

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025284.D
 Acq On : 23 Nov 2021 19:01
 Operator : JC/MD
 Sample : M4809-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1994

Quant Time: Nov 24 03:15:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

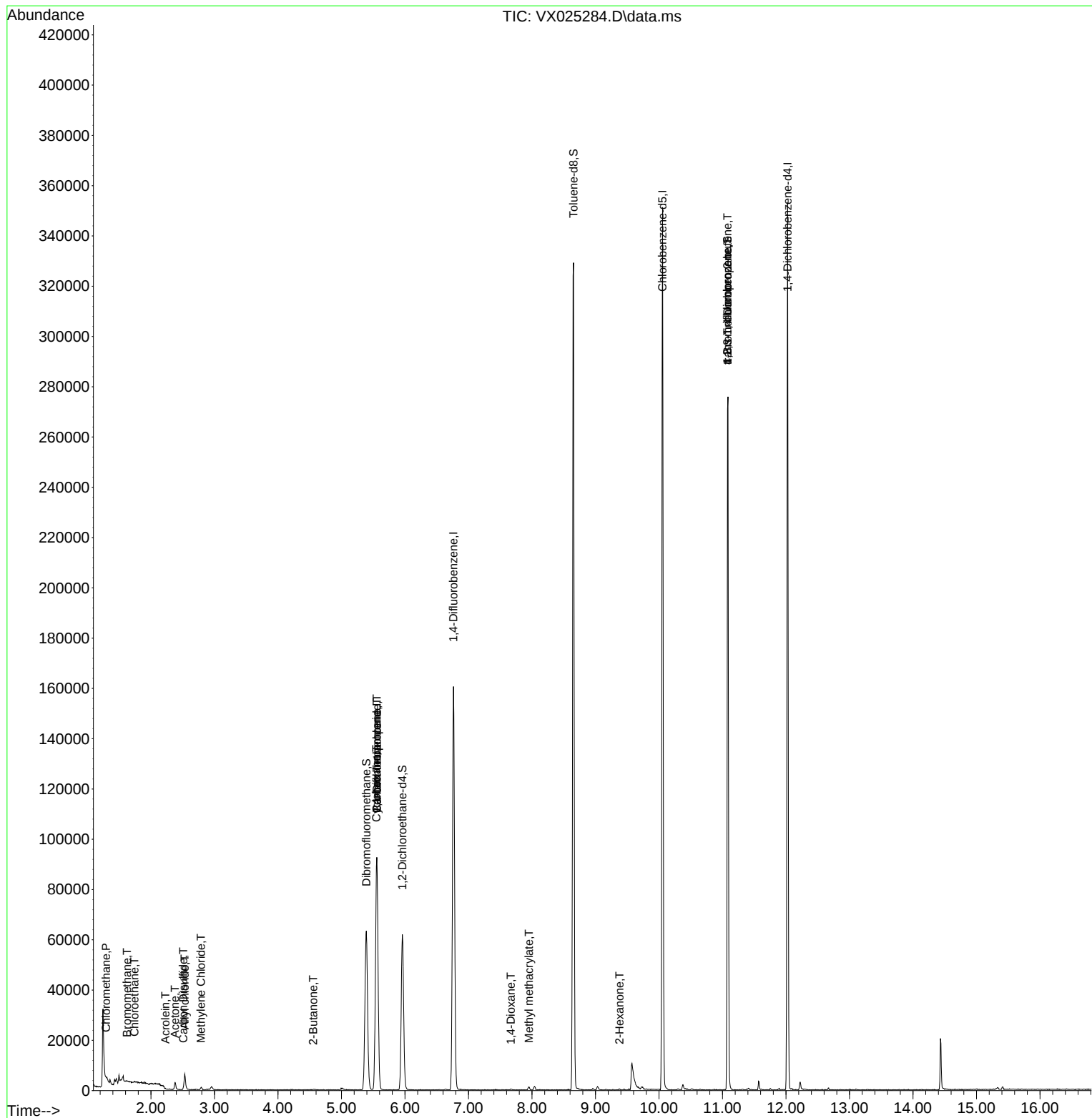
Internal Standards						
1) Pentafluorobenzene	5.556	168	94493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171591	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57594	57.824	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.640%
35) Dibromofluoromethane	5.391	113	54780	52.031	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.060%
50) Toluene-d8	8.653	98	199826	50.480	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	77432	51.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	296	0.292	ug/l #	42
5) Bromomethane	1.624	94	202	0.422	ug/l #	72
6) Chloroethane	1.740	64	176	0.229	ug/l #	43
11) Tert butyl alcohol	2.953	59	1297	Below Cal	#	72
13) Acrolein	2.227	56	64	1.403	ug/l #	13
14) Allyl chloride	2.532	41	677	0.427	ug/l #	74
16) Acetone	2.380	43	3066	5.540	ug/l	95
17) Carbon Disulfide	2.508	76	612	0.248	ug/l #	76
20) Methylene Chloride	2.788	84	499	0.480	ug/l #	81
25) 2-Butanone	4.556	43	233	0.291	ug/l #	48
31) Cyclohexane	5.550	56	1583	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6391	4.269	ug/l #	48
38) Carbon Tetrachloride	5.556	117	8889	5.391	ug/l #	17
48) Methyl methacrylate	7.952	41	335	0.252	ug/l #	43
49) 1,4-Dioxane	7.665	88	233	8.294	ug/l #	91
59) 2-Hexanone	9.378	43	315	0.225	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	36662	23.645	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36662	59.565	ug/l #	9
95) Naphthalene	13.780	128	190	Below Cal	#	69

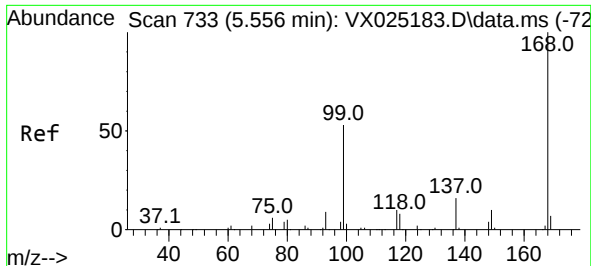
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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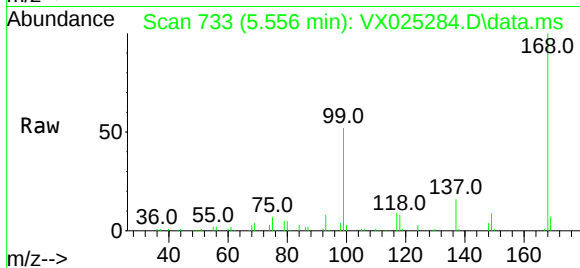
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Instrument :

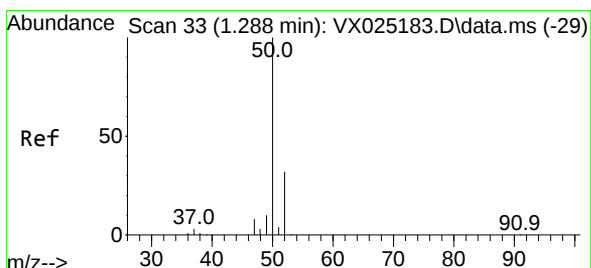
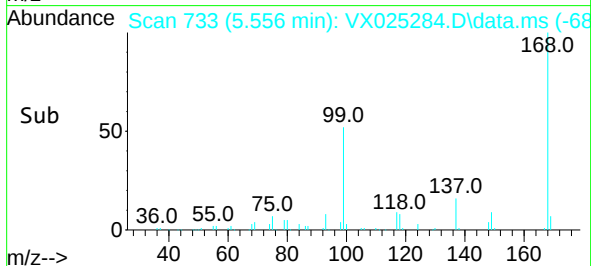
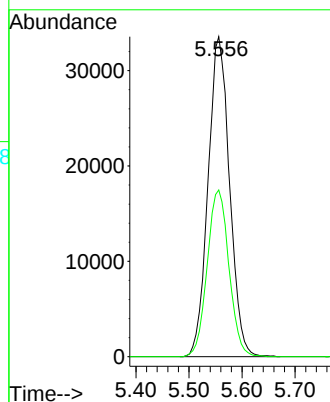
MSVOA_X

ClientSampleId :

1994

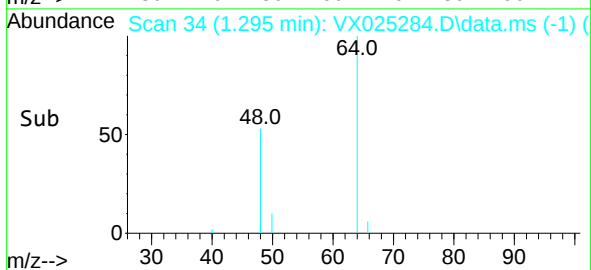
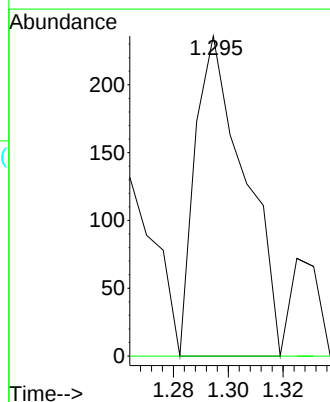
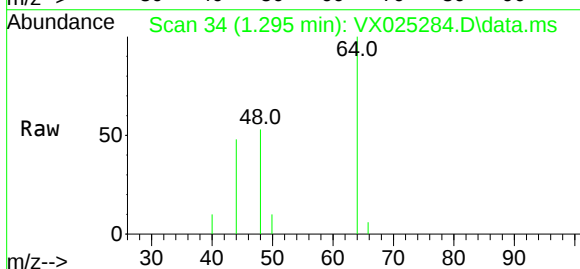


Tgt Ion:168 Resp: 94493
Ion Ratio Lower Upper
168 100
99 52.1 46.4 69.6



#3
Chloromethane
Concen: 0.292 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

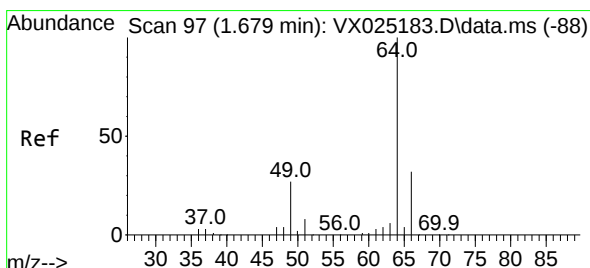
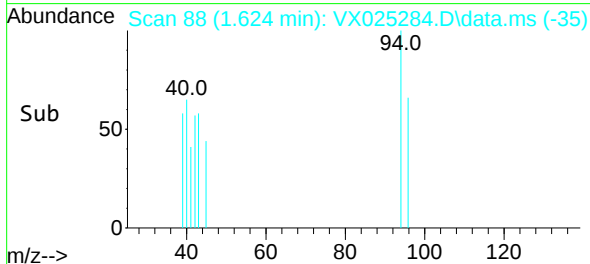
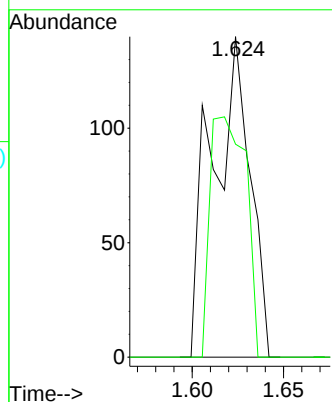
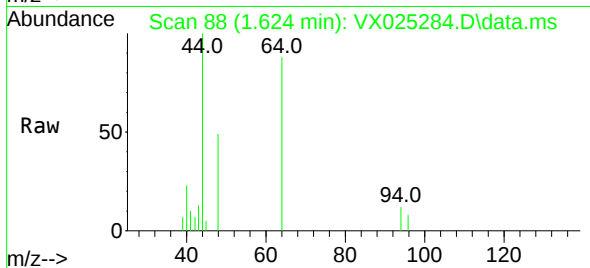




#5
Bromomethane
Concen: 0.422 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.025 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

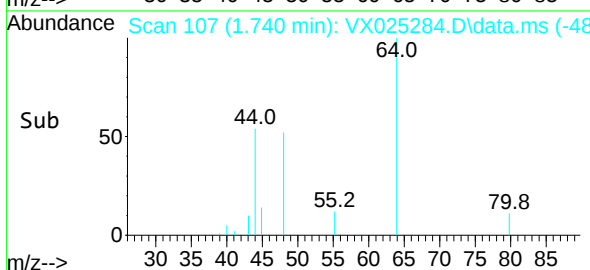
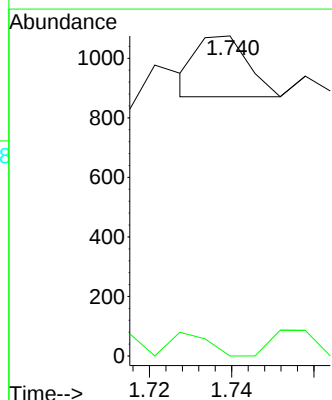
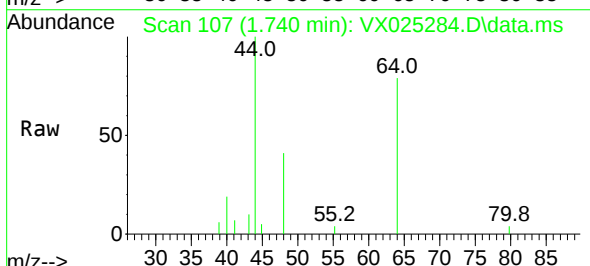
Instrument :
MSVOA_X
ClientSampleId :
1994

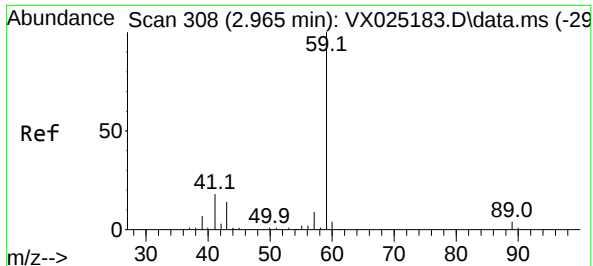
Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 66.4 74.8 112.2#



#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.740 min Scan# 107
Delta R.T. 0.061 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Instrument :

MSVOA_X

ClientSampleId :

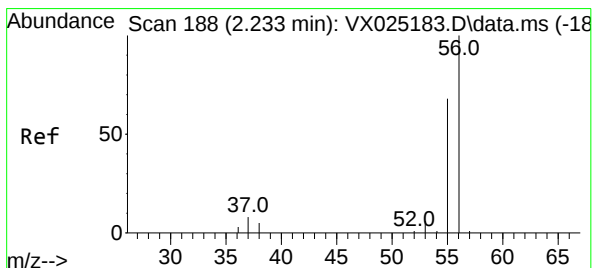
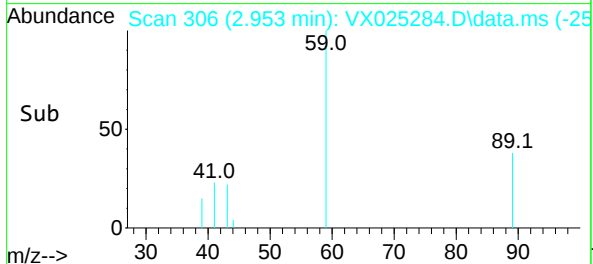
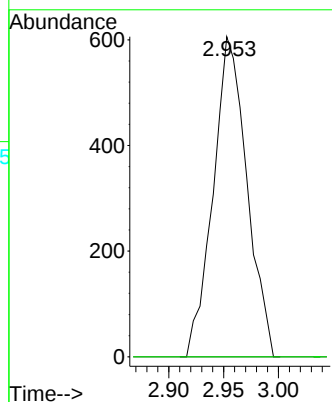
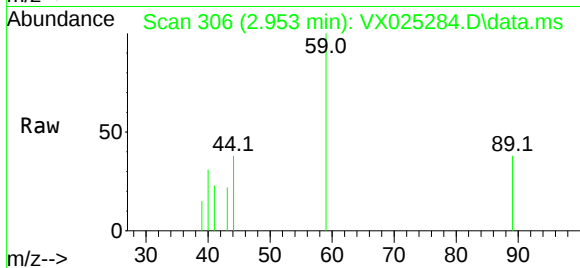
1994

Tgt Ion: 59 Resp: 1297

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 1.403 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX025284.D

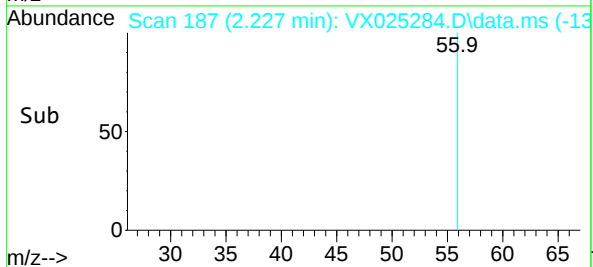
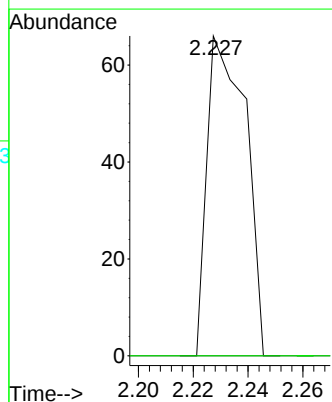
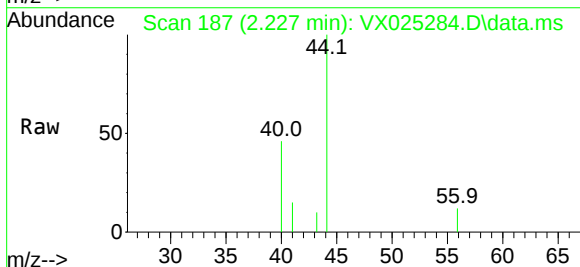
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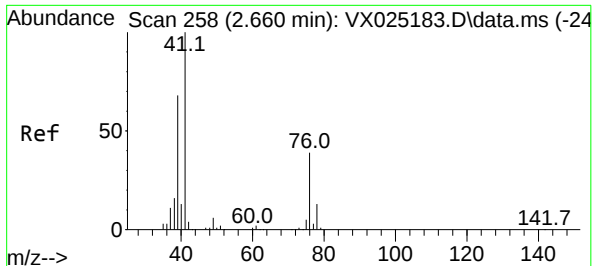
Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

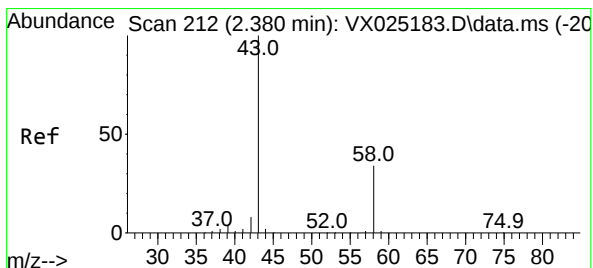
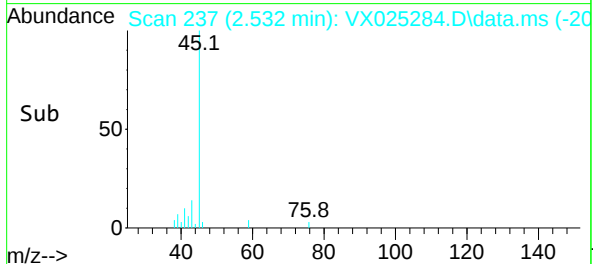
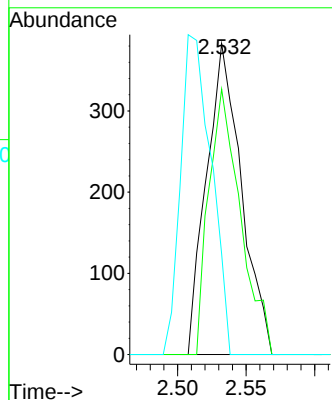
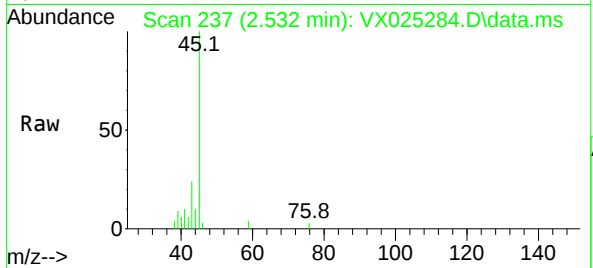




#14
 Allyl chloride
 Concen: 0.427 ug/l
 RT: 2.532 min Scan# 21
 Delta R.T. -0.128 min
 Lab File: VX025284.D
 Acq: 23 Nov 2021 19:01

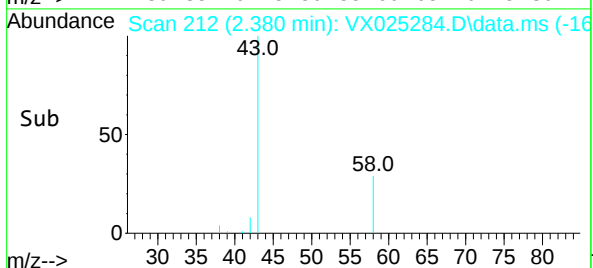
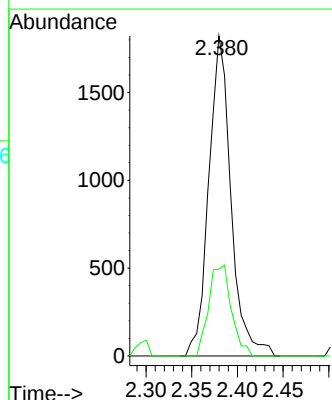
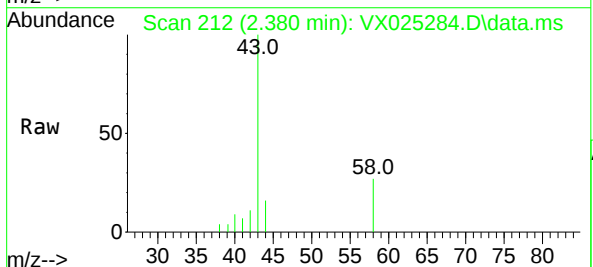
Instrument :
 MSVOA_X
 ClientSampleId :
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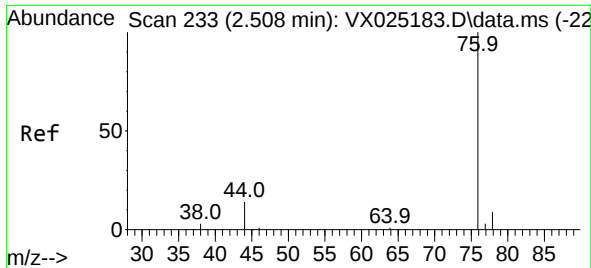
Tgt Ion: 41 Resp: 677
 Ion Ratio Lower Upper
 41 100
 39 77.4 54.6 82.0
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 5.540 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025284.D
 Acq: 23 Nov 2021 19:01

Tgt Ion: 43 Resp: 3066
 Ion Ratio Lower Upper
 43 100
 58 27.1 24.0 36.0





#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Instrument :

MSVOA_X

ClientSampleId :

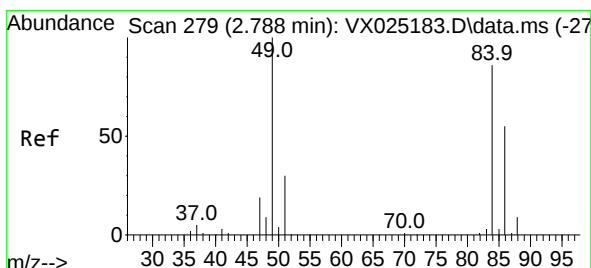
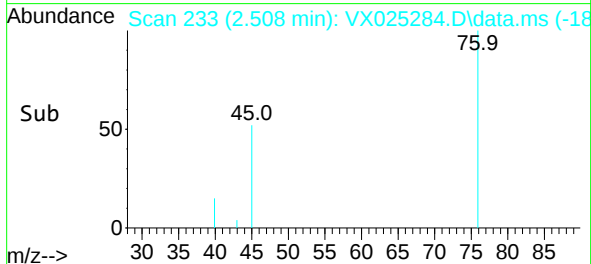
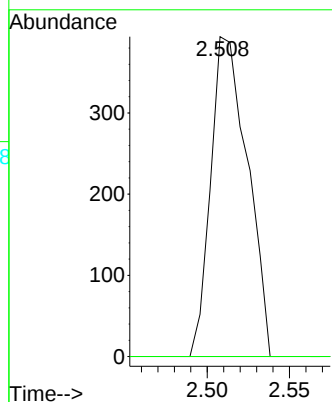
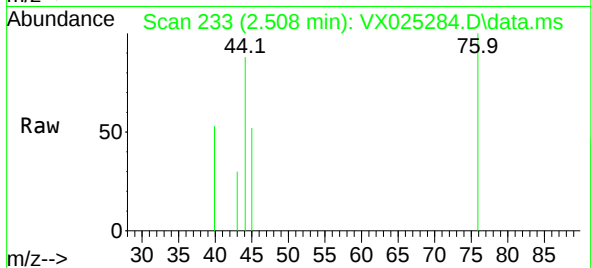
1994

Tgt Ion: 76 Resp: 612

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



#20

Methylene Chloride

Concen: 0.480 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Tgt Ion: 84 Resp: 499

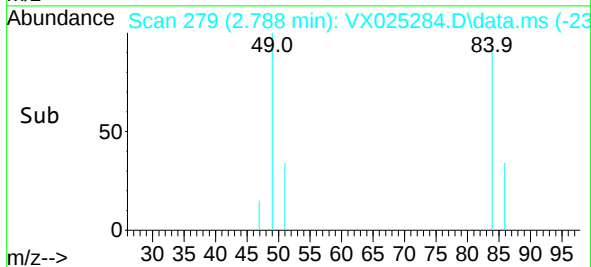
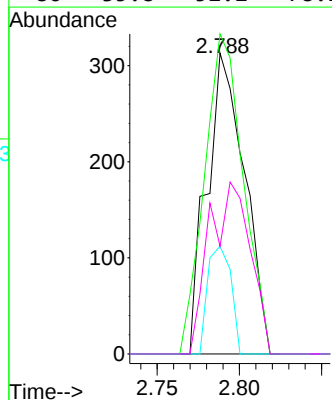
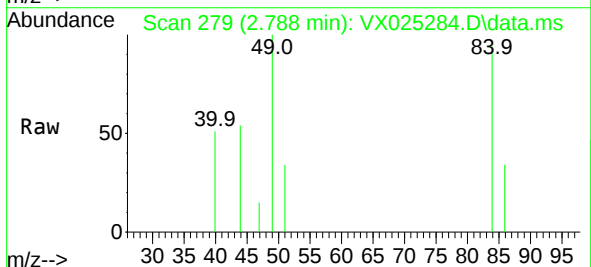
Ion Ratio Lower Upper

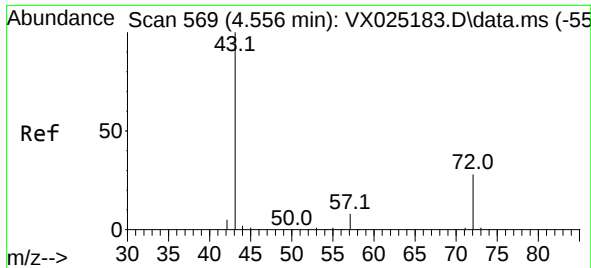
84 100

49 106.4 98.2 147.2

51 35.8 30.2 45.4

86 35.8 52.2 78.2#

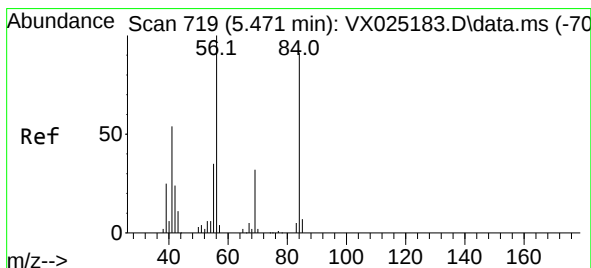
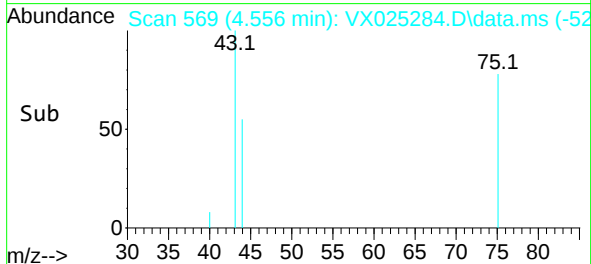
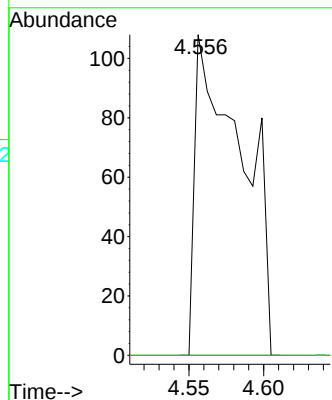
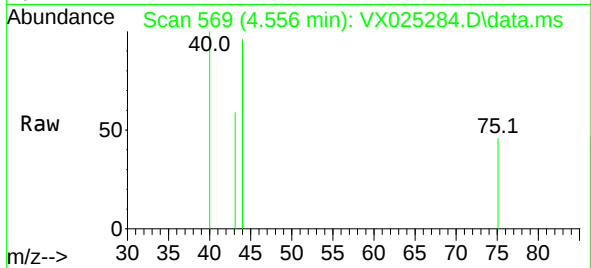




#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.556 min Scan# 501
Delta R.T. 0.000 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

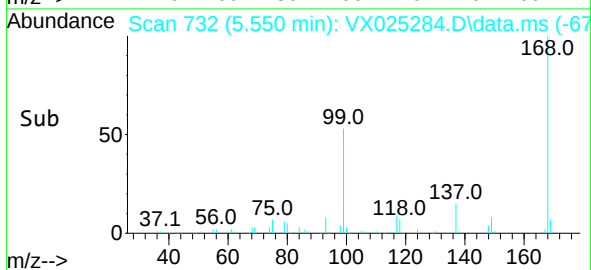
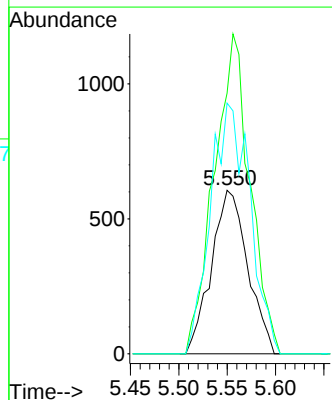
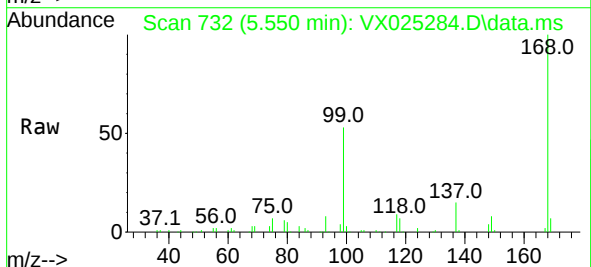
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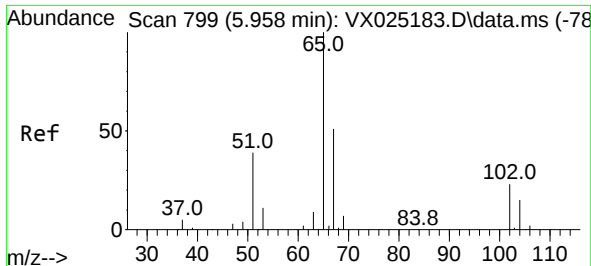
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Tgt Ion: 56 Resp: 1583
Ion Ratio Lower Upper
56 100
69 159.4 24.2 36.2#
84 153.3 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 57.824 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Instrument :

MSVOA_X

ClientSampleId :

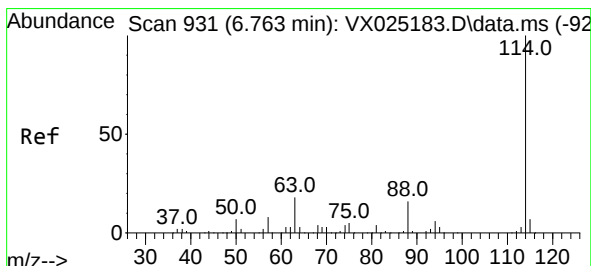
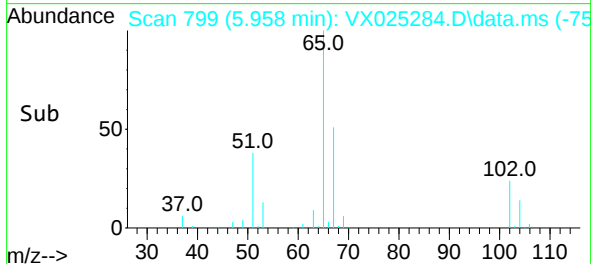
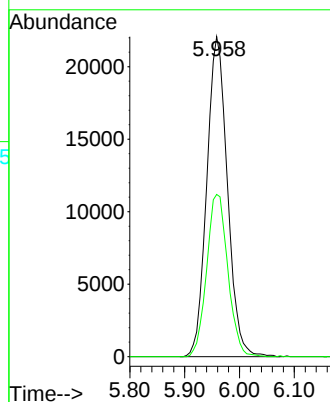
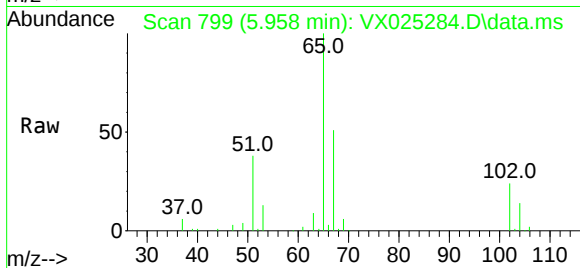
1994

Tgt Ion: 65 Resp: 57594

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

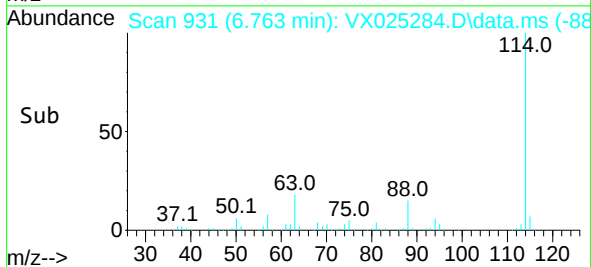
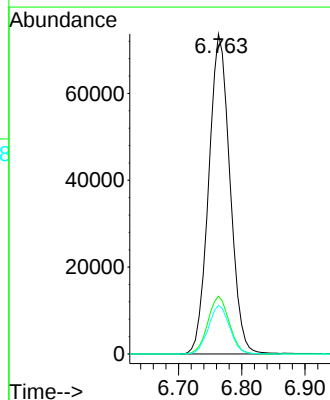
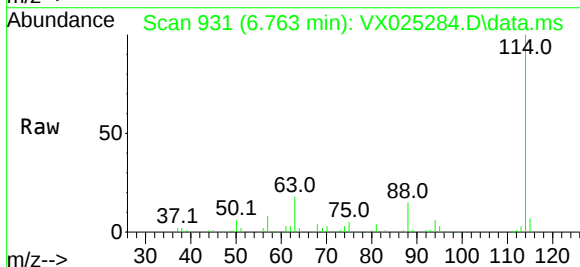
Tgt Ion: 114 Resp: 171591

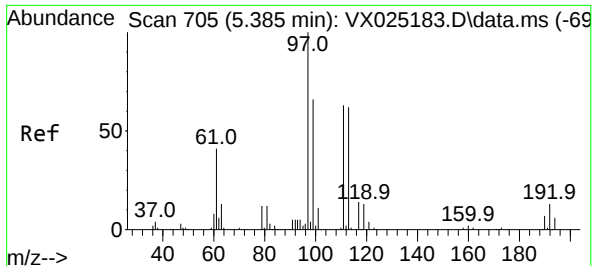
Ion Ratio Lower Upper

114 100

63 18.0 0.0 41.0

88 15.2 0.0 34.8

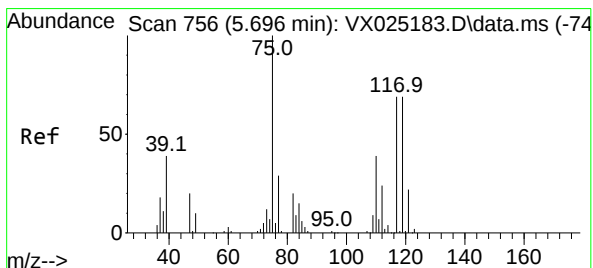
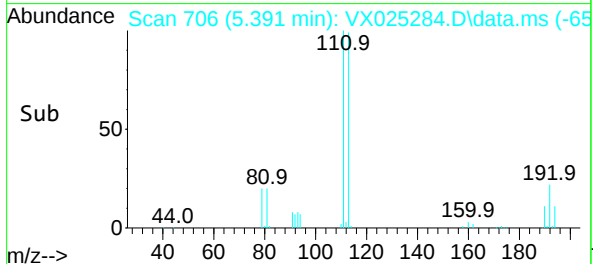
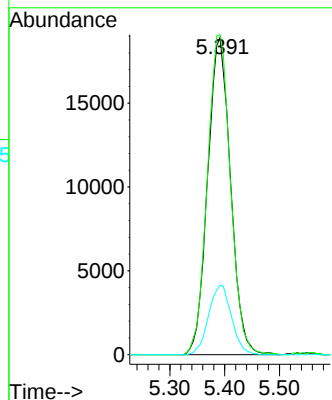
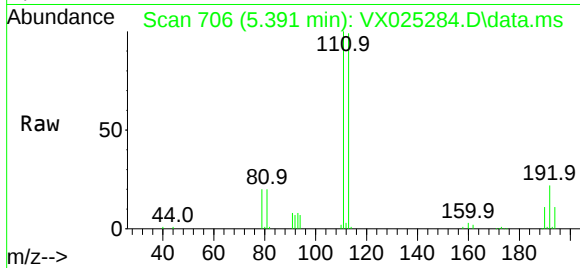




#35
Dibromofluoromethane
Concen: 52.031 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

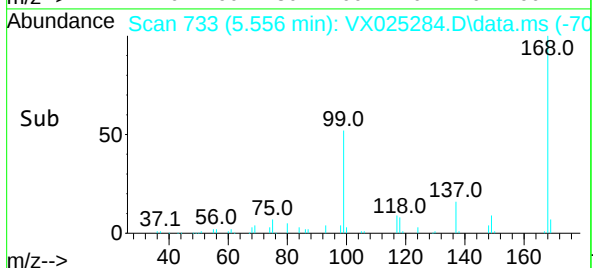
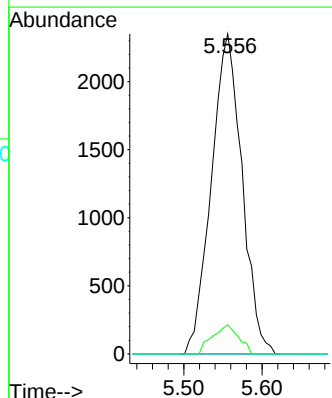
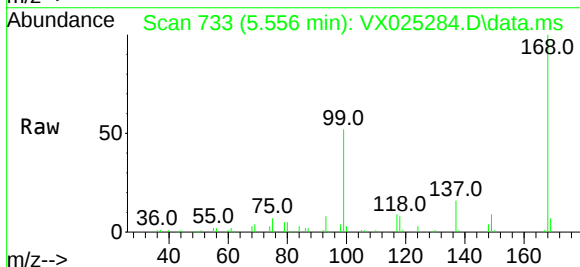
Instrument :
MSVOA_X
ClientSampleId :
1994

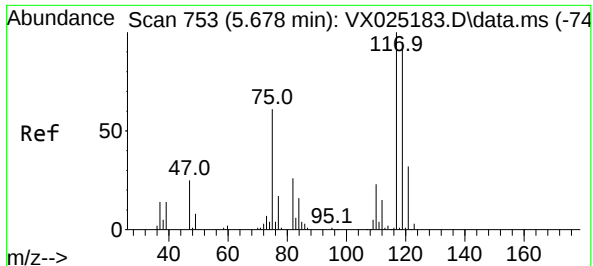
Tgt Ion:113 Resp: 54780
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.269 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

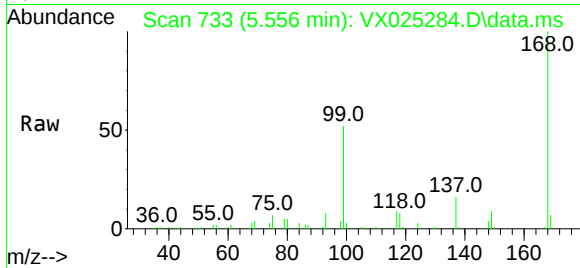
Tgt Ion: 75 Resp: 6391
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.3#
77 0.0 24.4 36.6#



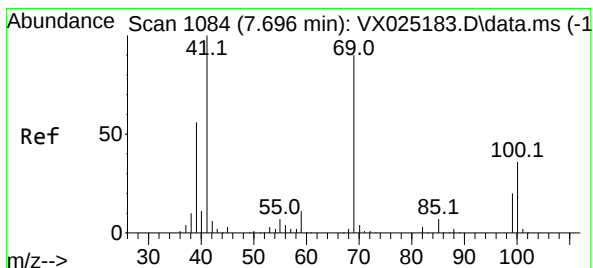
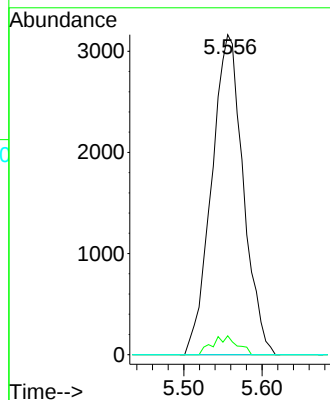
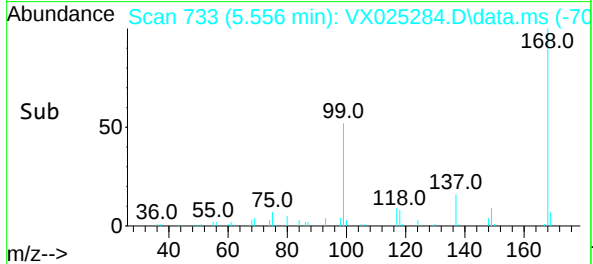


#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 5.556 min Scan# 719
Delta R.T. -0.122 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Instrument :
MSVOA_X
ClientSampleId :
1994

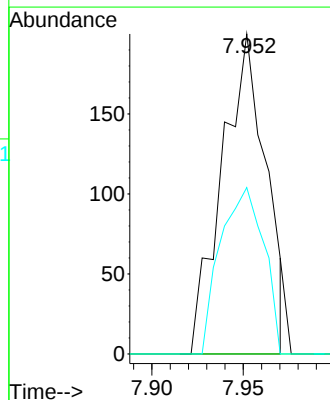
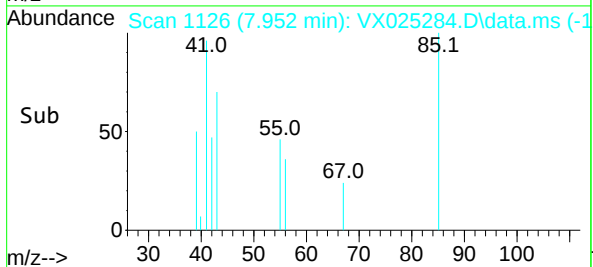
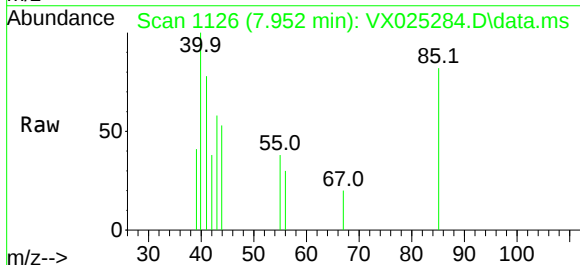


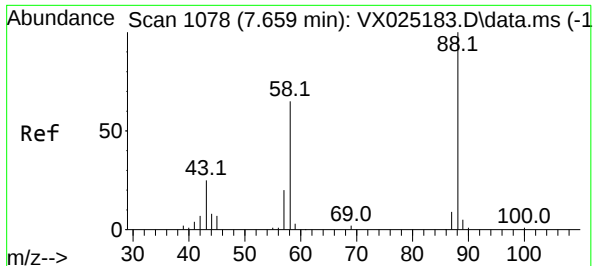
Tgt Ion:117 Resp: 8889
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 23.7 35.5#



#48
Methyl methacrylate
Concen: 0.252 ug/l
RT: 7.952 min Scan# 1126
Delta R.T. 0.256 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Tgt Ion: 41 Resp: 335
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 51.3 46.9 70.3





#49

1,4-Dioxane

Concen: 8.294 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Instrument :

MSVOA_X

ClientSampleId :

1994

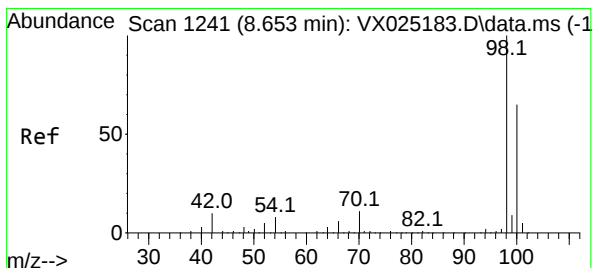
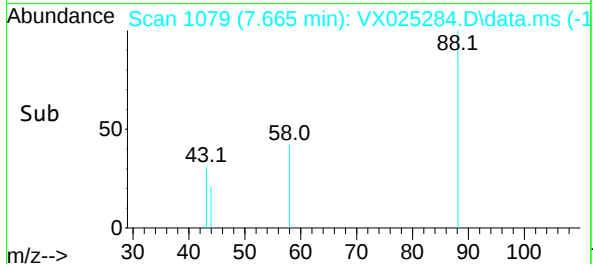
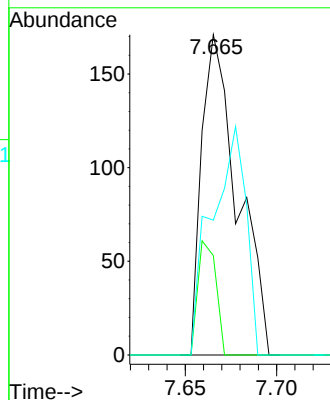
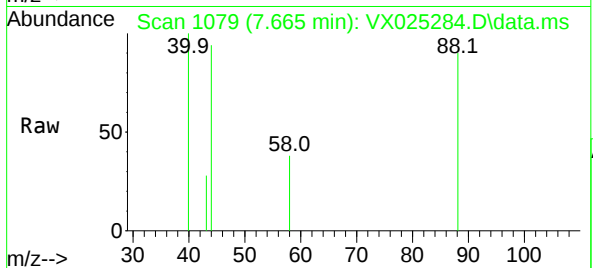
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 18.0 27.0 40.6#

58 68.7 55.2 82.8



#50

Toluene-d8

Concen: 50.480 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025284.D

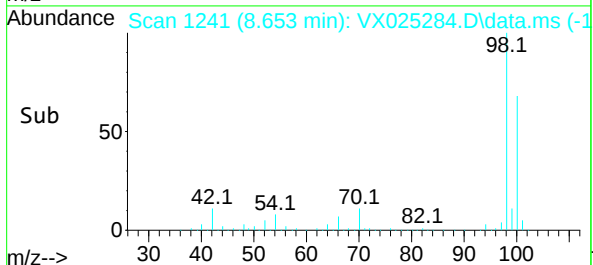
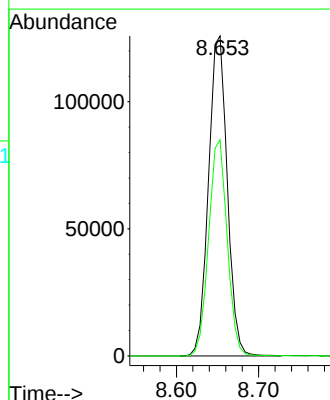
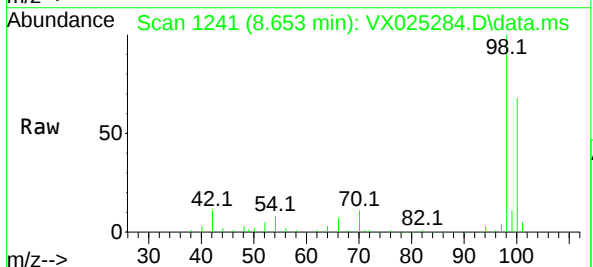
Acq: 23 Nov 2021 19:01

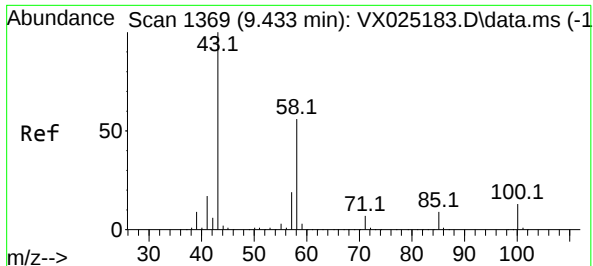
Tgt Ion: 98 Resp: 199826

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.0





#59

2-Hexanone

Concen: 0.225 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

Instrument :

MSVOA_X

ClientSampleId :

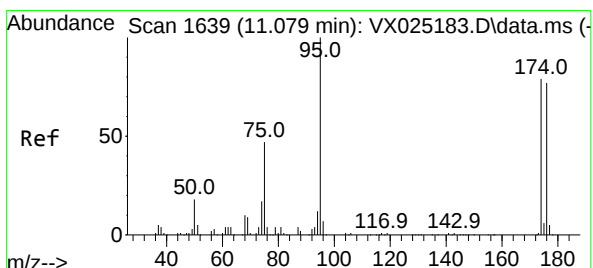
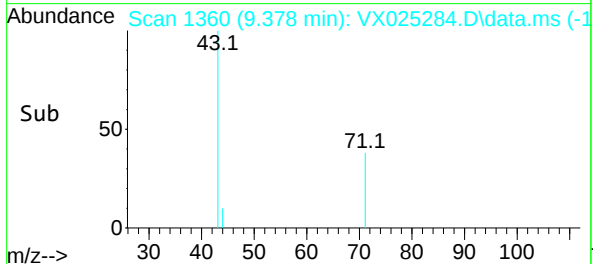
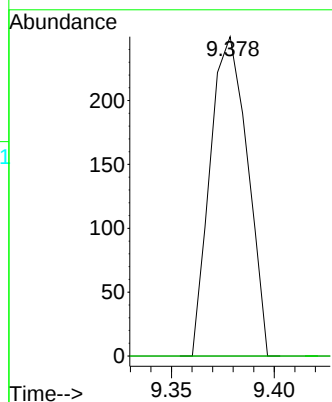
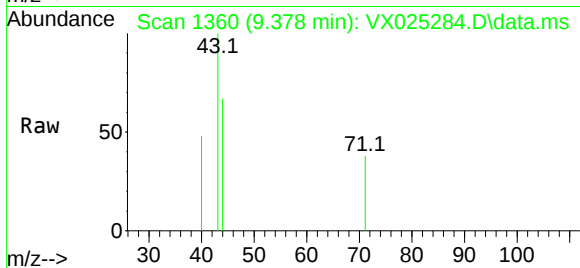
1994

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 51.706 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025284.D

Acq: 23 Nov 2021 19:01

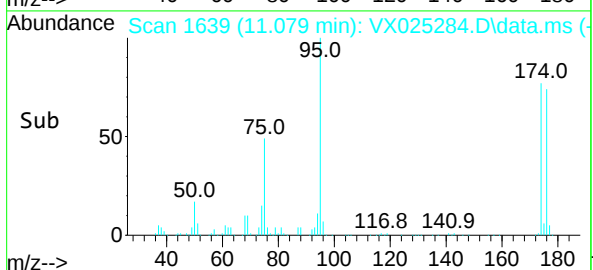
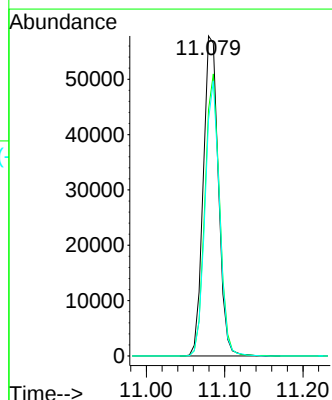
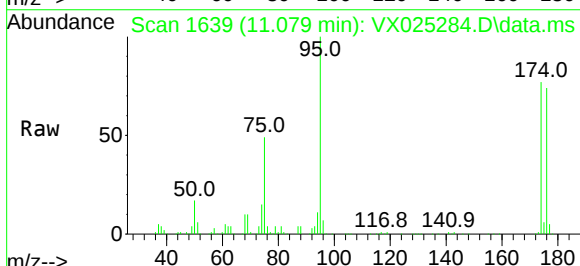
Tgt Ion: 95 Resp: 77432

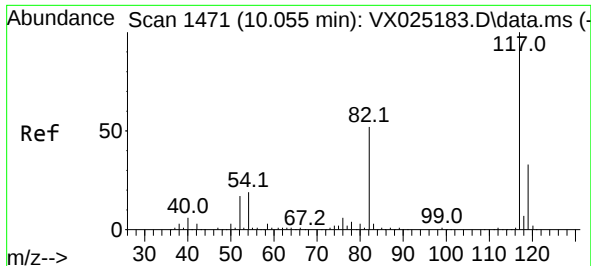
Ion Ratio Lower Upper

95 100

174 85.3 0.0 158.0

176 81.9 0.0 153.6

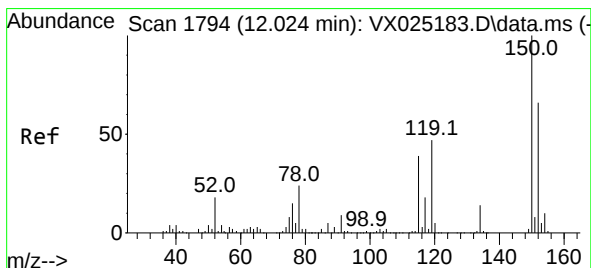
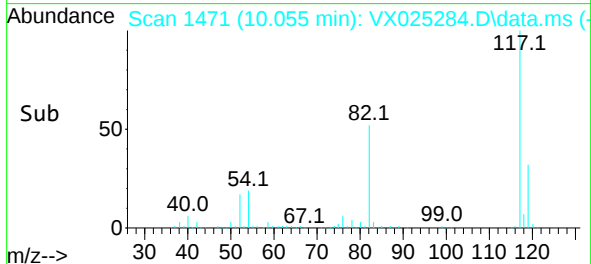
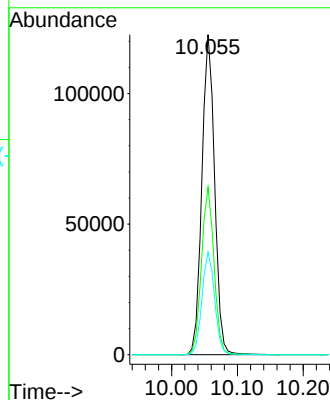
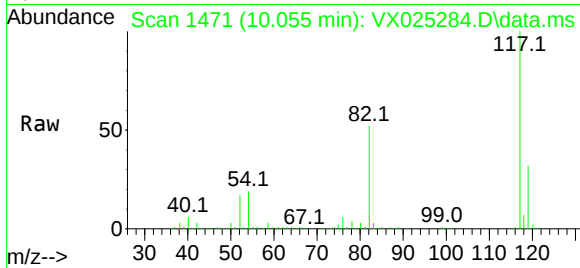




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

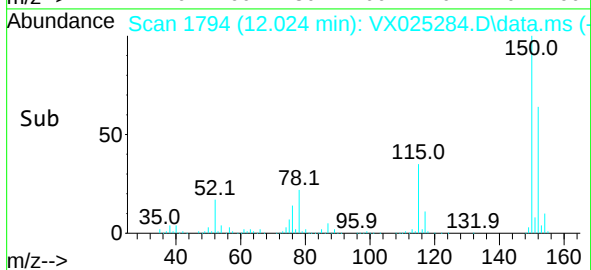
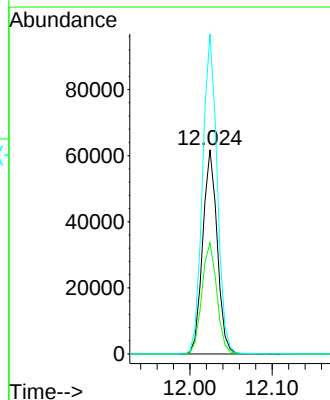
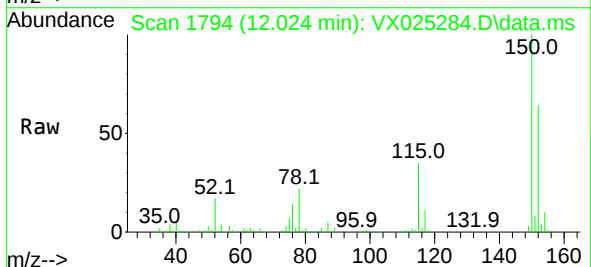
Instrument :
MSVOA_X
ClientSampleId :
1994

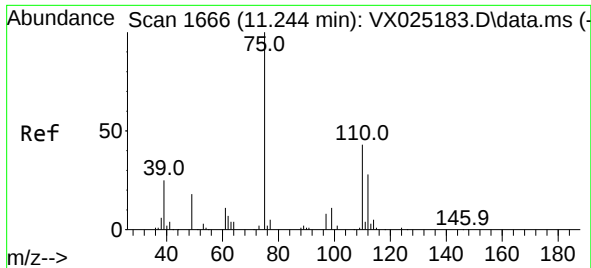
Tgt Ion:117 Resp: 164629
Ion Ratio Lower Upper
117 100
82 52.4 44.6 67.0
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Tgt Ion:152 Resp: 75717
Ion Ratio Lower Upper
152 100
115 56.1 43.3 129.8
150 158.0 0.0 351.2

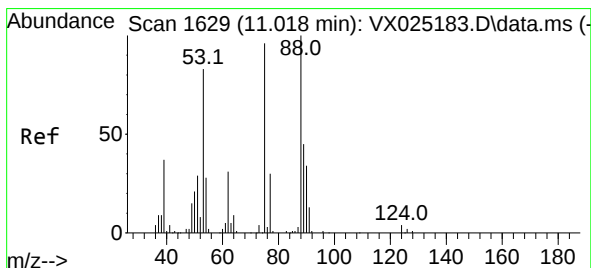
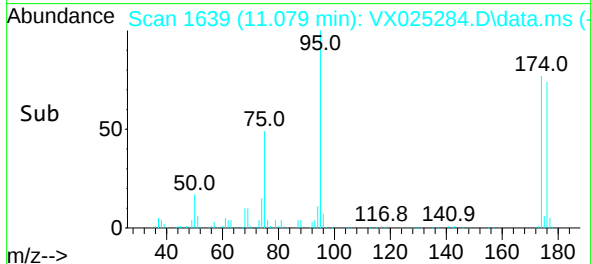
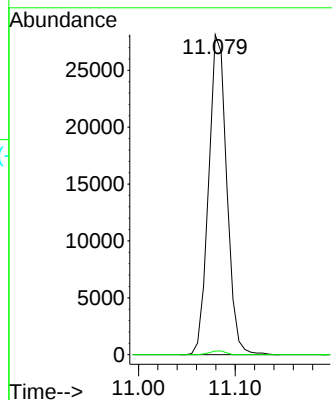
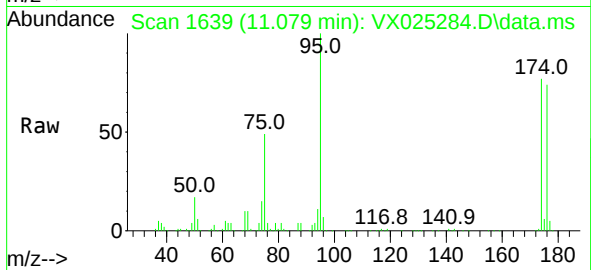




#76
1,2,3-Trichloropropane
Concen: 23.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

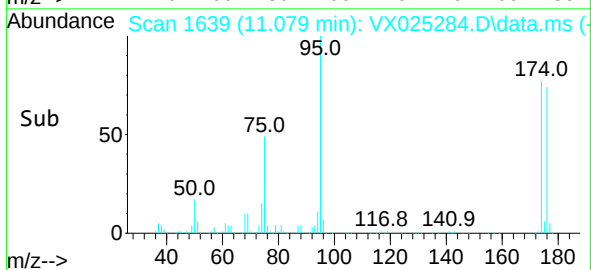
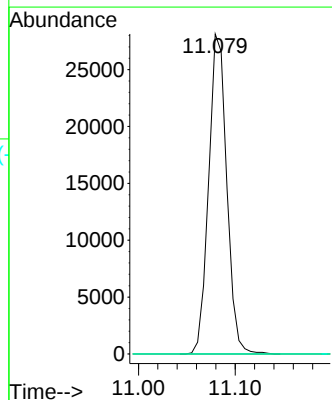
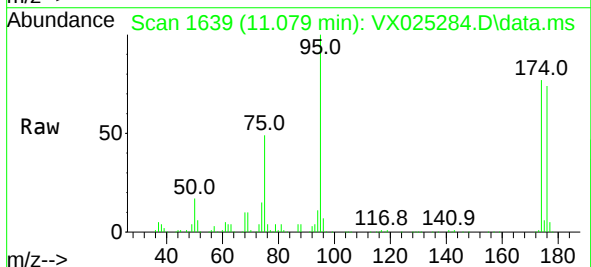
Instrument :
MSVOA_X
ClientSampleId :
1994

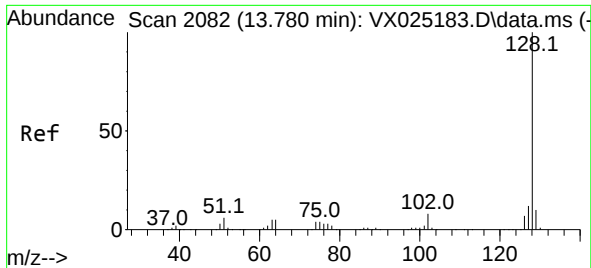
Tgt Ion: 75 Resp: 36662
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

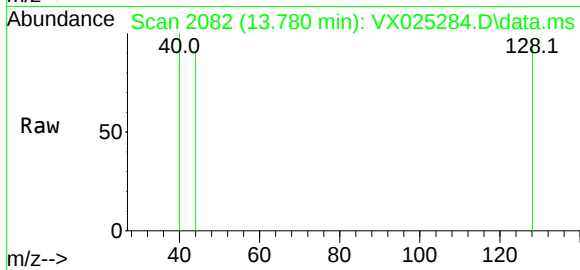
Tgt Ion: 75 Resp: 36662
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025284.D
Acq: 23 Nov 2021 19:01

Instrument :
MSVOA_X
ClientSampleId :
1994



Tgt Ion:128 Resp: 190
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

