

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024059.D
 Acq On : 01 Sep 2021 12:40
 Operator : JC/MD
 Sample : M3610-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 02 07:08:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

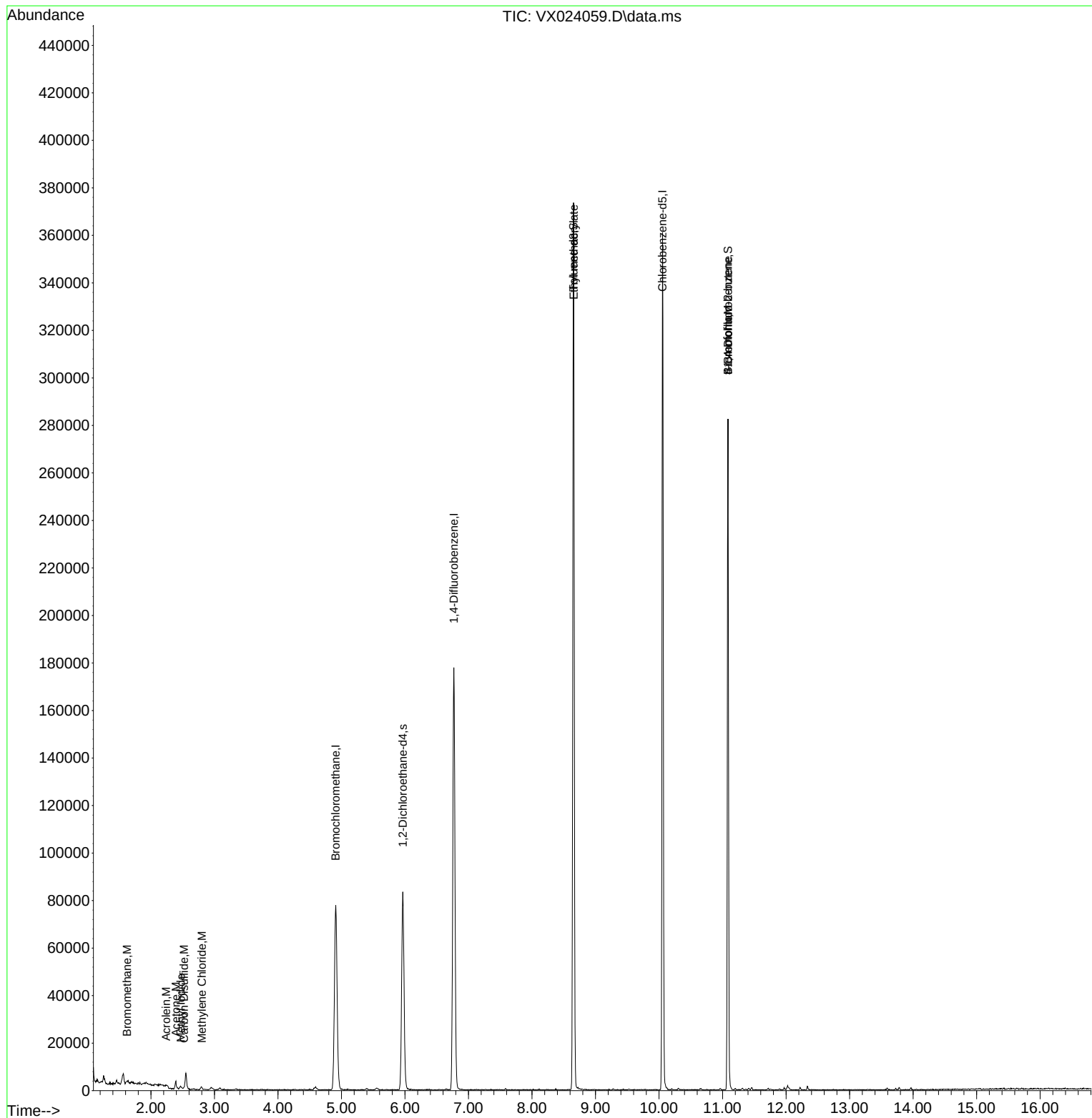
Internal Standards						
1) Bromochloromethane	4.910	128	31221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	173344	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155850	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	82488	34.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.87%#
60) 4-Bromofluorobenzene	11.085	95	70673	27.69	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.30%
63) Toluene-d8	8.653	98	209538	29.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.57%
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	417	0.34	ug/l	89
11) Methyl Iodide	2.471	142	1595	0.63	ug/l	86
13) Acrolein	2.239	56	112	0.38	ug/l	83
15) Acetone	2.392	58	891	2.46	ug/l	76
16) Carbon Disulfide	2.520	76	980	0.22	ug/l #	75
18) Methylene Chloride	2.800	84	534	0.25	ug/l #	74
51) Ethyl methacrylate	8.659	69	901	0.26	ug/l	89
56) Bromoform	11.085	173	679	0.43	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	38679	36.94	ug/l #	7

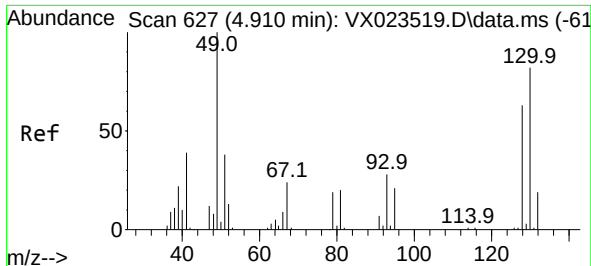
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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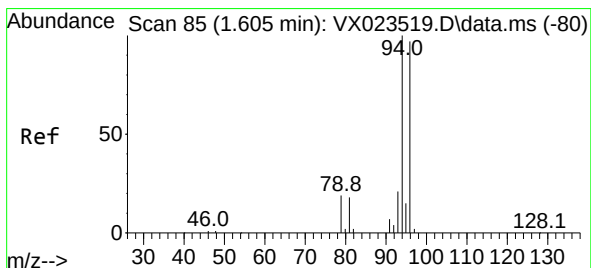
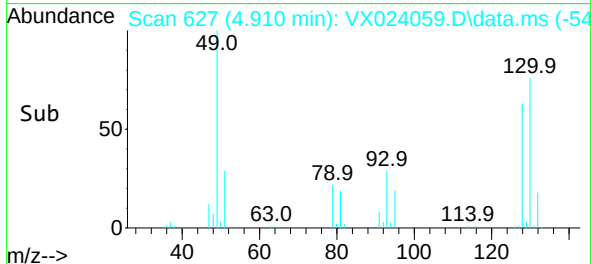
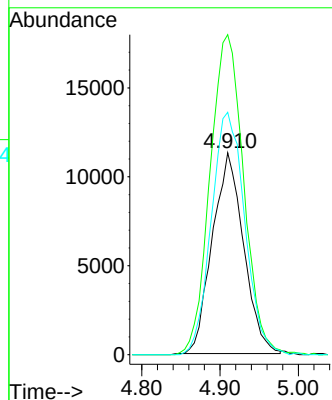
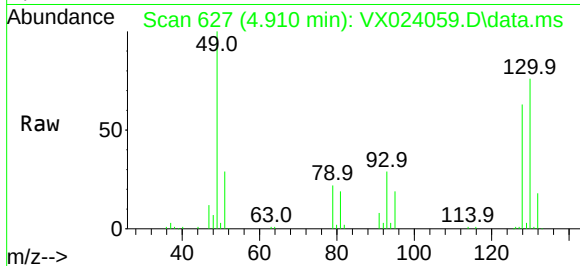




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

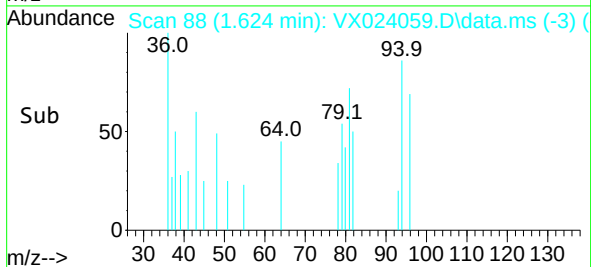
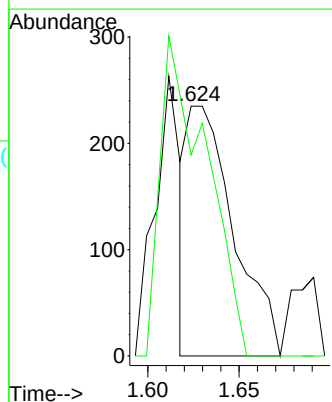
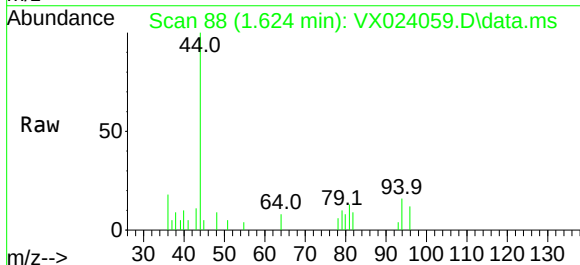
Instrument :
MSVOA_X
ClientSampled :

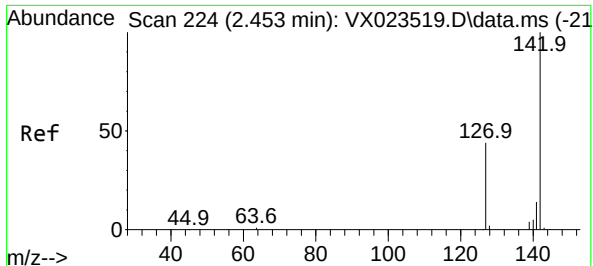
Tgt Ion:128 Resp: 31221
Ion Ratio Lower Upper
128 100
49 171.4 0.0 402.5
130 129.7 0.0 326.5



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 80.4 72.8 109.2





#11

Methyl Iodide

Concen: 0.63 ug/l

RT: 2.471 min Scan# 227

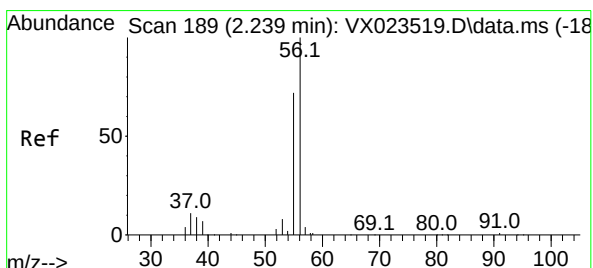
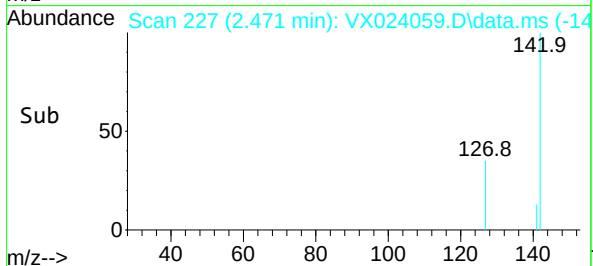
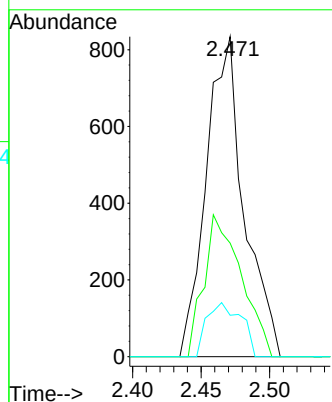
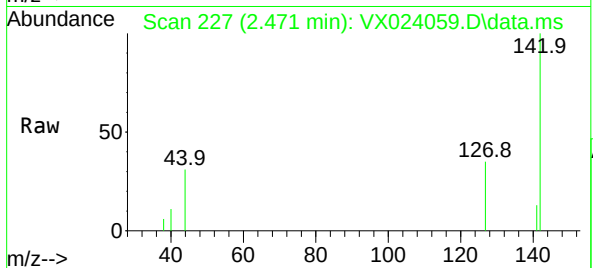
Delta R.T. 0.018 min

Lab File: VX024059.D

Acq: 01 Sep 2021 12:40

Tgt Ion:	142	Resp:	1595
Ion	Ratio	Lower	Upper
142	100		
127	35.5	23.6	71.0
141	12.9	7.1	21.3

Instrument :
MSVOA_X
ClientSampleId :



#13

Acrolein

Concen: 0.38 ug/l

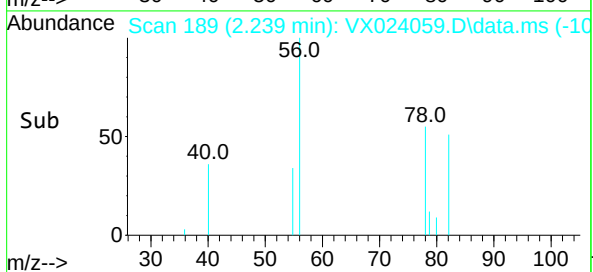
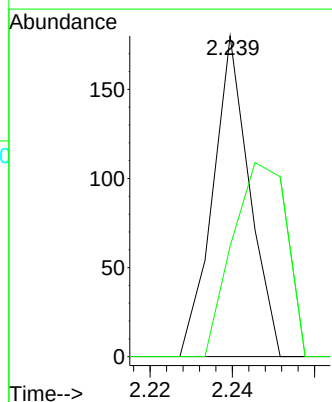
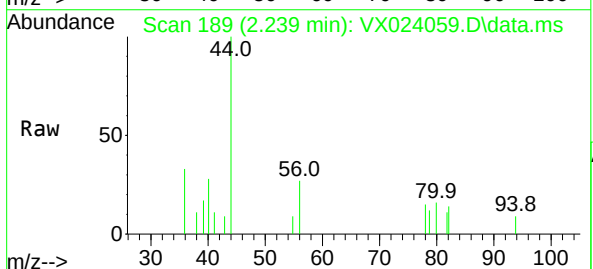
RT: 2.239 min Scan# 189

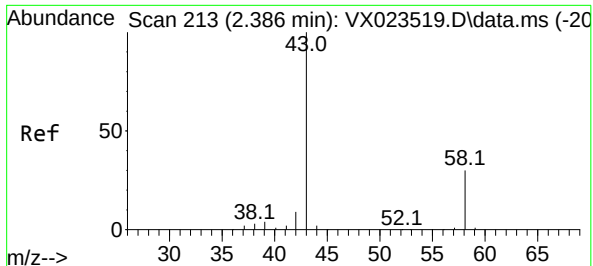
Delta R.T. 0.000 min

Lab File: VX024059.D

Acq: 01 Sep 2021 12:40

Tgt Ion:	56	Resp:	112
Ion	Ratio	Lower	Upper
56	100		
55	88.4	59.5	89.3

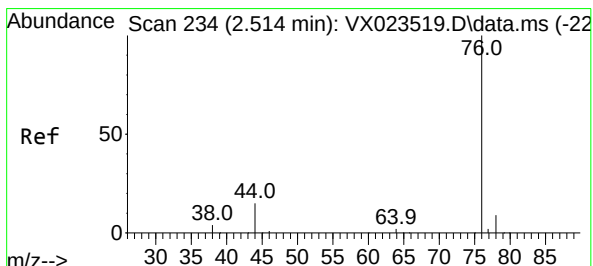
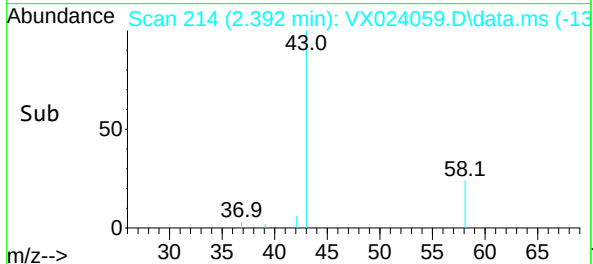
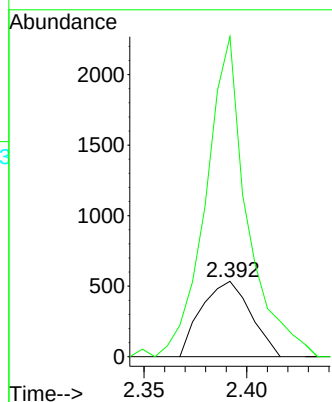
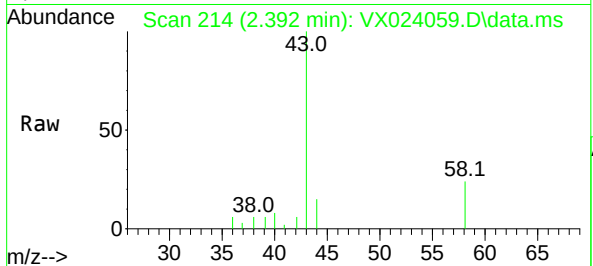




#15
Acetone
Concen: 2.46 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

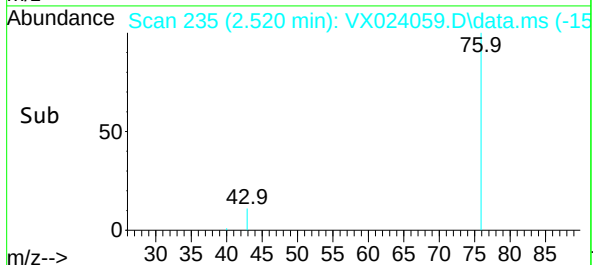
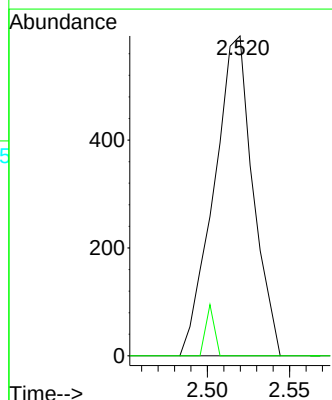
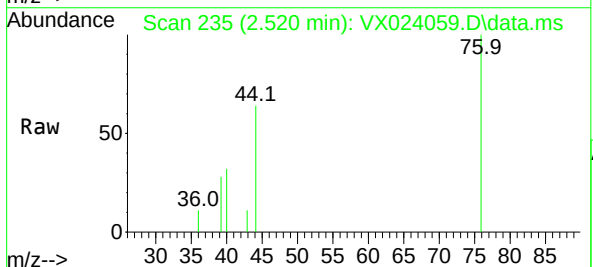
Instrument :
MSVOA_X
ClientSampleId :

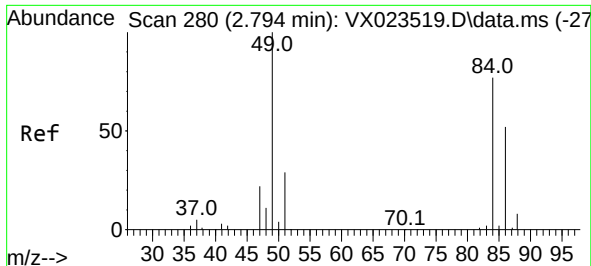
Tgt Ion: 58 Resp: 891
Ion Ratio Lower Upper
58 100
43 383.3 266.6 400.0



#16
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

Tgt Ion: 76 Resp: 980
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#18

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024059.D

Acq: 01 Sep 2021 12:40

Tgt Ion: 84 Resp: 534

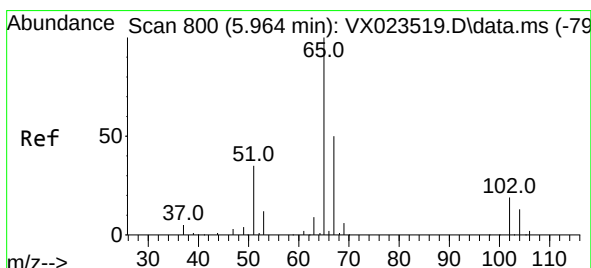
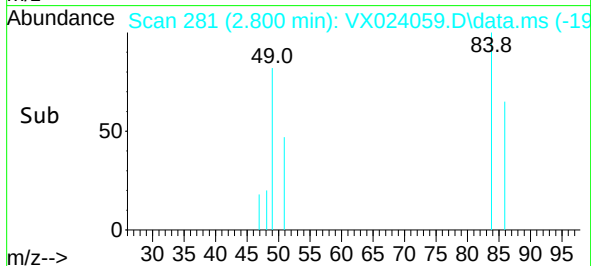
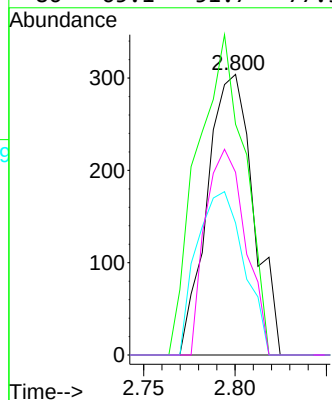
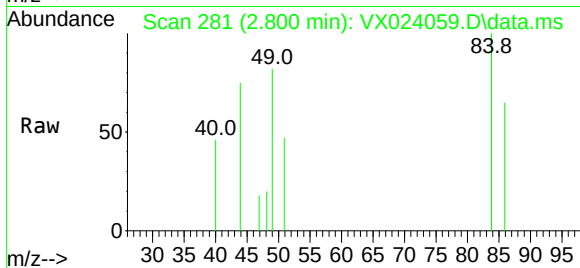
Ion Ratio Lower Upper

84 100

49 82.2 104.3 156.5#

51 47.0 30.3 45.5#

86 65.1 51.7 77.5



#27

1,2-Dichloroethane-d4

Concen: 34.16 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024059.D

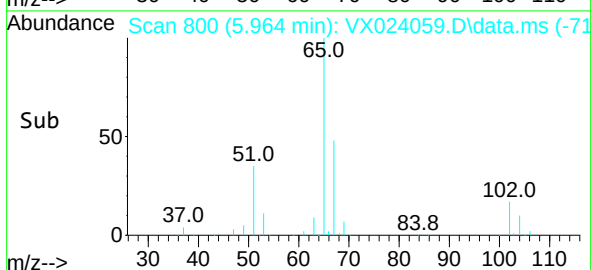
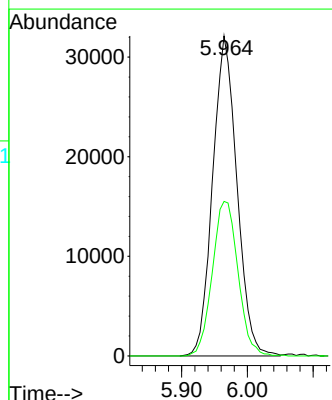
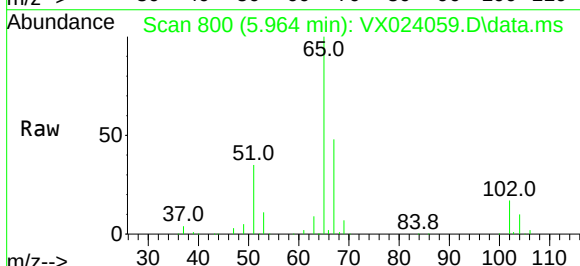
Acq: 01 Sep 2021 12:40

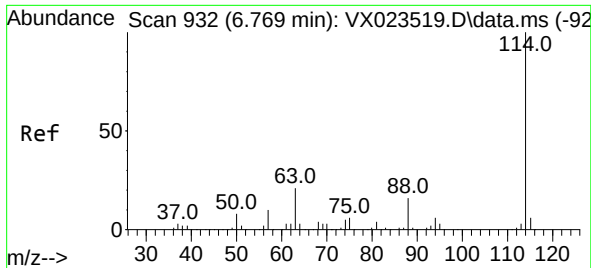
Tgt Ion: 65 Resp: 82488

Ion Ratio Lower Upper

65 100

67 51.0 42.4 63.6

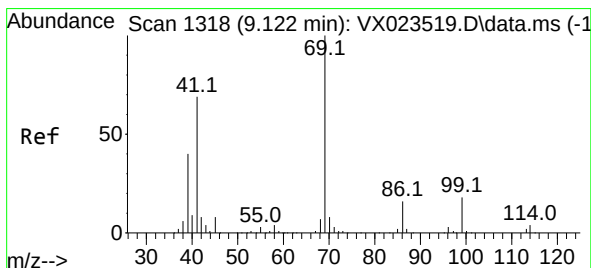
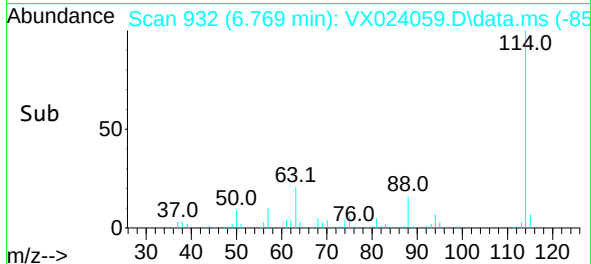
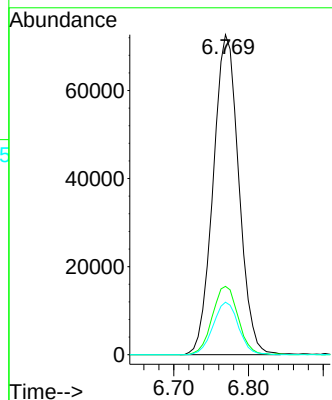
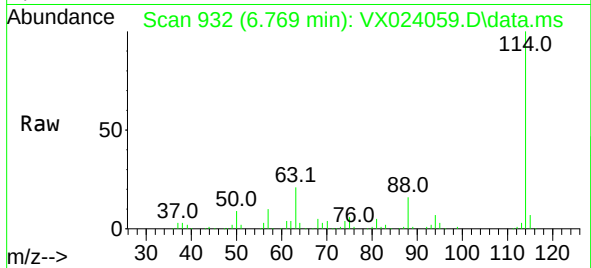




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

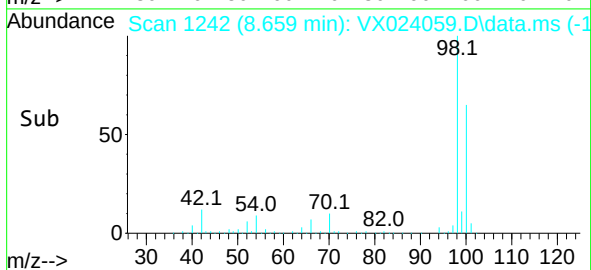
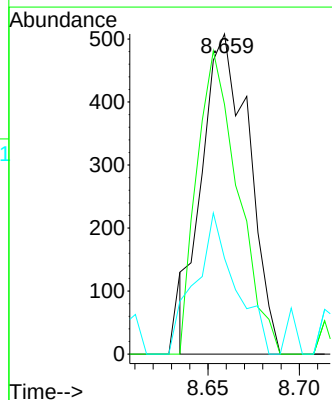
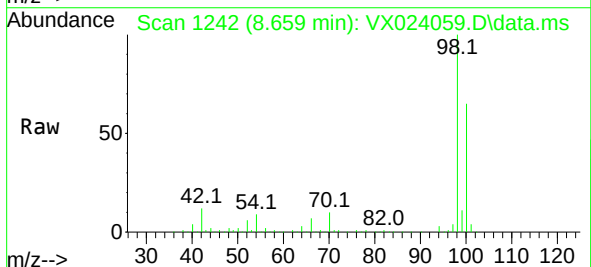
Instrument :
MSVOA_X
ClientSampleId :

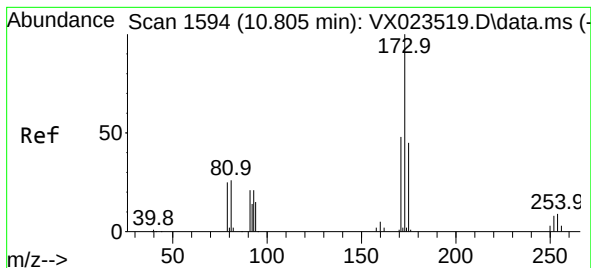
Tgt Ion:114 Resp: 173344
Ion Ratio Lower Upper
114 100
63 21.5 16.4 24.6
88 16.2 12.7 19.1



#51
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.463 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

Tgt Ion: 69 Resp: 901
Ion Ratio Lower Upper
69 100
41 78.0 35.8 107.3
39 29.9 20.3 60.8





#56

Bromoform

Concen: 0.43 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.281 min

Lab File: VX024059.D

Acq: 01 Sep 2021 12:40

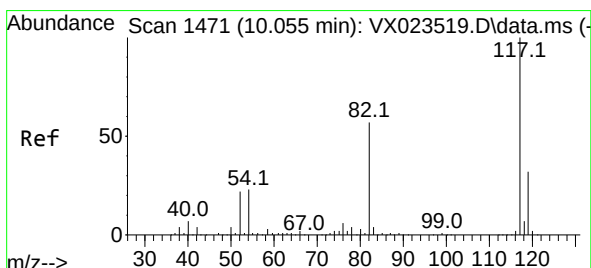
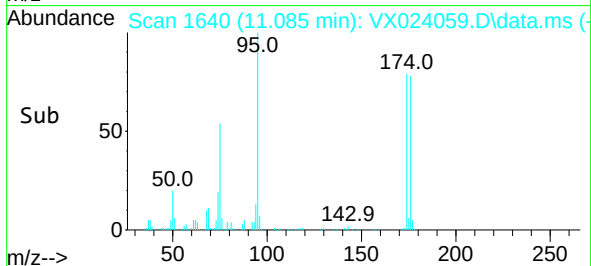
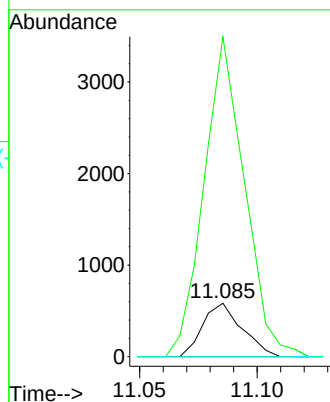
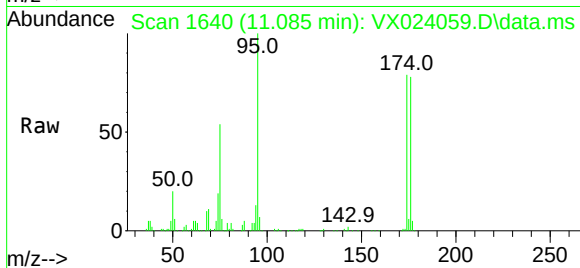
Tgt Ion:173 Resp: 679

Ion Ratio Lower Upper

173 100

175 617.2 38.4 57.6#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX024059.D

Acq: 01 Sep 2021 12:40

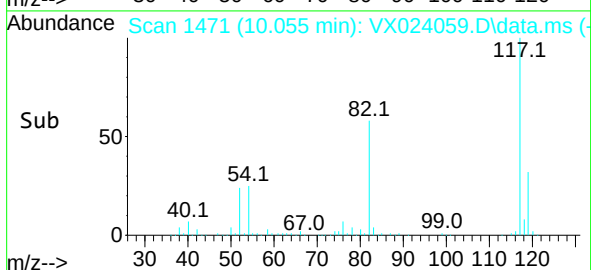
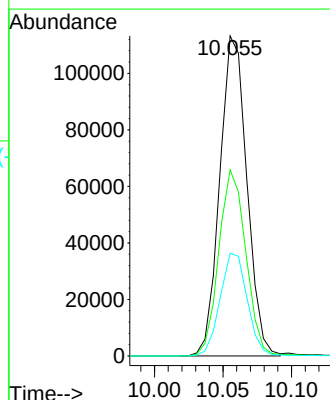
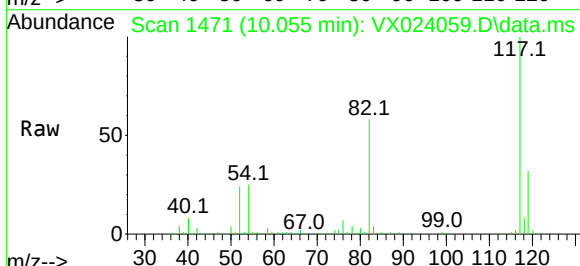
Tgt Ion:117 Resp: 155850

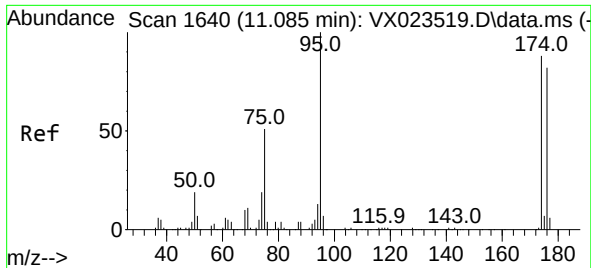
Ion Ratio Lower Upper

117 100

82 58.3 45.0 67.4

119 32.2 26.2 39.2

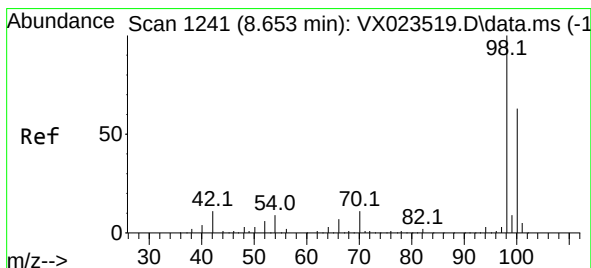
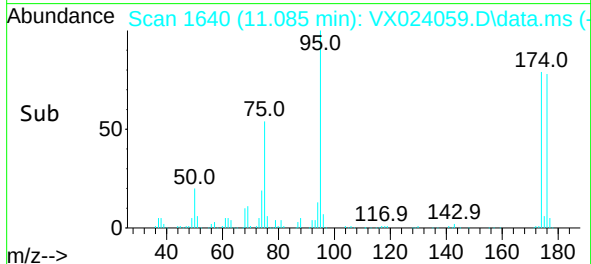
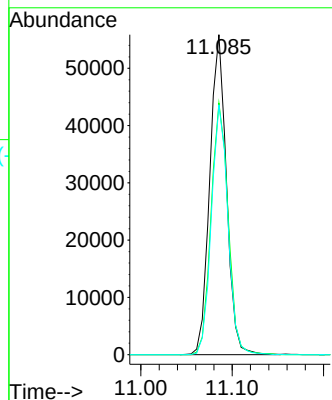
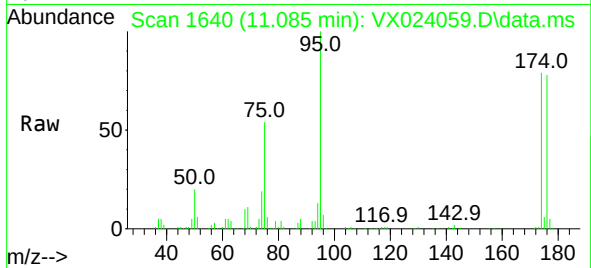




#60
4-Bromofluorobenzene
Concen: 27.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

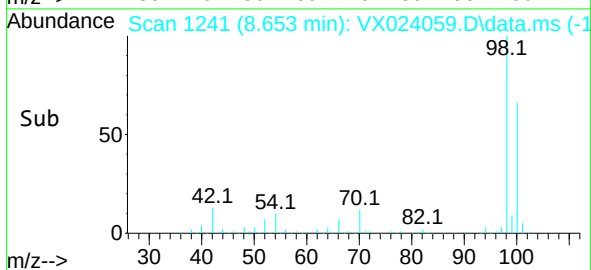
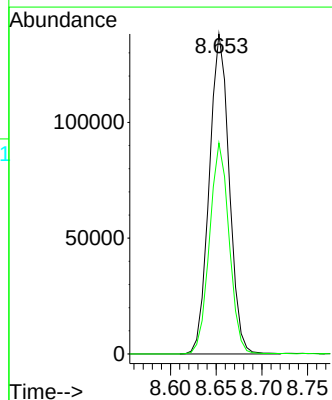
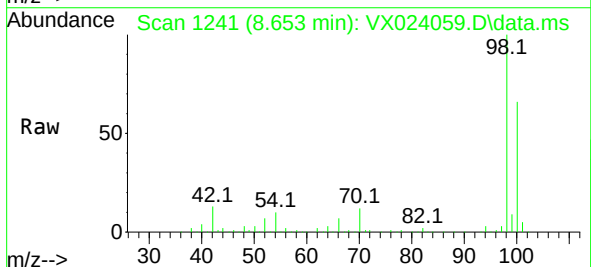
Instrument :
MSVOA_X
ClientSampleId :

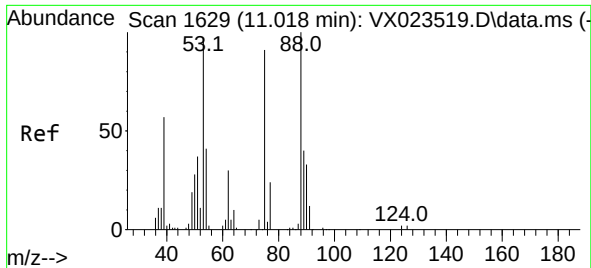
Tgt Ion: 95 Resp: 70673
Ion Ratio Lower Upper
95 100
174 80.7 63.5 95.3
176 77.5 63.0 94.4



#63
Toluene-d8
Concen: 29.87 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024059.D
Acq: 01 Sep 2021 12:40

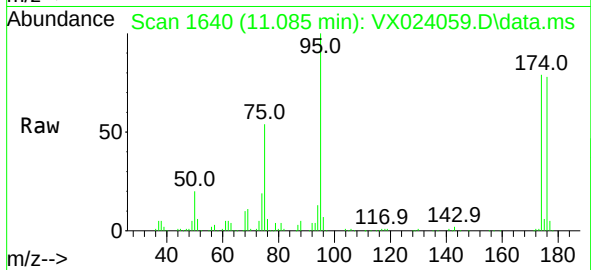
Tgt Ion: 98 Resp: 209538
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.94 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX024059.D
 Acq: 01 Sep 2021 12:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	38679
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.9	161.7#
89	0.0	22.9	68.7#

