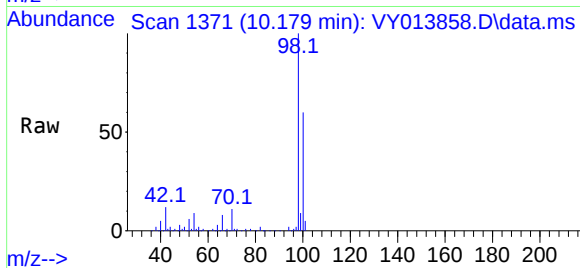
SB13

Tgt Ion: 43 Resp: 522

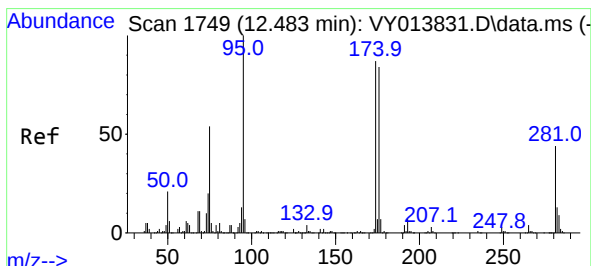
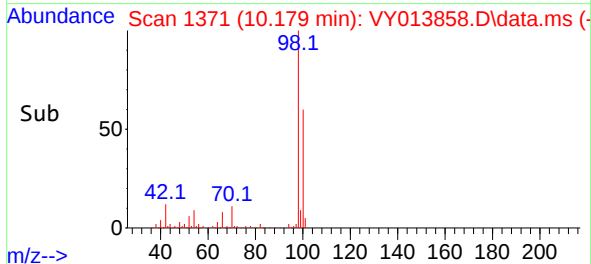
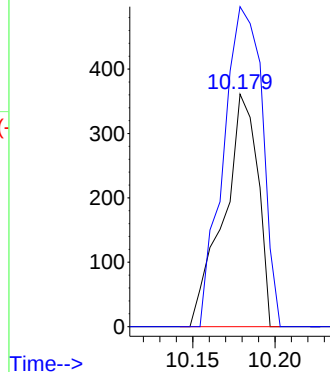
Ion Ratio Lower Upper

43 100

58 157.1 29.1 43.7#



Abundance



#62

4-Bromofluorobenzene

Concen: 37.954 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013858.D

Acq: 24 May 2023 19:52

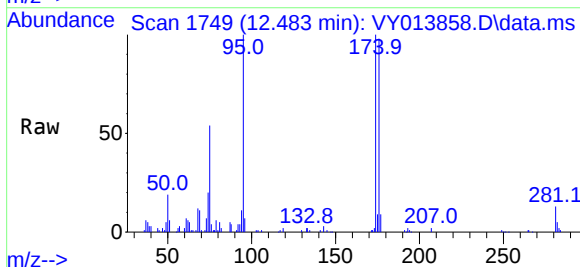
Tgt Ion: 95 Resp: 27352

Ion Ratio Lower Upper

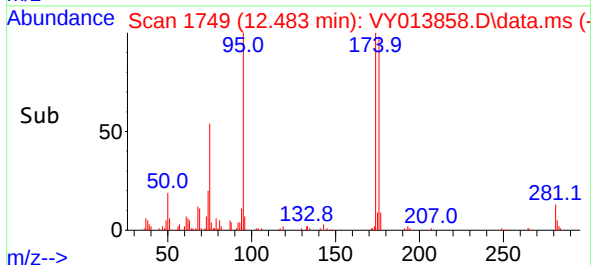
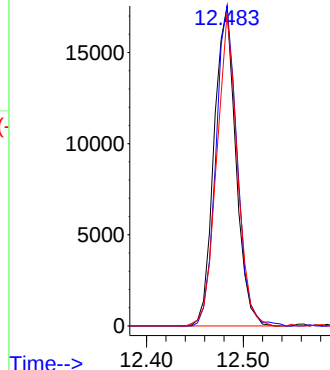
95 100

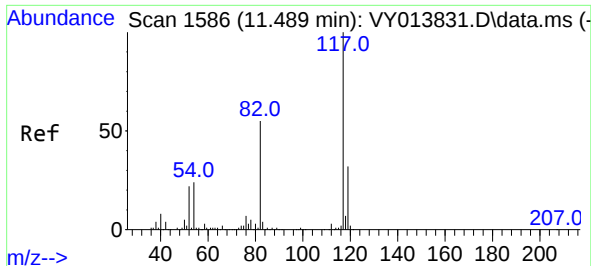
174 97.9 0.0 176.0

176 92.4 0.0 170.2



Abundance

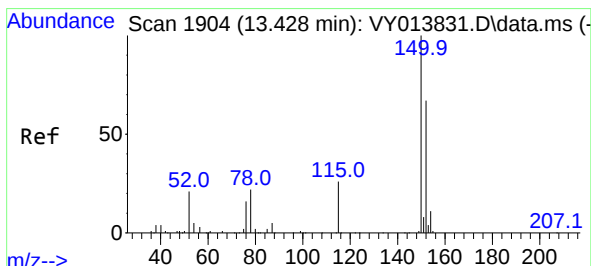
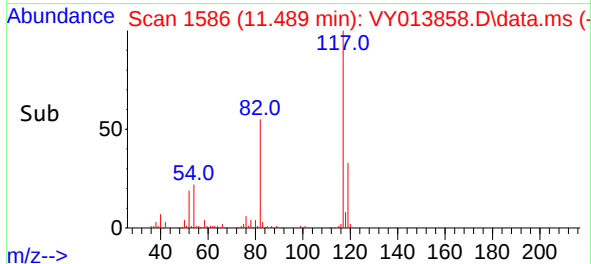
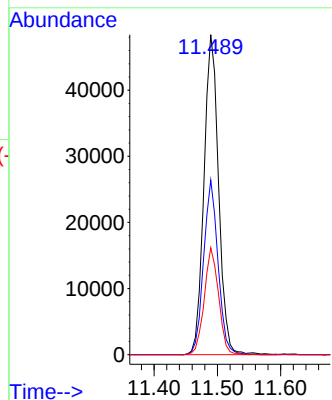
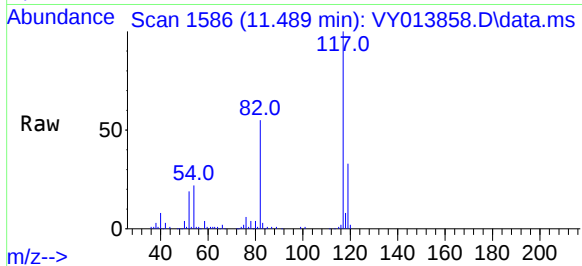




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

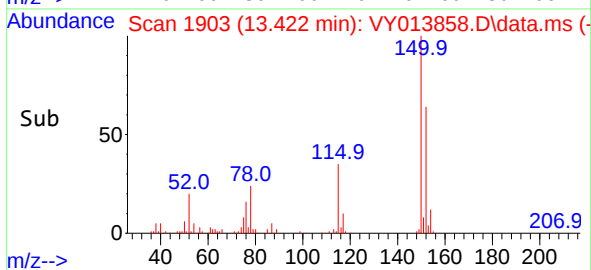
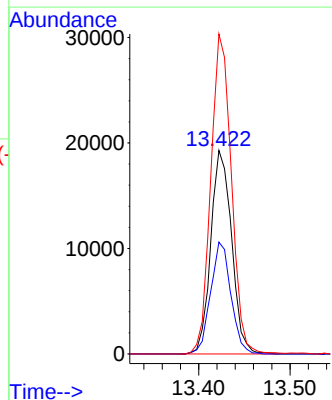
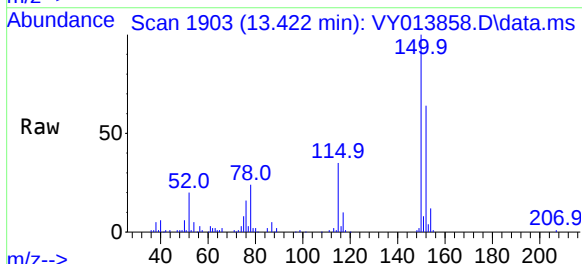
Instrument :
MSVOA_Y
ClientSampleId :
SB13

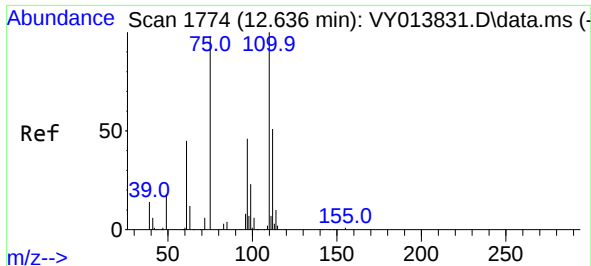
Tgt Ion:	117	Resp:	78048
Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.4
119	33.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Tgt Ion:	152	Resp:	30560
Ion	Ratio	Lower	Upper
152	100		
115	53.6	28.8	86.5
150	155.2	0.0	353.4

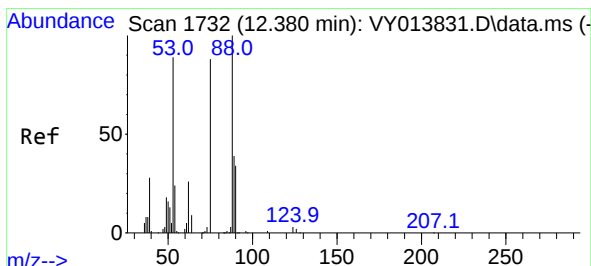
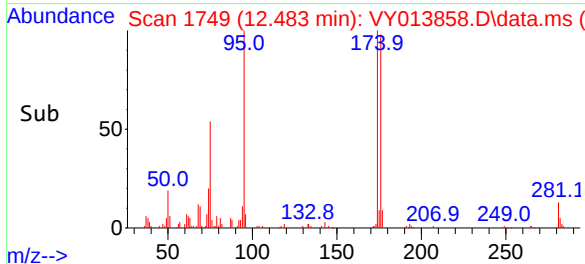
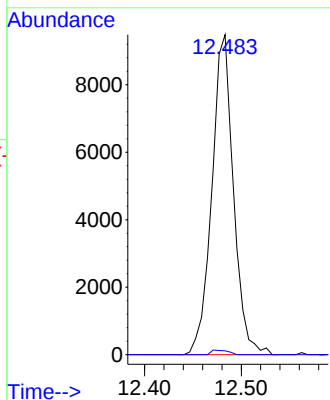
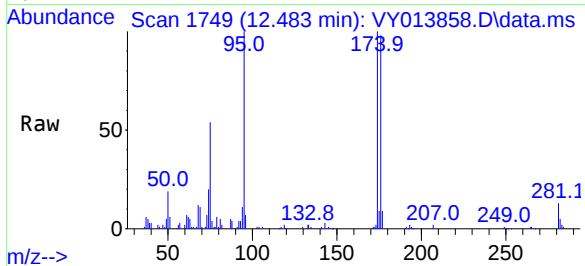




#76
1,2,3-Trichloropropane
Concen: 40.800 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

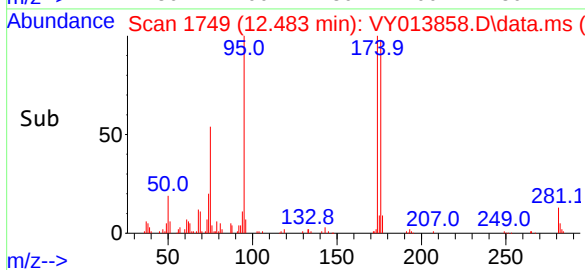
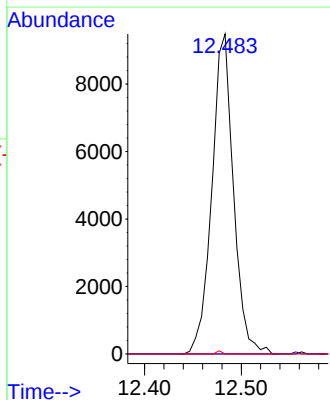
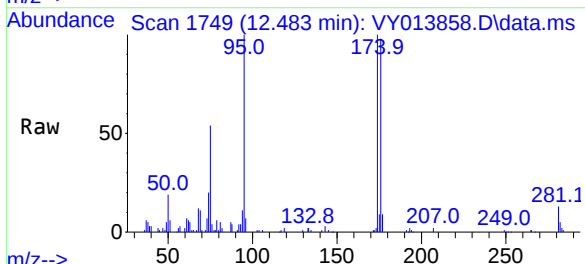
Instrument :
MSVOA_Y
ClientSampleId :
SB13

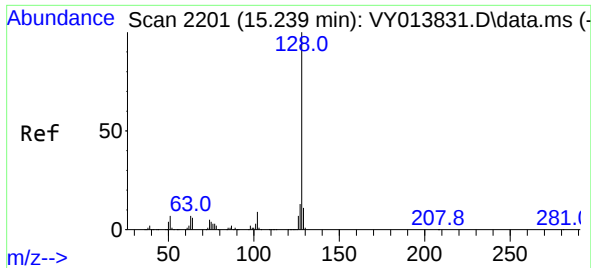
Tgt Ion: 75 Resp: 14702
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Tgt Ion: 75 Resp: 14702
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.2 36.4 54.6#





#95
Naphthalene
Concen: 4.564 ug/l
RT: 15.306 min Scan# 21
Delta R.T. 0.067 min
Lab File: VY013858.D
Acq: 24 May 2023 19:52

Instrument :
MSVOA_Y
ClientSampleId :
SB13

Tgt Ion:	128	Resp:	22
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.4#

