

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033659.D
 Acq On : 09 Jan 2023 13:09
 Operator : JC/MD
 Sample : N6226-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:46:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

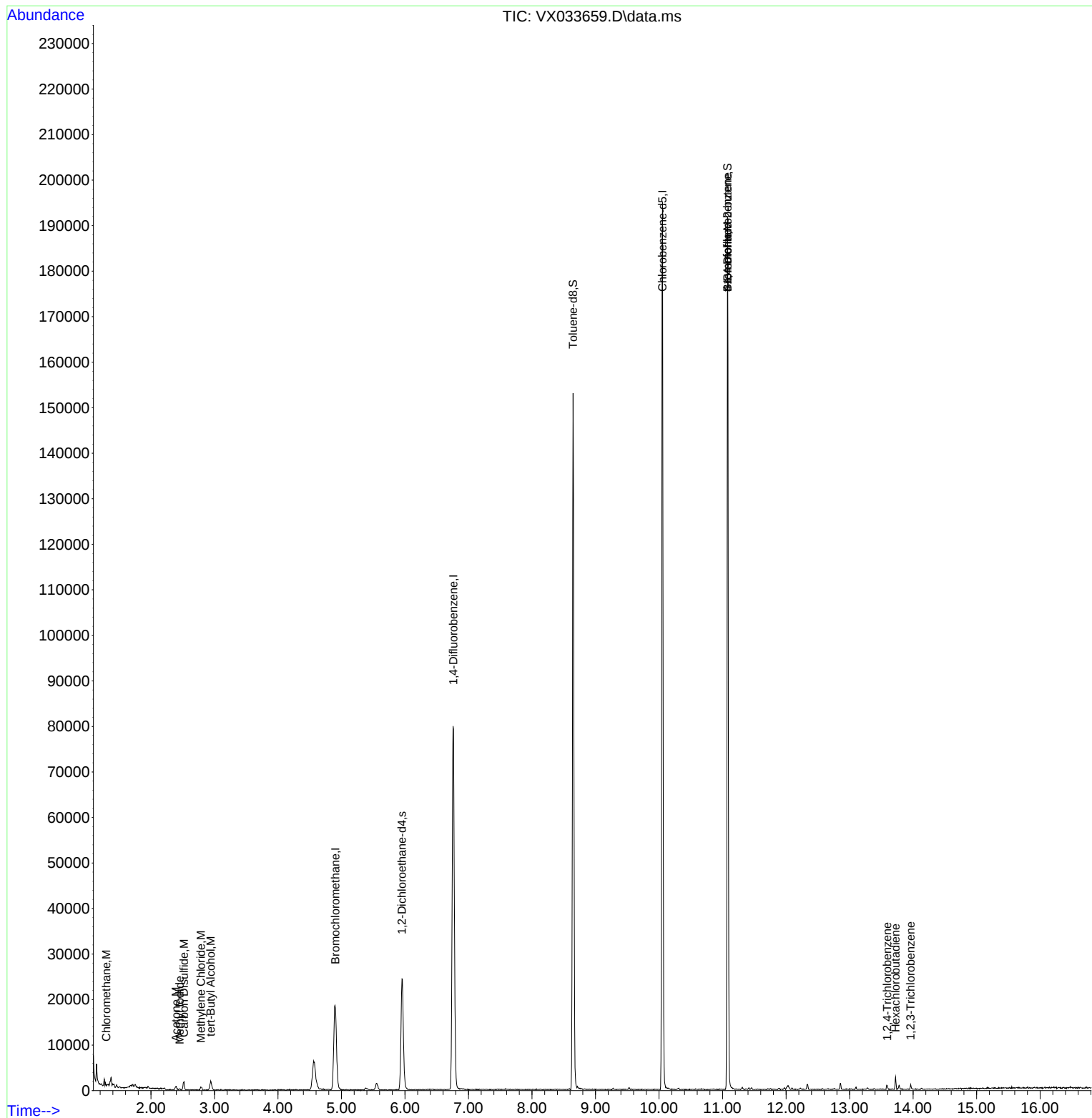
Internal Standards						
1) Bromochloromethane	4.904	128	8243	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85026	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89717	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	23256	34.844	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	116.133%#
60) 4-Bromofluorobenzene	11.079	95	47730	29.518	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.400%
63) Toluene-d8	8.647	98	89401	31.136	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	264	0.286	ug/l #	43
11) Methyl Iodide	2.453	142	272	0.251	ug/l #	75
15) Acetone	2.392	58	271	2.754	ug/l	94
16) Carbon Disulfide	2.520	76	2102	1.147	ug/l	96
18) Methylene Chloride	2.788	84	199	0.226	ug/l #	72
23) tert-Butyl Alcohol	2.941	59	1224	7.128	ug/l #	100
56) Bromoform	11.079	173	607	0.521	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23823	46.136	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.591	180	450	0.222	ug/l #	84
90) Hexachlorobutadiene	13.725	225	418	0.430	ug/l	83
92) 1,2,3-Trichlorobenzene	13.963	180	455	0.224	ug/l	77

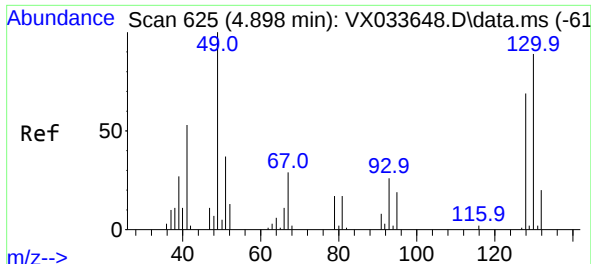
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
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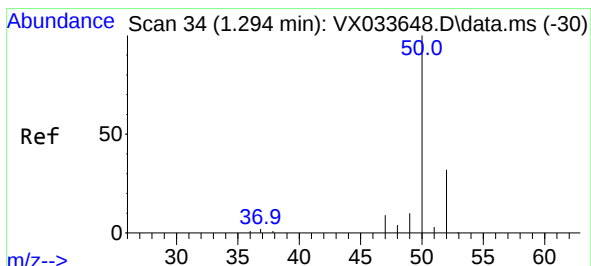
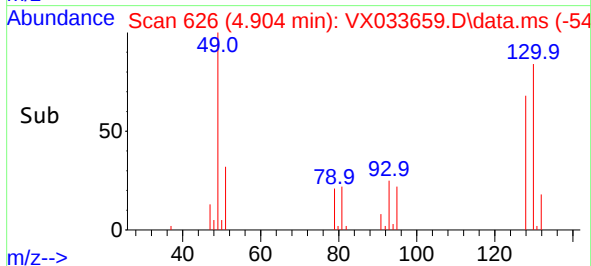
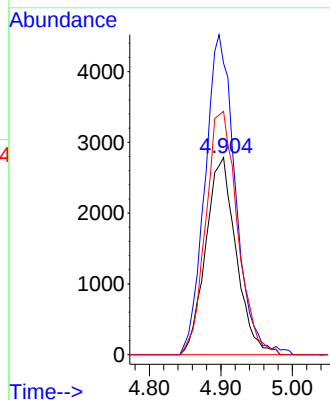
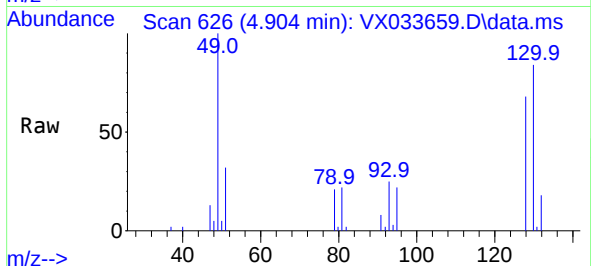




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

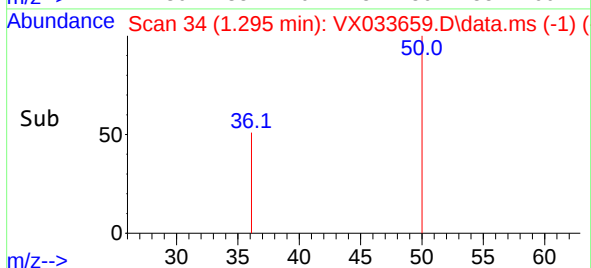
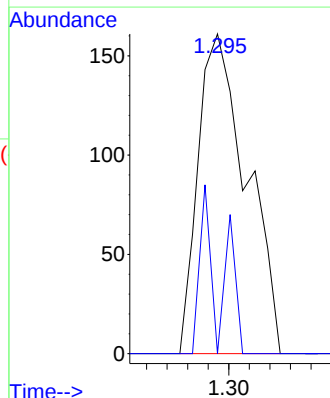
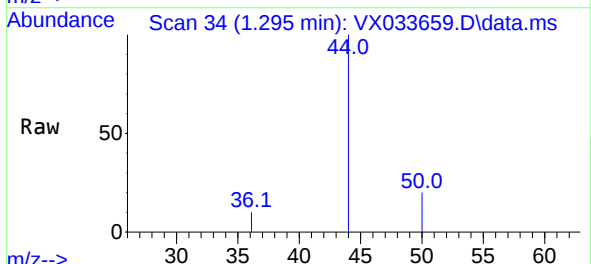
Instrument :
MSVOA_X
ClientSampleId :

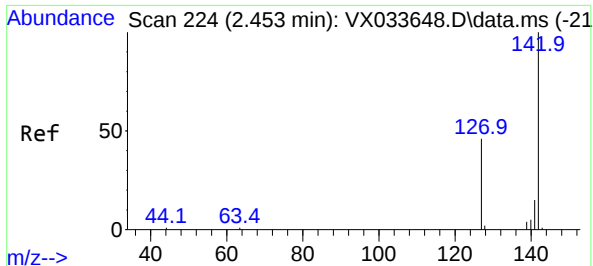
Tgt Ion:128 Resp: 8243
Ion Ratio Lower Upper
128 100
49 161.5 0.0 398.5
130 128.4 0.0 329.0



#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#11

Methyl Iodide

Concen: 0.251 ug/l

RT: 2.453 min Scan# 21

Delta R.T. 0.000 min

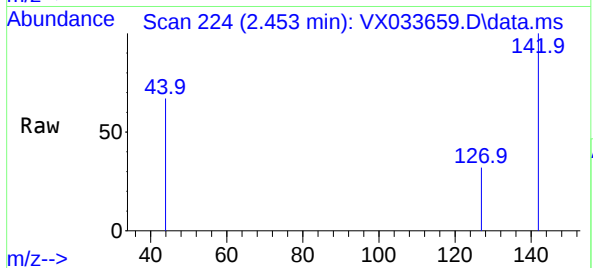
Lab File: VX033659.D

Acq: 09 Jan 2023 13:09

Instrument :

MSVOA_X

ClientSampleId :



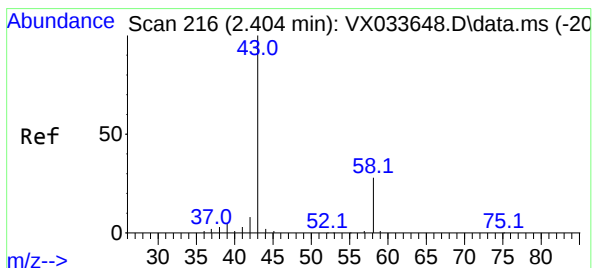
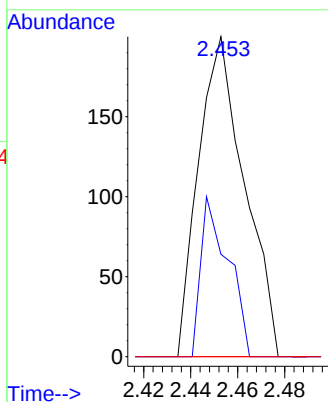
Tgt Ion:142 Resp: 272

Ion Ratio Lower Upper

142 100

127 32.0 23.2 69.5

141 0.0 7.3 22.0#



#15

Acetone

Concen: 2.754 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX033659.D

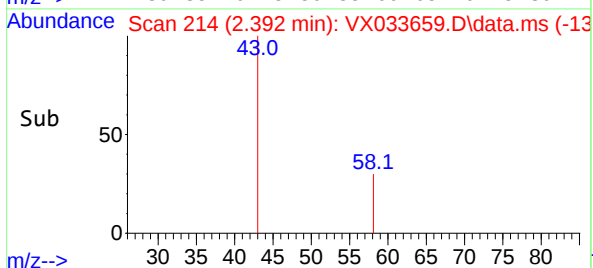
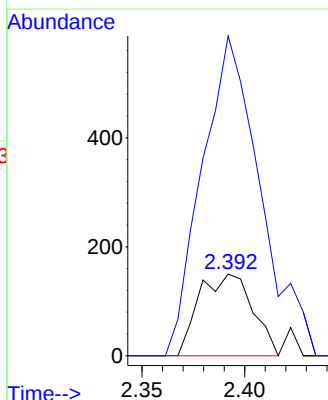
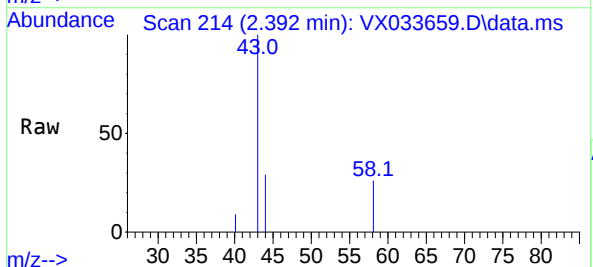
Acq: 09 Jan 2023 13:09

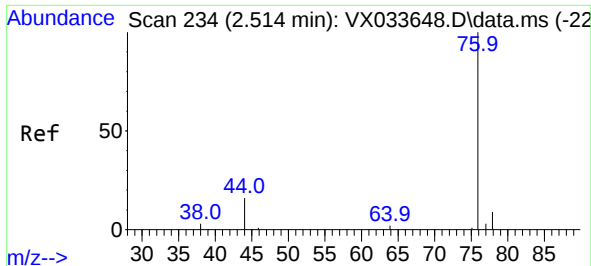
Tgt Ion: 58 Resp: 271

Ion Ratio Lower Upper

58 100

43 346.7 288.3 432.5

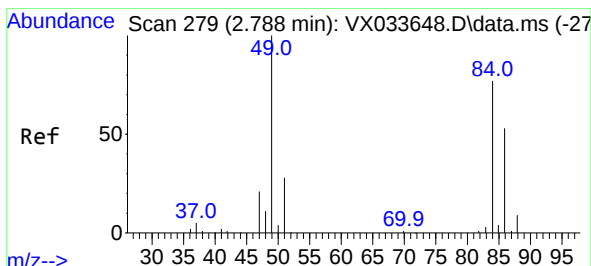
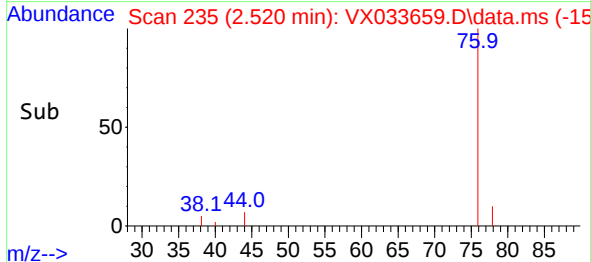
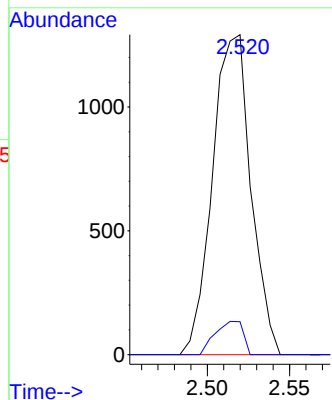
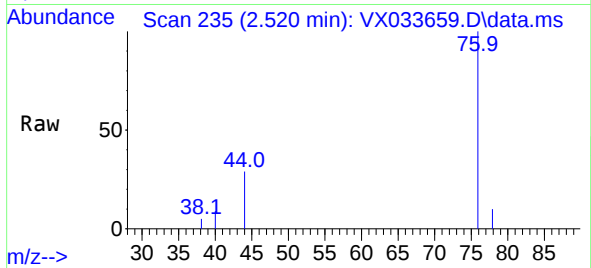




#16
Carbon Disulfide
Concen: 1.147 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

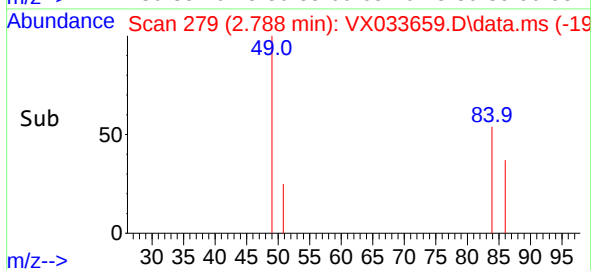
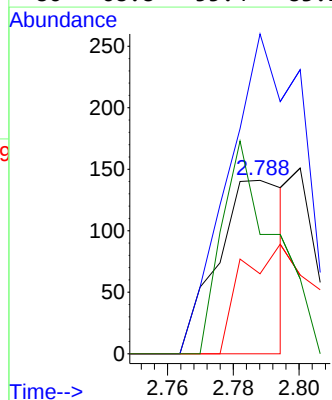
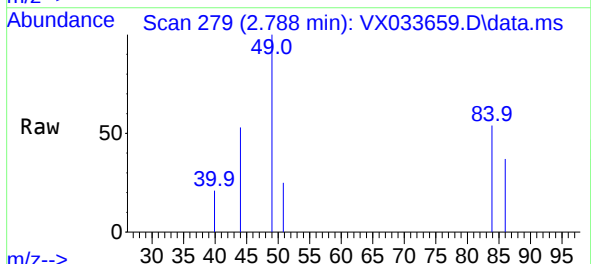
Instrument :
MSVOA_X
ClientSampleId :

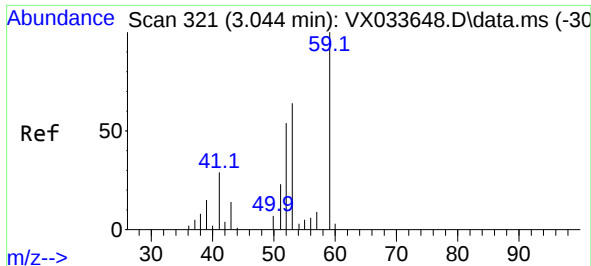
Tgt Ion: 76 Resp: 2102
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.4



#18
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

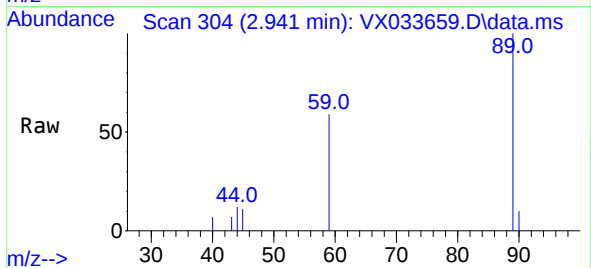
Tgt Ion: 84 Resp: 199
Ion Ratio Lower Upper
84 100
49 184.4 104.1 156.1#
51 46.1 29.2 43.8#
86 68.8 55.4 83.2



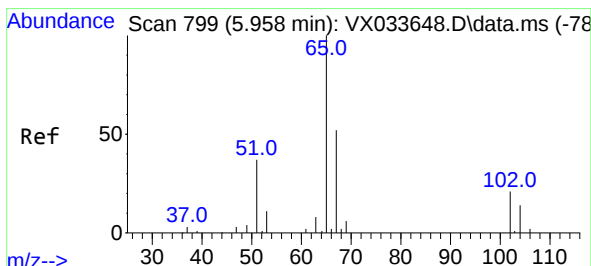
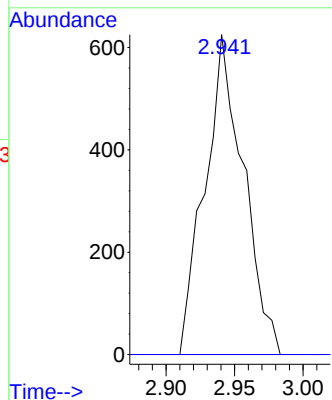
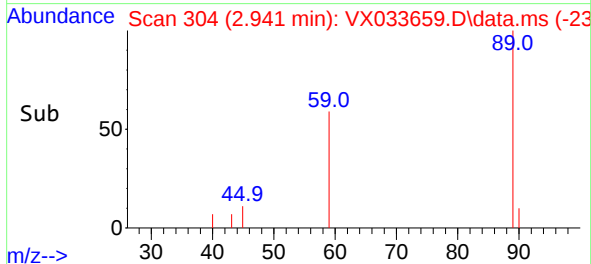


#23
tert-Butyl Alcohol
Concen: 7.128 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.104 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

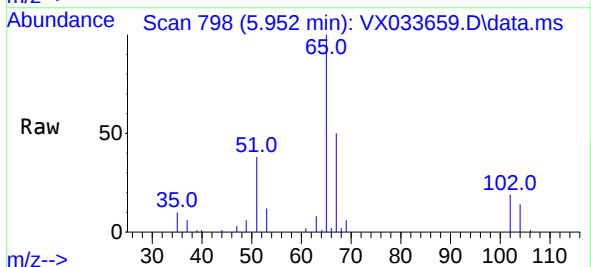
Instrument :
MSVOA_X
ClientSampleId :



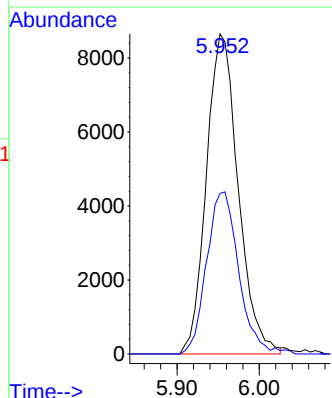
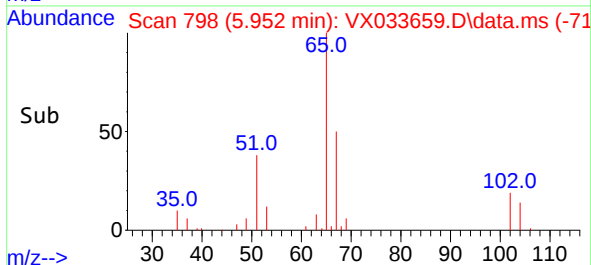
Tgt Ion: 59 Resp: 1224
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

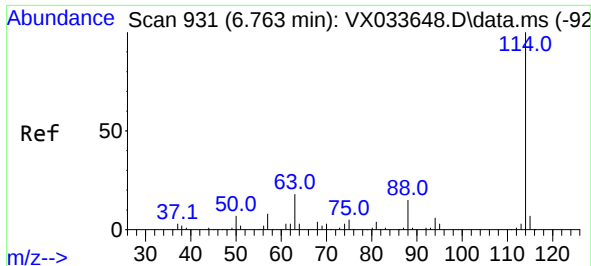


#27
1,2-Dichloroethane-d4
Concen: 34.844 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09



Tgt Ion: 65 Resp: 23256
Ion Ratio Lower Upper
65 100
67 50.5 40.4 60.6



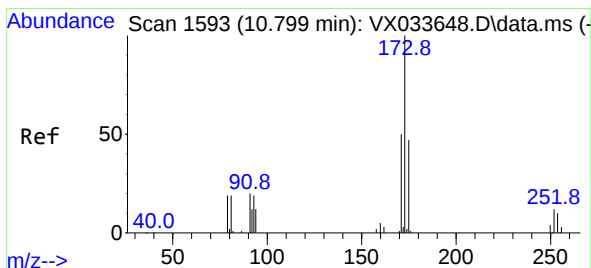
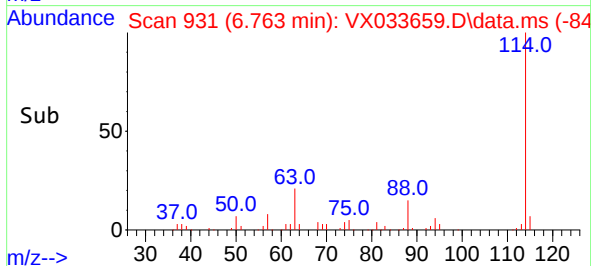
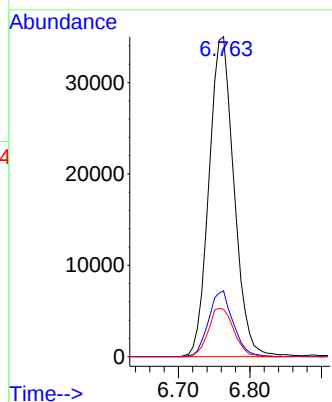
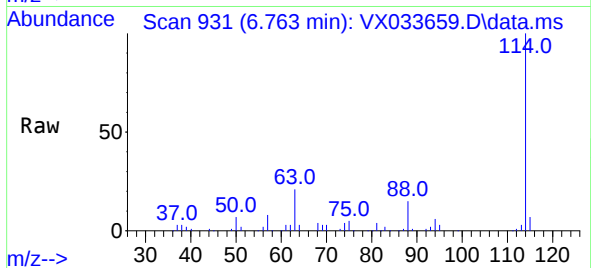


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 85026

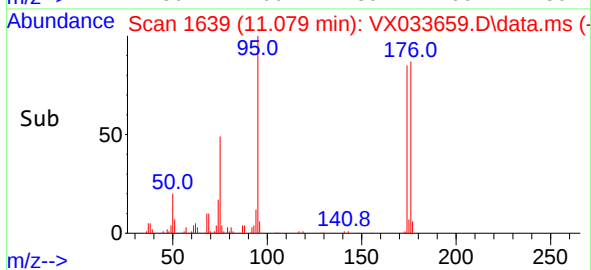
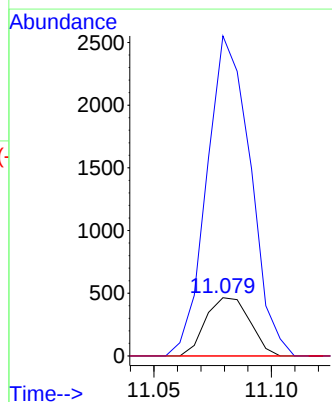
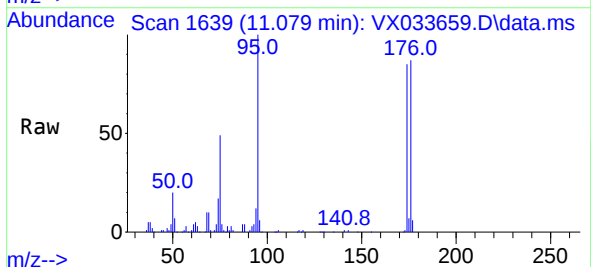
Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.5	23.3
88	15.3	12.4	18.6

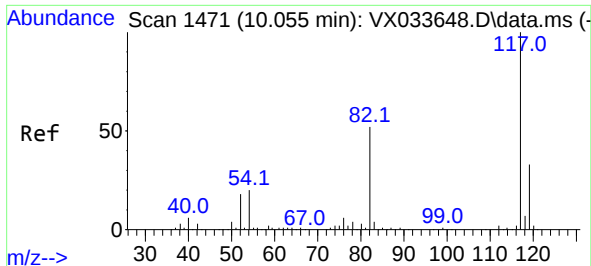


#56
Bromoform
Concen: 0.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

Tgt Ion:173 Resp: 607

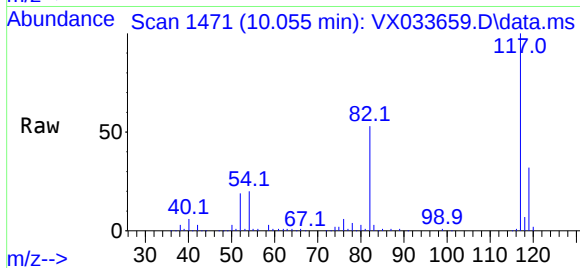
Ion	Ratio	Lower	Upper
173	100		
175	543.7	38.2	57.4#
254	0.0	8.6	13.0#



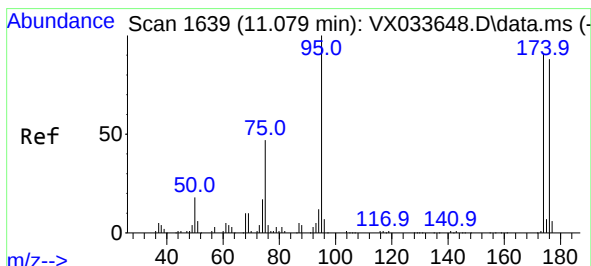
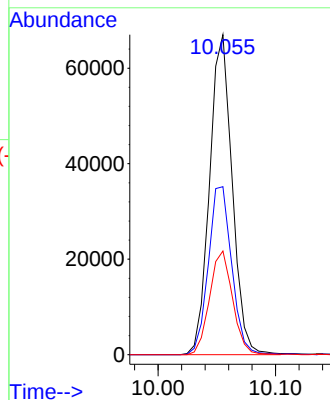
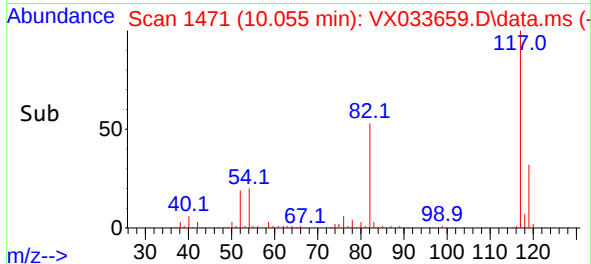


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09

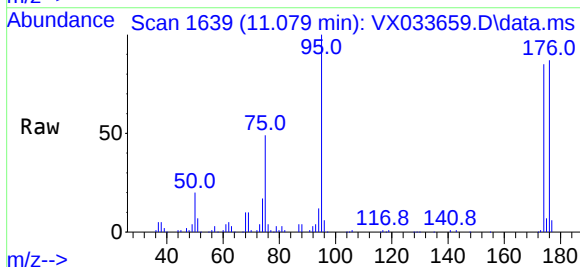
Instrument :
MSVOA_X
ClientSampleId :



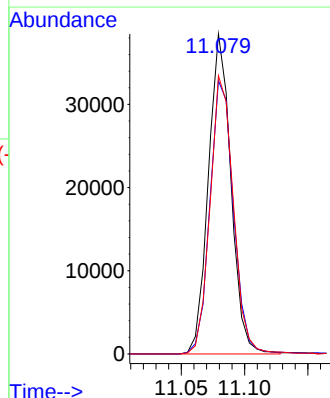
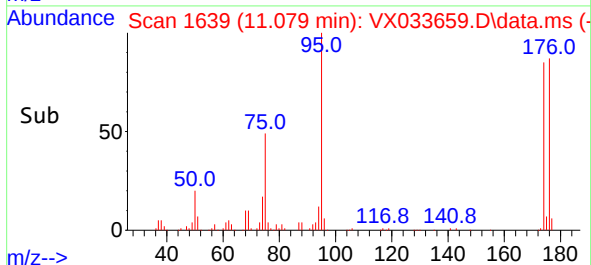
Tgt Ion:117 Resp: 89717
Ion Ratio Lower Upper
117 100
82 54.4 41.9 62.9
119 33.1 25.6 38.4

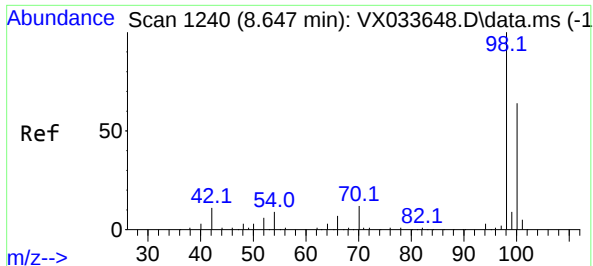


#60
4-Bromofluorobenzene
Concen: 29.518 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033659.D
Acq: 09 Jan 2023 13:09



Tgt Ion: 95 Resp: 47730
Ion Ratio Lower Upper
95 100
174 89.3 73.7 110.5
176 89.4 71.0 106.4





#63

Toluene-d8

Concen: 31.136 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033659.D

Acq: 09 Jan 2023 13:09

Instrument :

MSVOA_X

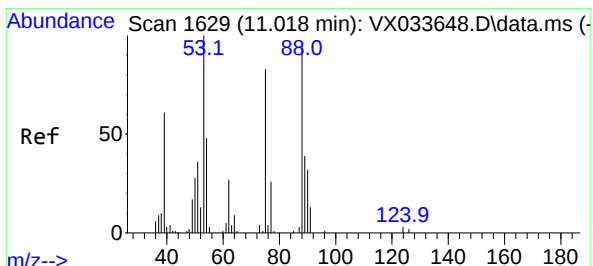
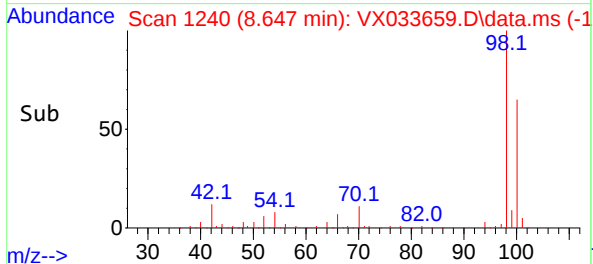
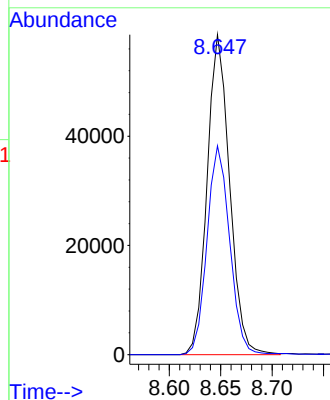
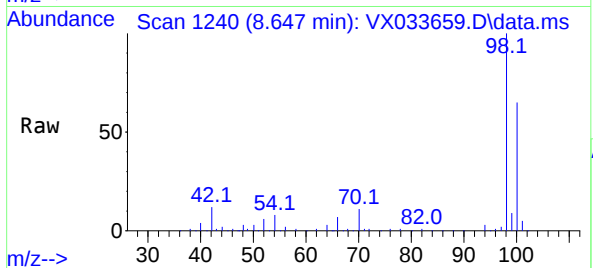
ClientSampleId :

Tgt Ion: 98 Resp: 89401

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 46.136 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033659.D

Acq: 09 Jan 2023 13:09

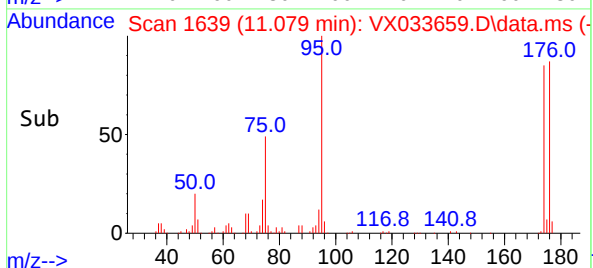
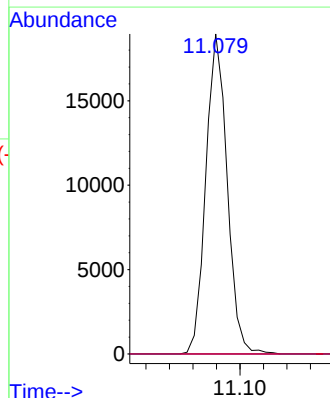
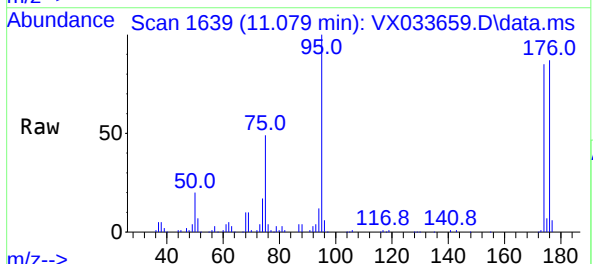
Tgt Ion: 75 Resp: 23823

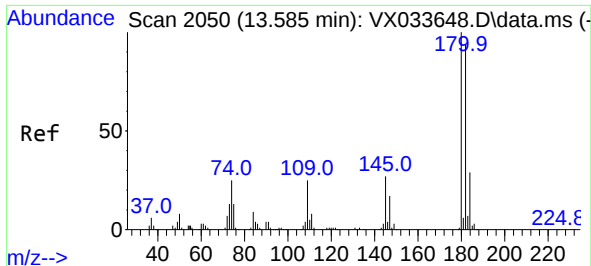
Ion Ratio Lower Upper

75 100

53 0.0 60.2 180.6#

89 0.0 23.2 69.6#





#89

1,2,4-Trichlorobenzene

Concen: 0.222 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX033659.D

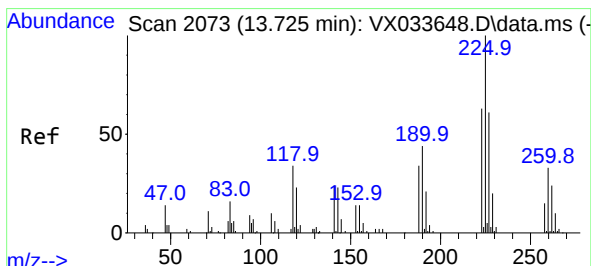
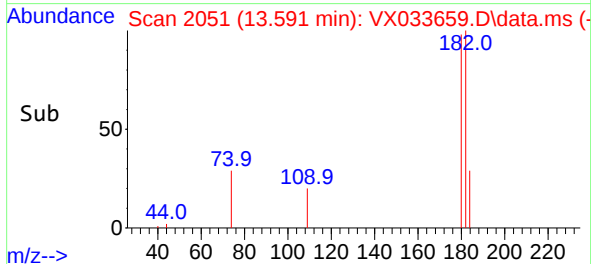
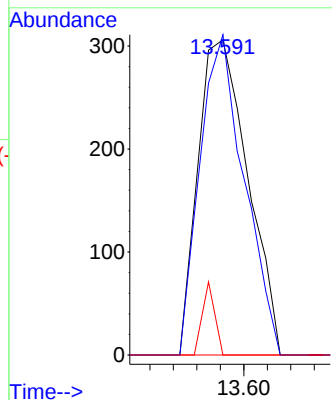
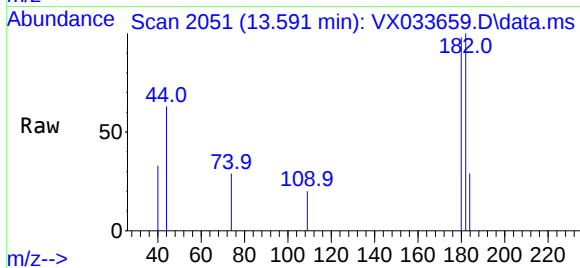
Acq: 09 Jan 2023 13:09

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	450
Ion	Ratio	Lower Upper
180	100	
182	90.4	76.7 115.1
145	0.0	21.8 32.6#



#90

Hexachlorobutadiene

Concen: 0.430 ug/l

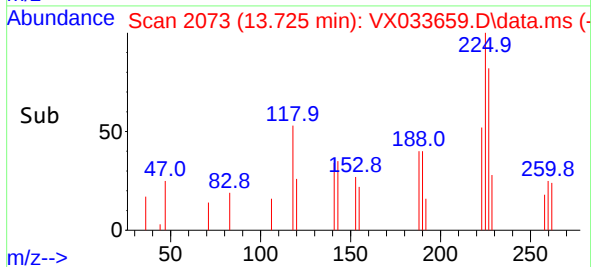
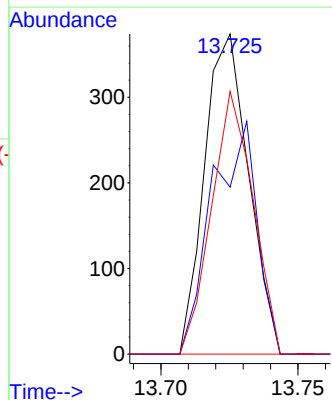
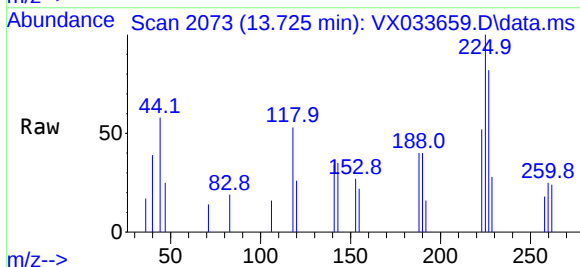
RT: 13.725 min Scan# 2073

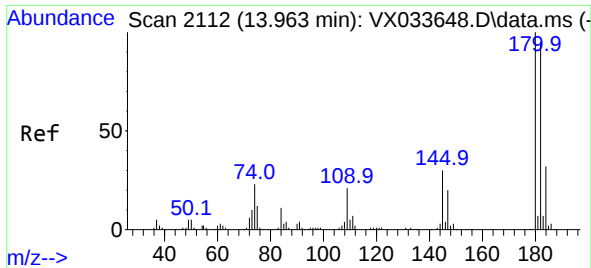
Delta R.T. 0.000 min

Lab File: VX033659.D

Acq: 09 Jan 2023 13:09

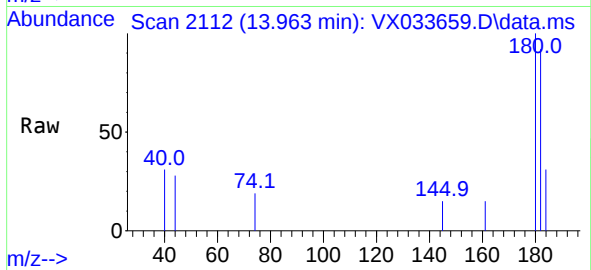
Tgt Ion:225	Resp:	418
Ion	Ratio	Lower Upper
225	100	
223	73.9	0.0 127.0
227	77.3	0.0 123.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.224 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX033659.D
 Acq: 09 Jan 2023 13:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	455
Ion	Ratio	Lower	Upper
180	100		
182	76.7	0.0	191.2
145	11.0	0.0	60.4

