

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
 Data File : VX033881.D
 Acq On : 25 Jan 2023 11:09
 Operator : JC/MD
 Sample : VX0125WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 05:11:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

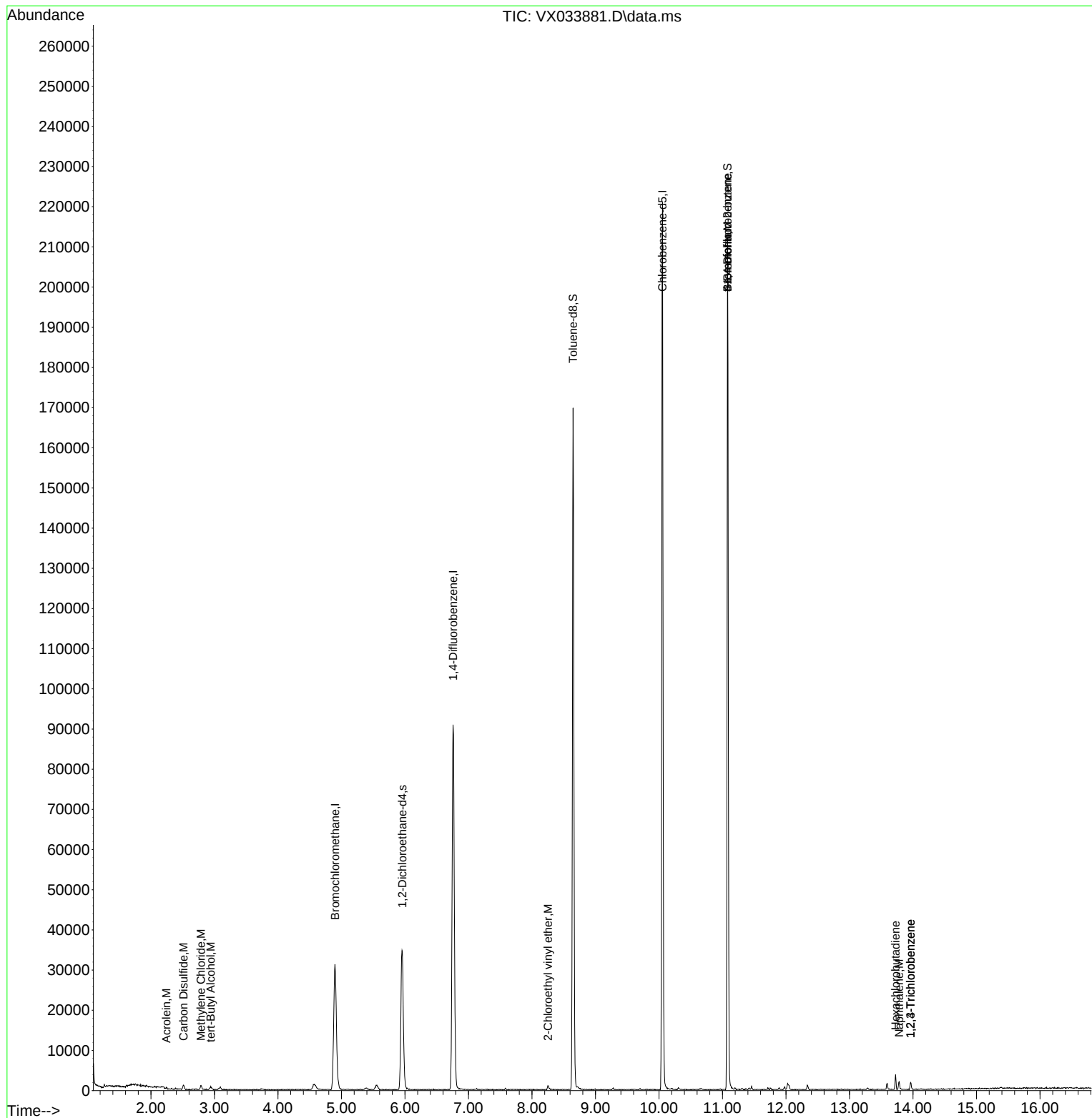
Internal Standards						
1) Bromochloromethane	4.898	128	14751	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	103300	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110590	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	34072	29.847	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.500%
60) 4-Bromofluorobenzene	11.079	95	54660	27.648	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.167%
63) Toluene-d8	8.647	98	105396	29.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
					Qvalue	
13) Acrolein	2.240	56	209	0.817	ug/l	90
16) Carbon Disulfide	2.514	76	1297	0.404	ug/l #	91
18) Methylene Chloride	2.788	84	504	0.341	ug/l	95
23) tert-Butyl Alcohol	2.941	59	445	1.728	ug/l #	1
55) 2-Chloroethyl vinyl ether	8.251	63	402	0.380	ug/l #	84
56) Bromoform	11.079	173	438	0.340	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25296	42.198	ug/l #	6
89) 1,2,4-Trichlorobenzene	13.963	180	714	0.305	ug/l	87
90) Hexachlorobutadiene	13.725	225	724	0.659	ug/l	97
91) Naphthalene	13.780	128	1643	0.239	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	714	0.311	ug/l	88

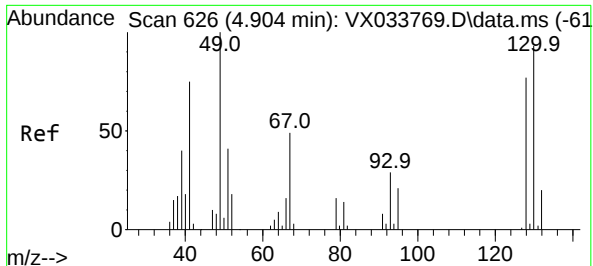
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

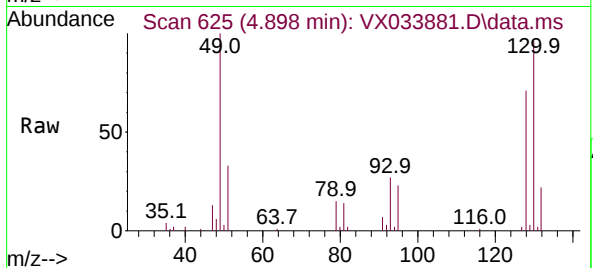
Quant Time: Jan 26 05:11:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
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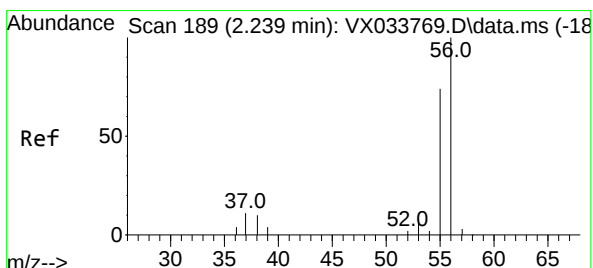
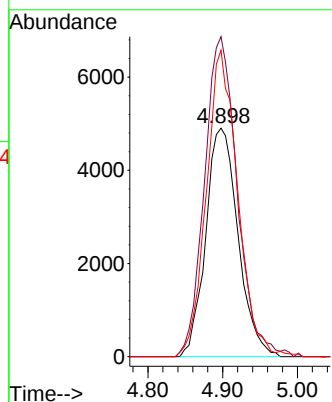
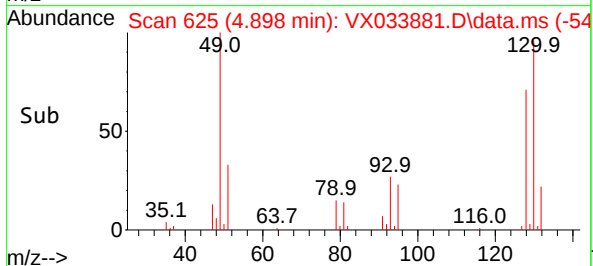


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

Instrument :
MSVOA_X
ClientSampleId :

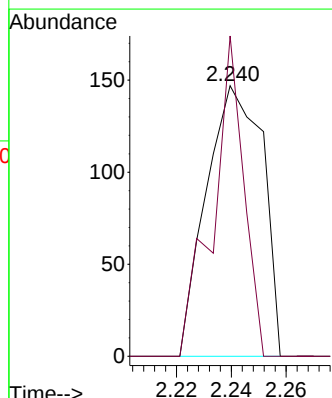
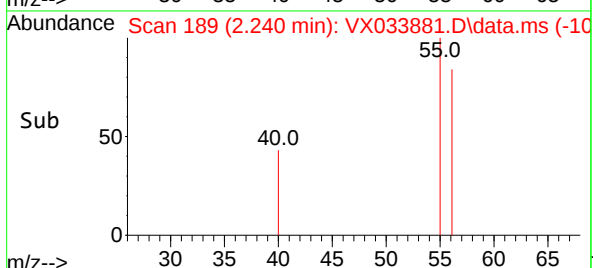
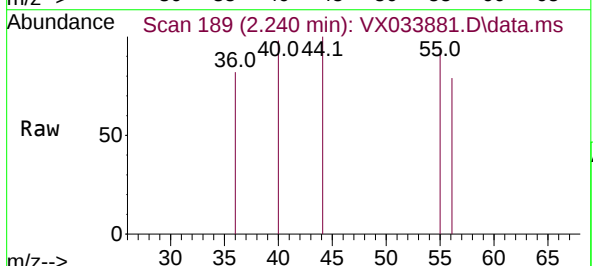


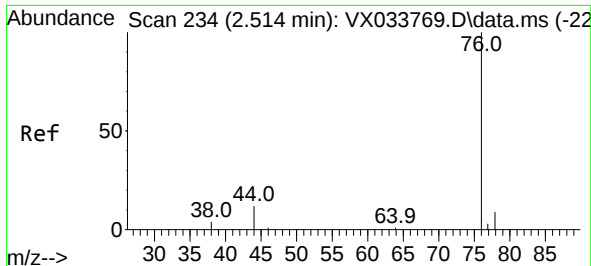
Tgt Ion:128 Resp: 14751
Ion Ratio Lower Upper
128 100
49 141.6 0.0 369.0
130 129.3 0.0 327.5



#13
Acrolein
Concen: 0.817 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

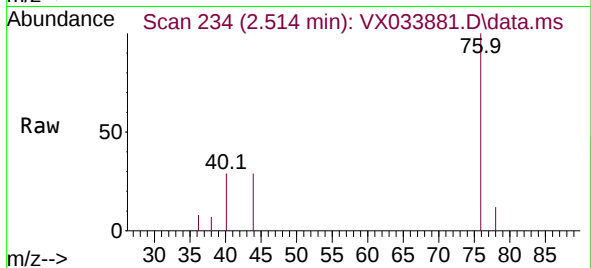
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 65.1 58.8 88.2



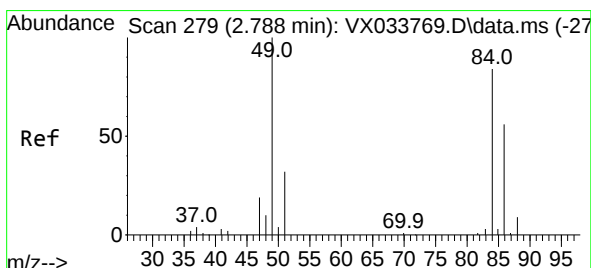
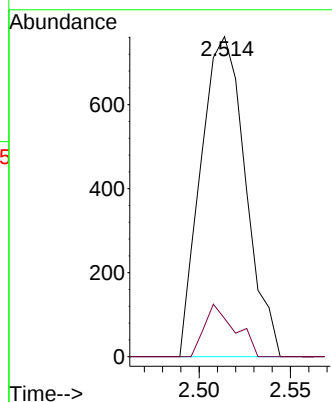
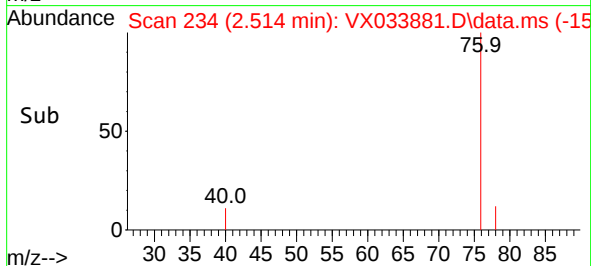


#16
Carbon Disulfide
Concen: 0.404 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

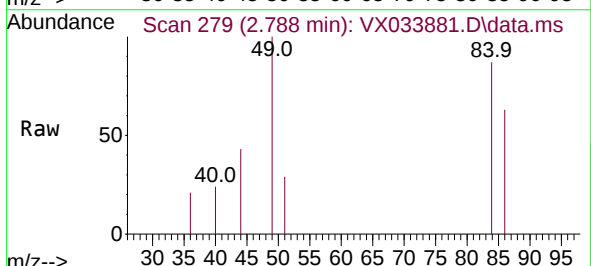
Instrument :
MSVOA_X
ClientSampleId :



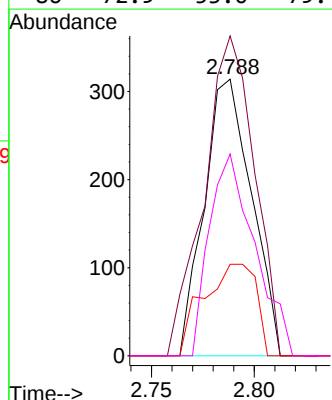
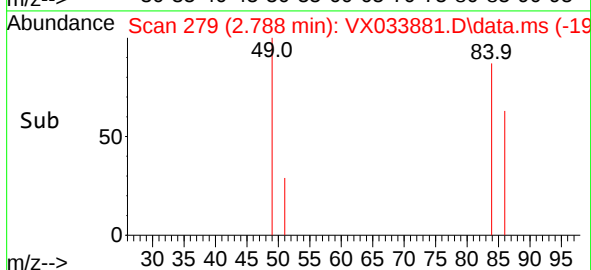
Tgt Ion: 76 Resp: 1297
Ion Ratio Lower Upper
76 100
78 11.9 6.9 10.3#

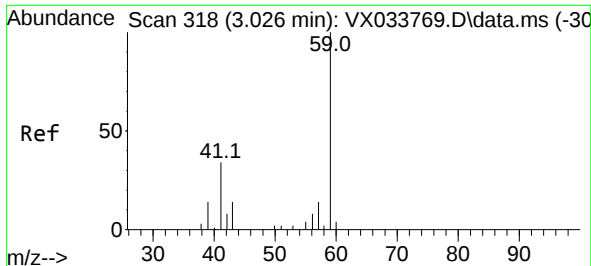


#18
Methylene Chloride
Concen: 0.341 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09



Tgt Ion: 84 Resp: 504
Ion Ratio Lower Upper
84 100
49 115.6 95.0 142.6
51 33.1 30.3 45.5
86 72.9 53.0 79.4

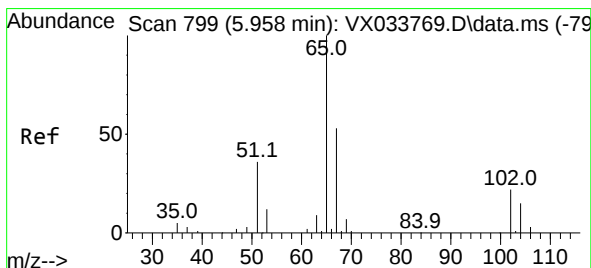
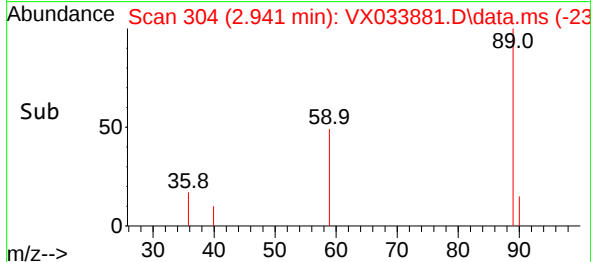
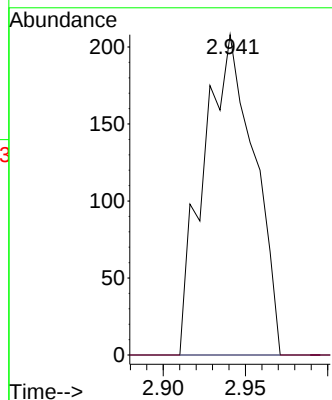
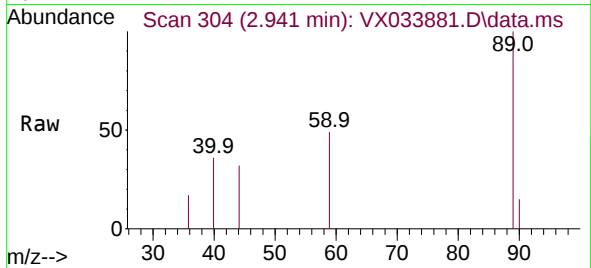




#23
tert-Butyl Alcohol
Concen: 1.728 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.085 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

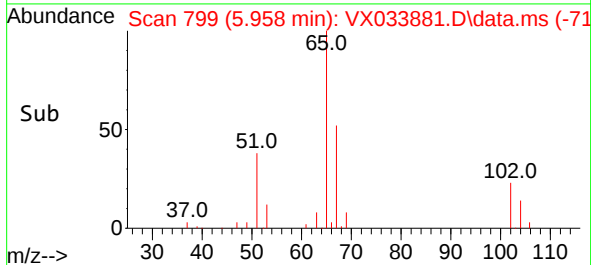
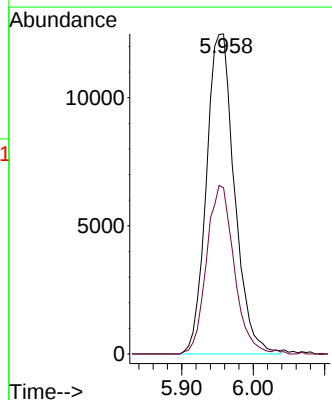
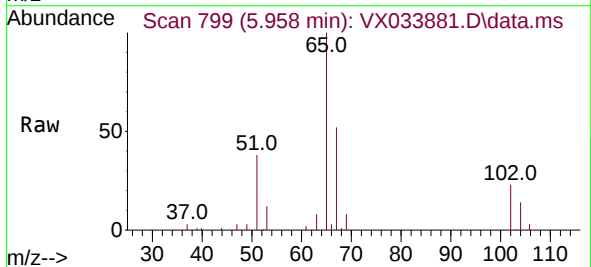
Instrument :
MSVOA_X
ClientSampleId :

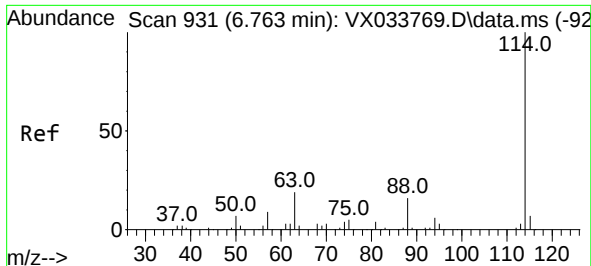
Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
52 62.7 186.7 280.1#



#27
1,2-Dichloroethane-d4
Concen: 29.847 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

Tgt Ion: 65 Resp: 34072
Ion Ratio Lower Upper
65 100
67 51.5 43.0 64.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX033881.D

Acq: 25 Jan 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

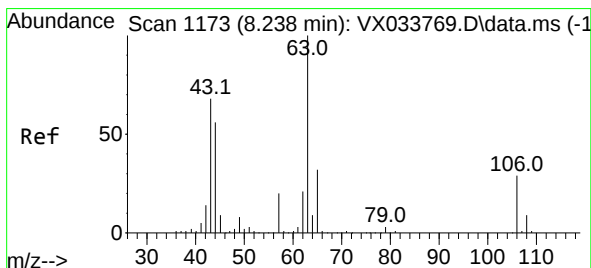
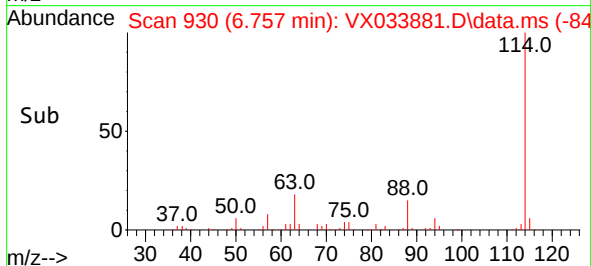
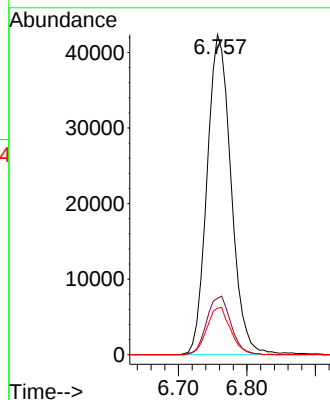
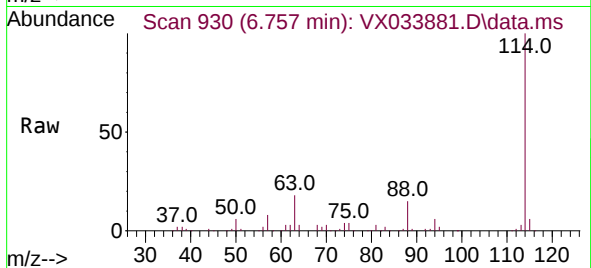
Tgt Ion:114 Resp: 103300

Ion Ratio Lower Upper

114 100

63 18.3 15.2 22.8

88 14.6 12.4 18.6



#55

2-Chloroethyl vinyl ether

Concen: 0.380 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX033881.D

Acq: 25 Jan 2023 11:09

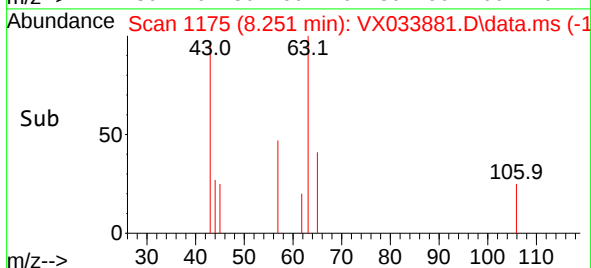
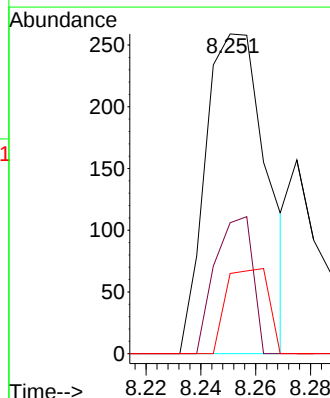
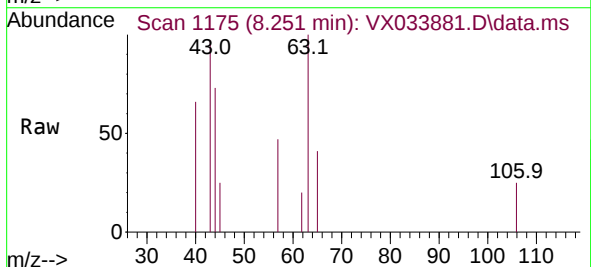
Tgt Ion: 63 Resp: 402

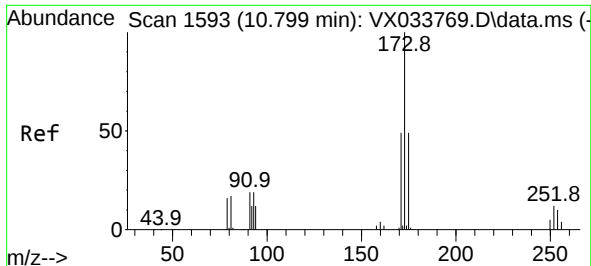
Ion Ratio Lower Upper

63 100

65 26.1 25.4 38.2

106 18.4 23.9 35.9#

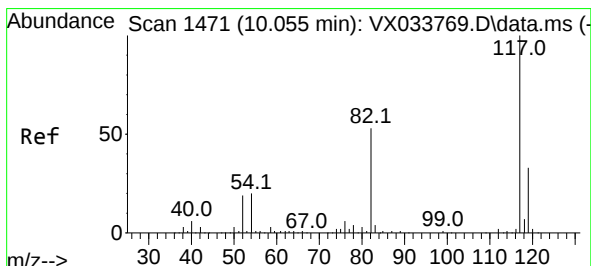
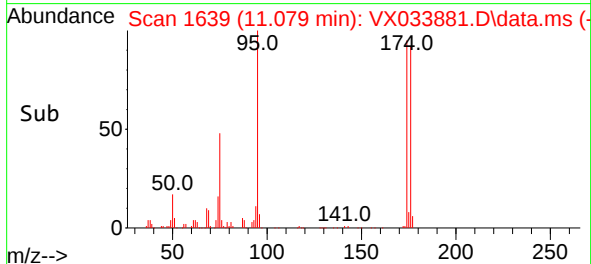
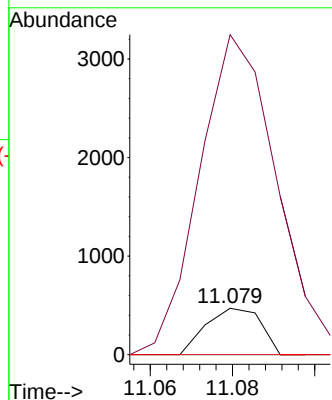
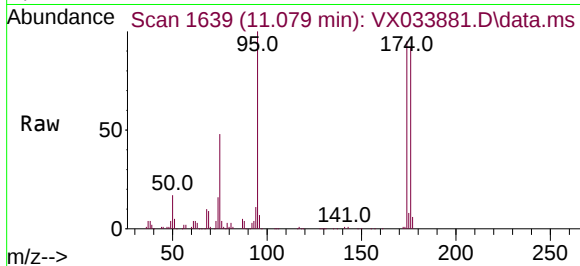




#56
Bromoform
Concen: 0.340 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

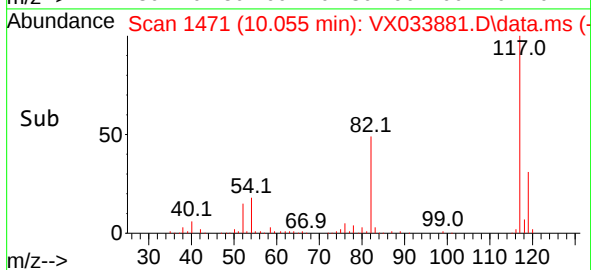
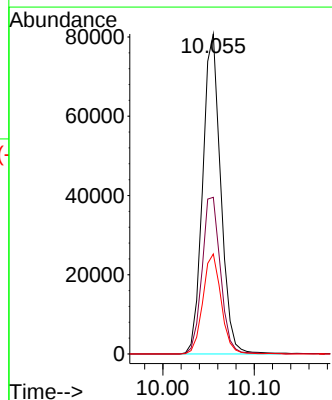
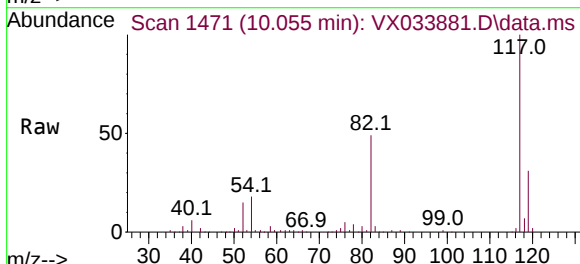
Instrument :
MSVOA_X
ClientSampleId :

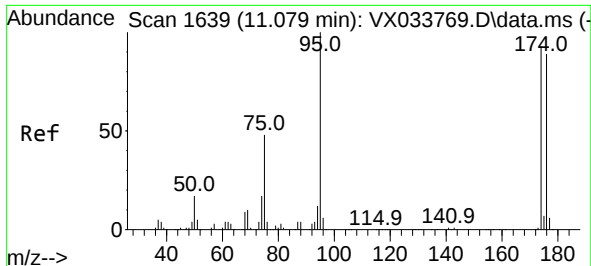
Tgt Ion:173 Resp: 438
Ion Ratio Lower Upper
173 100
175 972.8 39.8 59.6#
254 0.0 9.0 13.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

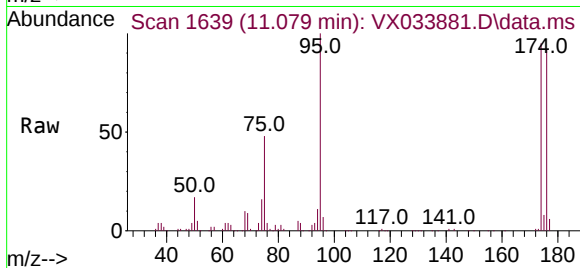
Tgt Ion:117 Resp: 110590
Ion Ratio Lower Upper
117 100
82 50.4 42.6 64.0
119 31.7 26.4 39.6



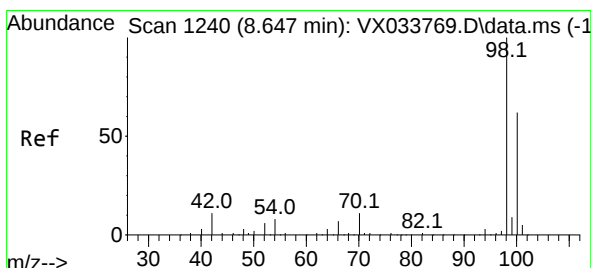
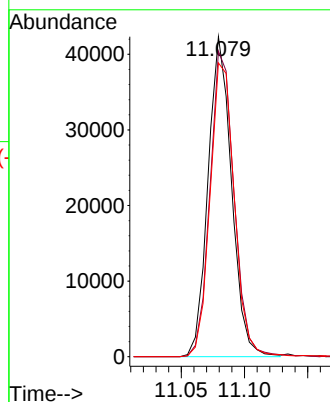
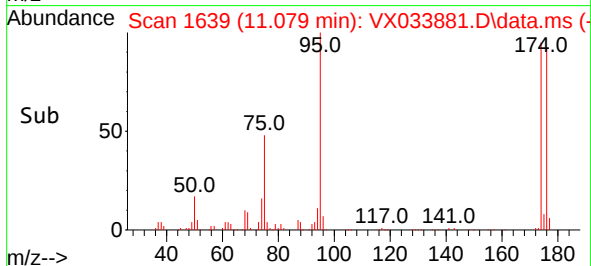


#60
4-Bromofluorobenzene
Concen: 27.648 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

Instrument :
MSVOA_X
ClientSampleId :

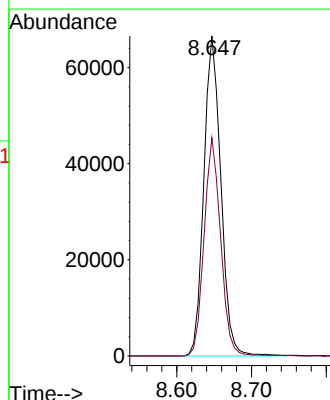
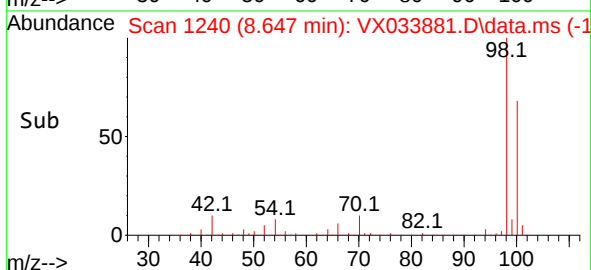
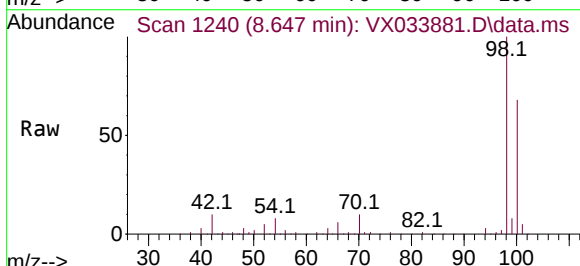


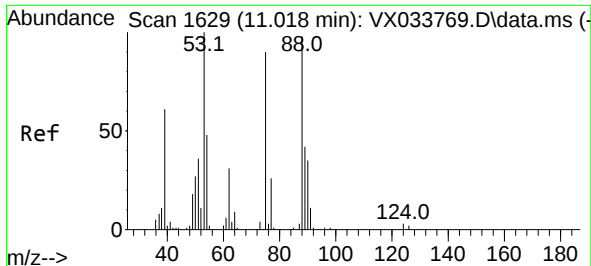
Tgt Ion: 95 Resp: 54660
Ion Ratio Lower Upper
95 100
174 98.2 74.6 111.8
176 94.8 72.2 108.2



#63
Toluene-d8
Concen: 29.871 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

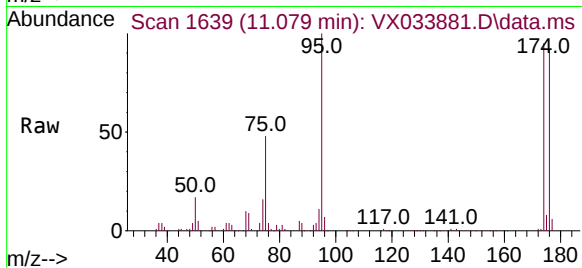
Tgt Ion: 98 Resp: 105396
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



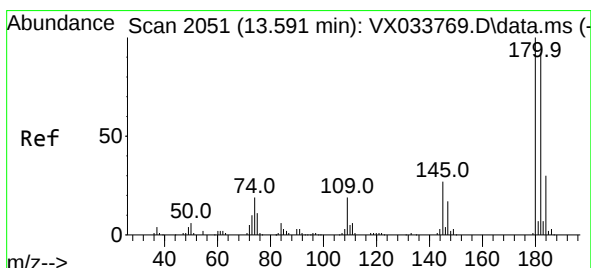
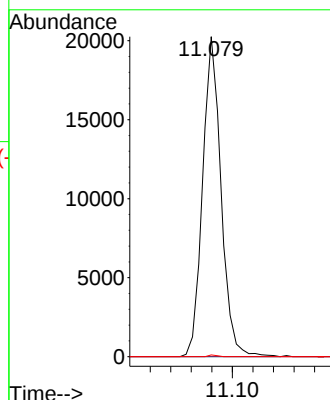
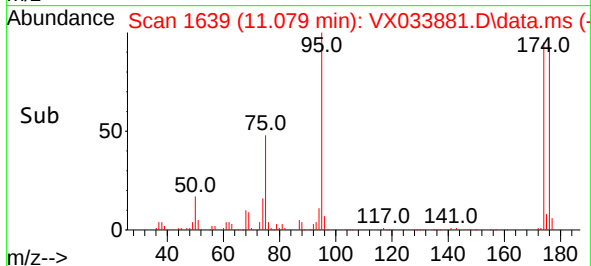


#77
t-1,4-Dichloro-2-butene
Concen: 42.198 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

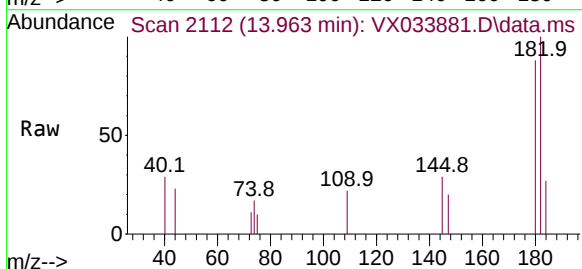
Instrument :
MSVOA_X
ClientSampleId :



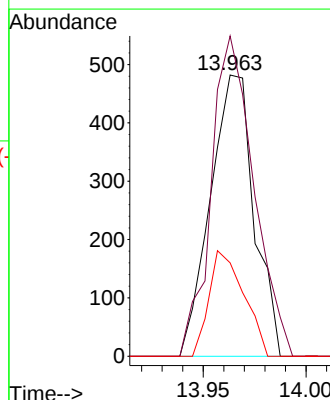
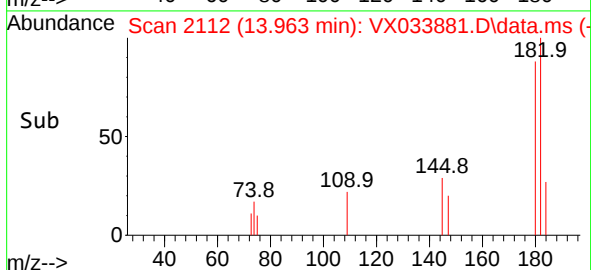
Tgt Ion: 75 Resp: 25296
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.5 23.3 69.8#

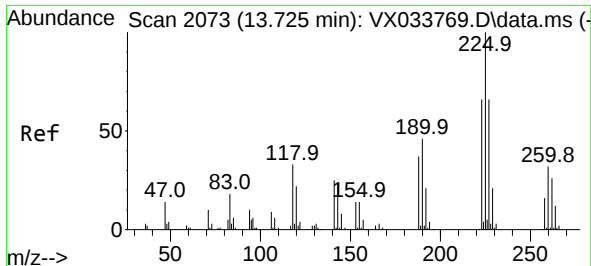


#89
1,2,4-Trichlorobenzene
Concen: 0.305 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.372 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09



Tgt Ion:180 Resp: 714
Ion Ratio Lower Upper
180 100
182 111.2 76.4 114.6
145 29.8 22.9 34.3

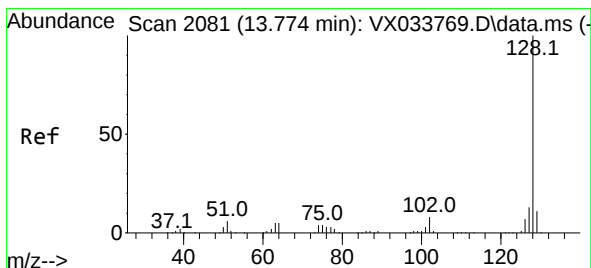
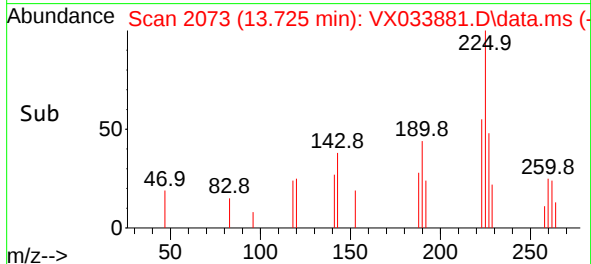
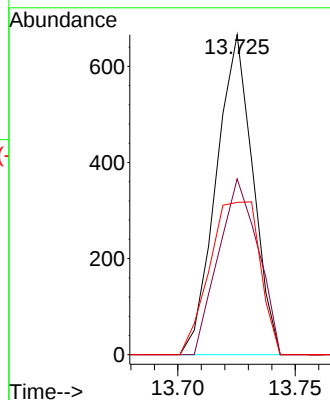
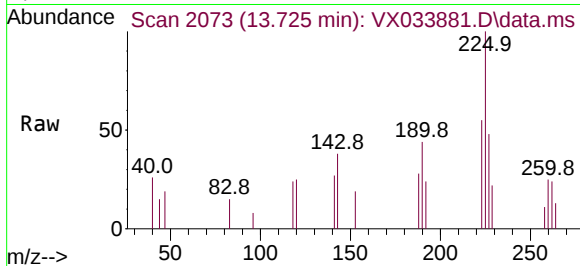




#90
Hexachlorobutadiene
Concen: 0.659 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

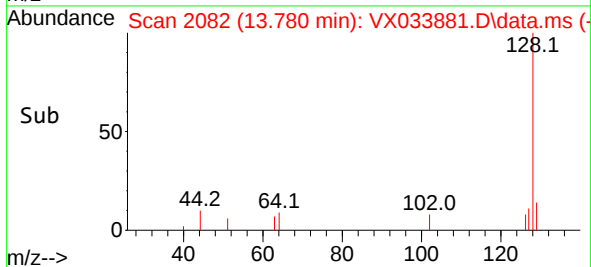
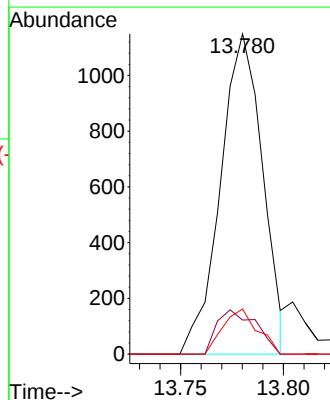
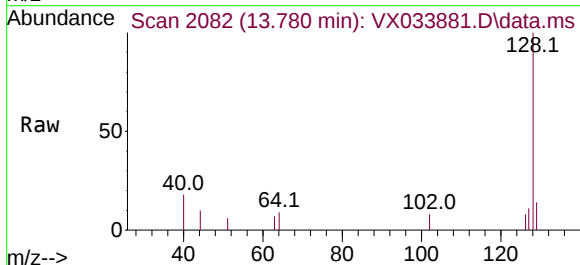
Instrument :
MSVOA_X
ClientSampleId :

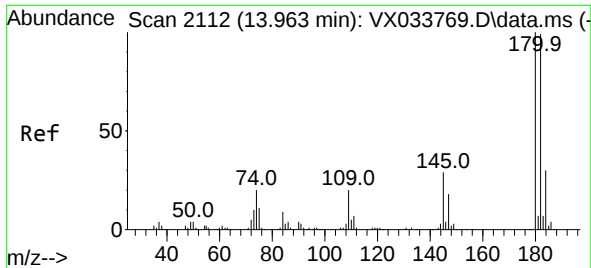
Tgt Ion:225 Resp: 724
Ion Ratio Lower Upper
225 100
223 59.4 0.0 127.6
227 65.3 0.0 131.2



#91
Naphthalene
Concen: 0.239 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033881.D
Acq: 25 Jan 2023 11:09

Tgt Ion:128 Resp: 1643
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.6 8.9 13.3





#92

1,2,3-Trichlorobenzene

Concen: 0.311 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

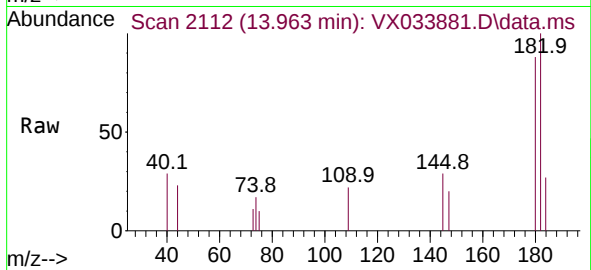
Lab File: VX033881.D

Acq: 25 Jan 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 714

Ion Ratio Lower Upper

180 100

182 111.2 0.0 192.6

145 29.8 0.0 60.4

