

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008501.D
 Acq On : 27 Mar 2019 22:26
 Operator : JC/SP
 Sample : K2135-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-6

Quant Time: Mar 28 02:12:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	35984	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	201311	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	172921	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89249	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.13	95	85736	28.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.87%
63) Toluene-d8	8.71	98	253310	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

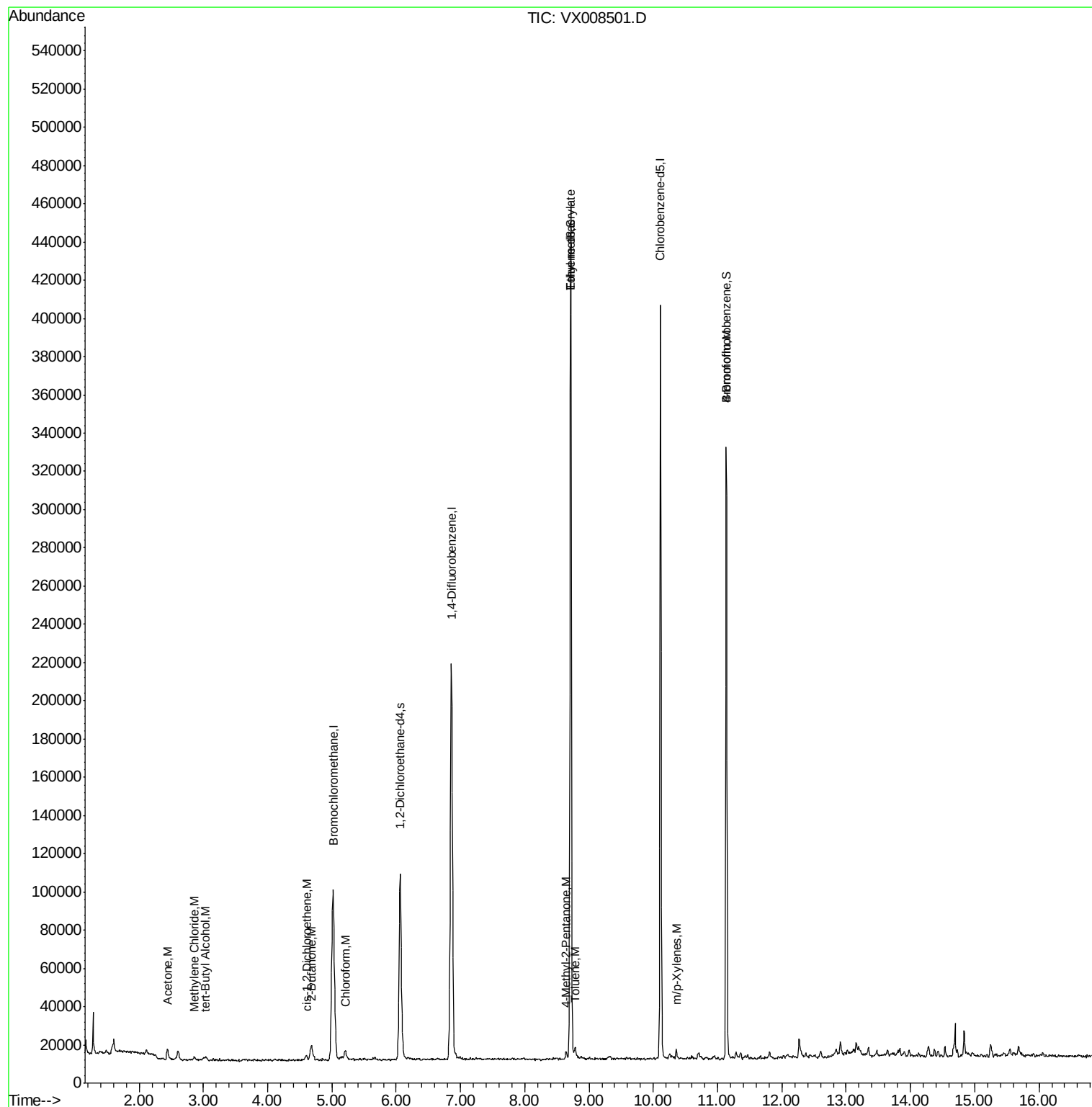
					Ovalue
15) Acetone	2.44	58	2235	4.245 ug/l	93
18) Methylene Chloride	2.85	84	681	0.250 ug/l	94
22) cis-1,2-Dichloroethene	4.60	96	1123	0.399 ug/l #	77
23) tert-Butyl Alcohol	3.04	59	1891	2.743 ug/l #	96
25) Chloroform	5.21	83	4975	1.098 ug/l	97
30) 2-Butanone	4.68	43	12698	5.099 ug/l #	90
51) Ethyl methacrylate	8.72	69	976	0.208 ug/l	90
56) Bromoform	11.14	173	767	0.423 ug/l #	1
58) 4-Methyl-2-Pentanone	8.65	43	2793	0.612 ug/l	95
62) Toluene	8.79	91	2822	0.270 ug/l	95
67) m/p-Xylenes	10.36	106	964	0.227 ug/l	82

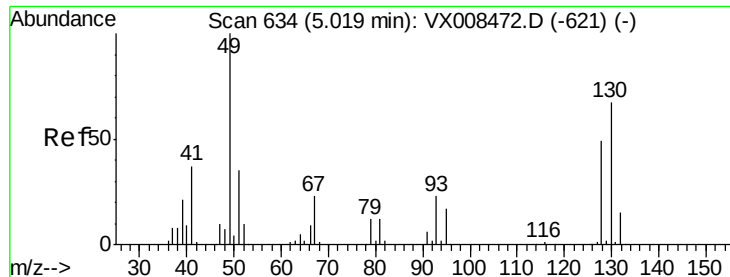
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
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Instrument :
MSVOA_X
ClientSampleId :
55-ST-6

Quant Time: Mar 28 02:12:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008501.D

Acq: 27 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampled :

55-ST-6

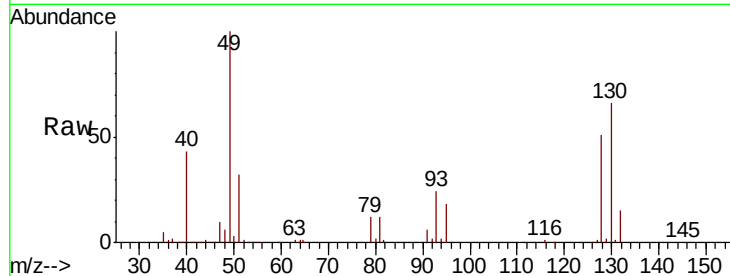
Tot Ion:128 Resp: 35984

Ion Ratio Lower Upper

128 100

49 201.9 0.0 350.8

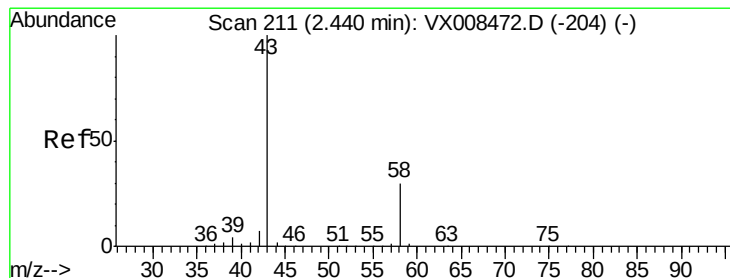
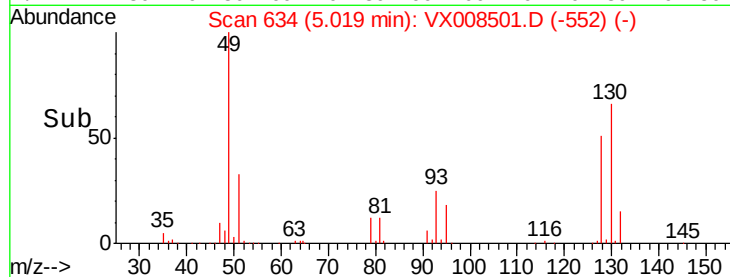
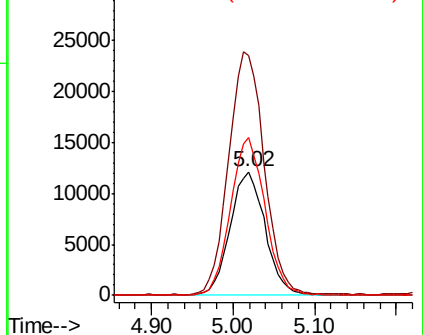
130 126.1 0.0 325.8



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



#15

Acetone

Concen: 4.245 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008501.D

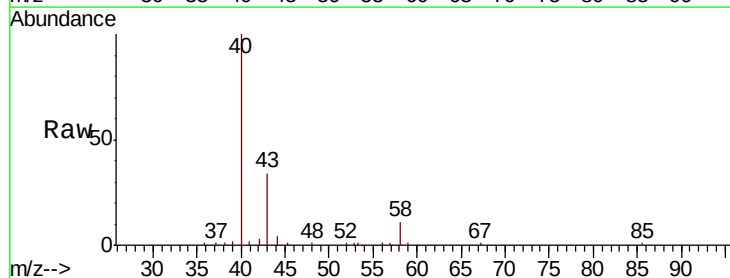
Acq: 27 Mar 2019 22:26

Tgt Ion: 58 Resp: 2235

Ion Ratio Lower Upper

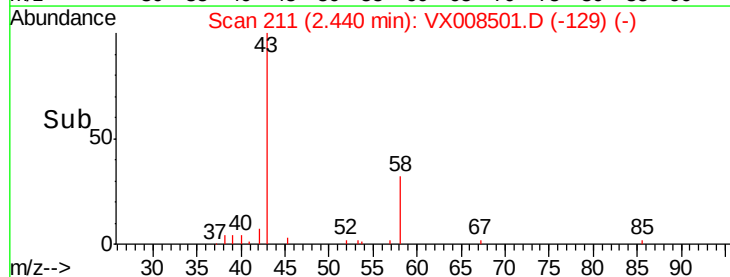
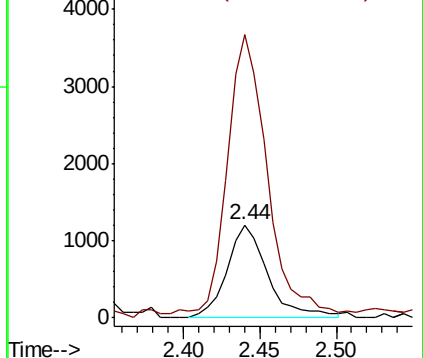
58 100

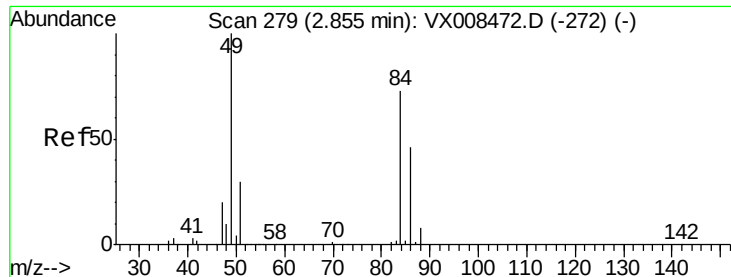
43 297.7 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

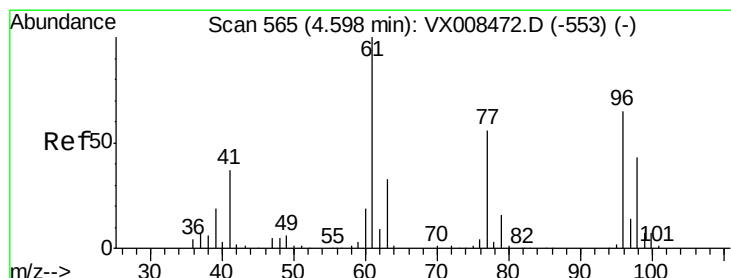
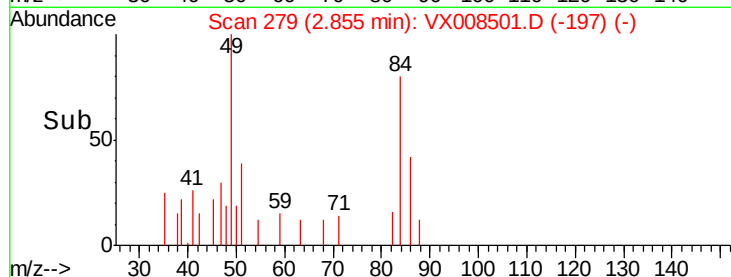
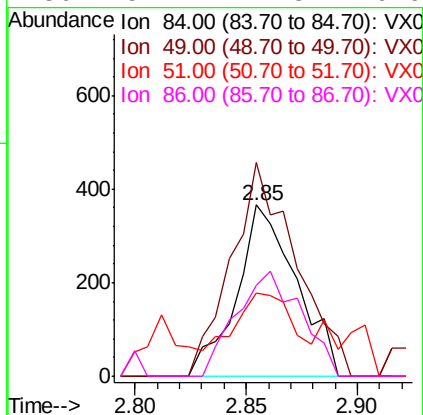
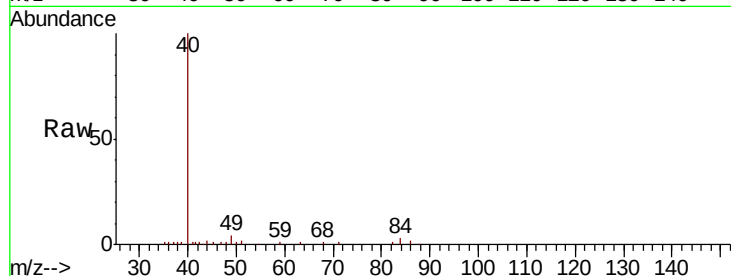




#18
Methvlene Chloride
Concen: 0.250 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008501.D
Acq: 27 Mar 2019 22:26

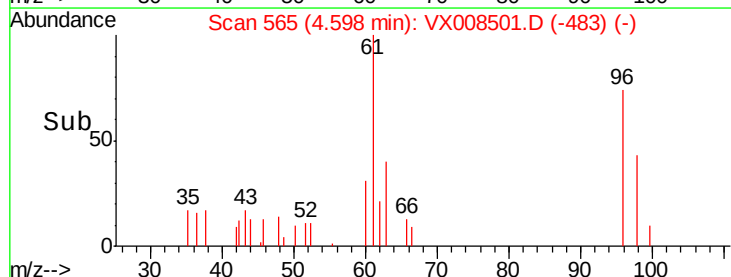
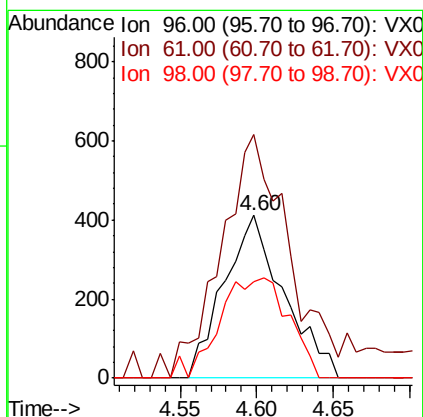
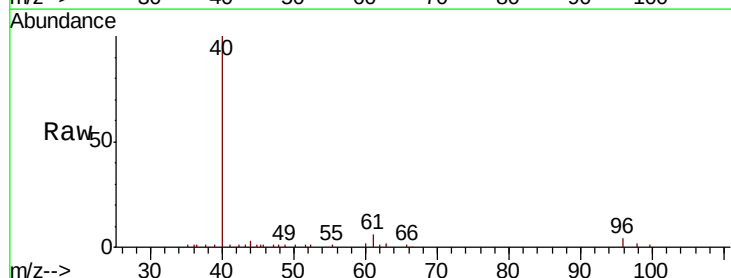
Instrument :
MSVOA_X
ClientSampleId :
55-ST-6

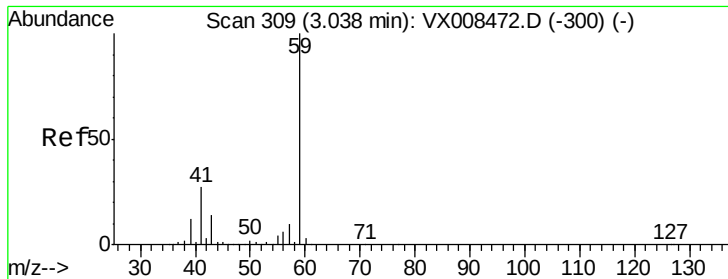
Tot Ion:	84	Resp:	681
Ion	Ratio	Lower	Upper
84	100		
49	124.9	96.1	144.1
51	33.1	29.1	43.7
86	52.7	47.3	70.9



#22
cis-1,2-Dichloroethene
Concen: 0.399 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008501.D
Acq: 27 Mar 2019 22:26

Tgt Ion:	96	Resp:	1123
Ion	Ratio	Lower	Upper
96	100		
61	115.9	103.5	155.3
98	29.8	52.1	78.1#



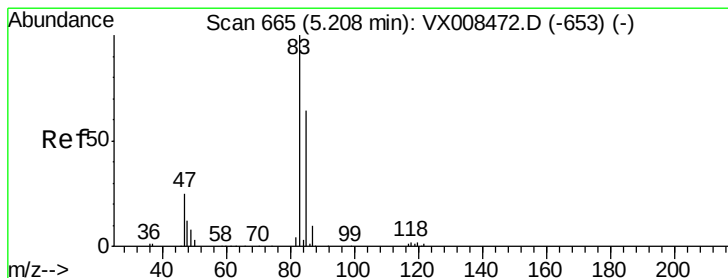
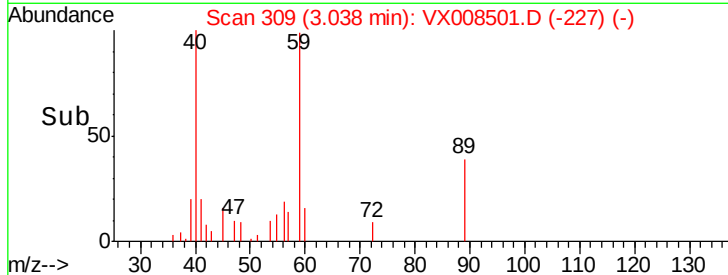
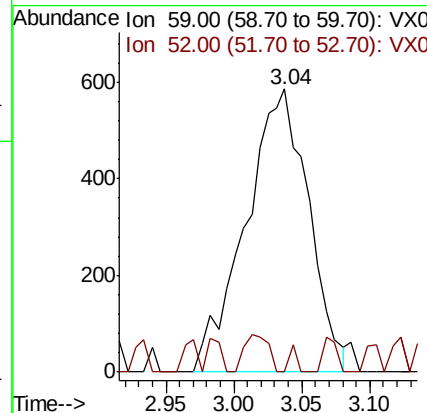
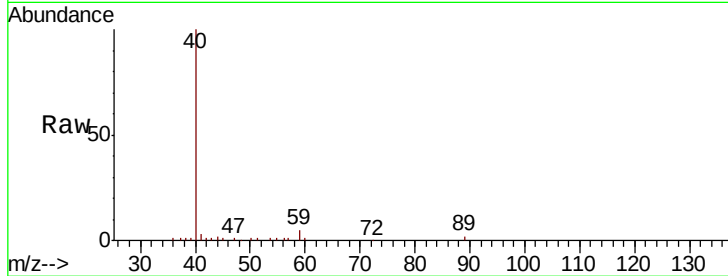


#23

tert-Butyl Alcohol
 Concen: 2.743 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Instrument :
 MSVOA_X
 ClientSampled :
 55-ST-6

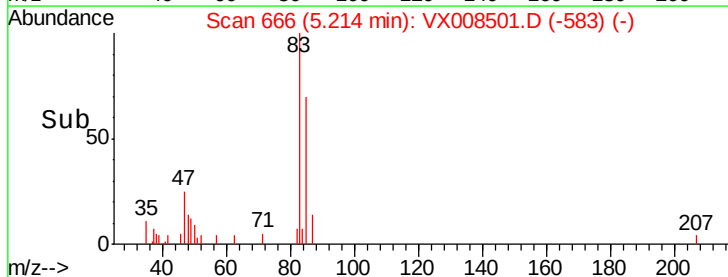
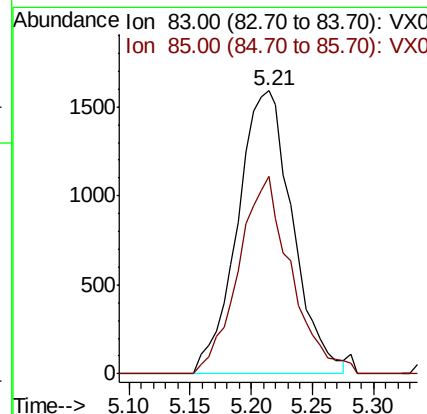
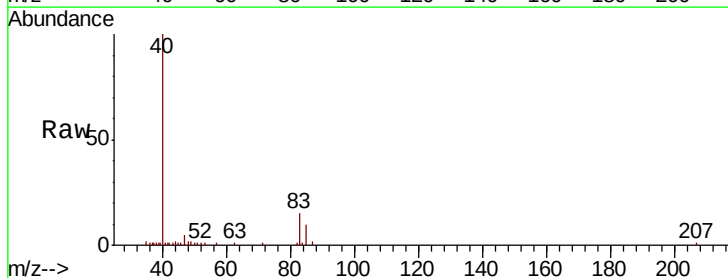
Tot Ion: 59 Resp: 1891
 Ion Ratio Lower Upper
 59 100
 52 5.0 0.2 0.2#

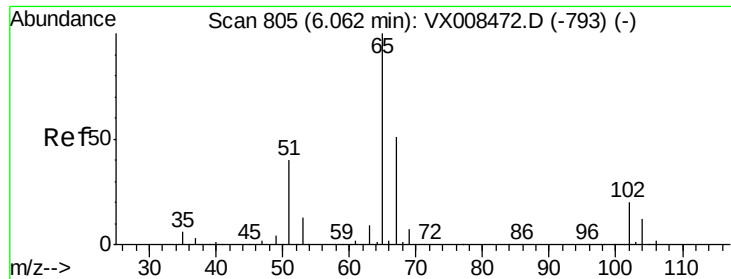


#25

Chloroform
 Concen: 1.098 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Tgt Ion: 83 Resp: 4975
 Ion Ratio Lower Upper
 83 100
 85 69.7 53.8 80.6

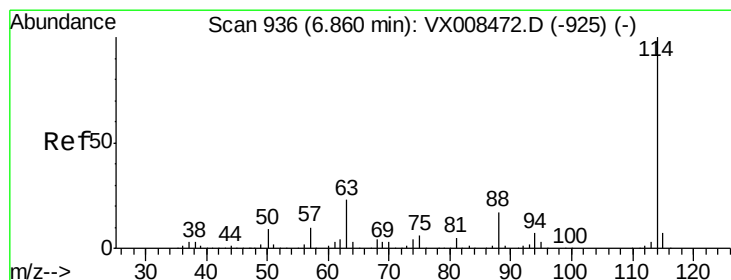
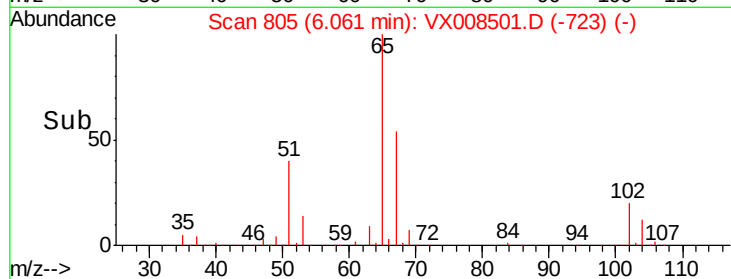
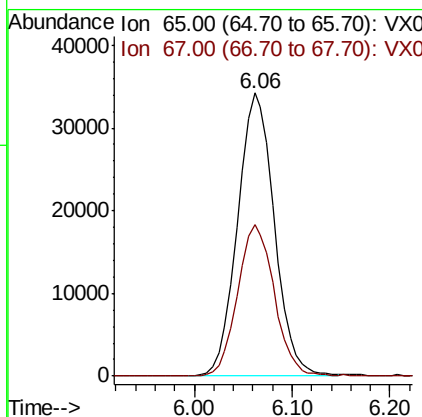
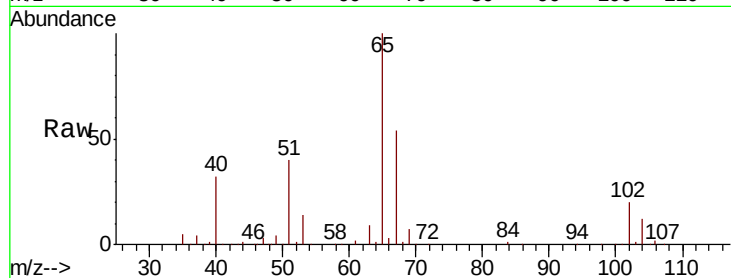




#27
 1,2-Dichloroethane-d4
 Concen: 29.649 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

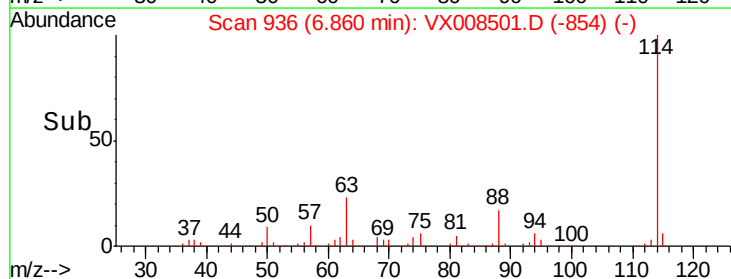
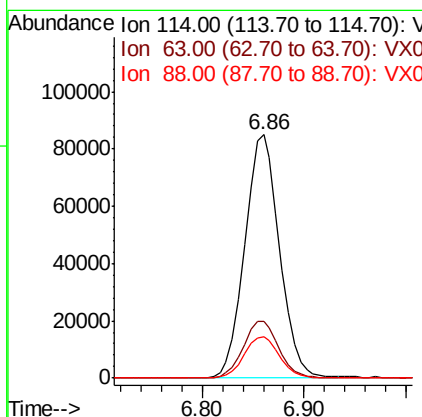
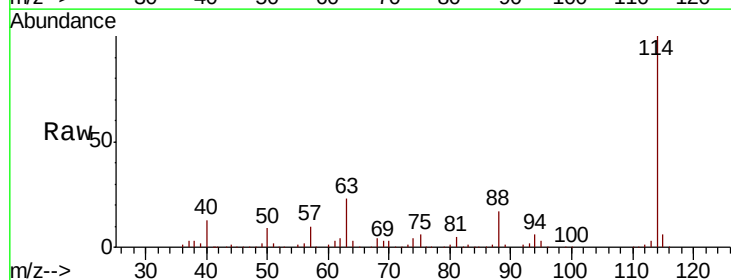
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-6

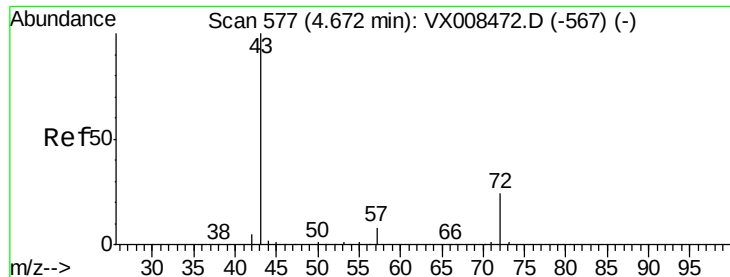
Tot Ion: 65 Resp: 89249
 Ion Ratio Lower Upper
 65 100
 67 53.4 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Tgt Ion: 114 Resp: 201311
 Ion Ratio Lower Upper
 114 100
 63 23.9 14.2 21.4#
 88 17.3 11.9 17.9

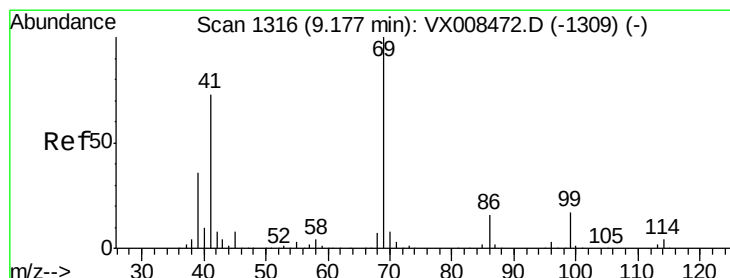
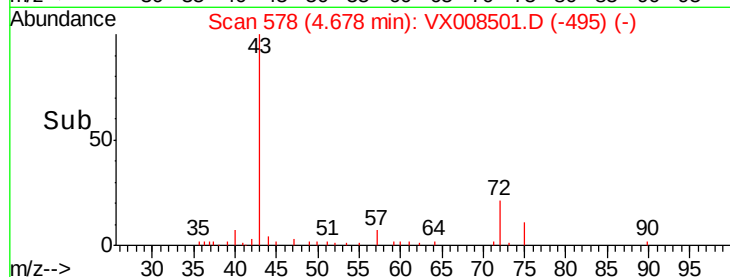
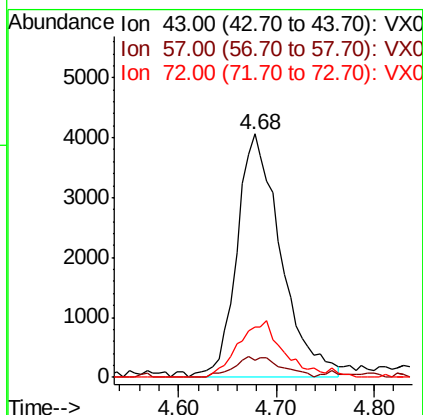
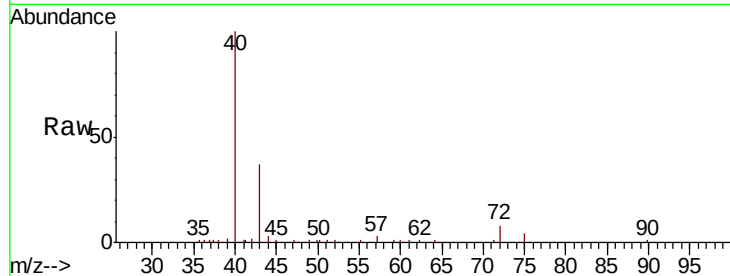




#30
2-Butanone
Concen: 5.099 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX008501.D
Acq: 27 Mar 2019 22:26

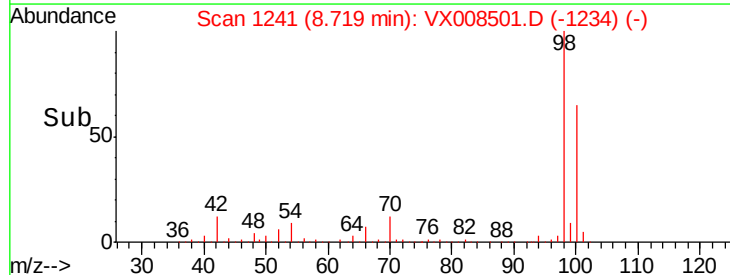
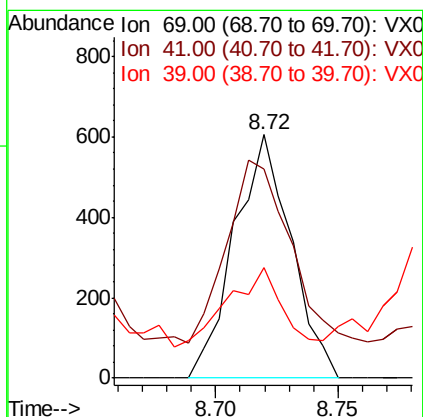
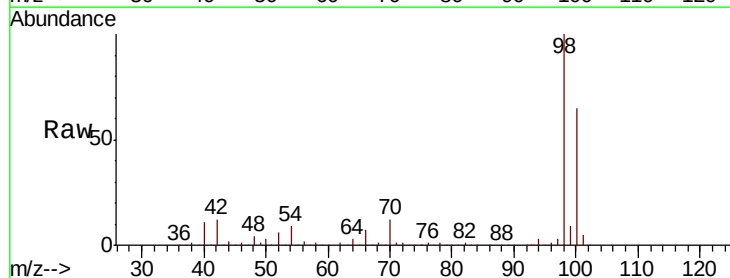
Instrument :
MSVOA_X
ClientSampled :
55-ST-6

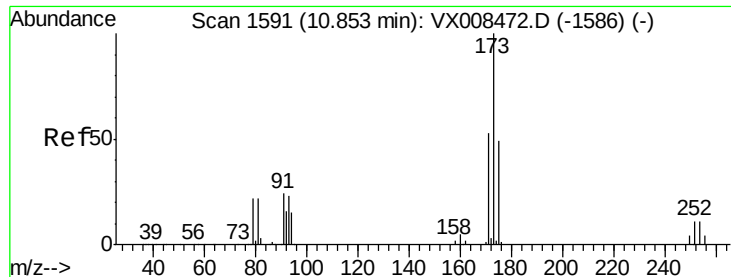
Tot Ion: 43 Resp: 12698
Ion Ratio Lower Upper
43 100
57 4.3 7.0 10.6#
72 22.4 21.5 32.3



#51
Ethyl methacrylate
Concen: 0.208 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.46 min
Lab File: VX008501.D
Acq: 27 Mar 2019 22:26

Tgt Ion: 69 Resp: 976
Ion Ratio Lower Upper
69 100
41 71.3 32.1 96.5
39 30.0 18.8 56.3





#56

Bromoform

Concen: 0.423 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.29 min

Lab File: VX008501.D

Acq: 27 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

55-ST-6

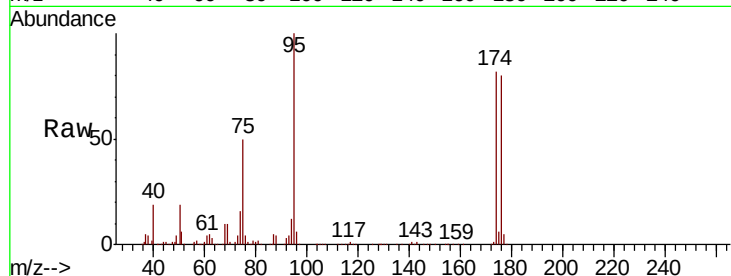
Tot Ion:173 Resp: 767

Ion Ratio Lower Upper

173 100

175 640.7 38.5 57.7#

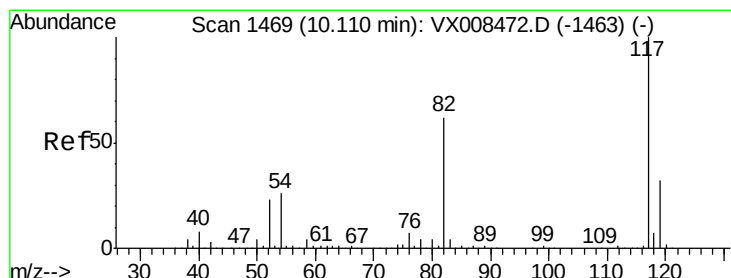
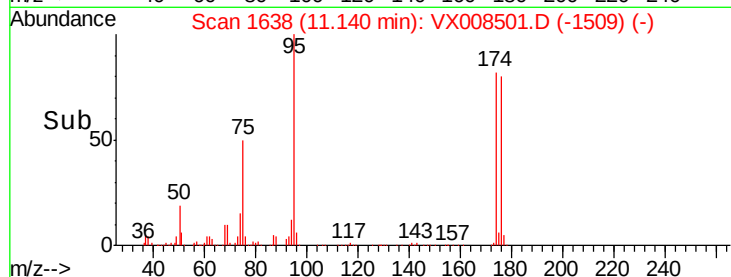
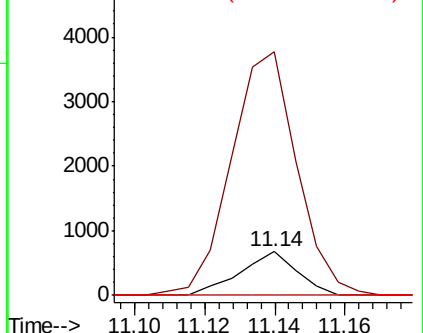
254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008501.D

Acq: 27 Mar 2019 22:26

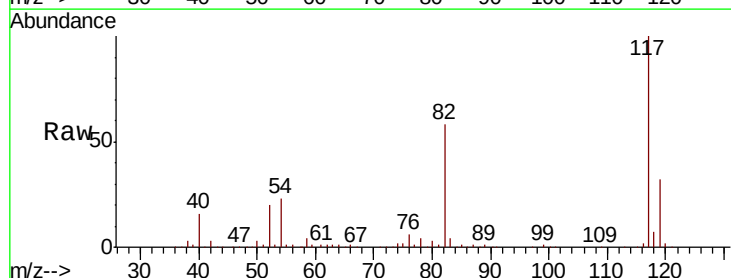
Tgt Ion:117 Resp: 172921

Ion Ratio Lower Upper

117 100

82 61.1 40.4 60.6#

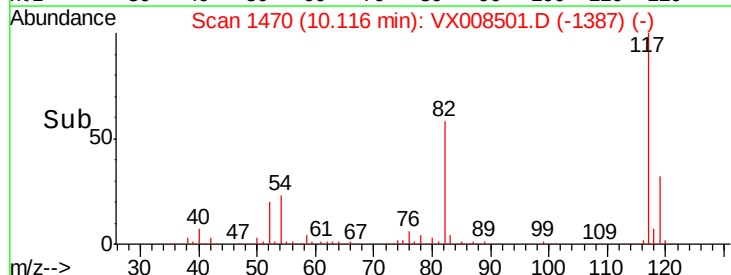
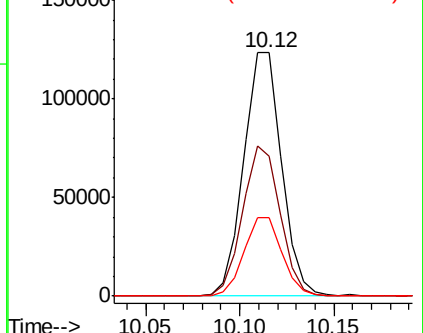
119 32.2 25.8 38.6

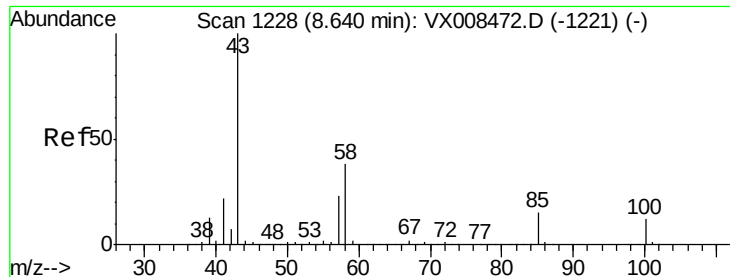


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

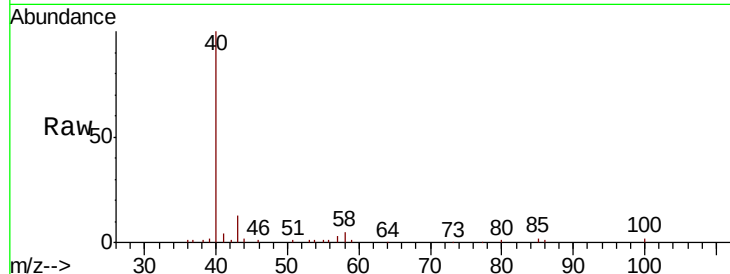




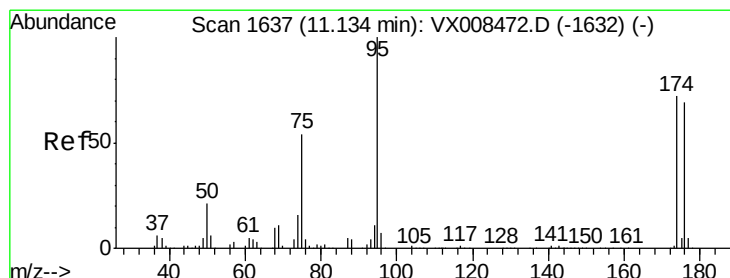
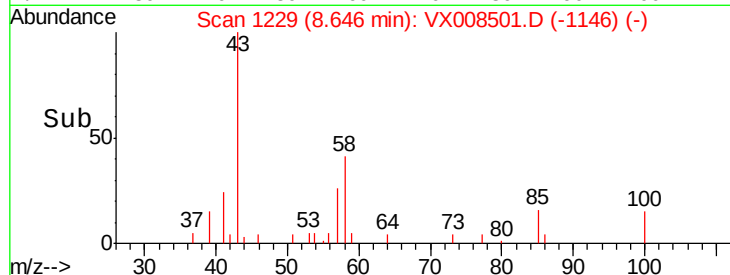
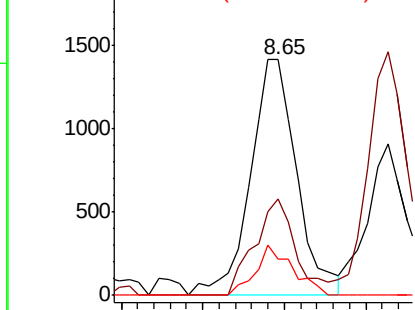
#58
 4-Methyl-2-Pentanone
 Concen: 0.612 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-6

Tot Ion: 43 Resp: 2793
 Ion Ratio Lower Upper
 43 100
 58 36.3 31.4 47.0
 85 16.9 15.0 22.6

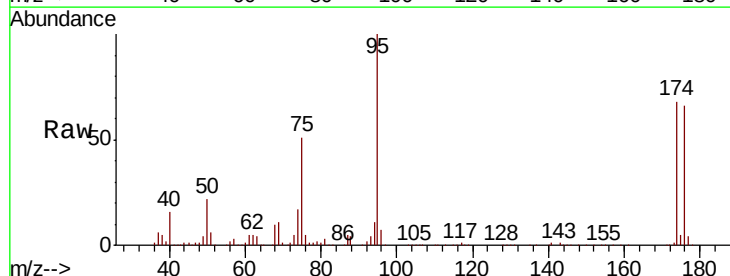


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

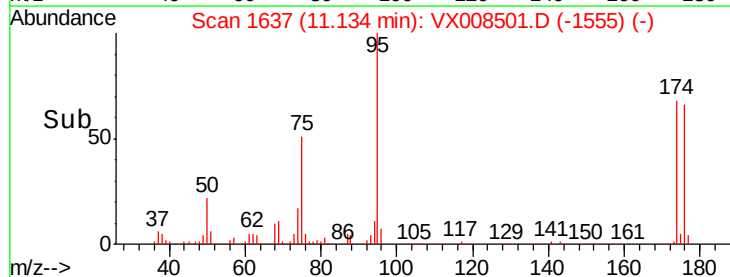
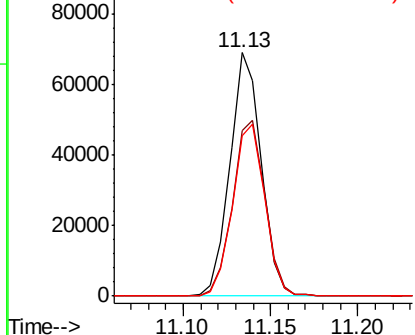


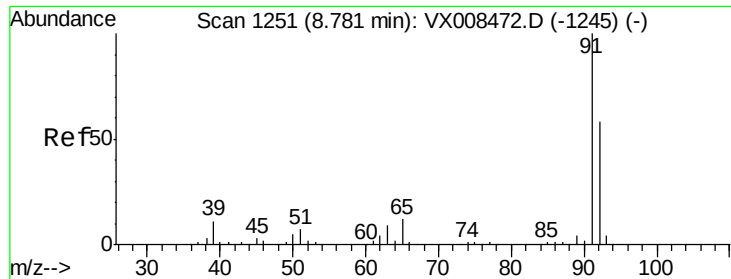
#60
 4-Bromofluorobenzene
 Concen: 28.457 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Tgt Ion: 95 Resp: 85736
 Ion Ratio Lower Upper
 95 100
 174 75.1 74.9 112.3
 176 73.0 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 0.270 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008501.D

Acq: 27 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

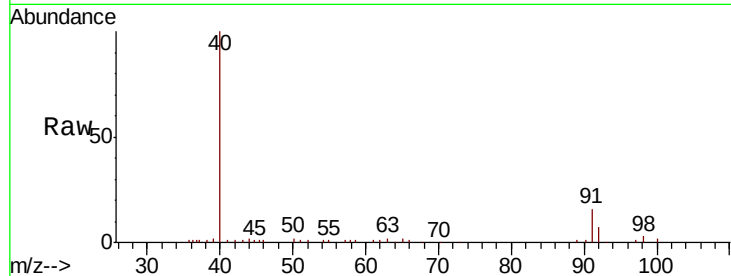
55-ST-6

Tot Ion: 91 Resp: 2822

Ion Ratio Lower Upper

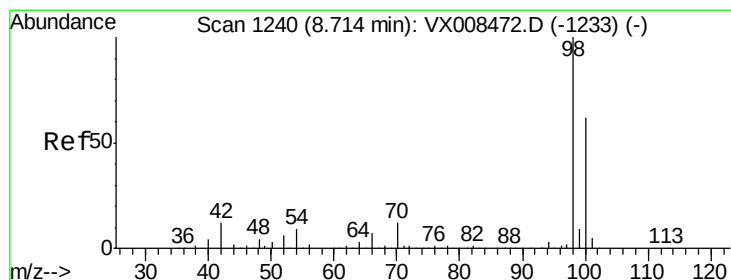
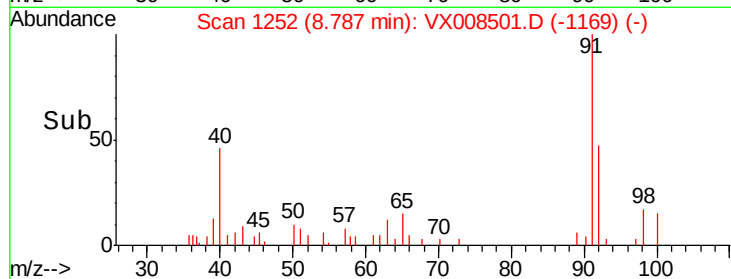
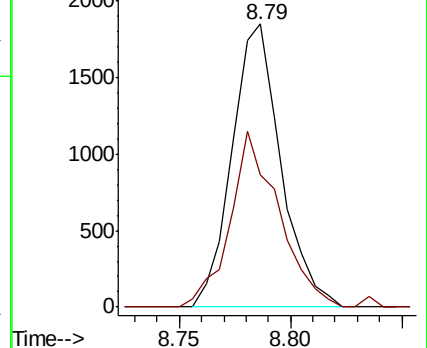
91 100

92 61.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 30.861 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008501.D

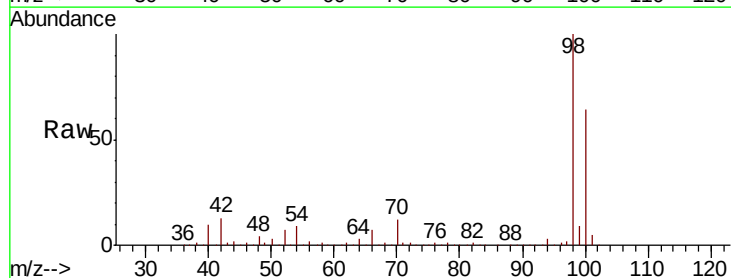
Acq: 27 Mar 2019 22:26

Tgt Ion: 98 Resp: 253310

Ion Ratio Lower Upper

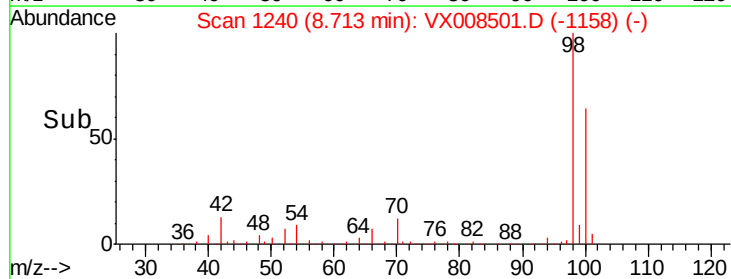
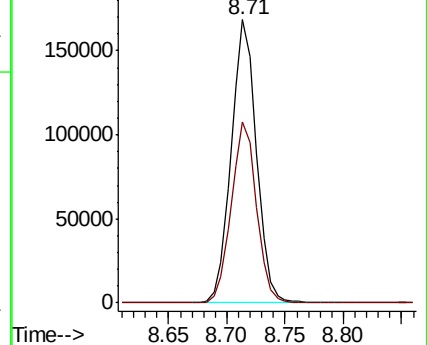
98 100

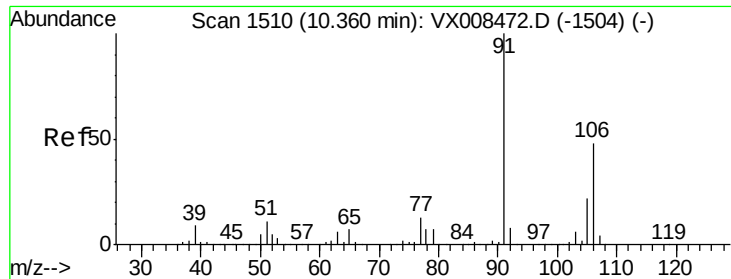
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#67
 m/p-Xvlenes
 Concen: 0.227 ug/l
 RT: 10.36 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VX008501.D
 Acq: 27 Mar 2019 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-6

Tot Ion:106 Resp: 964
 Ion Ratio Lower Upper
 106 100
 91 223.7 157.0 235.4

