

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013994.D
 Acq On : 02 Jun 2023 16:54
 Operator : KP/MD
 Sample : 03016-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB28

Quant Time: Jun 05 09:44:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

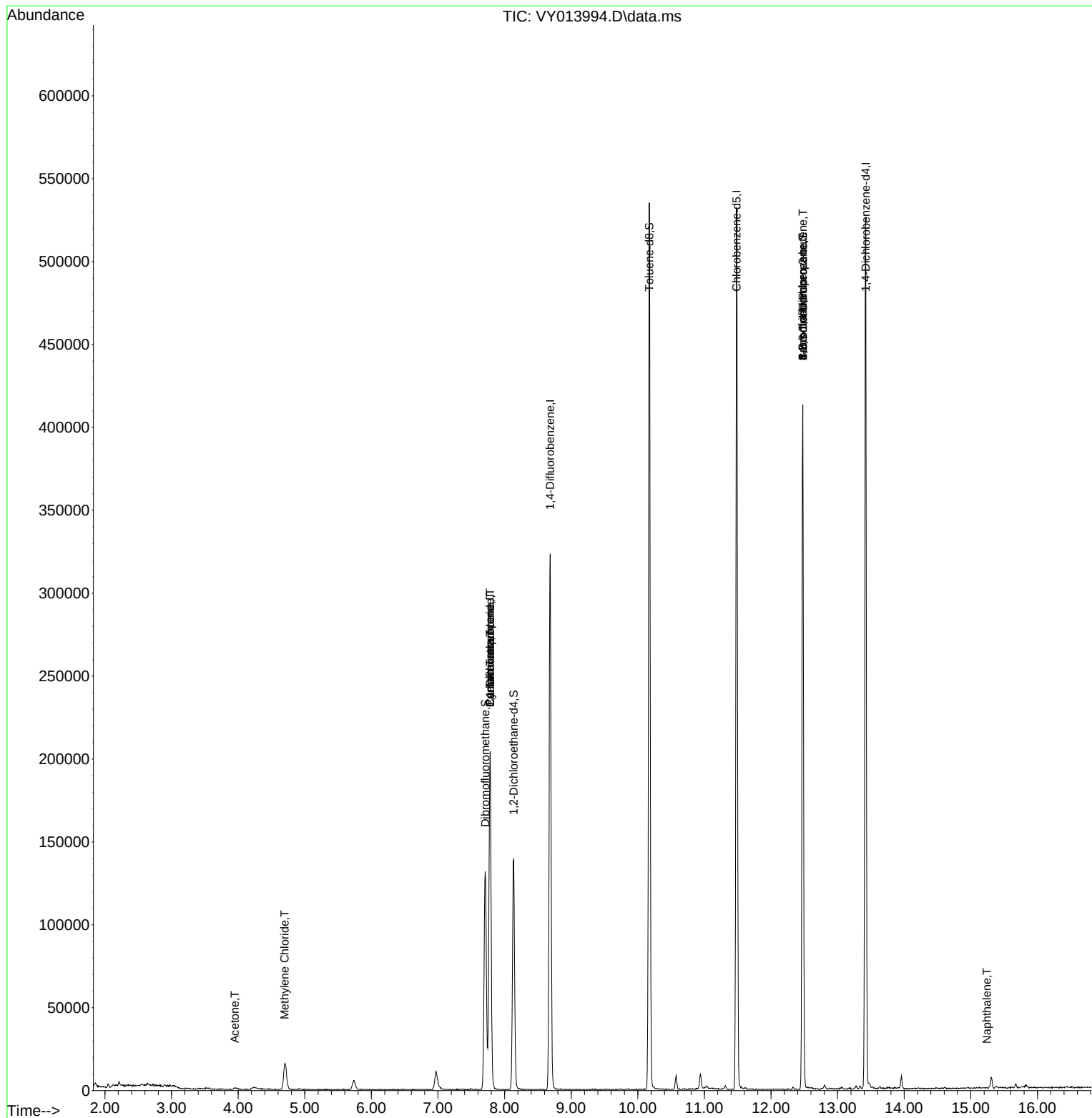
Internal Standards						
1) Pentafluorobenzene	7.783	168	154395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	268415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	275088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113687	55.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.240%
35) Dibromofluoromethane	7.710	113	92594	54.282	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.560%
50) Toluene-d8	10.173	98	339509	52.179	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.360%
62) 4-Bromofluorobenzene	12.477	95	115498	52.067	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.140%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	2062	2.949	ug/l	96
20) Methylene Chloride	4.698	84	11634	2.344	ug/l	96
31) Cyclohexane	7.783	56	3436	1.396	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12705	5.228	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15585	5.723	ug/l #	15
71) Bromoform	12.477	173	1695	1.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	63134	35.026	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63134	74.309	ug/l #	11
95) Naphthalene	15.239	128	233	3.915	ug/l #	69

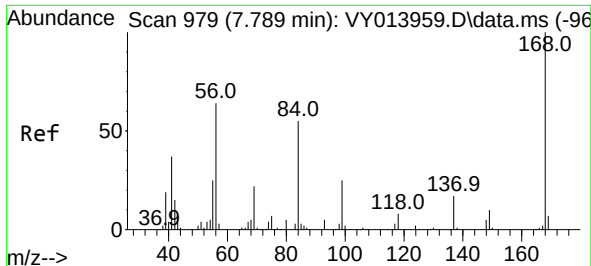
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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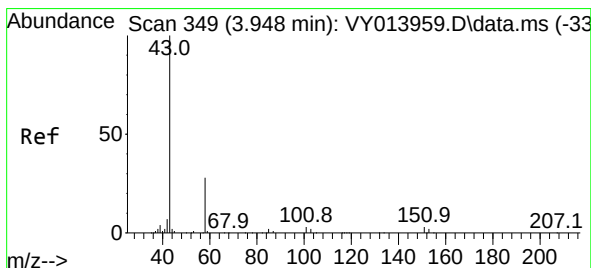
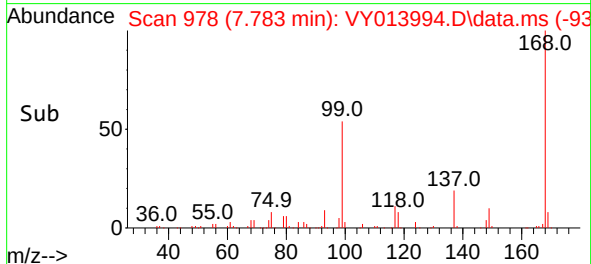
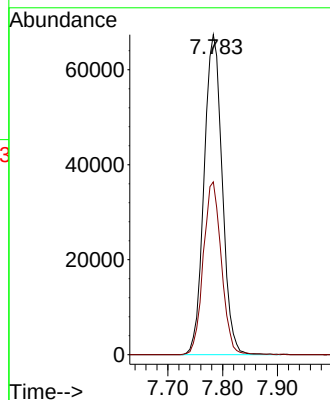
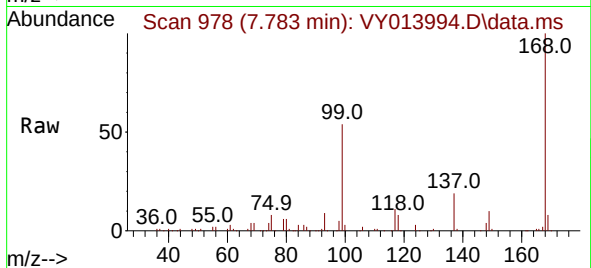




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

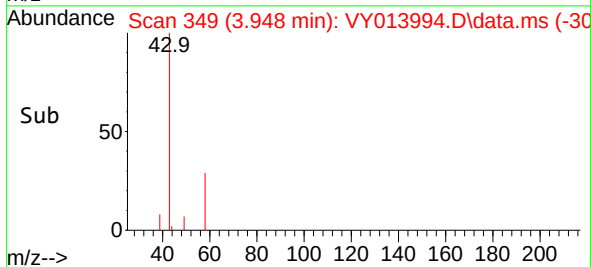
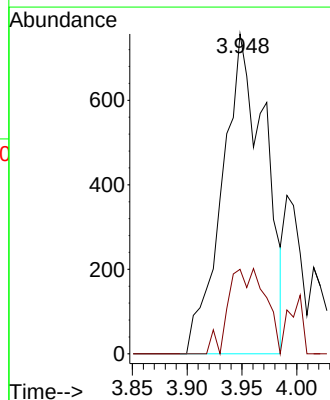
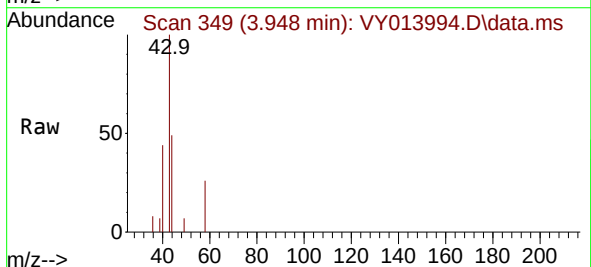
Instrument :
MSVOA_Y
ClientSampleId :
SB28

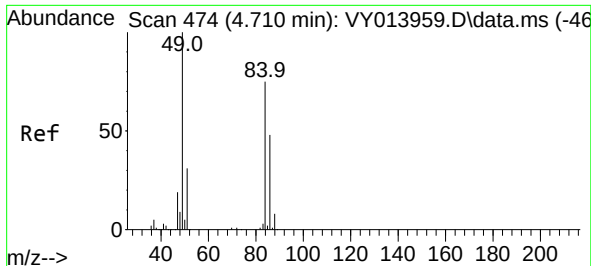
Tgt Ion:168 Resp: 154395
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#16
Acetone
Concen: 2.949 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1

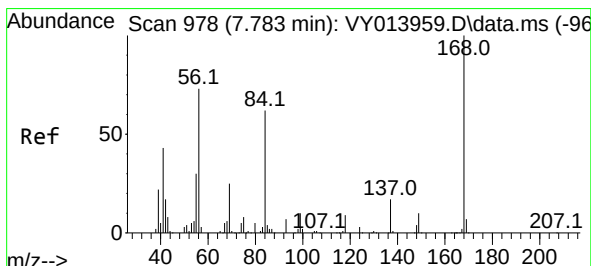
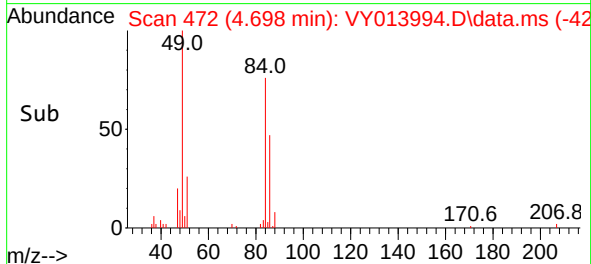
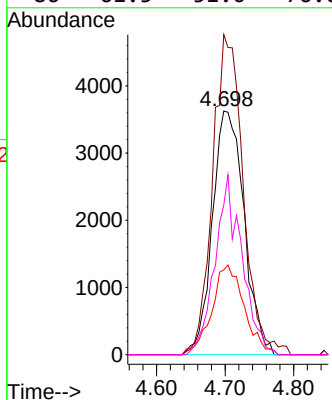
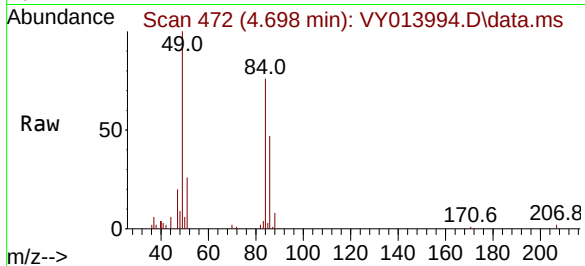




#20
Methylene Chloride
Concen: 2.344 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

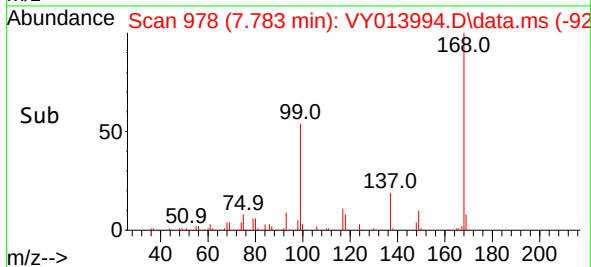
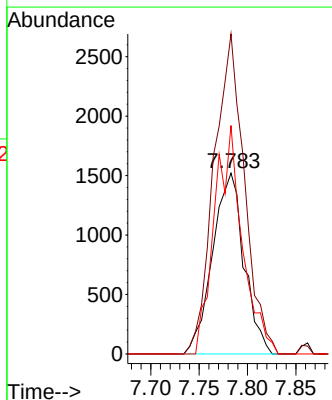
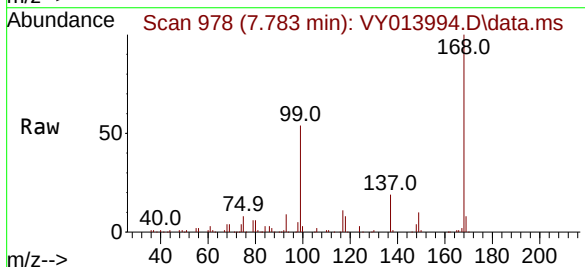
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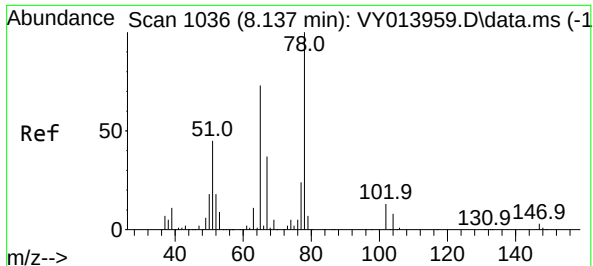
Tgt Ion:	84	Resp:	11634
Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.9	160.3
51	34.8	33.2	49.8
86	61.5	51.0	76.6



#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion:	56	Resp:	3436
Ion	Ratio	Lower	Upper
56	100		
69	176.9	27.8	41.6#
84	126.4	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.625 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013994.D

Acq: 02 Jun 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

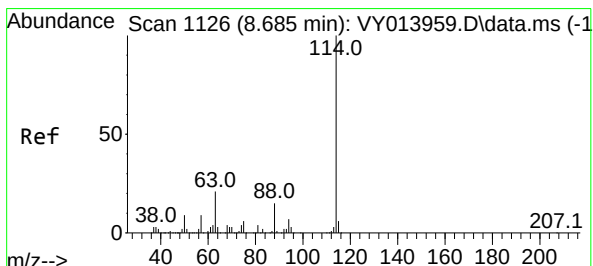
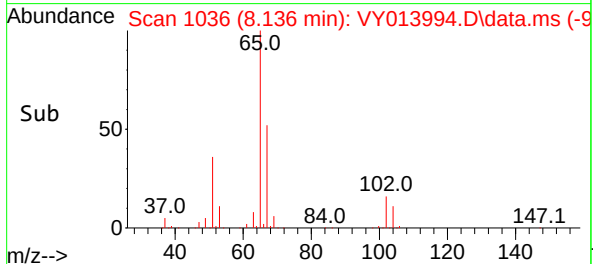
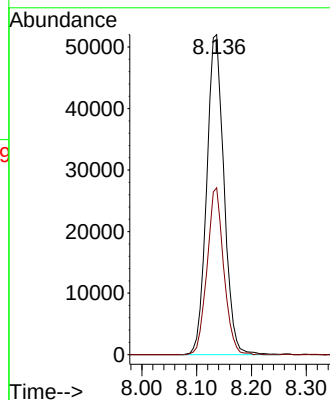
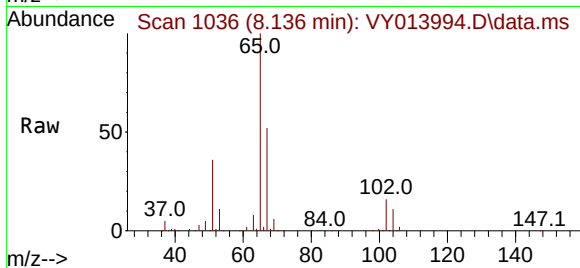
SB28

Tgt Ion: 65 Resp: 113687

Ion Ratio Lower Upper

65 100

67 50.3 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: VY013994.D

Acq: 02 Jun 2023 16:54

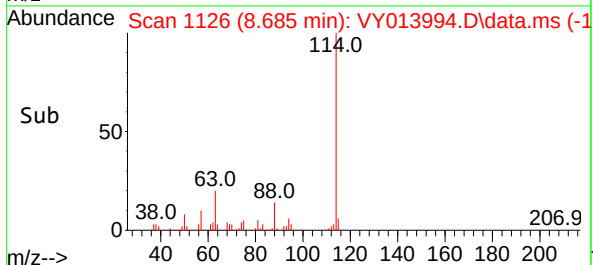
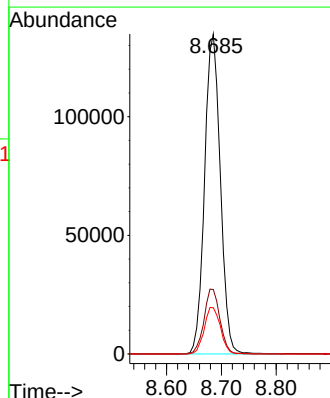
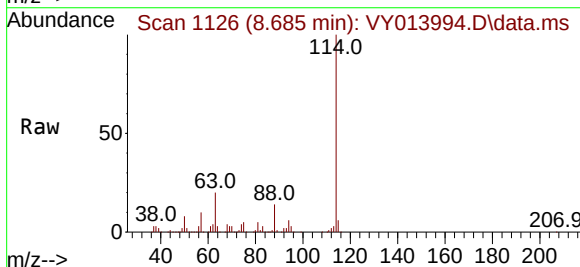
Tgt Ion:114 Resp: 268415

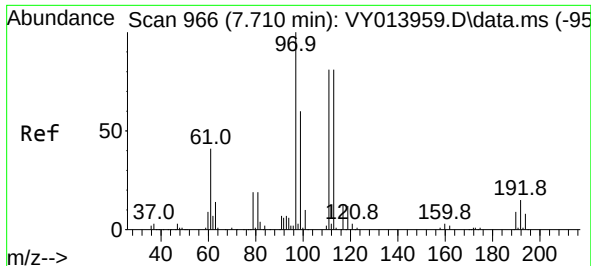
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.5 0.0 30.6

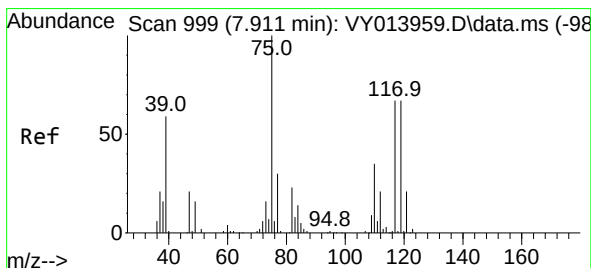
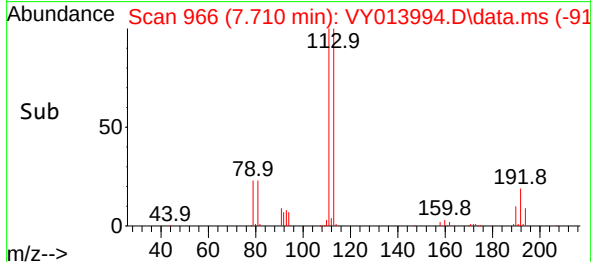
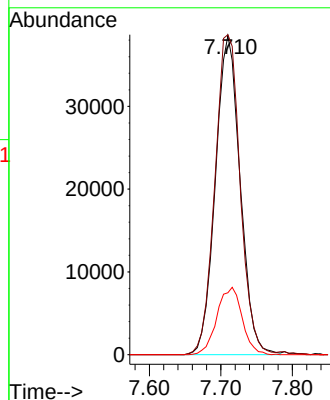
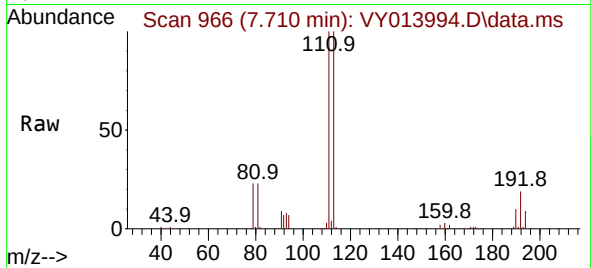




#35
Dibromofluoromethane
Concen: 54.282 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

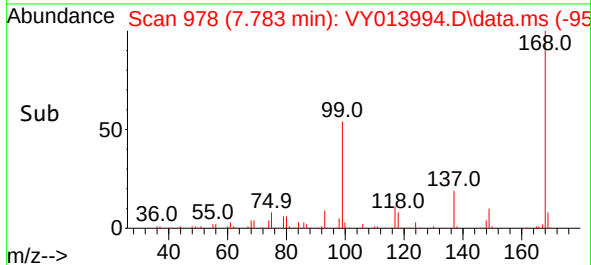
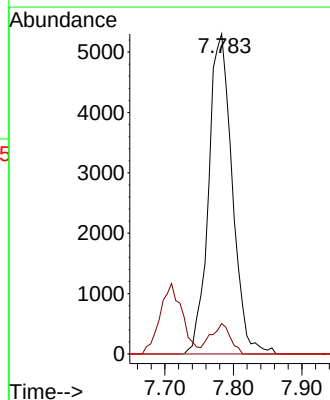
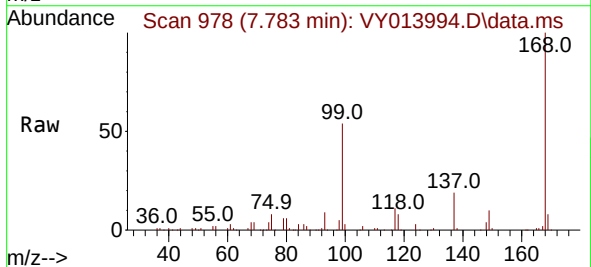
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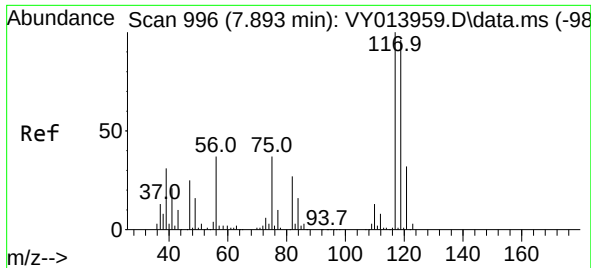
Tgt Ion:113 Resp: 92594
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion: 75 Resp: 12705
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 24.4 36.6#

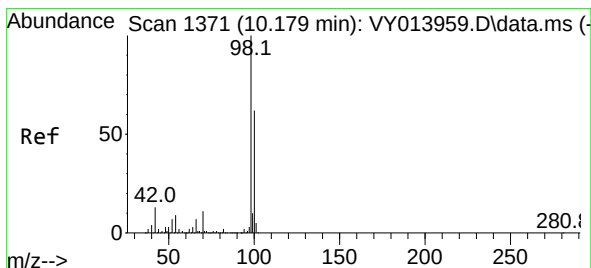
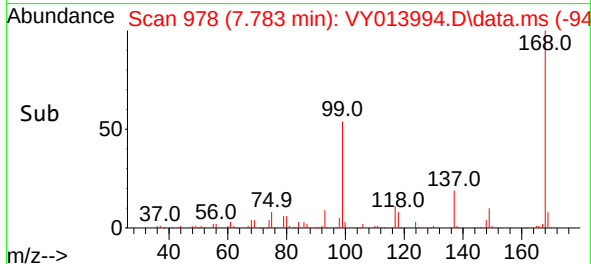
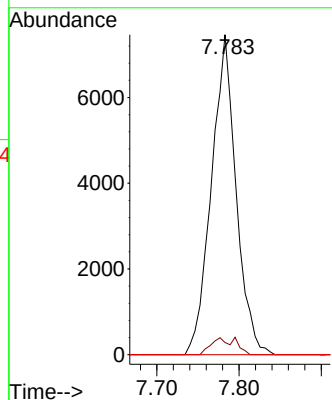
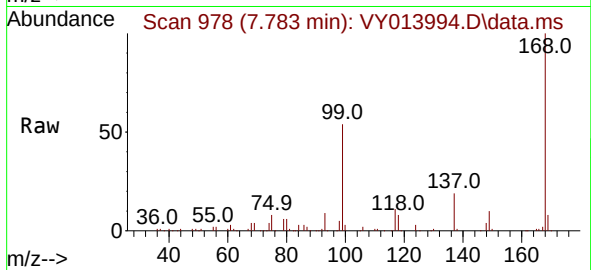




#38
Carbon Tetrachloride
Concen: 5.723 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

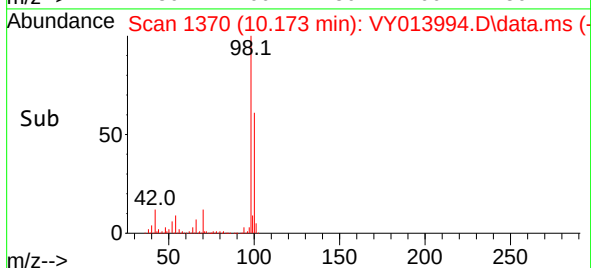
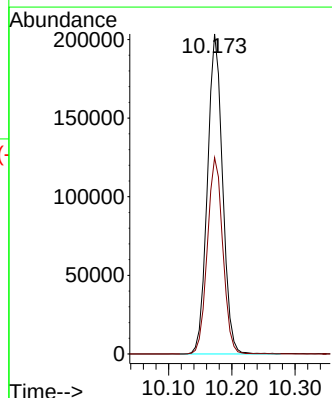
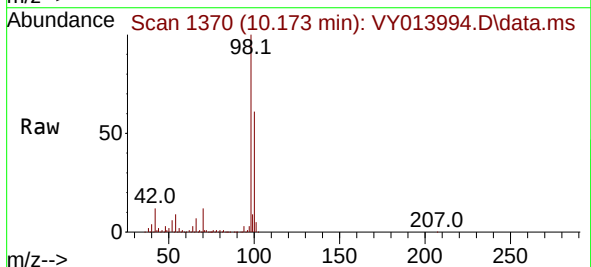
Instrument :
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ClientSampleId :
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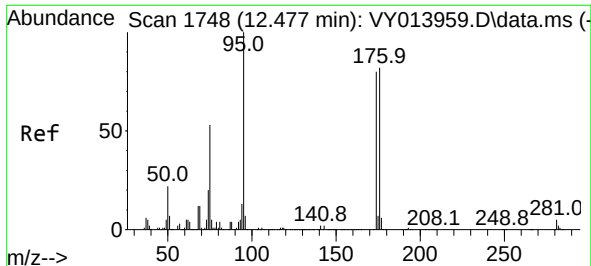
Tgt Ion:117 Resp: 15585
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 52.179 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion: 98 Resp: 339509
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1

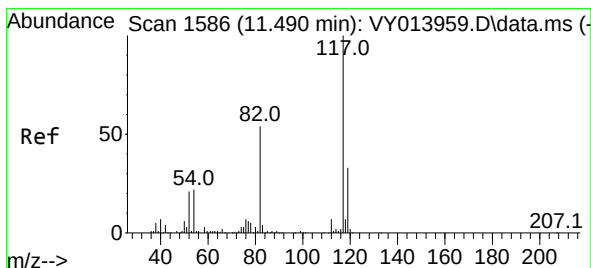
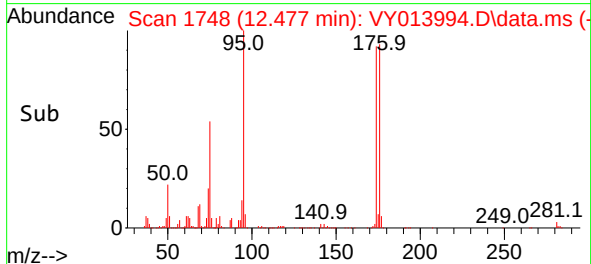
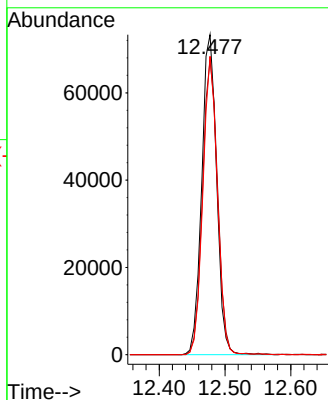
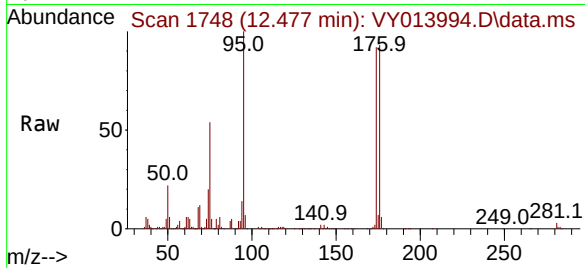




#62
4-Bromofluorobenzene
Concen: 52.067 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

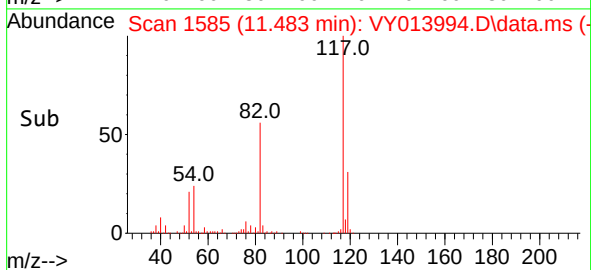
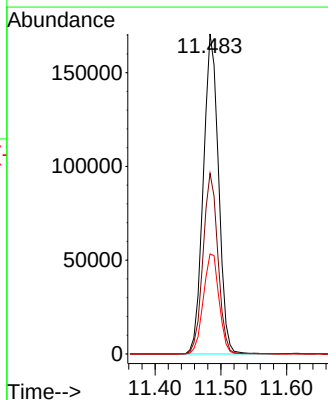
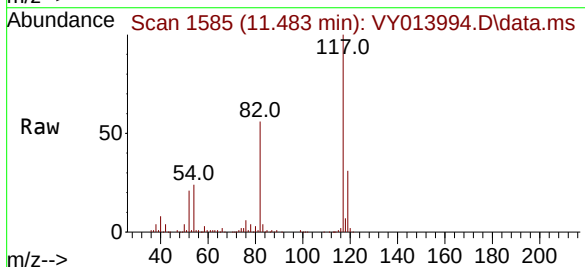
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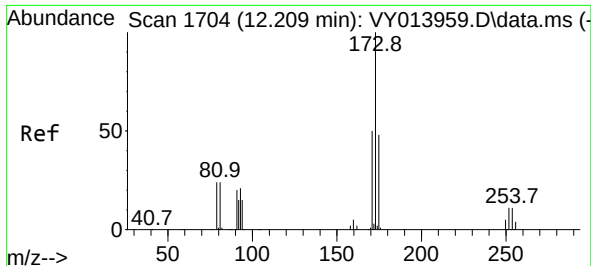
Tgt Ion: 95 Resp: 115498
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 91.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion: 117 Resp: 275088
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 31.2 26.3 39.5

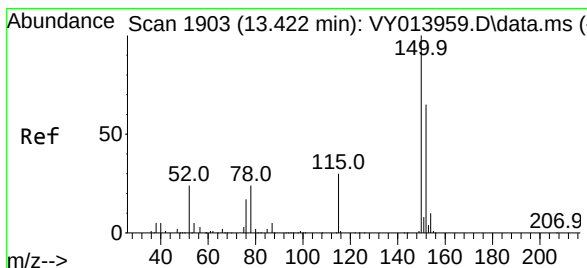
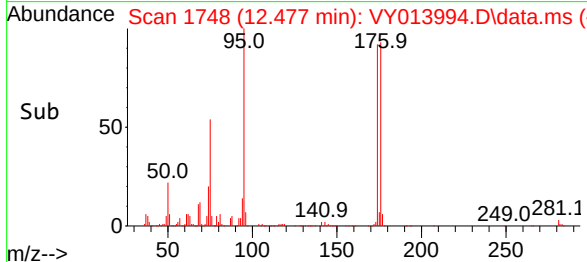
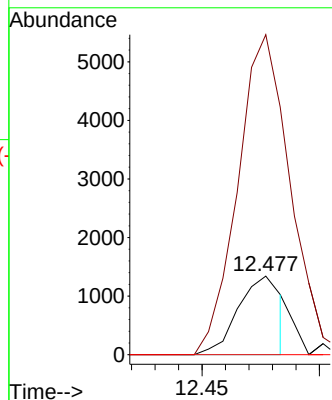
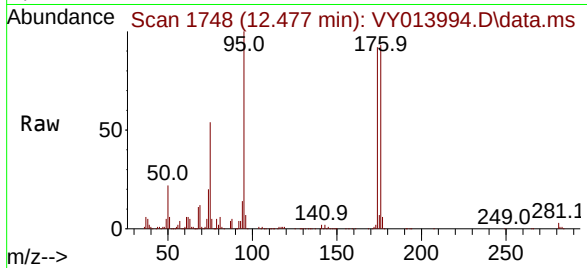




#71
Bromoform
Concen: 1.046 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

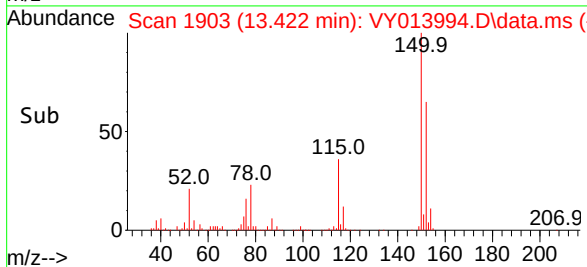
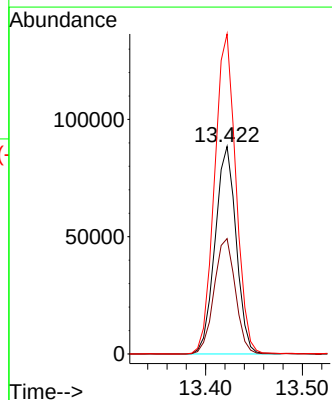
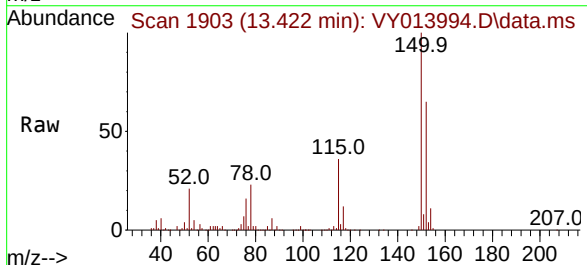
Instrument :
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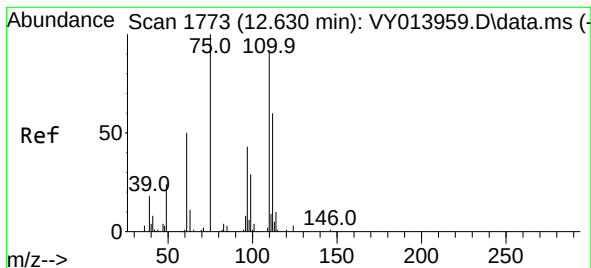
Tgt Ion:173 Resp: 1695
Ion Ratio Lower Upper
173 100
175 411.5 24.6 73.8#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Tgt Ion:152 Resp: 133944
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 156.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 35.026 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013994.D

Acq: 02 Jun 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

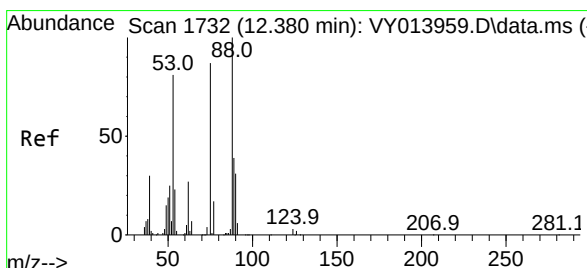
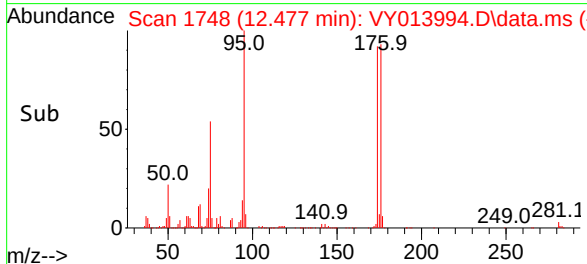
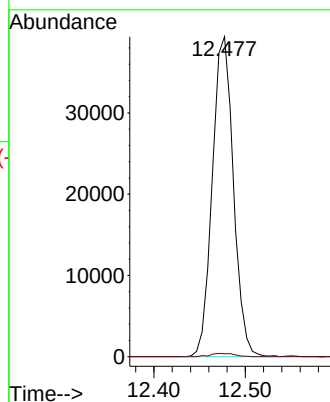
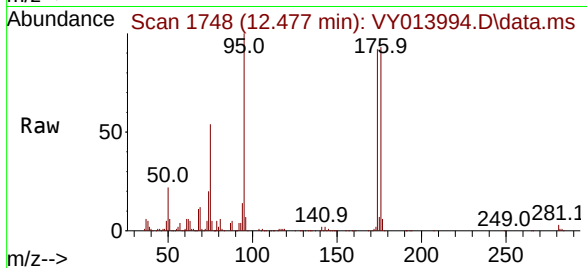
SB28

Tgt Ion: 75 Resp: 63134

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.309 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY013994.D

Acq: 02 Jun 2023 16:54

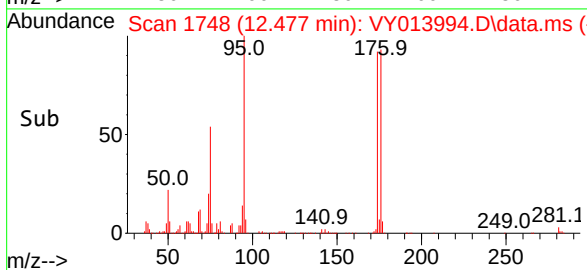
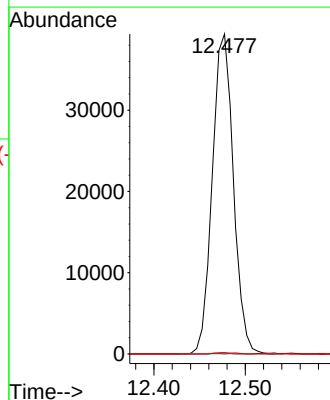
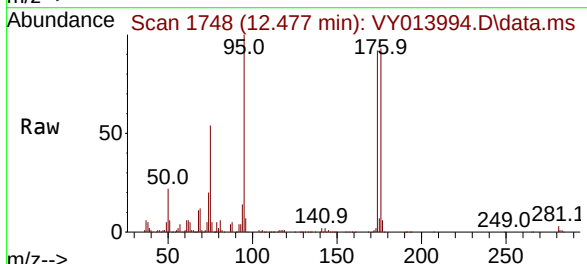
Tgt Ion: 75 Resp: 63134

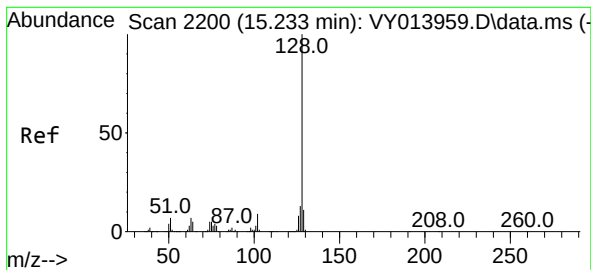
Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 3.915 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013994.D
Acq: 02 Jun 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
SB28

Tgt Ion:128 Resp: 233
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

