

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029978.D
 Acq On : 08 Jul 2022 17:15
 Operator : JC/MD
 Sample : N3646-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUL)

Quant Time: Jul 09 02:20:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

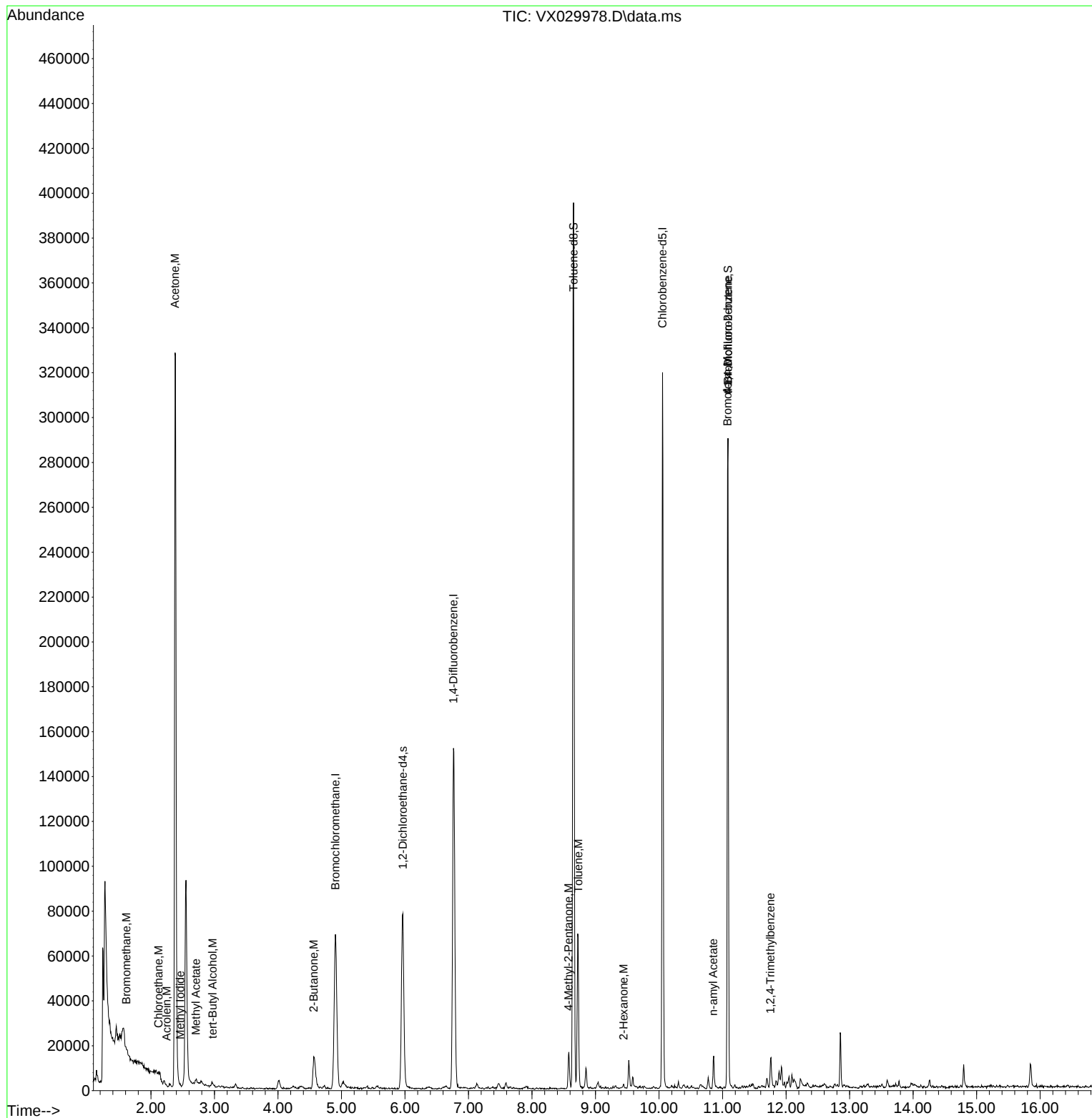
Internal Standards						
1) Bromochloromethane	4.904	128	29758	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	165852	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149647	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	69794	28.763	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	11.085	95	80621	28.587	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.300%
63) Toluene-d8	8.653	98	239299	29.490	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	220	0.222	ug/l #	58
6) Chloroethane	2.117	64	477	0.370	ug/l	96
11) Methyl Iodide	2.459	142	665	9.159	ug/l #	77
12) Methyl Acetate	2.709	43	2901	0.850	ug/l	97
13) Acrolein	2.245	56	222	0.554	ug/l	98
15) Acetone	2.380	58	120248	301.377	ug/l	83
23) tert-Butyl Alcohol	2.971	59	968	1.439	ug/l #	100
30) 2-Butanone	4.562	43	25849	13.498	ug/l	99
47) n-amyl Acetate	10.854	43	2380	0.506	ug/l #	1
56) Bromoform	11.079	173	687	0.455	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	10064	2.723	ug/l	99
59) 2-Hexanone	9.439	43	1159	0.405	ug/l	91
62) Toluene	8.726	91	46375	4.659	ug/l	96
77) t-1,4-Dichloro-2-butene	11.085	75	37598	32.491	ug/l #	3
80) 1,2,4-Trimethylbenzene	11.756	105	3678	0.414	ug/l	48

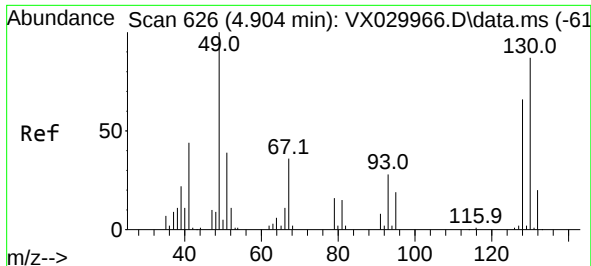
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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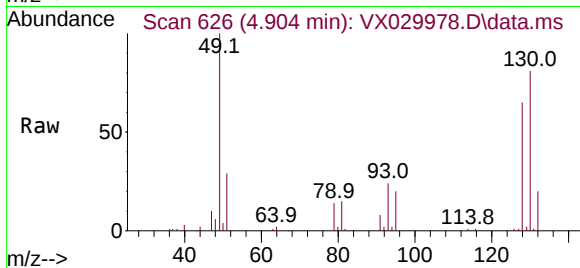
Quant Time: Jul 09 02:20:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 2022
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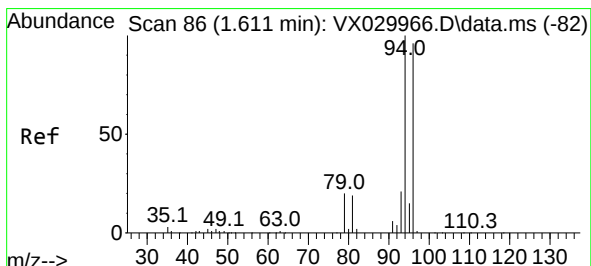
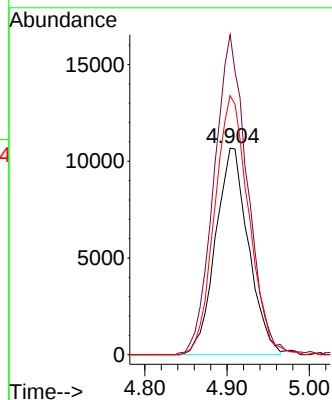
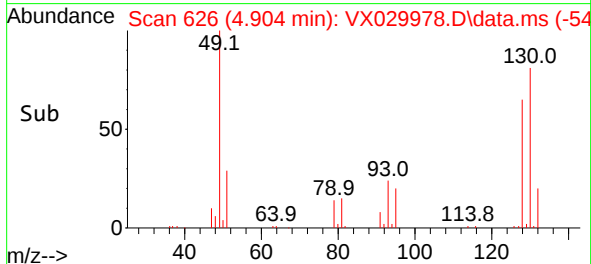


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Instrument :
MSVOA_X
ClientSampleId :
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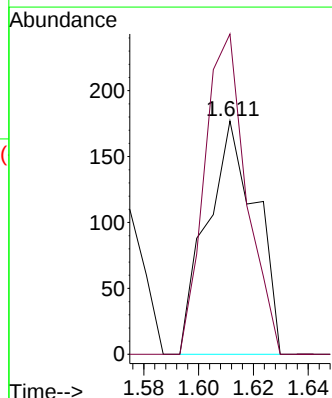
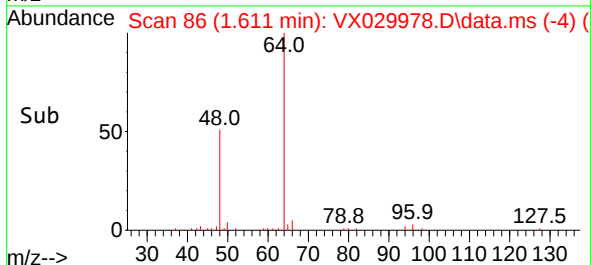
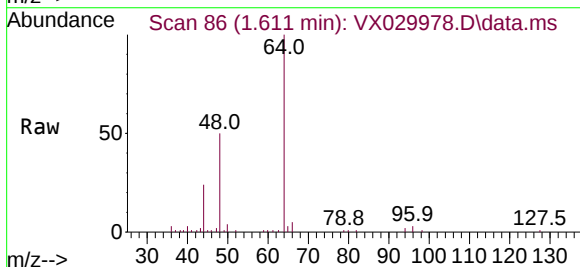


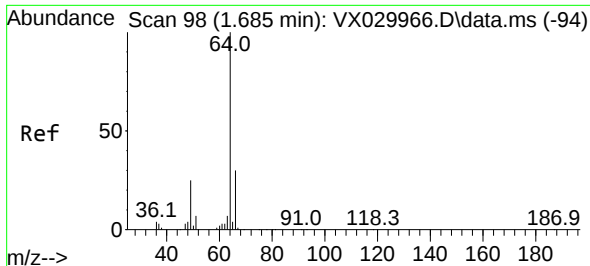
Tgt Ion:	128	Resp:	29758
Ion	Ratio	Lower	Upper
128	100		
49	157.4	0.0	358.3
130	130.2	0.0	319.3



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion:	94	Resp:	220
Ion	Ratio	Lower	Upper
94	100		
96	137.3	77.0	115.6#

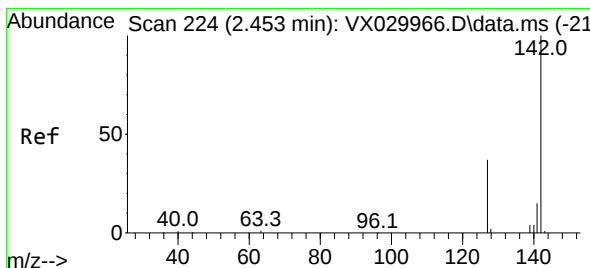
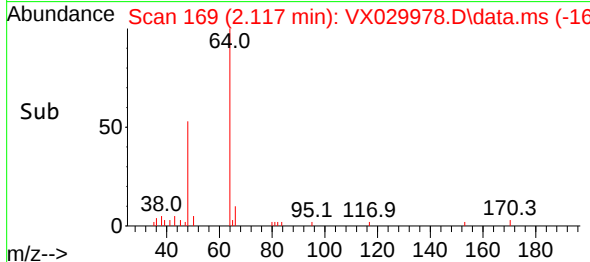
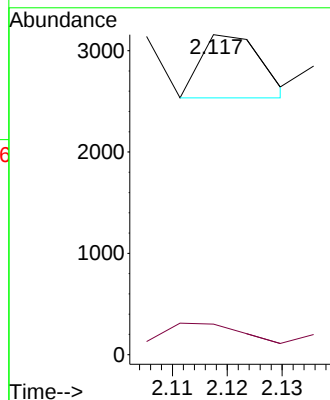
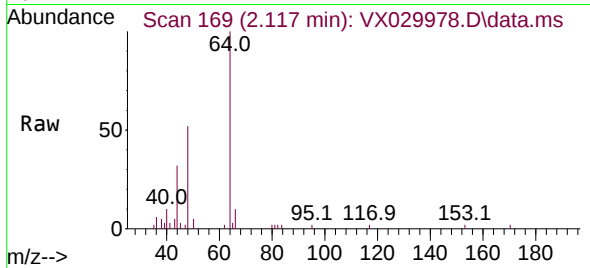




#6
Chloroethane
Concen: 0.370 ug/l
RT: 2.117 min Scan# 11
Delta R.T. 0.433 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

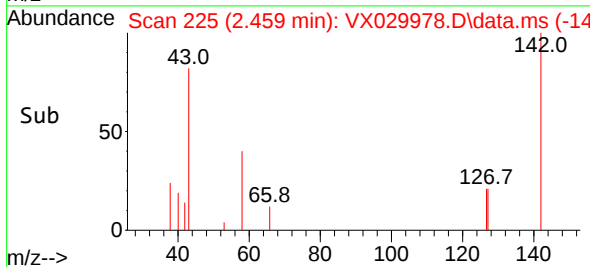
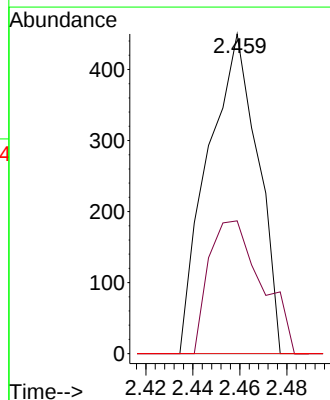
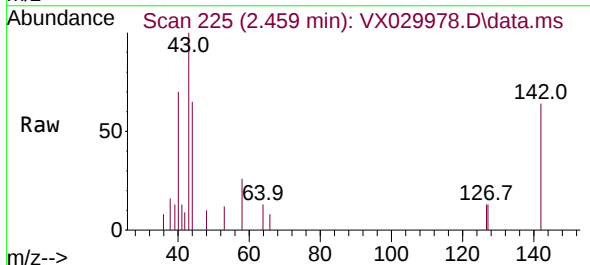
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUL)

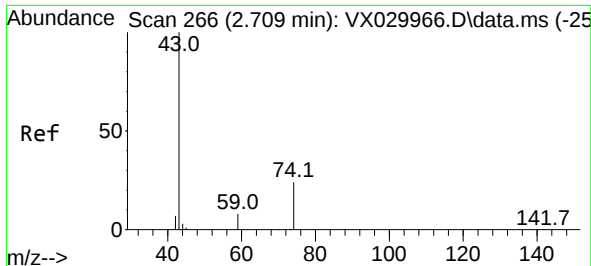
Tgt Ion: 64 Resp: 477
Ion Ratio Lower Upper
64 100
66 30.7 26.4 39.6



#11
Methyl Iodide
Concen: 9.159 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 142 Resp: 665
Ion Ratio Lower Upper
142 100
127 31.9 22.3 66.9
141 0.0 7.0 20.9#

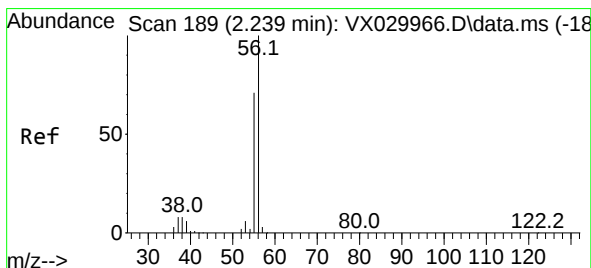
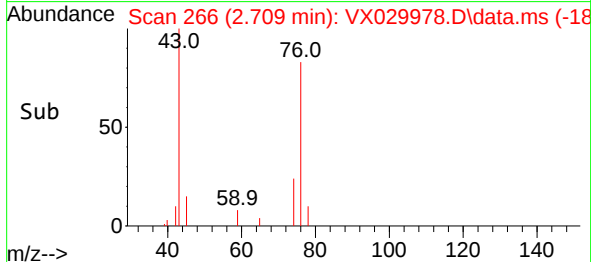
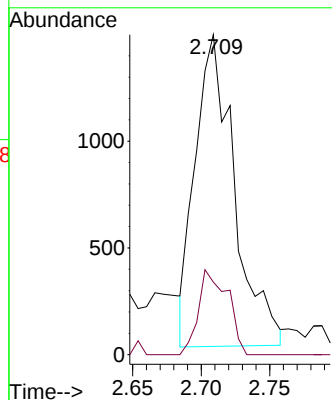
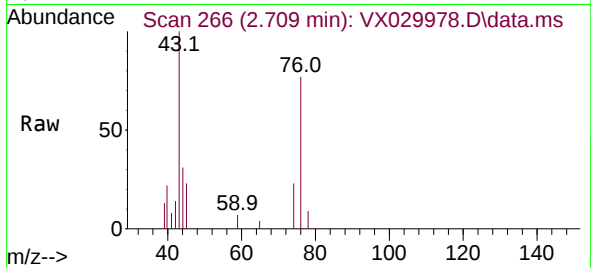




#12
Methyl Acetate
Concen: 0.850 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

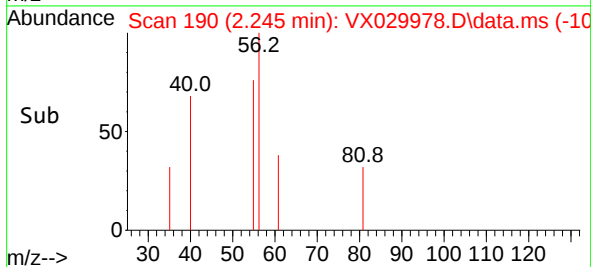
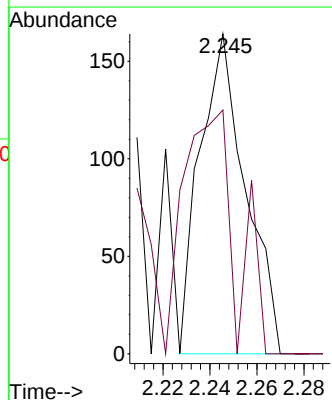
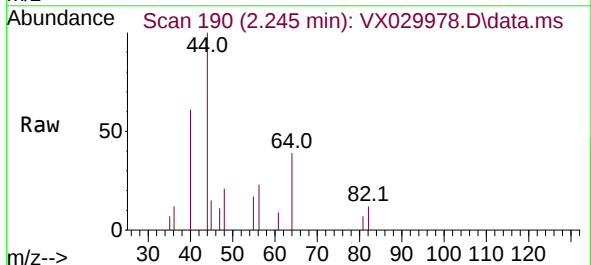
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUL)

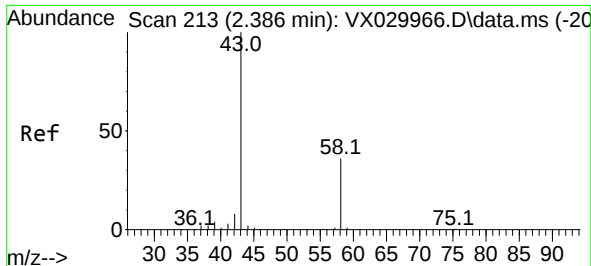
Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
74 26.1 22.1 33.1



#13
Acrolein
Concen: 0.554 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 72.1 56.4 84.6

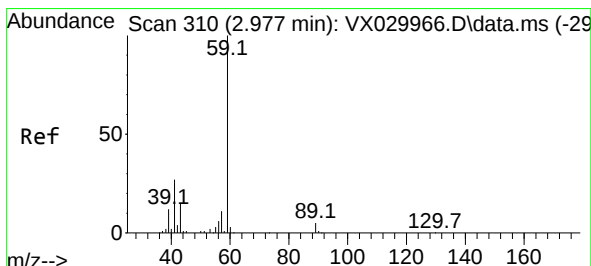
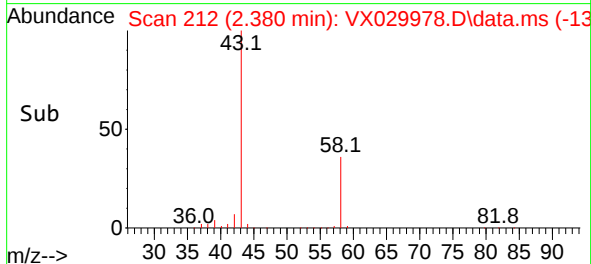
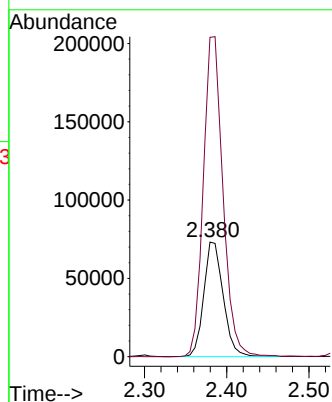
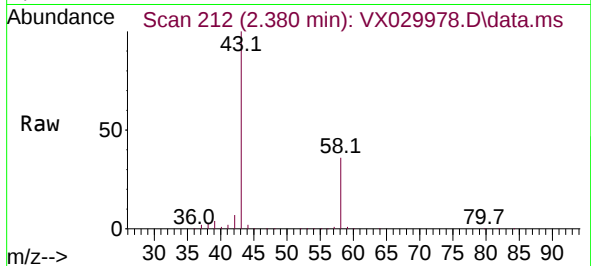




#15
Acetone
Concen: 301.377 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

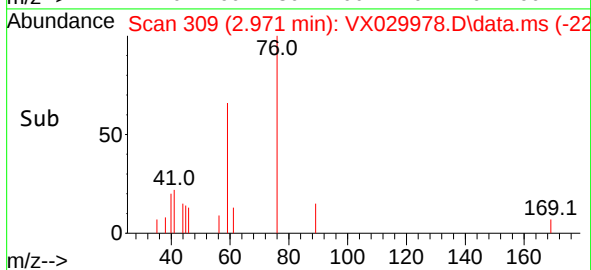
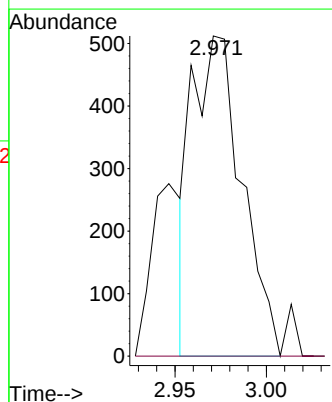
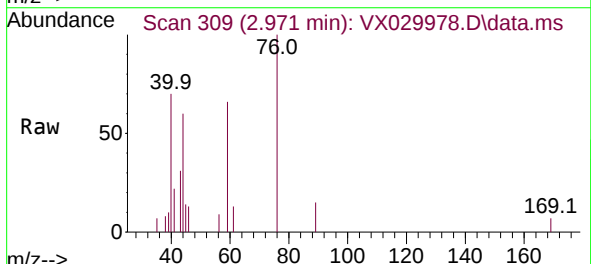
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUL)

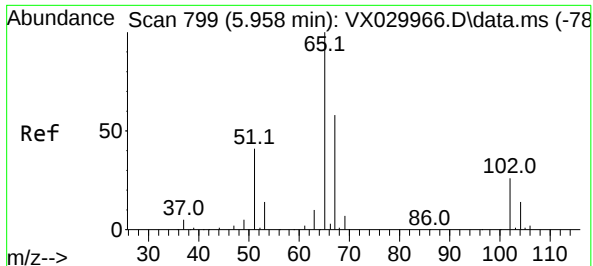
Tgt Ion: 58 Resp: 120248
Ion Ratio Lower Upper
58 100
43 279.0 250.2 375.2



#23
tert-Butyl Alcohol
Concen: 1.439 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 59 Resp: 968
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

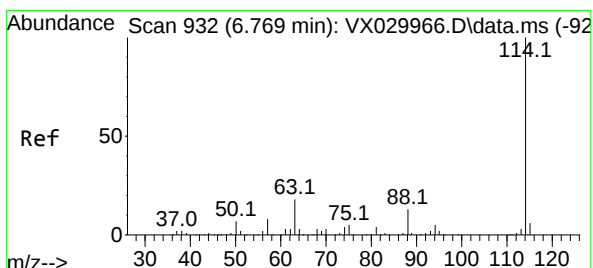
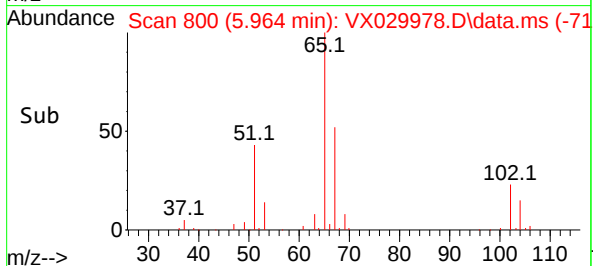
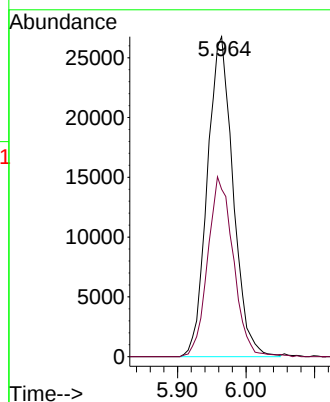
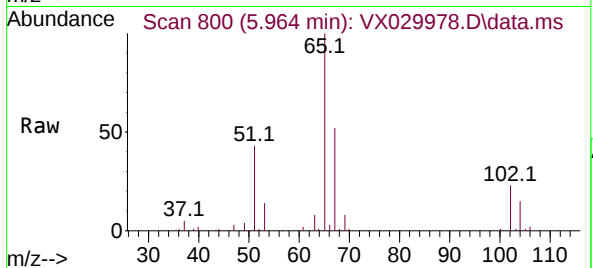




#27
 1,2-Dichloroethane-d4
 Concen: 28.763 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX029978.D
 Acq: 08 Jul 2022 17:15

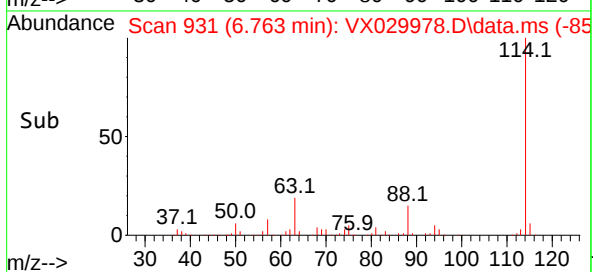
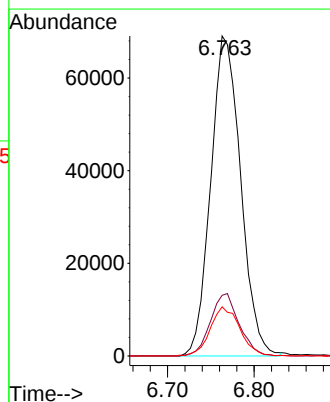
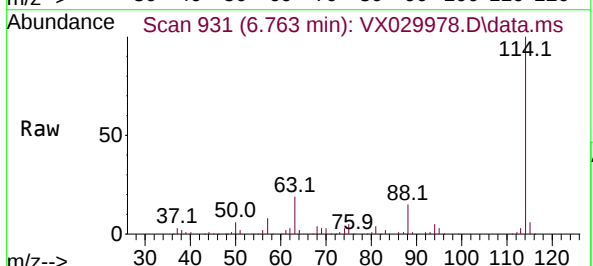
Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUL)

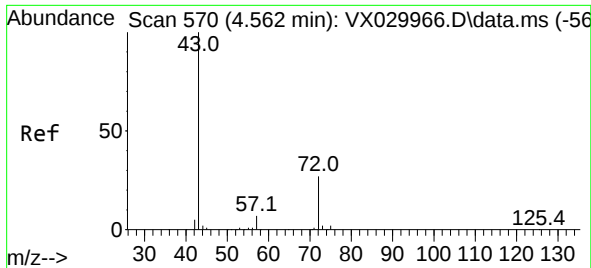
Tgt Ion: 65 Resp: 69794
 Ion Ratio Lower Upper
 65 100
 67 55.8 42.3 63.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX029978.D
 Acq: 08 Jul 2022 17:15

Tgt Ion: 114 Resp: 165852
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.3 22.9
 88 15.1 12.2 18.4

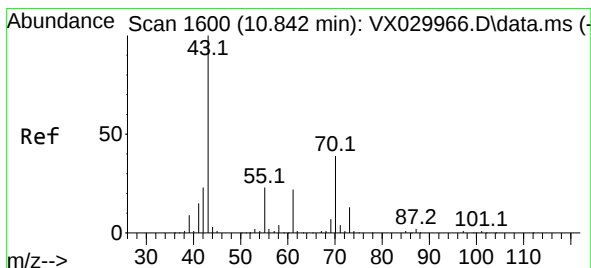
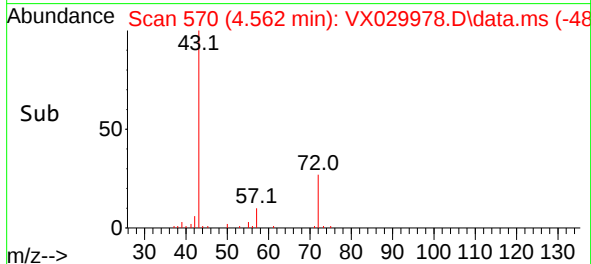
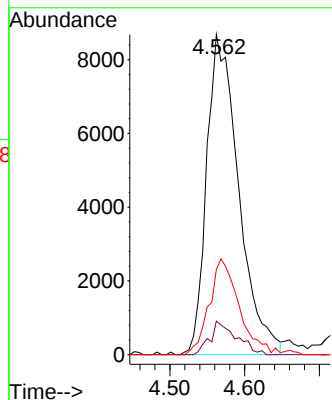
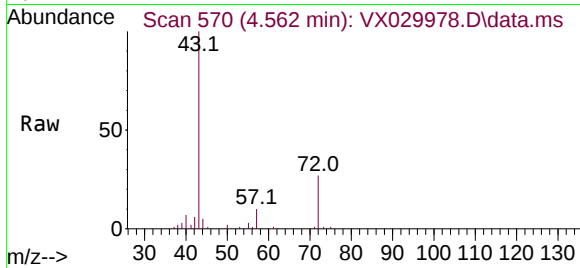




#30
2-Butanone
Concen: 13.498 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

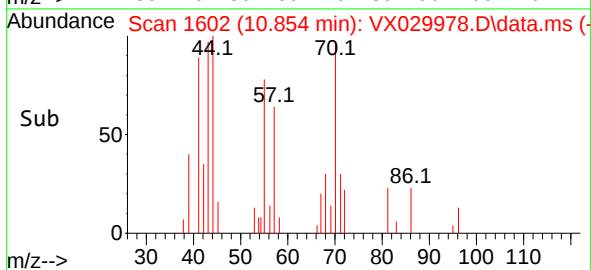
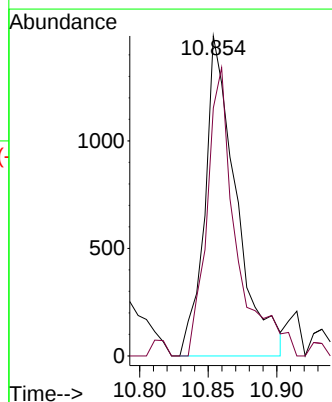
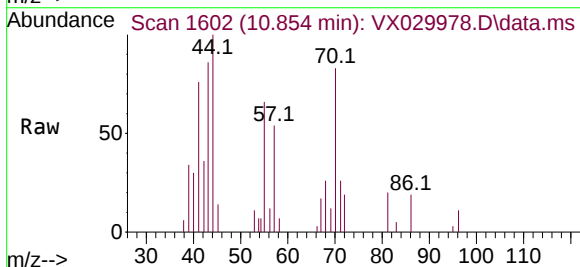
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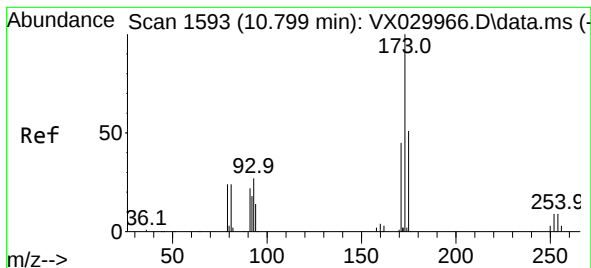
Tgt Ion: 43 Resp: 25849
Ion Ratio Lower Upper
43 100
57 6.9 6.6 10.0
72 27.7 22.1 33.1



#47
n-amy1 Acetate
Concen: 0.506 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
55 83.6 20.4 30.6#





#56

Bromoform

Concen: 0.455 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX029978.D

Acq: 08 Jul 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUL)

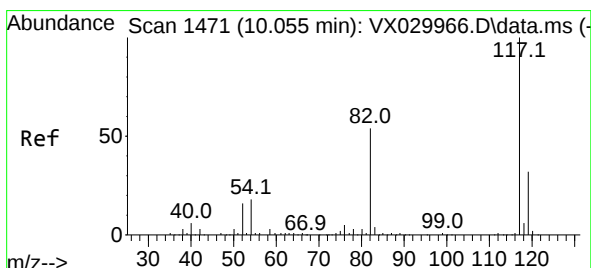
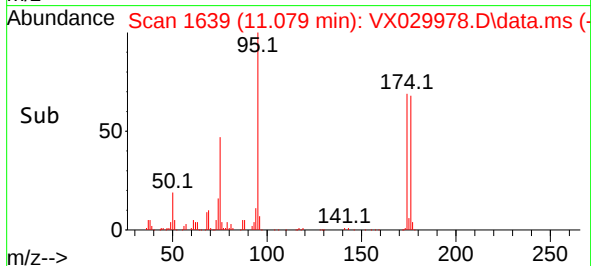
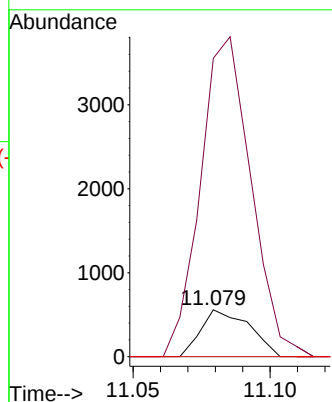
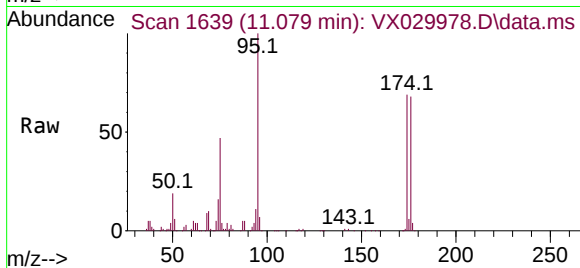
Tgt Ion:173 Resp: 687

Ion Ratio Lower Upper

173 100

175 712.7 40.3 60.5#

254 0.0 7.4 11.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX029978.D

Acq: 08 Jul 2022 17:15

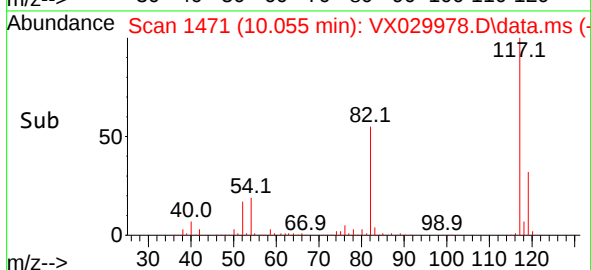
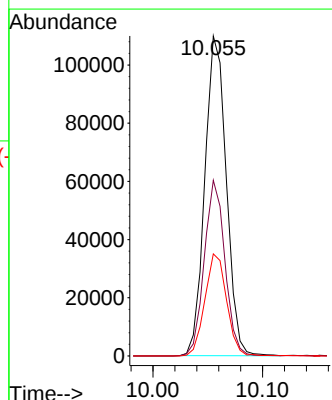
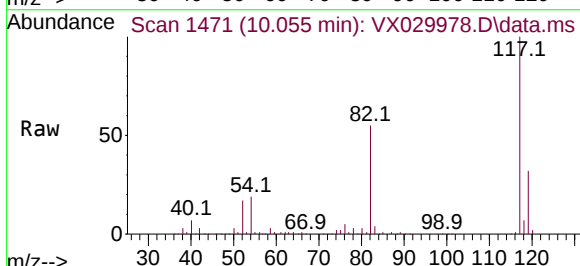
Tgt Ion:117 Resp: 149647

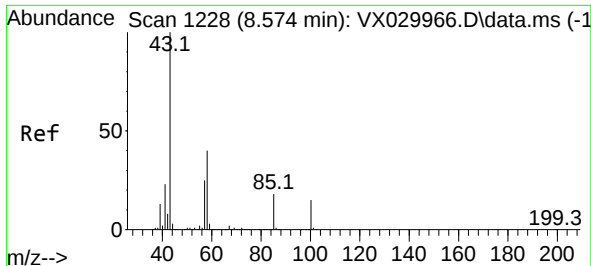
Ion Ratio Lower Upper

117 100

82 52.8 42.3 63.5

119 32.1 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 2.723 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029978.D

Acq: 08 Jul 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUL)

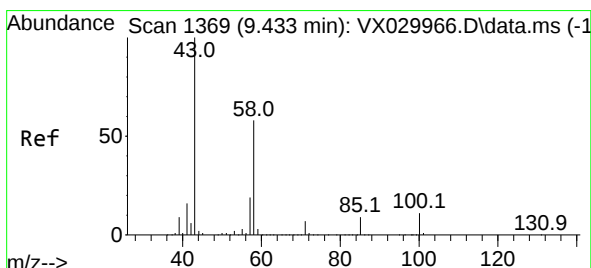
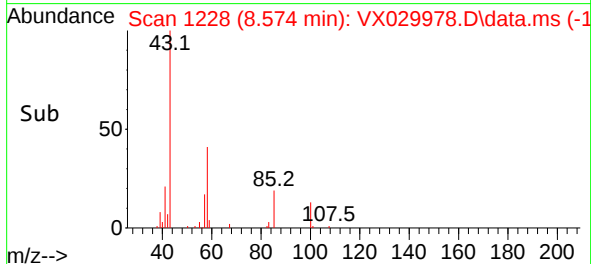
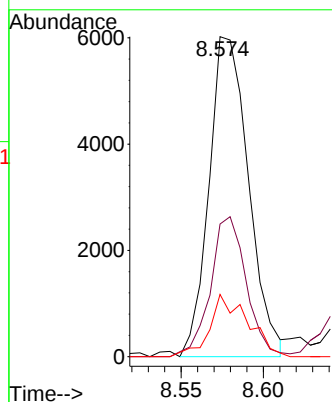
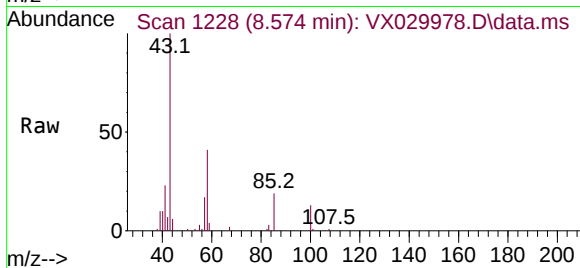
Tgt Ion: 43 Resp: 10064

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6

85 18.8 15.8 23.6



#59

2-Hexanone

Concen: 0.405 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX029978.D

Acq: 08 Jul 2022 17:15

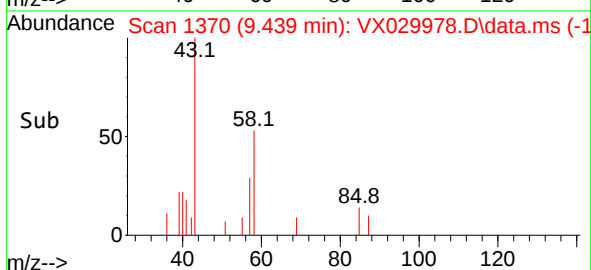
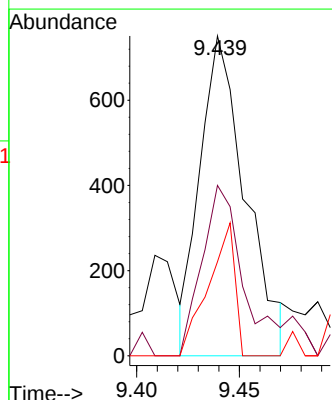
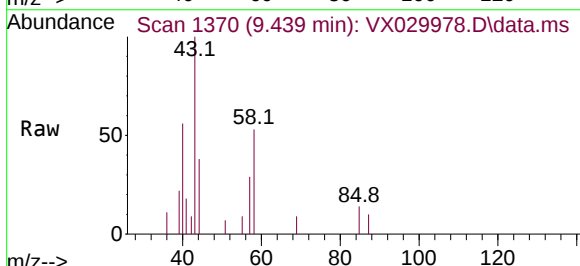
Tgt Ion: 43 Resp: 1159

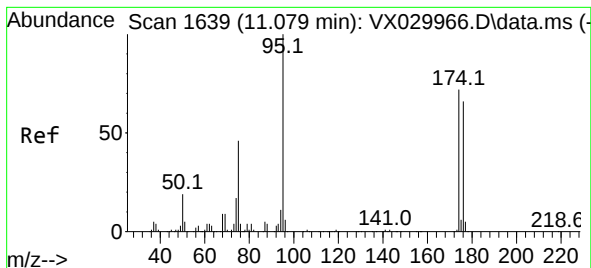
Ion Ratio Lower Upper

43 100

58 48.2 44.1 66.1

57 24.0 16.2 24.2

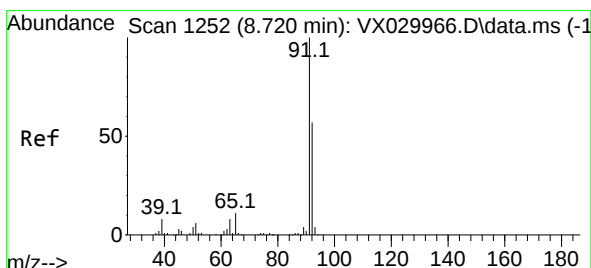
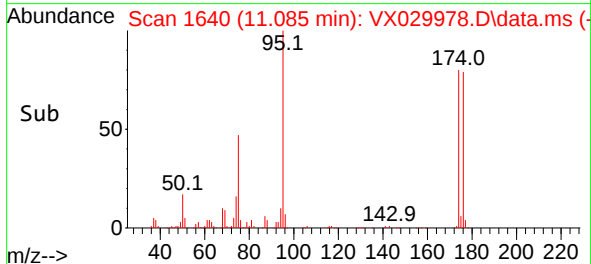
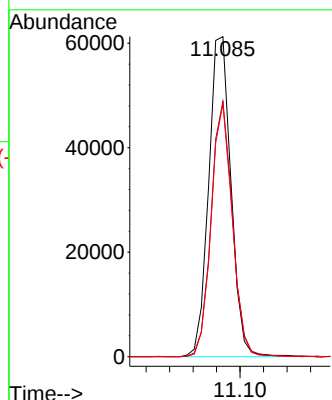
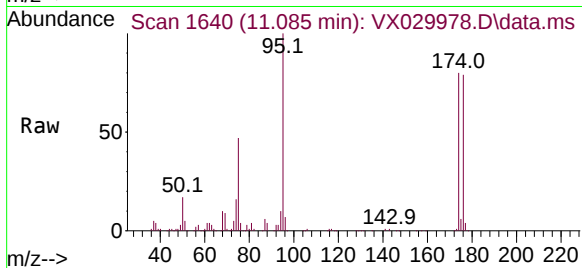




#60
4-Bromofluorobenzene
Concen: 28.587 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

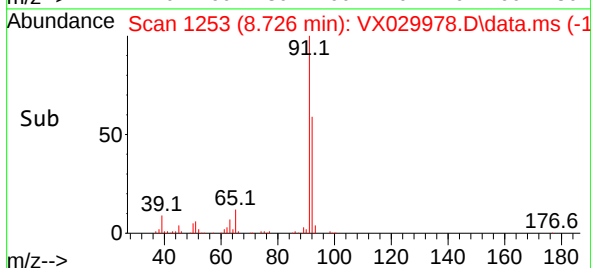
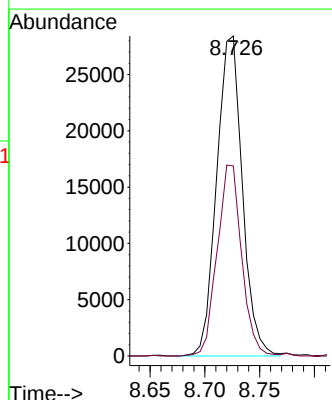
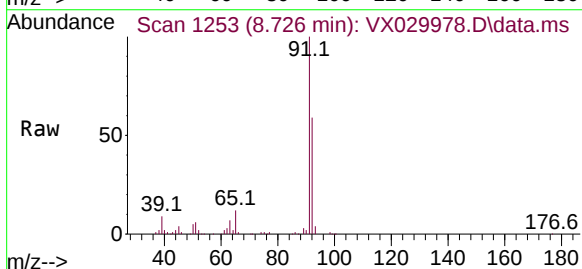
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUL)

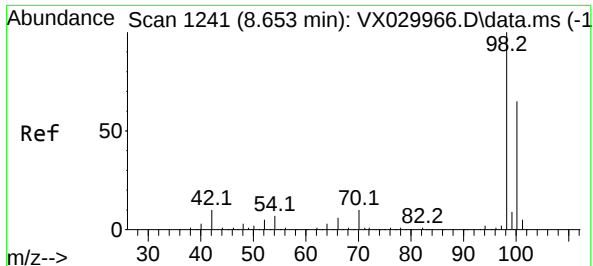
Tgt Ion: 95 Resp: 80621
Ion Ratio Lower Upper
95 100
174 76.5 65.4 98.2
176 74.4 63.4 95.0



#62
Toluene
Concen: 4.659 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 91 Resp: 46375
Ion Ratio Lower Upper
91 100
92 57.0 48.1 72.1

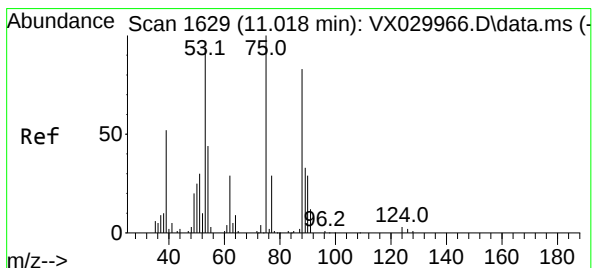
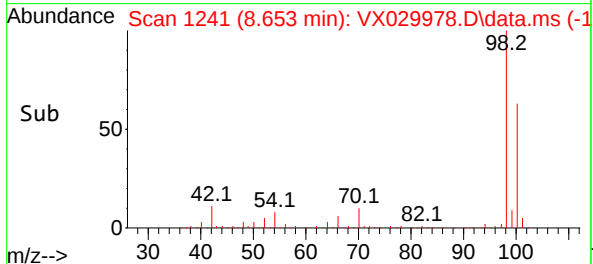
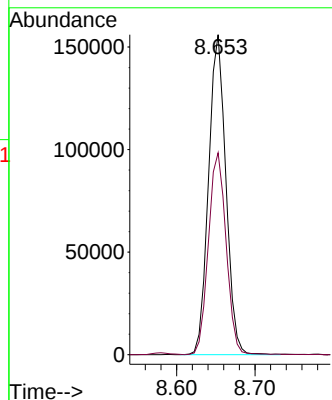
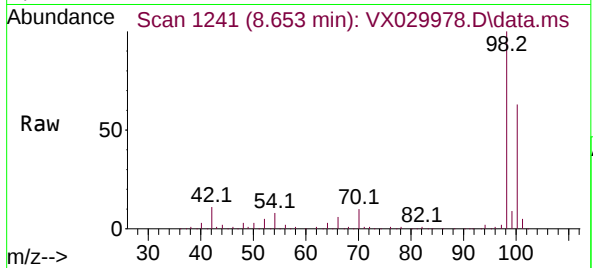




#63
Toluene-d8
Concen: 29.490 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

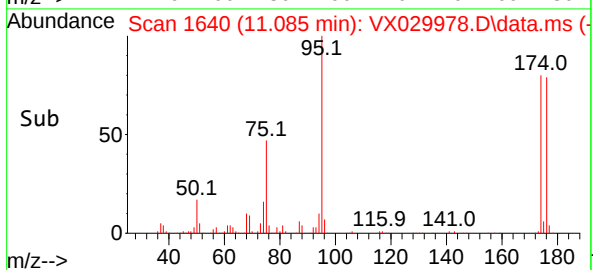
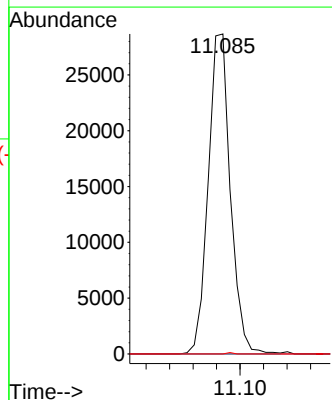
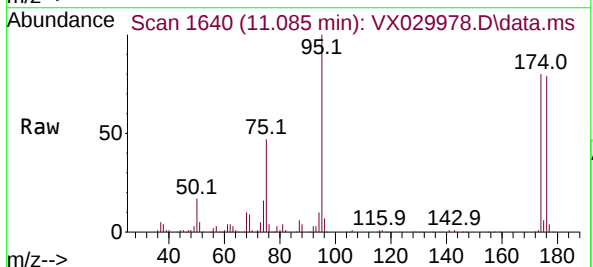
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUL)

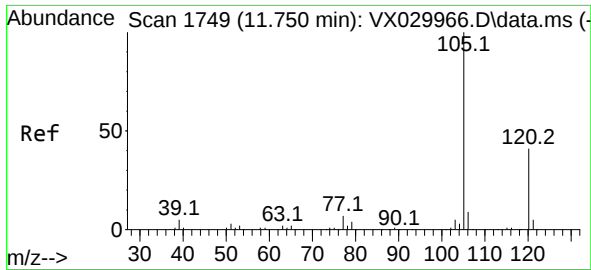
Tgt Ion: 98 Resp: 239299
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 32.491 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029978.D
Acq: 08 Jul 2022 17:15

Tgt Ion: 75 Resp: 37598
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#





#80
 1,2,4-Trimethylbenzene
 Concen: 0.414 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX029978.D
 Acq: 08 Jul 2022 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUL)

Tgt Ion:105 Resp: 3678
 Ion Ratio Lower Upper
 105 100
 120 11.0 0.0 89.6

