

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
 Data File : VX026453.D
 Acq On : 14 Jan 2022 14:10
 Operator : JC/MD
 Sample : N1149-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 6NEFF-0122

Quant Time: Jan 17 05:58:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

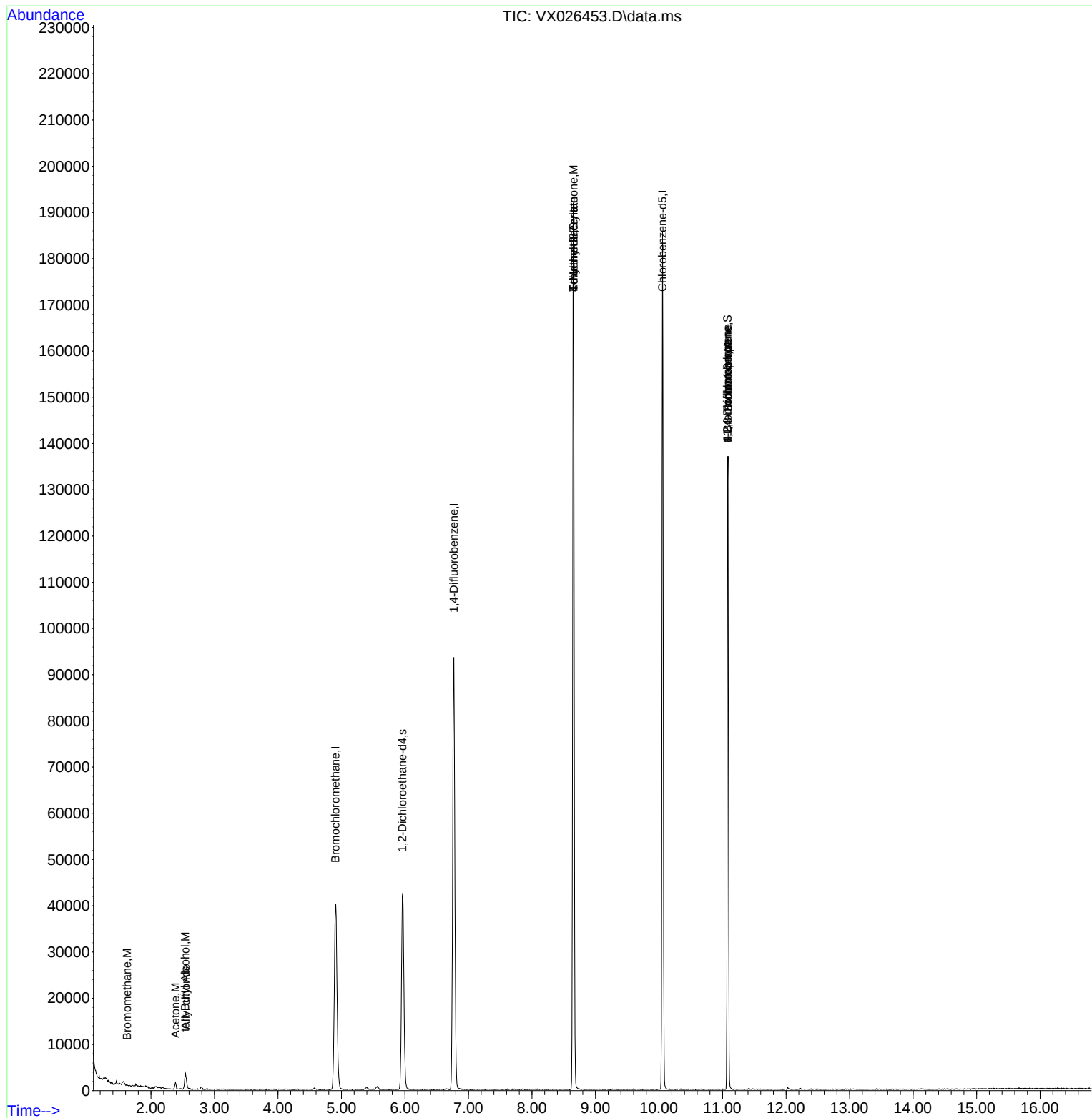
Internal Standards						
1) Bromochloromethane	4.904	128	17209	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	94000	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80386	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	42317	30.580	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.933%
60) 4-Bromofluorobenzene	11.079	95	38683	28.834	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.653	98	109654	29.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.967%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	100	0.222	ug/l #	70
15) Acetone	2.386	58	428	2.521	ug/l	77
17) Allyl chloride	2.544	41	471	0.265	ug/l #	76
23) tert-Butyl Alcohol	2.538	59	143	0.729	ug/l #	100
51) Ethyl methacrylate	8.653	69	353	0.223	ug/l #	67
56) Bromoform	11.085	173	362	0.505	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	473	0.315	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	19703	15.357	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	19703	51.061	ug/l #	3

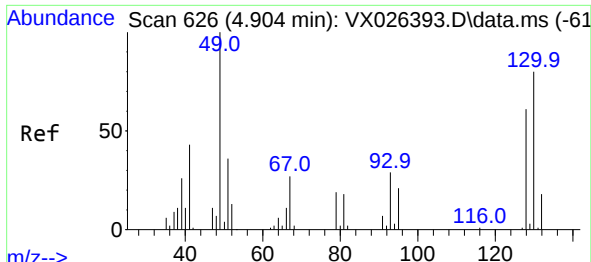
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

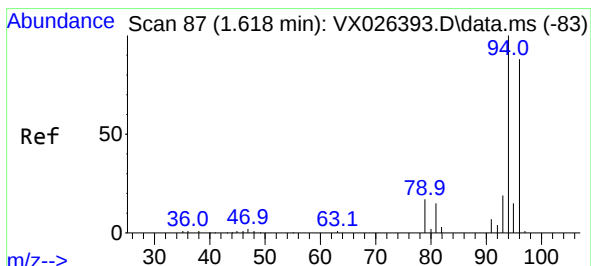
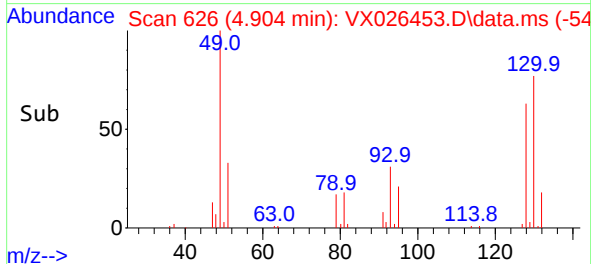
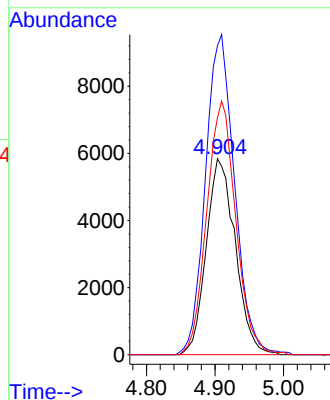
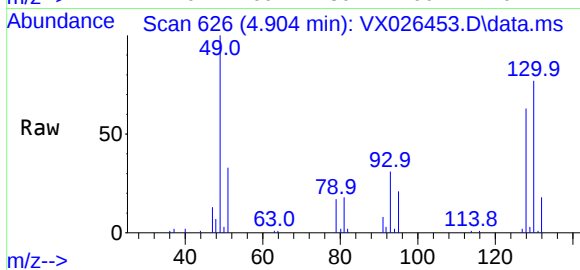




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

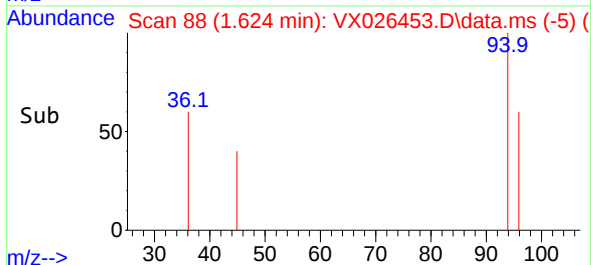
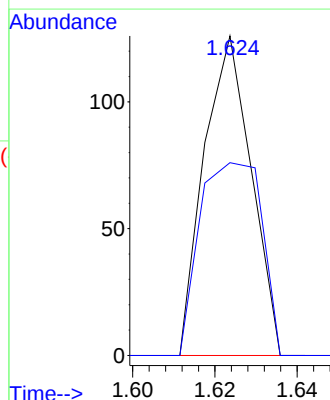
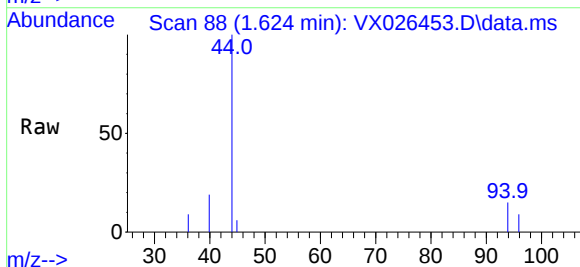
Instrument :
MSVOA_X
ClientSampleId :
6NEFF-0122

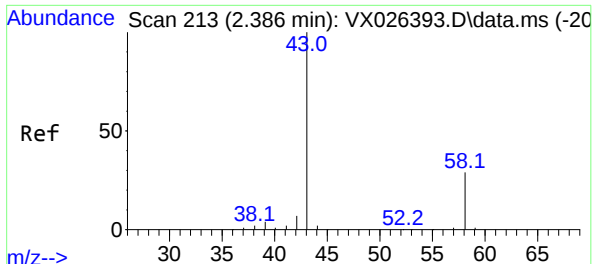
Tgt Ion:128 Resp: 17209
Ion Ratio Lower Upper
128 100
49 163.4 0.0 413.5
130 129.5 0.0 326.0



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

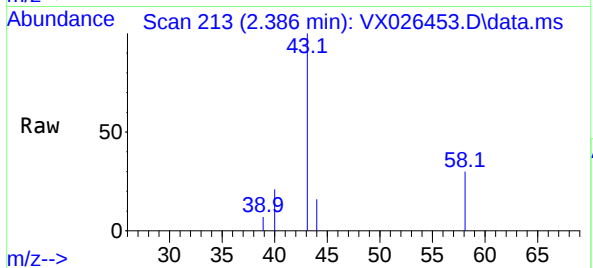
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 60.3 70.3 105.5#



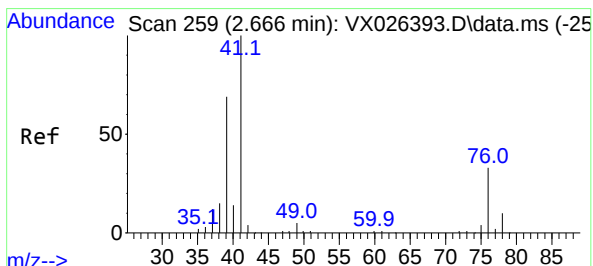
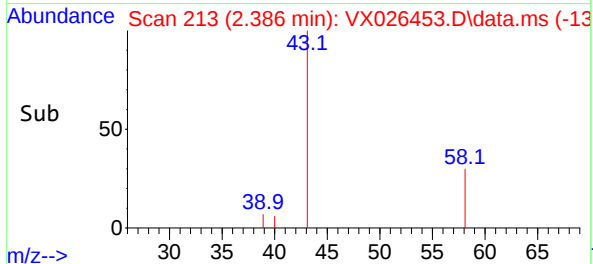
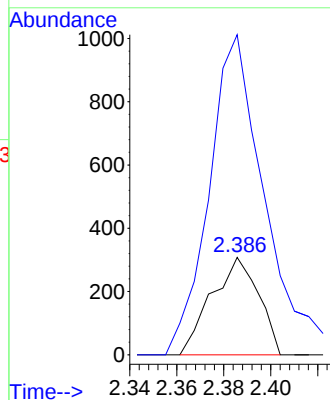


#15
Acetone
Concen: 2.521 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

Instrument :
MSVOA_X
ClientSampleId :
6NEFF-0122

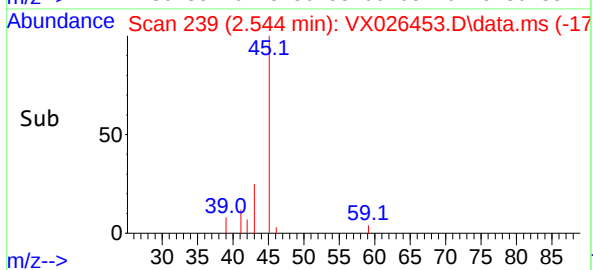
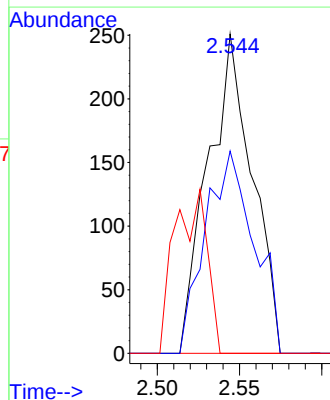
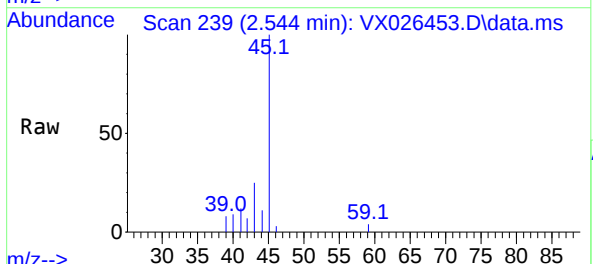


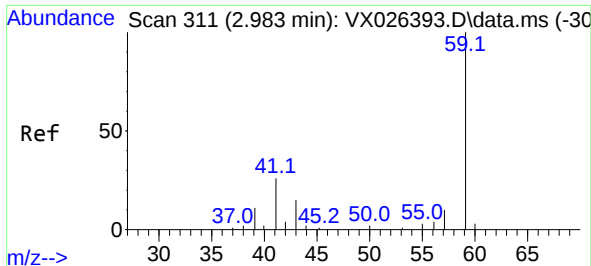
Tgt Ion: 58 Resp: 428
Ion Ratio Lower Upper
58 100
43 296.1 276.3 414.5



#17
Allyl chloride
Concen: 0.265 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

Tgt Ion: 41 Resp: 471
Ion Ratio Lower Upper
41 100
39 63.3 34.5 103.5
76 0.0 16.7 50.0#

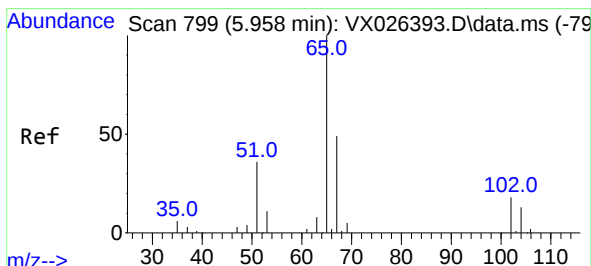
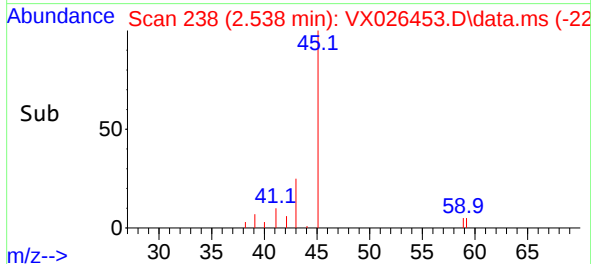
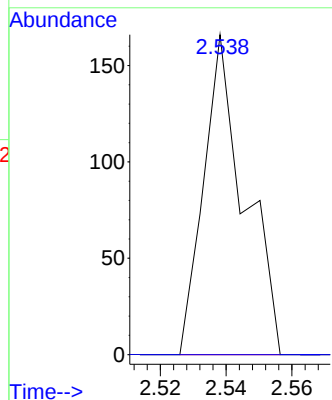
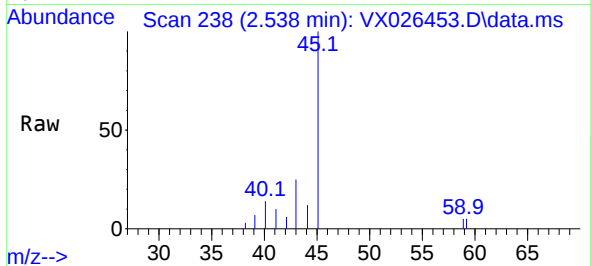




#23
tert-Butyl Alcohol
Concen: 0.729 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.445 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

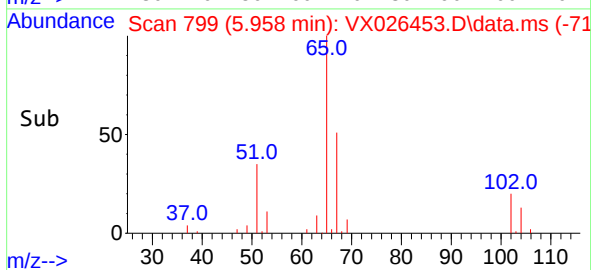
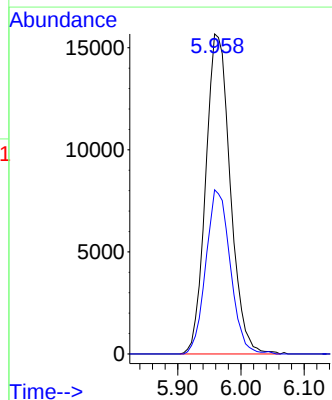
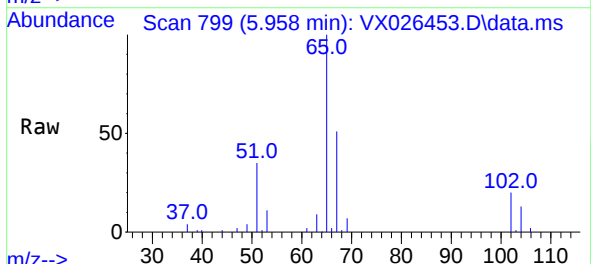
Instrument :
MSVOA_X
ClientSampleId :
6NEFF-0122

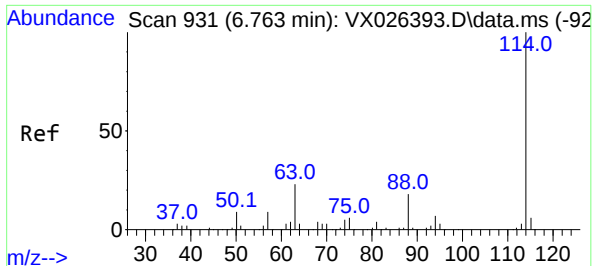
Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.580 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

Tgt Ion: 65 Resp: 42317
Ion Ratio Lower Upper
65 100
67 50.9 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026453.D

Acq: 14 Jan 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

6NEFF-0122

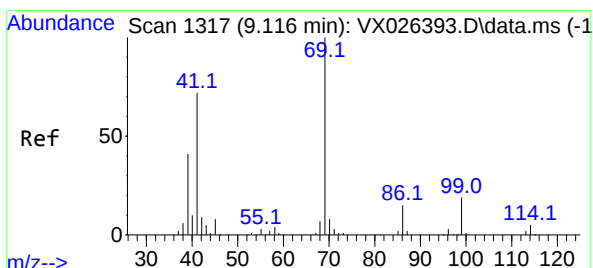
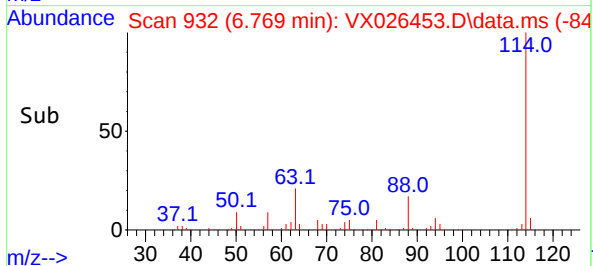
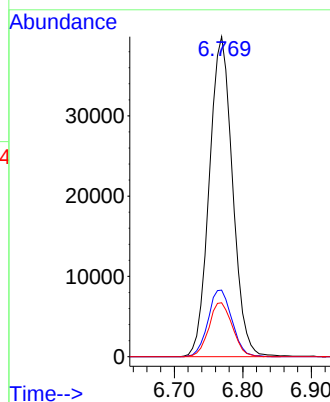
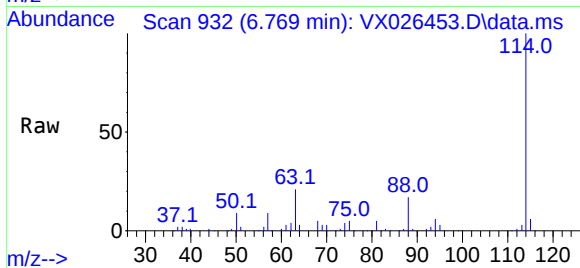
Tgt Ion:114 Resp: 94000

Ion Ratio Lower Upper

114 100

63 21.4 17.4 26.2

88 17.1 13.5 20.3



#51

Ethyl methacrylate

Concen: 0.223 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX026453.D

Acq: 14 Jan 2022 14:10

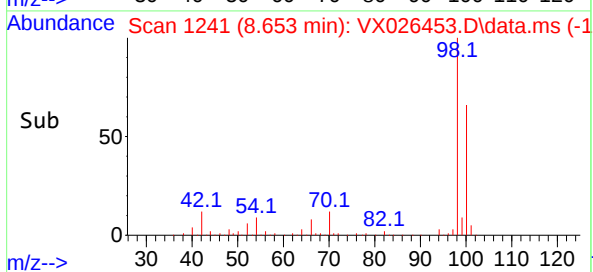
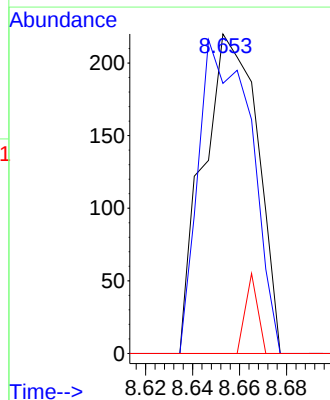
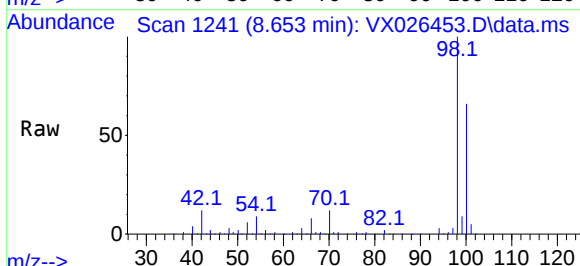
Tgt Ion: 69 Resp: 353

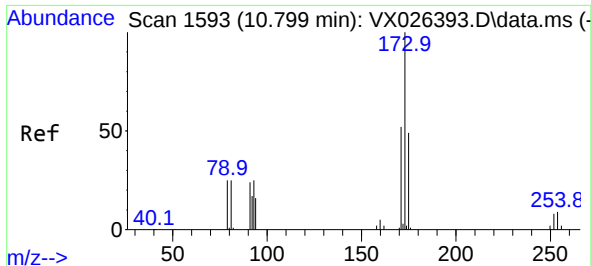
Ion Ratio Lower Upper

69 100

41 84.5 35.9 107.7

39 0.0 20.3 61.0#

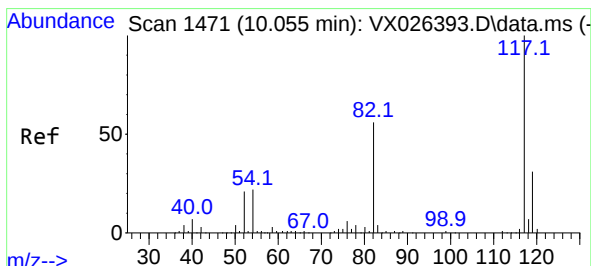
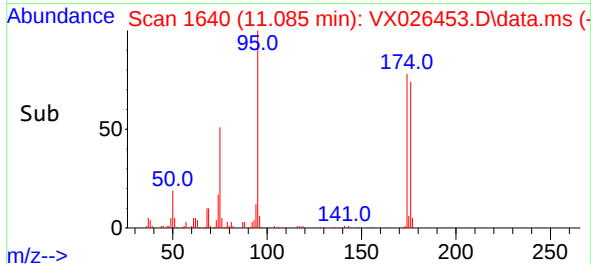
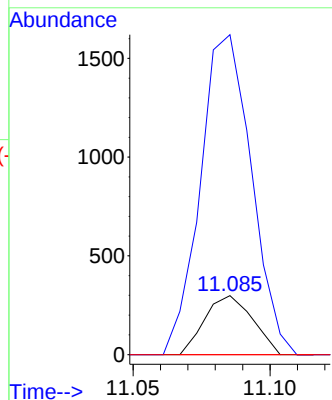
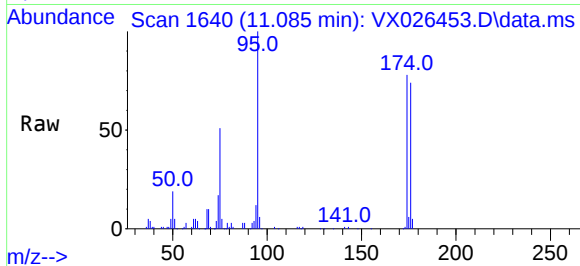




#56
Bromoform
Concen: 0.505 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.287 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

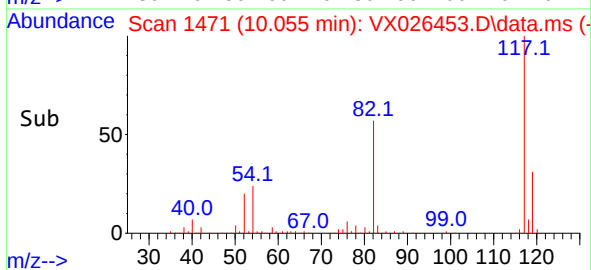
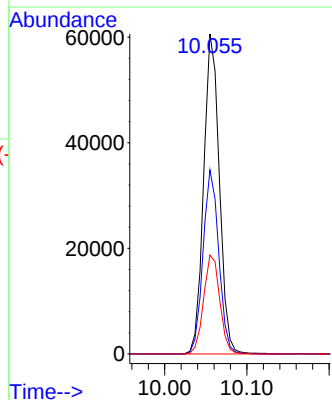
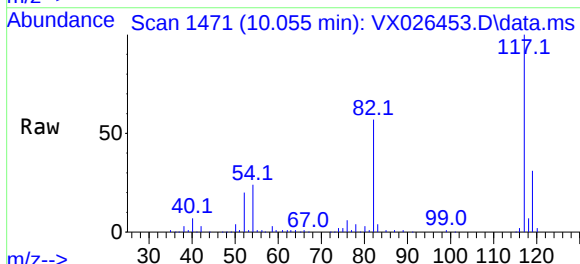
Instrument :
MSVOA_X
ClientSampleId :
6NEFF-0122

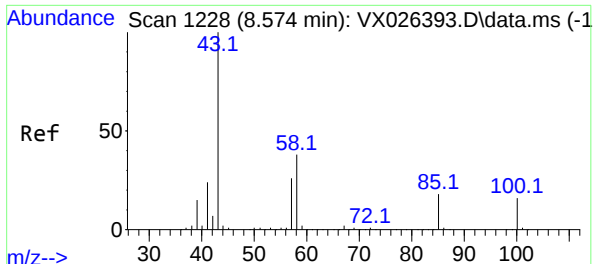
Tgt Ion:173 Resp: 362
Ion Ratio Lower Upper
173 100
175 580.7 38.0 57.0#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026453.D
Acq: 14 Jan 2022 14:10

Tgt Ion:117 Resp: 80386
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 31.9 25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 0.315 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX026453.D

Acq: 14 Jan 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

6NEFF-0122

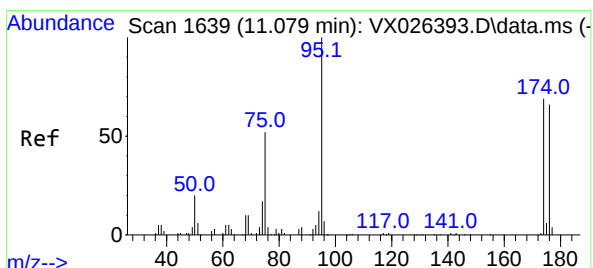
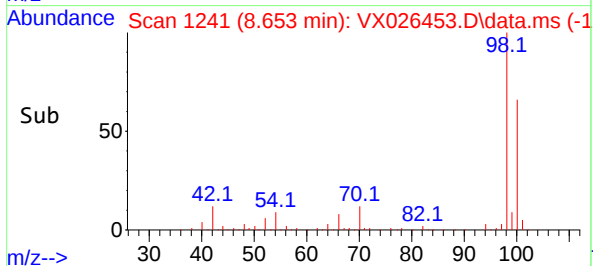
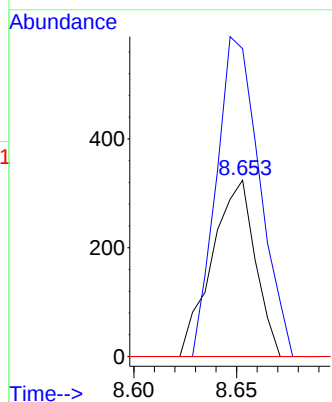
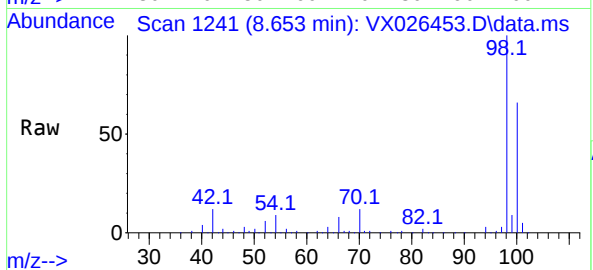
Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 181.8 30.2 45.4#

85 0.0 14.1 21.1#



#60

4-Bromofluorobenzene

Concen: 28.834 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026453.D

Acq: 14 Jan 2022 14:10

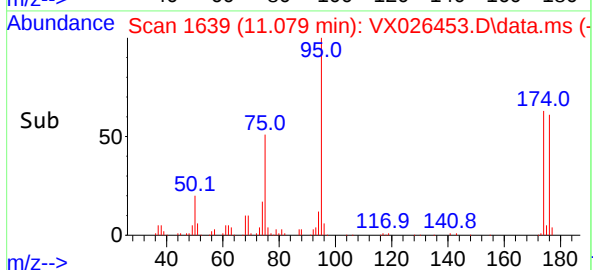
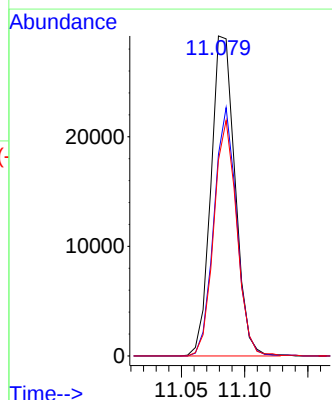
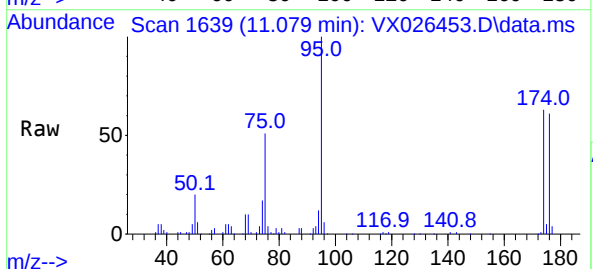
Tgt Ion: 95 Resp: 38683

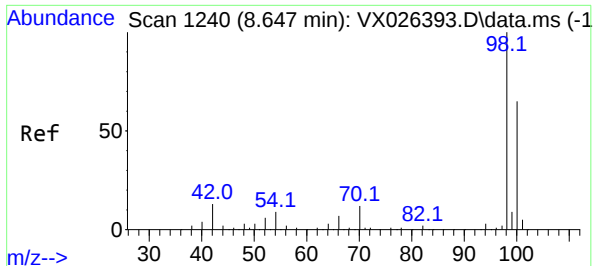
Ion Ratio Lower Upper

95 100

174 72.9 58.0 87.0

176 69.7 56.5 84.7





#63

Toluene-d8

Concen: 29.693 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026453.D

Acq: 14 Jan 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

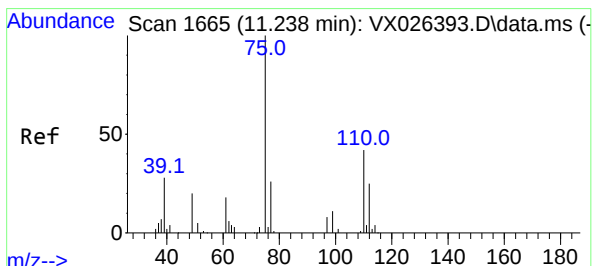
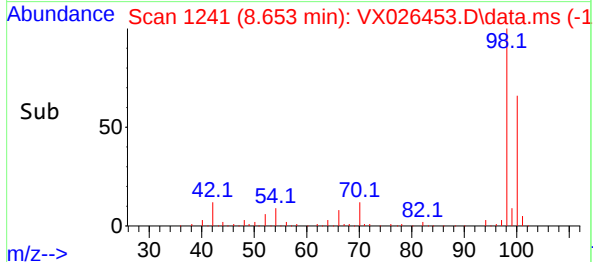
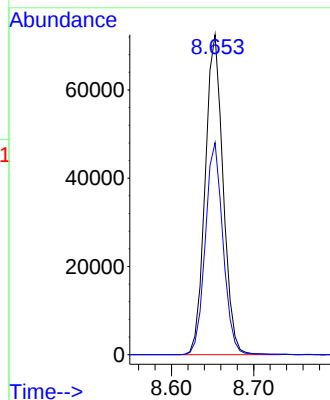
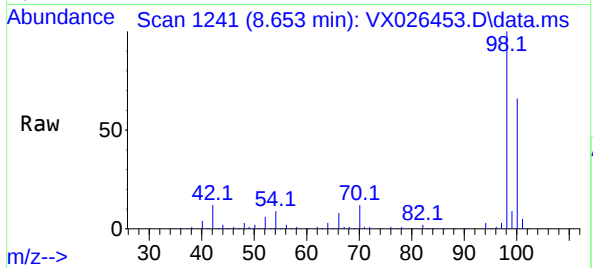
6NEFF-0122

Tgt Ion: 98 Resp: 109654

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 15.357 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX026453.D

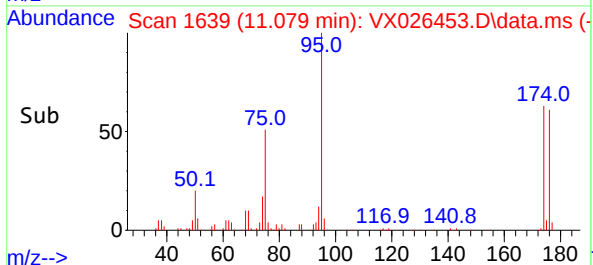
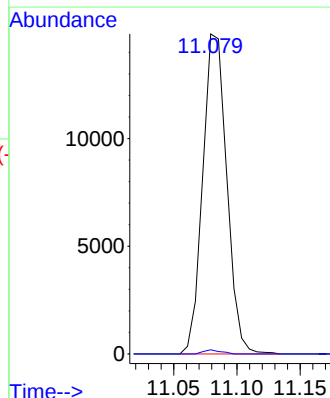
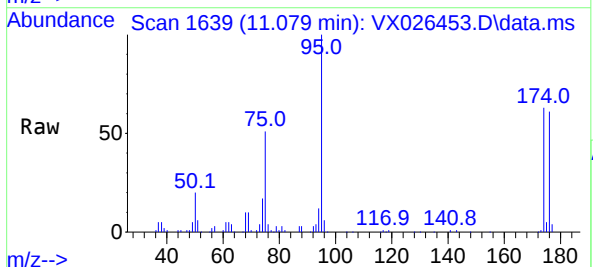
Acq: 14 Jan 2022 14:10

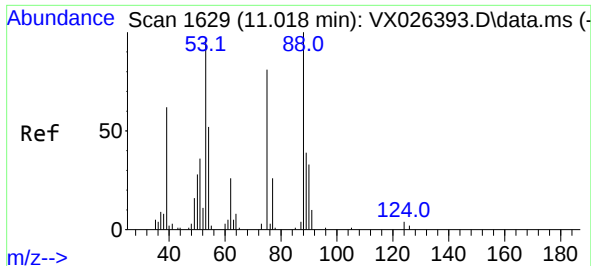
Tgt Ion: 75 Resp: 19703

Ion Ratio Lower Upper

75 100

77 0.9 0.0 76.2





#77

t-1,4-Dichloro-2-butene

Concen: 51.061 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX026453.D

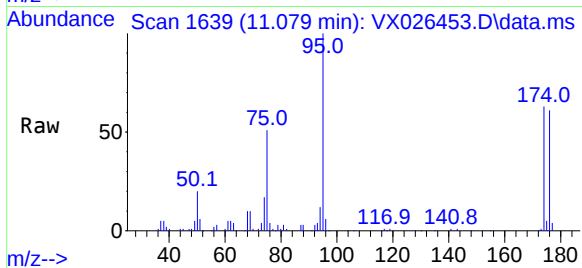
Acq: 14 Jan 2022 14:10

Instrument :

MSVOA_X

ClientSampleId :

6NEFF-0122



Tgt Ion: 75 Resp: 19703

Ion Ratio Lower Upper

75 100

53 0.0 59.0 176.8#

89 0.0 24.0 72.0#

