

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013900.D
 Acq On : 26 May 2023 17:57
 Operator : KP/MD
 Sample : 02945-06
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB23

Quant Time: May 29 04:35:25 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)

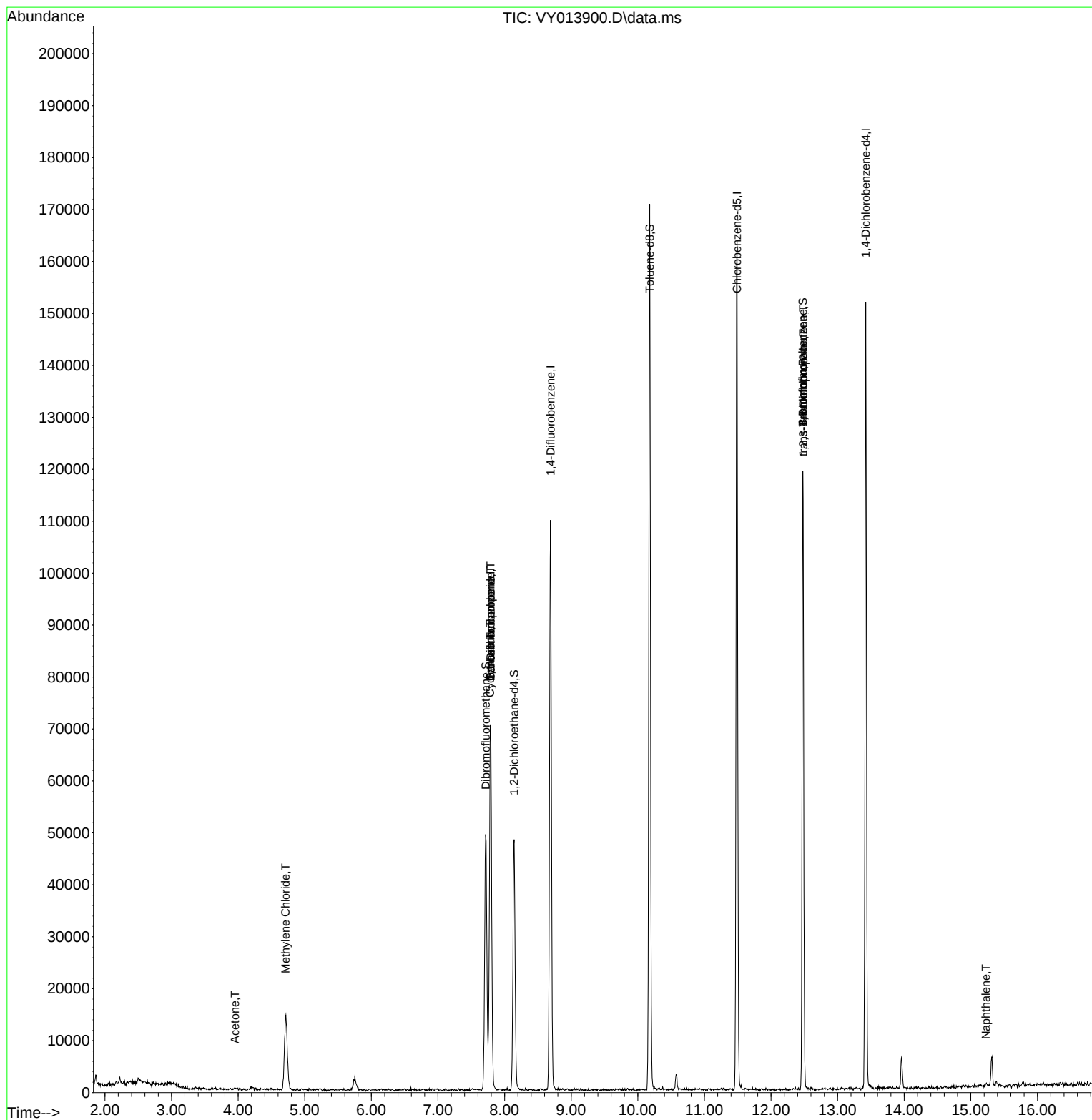
Internal Standards						
1) Pentafluorobenzene	7.789	168	55921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	89435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	37236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40457	62.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.060%	
35) Dibromofluoromethane	7.716	113	32891	56.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.080%	
50) Toluene-d8	10.179	98	110685	50.059	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.477	95	33704	45.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	473	2.463	ug/l #	88
20) Methylene Chloride	4.710	84	10202	13.111	ug/l	90
31) Cyclohexane	7.783	56	1476	1.485	ug/l #	5
36) 1,1-Dichloropropene	7.789	75	4139	4.671	ug/l #	48
38) Carbon Tetrachloride	7.789	117	5485	5.443	ug/l #	20
71) Bromoform	12.477	173	500	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	18495	42.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18495	91.438	ug/l #	10
95) Naphthalene	15.227	128	528	4.851	ug/l #	74

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

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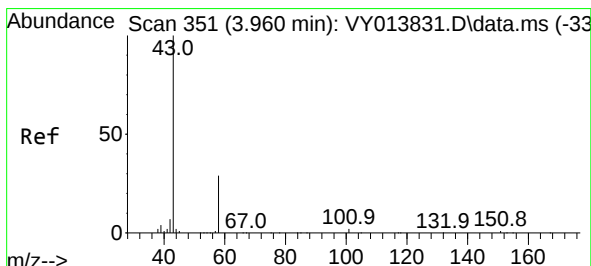
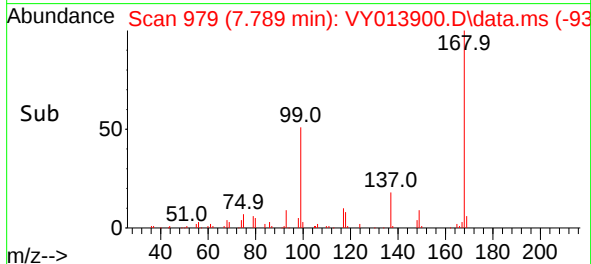
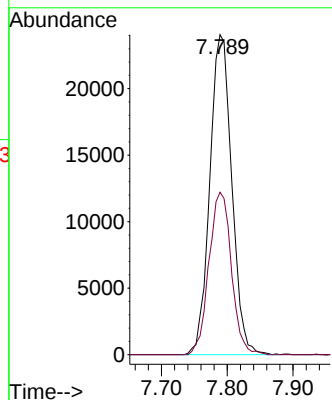
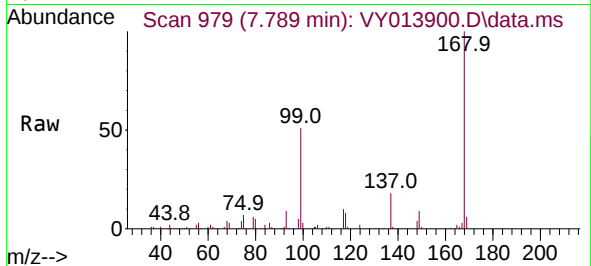




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

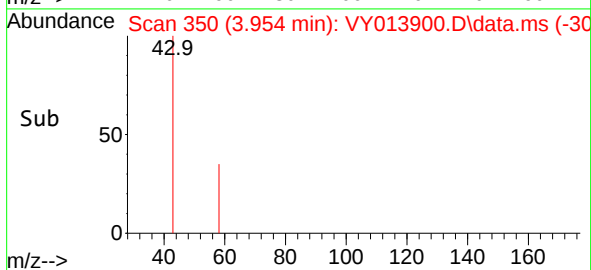
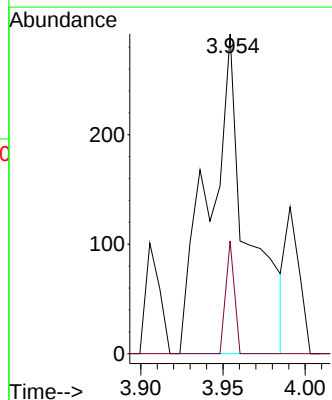
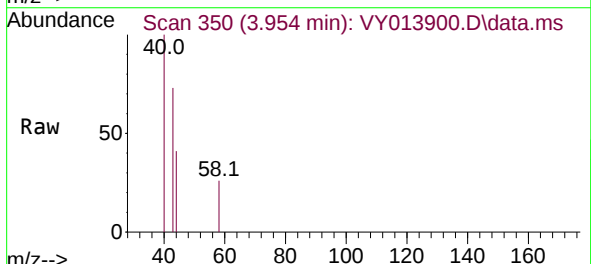
Instrument :
MSVOA_Y
ClientSampleId :
SB23

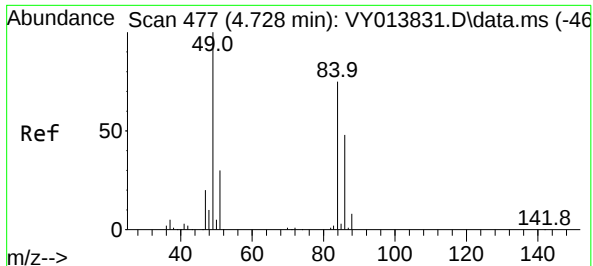
Tgt Ion:168 Resp: 55921
Ion Ratio Lower Upper
168 100
99 50.8 43.4 65.2



#16
Acetone
Concen: 2.463 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 35.3 23.3 34.9#

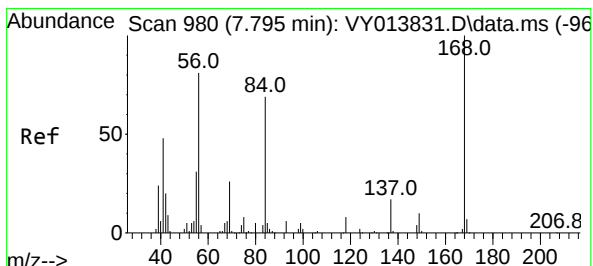
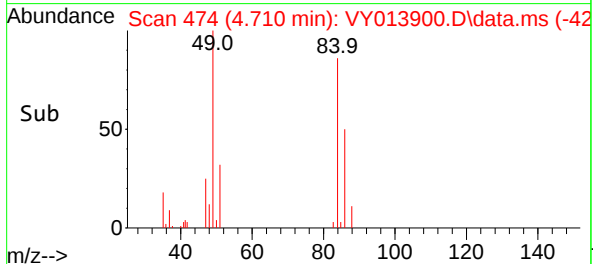
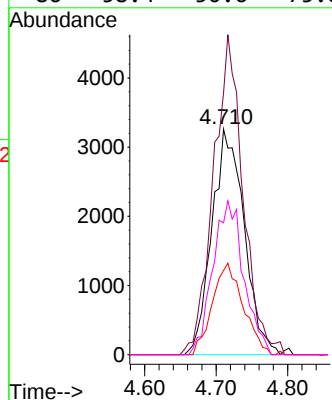
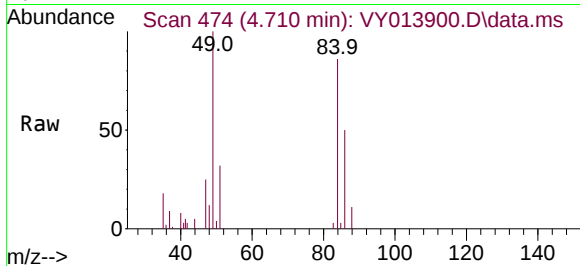




#20
Methylene Chloride
Concen: 13.111 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

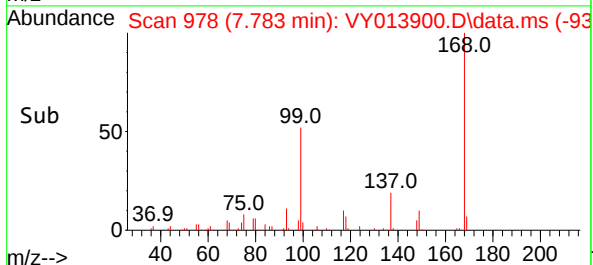
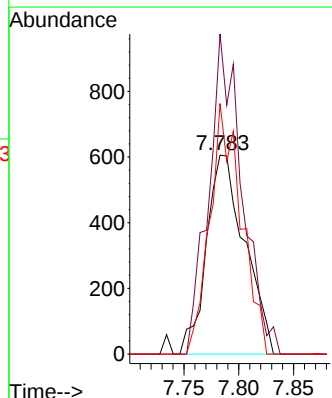
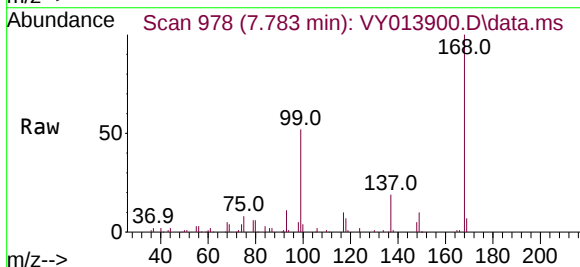
Instrument :
MSVOA_Y
ClientSampleId :
SB23

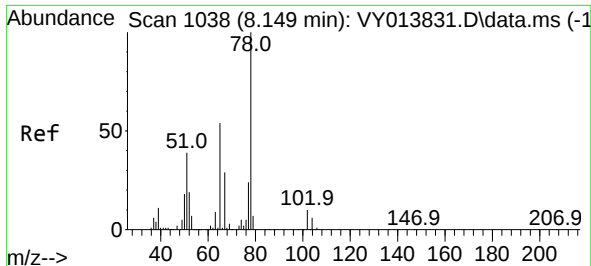
Tgt Ion:	84	Resp:	10202
Ion	Ratio	Lower	Upper
84	100		
49	116.0	106.2	159.2
51	37.3	31.4	47.0
86	58.4	50.6	75.8



#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.012 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Tgt Ion:	56	Resp:	1476
Ion	Ratio	Lower	Upper
56	100		
69	160.9	25.8	38.8#
84	125.9	68.2	102.2#





#33

1,2-Dichloroethane-d4

Concen: 62.535 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013900.D

Acq: 26 May 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

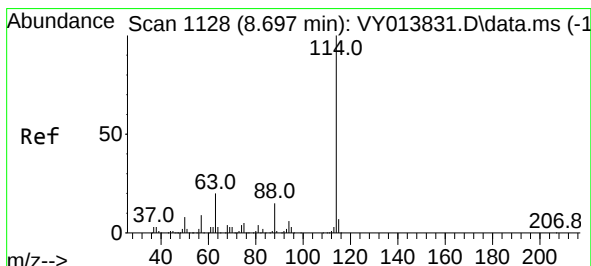
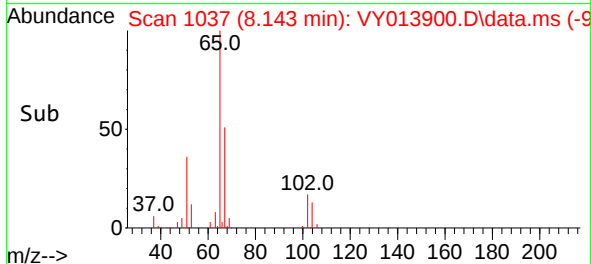
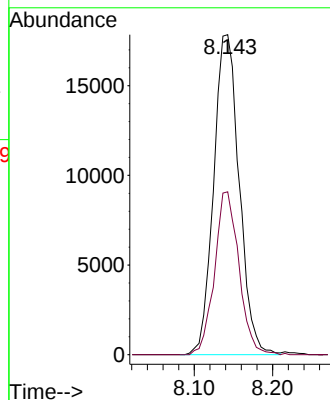
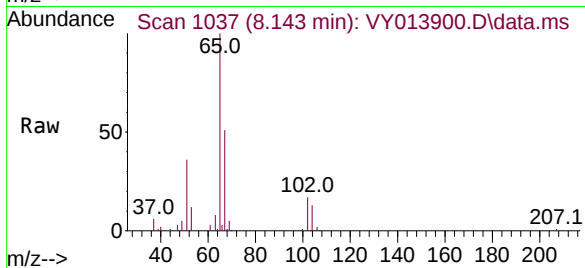
SB23

Tgt Ion: 65 Resp: 40457

Ion Ratio Lower Upper

65 100

67 48.6 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: VY013900.D

Acq: 26 May 2023 17:57

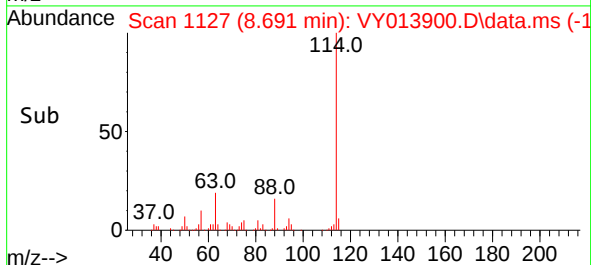
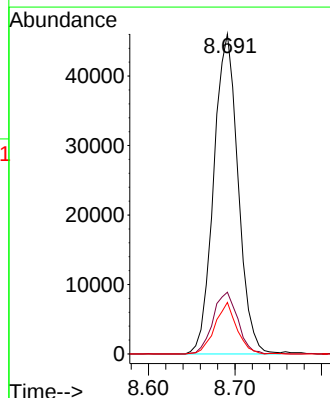
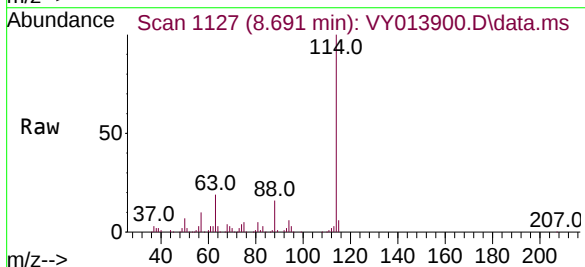
Tgt Ion: 114 Resp: 90083

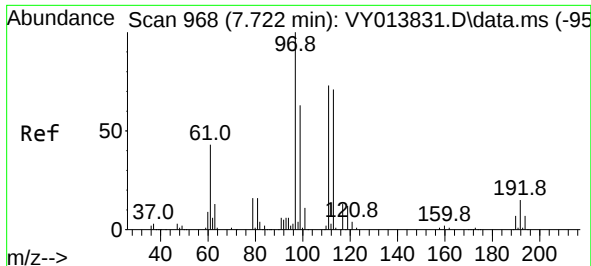
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.2

88 16.1 0.0 30.0

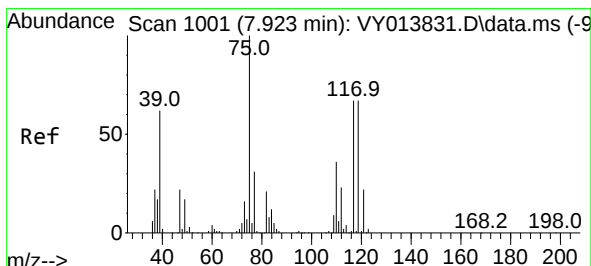
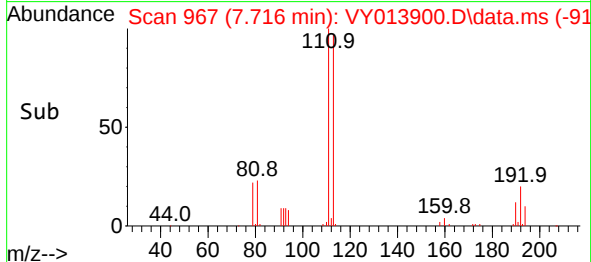
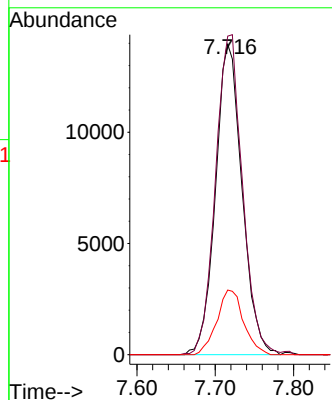
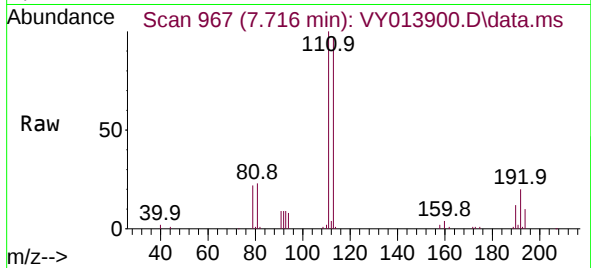




#35
Dibromofluoromethane
Concen: 56.537 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

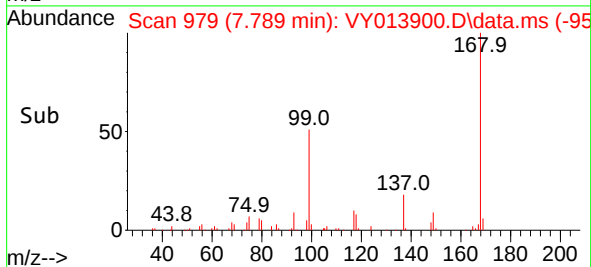
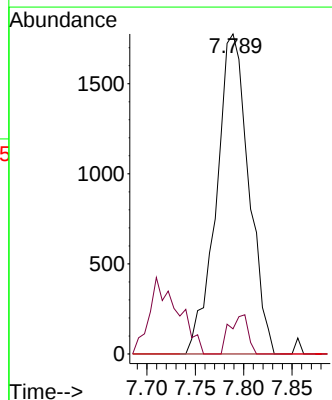
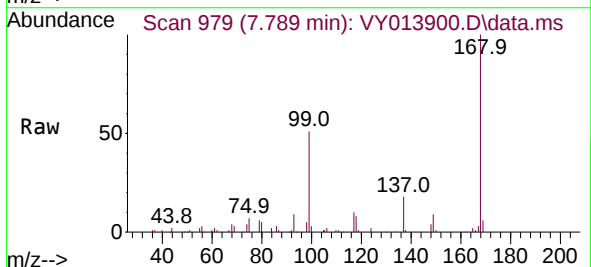
Instrument :
MSVOA_Y
ClientSampleId :
SB23

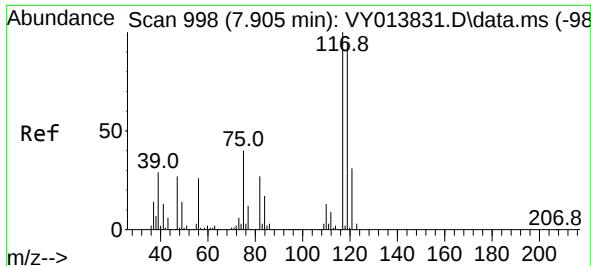
Tgt Ion:113 Resp: 32891
Ion Ratio Lower Upper
113 100
111 104.9 80.4 120.6
192 21.0 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.671 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Tgt Ion: 75 Resp: 4139
Ion Ratio Lower Upper
75 100
110 7.0 17.5 52.6#
77 0.0 24.4 36.6#

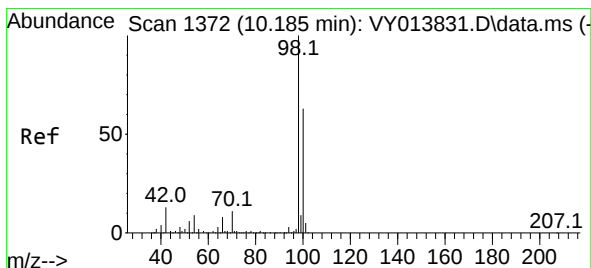
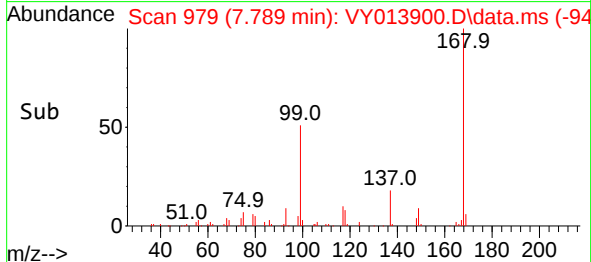
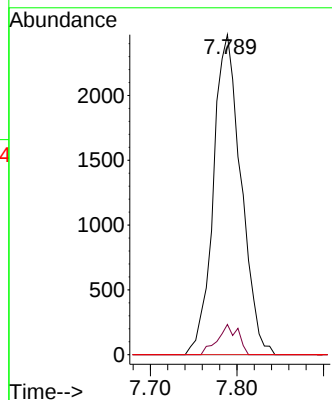
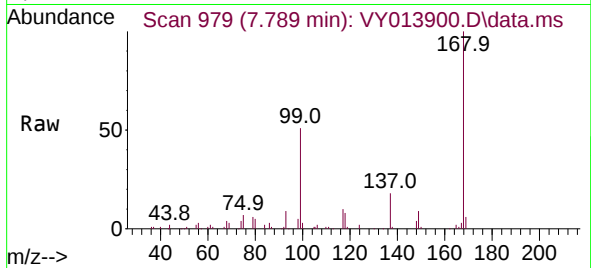




#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

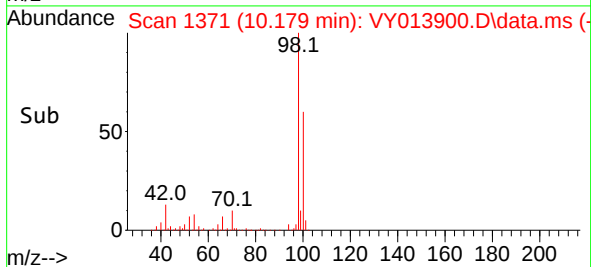
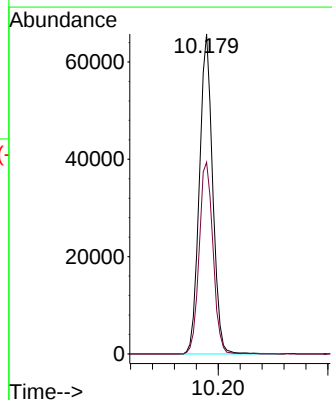
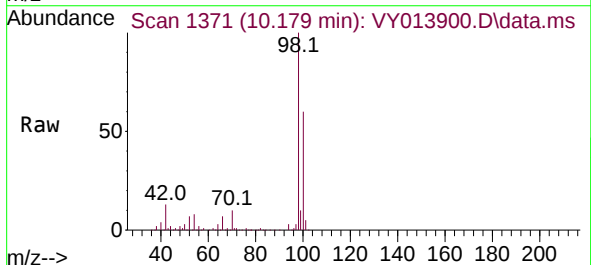
Instrument :
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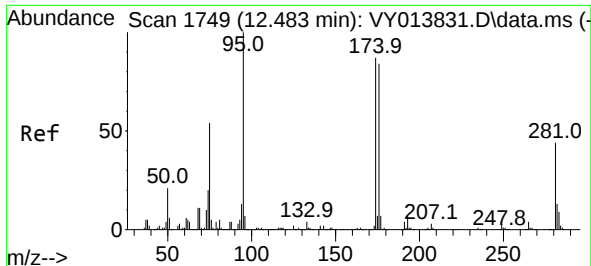
Tgt Ion:117 Resp: 5485
Ion Ratio Lower Upper
117 100
119 9.4 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.059 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Tgt Ion: 98 Resp: 110685
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 45.858 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013900.D

Acq: 26 May 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

SB23

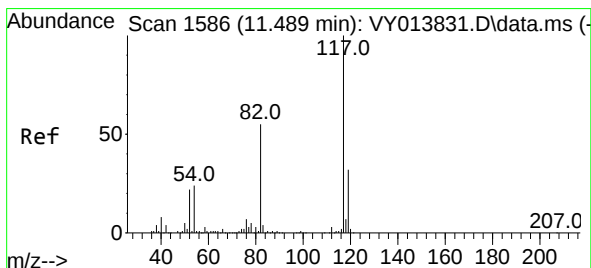
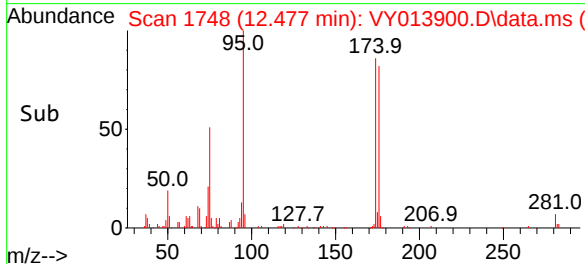
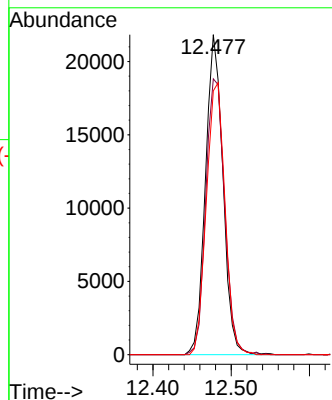
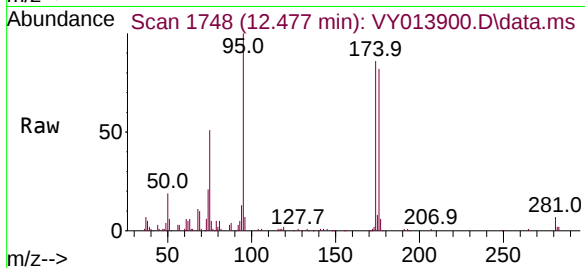
Tgt Ion: 95 Resp: 33704

Ion Ratio Lower Upper

95 100

174 93.1 0.0 176.0

176 90.6 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013900.D

Acq: 26 May 2023 17:57

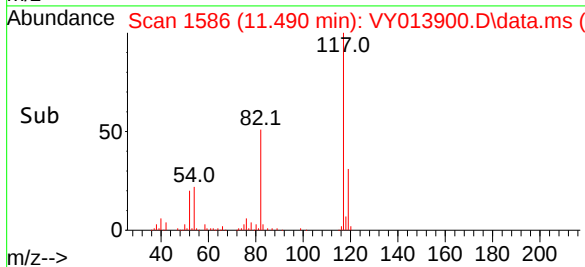
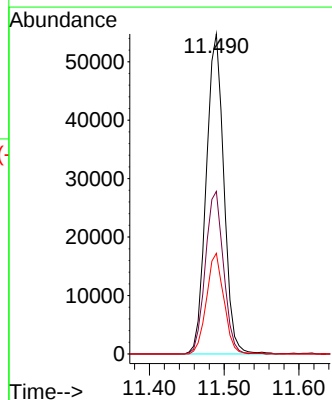
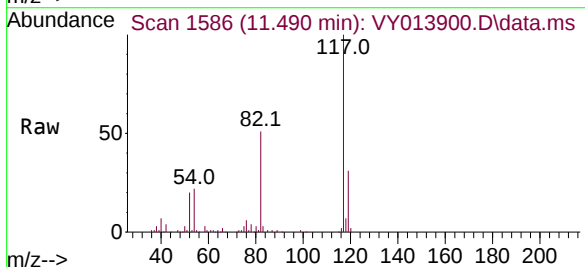
Tgt Ion: 117 Resp: 89435

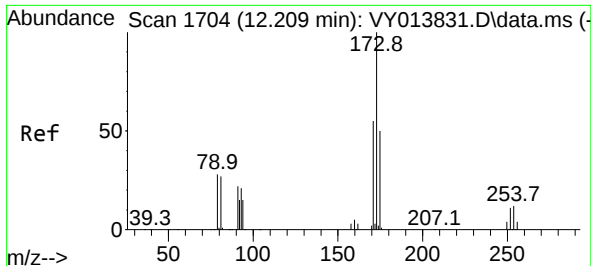
Ion Ratio Lower Upper

117 100

82 50.8 44.2 66.4

119 31.4 25.7 38.5

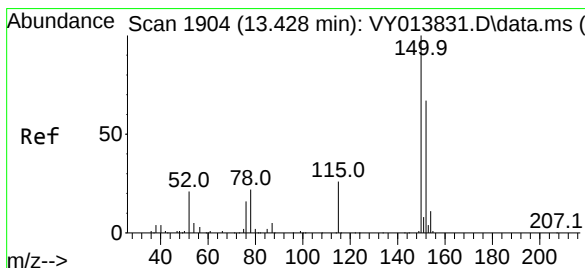
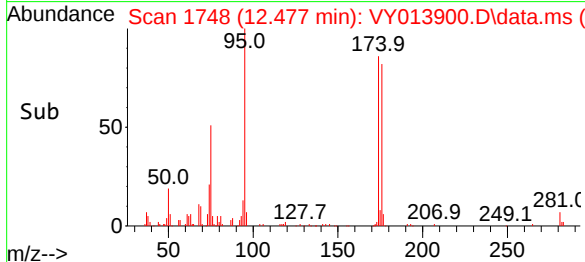
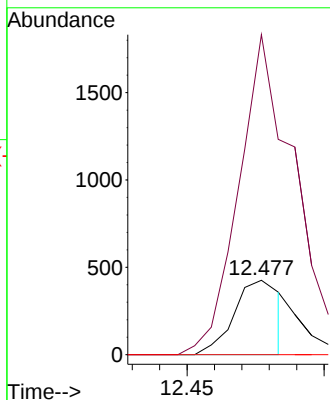
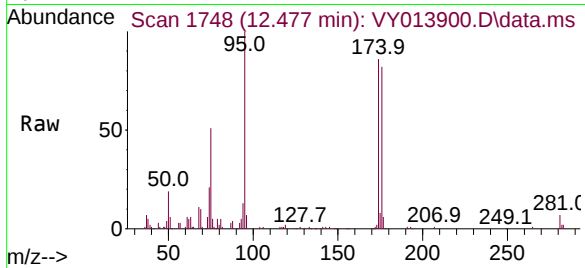




#71
Bromoform
Concen: 1.057 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

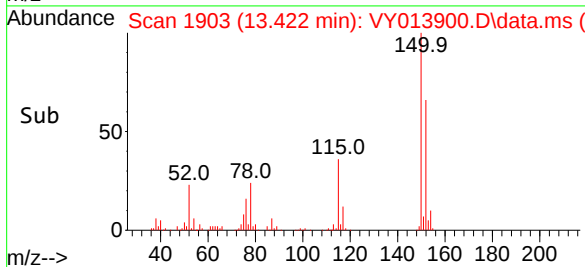
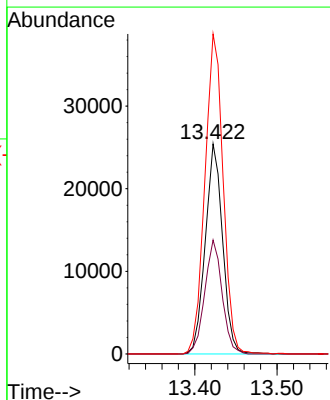
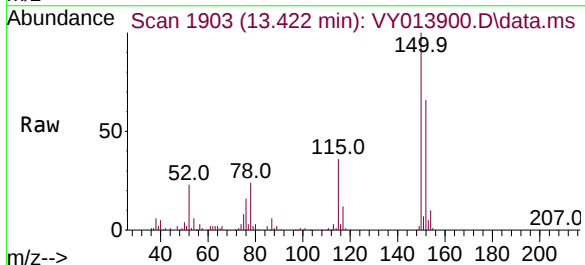
Instrument :
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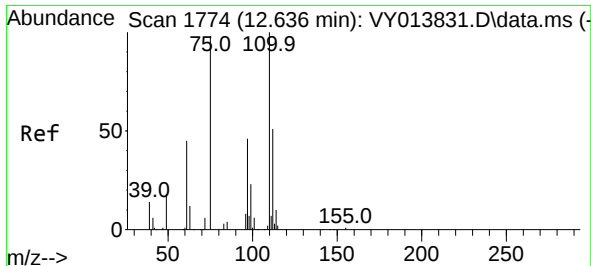
Tgt Ion:173 Resp: 500
Ion Ratio Lower Upper
173 100
175 368.6 25.1 75.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Tgt Ion:152 Resp: 37236
Ion Ratio Lower Upper
152 100
115 54.2 28.8 86.5
150 160.1 0.0 353.4

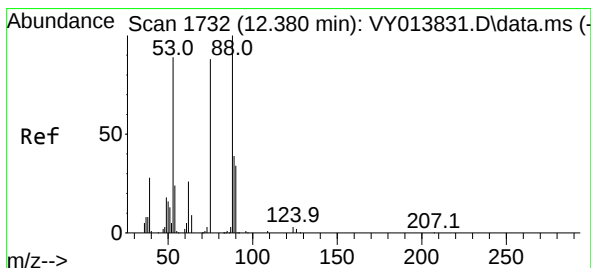
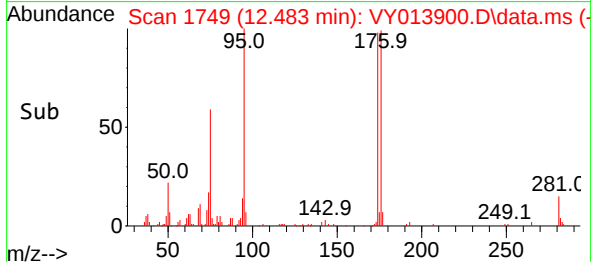
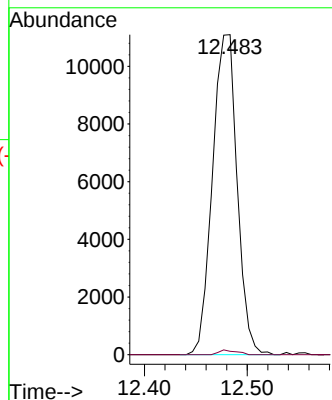
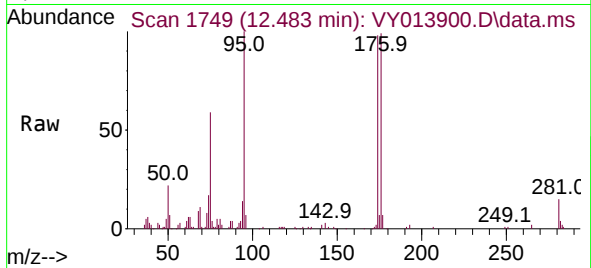




#76
1,2,3-Trichloropropane
Concen: 42.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

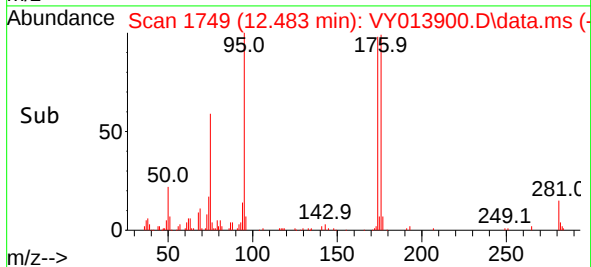
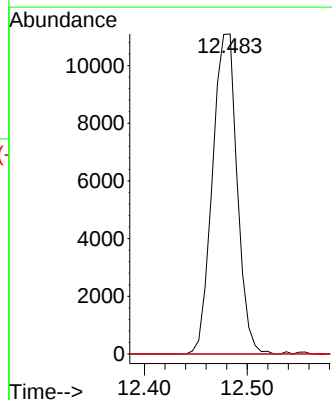
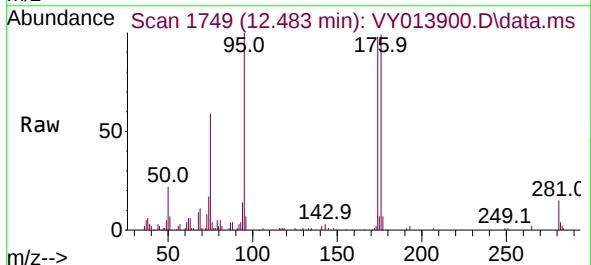
Instrument :
MSVOA_Y
ClientSampleId :
SB23

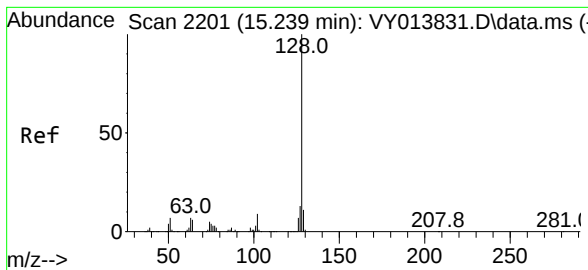
Tgt Ion: 75 Resp: 18495
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.438 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

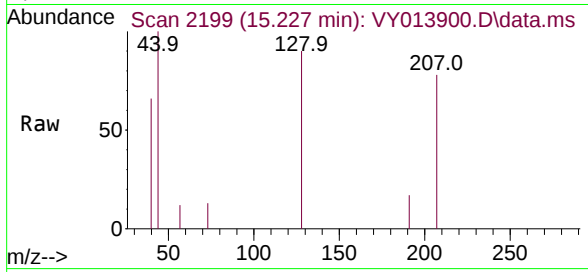
Tgt Ion: 75 Resp: 18495
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.851 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY013900.D
Acq: 26 May 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :
SB23



Tgt Ion:	128	Resp:	528
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	4.5	9.0	13.4#

