

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026407.D
 Acq On : 10 Jan 2022 17:03
 Operator : JC/MD
 Sample : N1046-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

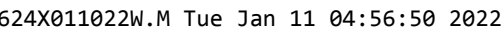
Quant Time: Jan 11 04:56:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

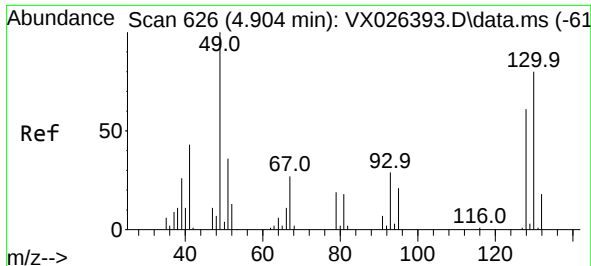
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	20145	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	113287	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	97396	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	49884	30.795	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.633%
60) 4-Bromofluorobenzene	11.079	95	46861	28.830	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.653	98	133049	29.736	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	929	0.876	ug/l #	44
6) Chloroethane	1.319	64	77066	115.894	ug/l #	51
11) Methyl Iodide	2.459	142	259	0.220	ug/l #	82
15) Acetone	2.386	58	98589	495.998	ug/l	99
16) Carbon Disulfide	2.520	76	3326	1.088	ug/l #	93
18) Methylene Chloride	2.800	84	257	0.215	ug/l #	68
23) tert-Butyl Alcohol	2.971	59	364	1.586	ug/l #	100
30) 2-Butanone	4.568	43	8531	8.396	ug/l #	87
44) Isopropyl Acetate	6.647	43	1063	0.349	ug/l #	1
50) 1,1,2-Trichloroethane	9.019	97	284	0.237	ug/l #	17
56) Bromoform	11.085	173	398	0.460	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	7009	3.858	ug/l	98
59) 2-Hexanone	9.439	43	325	0.231	ug/l #	56
62) Toluene	8.720	91	23593	4.537	ug/l	96
72) 1,2,3-Trichloropropane	11.079	75	24150	15.536	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	24150	51.655	ug/l #	3

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

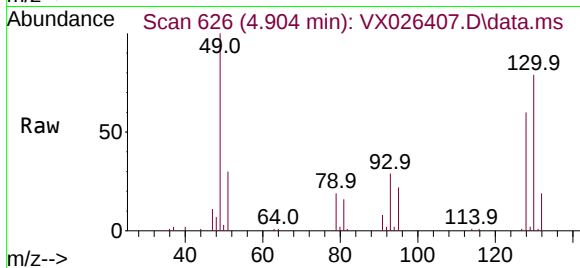
Quant Time: Jan 11 04:56:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration



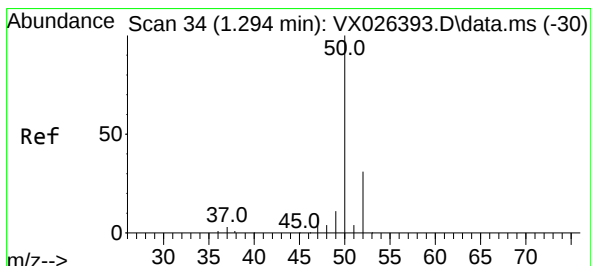
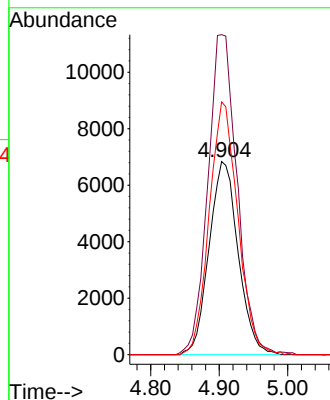
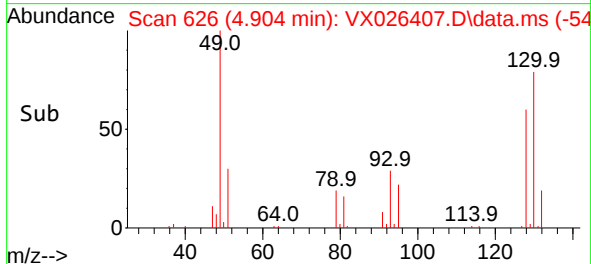


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

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

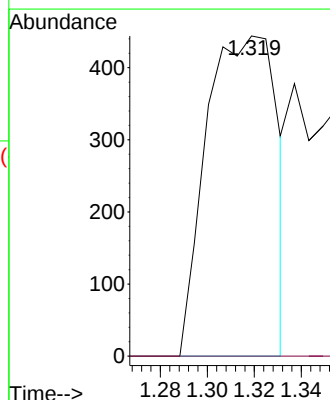
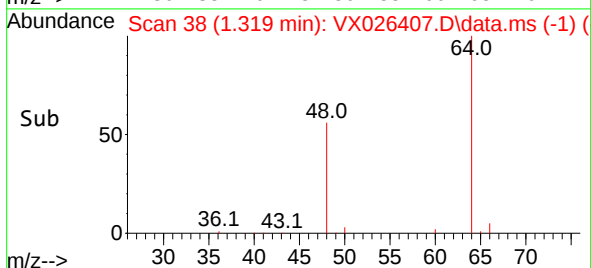
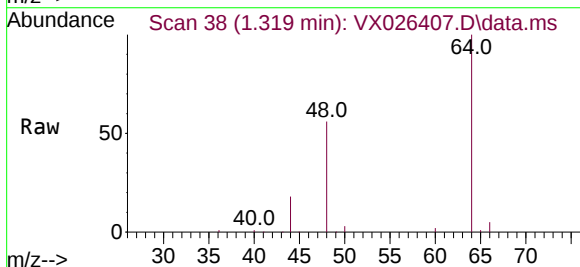


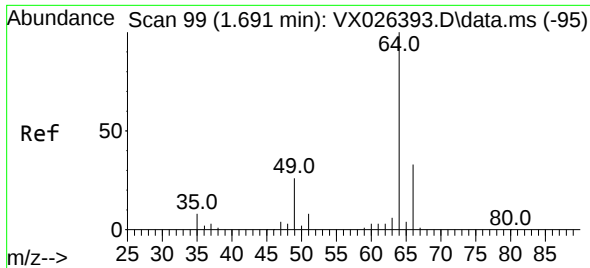
Tgt Ion:128 Resp: 20145
Ion Ratio Lower Upper
128 100
49 166.2 0.0 413.5
130 128.8 0.0 326.0



#3
Chloromethane
Concen: 0.876 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.024 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

Tgt Ion: 50 Resp: 929
Ion Ratio Lower Upper
50 100
52 0.0 24.8 37.2#

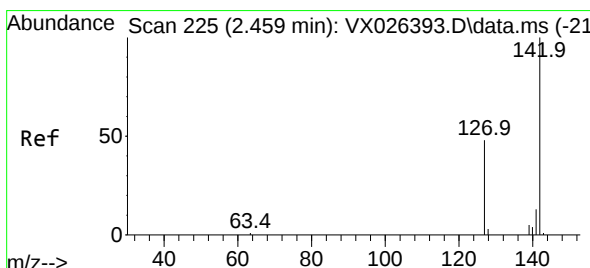
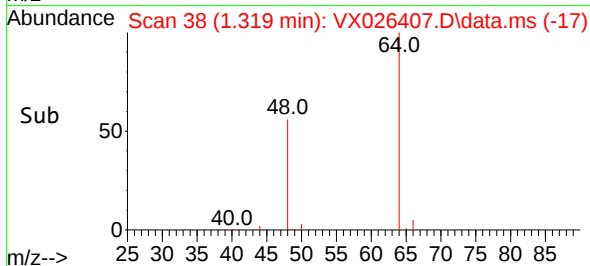
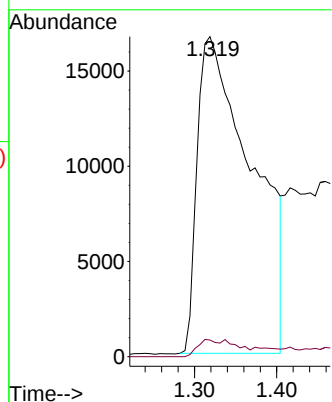
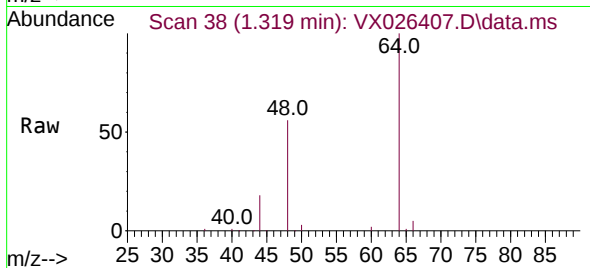




#6
Chloroethane
Concen: 115.894 ug/l
RT: 1.319 min Scan# 31
Delta R.T. -0.372 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

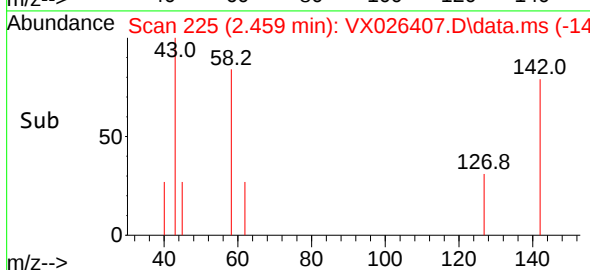
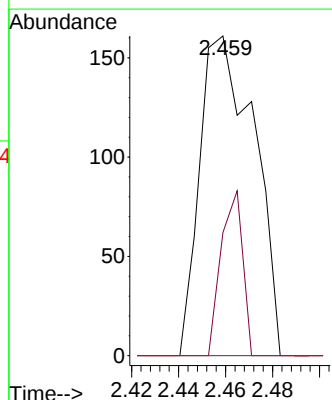
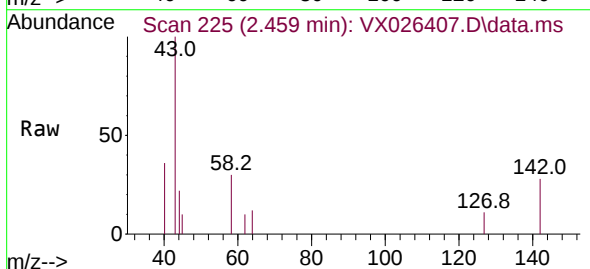
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

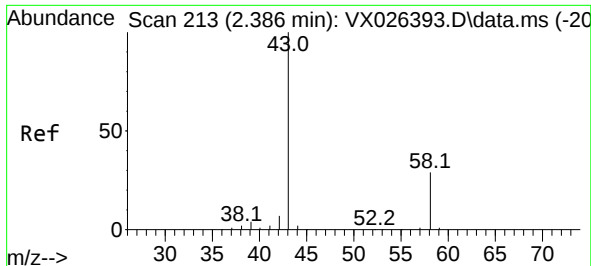
Tgt Ion: 64 Resp: 77066
Ion Ratio Lower Upper
64 100
66 5.3 26.6 39.8#



#11
Methyl Iodide
Concen: 0.220 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

Tgt Ion: 142 Resp: 259
Ion Ratio Lower Upper
142 100
127 38.5 23.9 71.7
141 0.0 6.7 20.1#





#15

Acetone

Concen: 495.998 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

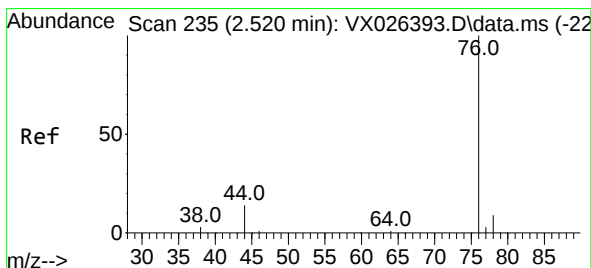
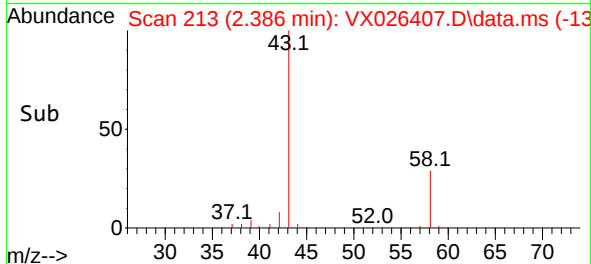
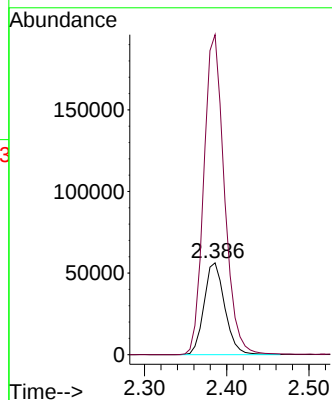
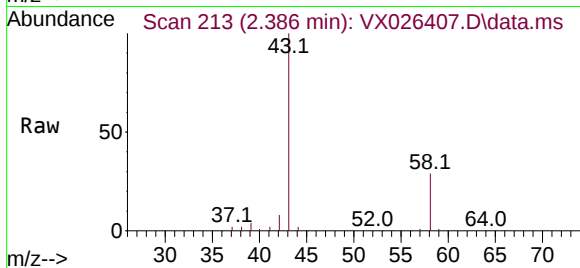
002-35TH-AVE(JAN)

Tgt Ion: 58 Resp: 98589

Ion Ratio Lower Upper

58 100

43 348.6 276.3 414.5



#16

Carbon Disulfide

Concen: 1.088 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.000 min

Lab File: VX026407.D

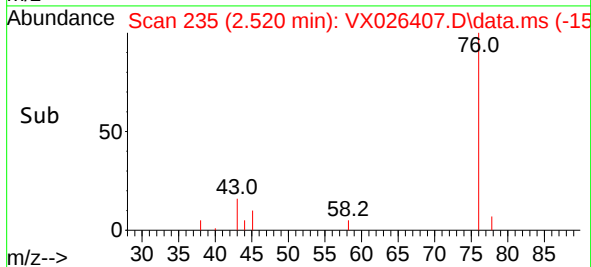
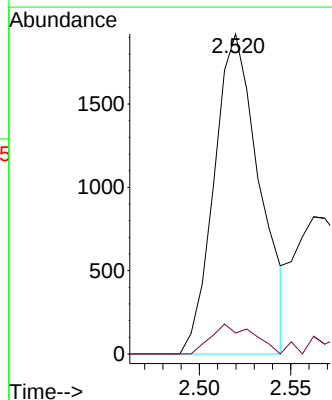
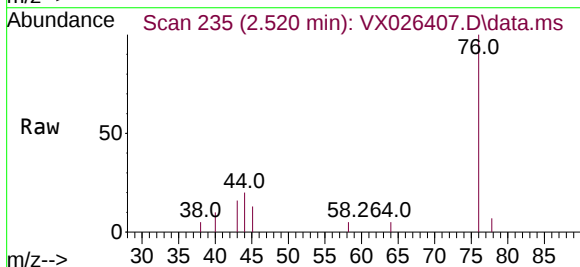
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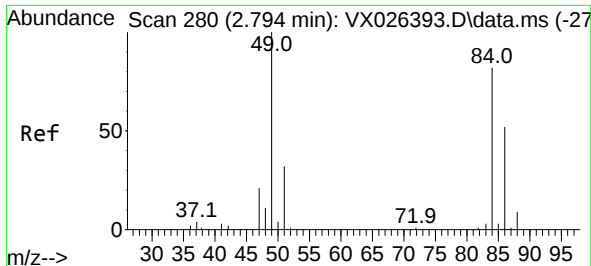
Tgt Ion: 76 Resp: 3326

Ion Ratio Lower Upper

76 100

78 6.6 7.3 10.9#

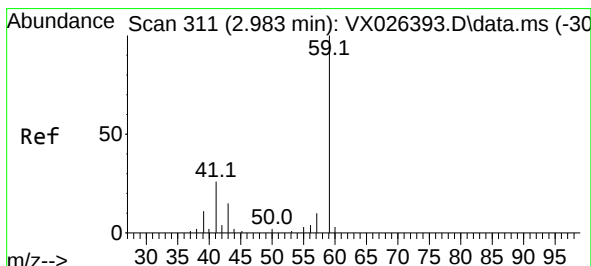
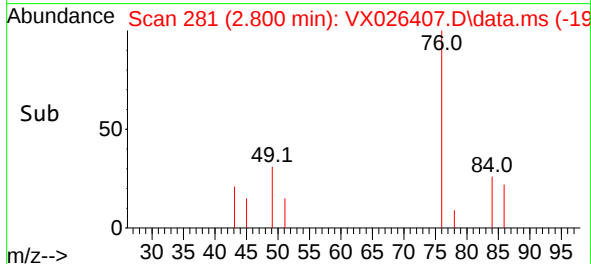
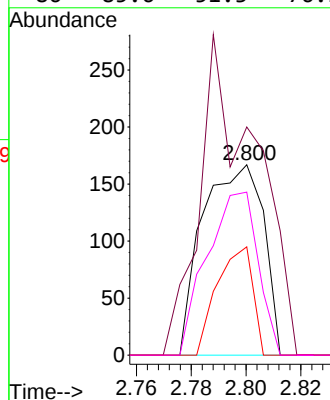
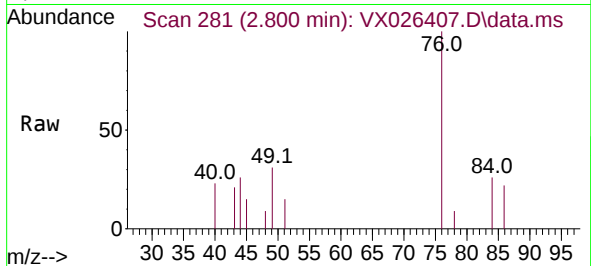




#18
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

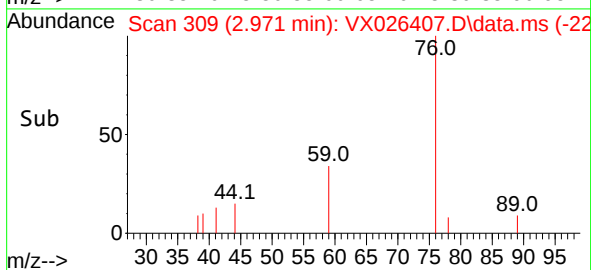
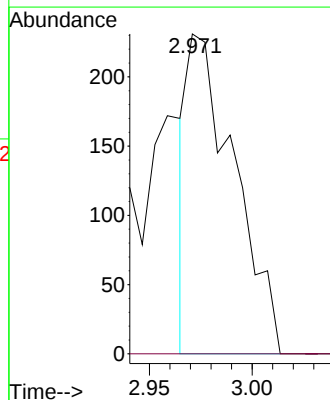
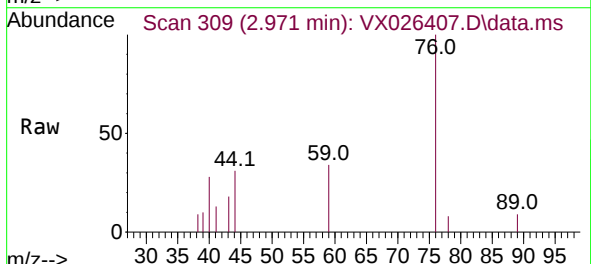
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

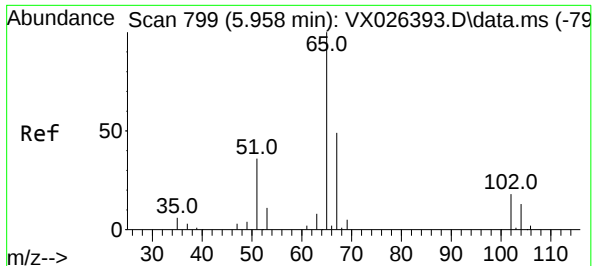
Tgt Ion: 84	Resp:	257
Ion	Ratio	Lower Upper
84	100	
49	82.6	97.8 146.8#
51	56.9	31.1 46.7#
86	85.6	51.3 76.9#



#23
tert-Butyl Alcohol
Concen: 1.586 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

Tgt Ion: 59	Resp:	364
Ion	Ratio	Lower Upper
59	100	
52	0.0	0.0 0.0

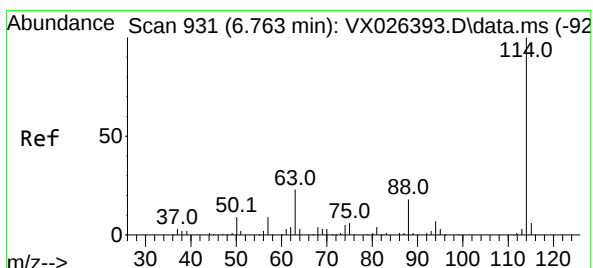
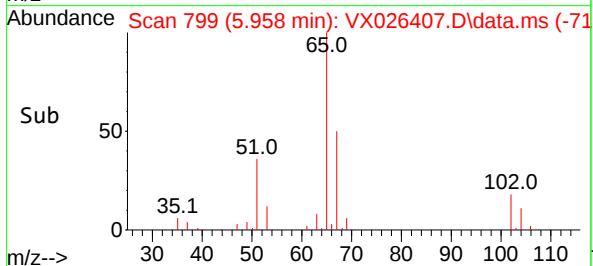
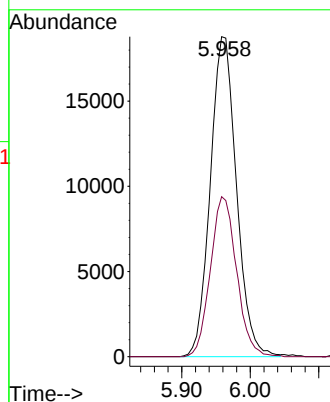
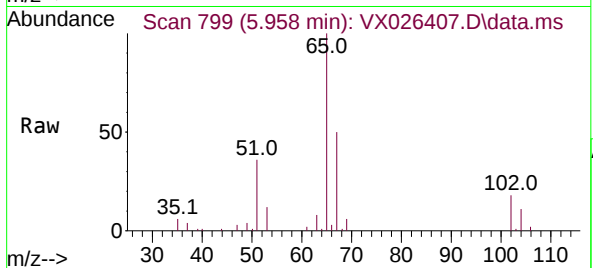




#27
 1,2-Dichloroethane-d4
 Concen: 30.795 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026407.D
 Acq: 10 Jan 2022 17:03

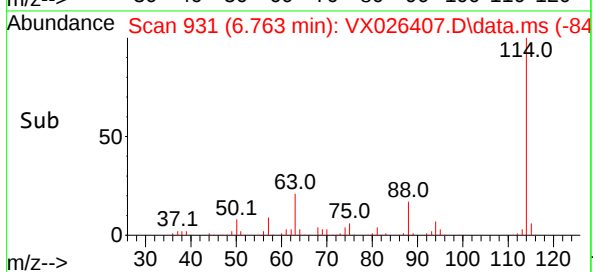
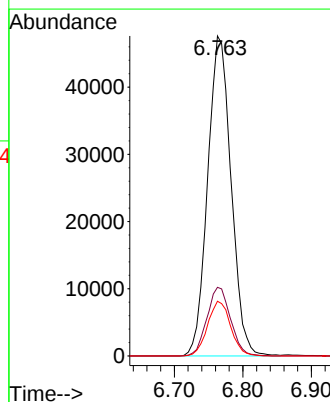
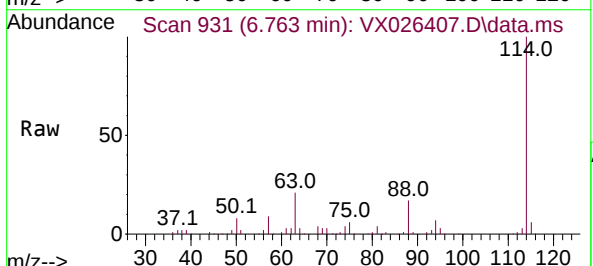
Instrument :
 MSVOA_X
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 002-35TH-AVE(JAN)

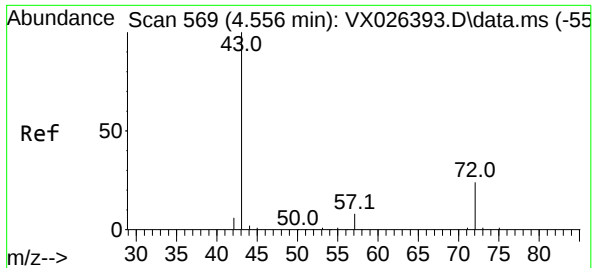
Tgt Ion: 65 Resp: 49884
 Ion Ratio Lower Upper
 65 100
 67 49.9 39.6 59.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX026407.D
 Acq: 10 Jan 2022 17:03

Tgt Ion: 114 Resp: 113287
 Ion Ratio Lower Upper
 114 100
 63 21.6 17.4 26.2
 88 16.8 13.5 20.3





#30

2-Butanone

Concen: 8.396 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

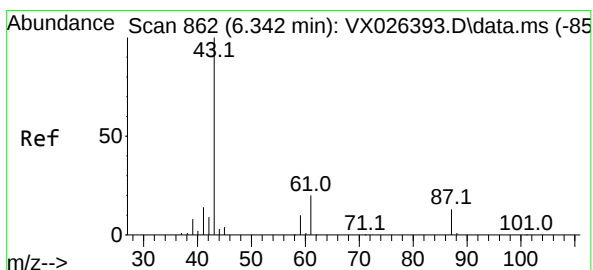
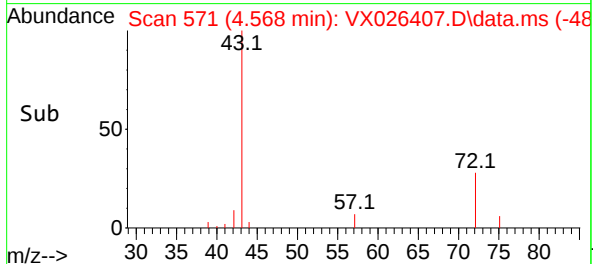
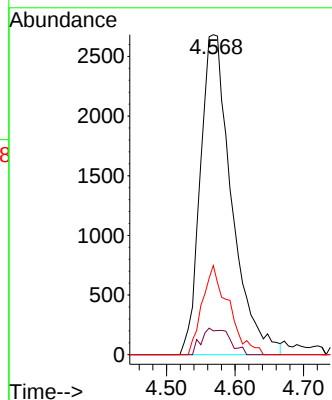
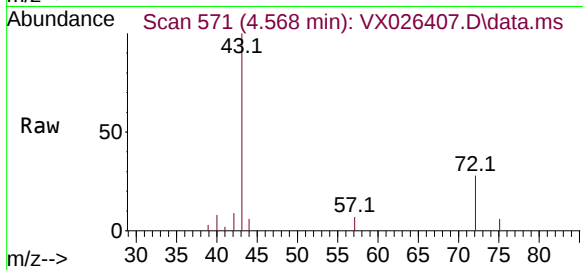
Tgt Ion: 43 Resp: 8531

Ion Ratio Lower Upper

43 100

57 3.5 6.3 9.5#

72 18.0 19.8 29.6#



#44

Isopropyl Acetate

Concen: 0.349 ug/l

RT: 6.647 min Scan# 912

Delta R.T. 0.305 min

Lab File: VX026407.D

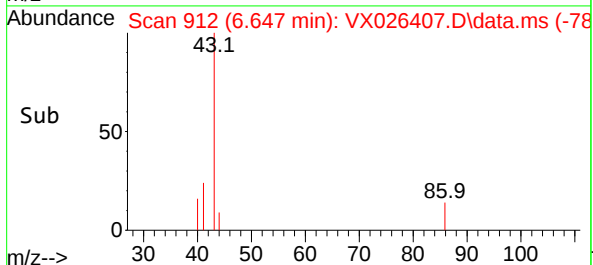
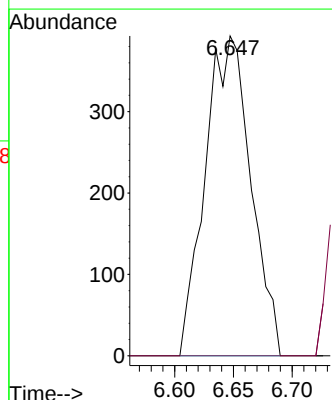
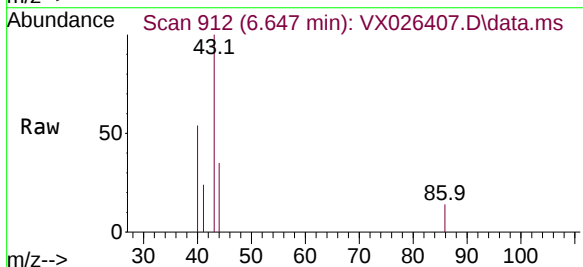
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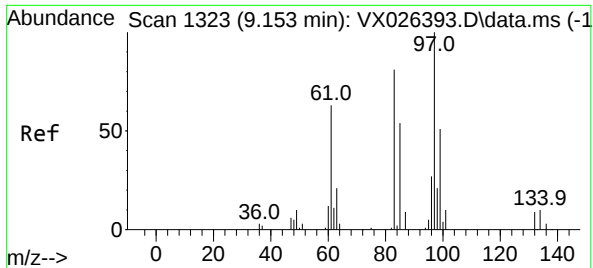
Tgt Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

61 338.9 15.4 23.2#

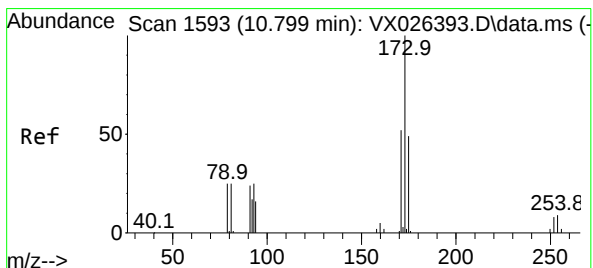
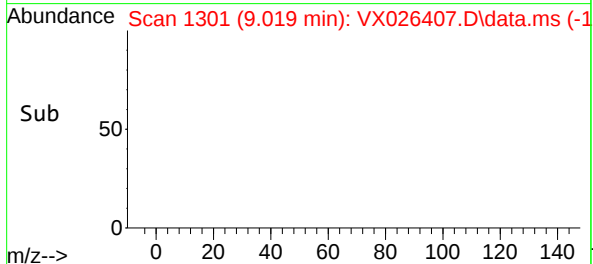
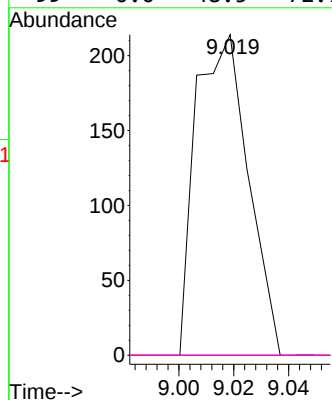
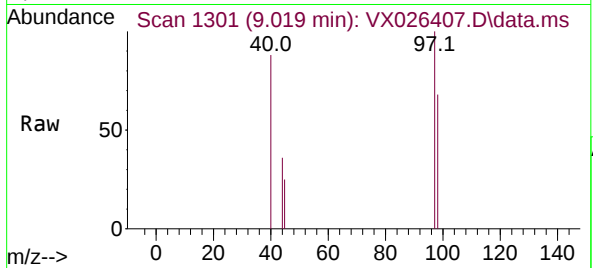




#50
1,1,2-Trichloroethane
Concen: 0.237 ug/l
RT: 9.019 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

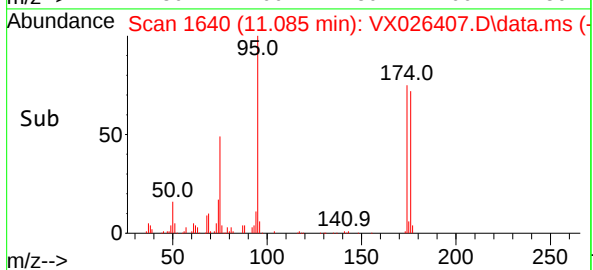
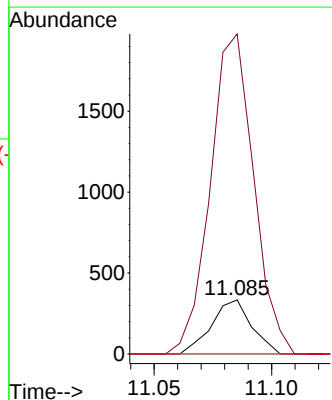
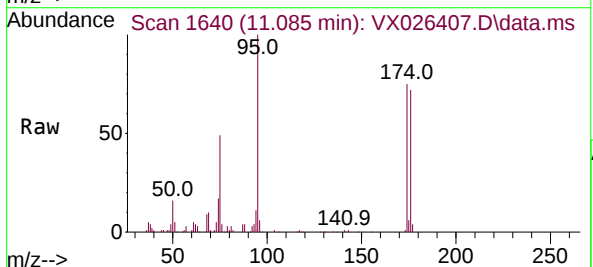
Instrument :
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002-35TH-AVE(JAN)

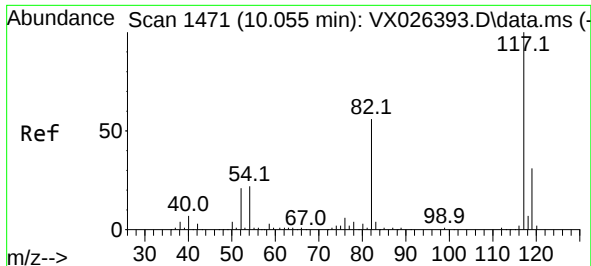
Tgt Ion: 97	Resp:	284	
Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.6	96.8#
85	0.0	44.1	66.1#
99	0.0	48.5	72.7#



#56
Bromoform
Concen: 0.460 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

Tgt Ion:173	Resp:	398	
Ion	Ratio	Lower	Upper
173	100		
175	637.2	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: VX026407.D

Acq: 10 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

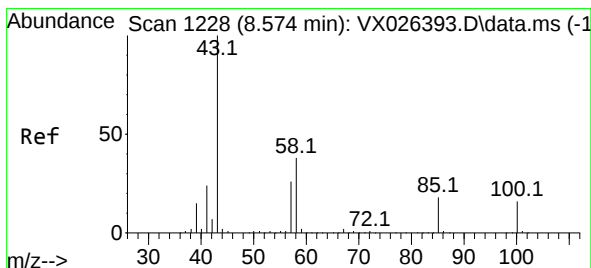
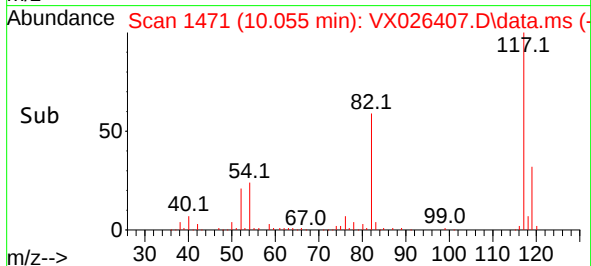
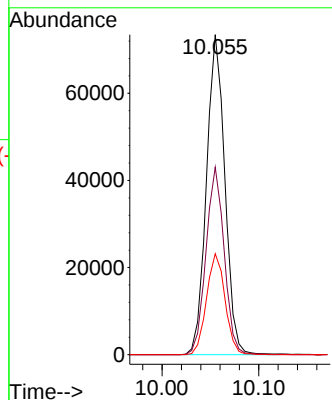
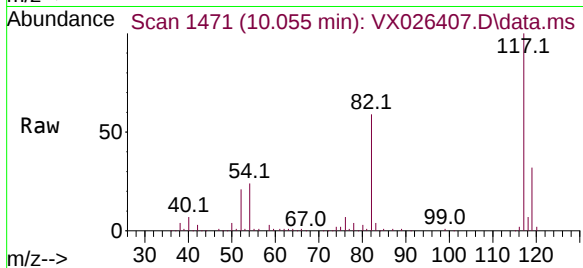
Tgt Ion:117 Resp: 97396

Ion Ratio Lower Upper

117 100

82 58.1 46.2 69.4

119 31.8 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 3.858 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

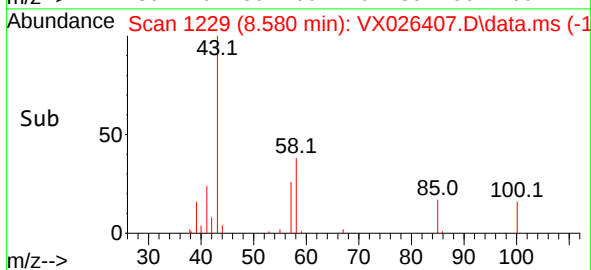
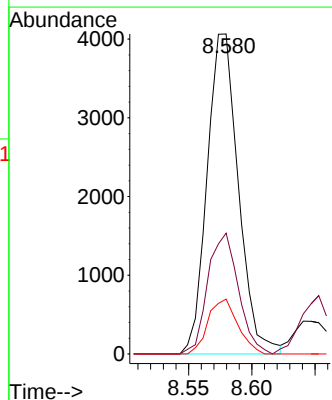
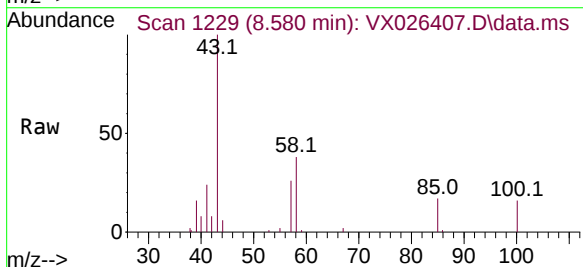
Tgt Ion: 43 Resp: 7009

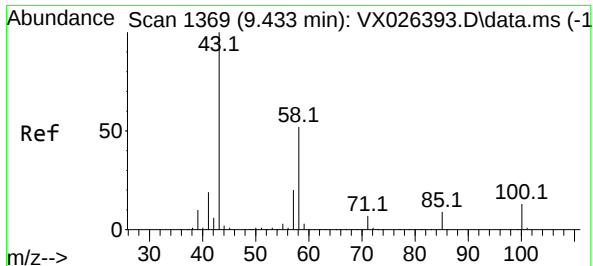
Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.4

85 16.3 14.1 21.1





#59

2-Hexanone

Concen: 0.231 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

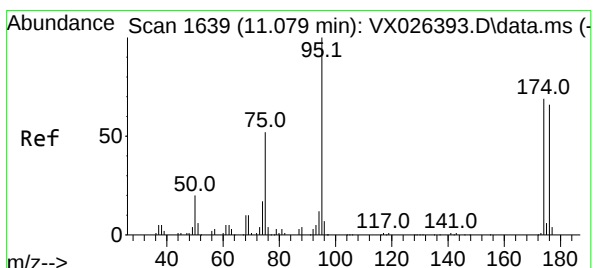
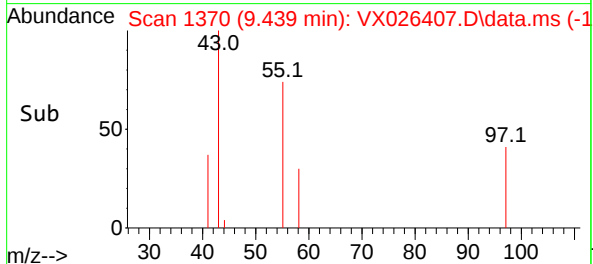
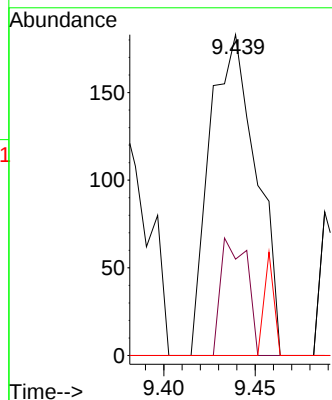
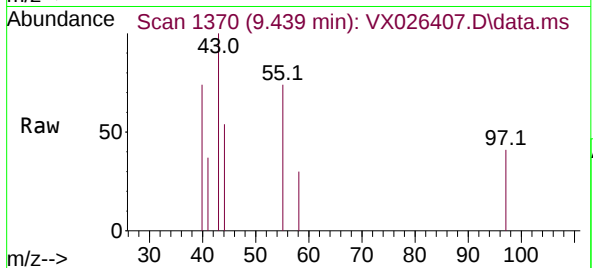
Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

58 20.6 42.0 63.0#

57 0.0 15.2 22.8#



#60

4-Bromofluorobenzene

Concen: 28.830 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

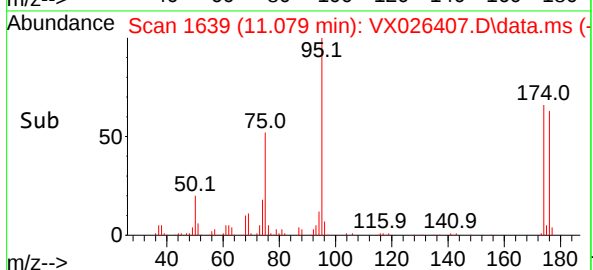
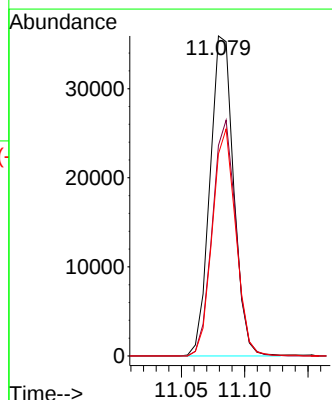
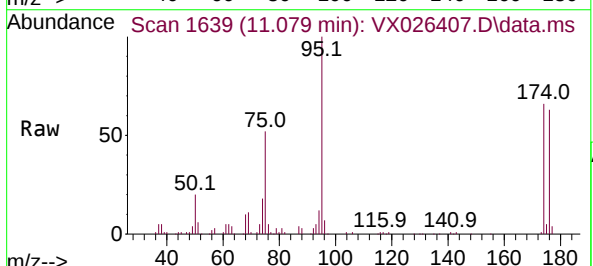
Tgt Ion: 95 Resp: 46861

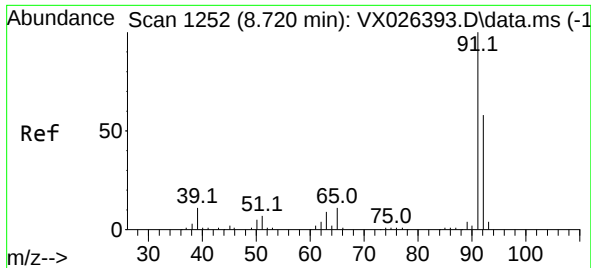
Ion Ratio Lower Upper

95 100

174 72.8 58.0 87.0

176 70.1 56.5 84.7





#62

Toluene

Concen: 4.537 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX026407.D

Acq: 10 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

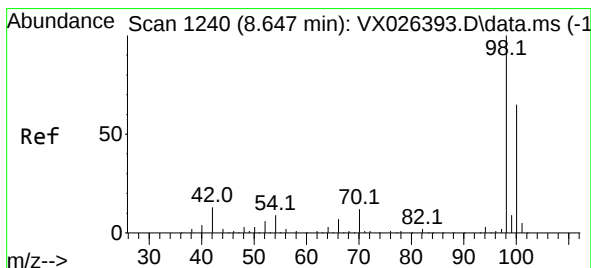
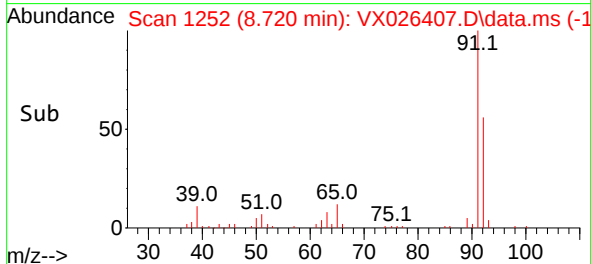
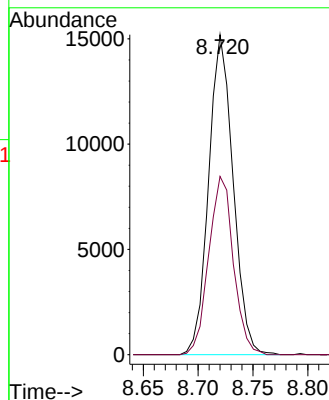
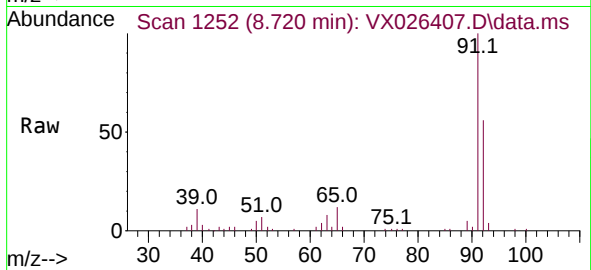
002-35TH-AVE(JAN)

Tgt Ion: 91 Resp: 23593

Ion Ratio Lower Upper

91 100

92 56.2 47.2 70.8



#63

Toluene-d8

Concen: 29.736 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX026407.D

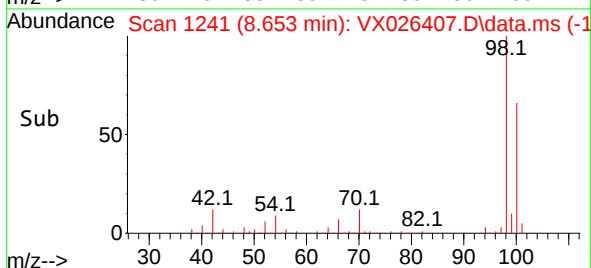
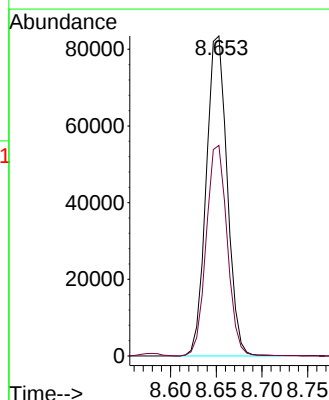
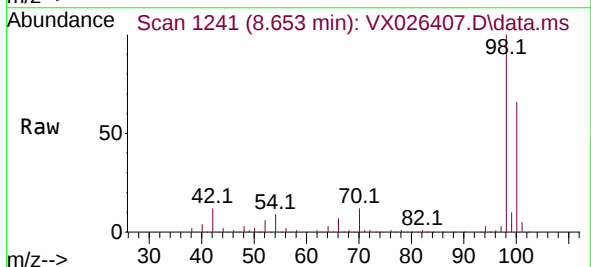
Acq: 10 Jan 2022 17:03

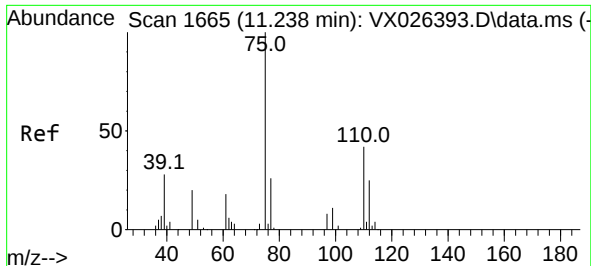
Tgt Ion: 98 Resp: 133049

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

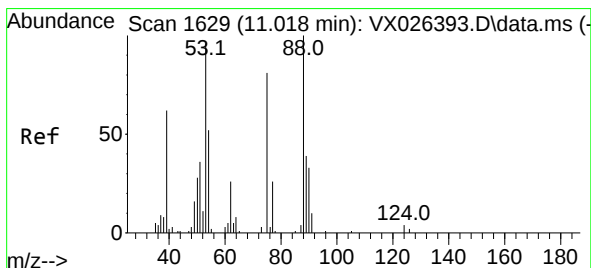
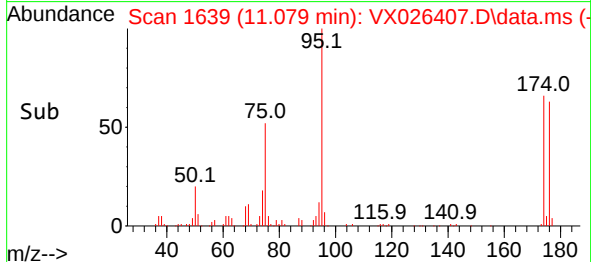
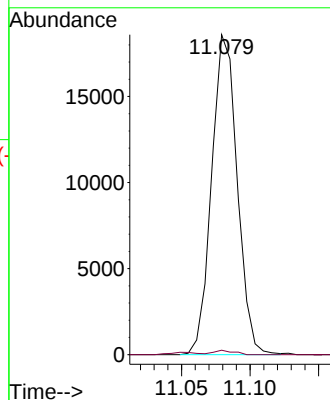
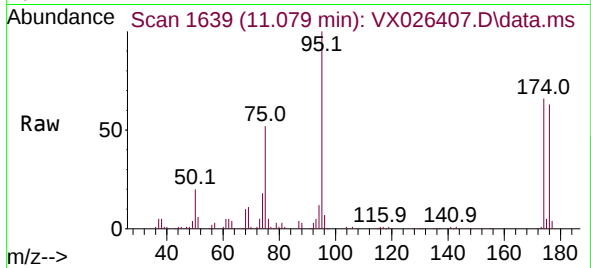




#72
1,2,3-Trichloropropane
Concen: 15.536 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

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

Tgt Ion: 75 Resp: 24150
Ion Ratio Lower Upper
75 100
77 1.1 0.0 76.2



#77
t-1,4-Dichloro-2-butene
Concen: 51.655 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026407.D
Acq: 10 Jan 2022 17:03

Tgt Ion: 75 Resp: 24150
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 24.0 72.0#

