

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
 Data File : VX014995.D
 Acq On : 21 Feb 2020 16:03
 Operator : JC/SP
 Sample : L1653-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-26

Quant Time: Feb 22 00:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	81727	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.84	114	439185	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	399171	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.04	65	169188	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%	
60) 4-Bromofluorobenzene		11.13	95	173790	27.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.17%	
63) Toluene-d8		8.71	98	505811	29.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.87%	

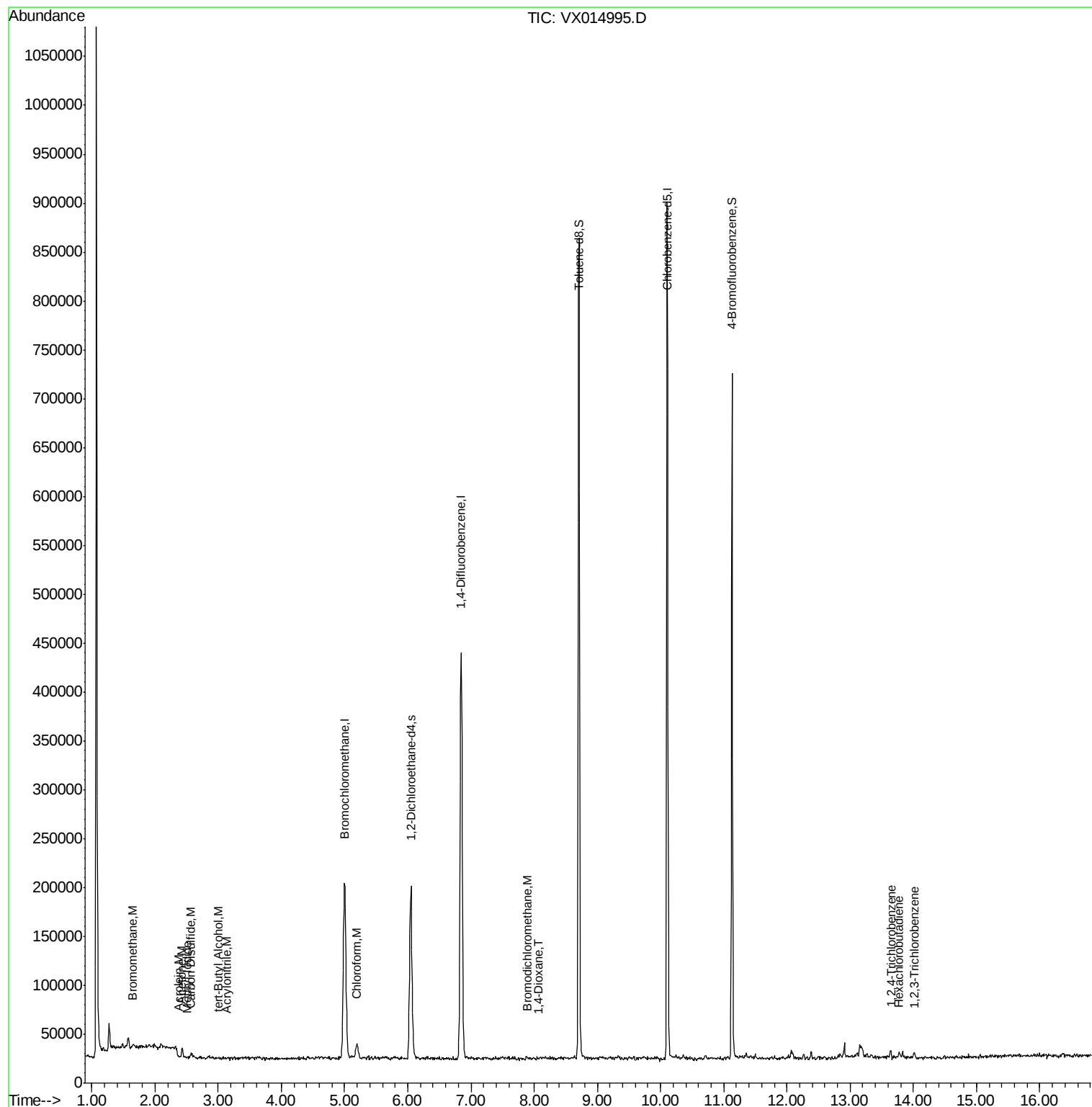
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Bromomethane	1.66	94	1255	0.353	ug/l	89
11) Methyl Iodide	2.51	142	1249	0.239	ug/l #	88
13) Acrolein	2.37	56	366	0.344	ug/l	95
14) Acrylonitrile	3.14	53	609	0.252	ug/l #	63
15) Acetone	2.43	58	3674	4.252	ug/l	92
16) Carbon Disulfide	2.56	76	5672	0.491	ug/l	96
23) tert-Butyl Alcohol	3.01	59	995	1.040	ug/l #	91
25) Chloroform	5.20	83	17122	2.029	ug/l	93
41) Bromodichloromethane	7.89	83	1909	0.300	ug/l #	76
45) 1,4-Dioxane	8.07	88	248	2.461	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	2141	0.283	ug/l #	79
90) Hexachlorobutadiene	13.78	225	1271	0.338	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	1721	0.229	ug/l	91

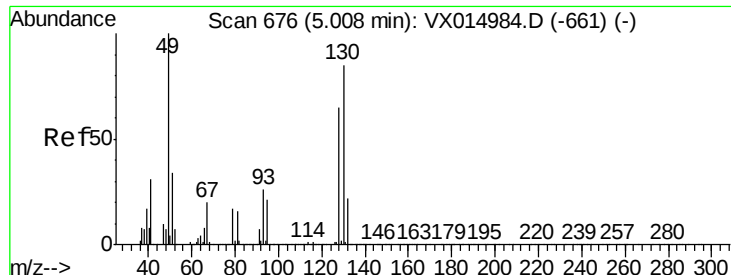
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
55-ST-26

Quant Time: Feb 22 00:44:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014995.D

Acq: 21 Feb 2020 16:03

Instrument :

MSVOA_X

ClientSampled :

55-ST-26

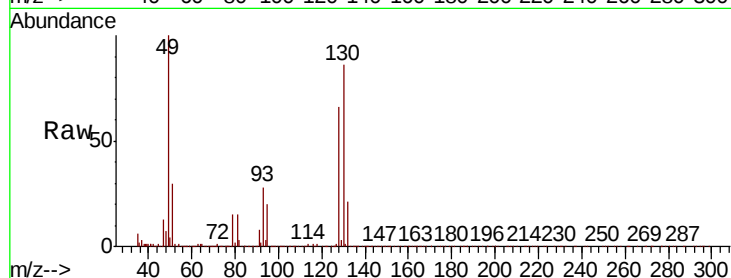
Tot Ion:128 Resp: 81727

Ion Ratio Lower Upper

128 100

49 148.1 0.0 384.7

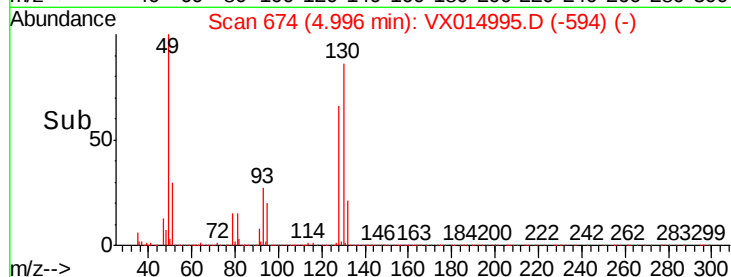
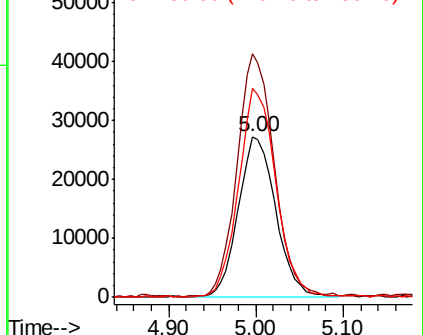
130 128.3 0.0 330.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX014995.D

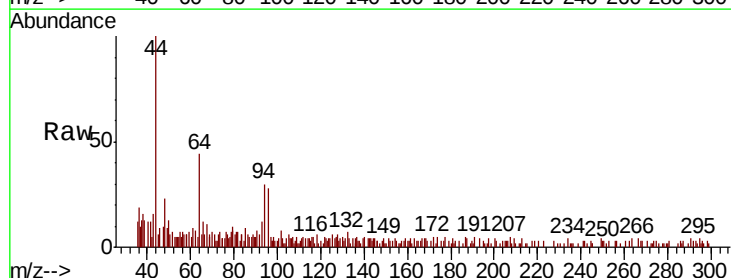
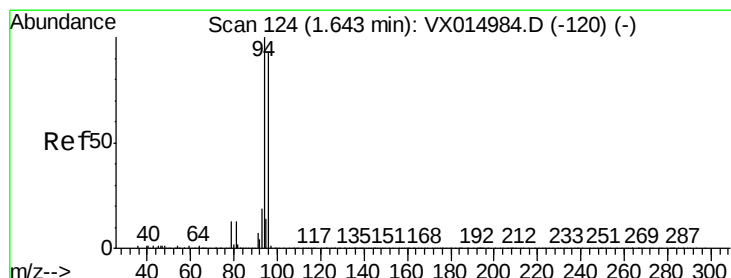
Acq: 21 Feb 2020 16:03

Tgt Ion: 94 Resp: 1255

Ion Ratio Lower Upper

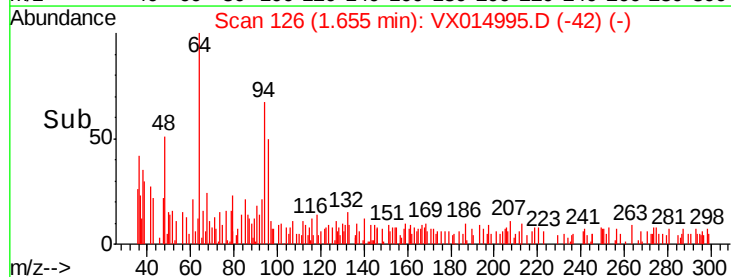
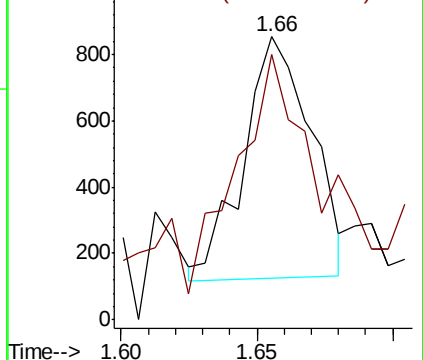
94 100

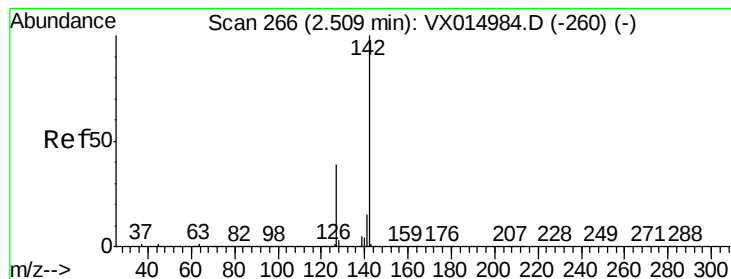
96 103.9 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#11

Methvl Iodide

Concen: 0.239 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX014995.D

Acq: 21 Feb 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

55-ST-26

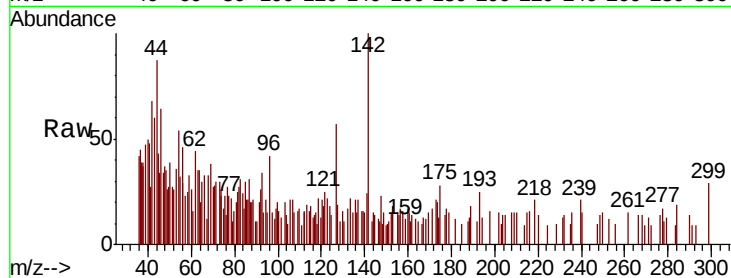
Tot Ion:142 Resp: 1249

Ion Ratio Lower Upper

142 100

127 45.6 19.7 59.0

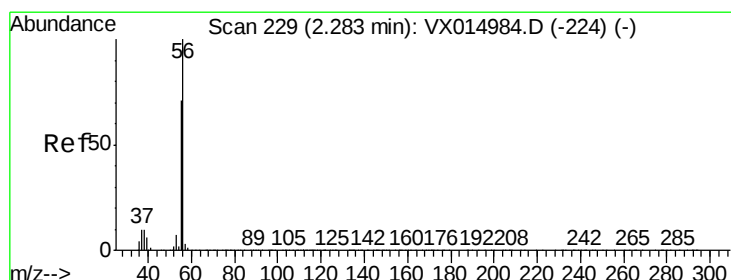
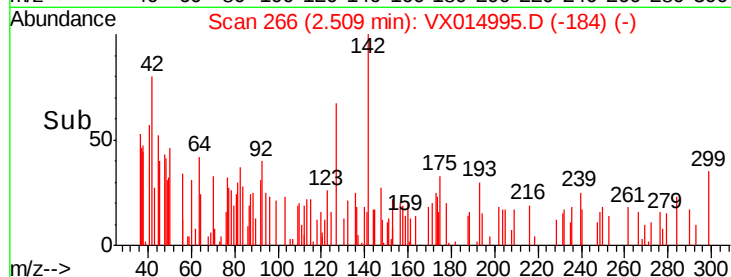
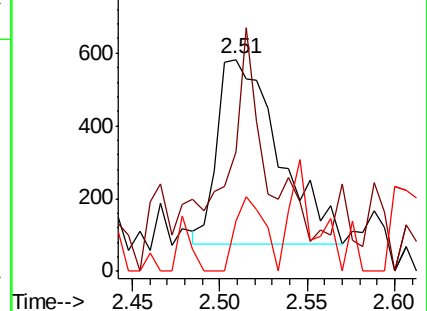
141 22.4 7.4 22.2#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#13

Acrolein

Concen: 0.344 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.09 min

Lab File: VX014995.D

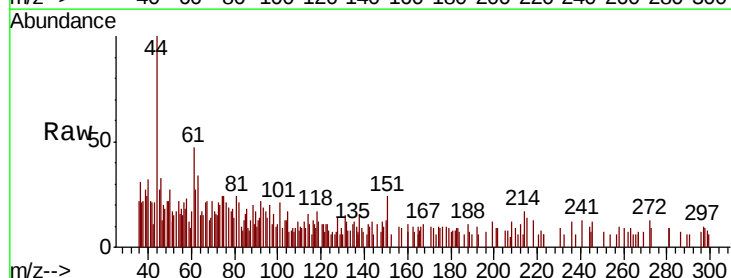
Acq: 21 Feb 2020 16:03

Tgt Ion: 56 Resp: 366

Ion Ratio Lower Upper

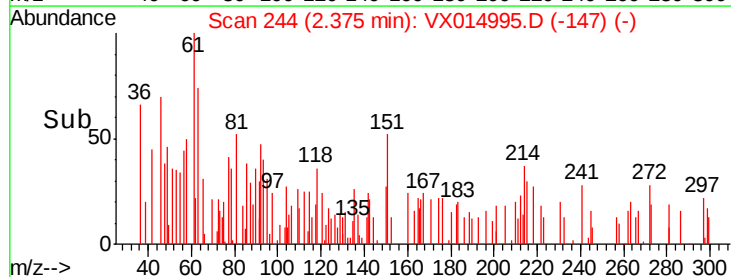
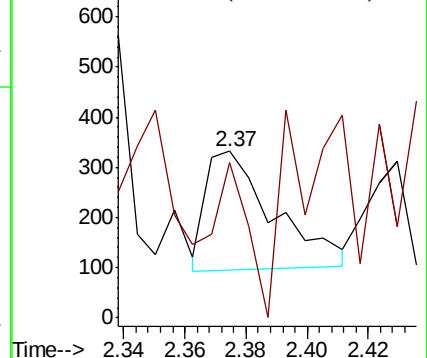
56 100

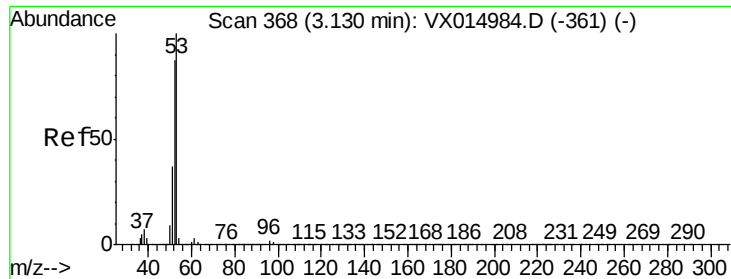
55 65.8 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Acrylonitrile

Concen: 0.252 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014995.D

Acq: 21 Feb 2020 16:03

Instrument :

MSVOA_X

ClientSampleID :

55-ST-26

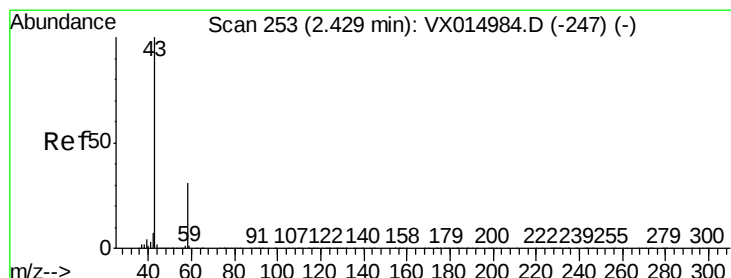
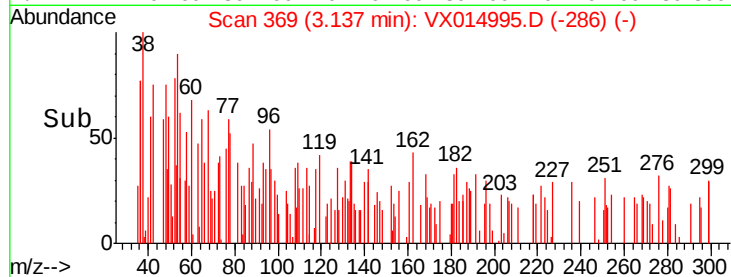
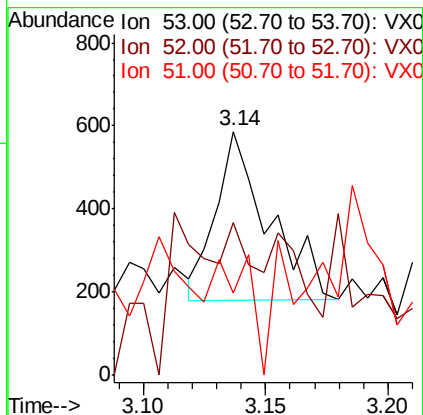
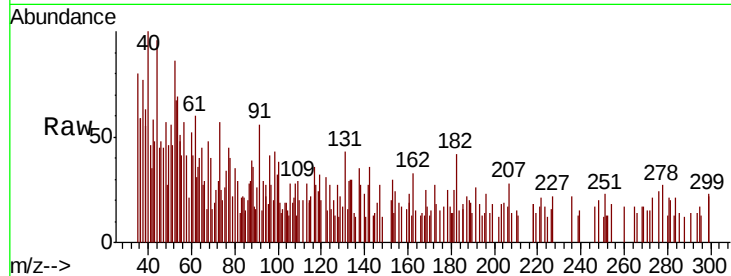
Tot Ion: 53 Resp: 609

Ion Ratio Lower Upper

53 100

52 41.2 41.5 124.6#

51 45.8 18.1 54.4



#15

Acetone

Concen: 4.252 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014995.D

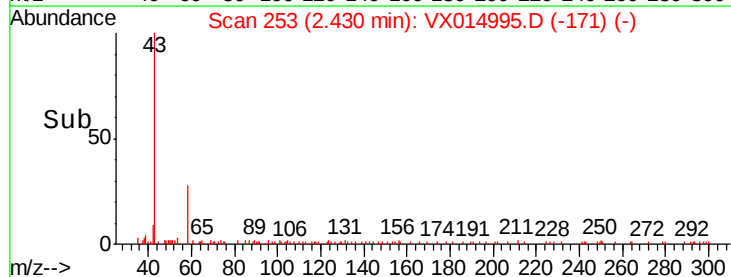
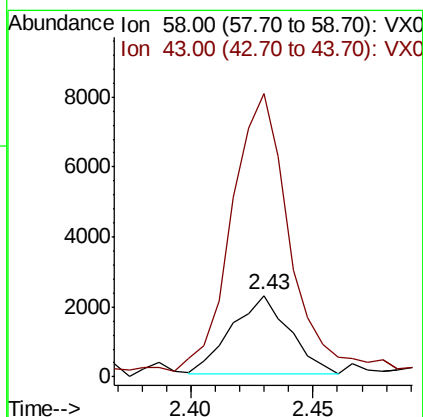
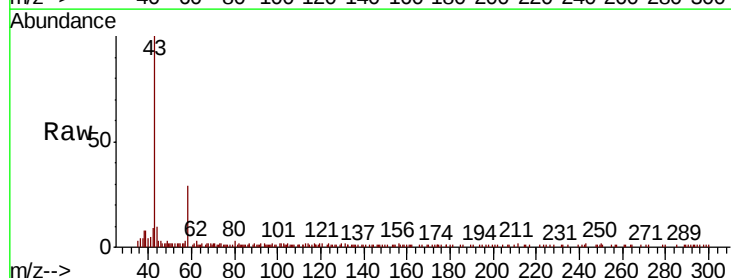
Acq: 21 Feb 2020 16:03

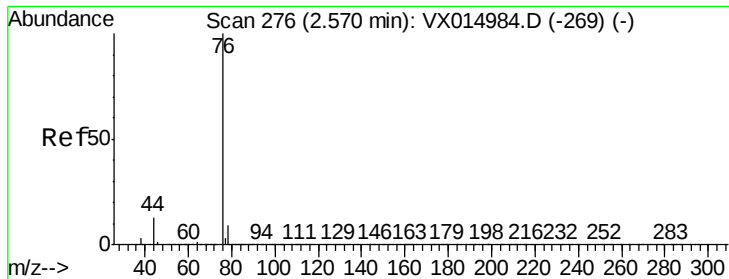
Tgt Ion: 58 Resp: 3674

Ion Ratio Lower Upper

58 100

43 338.3 257.7 386.5

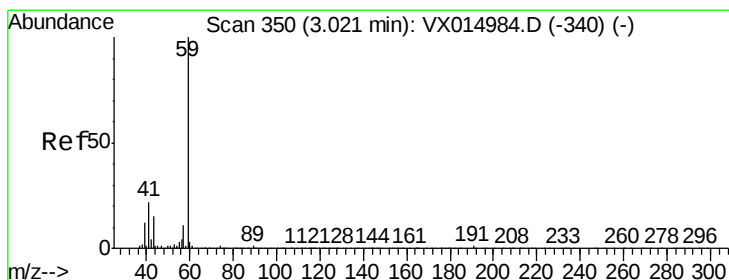
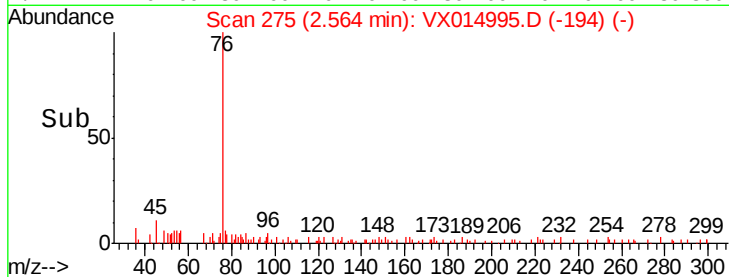
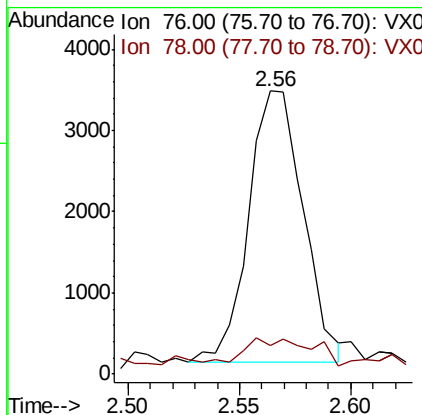
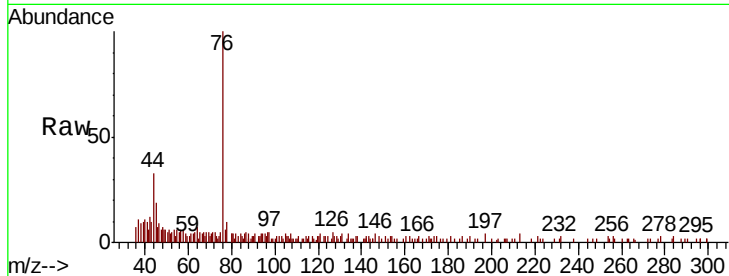




#16
Carbon Disulfide
Concen: 0.491 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

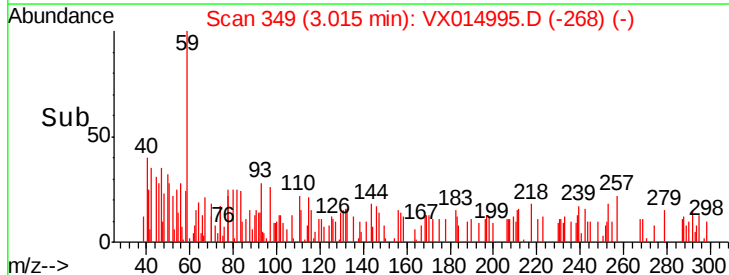
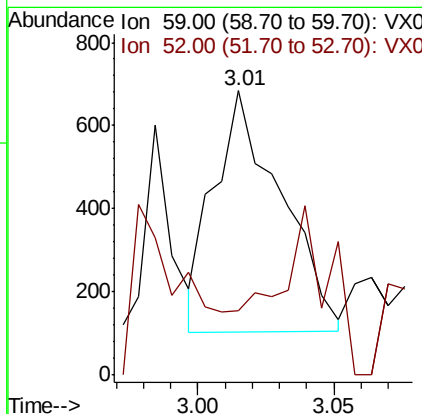
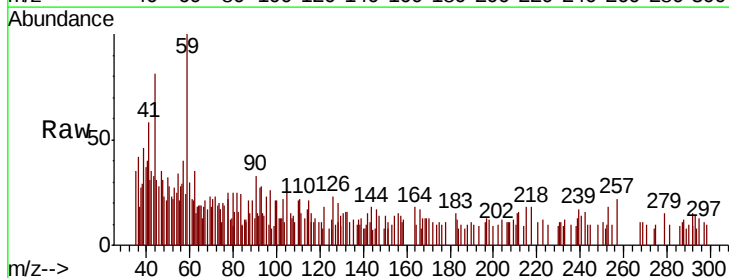
Instrument :
MSVOA_X
ClientSampleId :
55-ST-26

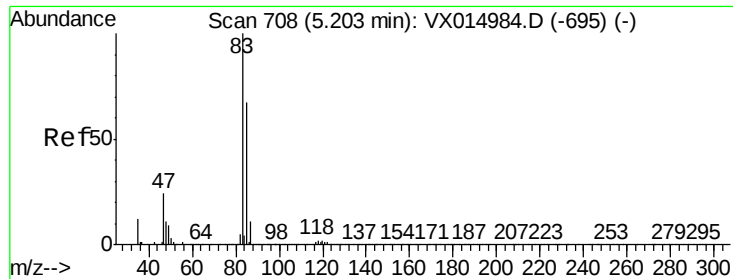
Tot Ion: 76 Resp: 5672
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7



#23
tert-Butyl Alcohol
Concen: 1.040 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

Tgt Ion: 59 Resp: 995
Ion Ratio Lower Upper
59 100
52 6.2 0.4 0.6#

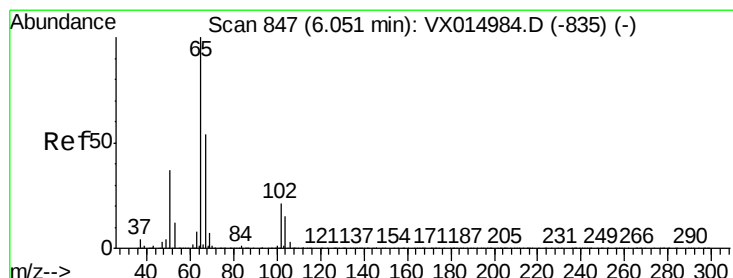
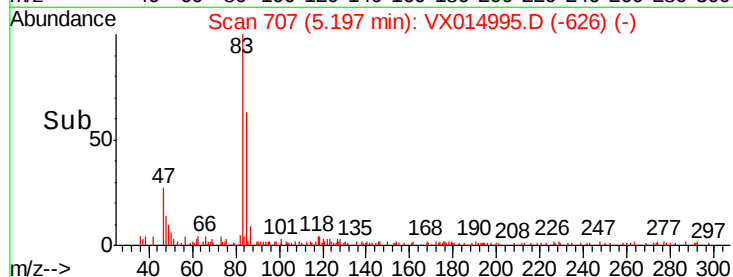
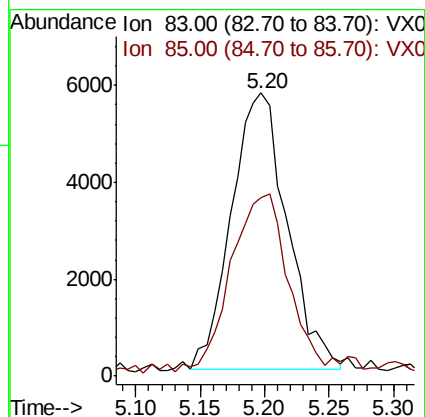
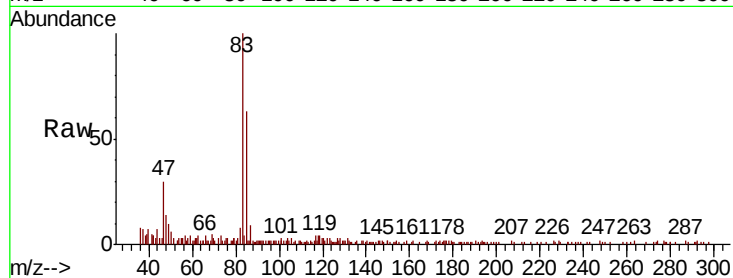




#25
Chloroform
Concen: 2.029 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

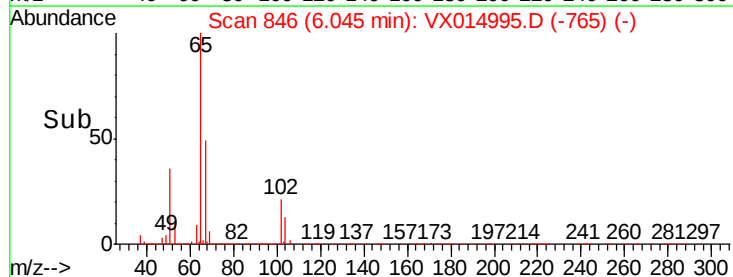
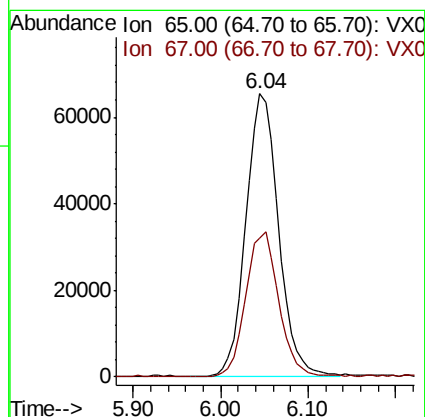
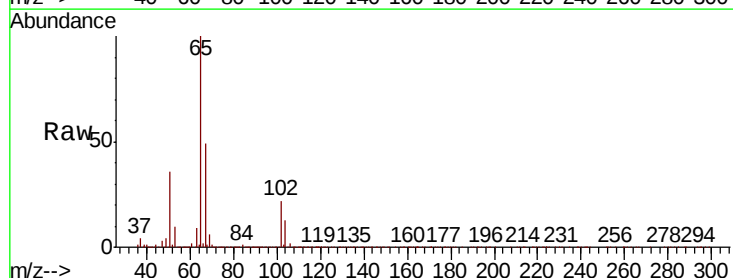
Instrument :
MSVOA_X
ClientSampleId :
55-ST-26

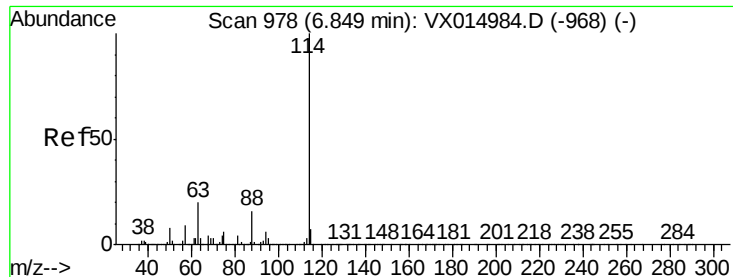
Tot Ion: 83 Resp: 17122
Ion Ratio Lower Upper
83 100
85 61.4 53.4 80.0



#27
1,2-Dichloroethane-d4
Concen: 29.771 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

Tgt Ion: 65 Resp: 169188
Ion Ratio Lower Upper
65 100
67 52.2 41.9 62.9

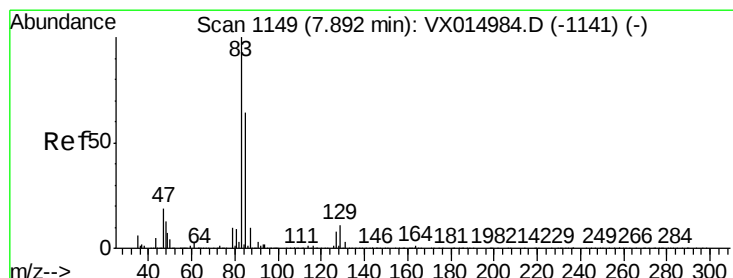
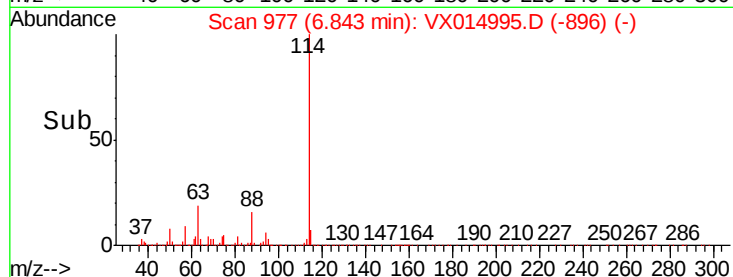
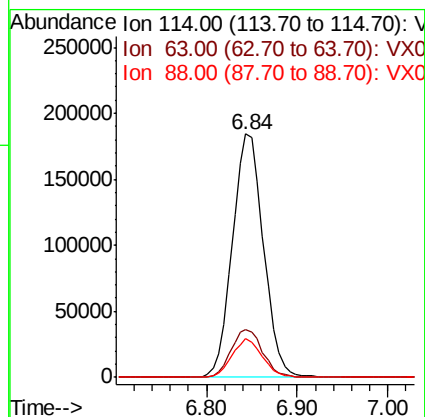
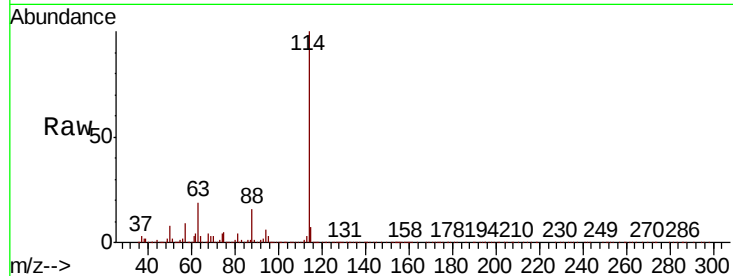




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

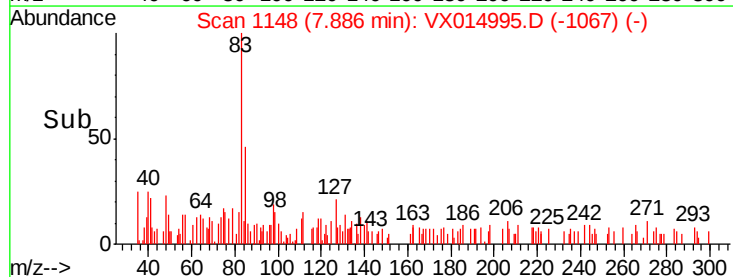
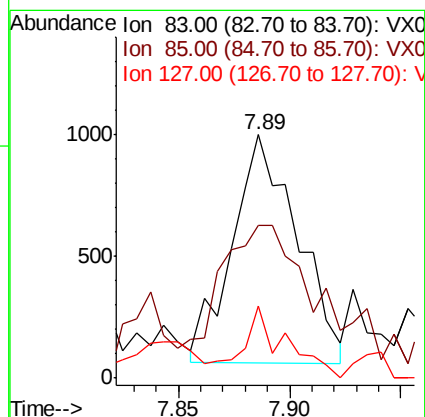
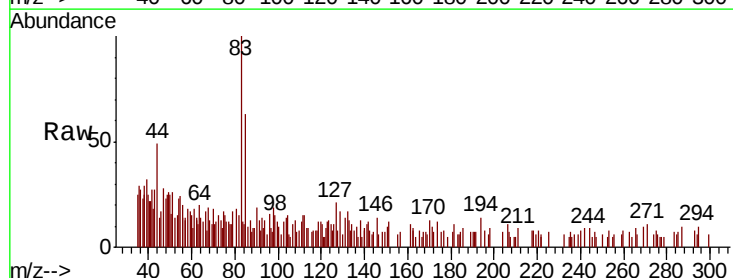
Instrument :
MSVOA_X
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55-ST-26

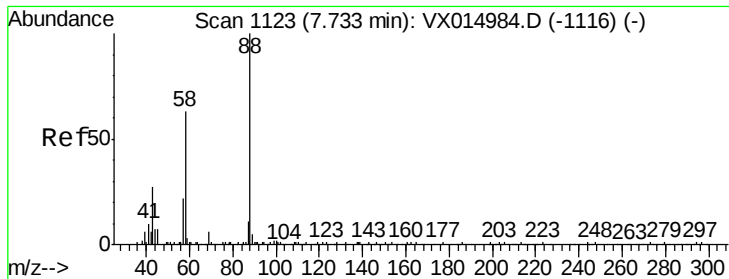
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	15.6	23.4
88	15.3	12.2	18.2



#41
Bromodichloromethane
Concen: 0.300 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.6	51.0	76.4#
127	30.3	6.6	10.0#





#45

1,4-Dioxane

Concen: 2.461 ug/l

RT: 8.07 min Scan# 1178

Delta R.T. 0.34 min

Lab File: VX014995.D

Acq: 21 Feb 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

55-ST-26

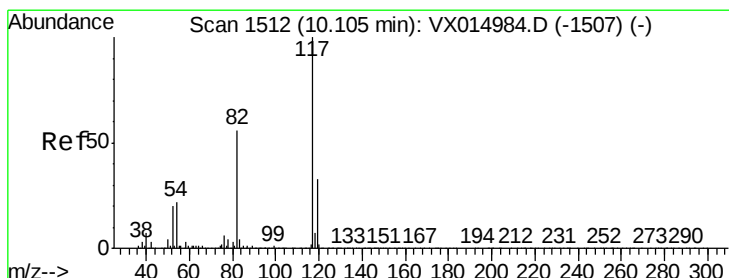
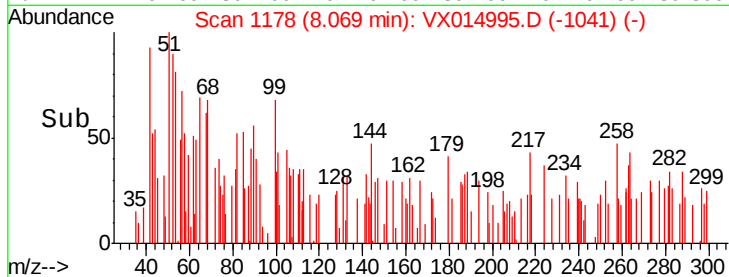
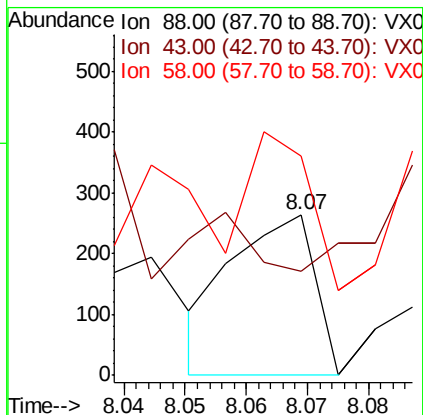
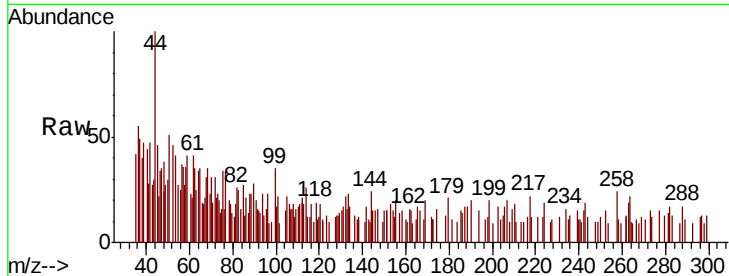
Tot Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 31.9 25.4 38.2

58 71.0 55.8 83.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VX014995.D

Acq: 21 Feb 2020 16:03

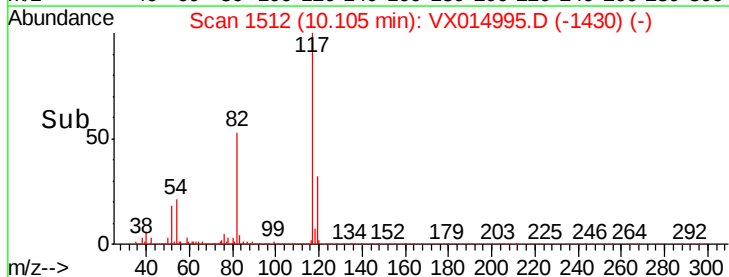
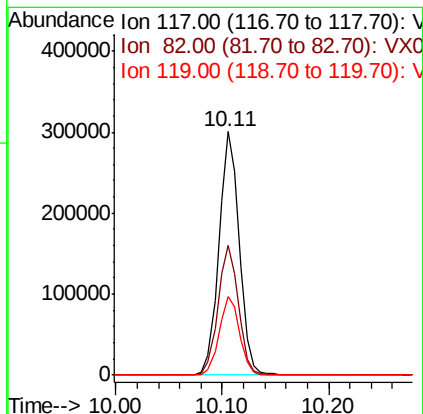
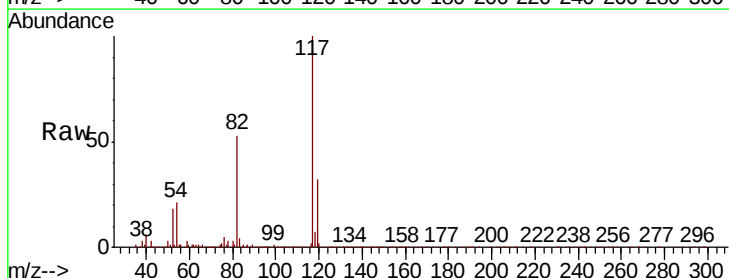
Tgt Ion: 117 Resp: 399171

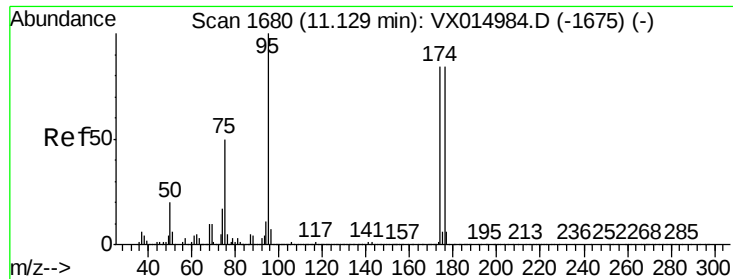
Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.2

119 32.0 26.0 39.0

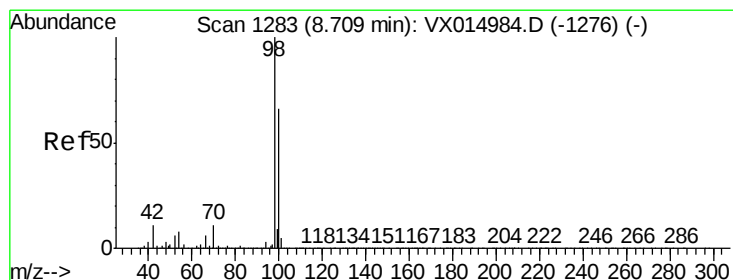
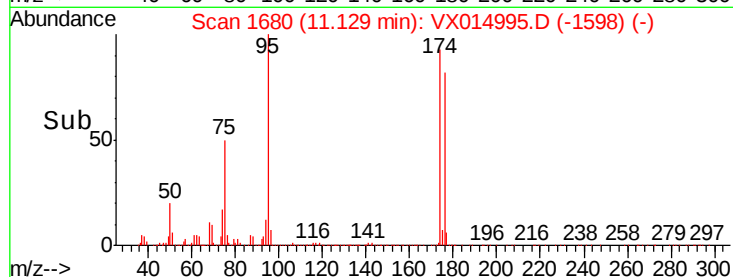
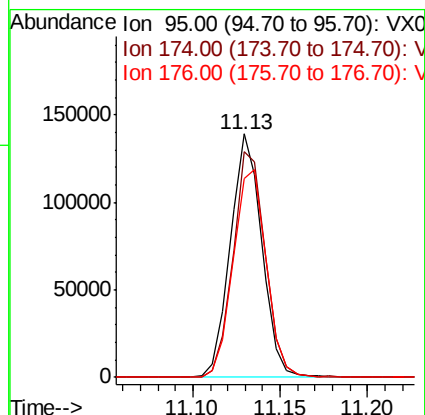
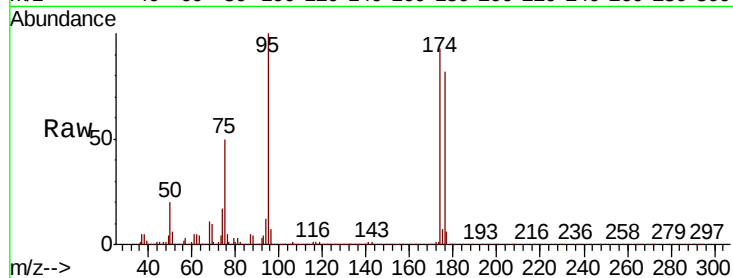




#60
4-Bromofluorobenzene
Concen: 27.954 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

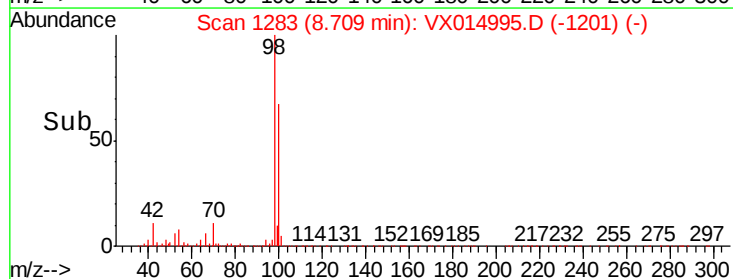
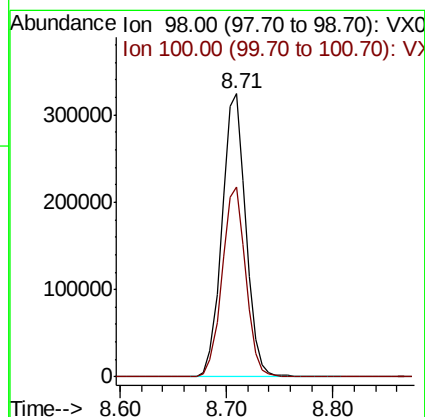
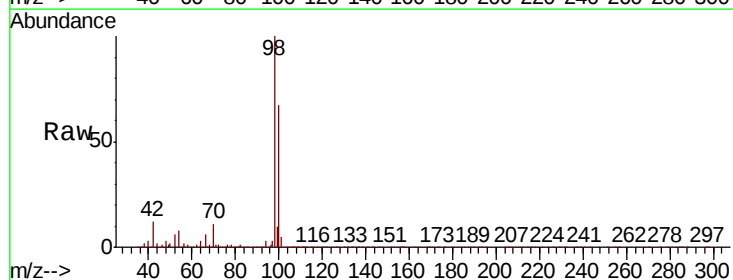
Instrument :
MSVOA_X
ClientSampleId :
55-ST-26

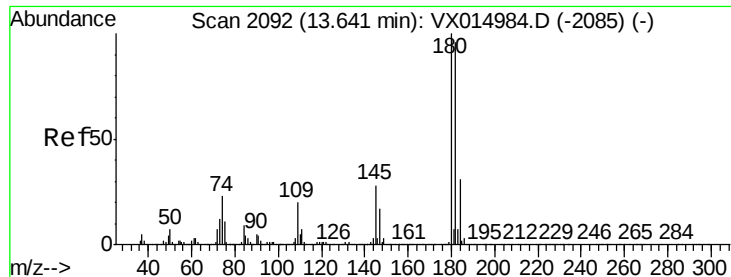
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.0	72.3	108.5
176	90.2	72.0	108.0



#63
Toluene-d8
Concen: 29.058 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014995.D
Acq: 21 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2

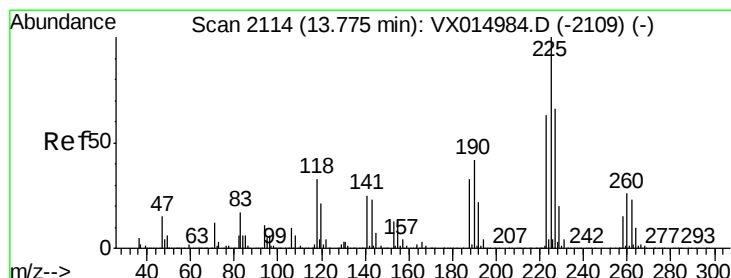
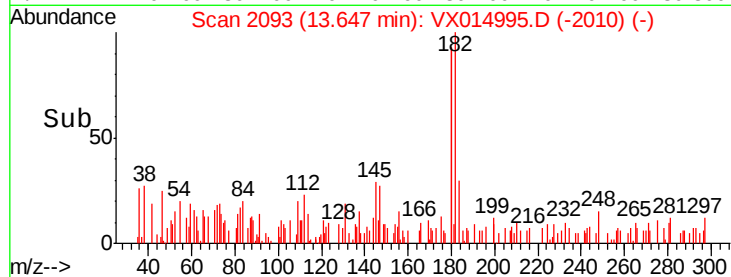
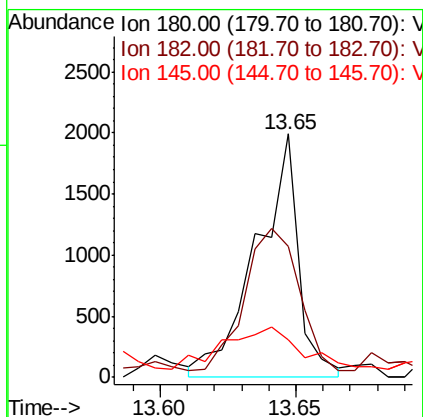
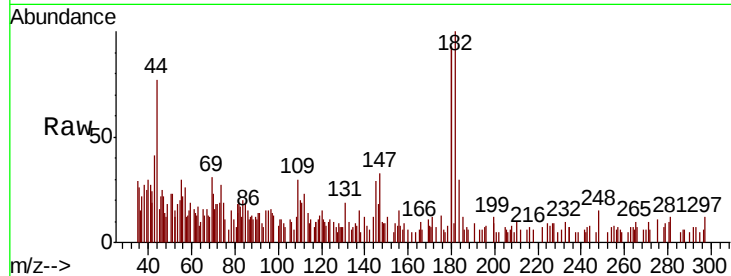




#89
 1,2,4-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX014995.D
 Acq: 21 Feb 2020 16:03

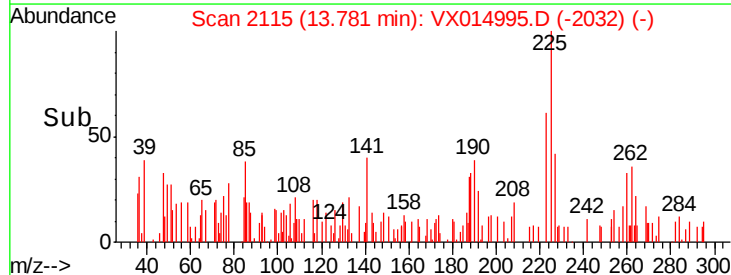
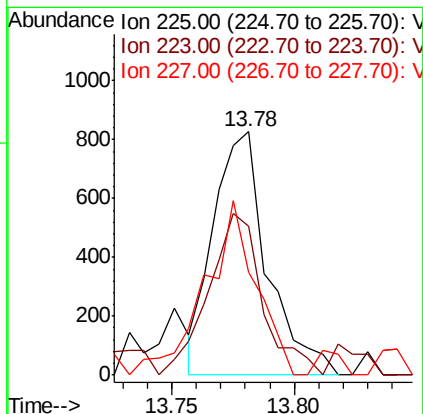
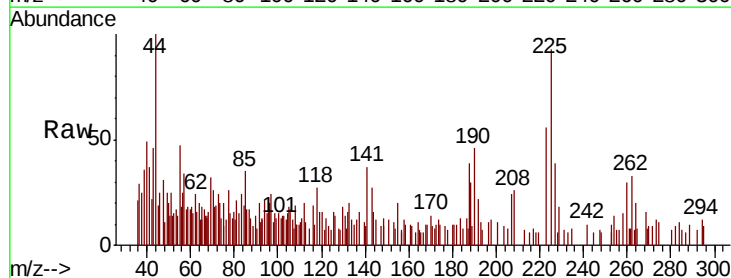
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-26

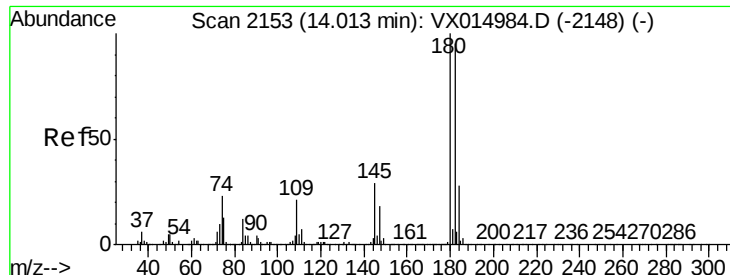
Tot Ion:180 Resp: 2141
 Ion Ratio Lower Upper
 180 100
 182 75.9 76.4 114.6#
 145 38.8 21.8 32.6#



#90
 Hexachlorobutadiene
 Concen: 0.338 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014995.D
 Acq: 21 Feb 2020 16:03

Tgt Ion:225 Resp: 1271
 Ion Ratio Lower Upper
 225 100
 223 66.2 0.0 132.0
 227 64.1 0.0 131.0

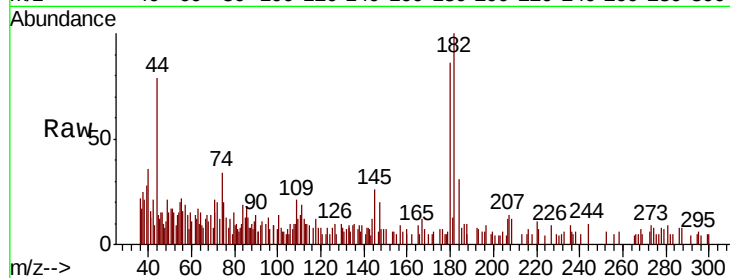




#92
 1,2,3-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014995.D
 Acq: 21 Feb 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-26

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	192.4
145	49.3	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

