

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033157.D
 Acq On : 01 Dec 2022 12:50
 Operator : JC/MD
 Sample : N5815-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2022-11-29

Quant Time: Dec 02 00:50:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

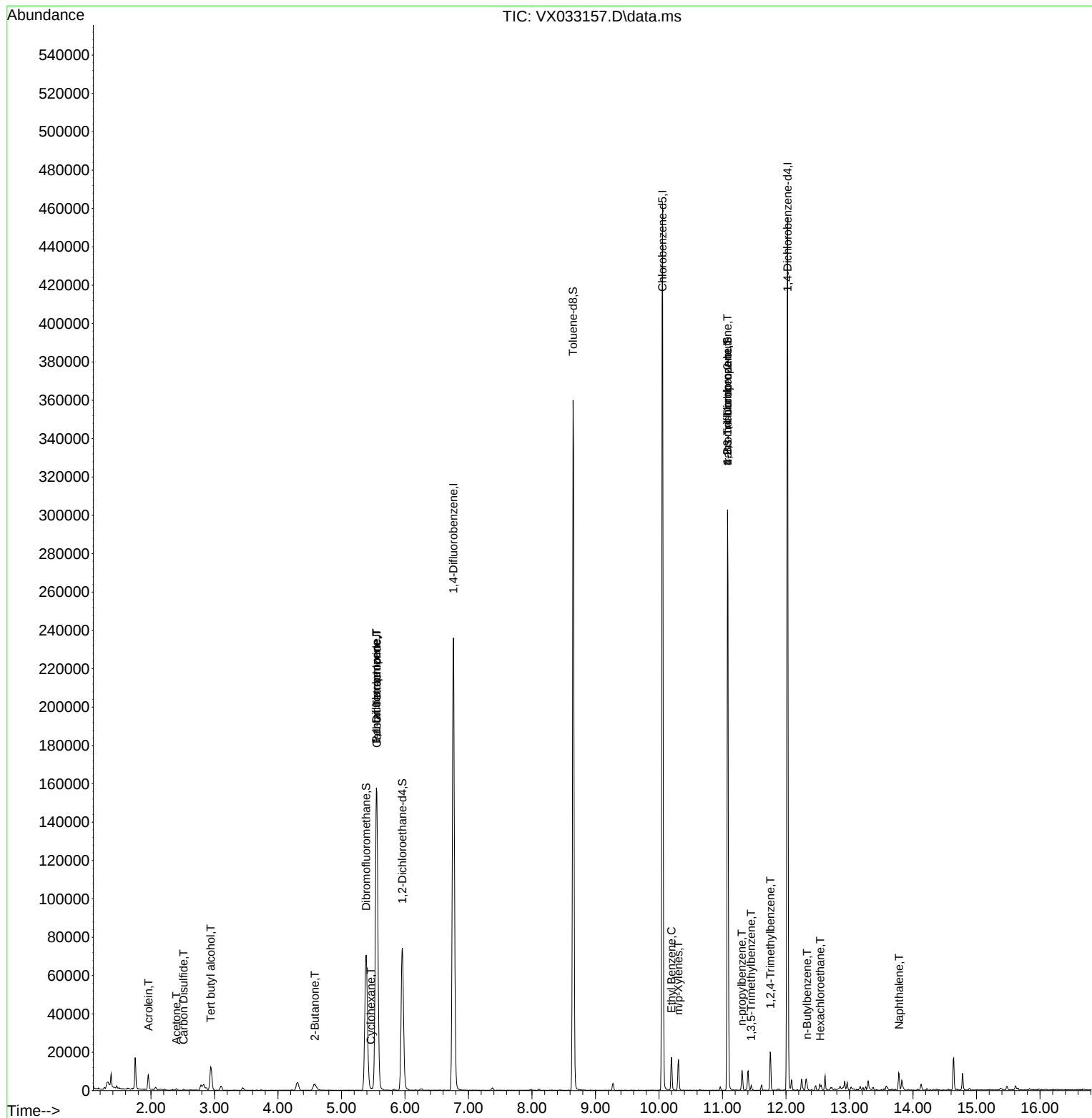
Internal Standards						
1) Pentafluorobenzene	5.550	168	154537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75697	50.137	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.280%			
35) Dibromofluoromethane	5.385	113	63314	45.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.080%			
50) Toluene-d8	8.647	98	212383	50.810	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.079	95	78337	42.897	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.800%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	7024	29.443	ug/l #	72
13) Acrolein	1.959	56	81	0.296	ug/l #	1
16) Acetone	2.398	43	1049	1.493	ug/l #	88
17) Carbon Disulfide	2.514	76	808	0.217	ug/l #	74
20) Methylene Chloride	2.794	84	923	Below Cal	#	65
25) 2-Butanone	4.581	43	249	0.257	ug/l #	47
31) Cyclohexane	5.465	56	527	0.216	ug/l #	66
36) 1,1-Dichloropropene	5.550	75	11371	5.115	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15730	6.379	ug/l #	16
67) Ethyl Benzene	10.195	91	10342	1.388	ug/l	98
68) m/p-Xylenes	10.305	106	4083	1.399	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	40957	22.461	ug/l #	37
78) n-propylbenzene	11.305	91	5275	0.671	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1334	0.231	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	40957	73.007	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	9496	1.648	ug/l	98
89) n-Butylbenzene	12.329	91	1653	0.329	ug/l #	61
90) Hexachloroethane	12.536	117	208	0.217	ug/l #	12
95) Naphthalene	13.780	128	6833	1.110	ug/l	98

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

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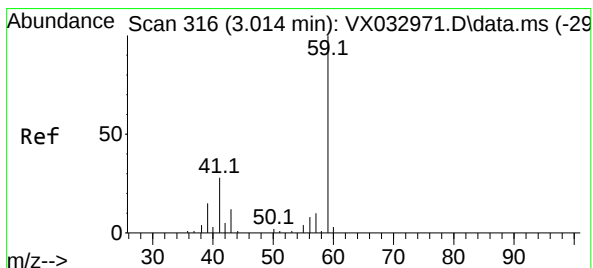
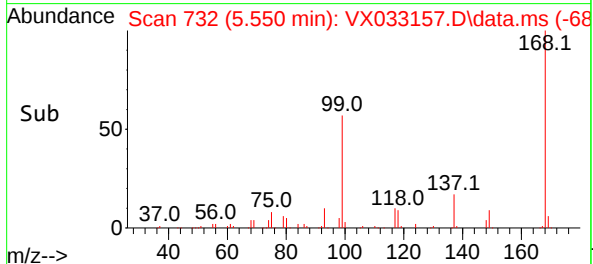
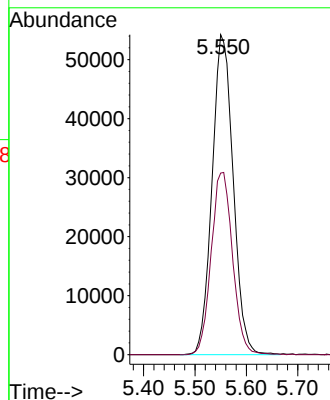
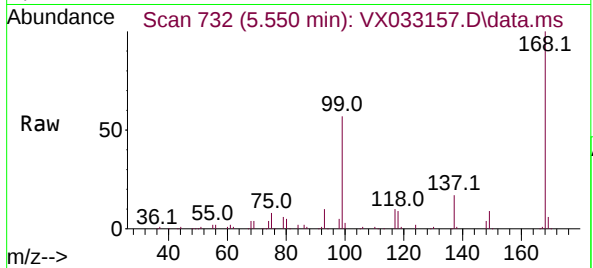




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

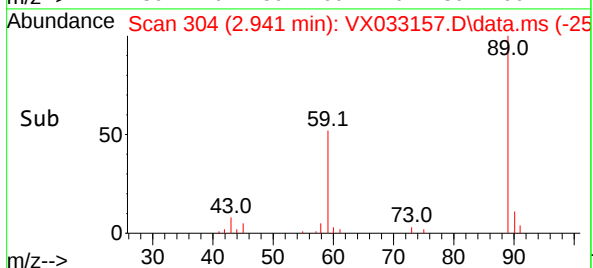
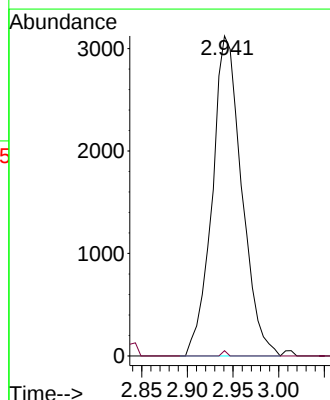
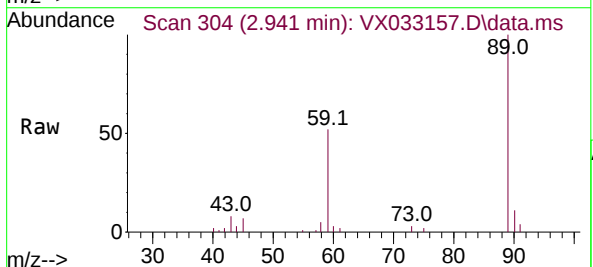
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

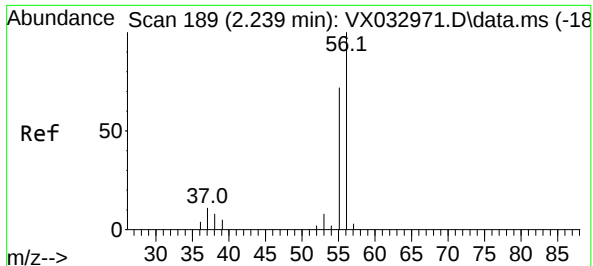
Tgt Ion:168 Resp: 154537
Ion Ratio Lower Upper
168 100
99 56.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 29.443 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 59 Resp: 7024
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

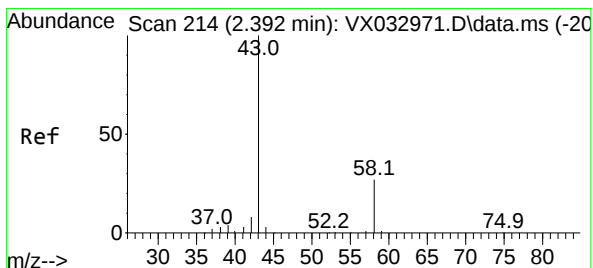
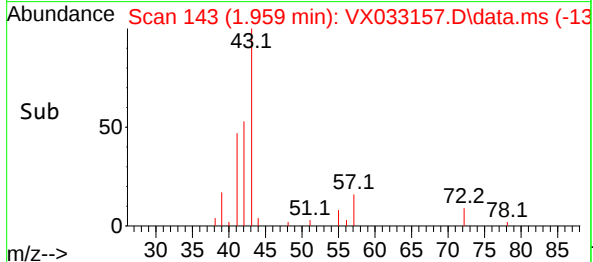
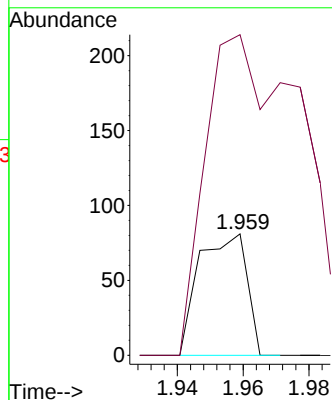
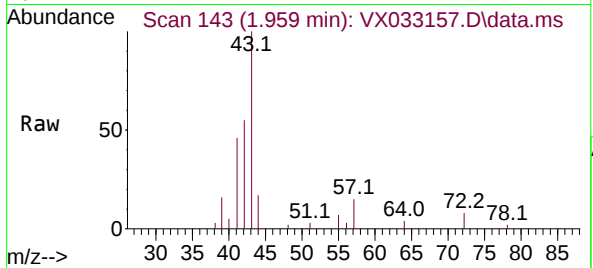




#13
Acrolein
Concen: 0.296 ug/l
RT: 1.959 min Scan# 14
Delta R.T. -0.274 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

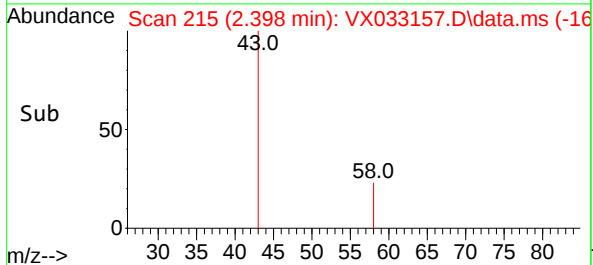
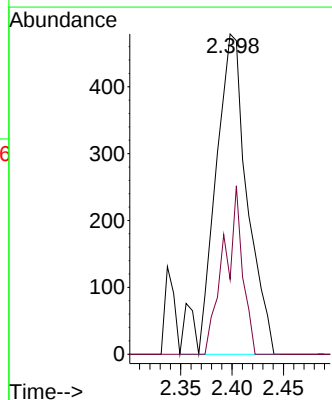
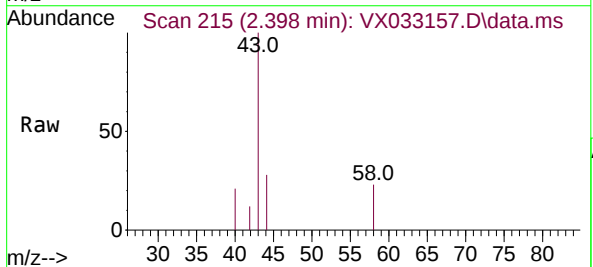
Instrument :
MSVOA_X
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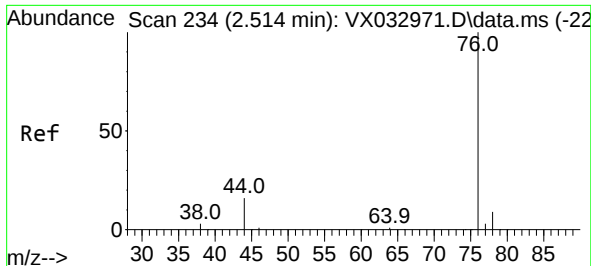
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 528.4 56.9 85.3#



#16
Acetone
Concen: 1.493 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 23.4 23.8 35.8#

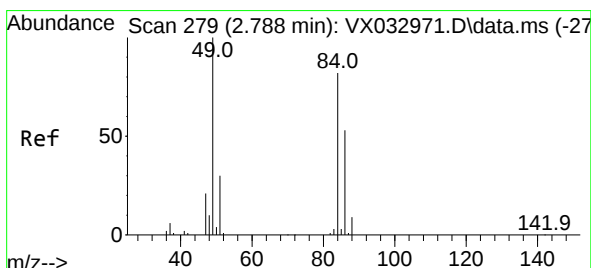
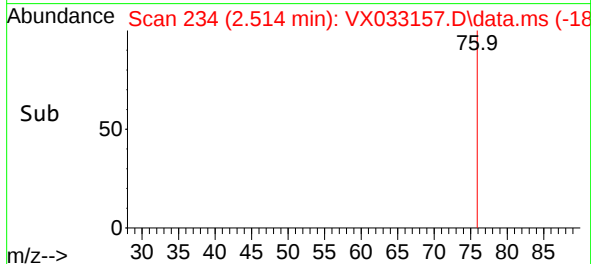
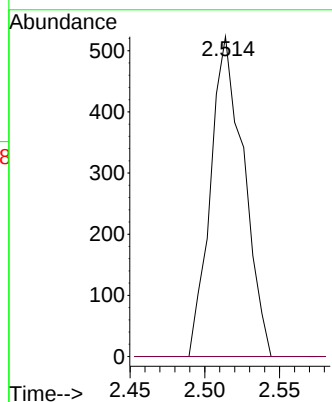
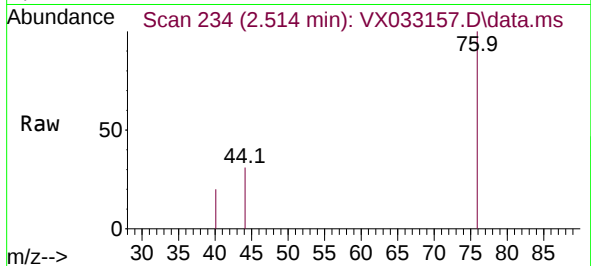




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

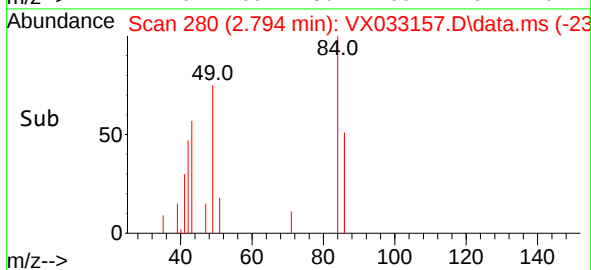
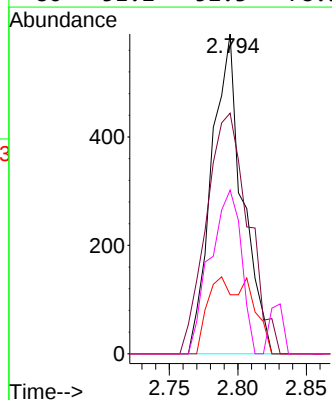
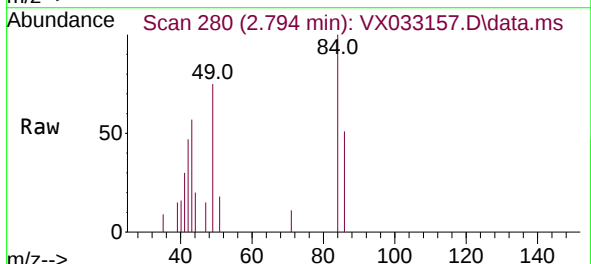
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

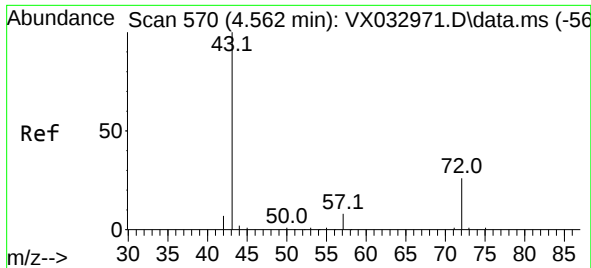
Tgt Ion: 76 Resp: 808
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 84 Resp: 923
Ion Ratio Lower Upper
84 100
49 75.3 101.0 151.6#
51 18.5 31.1 46.7#
86 51.2 52.3 78.5#

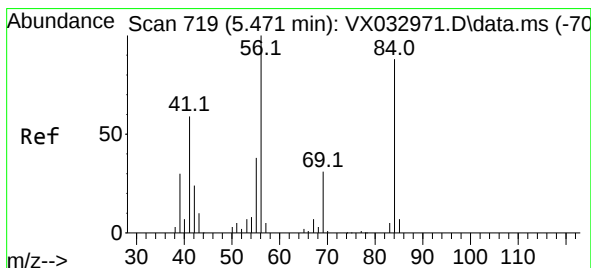
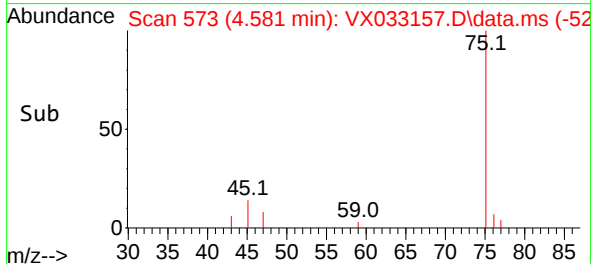
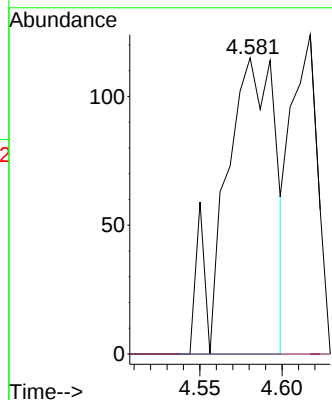
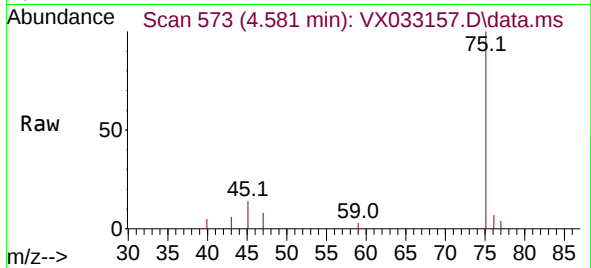




#25
2-Butanone
Concen: 0.257 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

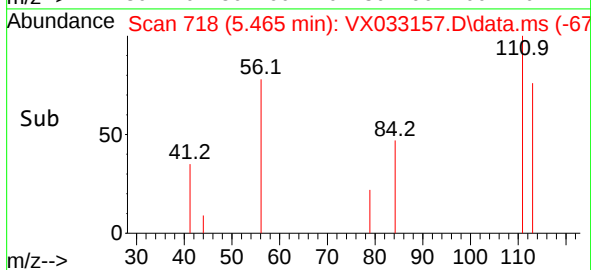
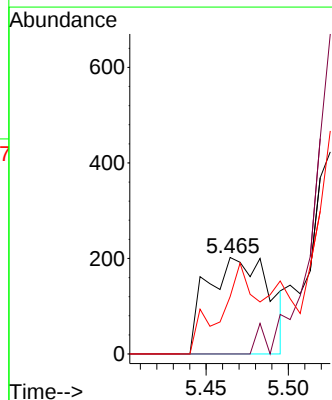
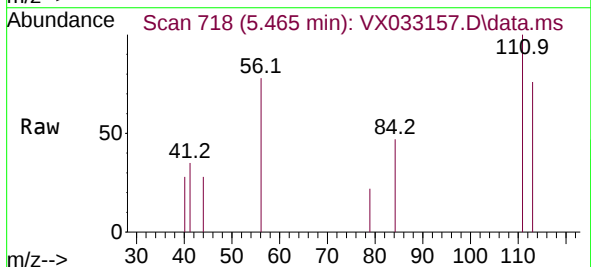
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

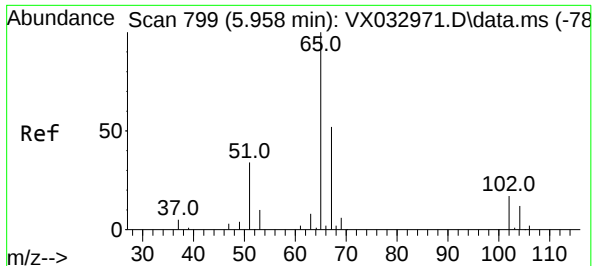
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#31
Cyclohexane
Concen: 0.216 ug/l
RT: 5.465 min Scan# 718
Delta R.T. -0.005 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 56 Resp: 527
Ion Ratio Lower Upper
56 100
69 0.0 24.1 36.1#
84 59.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 50.137 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

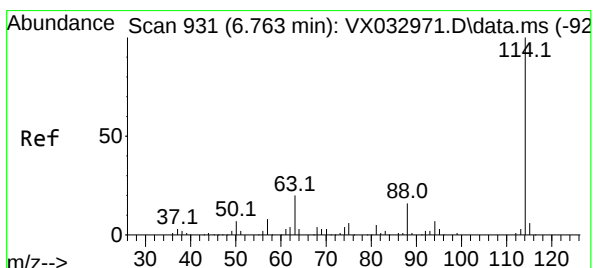
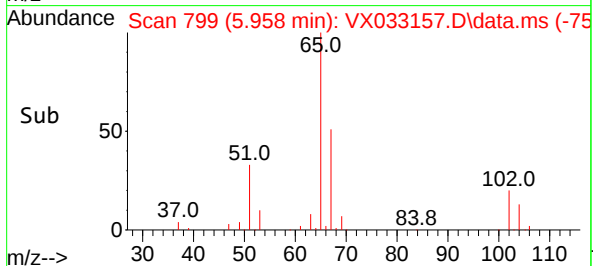
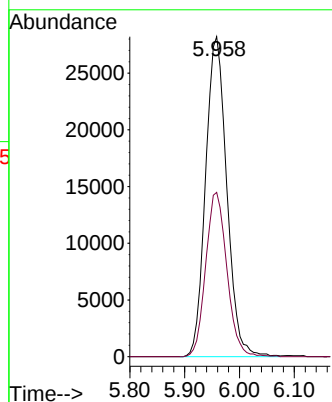
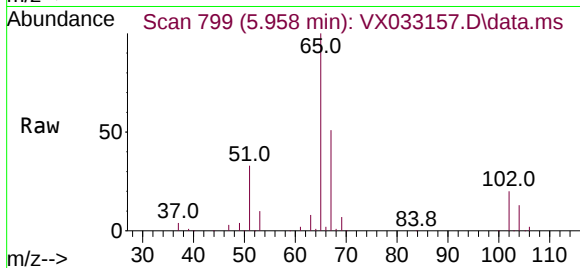
EB-2022-11-29

Tgt Ion: 65 Resp: 75697

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

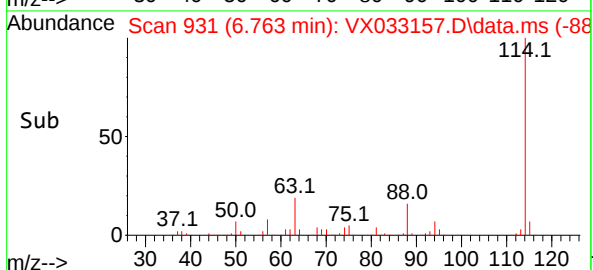
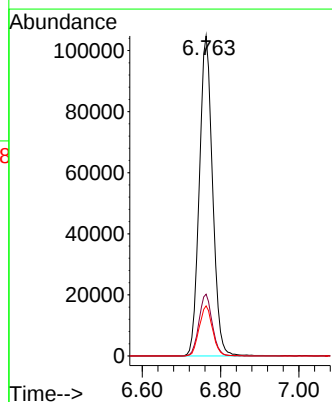
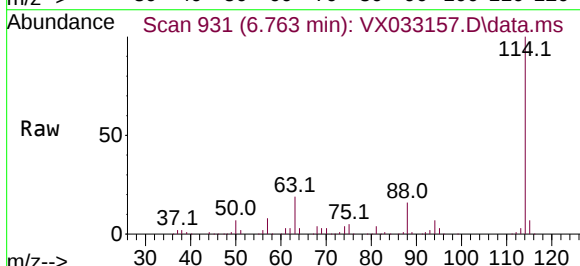
Tgt Ion: 114 Resp: 246593

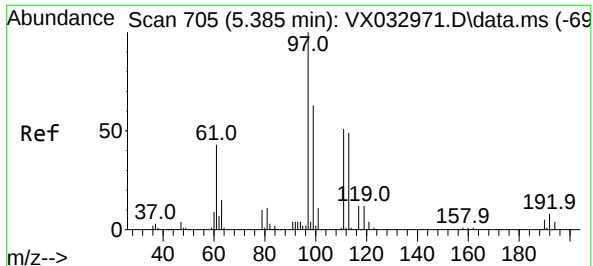
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.543 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

EB-2022-11-29

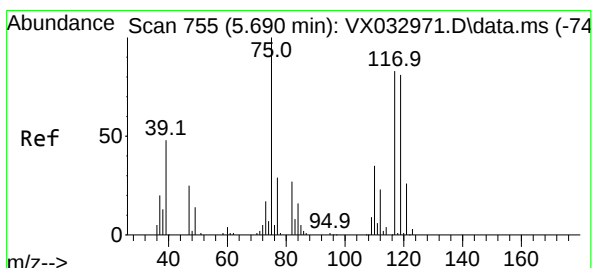
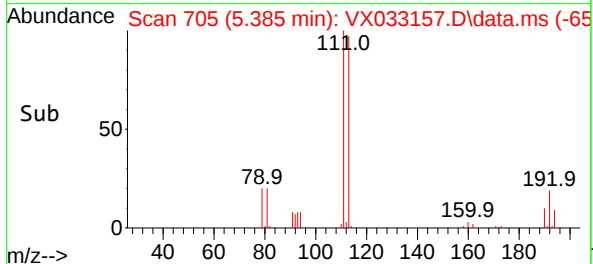
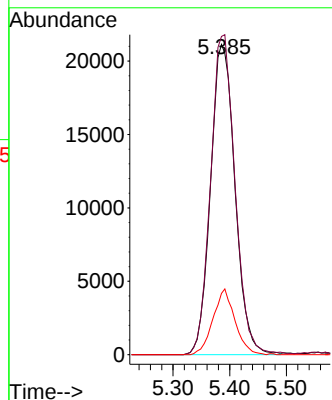
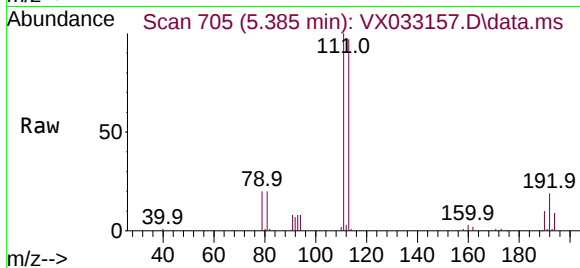
Tgt Ion:113 Resp: 63314

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 19.0 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

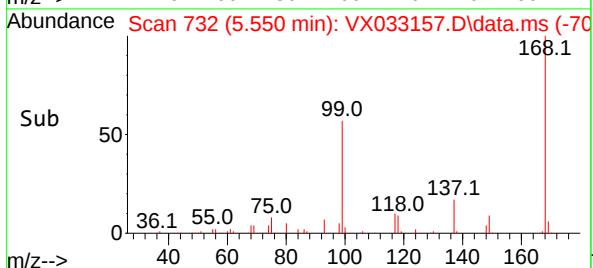
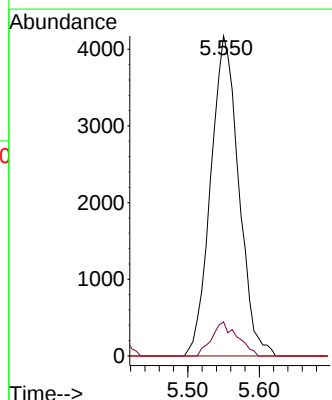
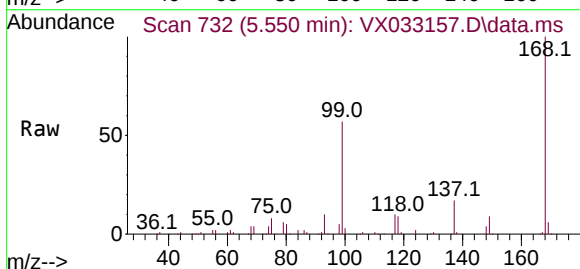
Tgt Ion: 75 Resp: 11371

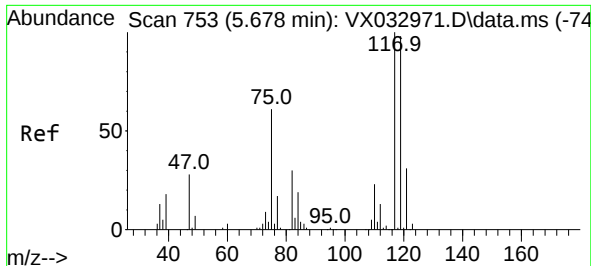
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

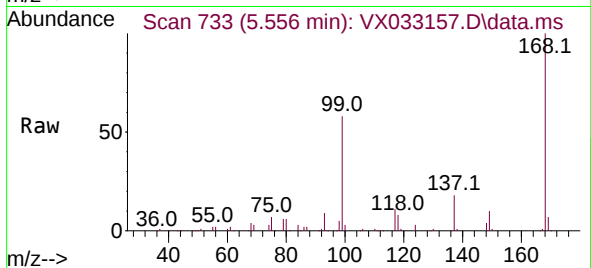
77 0.0 24.5 36.7#



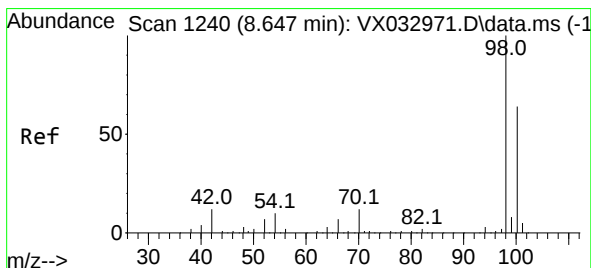
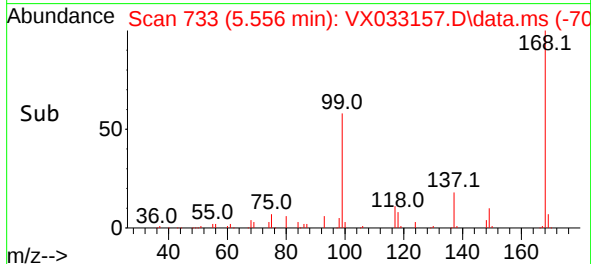
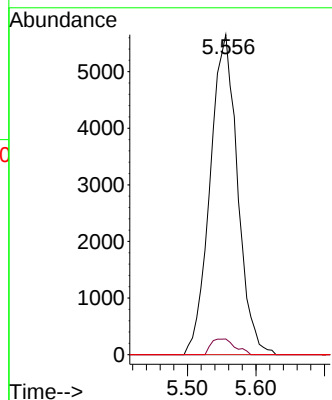


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Instrument :
MSVOA_X
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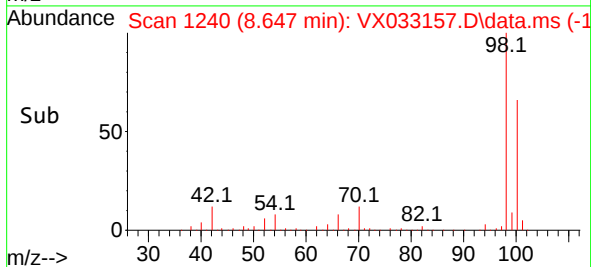
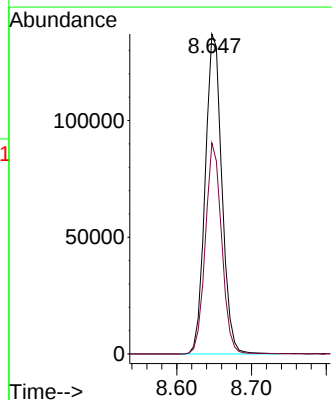
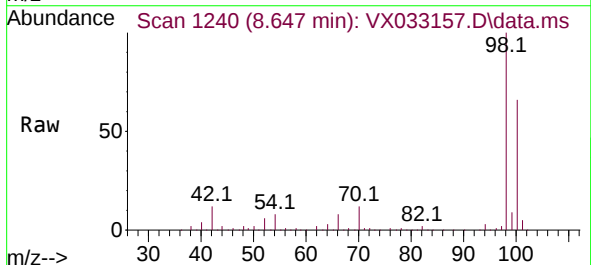


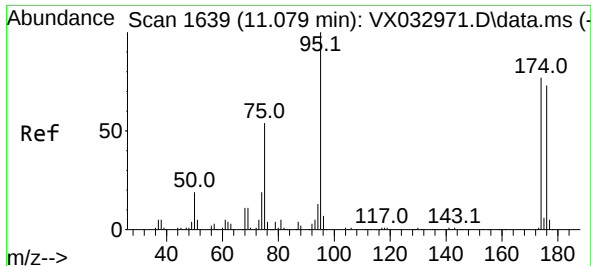
Tgt Ion:117 Resp: 15730
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.810 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 98 Resp: 212383
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 42.897 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

EB-2022-11-29

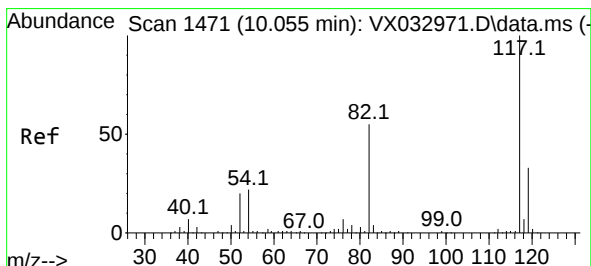
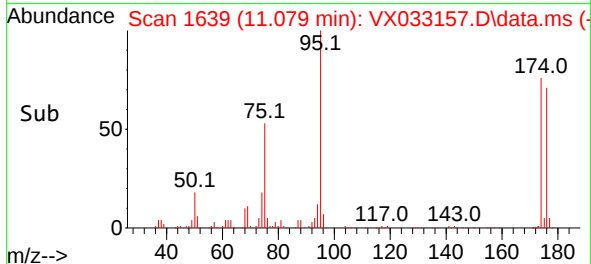
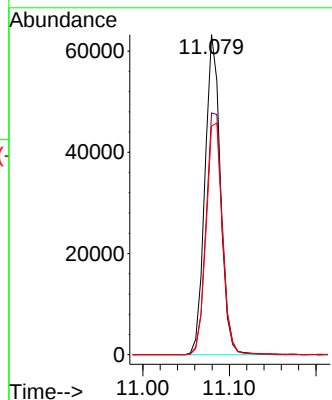
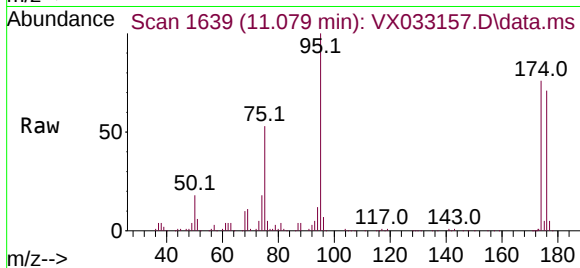
Tgt Ion: 95 Resp: 78337

Ion Ratio Lower Upper

95 100

174 80.1 0.0 164.0

176 76.2 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

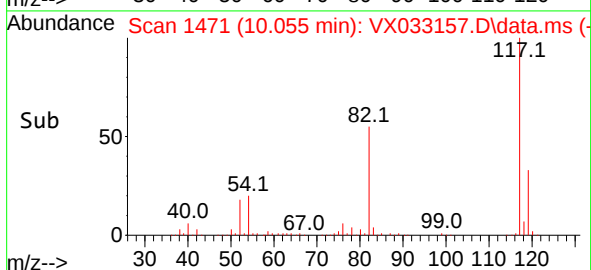
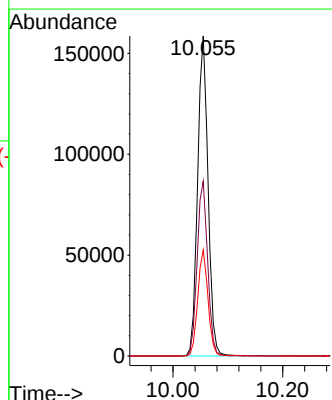
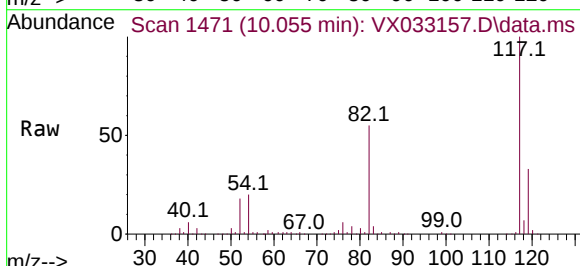
Tgt Ion: 117 Resp: 210731

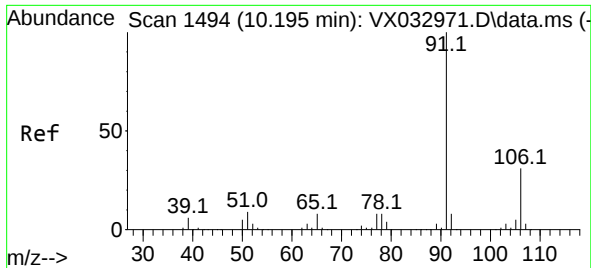
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 33.2 25.7 38.5

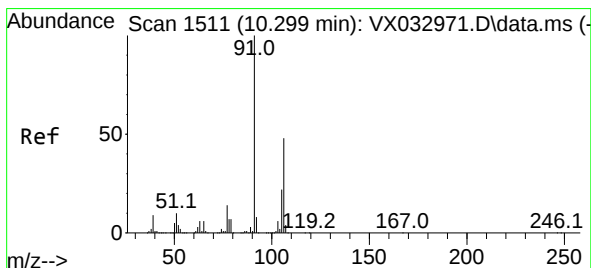
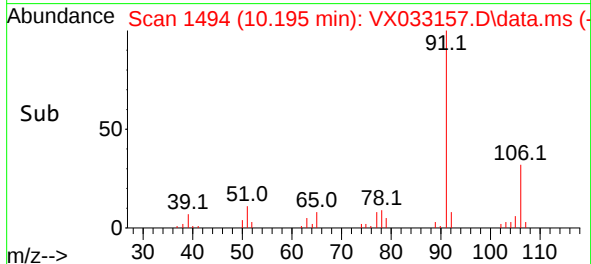
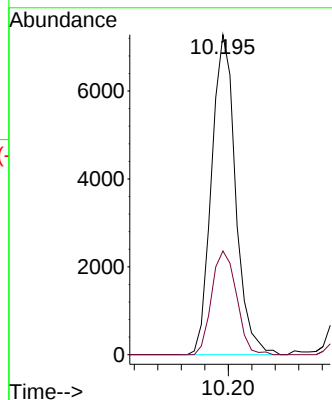
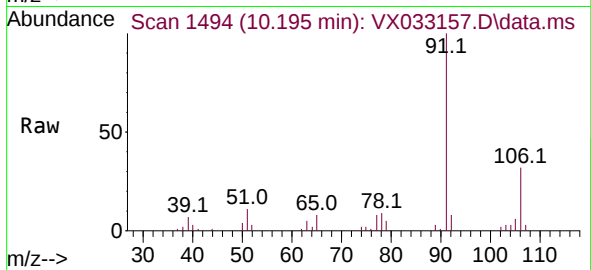




#67
Ethyl Benzene
Concen: 1.388 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

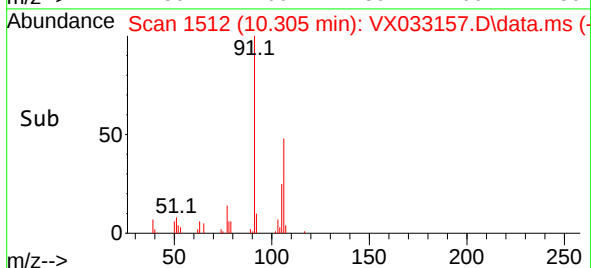
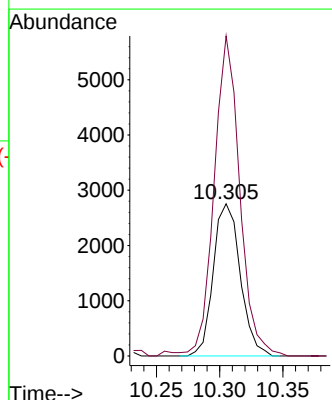
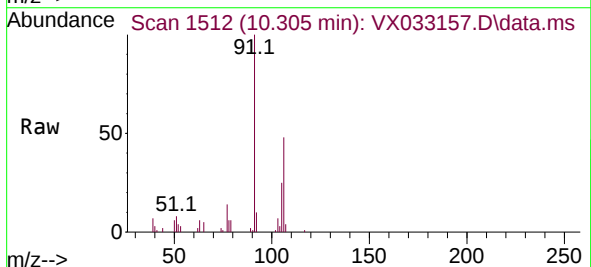
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

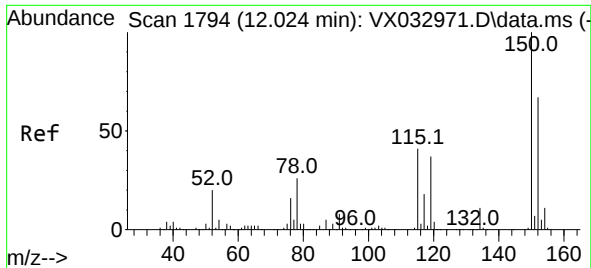
Tgt Ion: 91 Resp: 10342
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.6



#68
m/p-Xylenes
Concen: 1.399 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 106 Resp: 4083
Ion Ratio Lower Upper
106 100
91 201.0 164.5 246.7

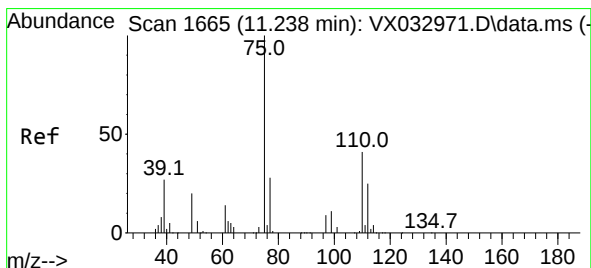
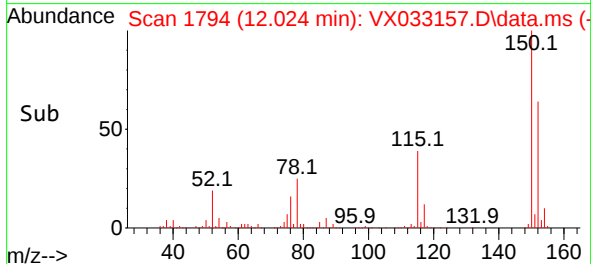
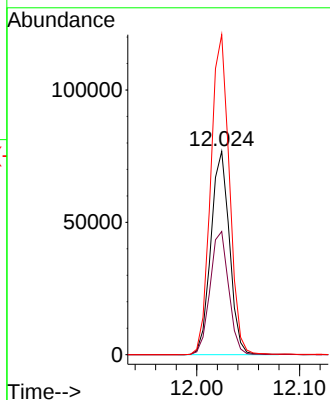
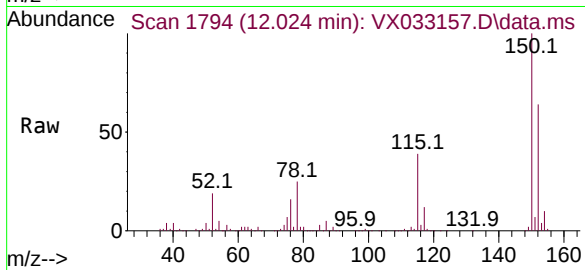




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

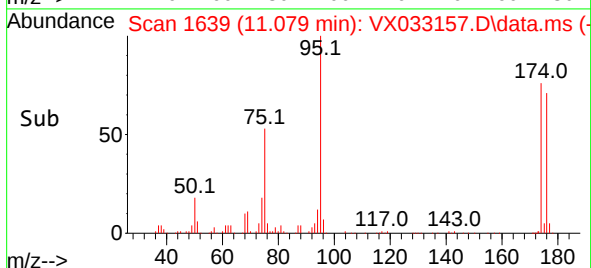
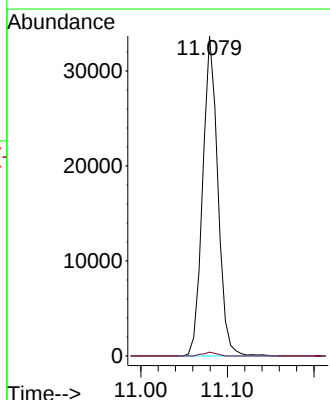
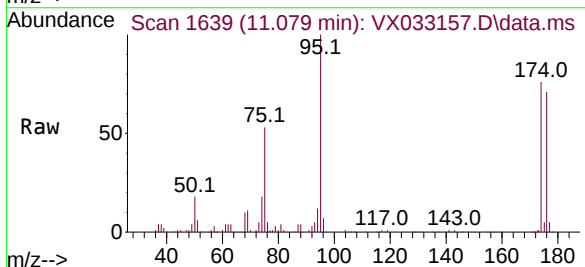
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

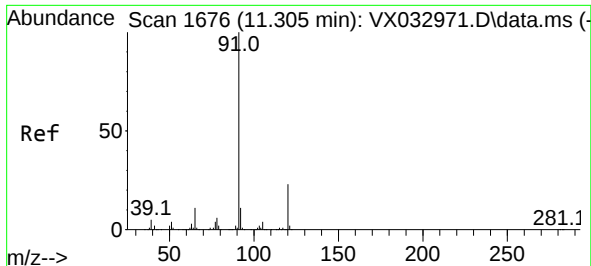
Tgt Ion:152 Resp: 96286
Ion Ratio Lower Upper
152 100
115 60.8 44.0 132.0
150 157.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 22.461 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 75 Resp: 40957
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#

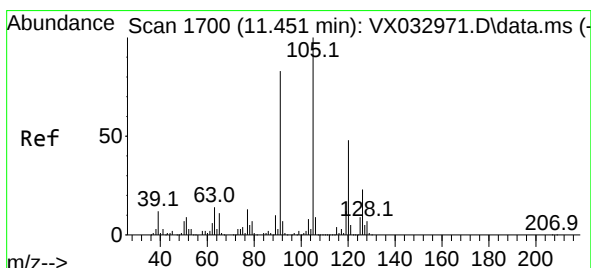
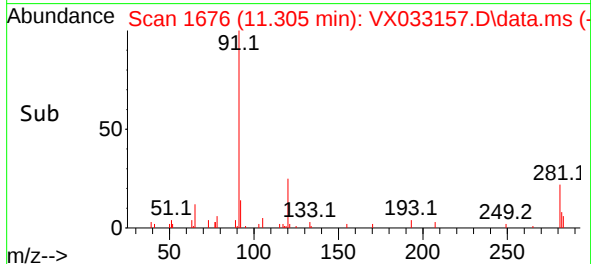
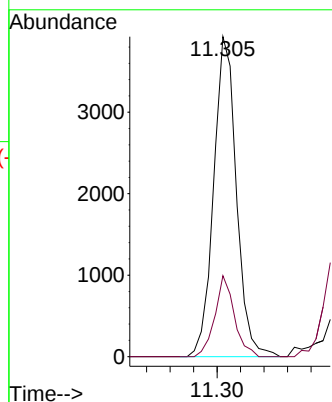
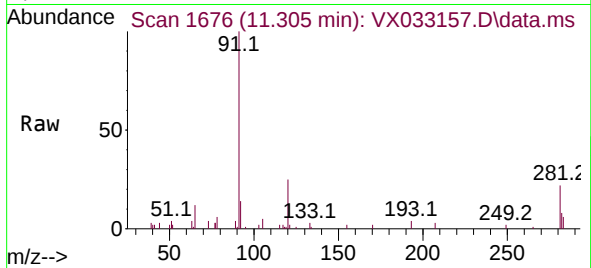




#78
n-propylbenzene
Concen: 0.671 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

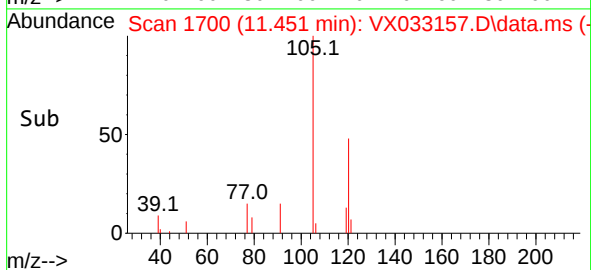
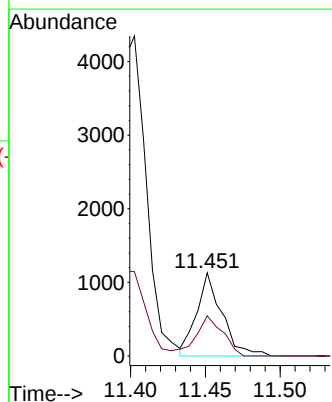
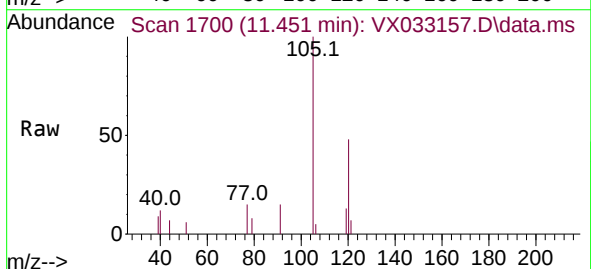
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

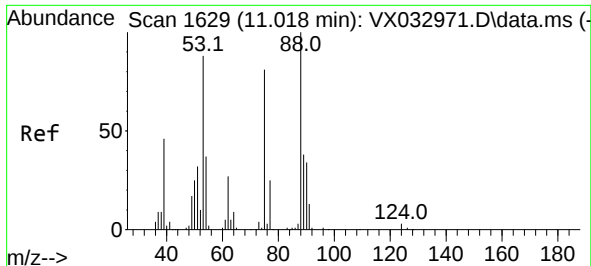
Tgt Ion: 91 Resp: 5275
Ion Ratio Lower Upper
91 100
120 21.6 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.231 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 105 Resp: 1334
Ion Ratio Lower Upper
105 100
120 51.5 23.6 71.0

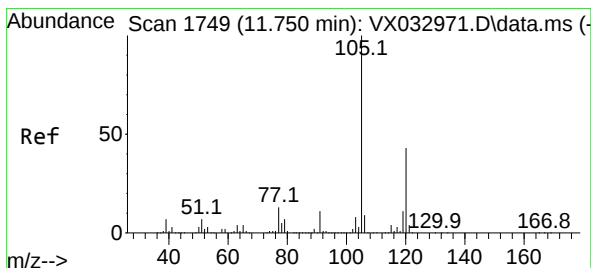
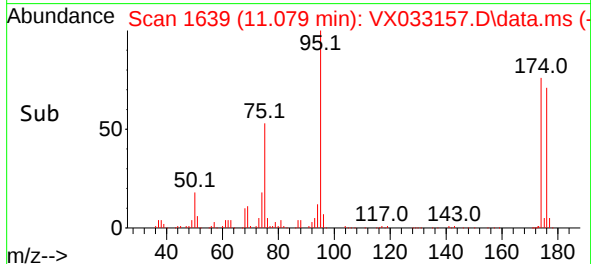
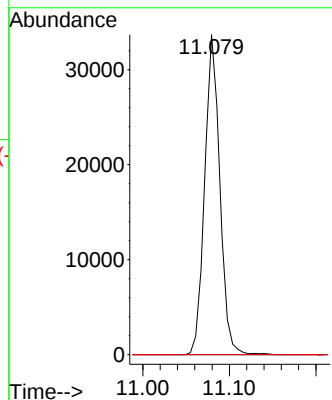
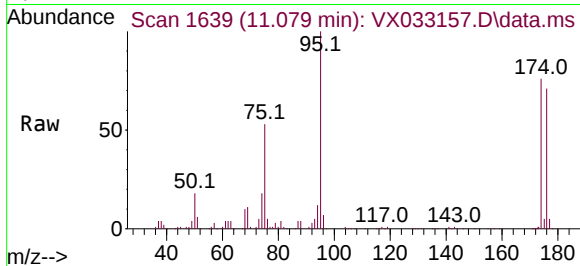




#81
trans-1,4-Dichloro-2-butene
Concen: 73.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

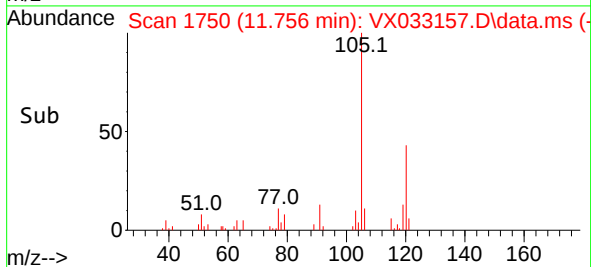
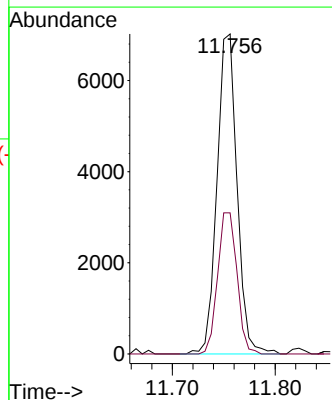
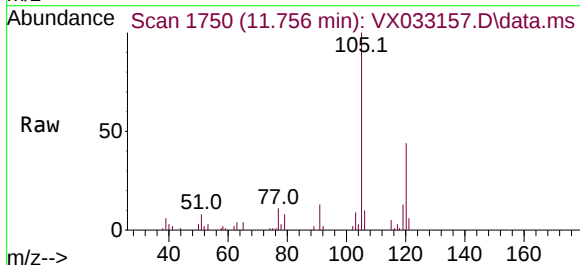
Instrument :
MSVOA_X
ClientSampleId :
EB-2022-11-29

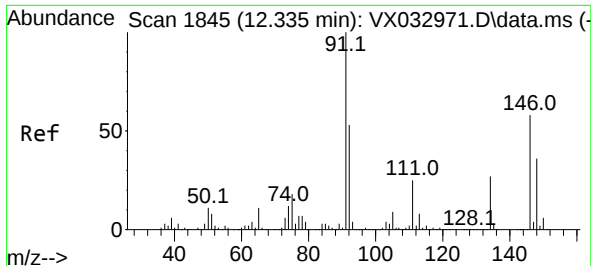
Tgt Ion: 75 Resp: 40957
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.648 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033157.D
Acq: 01 Dec 2022 12:50

Tgt Ion: 105 Resp: 9496
Ion Ratio Lower Upper
105 100
120 42.6 21.9 65.5





#89

n-Butylbenzene

Concen: 0.329 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033157.D

Acq: 01 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

EB-2022-11-29

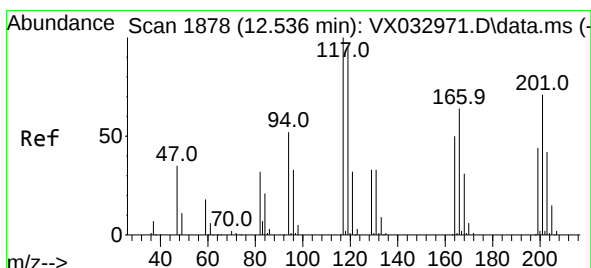
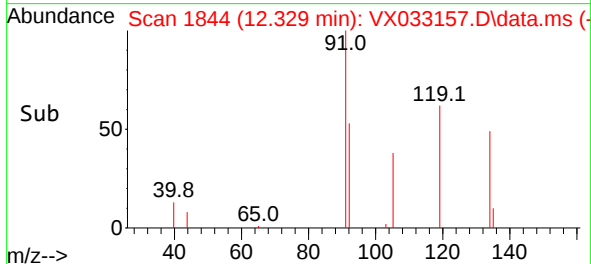
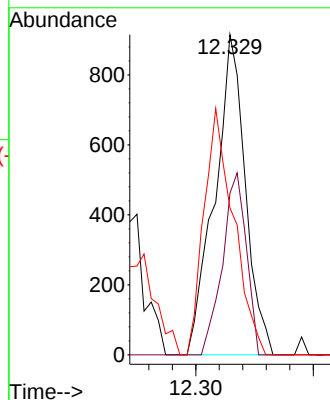
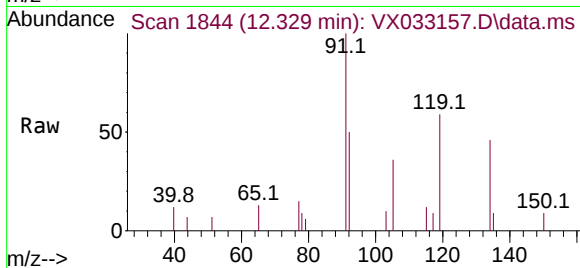
Tgt Ion: 91 Resp: 1653

Ion Ratio Lower Upper

91 100

92 44.3 26.2 78.6

134 74.7 12.9 38.6#



#90

Hexachloroethane

Concen: 0.217 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX033157.D

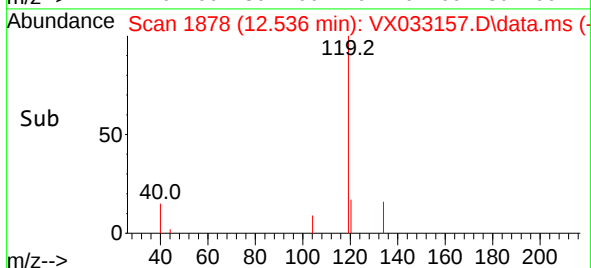
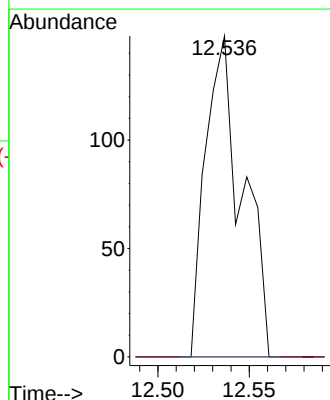
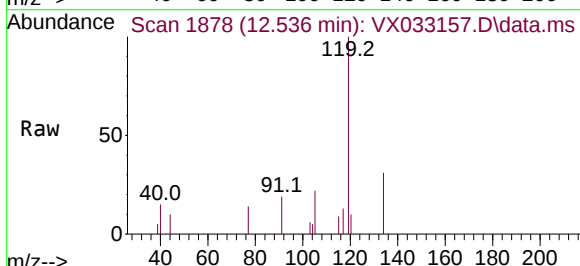
Acq: 01 Dec 2022 12:50

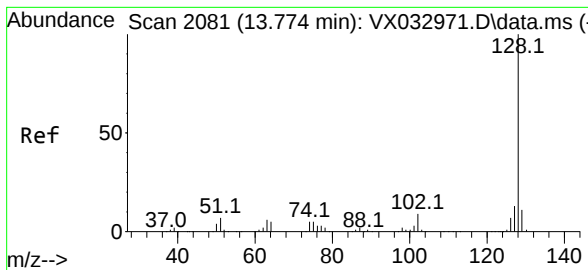
Tgt Ion: 117 Resp: 208

Ion Ratio Lower Upper

117 100

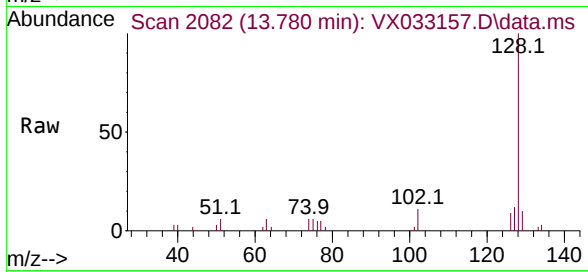
201 0.0 37.6 112.9#





#95
 Naphthalene
 Concen: 1.110 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX033157.D
 Acq: 01 Dec 2022 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2022-11-29



Tgt Ion:	128	Resp:	6833
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	9.3	8.9	13.3

