

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009313.D
 Acq On : 03 May 2019 16:40
 Operator : JC/SP
 Sample : K2663-07 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0517-190429

Quant Time: May 03 23:18:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	128111	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	5.50	113	93454	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.71	98	387276	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	122882	43.34	ug/l	0.00
Spiked Amount			Recovery	=	86.68%	

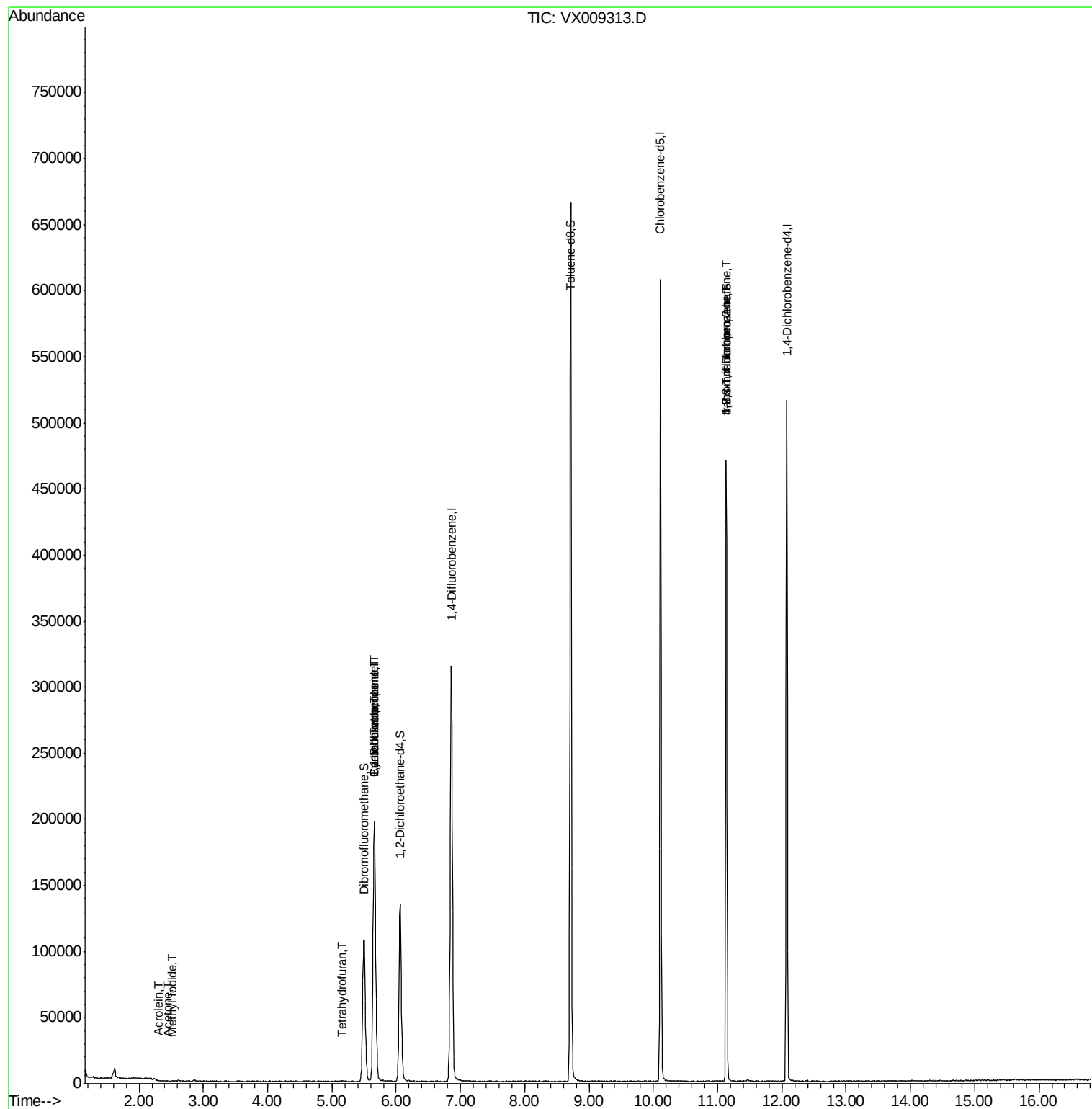
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	198	4.680	ug/l #	90
13) Acrolein	2.29	56	171	0.310	ug/l #	1
16) Acetone	2.45	43	626	0.443	ug/l	96
28) Bromochloromethane	5.00	49	81	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	681	0.482	ug/l #	67
31) Cyclohexane	5.66	56	4224	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14806	5.182	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18089	6.968	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	62905	25.868	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62905	66.187	ug/l #	10

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

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Misc : 5.0mL/MSVOA X/WATER
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Quant Time: May 03 23:18:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009313.D

Acq: 03 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

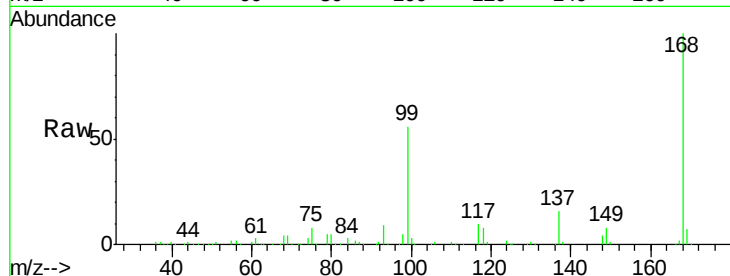
DUP-0517-190429

Tot Ion:168 Resp: 192760

Ion Ratio Lower Upper

168 100

99 56.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

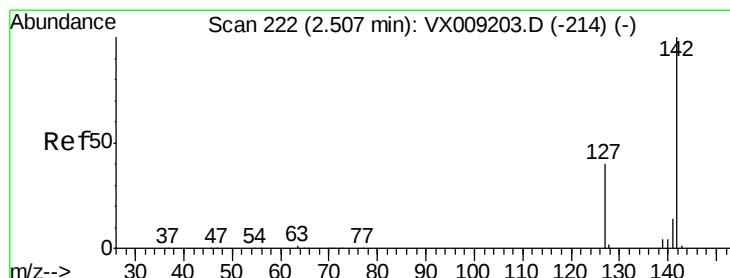
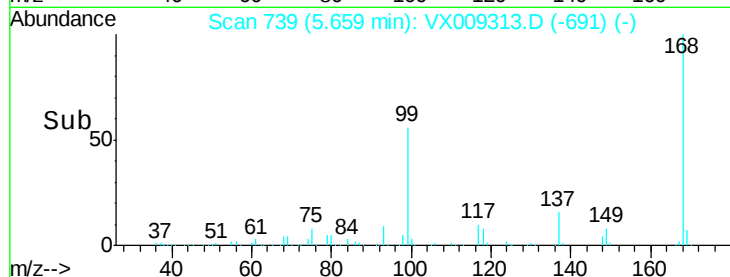
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.680 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009313.D

Acq: 03 May 2019 16:40

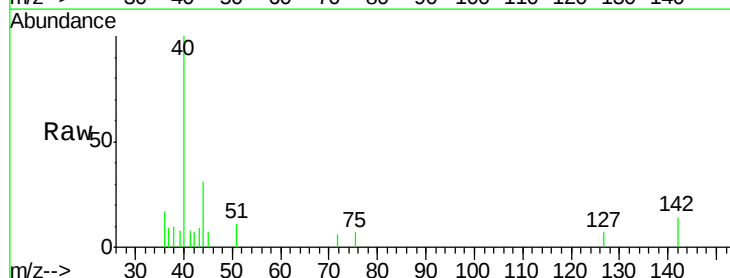
Tgt Ion:142 Resp: 198

Ion Ratio Lower Upper

142 100

127 41.4 32.7 49.1

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

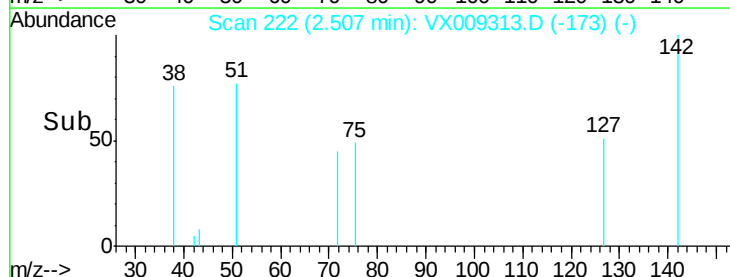
150

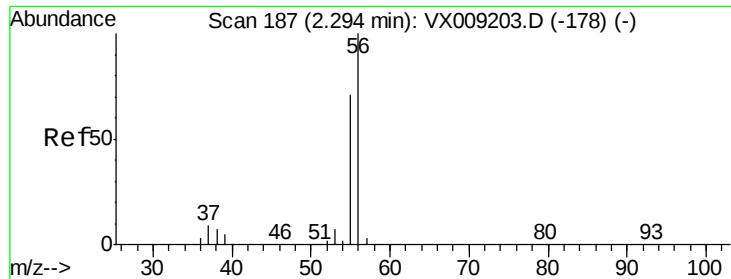
100

50

0

Time--> 2.50 2.55





#13

Acrolein

Concen: 0.310 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009313.D

Acq: 03 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

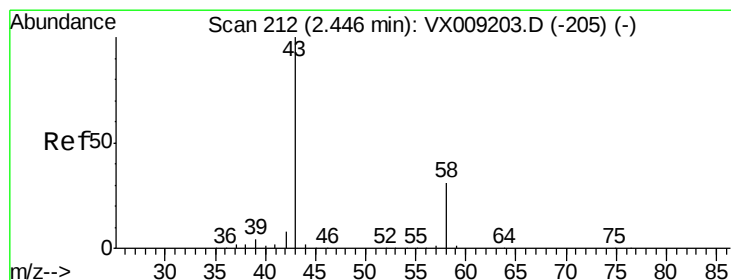
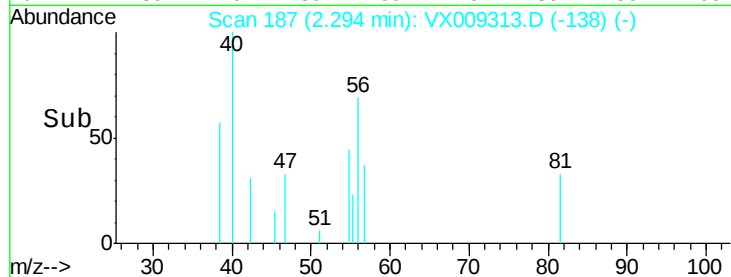
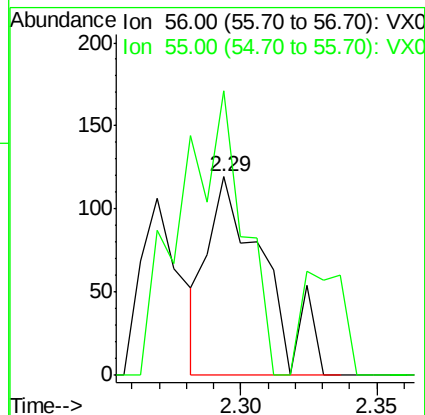
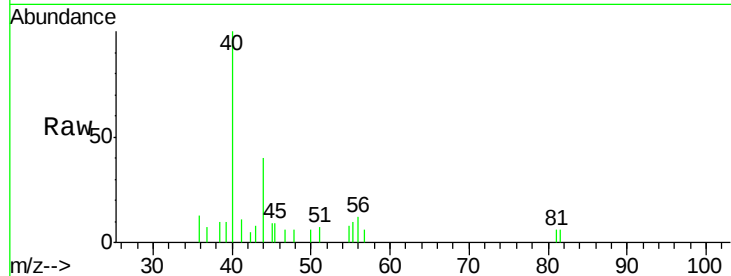
DUP-0517-190429

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 157.9 56.6 85.0#



#16

Acetone

Concen: 0.443 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009313.D

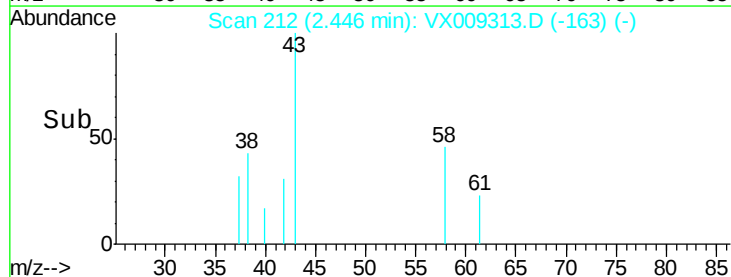
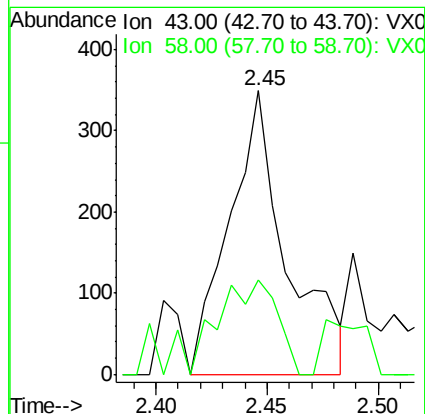
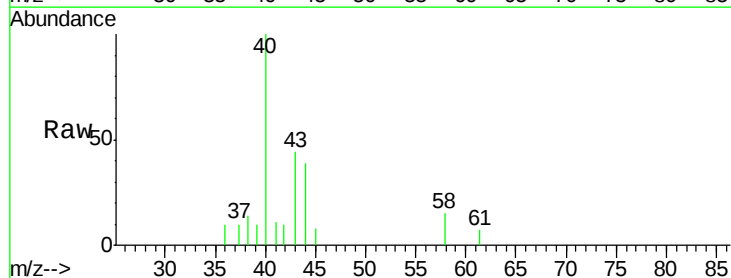
Acq: 03 May 2019 16:40

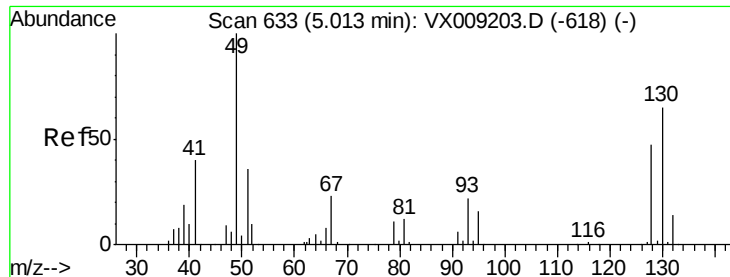
Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 33.5 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009313.D

Acq: 03 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

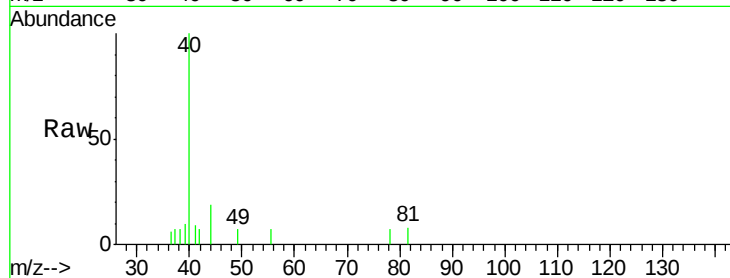
Tot Ion: 49 Resp: 81

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

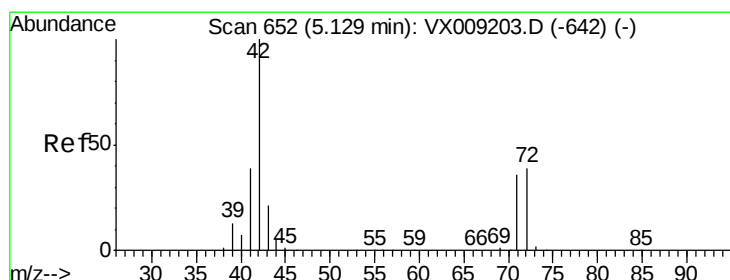
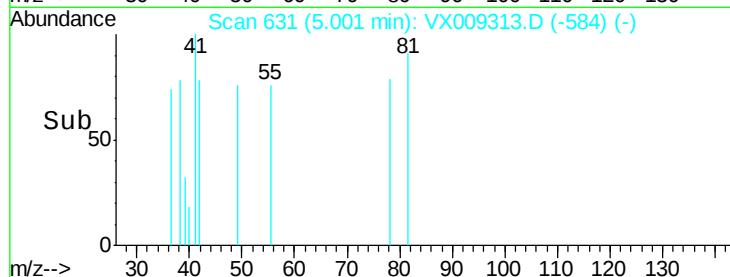
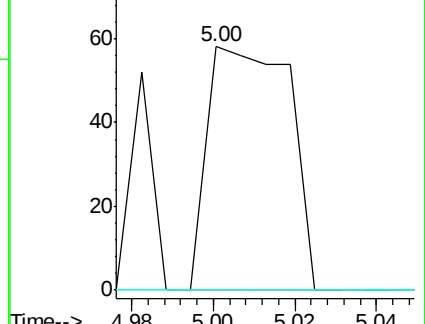
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.482 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009313.D

Acq: 03 May 2019 16:40

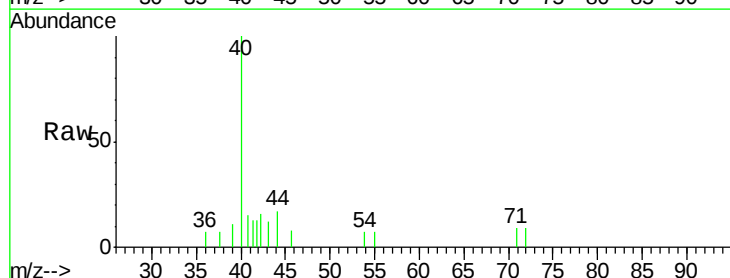
Tgt Ion: 42 Resp: 681

Ion Ratio Lower Upper

42 100

72 18.4 30.4 45.6#

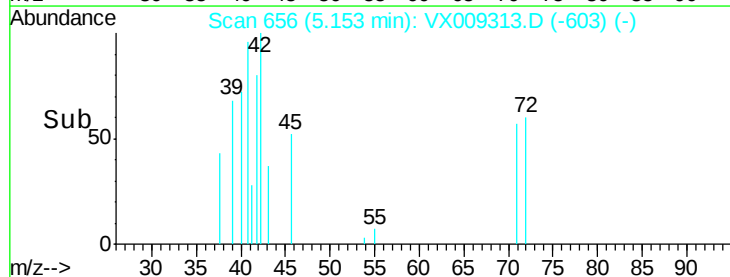
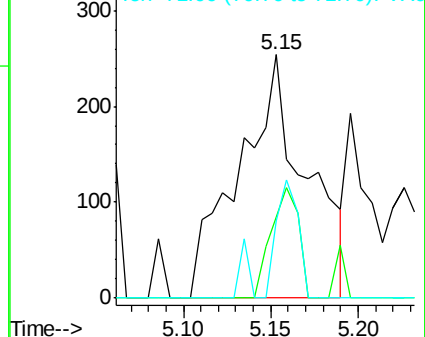
71 15.7 28.6 43.0#

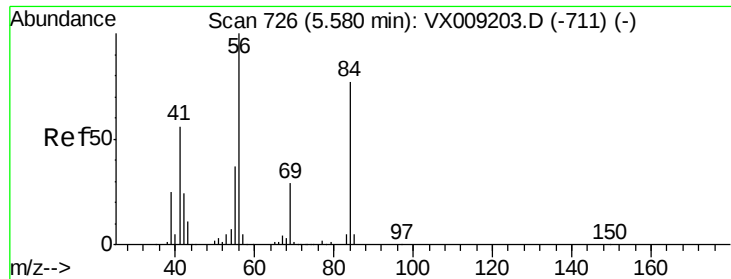


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

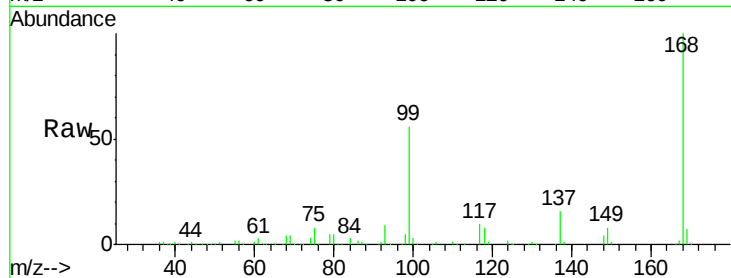




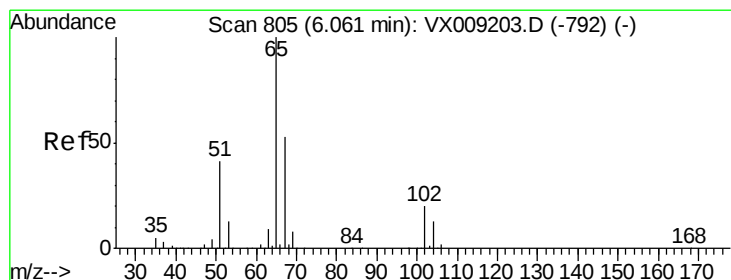
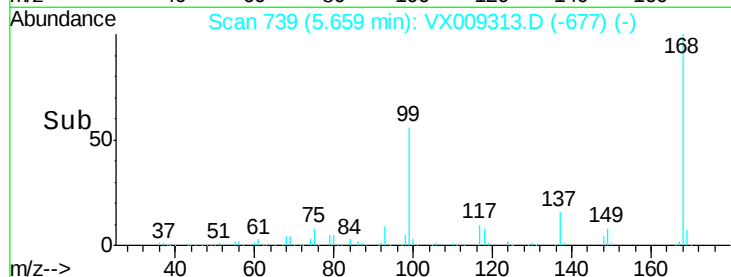
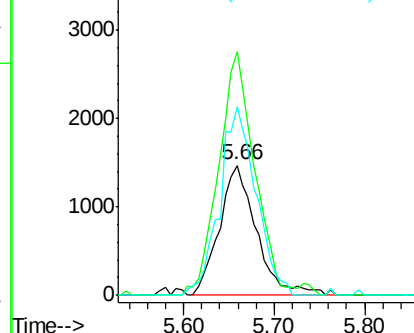
#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
DUP-0517-190429

Tot Ion: 56 Resp: 4224
Ion Ratio Lower Upper
56 100
69 187.4 23.4 35.0#
84 145.1 61.9 92.9#

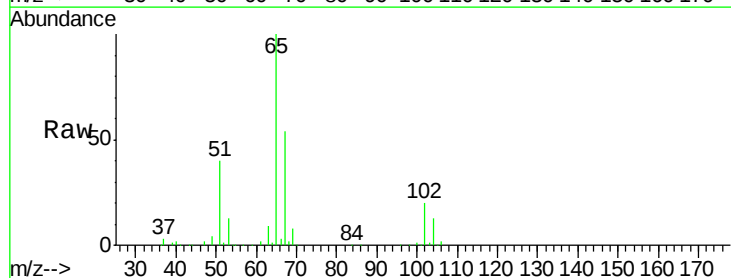


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

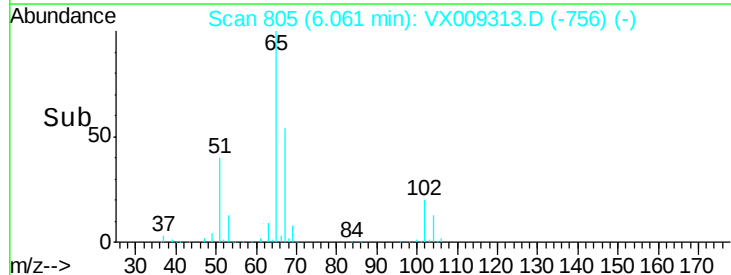
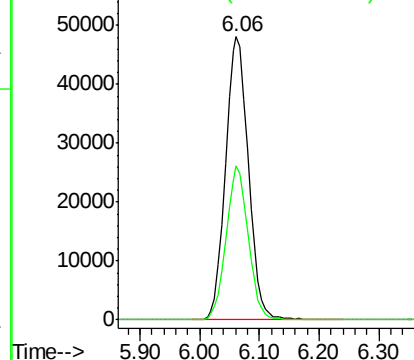


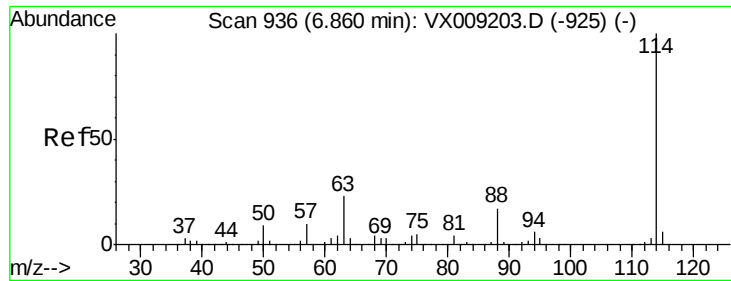
#33
1,2-Dichloroethane-d4
Concen: 48.685 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

Tgt Ion: 65 Resp: 128111
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

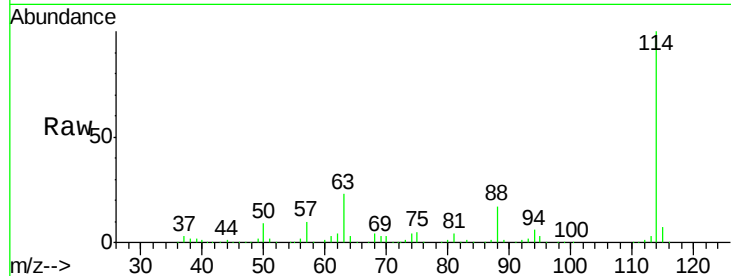




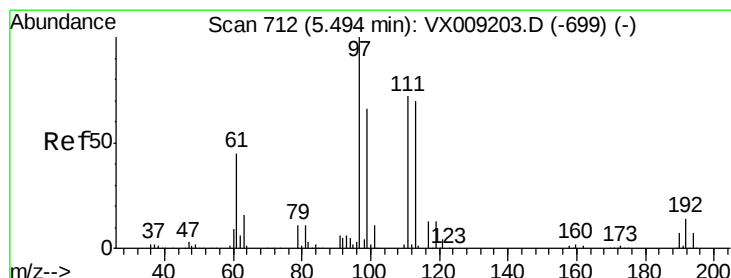
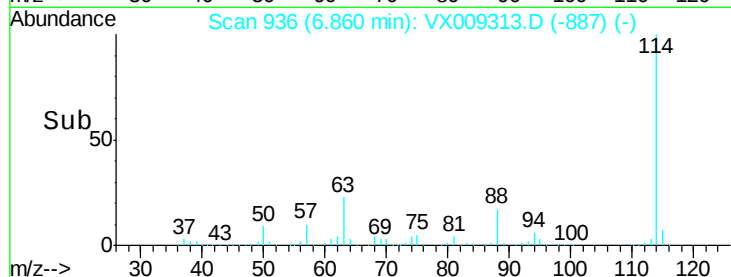
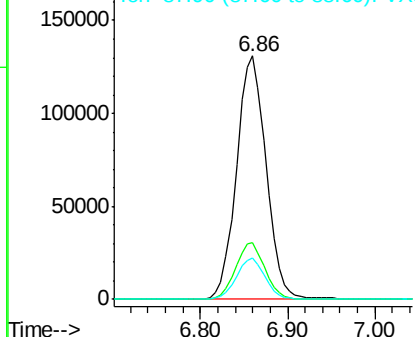
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0517-190429

Tot Ion:114 Resp: 307475
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.8 0.0 33.2

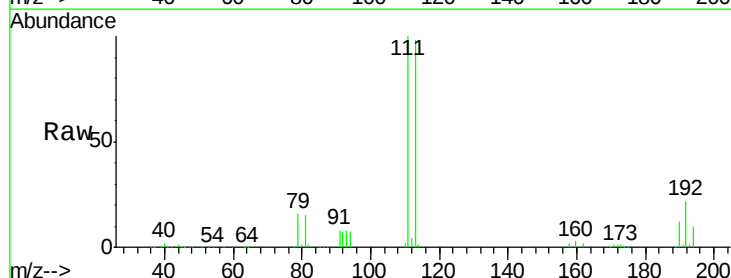


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

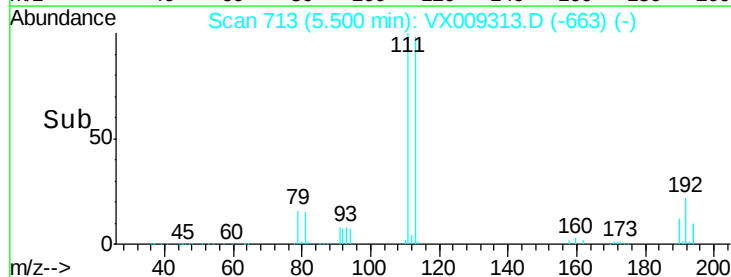
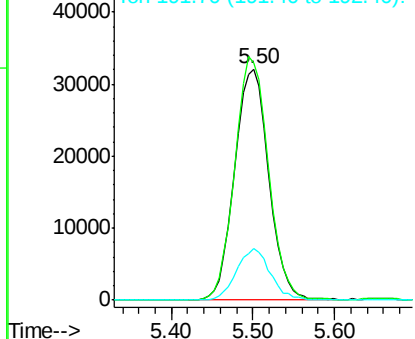


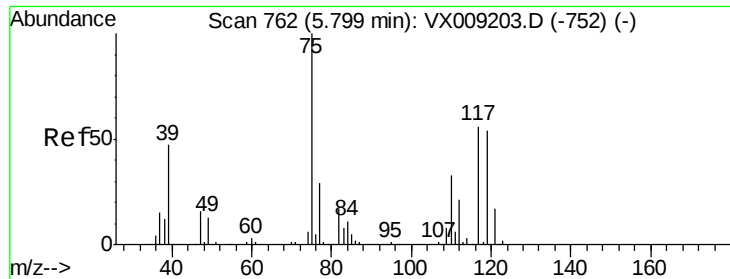
#35
 Dibromofluoromethane
 Concen: 48.349 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

Tgt Ion:113 Resp: 93454
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.8 124.2
 192 21.9 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

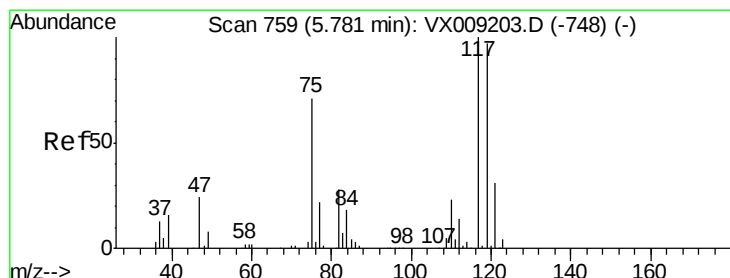
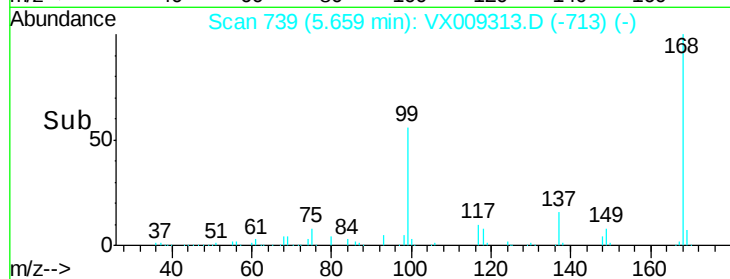
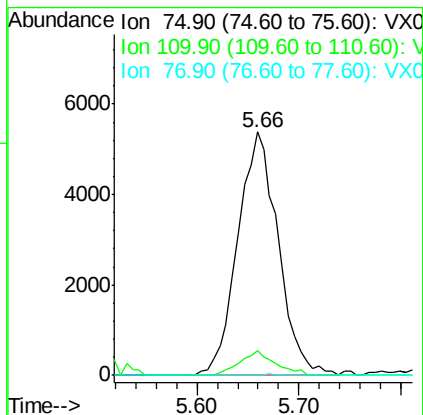
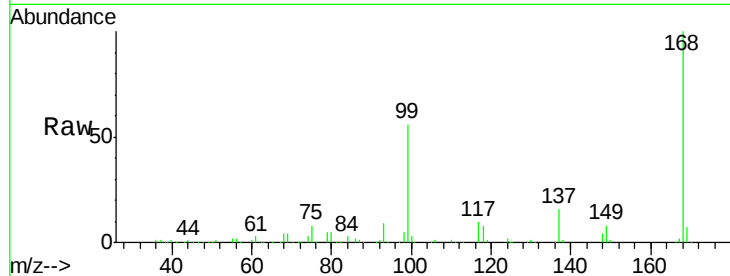




#36
 1,1-Dichloropropene
 Concen: 5.182 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

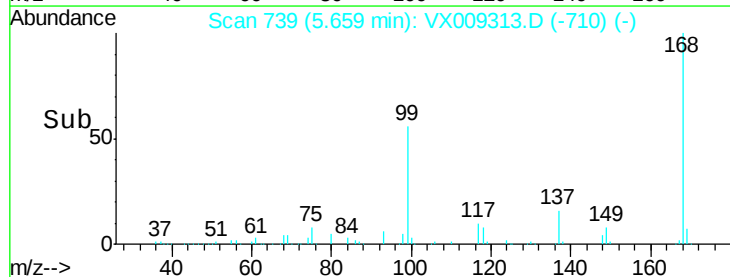
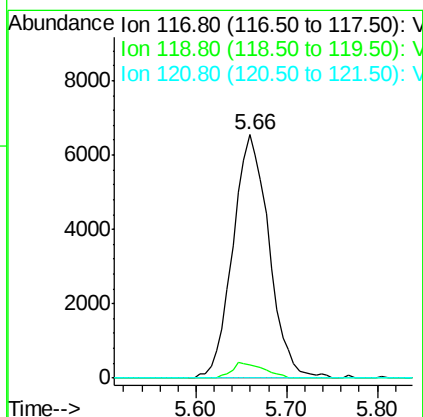
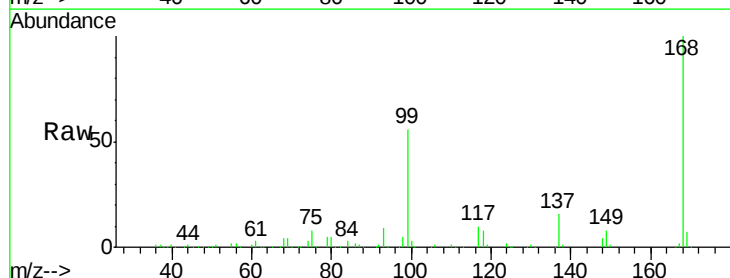
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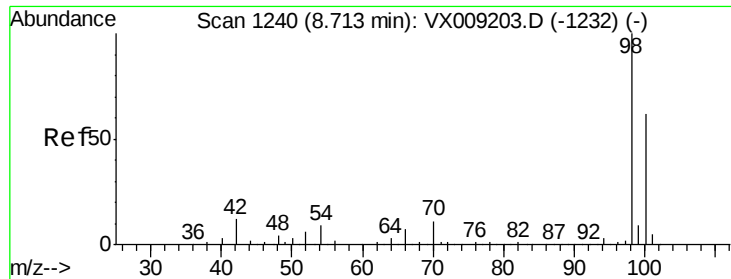
Tot Ion: 75 Resp: 14806
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.968 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

Tgt Ion: 117 Resp: 18089
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.5 116.3#
 121 0.0 24.7 37.1#

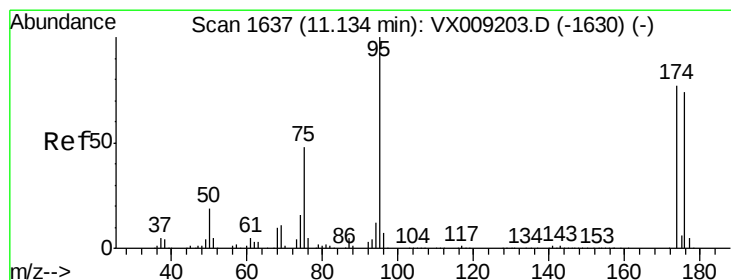
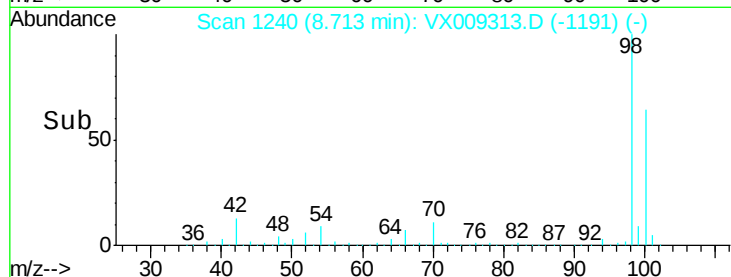
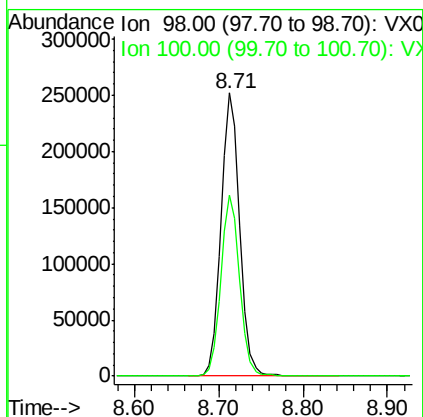
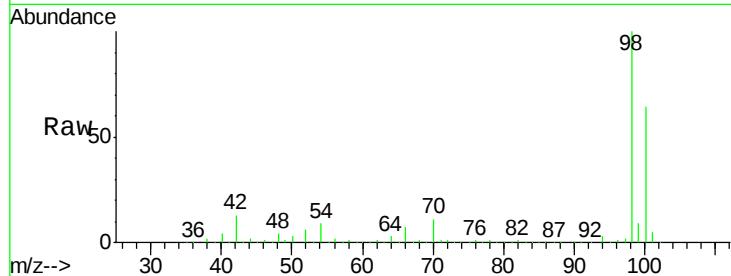




#50
Toluene-d8
Concen: 49.628 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

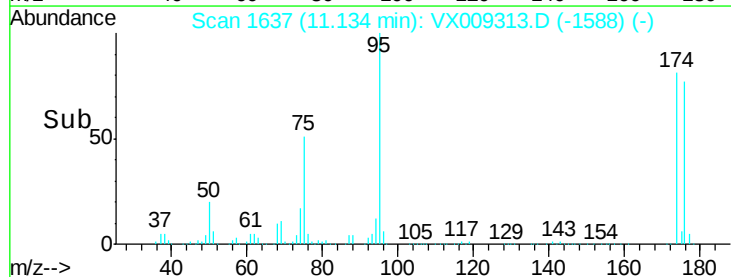
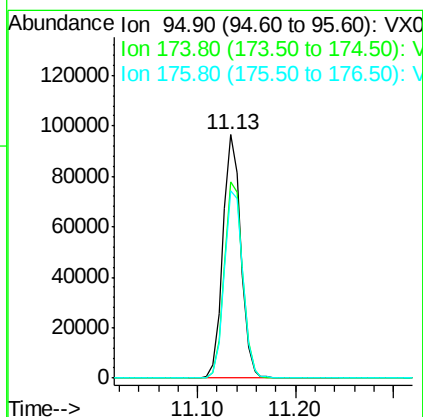
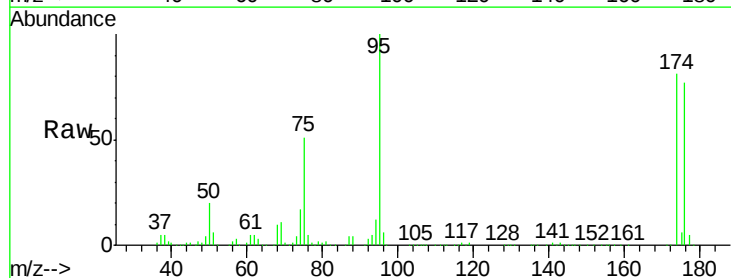
Instrument :
MSVOA_X
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DUP-0517-190429

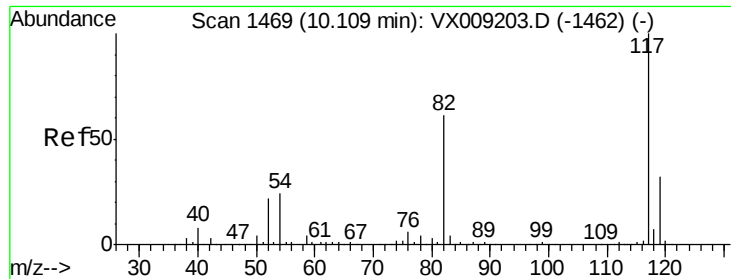
Tot Ion: 98 Resp: 387276
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 43.336 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

Tgt Ion: 95 Resp: 122882
Ion Ratio Lower Upper
95 100
174 82.5 0.0 161.6
176 80.1 0.0 159.2

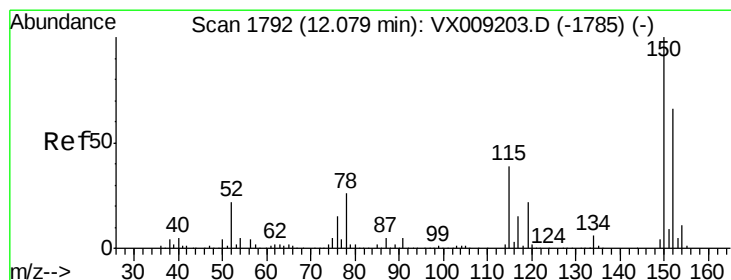
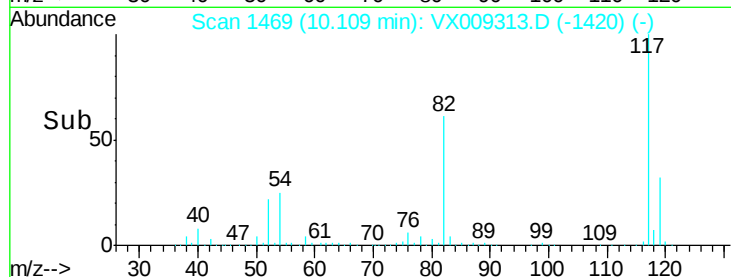
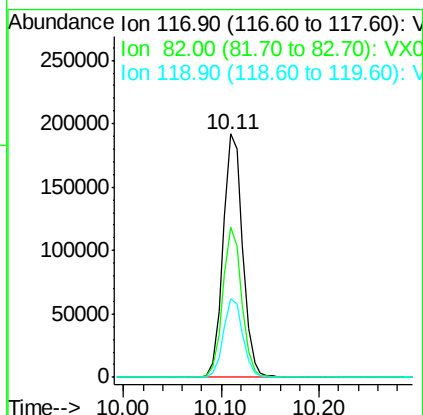
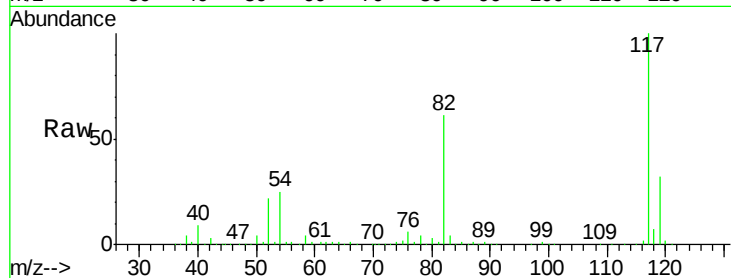




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

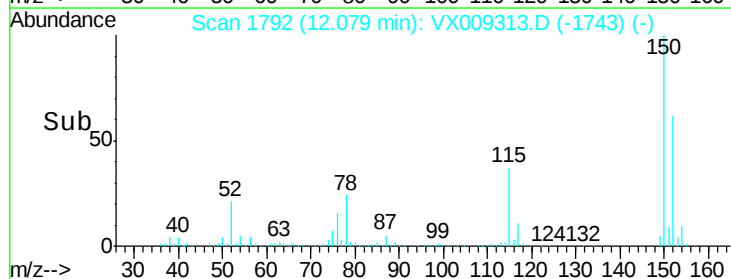
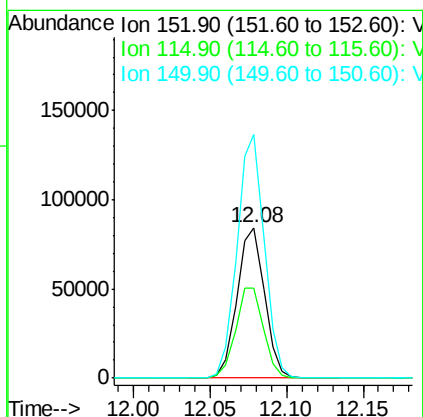
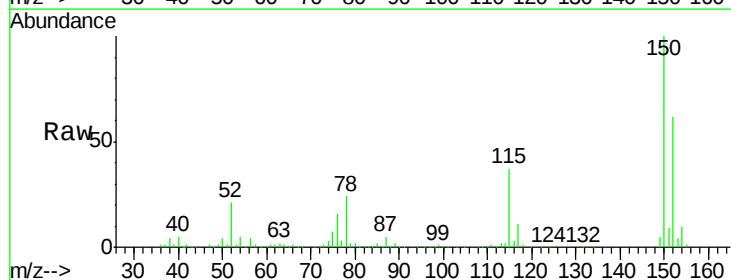
Instrument :
MSVOA_X
ClientSampleId :
DUP-0517-190429

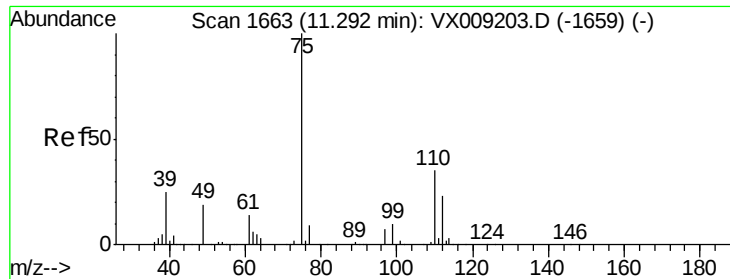
Tot Ion:117 Resp: 266627
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009313.D
Acq: 03 May 2019 16:40

Tgt Ion:152 Resp: 104834
Ion Ratio Lower Upper
152 100
115 61.0 41.2 123.6
150 160.7 0.0 346.4

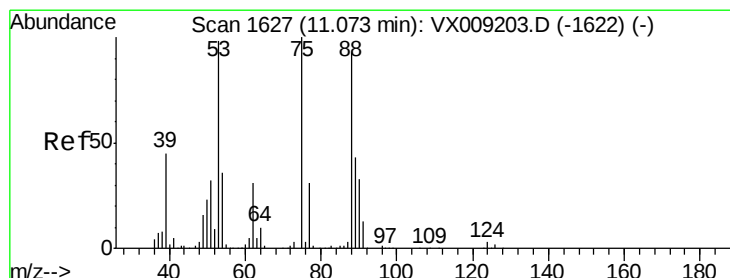
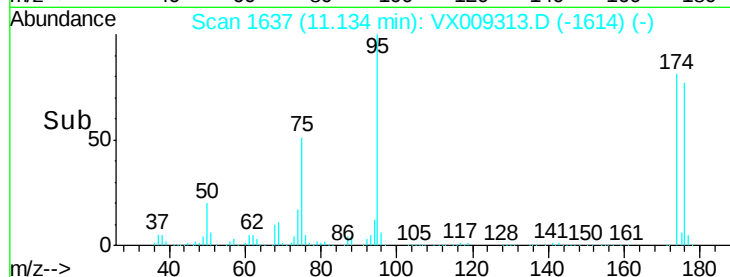
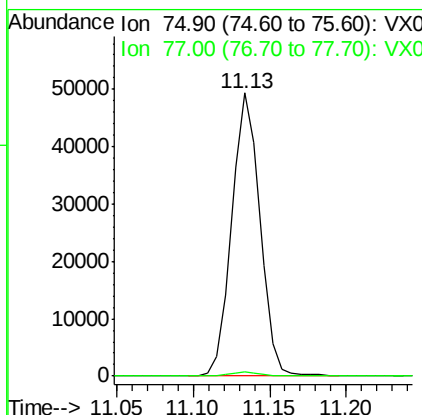
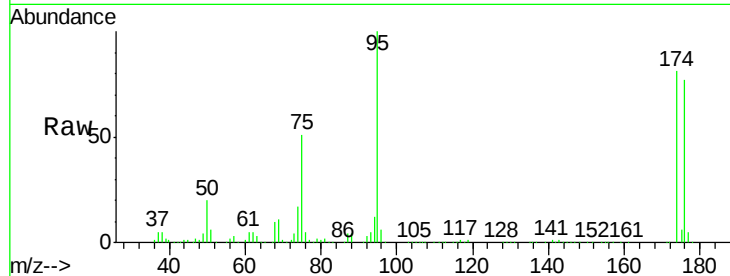




#76
 1,2,3-Trichloropropane
 Concen: 25.868 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0517-190429

Tot Ion: 75 Resp: 62905
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.187 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009313.D
 Acq: 03 May 2019 16:40

Tgt Ion: 75 Resp: 62905
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.1 34.7 52.1#

