

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009305.D
 Acq On : 03 May 2019 12:20
 Operator : JC/SP
 Sample : K2665-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-11

Quant Time: May 04 01:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	31055	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	175598	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153613	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	77201	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	11.13	95	72251	27.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.27%
63) Toluene-d8	8.71	98	219284	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

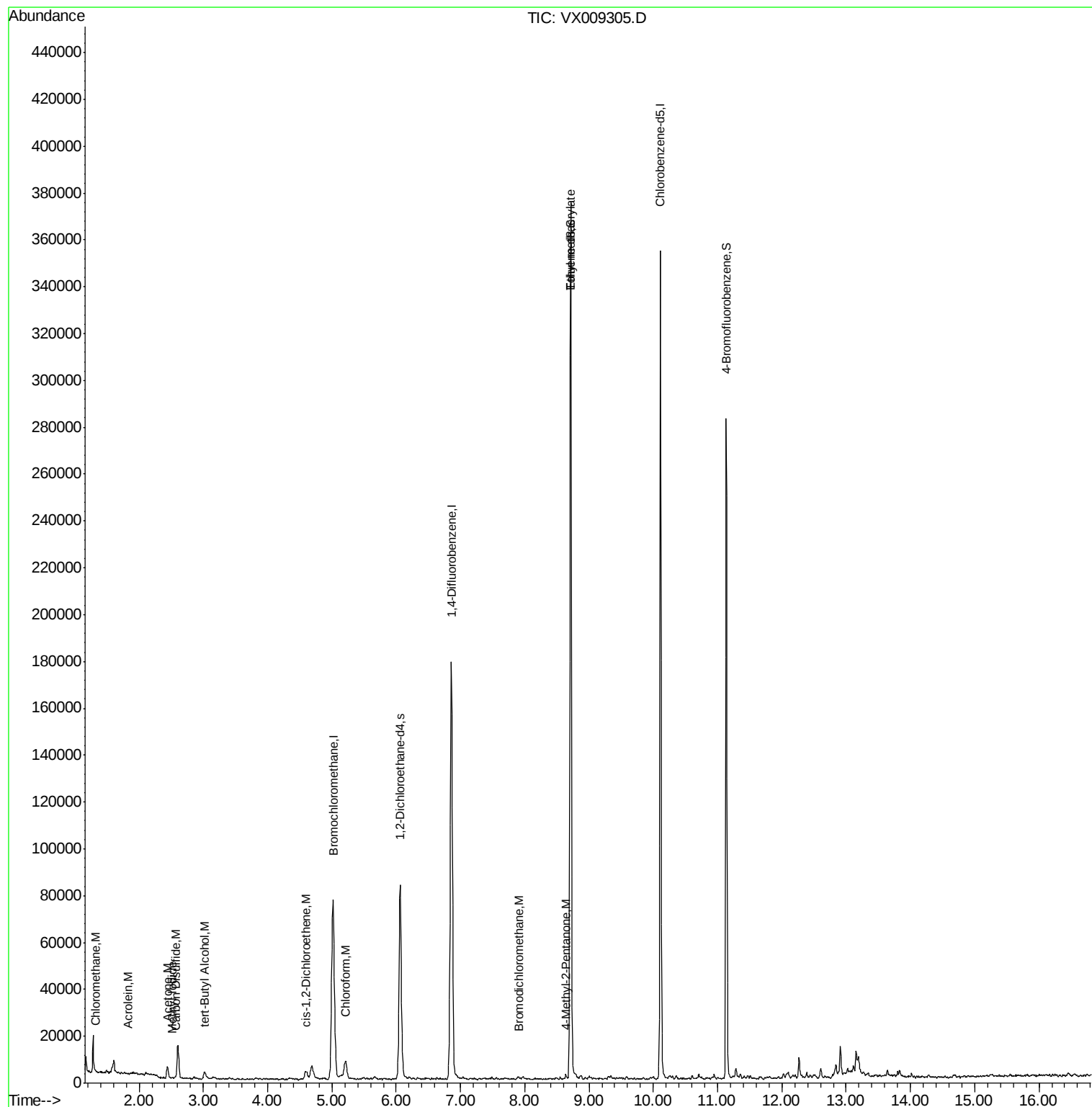
Target Compounds					Ovalue
3) Chloromethane	1.33	50	497	0.224 ug/l #	61
11) Methyl Iodide	2.51	142	388	0.210 ug/l #	47
13) Acrolein	1.82	56	101	0.230 ug/l	97
15) Acetone	2.44	58	2010	5.042 ug/l	89
16) Carbon Disulfide	2.57	76	1276	0.278 ug/l #	80
22) cis-1,2-Dichloroethene	4.60	96	2279	1.045 ug/l #	85
23) tert-Butyl Alcohol	3.02	59	1704	2.902 ug/l #	98
25) Chloroform	5.21	83	8533	2.406 ug/l	95
41) Bromodichloromethane	7.90	83	660	0.252 ug/l #	77
51) Ethyl methacrylate	8.72	69	732	0.201 ug/l	75
58) 4-Methyl-2-Pentanone	8.64	43	1484	0.393 ug/l #	87

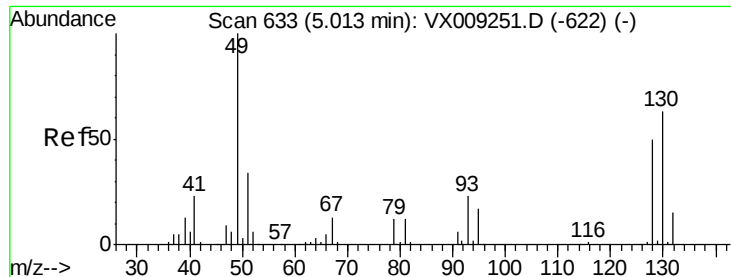
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009305.D

Acq: 03 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

55-ST-11

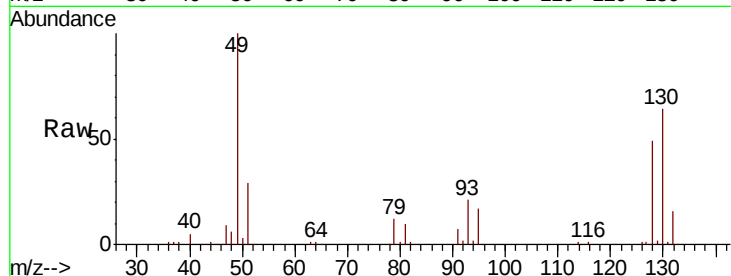
Tot Ion:128 Resp: 31055

Ion Ratio Lower Upper

128 100

49 202.5 0.0 515.0

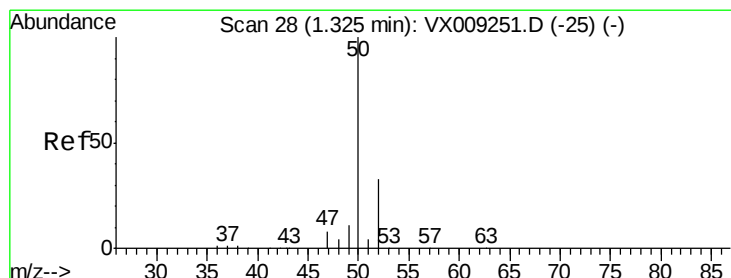
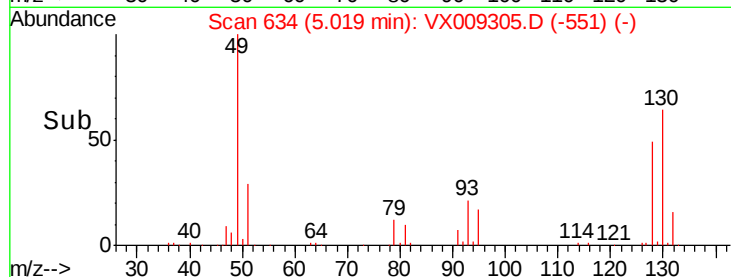
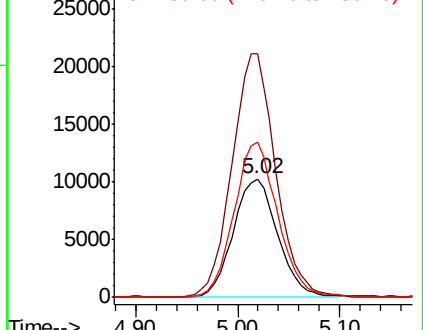
130 128.4 0.0 323.3



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



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009305.D

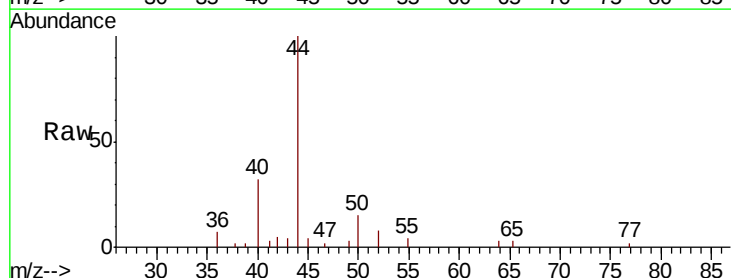
Acq: 03 May 2019 12:20

Tgt Ion: 50 Resp: 497

Ion Ratio Lower Upper

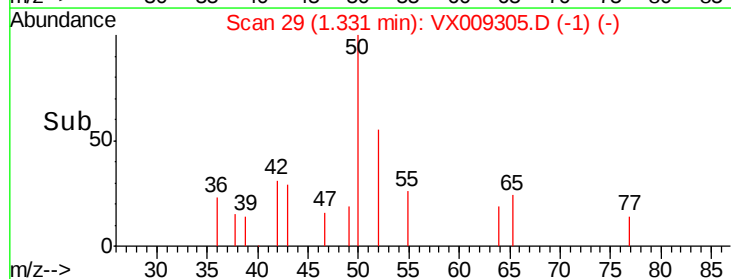
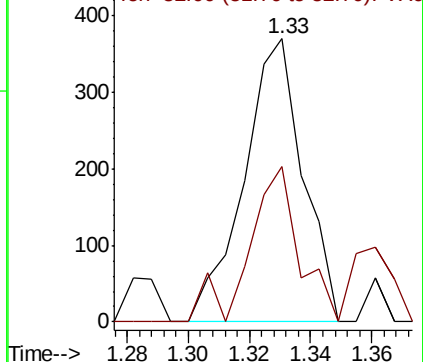
50 100

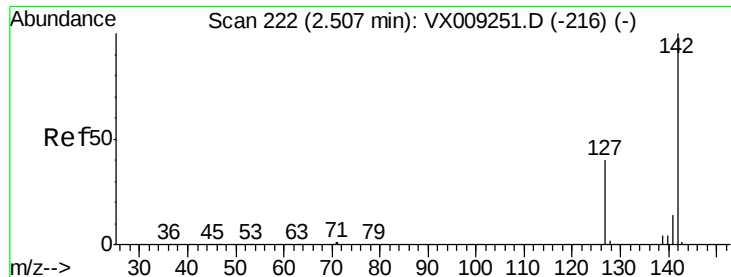
52 54.9 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

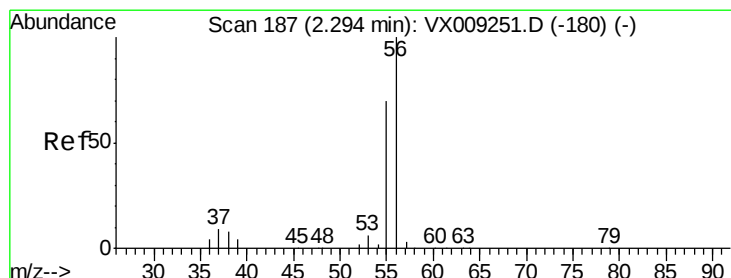
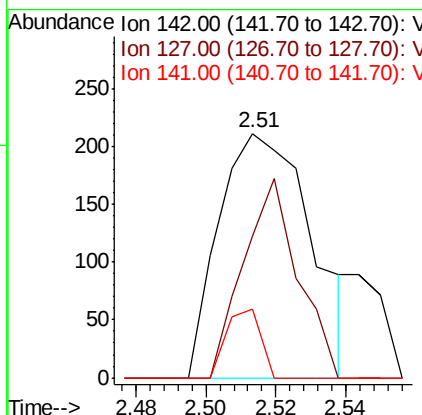
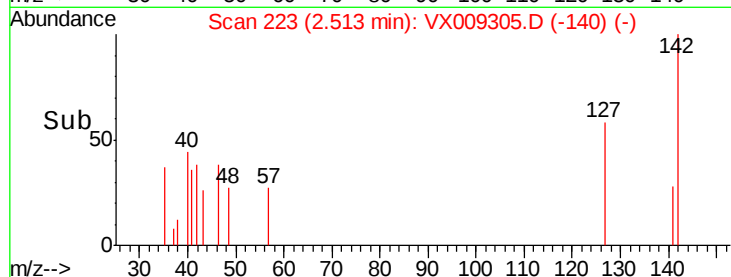
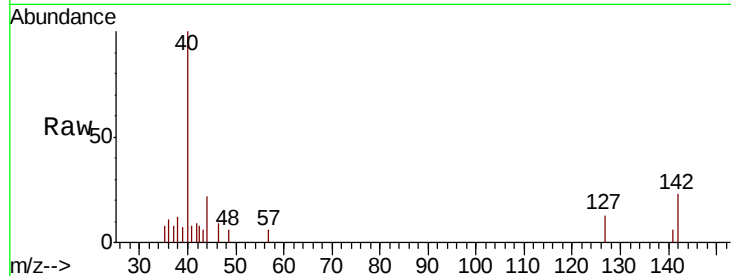




#11
Methvl Iodide
Concen: 0.210 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

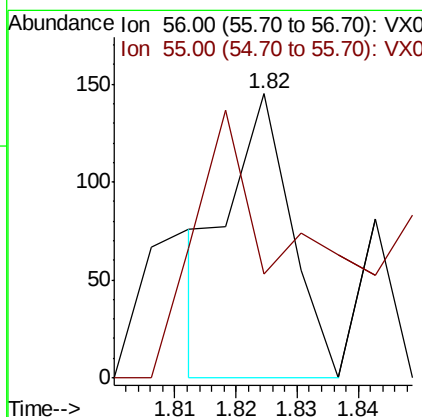
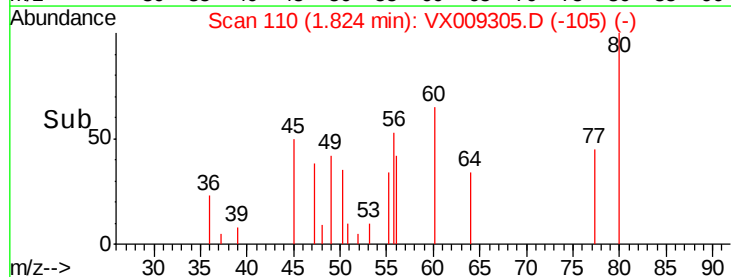
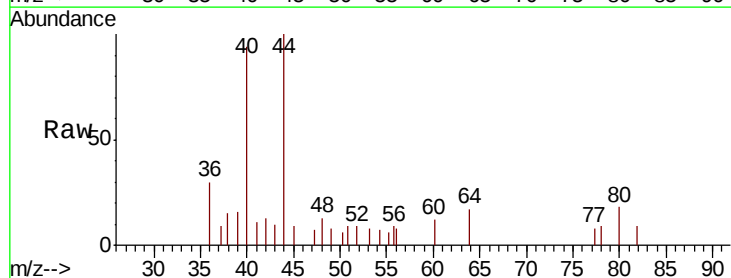
Instrument :
MSVOA_X
ClientSampled :
55-ST-11

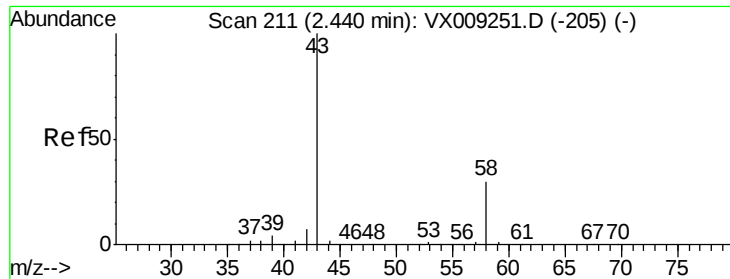
Tot Ion:142 Resp: 388
Ion Ratio Lower Upper
142 100
127 73.3 20.2 60.5#
141 35.4 6.9 20.7#



#13
Acrolein
Concen: 0.230 ug/l
RT: 1.82 min Scan# 110
Delta R.T. -0.47 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 68.3 56.9 85.3





#15

Acetone

Concen: 5.042 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009305.D

Acq: 03 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

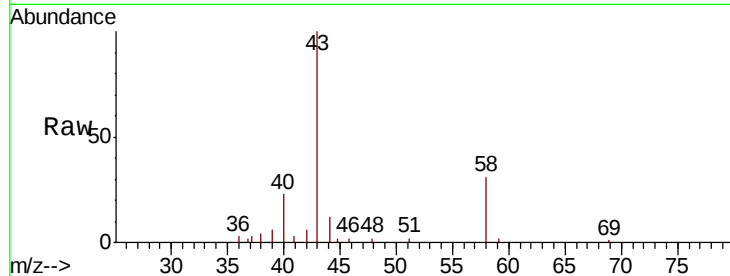
55-ST-11

Tot Ion: 58 Resp: 2010

Ion Ratio Lower Upper

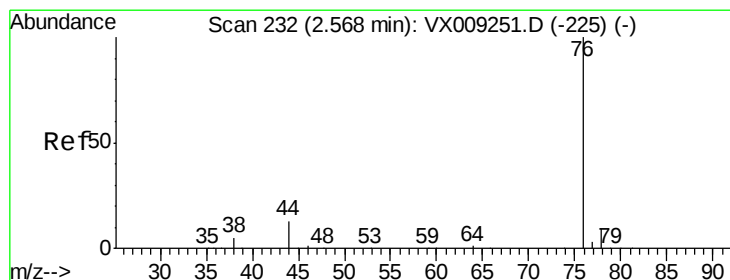
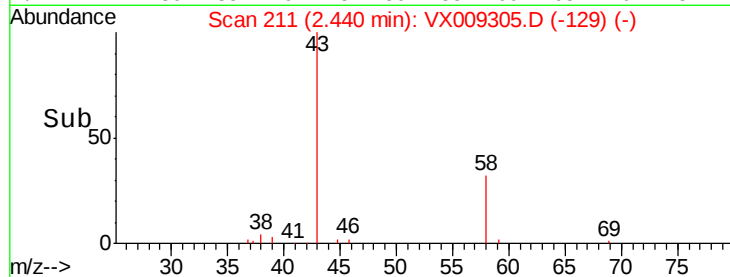
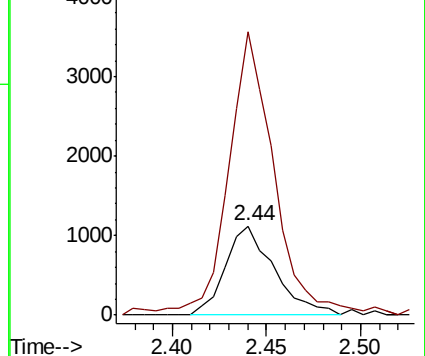
58 100

43 307.8 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009305.D

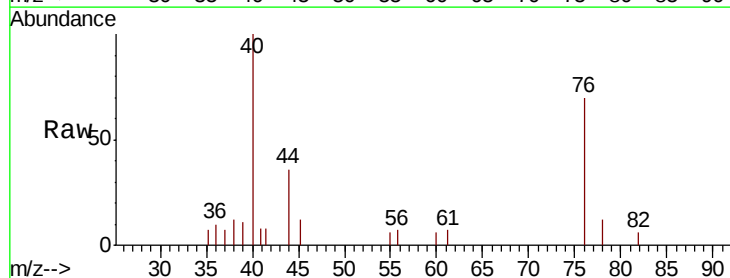
Acq: 03 May 2019 12:20

Tgt Ion: 76 Resp: 1276

Ion Ratio Lower Upper

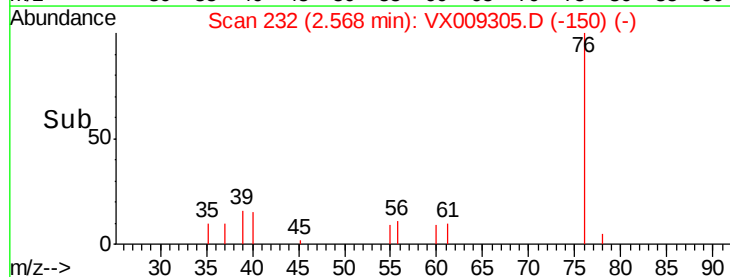
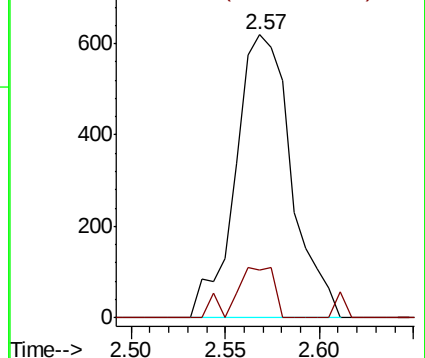
76 100

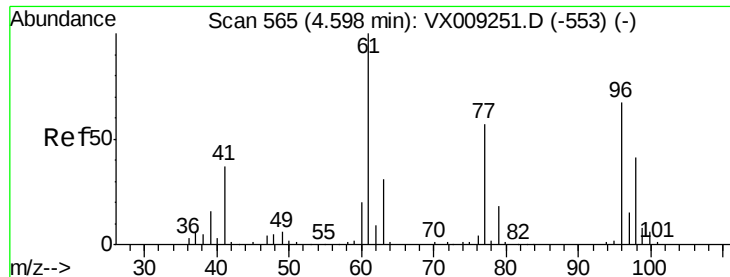
78 16.6 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



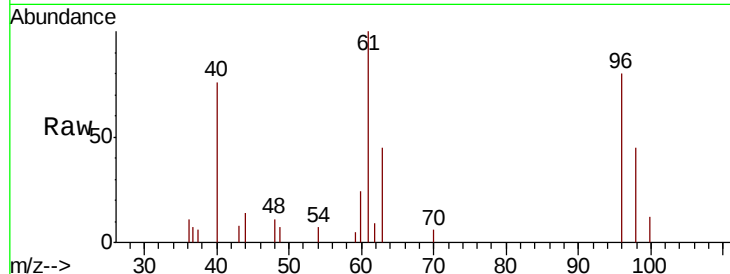


#22

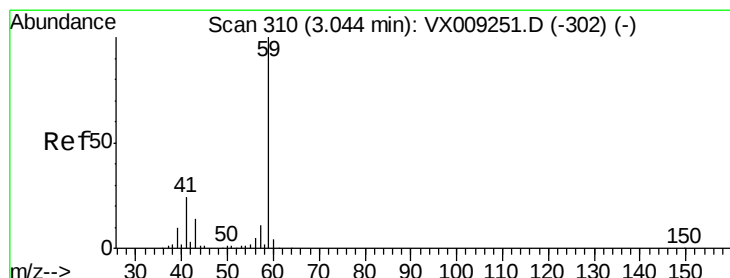
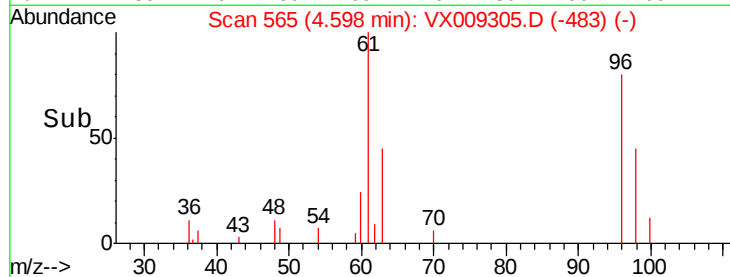
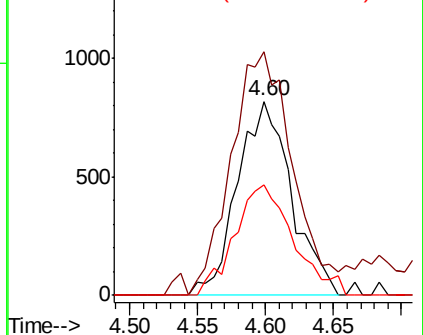
cis-1,2-Dichloroethene
 Concen: 1.045 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009305.D
 Acq: 03 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampled :
 55-ST-11

Tot Ion: 96 Resp: 2279
 Ion Ratio Lower Upper
 96 100
 61 142.3 127.7 191.5
 98 46.7 50.5 75.7#



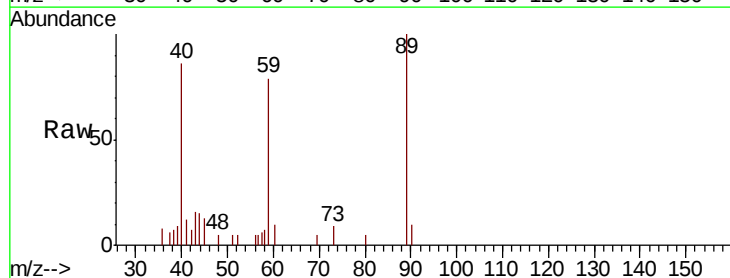
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



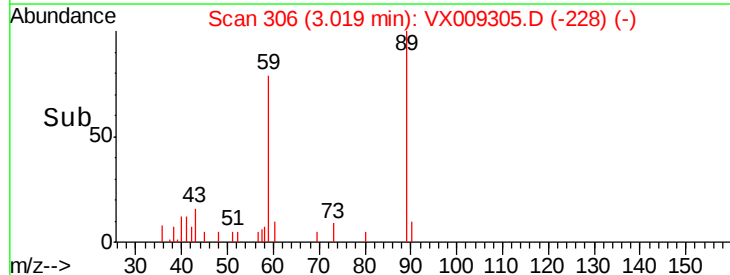
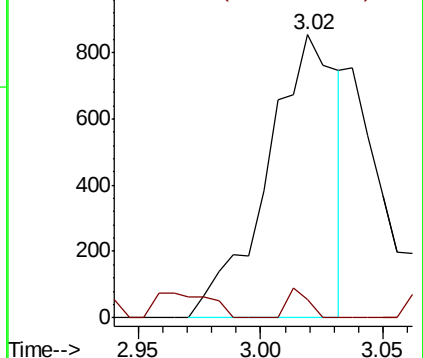
#23

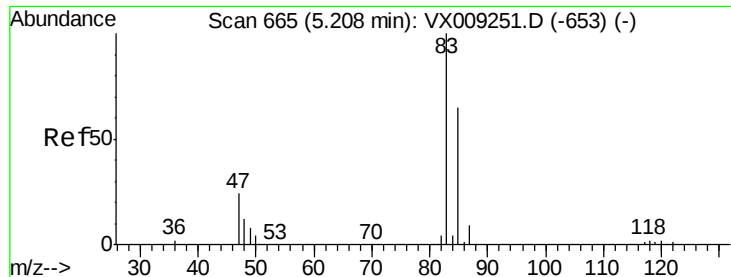
tert-Butyl Alcohol
 Concen: 2.902 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009305.D
 Acq: 03 May 2019 12:20

Tgt Ion: 59 Resp: 1704
 Ion Ratio Lower Upper
 59 100
 52 3.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0

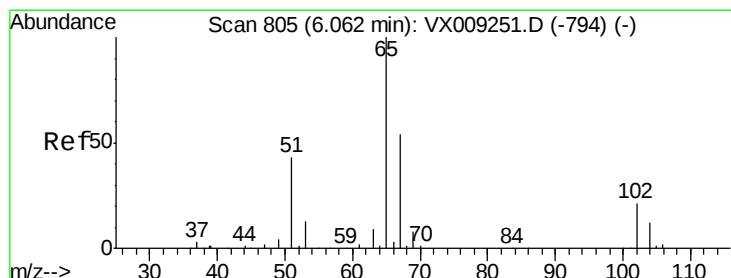
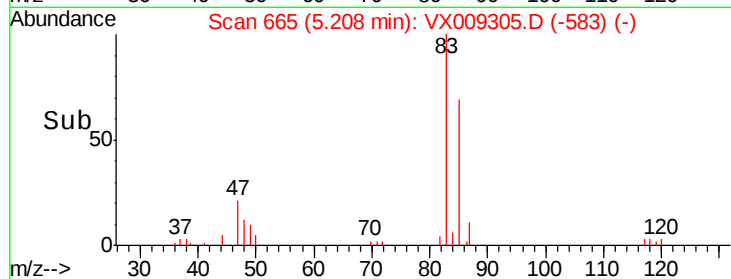
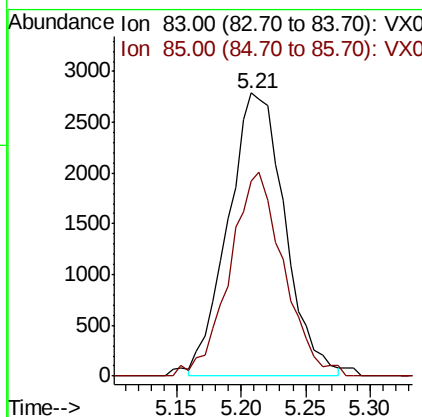
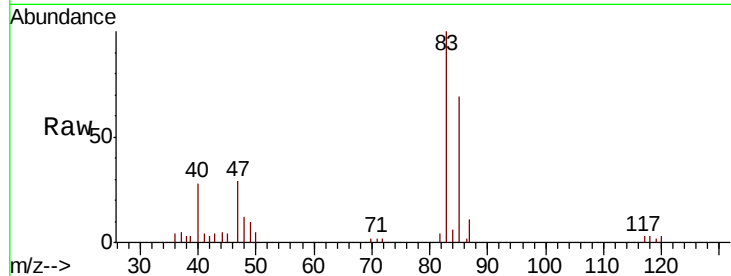




#25
Chloroform
Concen: 2.406 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

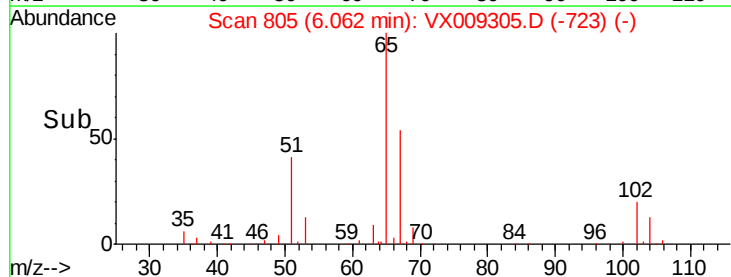
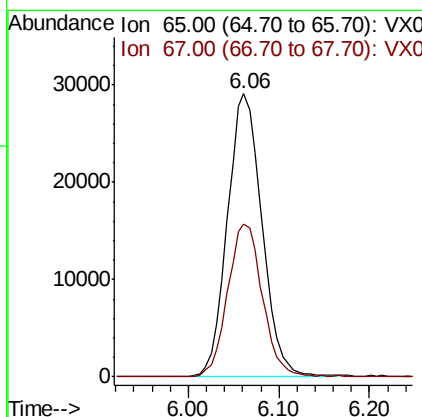
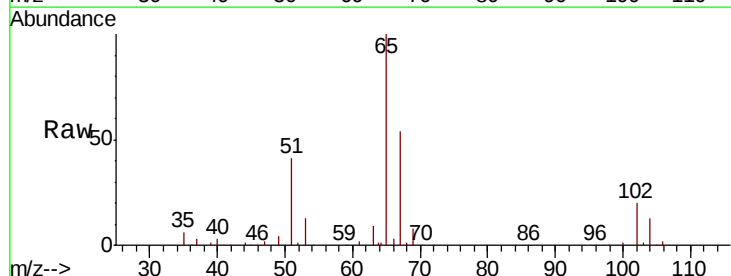
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MSVOA_X
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55-ST-11

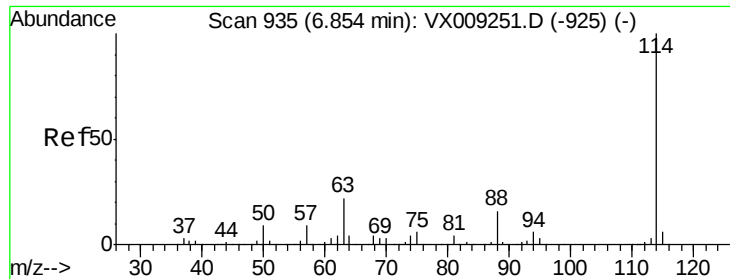
Tot Ion: 83 Resp: 8533
Ion Ratio Lower Upper
83 100
85 68.7 51.9 77.9



#27
1,2-Dichloroethane-d4
Concen: 29.968 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

Tgt Ion: 65 Resp: 77201
Ion Ratio Lower Upper
65 100
67 53.9 43.1 64.7

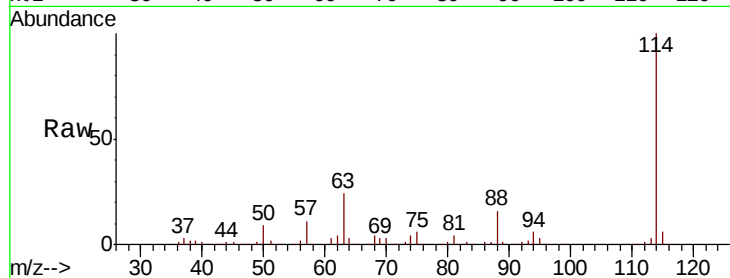




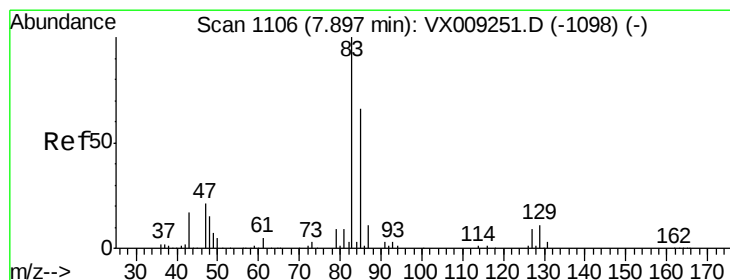
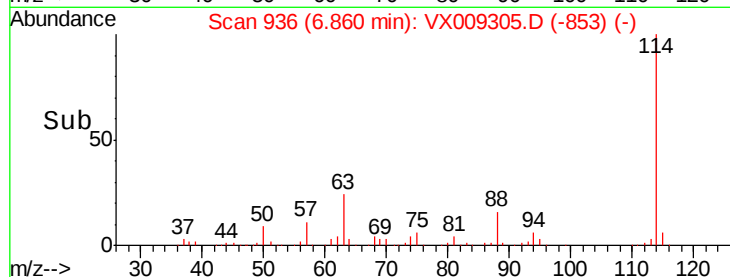
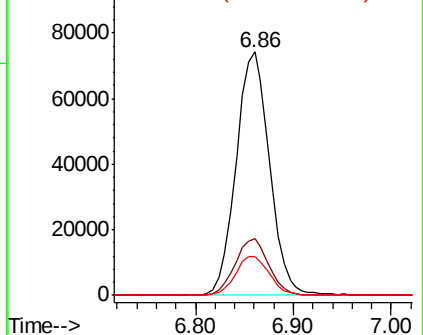
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009305.D
 Acq: 03 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-11

Tot Ion:114 Resp: 175598
 Ion Ratio Lower Upper
 114 100
 63 23.4 18.0 27.0
 88 16.3 13.4 20.0

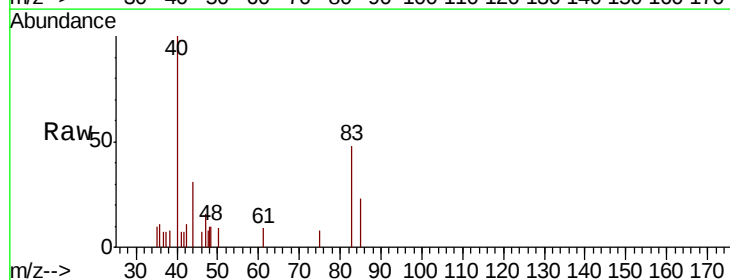


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

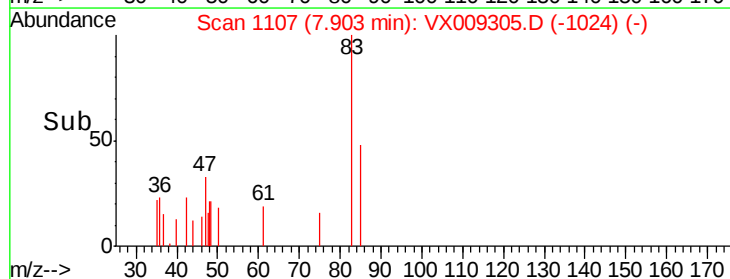
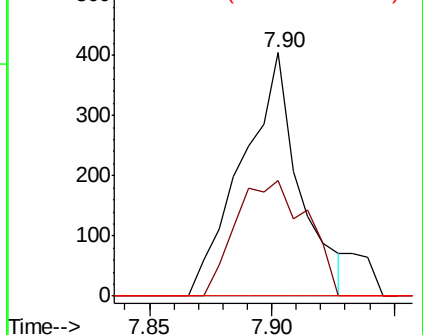


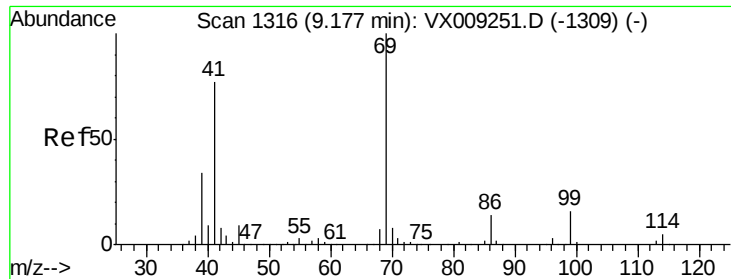
#41
 Bromodichloromethane
 Concen: 0.252 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX009305.D
 Acq: 03 May 2019 12:20

Tgt Ion: 83 Resp: 660
 Ion Ratio Lower Upper
 83 100
 85 47.8 52.6 79.0#
 127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0
 Ion 127.00 (126.70 to 127.70): V





#51

Ethyl methacrylate

Concen: 0.201 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX009305.D

Acq: 03 May 2019 12:20

Instrument :

MSVOA_X

ClientSampled :

55-ST-11

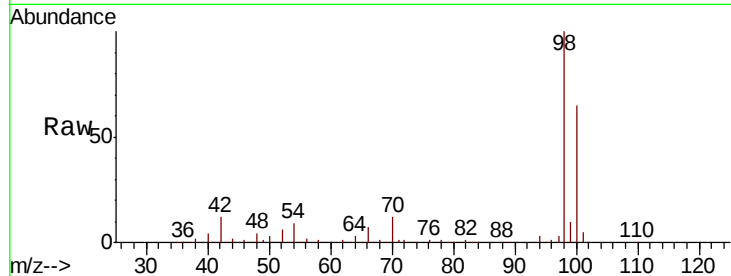
Tot Ion: 69 Resp: 732

Ion Ratio Lower Upper

69 100

41 96.9 38.4 115.2

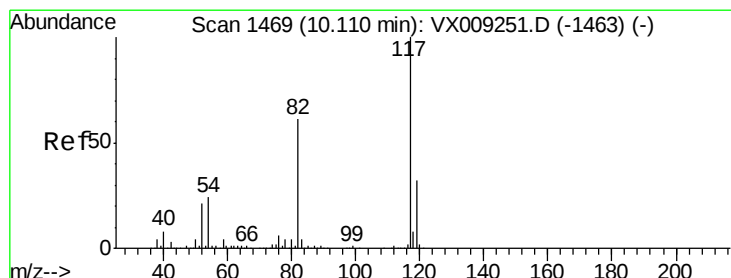
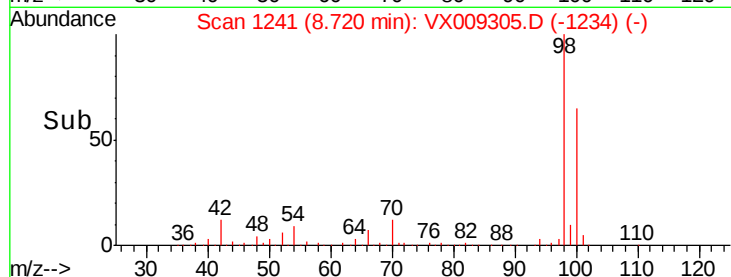
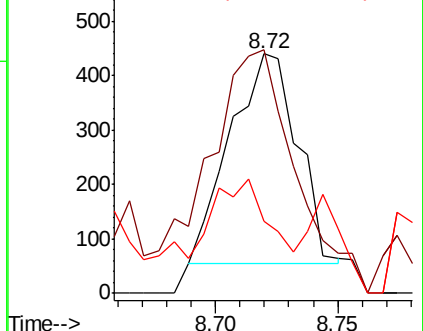
39 17.7 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009305.D

Acq: 03 May 2019 12:20

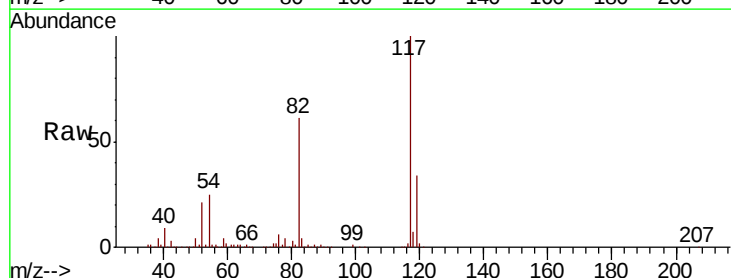
Tgt Ion: 117 Resp: 153613

Ion Ratio Lower Upper

117 100

82 58.7 47.8 71.8

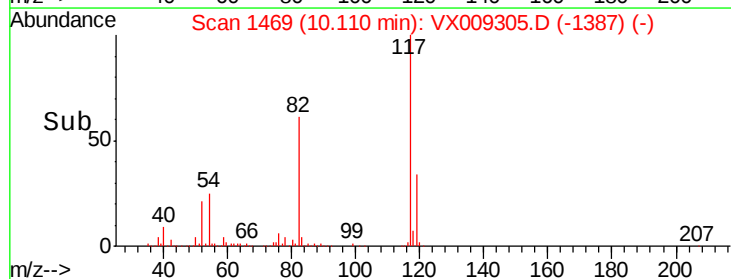
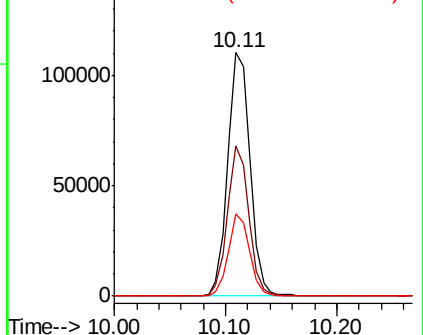
119 32.0 25.6 38.4

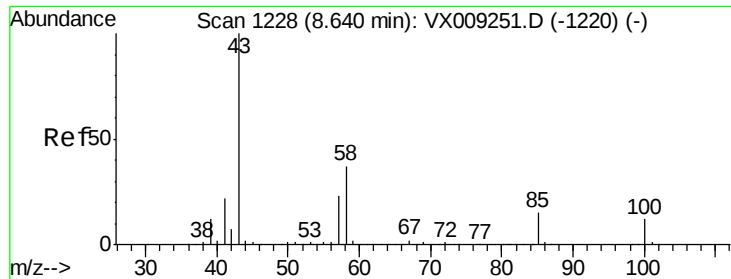


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

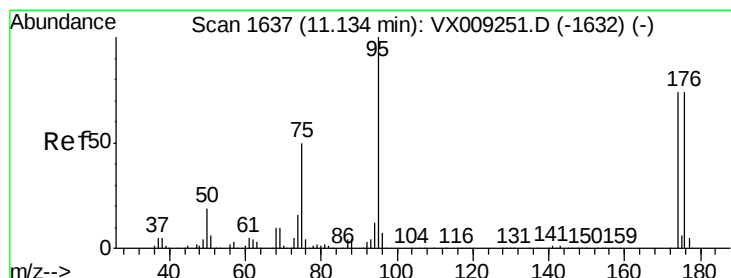
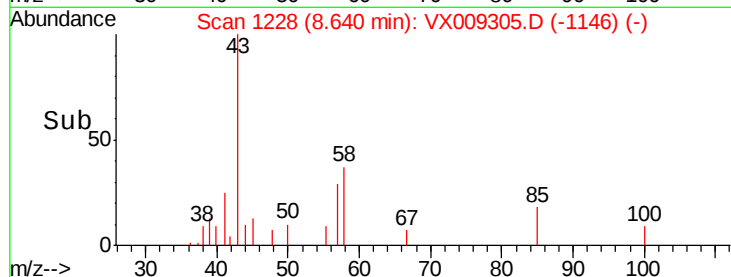
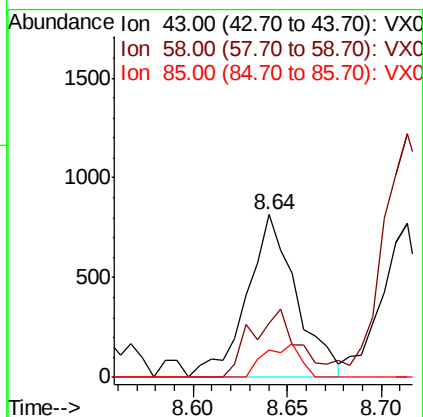
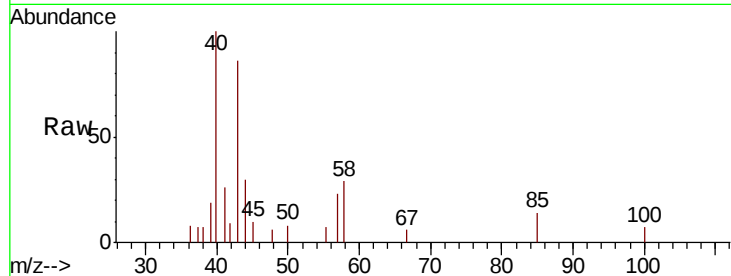




#58
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

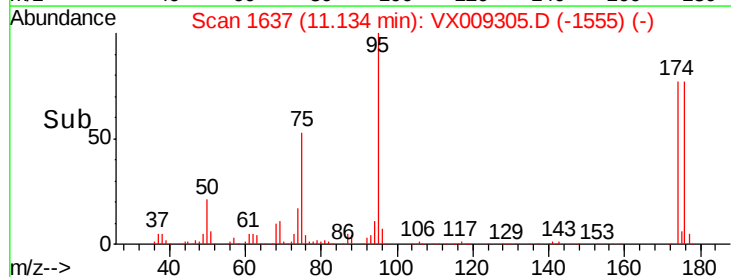
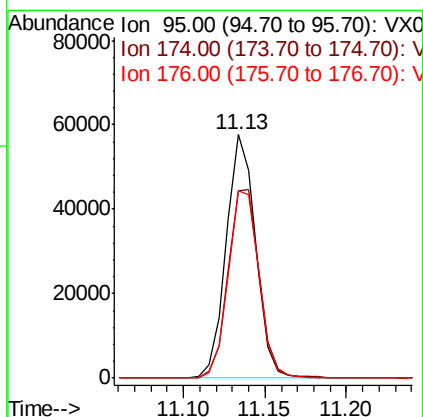
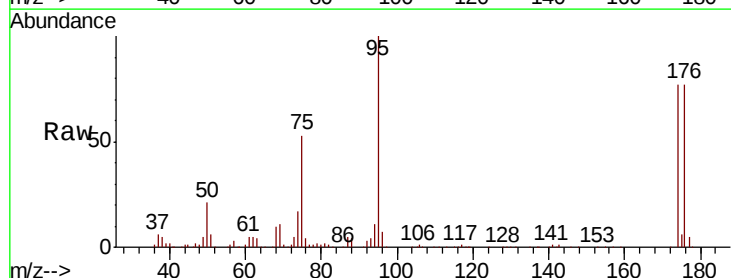
Instrument :
MSVOA_X
ClientSampleId :
55-ST-11

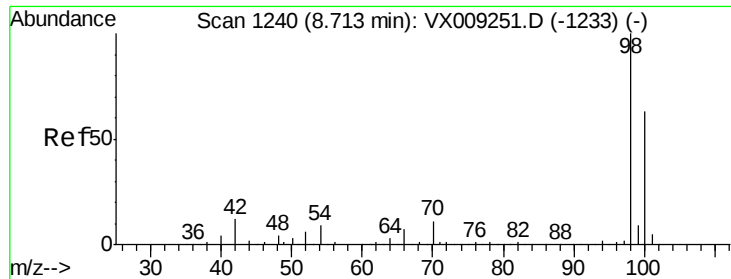
Tot Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 26.5 29.4 44.0#
85 14.4 11.8 17.8



#60
4-Bromofluorobenzene
Concen: 27.680 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009305.D
Acq: 03 May 2019 12:20

Tgt Ion: 95 Resp: 72251
Ion Ratio Lower Upper
95 100
174 81.5 63.6 95.4
176 80.1 62.4 93.6





#63

Toluene-d8

Concen: 30.109 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009305.D

Acq: 03 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

55-ST-11

Tot Ion: 98 Resp: 219284

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5

