

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
 Data File : VY012915.D
 Acq On : 10 Mar 2023 12:57
 Operator : KP/MD
 Sample : 01834-02RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 05:48:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

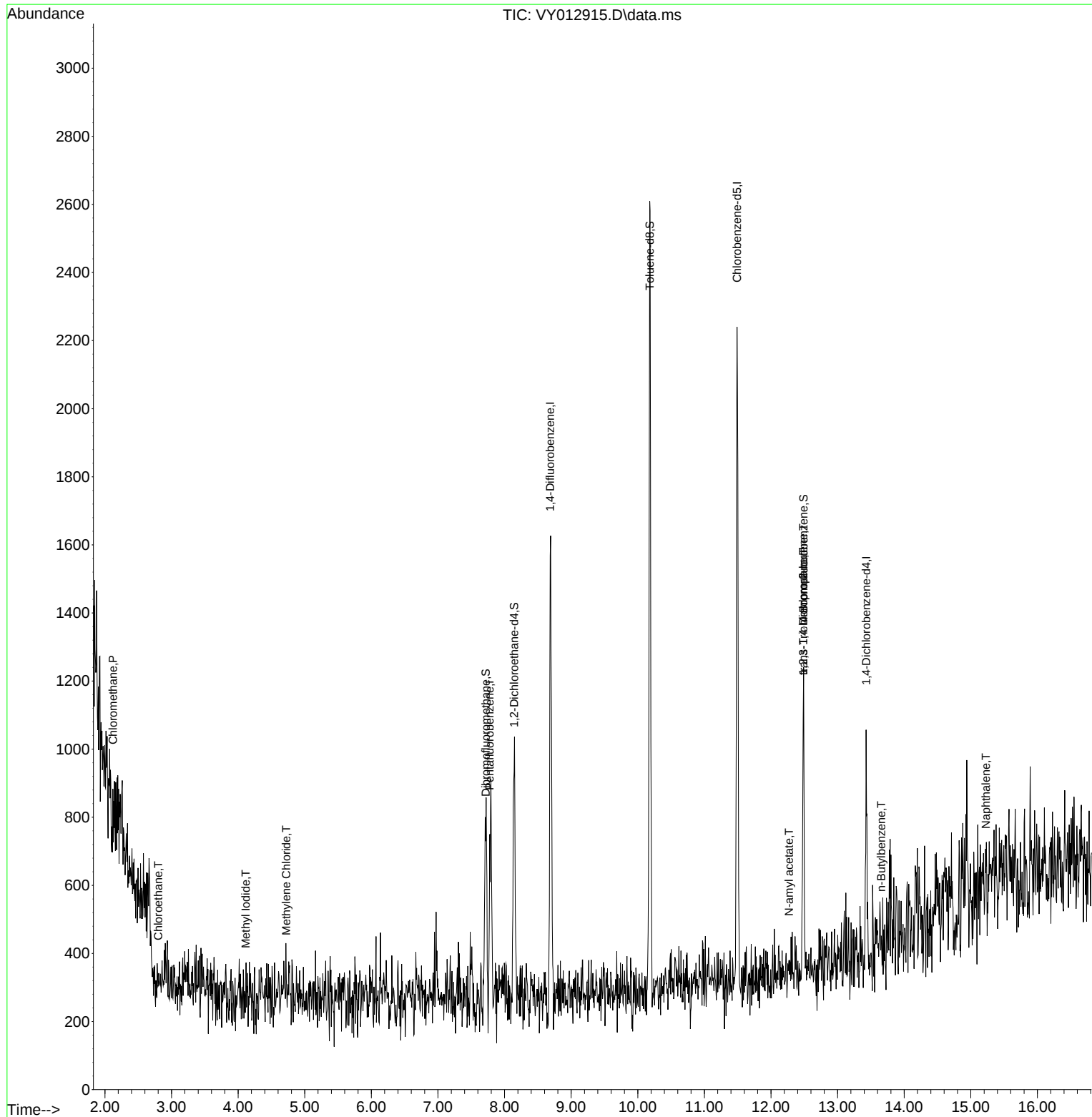
Internal Standards						
1) Pentafluorobenzene	7.777	168	417	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	1564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	753	181.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	363.740%#
35) Dibromofluoromethane	7.716	113	510	54.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.060%
50) Toluene-d8	10.179	98	1692	49.035	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.489	95	404	34.688	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	50	10.176	ug/l #	42
6) Chloroethane	2.802	64	26	9.635	ug/l #	43
10) Methyl Iodide	4.113	142	39	6.648	ug/l #	40
20) Methylene Chloride	4.723	84	56	6.632	ug/l #	19
74) N-amyl acetate	12.270	43	20	4.133	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	174	67.147	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	174	139.131	ug/l #	13
89) n-Butylbenzene	13.654	91	23	1.759	ug/l #	33
95) Naphthalene	15.227	128	20	2.489	ug/l #	69

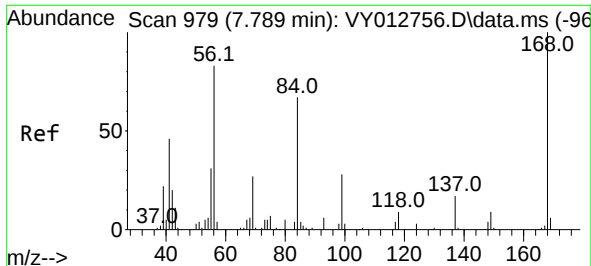
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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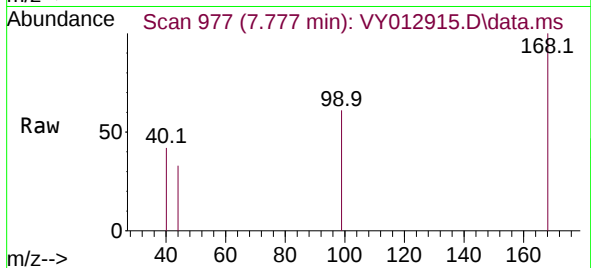
Quant Time: Mar 11 05:48:28 2023
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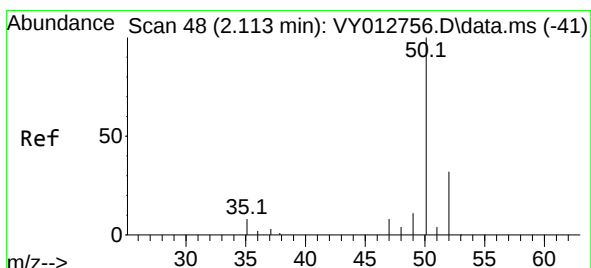
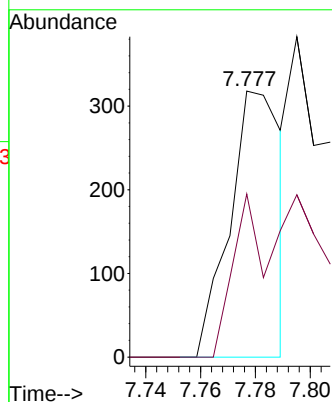
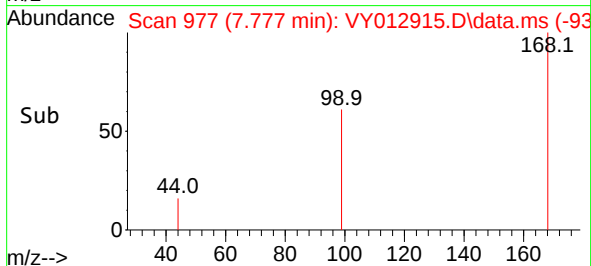


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

Instrument :
MSVOA_Y
ClientSampleId :

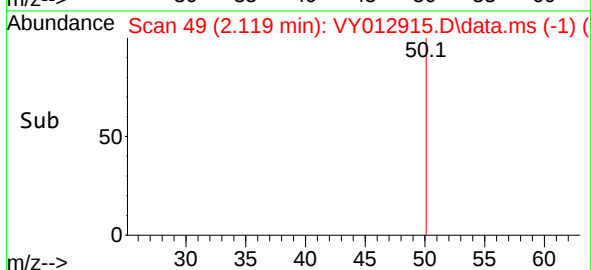
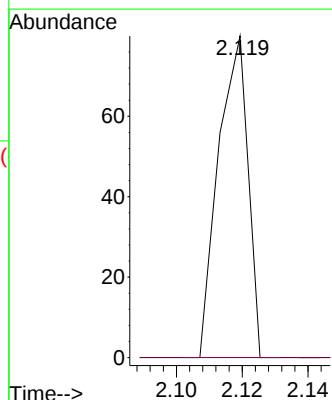
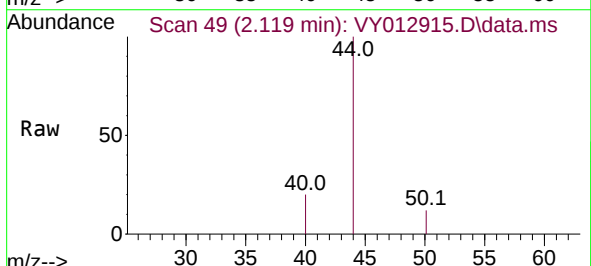


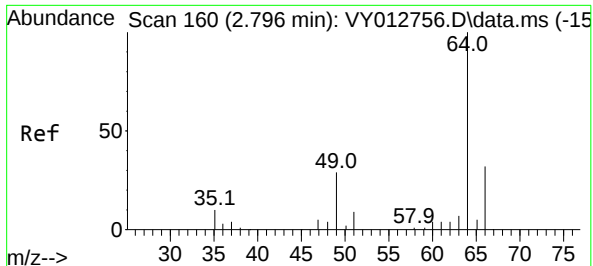
Tgt Ion:168 Resp: 417
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#3
Chloromethane
Concen: 10.176 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

Tgt Ion: 50 Resp: 50
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

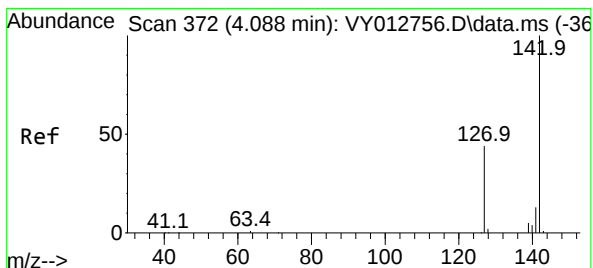
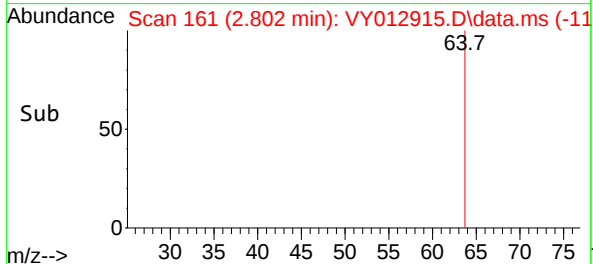
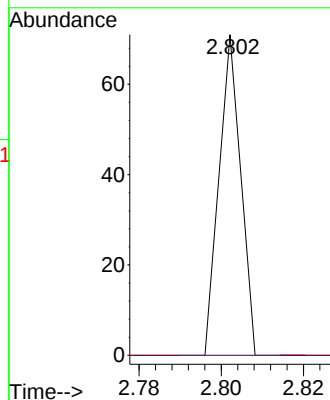
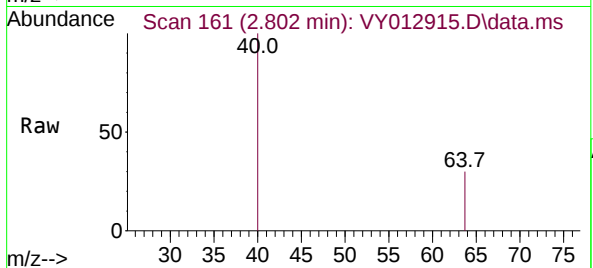




#6
Chloroethane
Concen: 9.635 ug/l
RT: 2.802 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

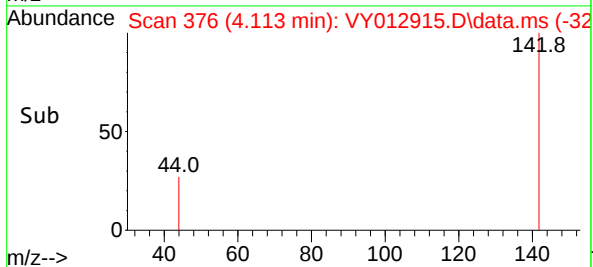
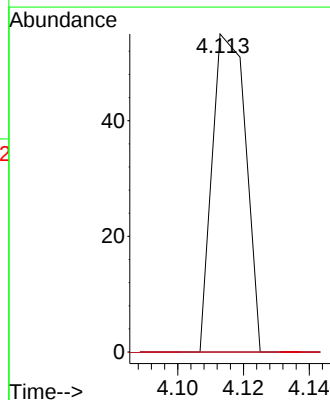
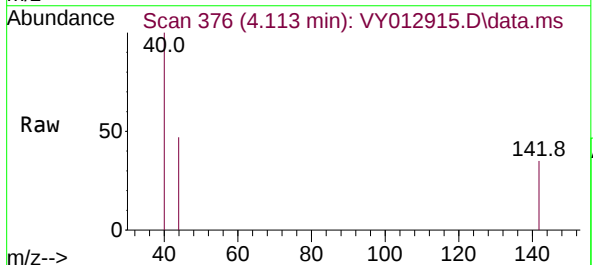
Instrument :
MSVOA_Y
ClientSampleId :

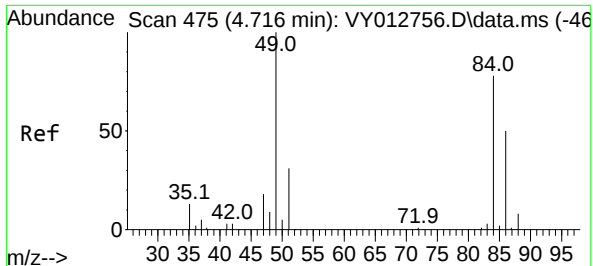
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#10
Methyl Iodide
Concen: 6.648 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.025 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.3 16.9#





#20

Methylene Chloride

Concen: 6.632 ug/l

RT: 4.723 min Scan# 41

Delta R.T. 0.006 min

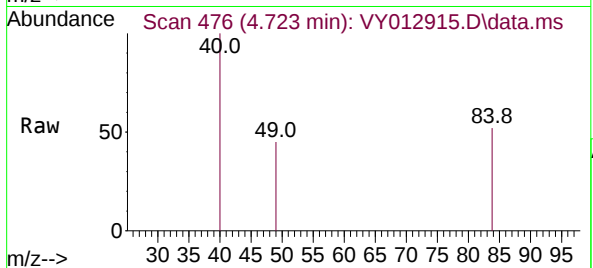
Lab File: VY012915.D

Acq: 10 Mar 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 56

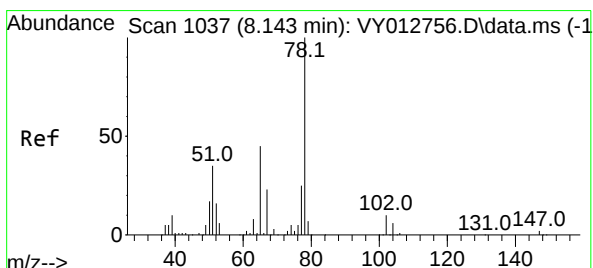
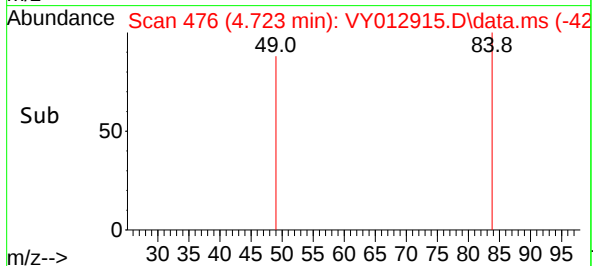
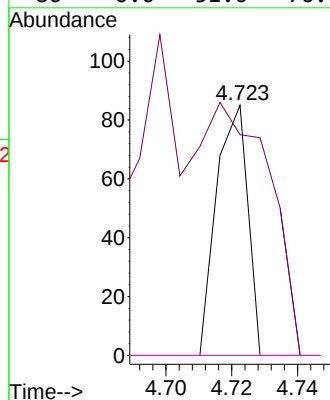
Ion Ratio Lower Upper

84 100

49 29.4 102.6 154.0#

51 0.0 31.9 47.9#

86 0.0 51.0 76.6#



#33

1,2-Dichloroethane-d4

Concen: 181.872 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012915.D

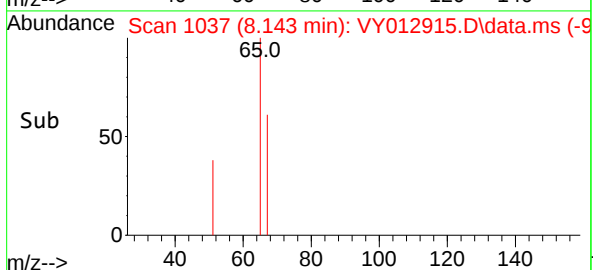
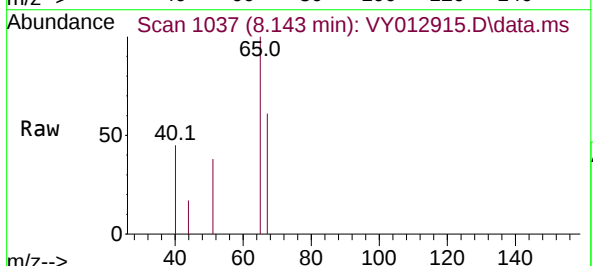
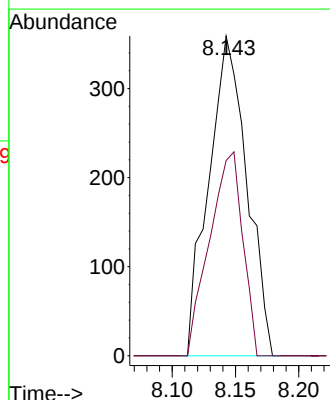
Acq: 10 Mar 2023 12:57

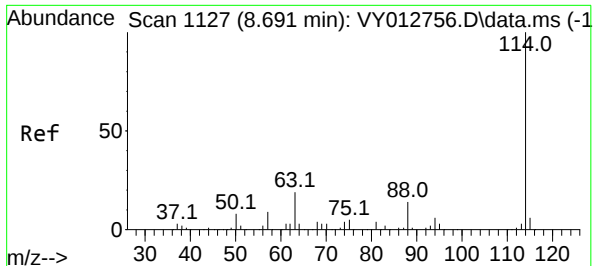
Tgt Ion: 65 Resp: 753

Ion Ratio Lower Upper

65 100

67 55.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012915.D

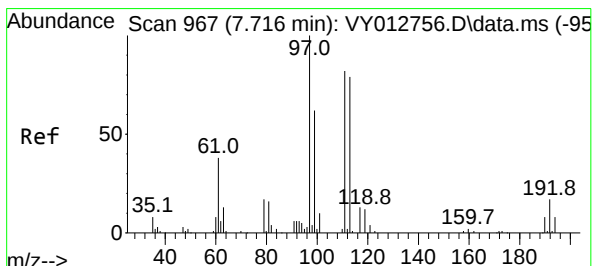
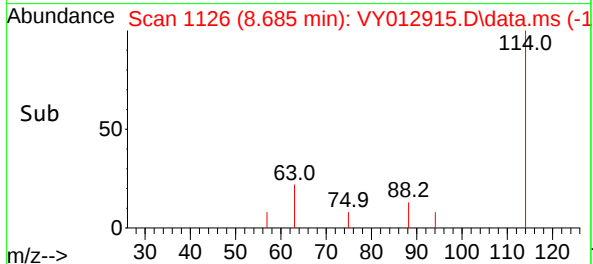
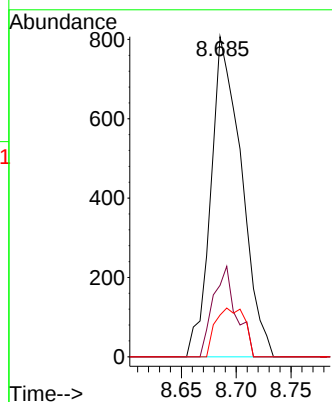
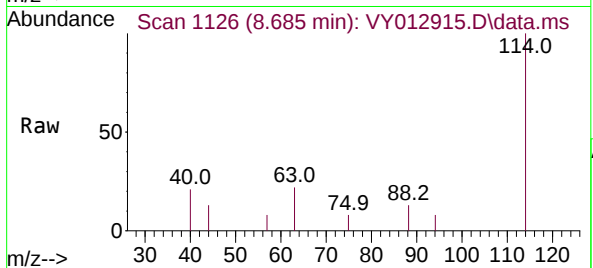
Acq: 10 Mar 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	1564
Ion	Ratio	Lower Upper
114	100	
63	22.3	0.0 37.4
88	13.0	0.0 28.6



#35

Dibromofluoromethane

Concen: 54.033 ug/l

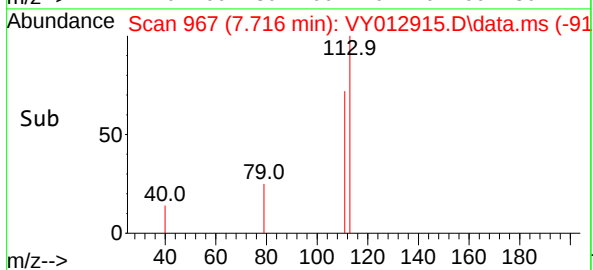
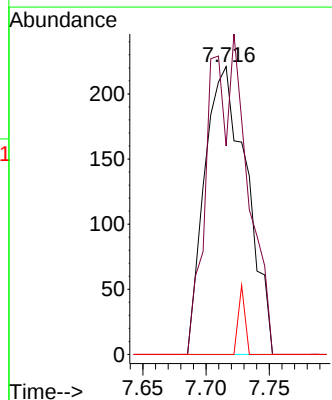
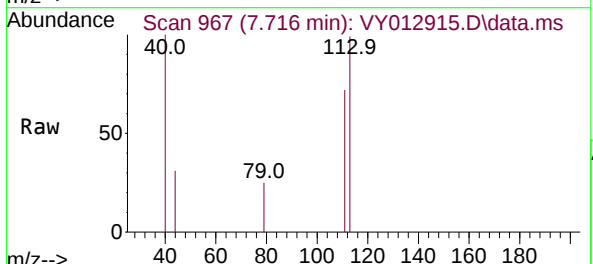
RT: 7.716 min Scan# 967

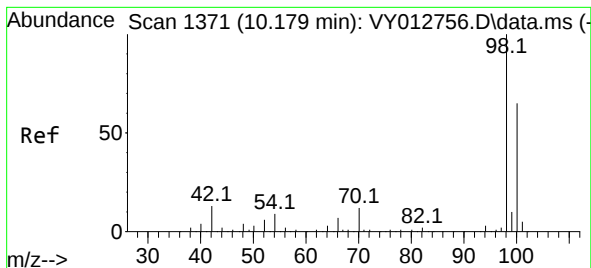
Delta R.T. 0.000 min

Lab File: VY012915.D

Acq: 10 Mar 2023 12:57

Tgt Ion:113	Resp:	510
Ion	Ratio	Lower Upper
113	100	
111	104.1	82.2 123.2
192	3.7	16.8 25.2





#50

Toluene-d8

Concen: 49.035 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012915.D

Acq: 10 Mar 2023 12:57

Instrument :

MSVOA_Y

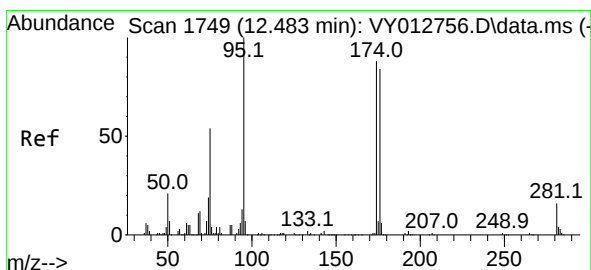
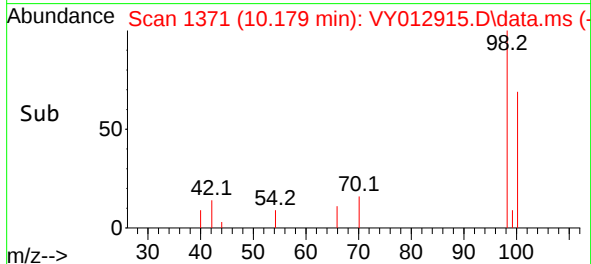
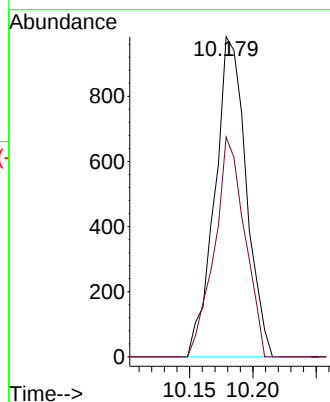
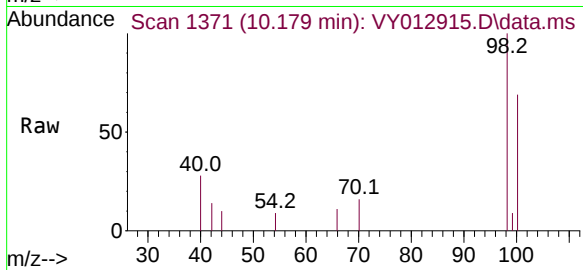
ClientSampleId :

Tgt Ion: 98 Resp: 1692

Ion Ratio Lower Upper

98 100

100 66.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 34.688 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY012915.D

Acq: 10 Mar 2023 12:57

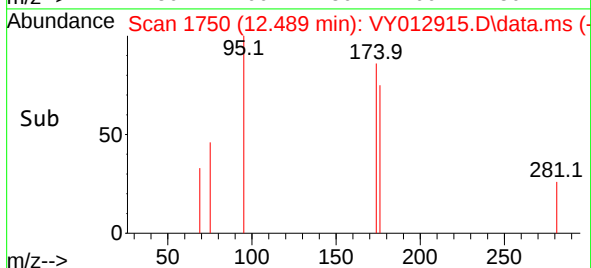
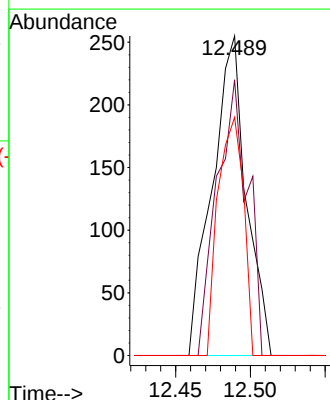
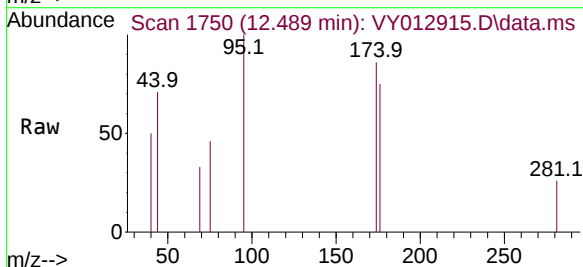
Tgt Ion: 95 Resp: 404

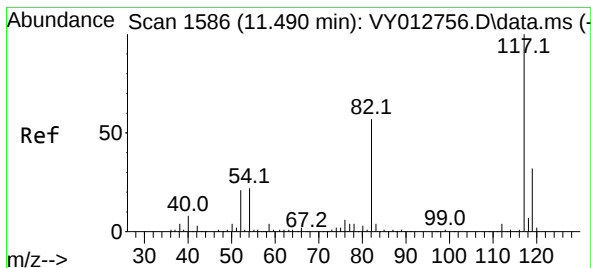
Ion Ratio Lower Upper

95 100

174 77.7 0.0 176.6

176 55.7 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012915.D

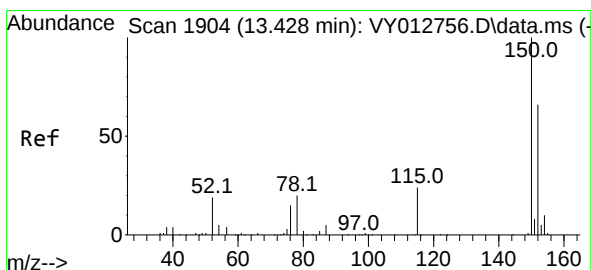
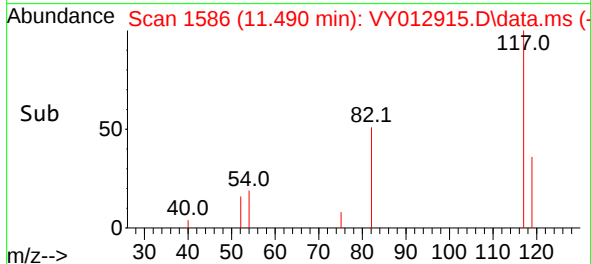
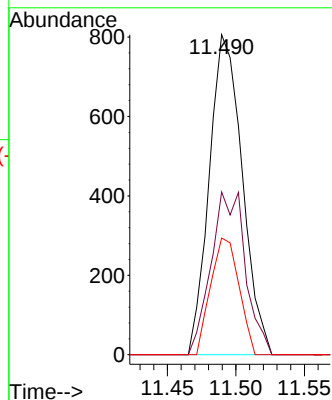
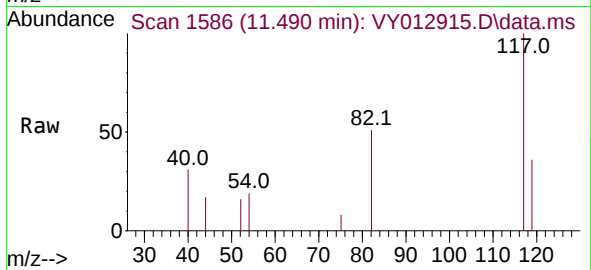
Acq: 10 Mar 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	1348
Ion	Ratio	Lower Upper
117	100	
82	50.9	45.4 68.0
119	36.5	25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

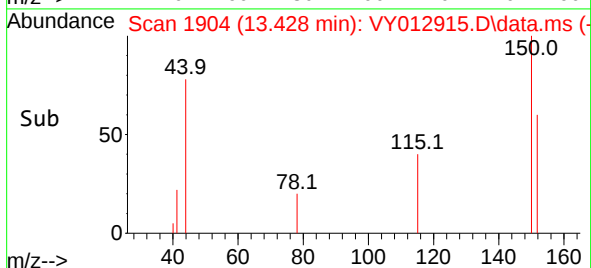
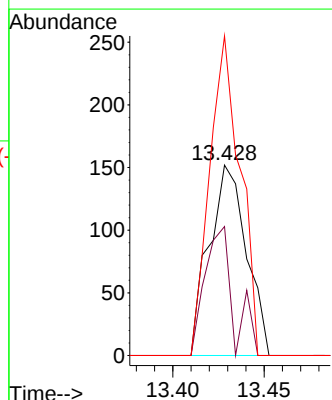
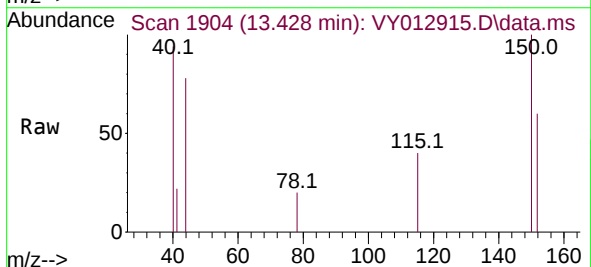
RT: 13.428 min Scan# 1904

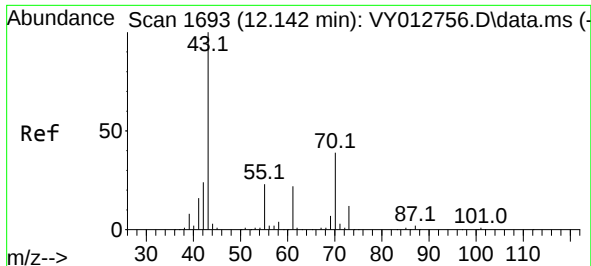
Delta R.T. 0.000 min

Lab File: VY012915.D

Acq: 10 Mar 2023 12:57

Tgt Ion:152	Resp:	217
Ion	Ratio	Lower Upper
152	100	
115	50.7	27.1 81.3
150	136.4	0.0 347.8

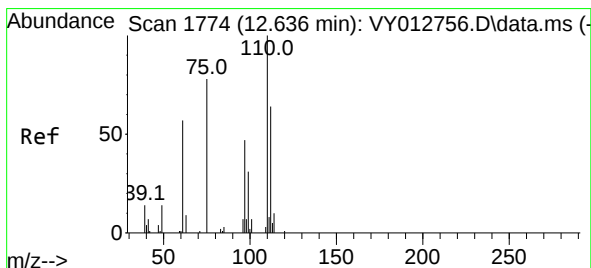
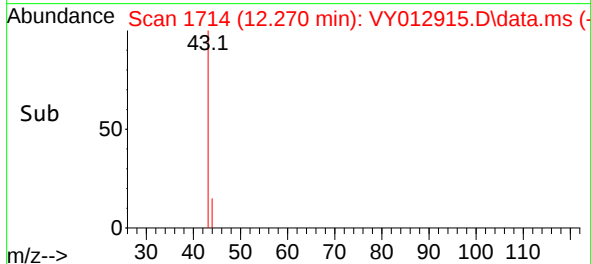
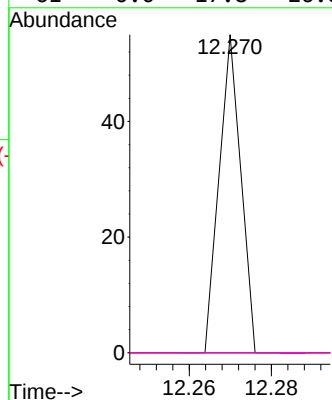
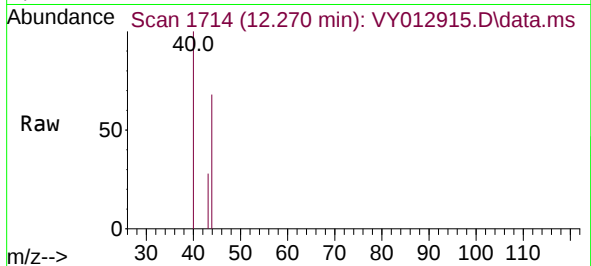




#74
N-amy1 acetate
Concen: 4.133 ug/l
RT: 12.270 min Scan# 1714
Delta R.T. 0.128 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

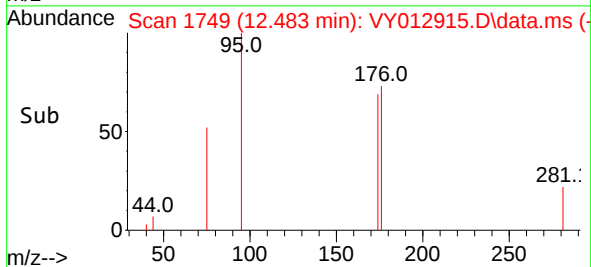
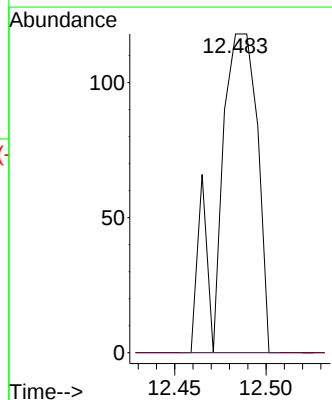
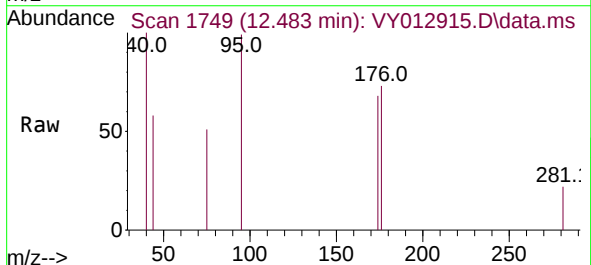
Instrument :
MSVOA_Y
ClientSampleId :

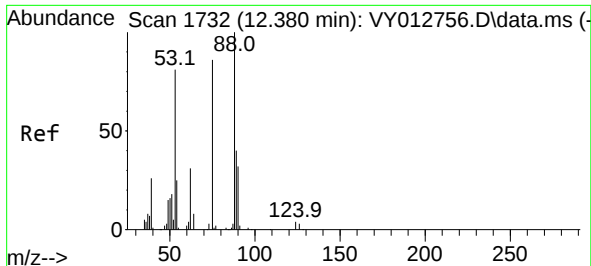
Tgt Ion: 43	Resp: 20
Ion Ratio	Lower Upper
43 100	
70 0.0	31.6 47.4#
55 0.0	18.8 28.2#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 67.147 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

Tgt Ion: 75	Resp:	174	
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

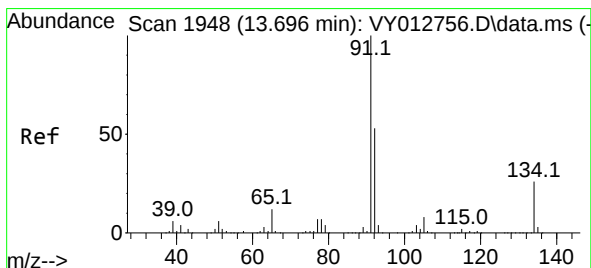
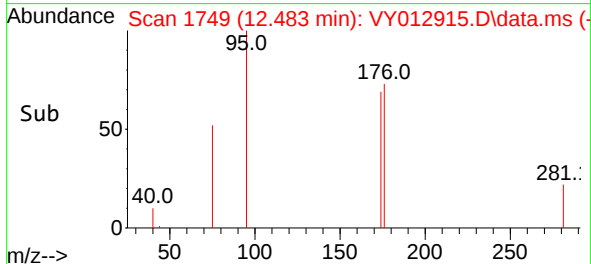
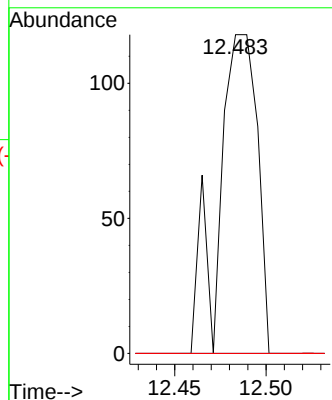
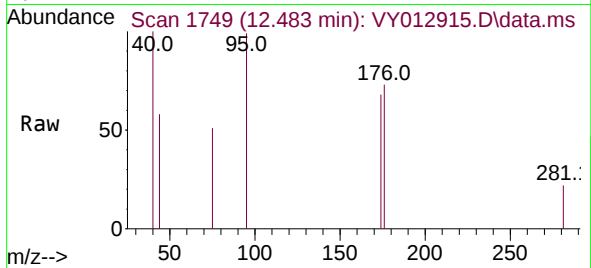




#81
trans-1,4-Dichloro-2-butene
Concen: 139.131 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

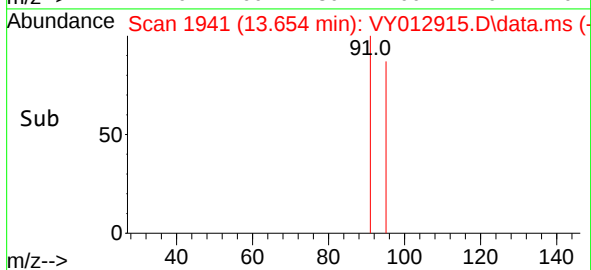
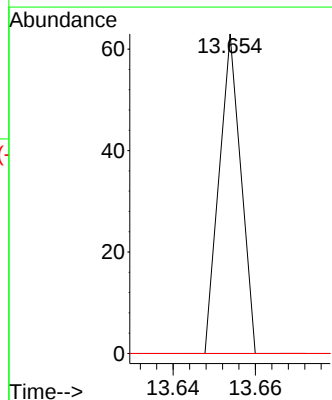
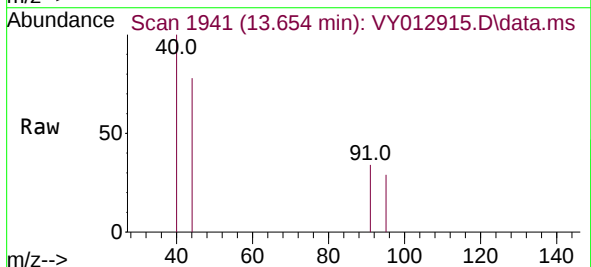
Instrument :
MSVOA_Y
ClientSampleId :

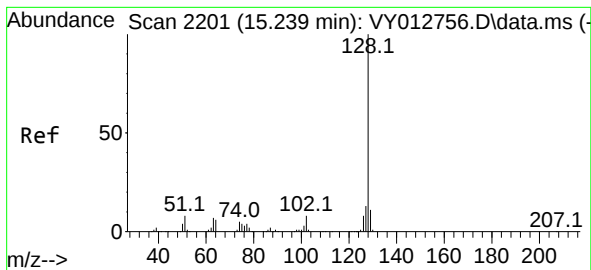
Tgt Ion: 75 Resp: 174
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#89
n-Butylbenzene
Concen: 1.759 ug/l
RT: 13.654 min Scan# 1941
Delta R.T. -0.043 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

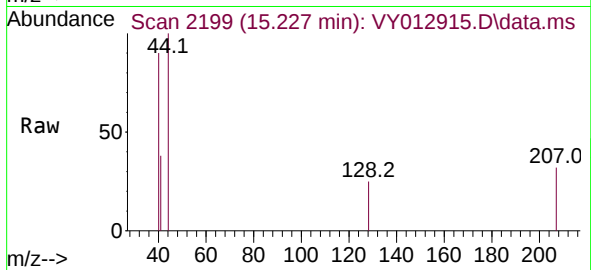
Tgt Ion: 91 Resp: 23
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.0#
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 2.489 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY012915.D
Acq: 10 Mar 2023 12:57

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

