

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027292.D
 Acq On : 04 Mar 2022 11:25
 Operator : JC/MD
 Sample : VX0304WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 05 01:48:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

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

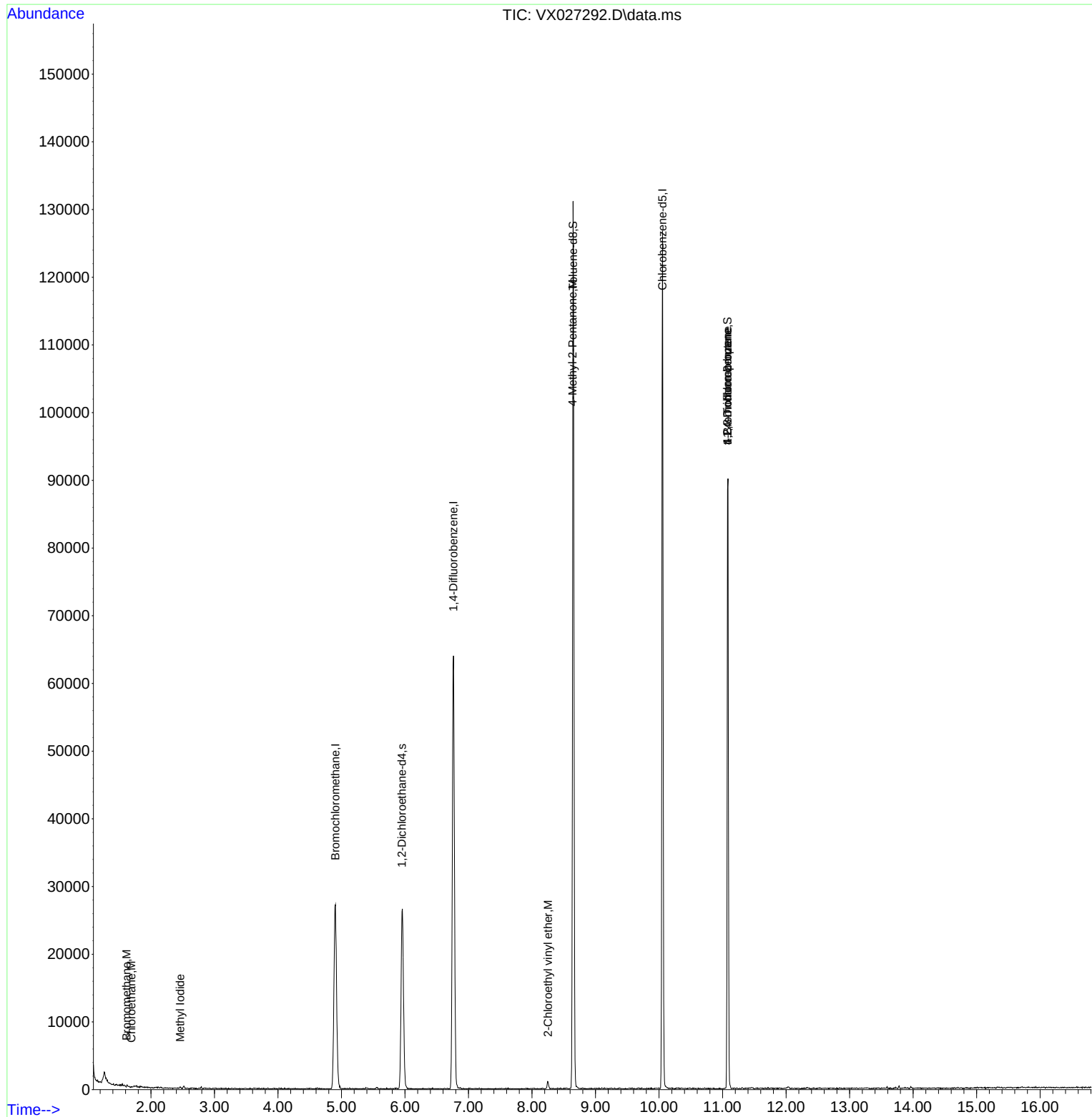
Internal Standards						
1) Bromochloromethane	4.903	128	12323	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	67252	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	58213	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	26404	30.950	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.167%	
60) 4-Bromofluorobenzene	11.079	95	25876	27.438	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.467%	
63) Toluene-d8	8.647	98	77044	30.274	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	66	0.202	ug/l	88
6) Chloroethane	1.690	64	113	0.315	ug/l #	42
11) Methyl Iodide	2.459	142	214	0.260	ug/l #	91
55) 2-Chloroethyl vinyl ether	8.250	63	551	0.935	ug/l	92
58) 4-Methyl-2-Pentanone	8.640	43	367	0.349	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	12548	12.283	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	12548	41.460	ug/l #	3

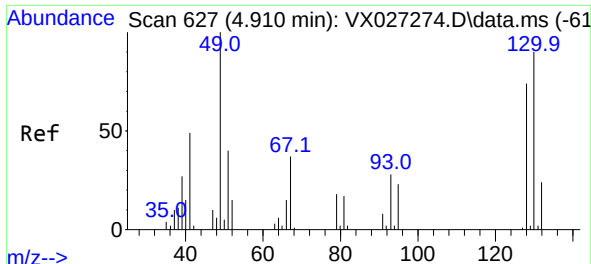
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

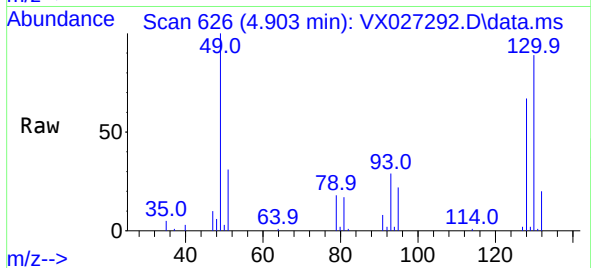
Quant Time: Mar 05 01:48:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
Response via : Initial Calibration



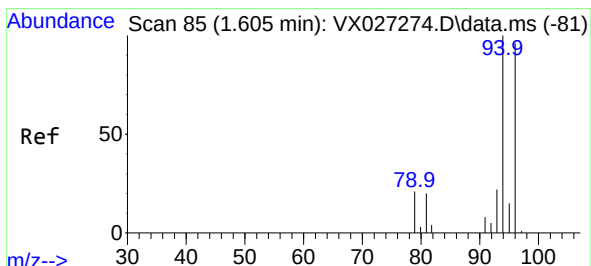
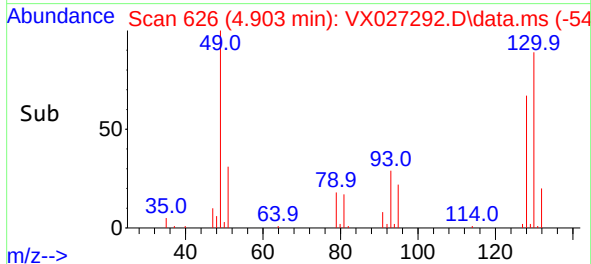
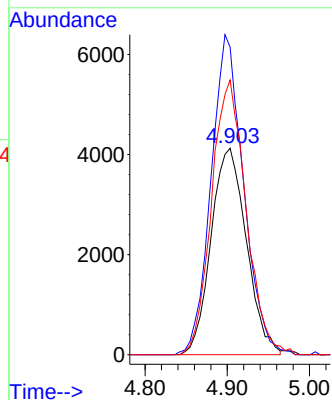


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

Instrument :
MSVOA_X
ClientSampleId :

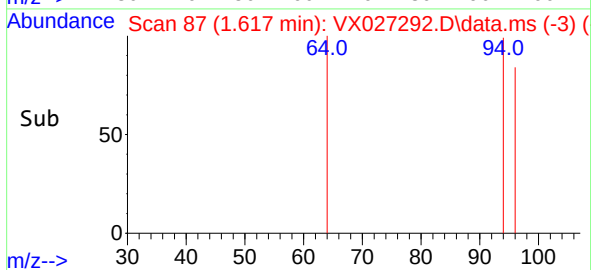
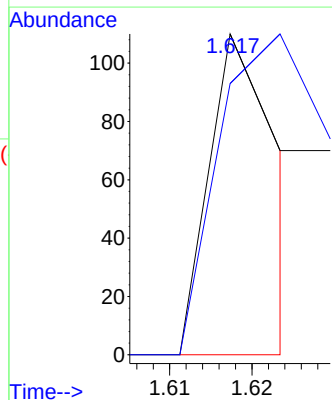
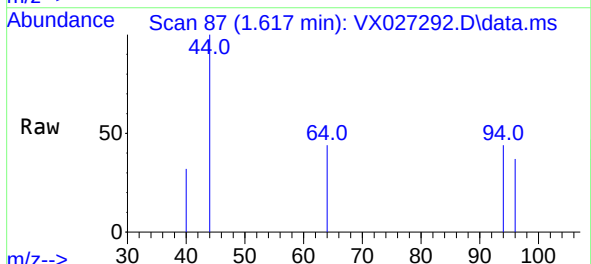


Tgt Ion:128 Resp: 12323
Ion Ratio Lower Upper
128 100
49 142.7 0.0 358.3
130 129.8 0.0 319.3

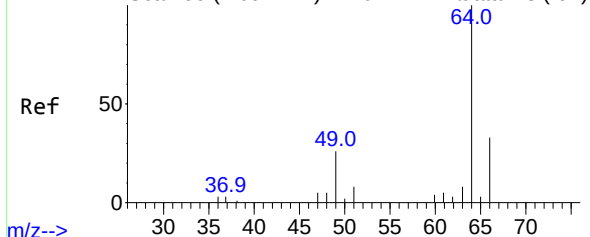


#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 84.5 77.0 115.6

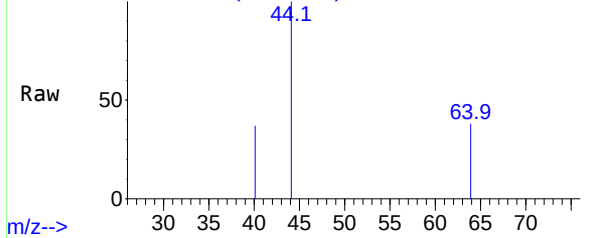


Abundance Scan 99 (1.691 min): VX027274.D\data.ms (-94)



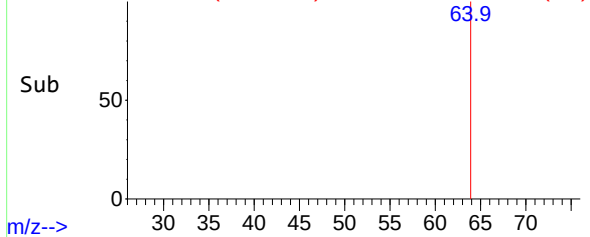
m/z-->

Abundance Scan 99 (1.690 min): VX027292.D\data.ms



m/z-->

Abundance Scan 99 (1.690 min): VX027292.D\data.ms (-17)



m/z-->

#6

Chloroethane

Concen: 0.315 ug/l

RT: 1.690 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX027292.D

Acq: 04 Mar 2022 11:25

Instrument :

MSVOA_X

ClientSampleId :

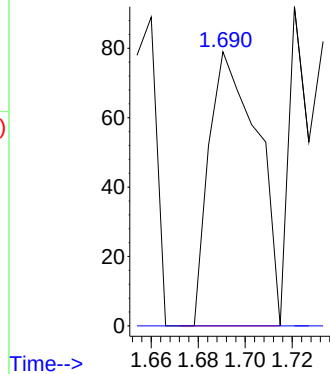
Tgt Ion: 64 Resp: 113

Ion Ratio Lower Upper

64 100

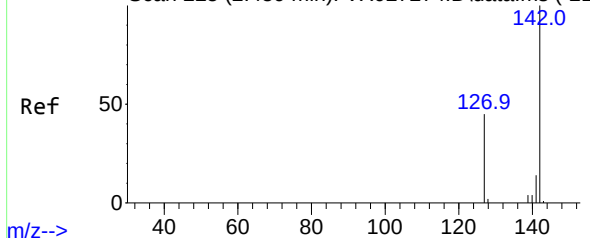
66 0.0 26.4 39.6#

Abundance



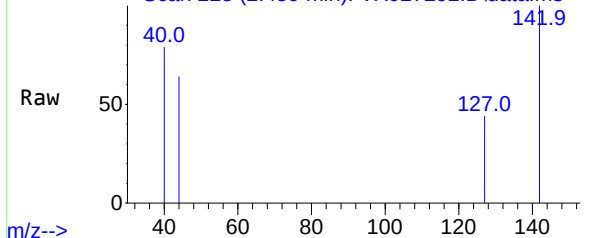
Time-->

Abundance Scan 225 (2.459 min): VX027274.D\data.ms (-21)



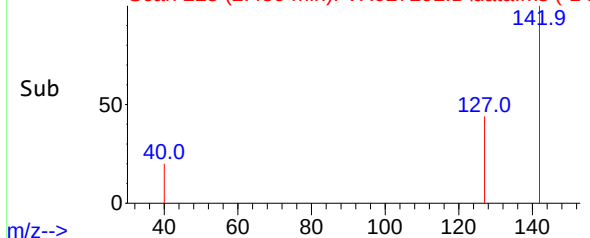
m/z-->

Abundance Scan 225 (2.459 min): VX027292.D\data.ms



m/z-->

Abundance Scan 225 (2.459 min): VX027292.D\data.ms (-14)



m/z-->

#11

Methyl Iodide

Concen: 0.260 ug/l

RT: 2.459 min Scan# 225

Delta R.T. -0.000 min

Lab File: VX027292.D

Acq: 04 Mar 2022 11:25

Tgt Ion:142 Resp: 214

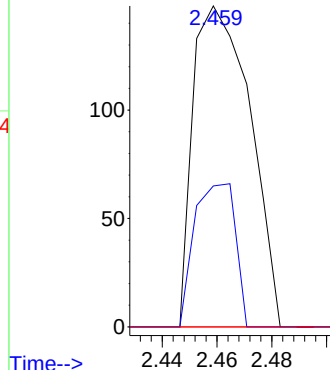
Ion Ratio Lower Upper

142 100

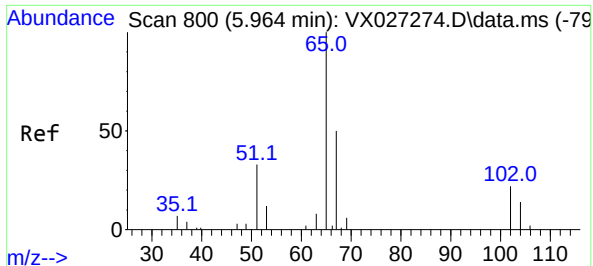
127 43.9 22.3 66.9

141 0.0 7.0 20.9#

Abundance



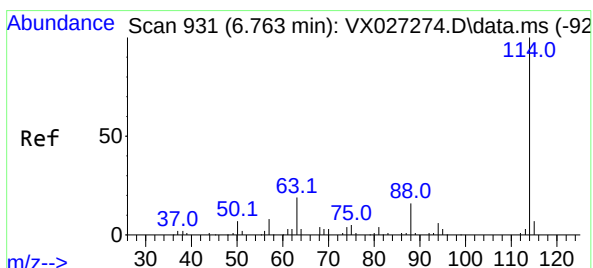
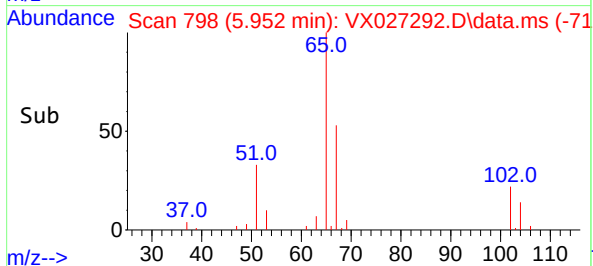
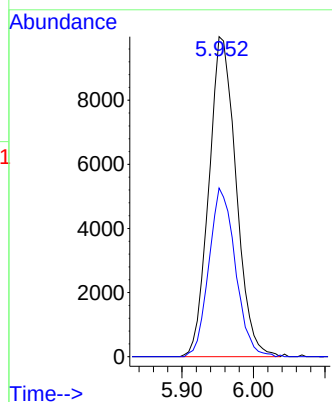
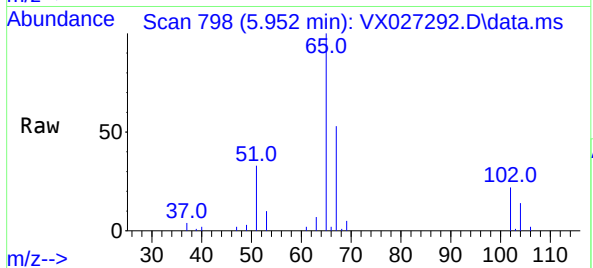
Time-->



#27
1,2-Dichloroethane-d4
Concen: 30.950 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.012 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

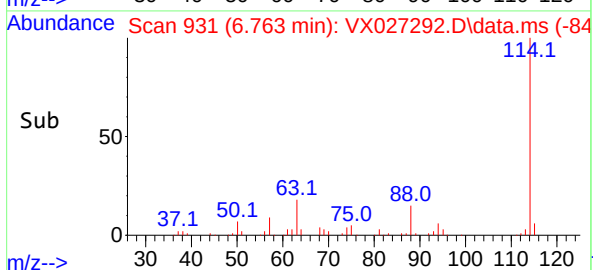
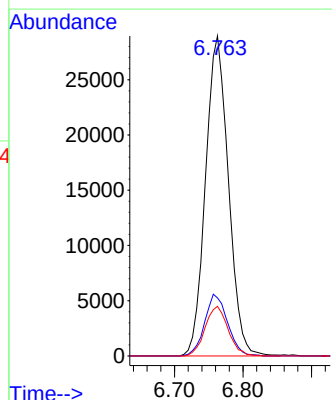
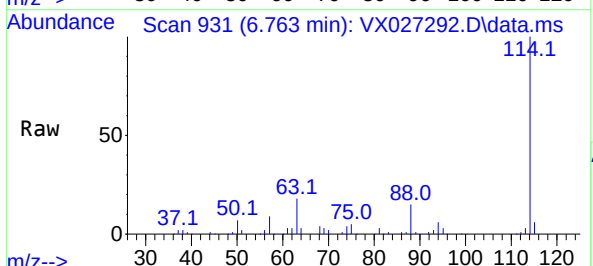
Instrument :
MSVOA_X
ClientSampleId :

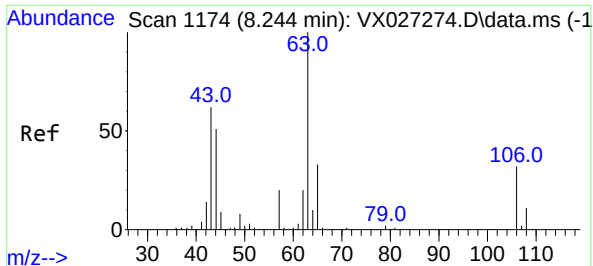
Tgt Ion: 65 Resp: 26404
Ion Ratio Lower Upper
65 100
67 51.2 42.3 63.5



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

Tgt Ion: 114 Resp: 67252
Ion Ratio Lower Upper
114 100
63 19.3 15.3 22.9
88 15.6 12.2 18.4

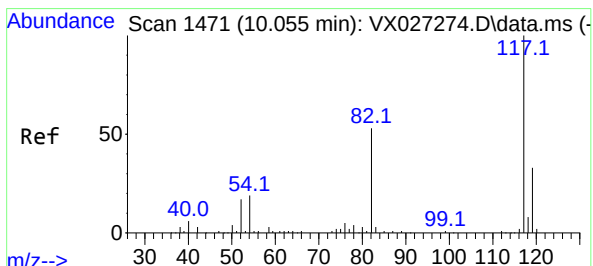
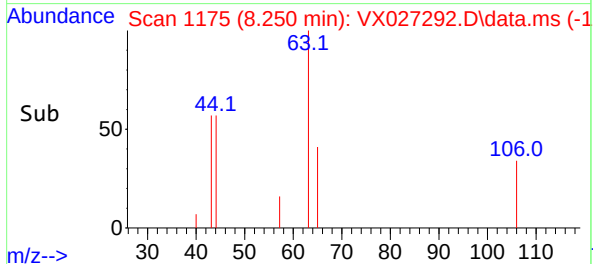
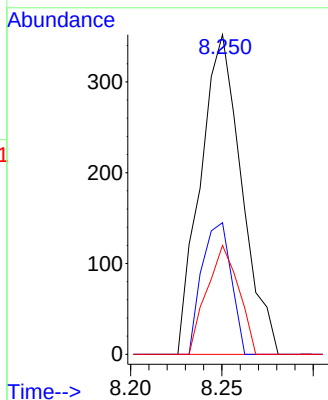
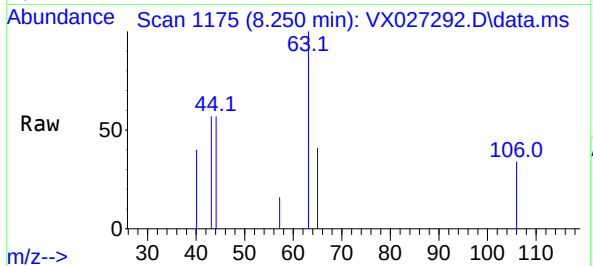




#55
2-Chloroethyl vinyl ether
Concen: 0.935 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

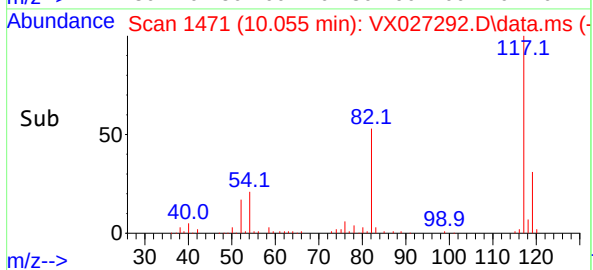
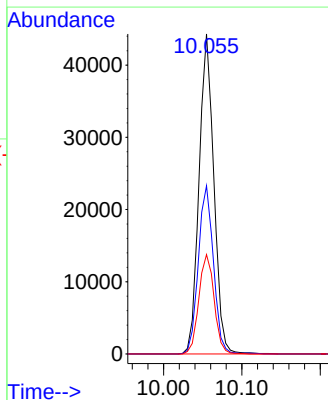
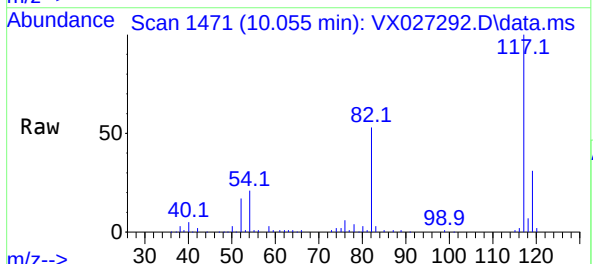
Instrument :
MSVOA_X
ClientSampleId :

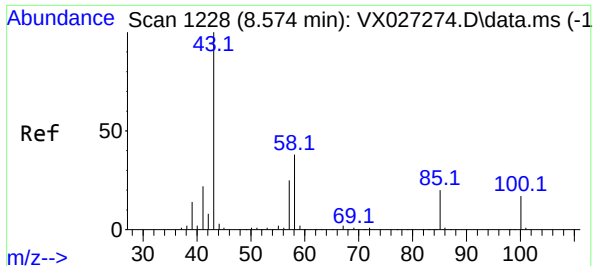
Tgt Ion: 63	Resp:	551
Ion	Ratio	Lower Upper
63	100	
65	29.2	25.9 38.9
106	26.3	25.8 38.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

Tgt Ion: 117	Resp:	58213
Ion	Ratio	Lower Upper
117	100	
82	53.6	42.3 63.5
119	32.1	26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 0.349 ug/l

RT: 8.640 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027292.D

Acq: 04 Mar 2022 11:25

Instrument :

MSVOA_X

ClientSampleId :

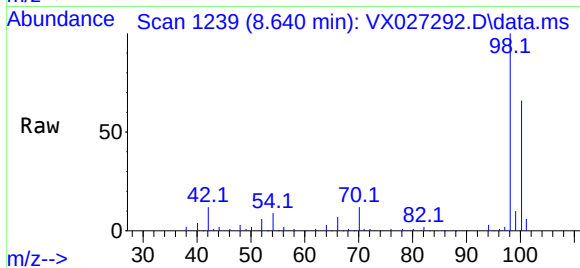
Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

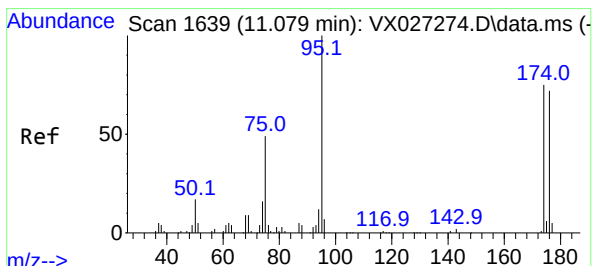
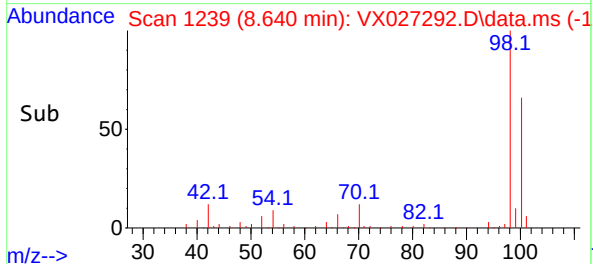
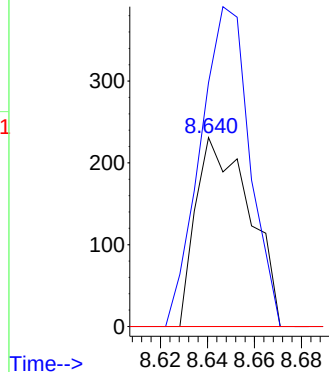
43 100

58 156.1 31.8 47.6#

85 0.0 15.8 23.6#



Abundance



#60

4-Bromofluorobenzene

Concen: 27.438 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX027292.D

Acq: 04 Mar 2022 11:25

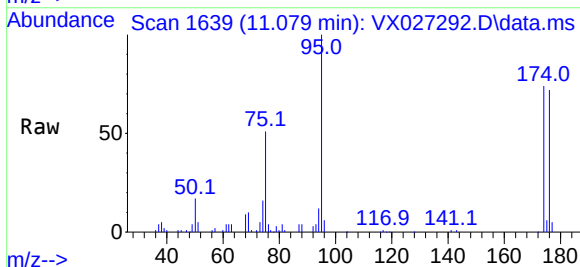
Tgt Ion: 95 Resp: 25876

Ion Ratio Lower Upper

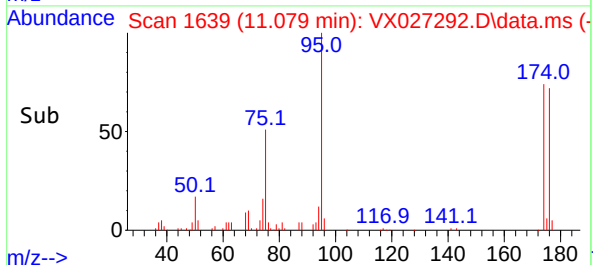
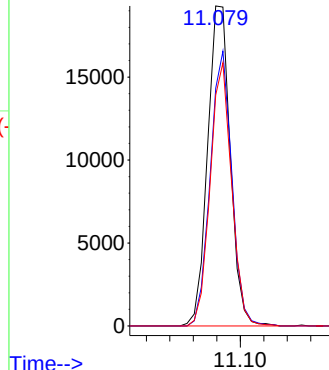
95 100

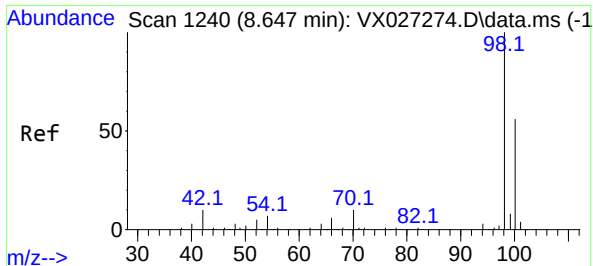
174 81.7 65.4 98.2

176 77.6 63.4 95.0



Abundance

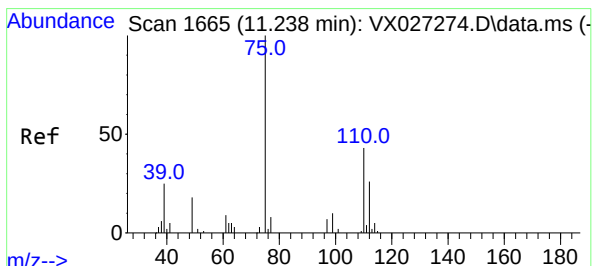
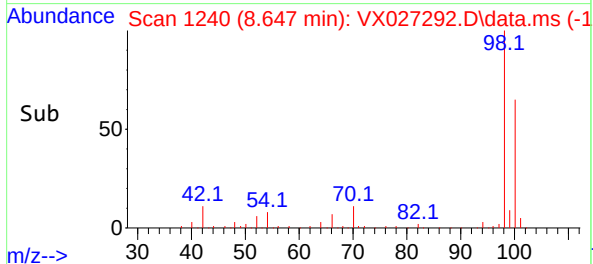
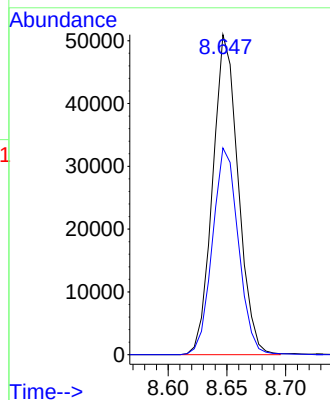
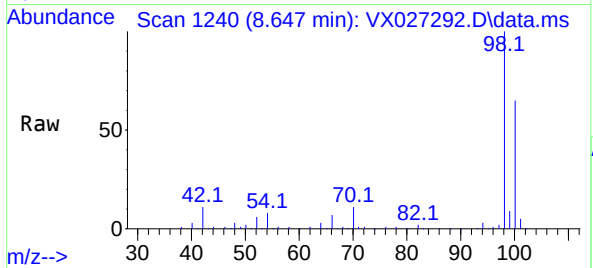




#63
Toluene-d8
Concen: 30.274 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

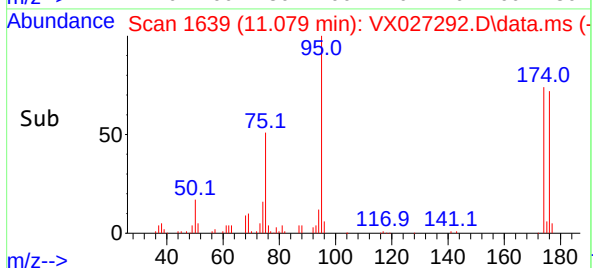
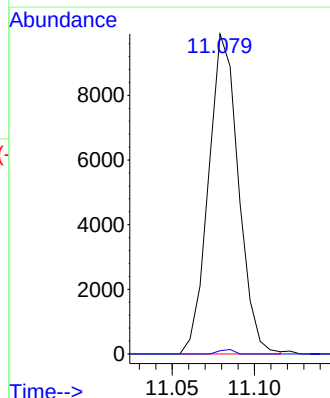
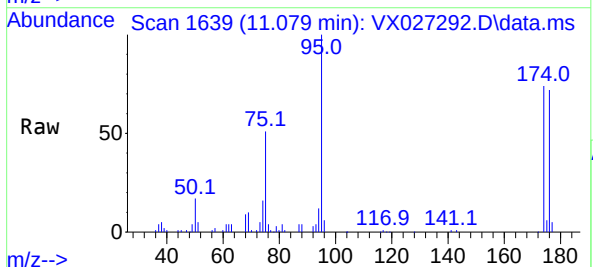
Instrument :
MSVOA_X
ClientSampleId :

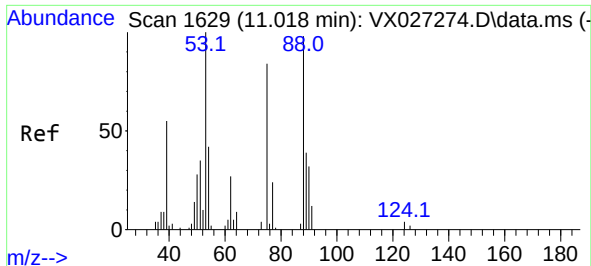
Tgt Ion: 98 Resp: 77044
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2



#72
1,2,3-Trichloropropane
Concen: 12.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

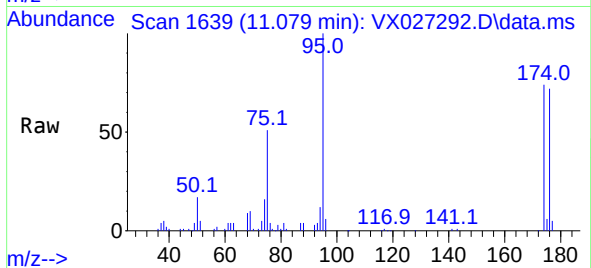
Tgt Ion: 75 Resp: 12548
Ion Ratio Lower Upper
75 100
77 0.7 0.0 78.6





#77
t-1,4-Dichloro-2-butene
Concen: 41.460 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX027292.D
Acq: 04 Mar 2022 11:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 12548
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

