

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033370.D
 Acq On : 12 Dec 2022 13:24
 Operator : JC/MD
 Sample : VX1212WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

Quant Time: Dec 13 07:30:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

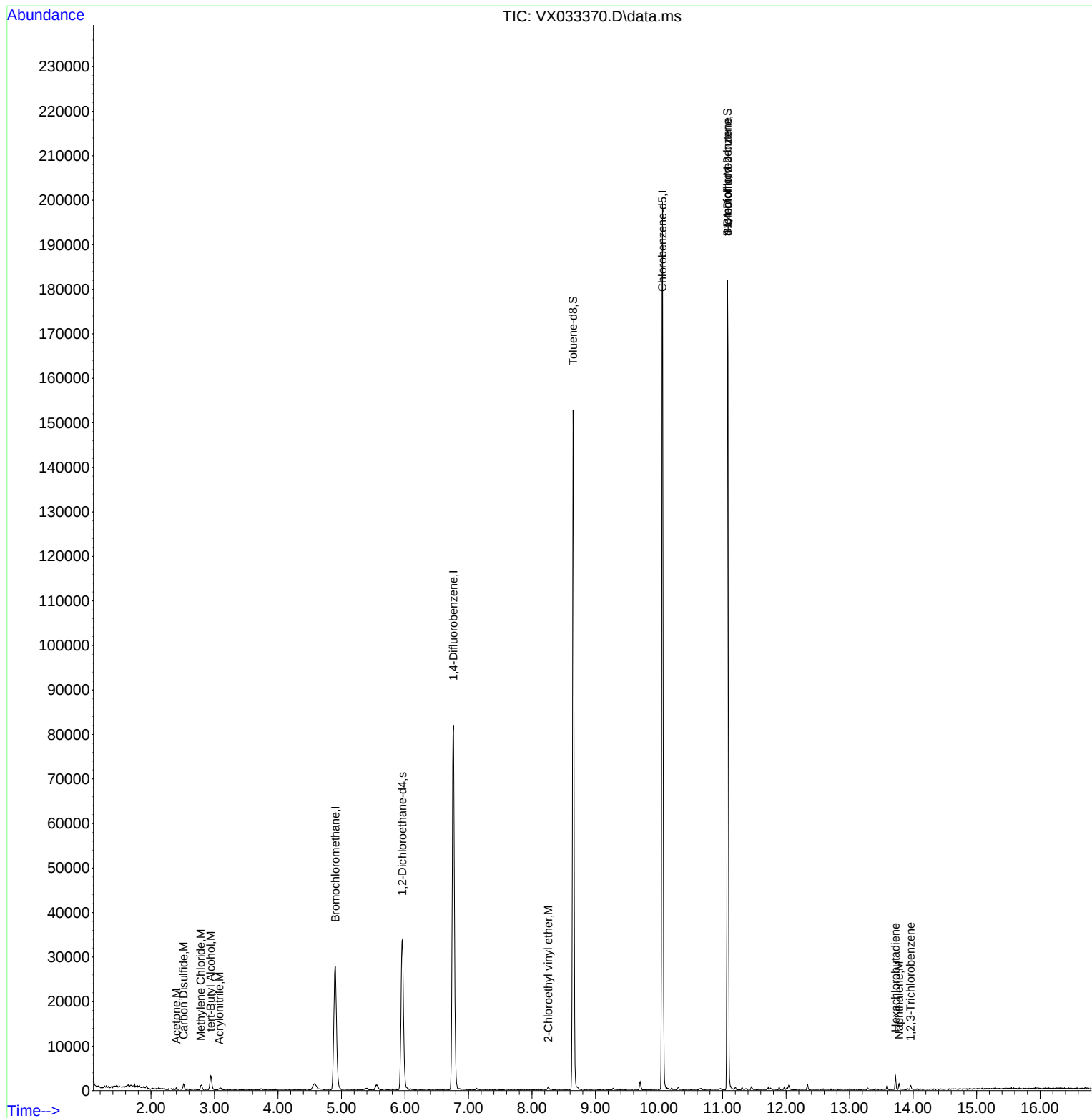
Internal Standards						
1) Bromochloromethane	4.904	128	12813	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	87498	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	92776	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	35197	31.278	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.267%
60) 4-Bromofluorobenzene	11.079	95	48163	28.029	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.433%
63) Toluene-d8	8.647	98	92634	30.016	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.067%
Target Compounds						
					Qvalue	
14) Acrylonitrile	3.075	53	125	0.221	ug/l #	58
15) Acetone	2.398	58	48	0.247	ug/l #	44
16) Carbon Disulfide	2.514	76	1522	0.512	ug/l	97
18) Methylene Chloride	2.782	84	591	0.461	ug/l #	71
23) tert-Butyl Alcohol	2.941	59	1805	7.473	ug/l #	1
55) 2-Chloroethyl vinyl ether	8.257	63	426	0.475	ug/l #	53
56) Bromoform	11.079	173	427	0.368	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25316	45.080	ug/l #	9
90) Hexachlorobutadiene	13.725	225	508	0.673	ug/l	90
91) Naphthalene	13.780	128	1190	0.207	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	466	0.262	ug/l	83

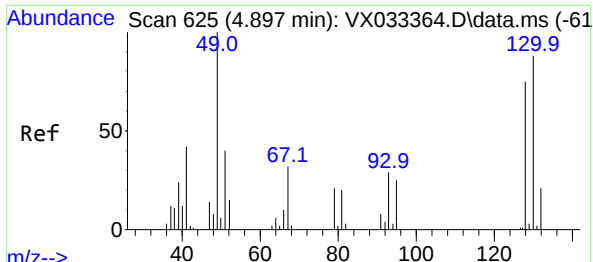
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
Data File : VX033370.D
Acq On : 12 Dec 2022 13:24
Operator : JC/MD
Sample : VX1212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

Quant Time: Dec 13 07:30:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:37:35 2022
Response via : Initial Calibration

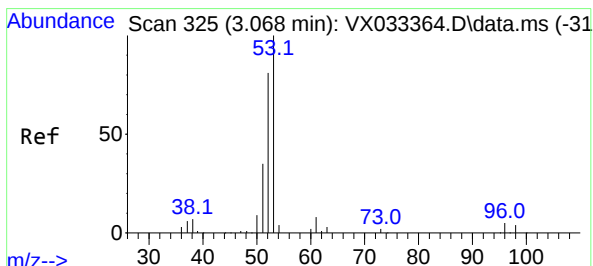
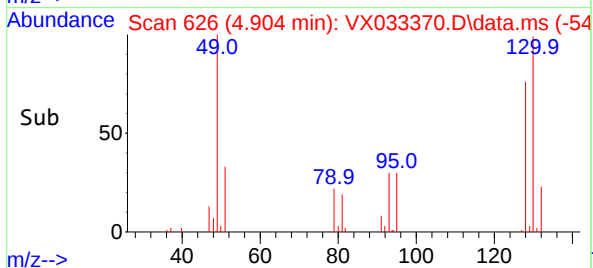
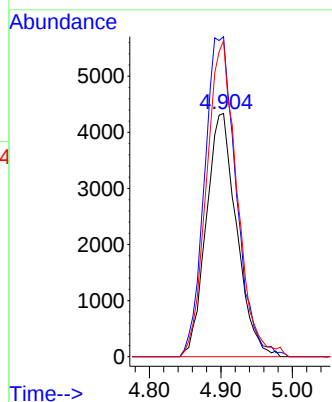
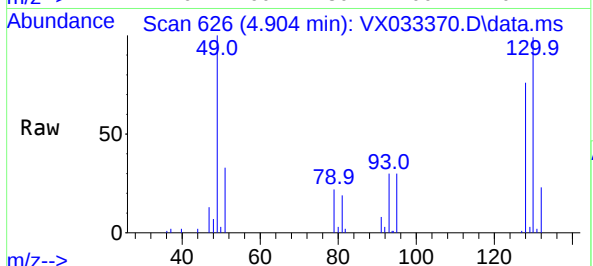




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

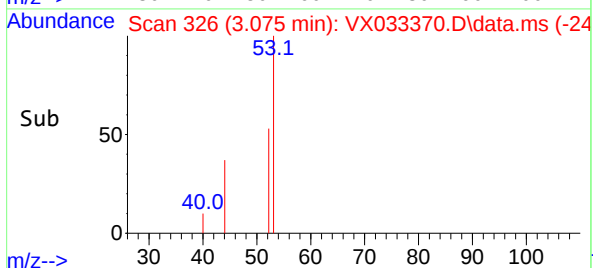
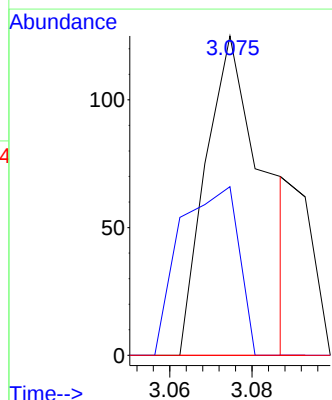
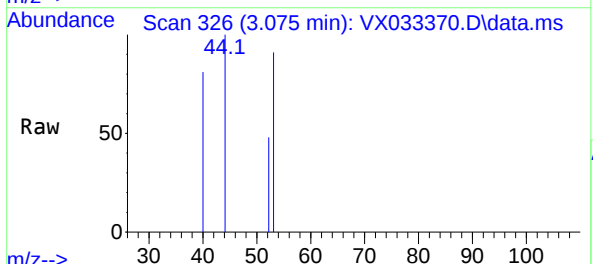
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

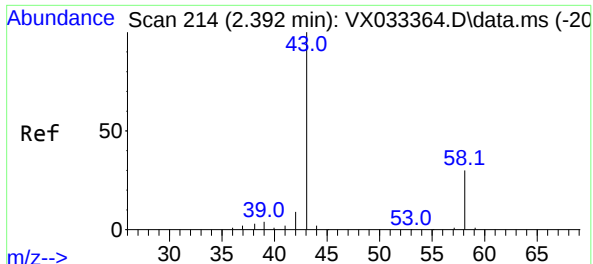
Tgt Ion:128 Resp: 12813
Ion Ratio Lower Upper
128 100
49 135.7 0.0 339.5
130 129.3 0.0 318.0



#14
Acrylonitrile
Concen: 0.221 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion: 53 Resp: 125
Ion Ratio Lower Upper
53 100
52 52.0 40.3 120.8
51 0.0 18.4 55.4#

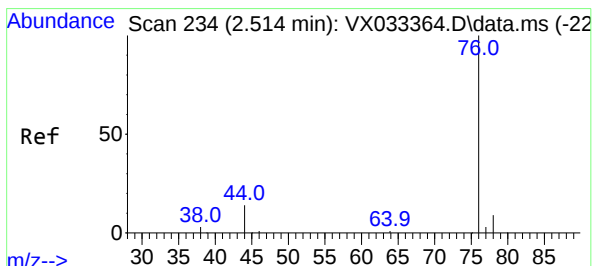
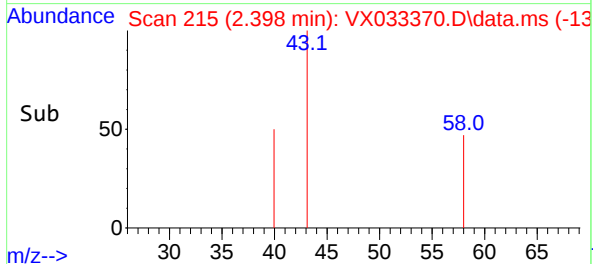
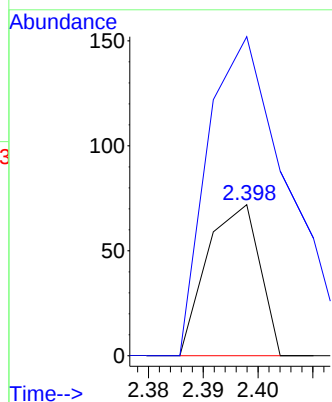
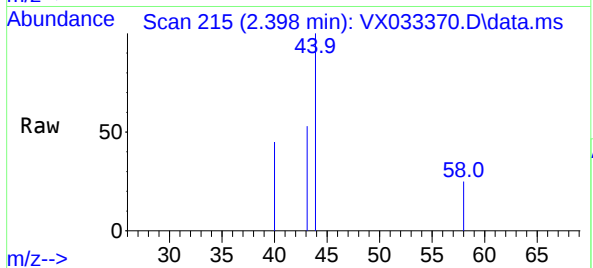




#15
Acetone
Concen: 0.247 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

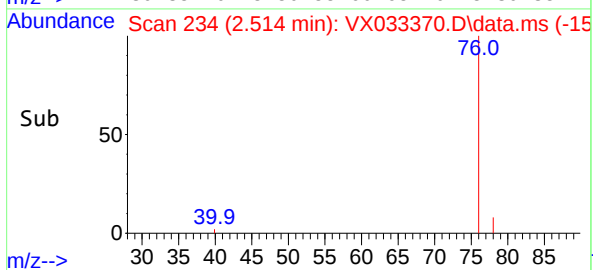
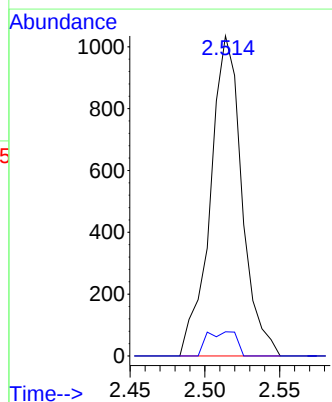
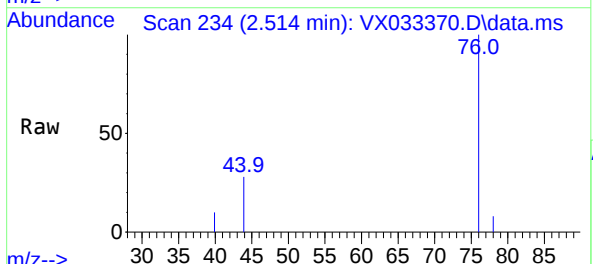
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

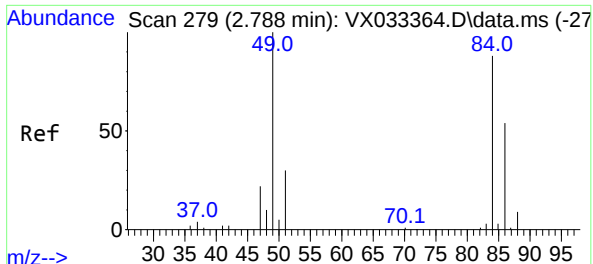
Tgt Ion: 58 Resp: 48
Ion Ratio Lower Upper
58 100
43 211.1 262.9 394.3#



#16
Carbon Disulfide
Concen: 0.512 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion: 76 Resp: 1522
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.4





#18

Methylene Chloride

Concen: 0.461 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX033370.D

Acq: 12 Dec 2022 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

Tgt Ion: 84 Resp: 591

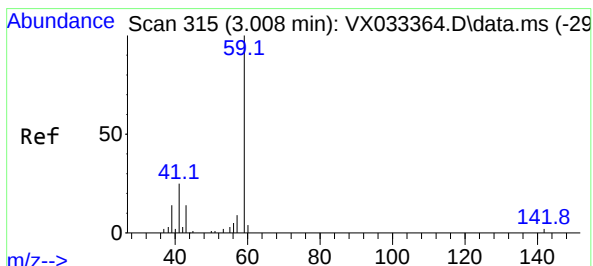
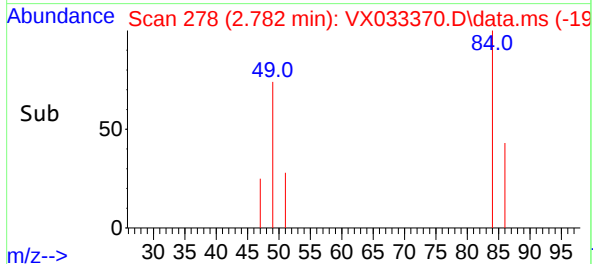
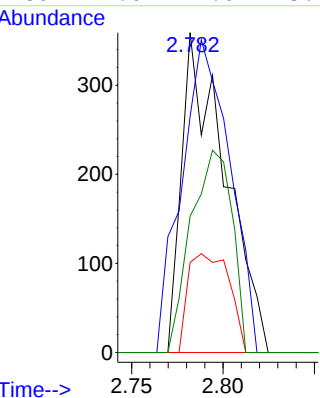
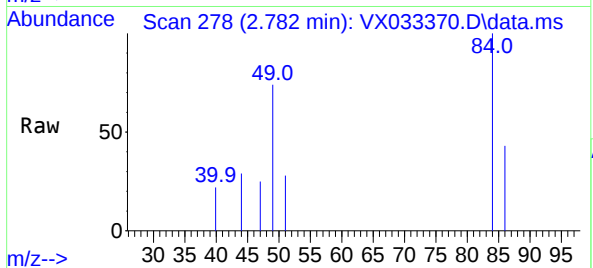
Ion Ratio Lower Upper

84 100

49 73.8 91.2 136.8#

51 28.1 27.3 40.9

86 42.6 49.0 73.4#



#23

tert-Butyl Alcohol

Concen: 7.473 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX033370.D

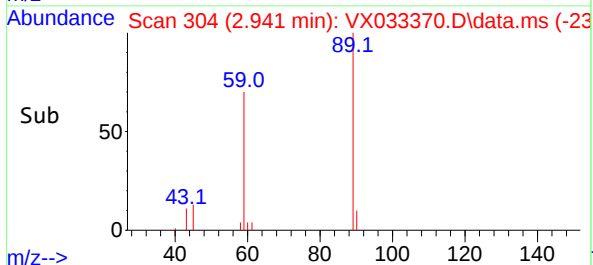
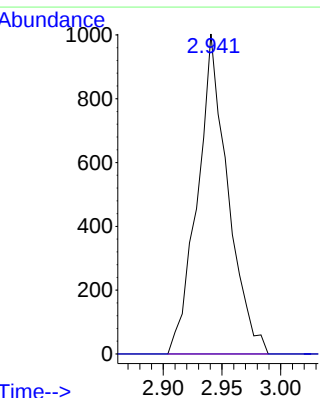
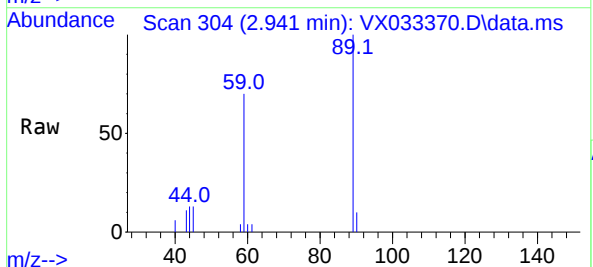
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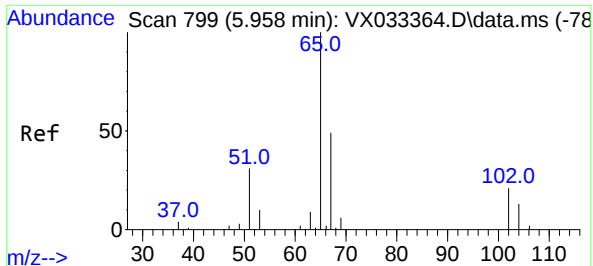
Tgt Ion: 59 Resp: 1805

Ion Ratio Lower Upper

59 100

52 3.6 149.0 223.6#

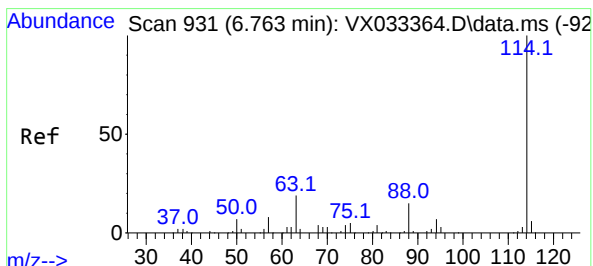
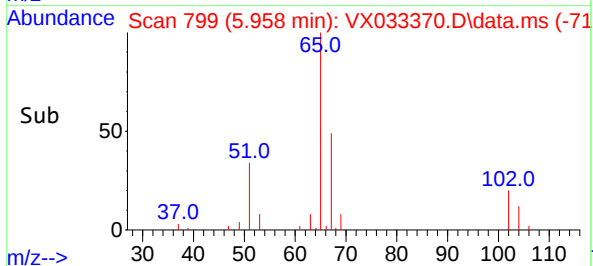
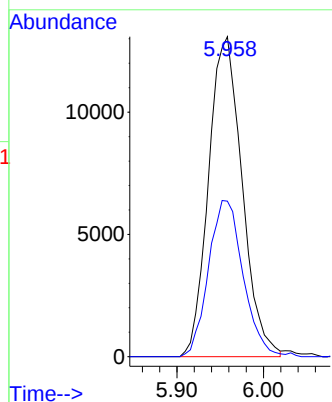
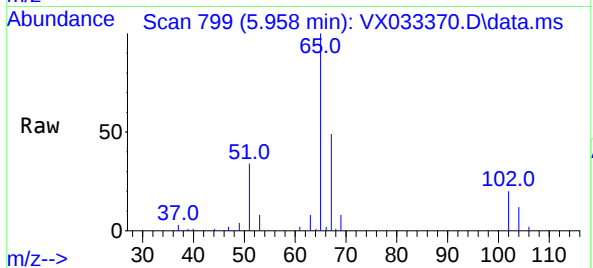




#27
1,2-Dichloroethane-d4
Concen: 31.278 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

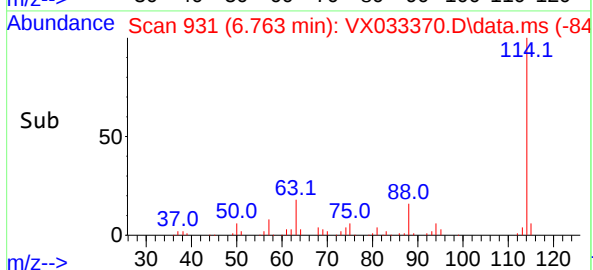
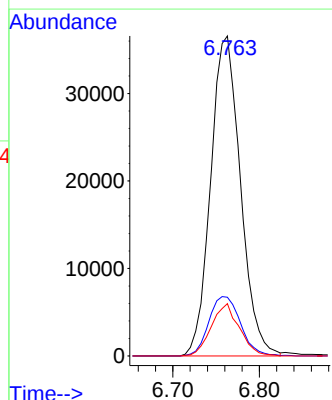
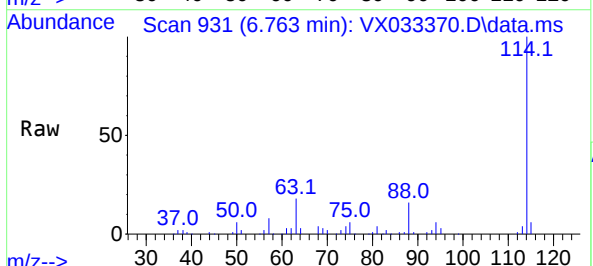
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

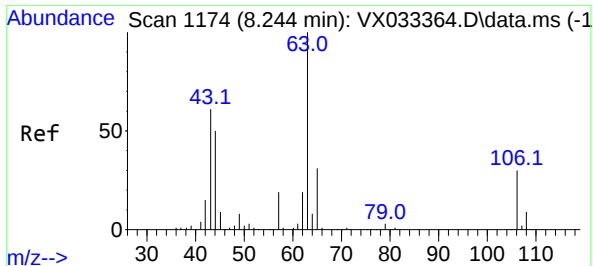
Tgt Ion: 65 Resp: 35197
Ion Ratio Lower Upper
65 100
67 50.4 39.8 59.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion: 114 Resp: 87498
Ion Ratio Lower Upper
114 100
63 19.7 15.2 22.8
88 15.4 12.2 18.4

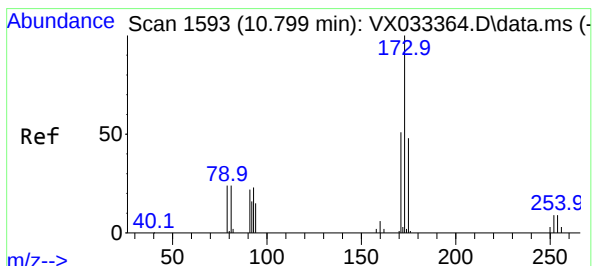
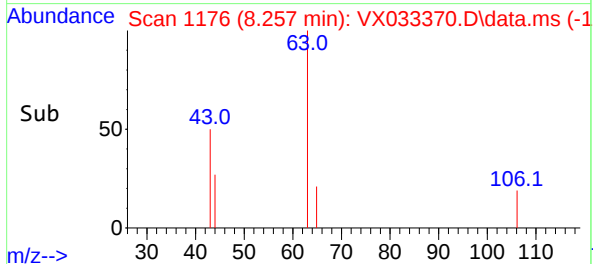
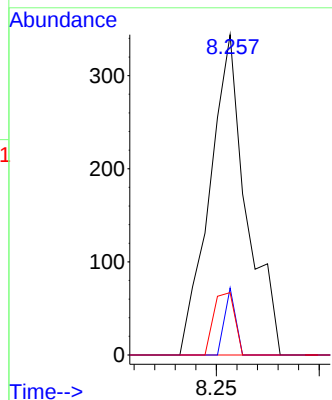
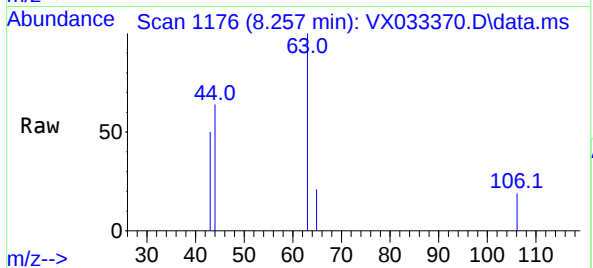




#55
2-Chloroethyl vinyl ether
Concen: 0.475 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

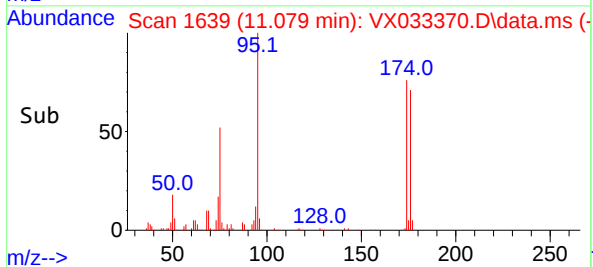
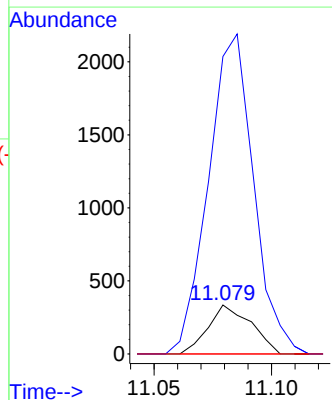
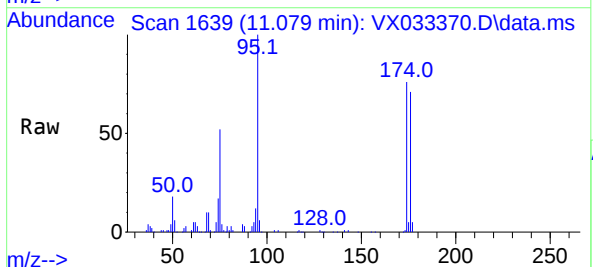
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

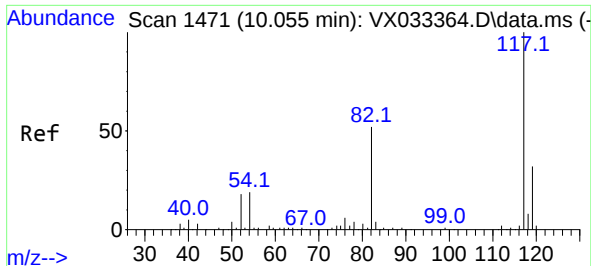
Tgt Ion:	63	Resp:	426
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.8#
106	11.3	24.2	36.4#



#56
Bromoform
Concen: 0.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion:	173	Resp:	427
Ion	Ratio	Lower	Upper
173	100		
175	686.9	39.6	59.4#
254	0.0	7.1	10.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033370.D

Acq: 12 Dec 2022 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

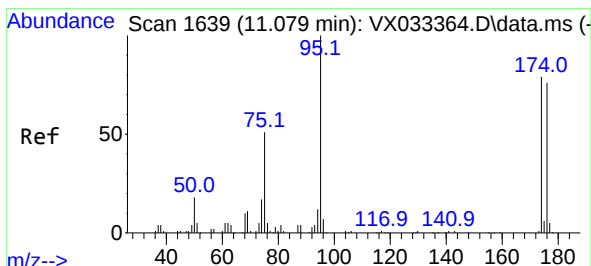
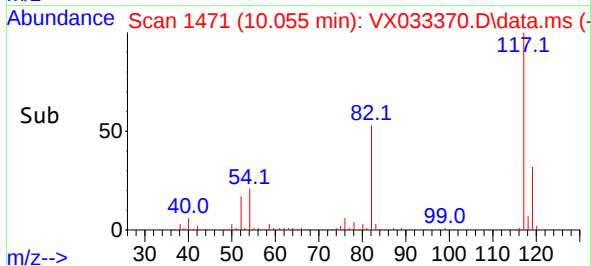
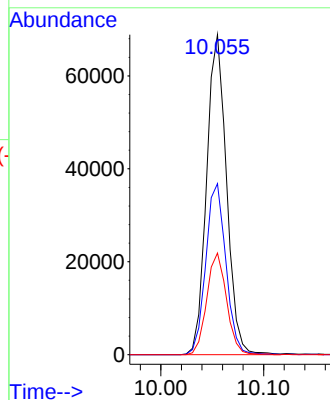
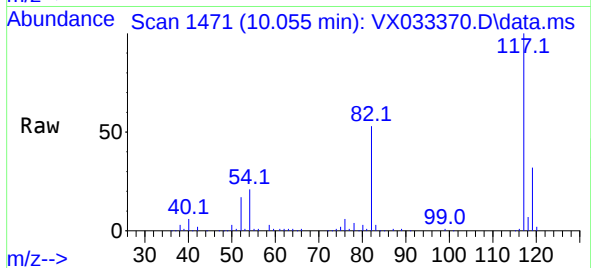
Tgt Ion:117 Resp: 92776

Ion Ratio Lower Upper

117 100

82 54.1 43.7 65.5

119 31.5 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 28.029 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033370.D

Acq: 12 Dec 2022 13:24

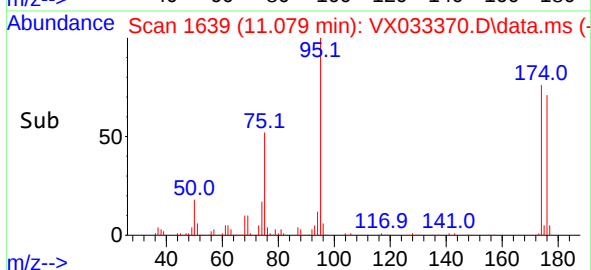
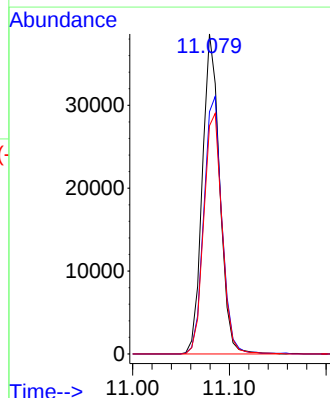
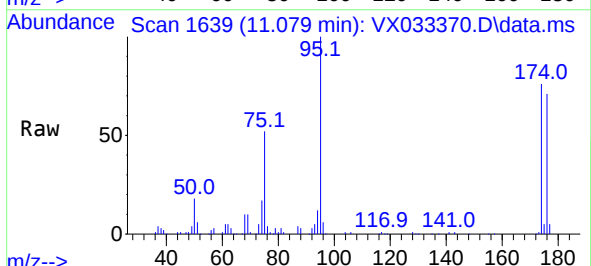
Tgt Ion: 95 Resp: 48163

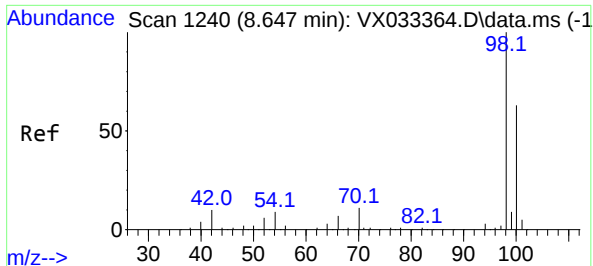
Ion Ratio Lower Upper

95 100

174 83.5 65.9 98.9

176 79.4 63.3 94.9

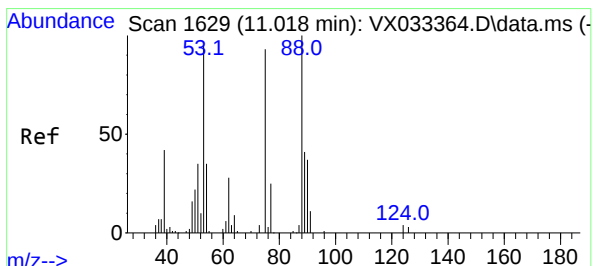
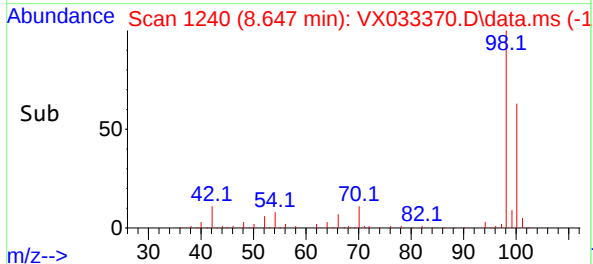
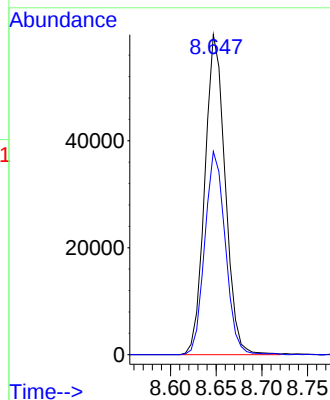
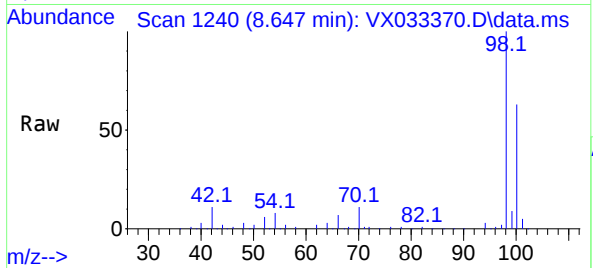




#63
Toluene-d8
Concen: 30.016 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

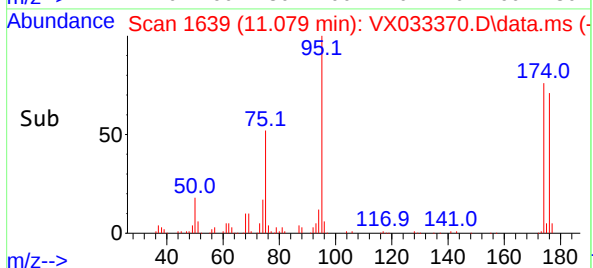
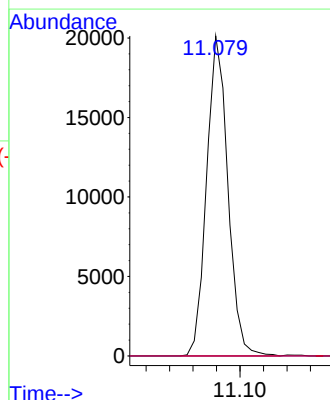
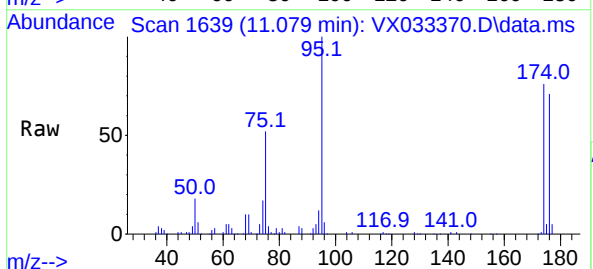
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

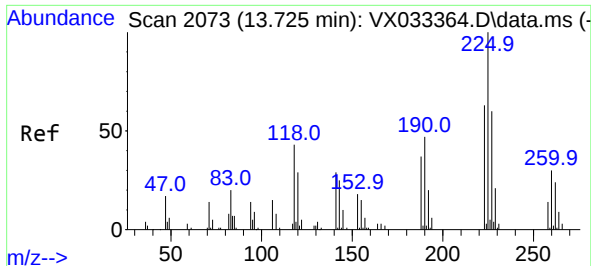
Tgt Ion: 98 Resp: 92634
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 45.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion: 75 Resp: 25316
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.3#
89 0.0 22.2 66.6#

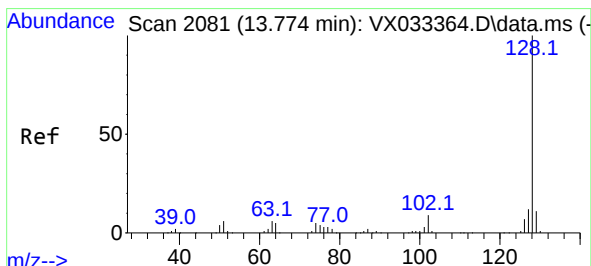
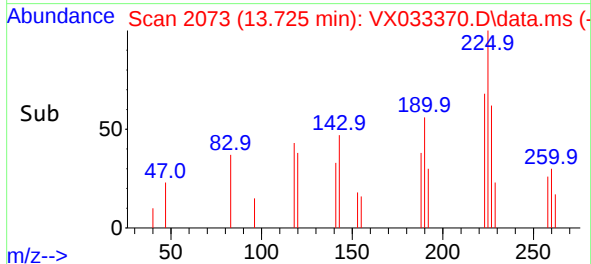
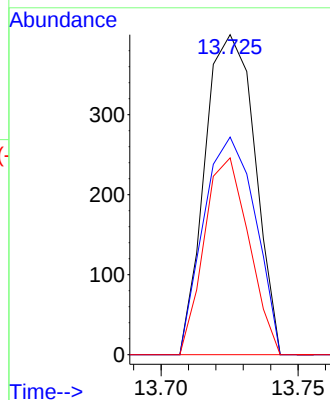
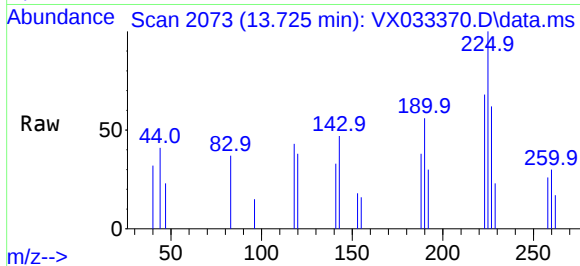




#90
Hexachlorobutadiene
Concen: 0.673 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

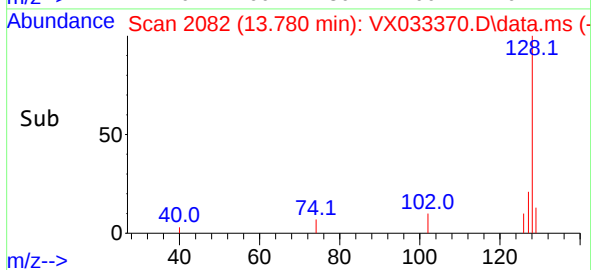
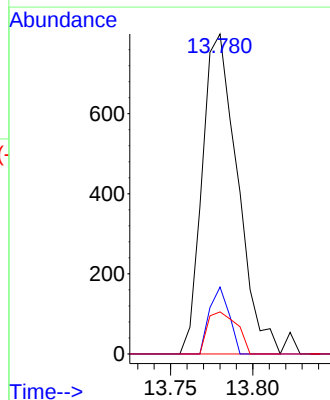
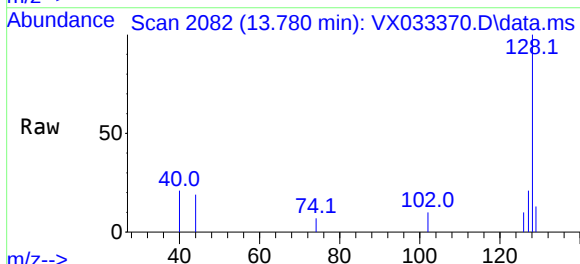
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

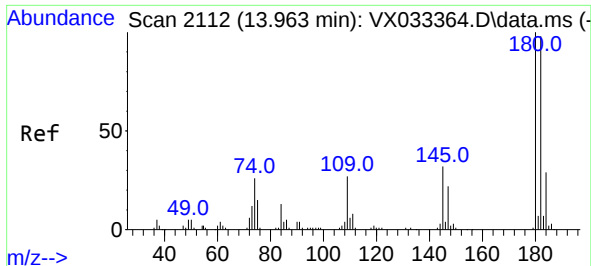
Tgt Ion:	225	Resp:	508
Ion	Ratio	Lower	Upper
225	100		
223	70.5	0.0	125.6
227	54.9	0.0	125.4



#91
Naphthalene
Concen: 0.207 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033370.D
Acq: 12 Dec 2022 13:24

Tgt Ion:	128	Resp:	1190
Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.9	14.9
129	10.9	8.8	13.2





#92

1,2,3-Trichlorobenzene

Concen: 0.262 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033370.D

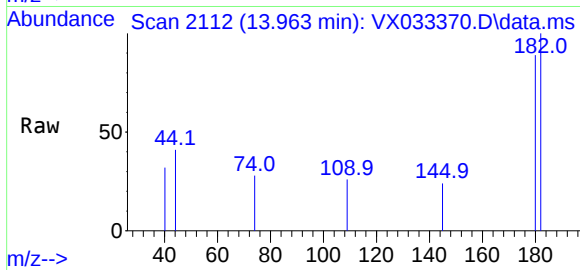
Acq: 12 Dec 2022 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01



Tgt Ion:180 Resp: 466

Ion Ratio Lower Upper

180 100

182 80.9 0.0 194.2

145 22.7 0.0 68.0

