

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010810.D
 Acq On : 11 Jul 2019 16:23
 Operator : JC/SP
 Sample : K3756-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP011-SW-190710

Quant Time: Jul 12 06:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146558	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	114761	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	5.50	113	107180	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	419911	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	141542	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

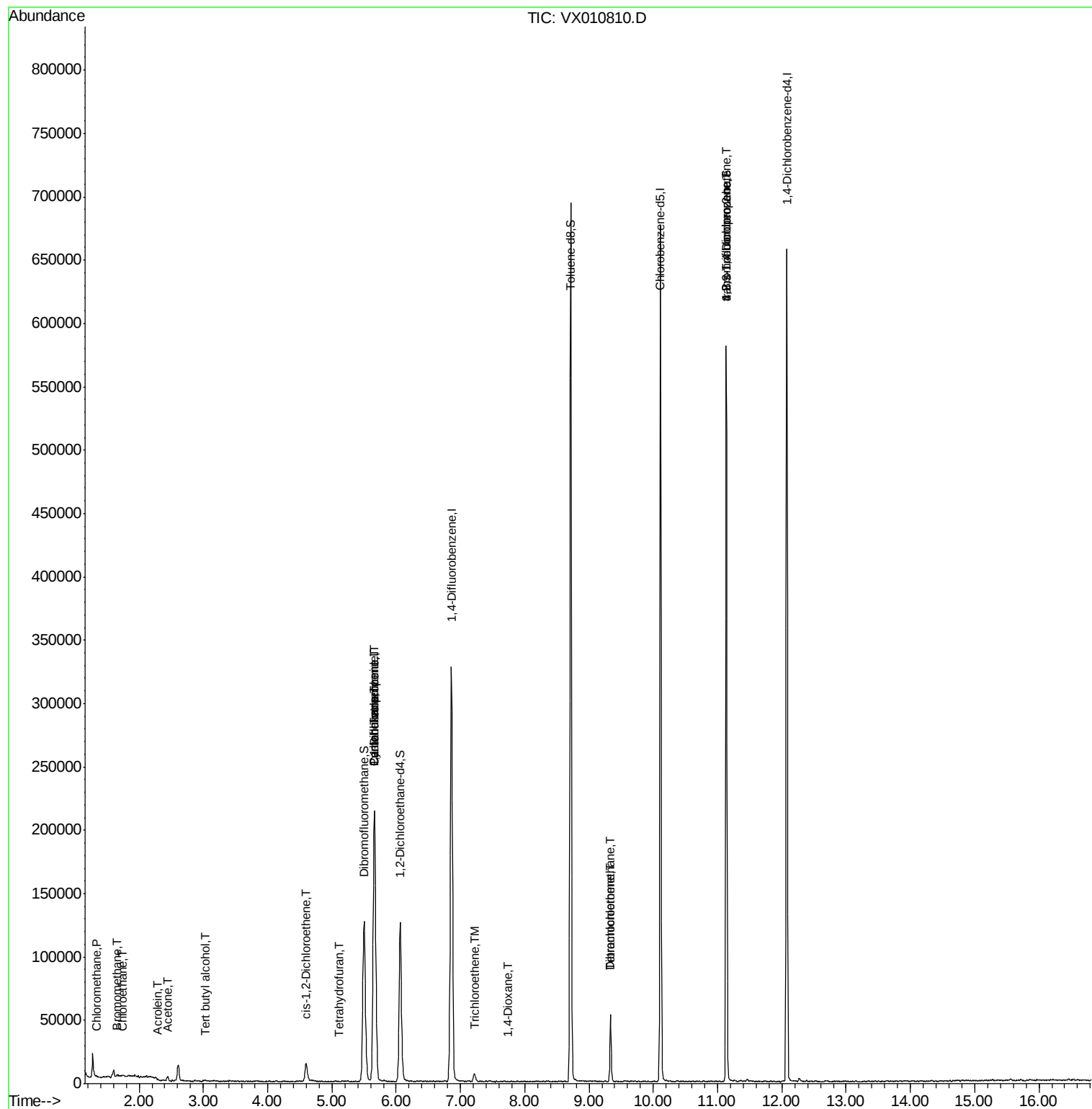
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	673	0.377	ug/l #	77
5) Bromomethane	1.66	94	533	0.559	ug/l #	62
6) Chloroethane	1.74	64	1354	1.173	ug/l #	44
11) Tert butyl alcohol	3.03	59	804	1.486	ug/l #	83
13) Acrolein	2.29	56	117	0.326	ug/l	99
16) Acetone	2.45	43	3834	3.699	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	9399	3.956	ug/l	96
29) Tetrahydrofuran	5.12	42	230	0.244	ug/l #	42
31) Cyclohexane	5.66	56	4049	1.355	ug/l #	5
36) 1,1-Dichloropropene	5.66	75	14644	5.252	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20257	6.709	ug/l #	16
44) Trichloroethene	7.22	130	2609	1.004	ug/l	92
49) 1,4-Dioxane	7.74	88	39	0.614	ug/l #	1
60) Dibromochloromethane	9.34	129	9351	3.540	ug/l #	11
64) Tetrachloroethene	9.34	164	10390	4.014	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	69829	26.147	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69829	60.997	ug/l #	16

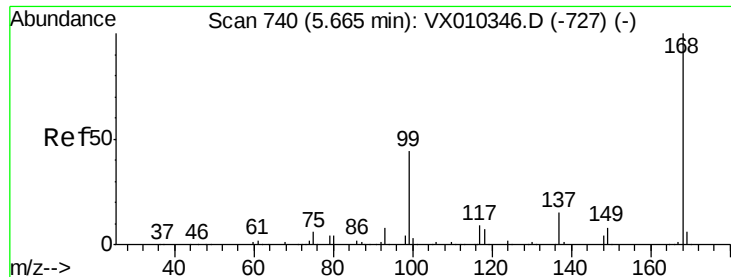
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

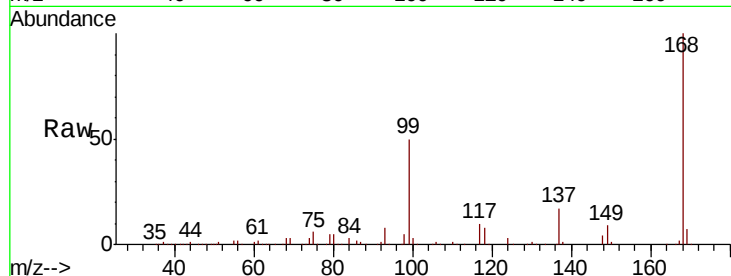
KY030SP011-SW-190710

Tot Ion:168 Resp: 220571

Ion Ratio Lower Upper

168 100

99 49.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

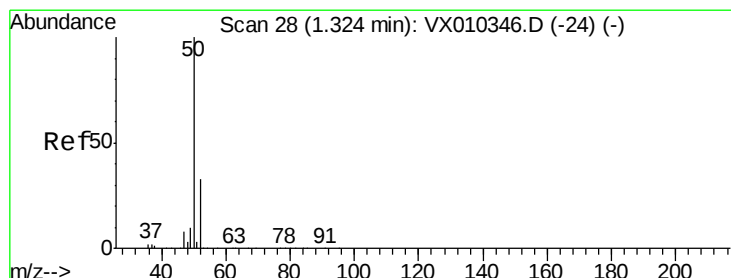
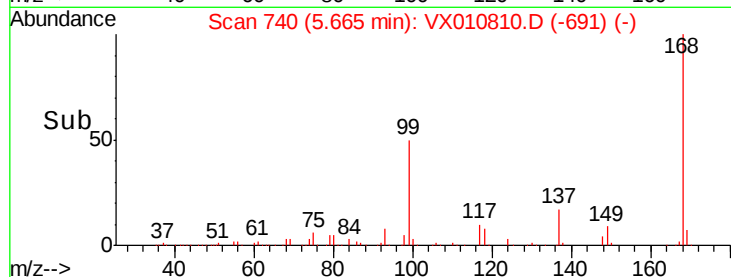
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010810.D

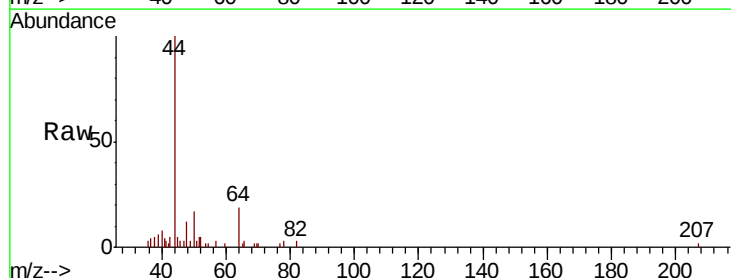
Acq: 11 Jul 2019 16:23

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

50 100

52 46.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

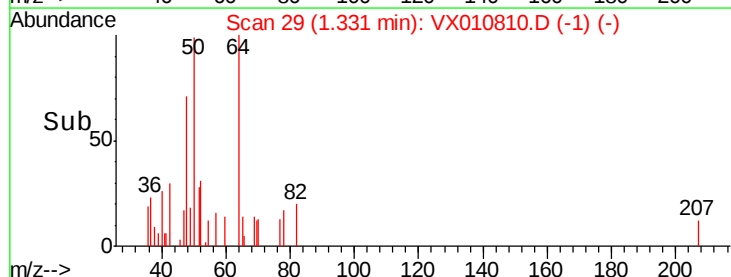
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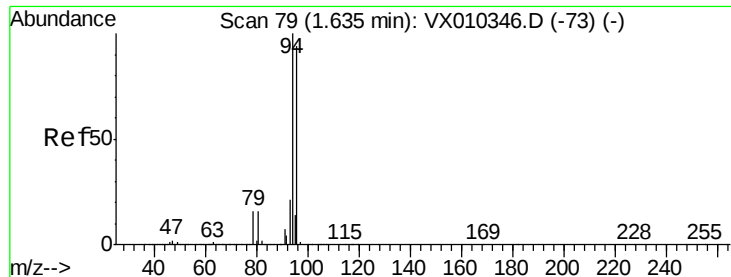
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.559 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

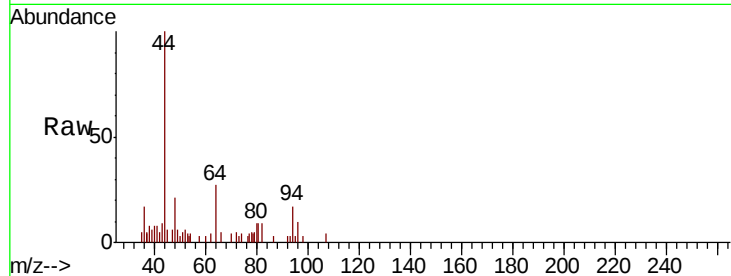
KY030SP011-SW-190710

Tot Ion: 94 Resp: 533

Ion Ratio Lower Upper

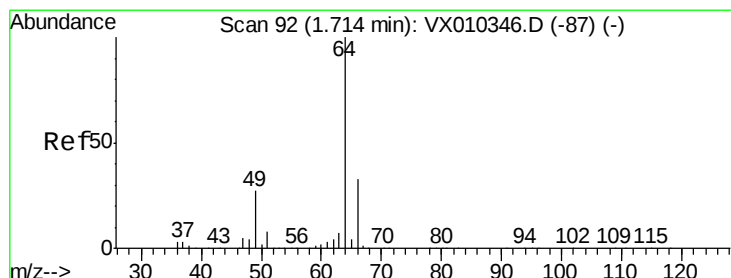
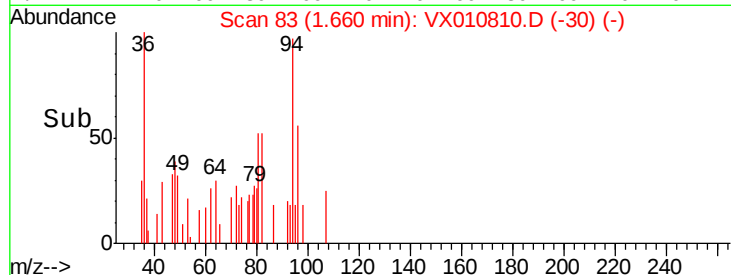
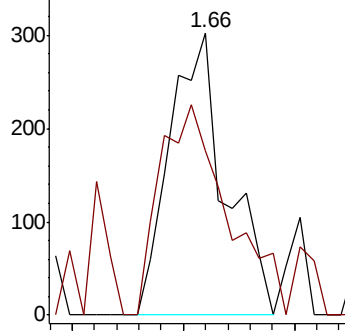
94 100

96 58.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.173 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX010810.D

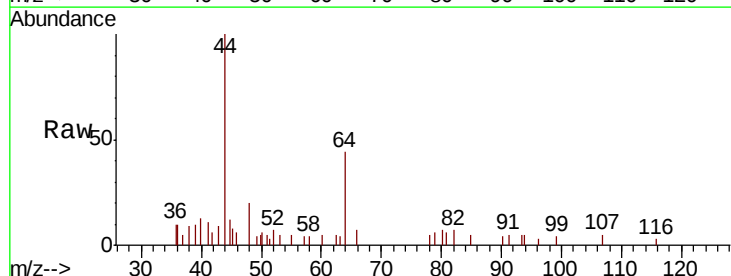
Acq: 11 Jul 2019 16:23

Tgt Ion: 64 Resp: 1354

Ion Ratio Lower Upper

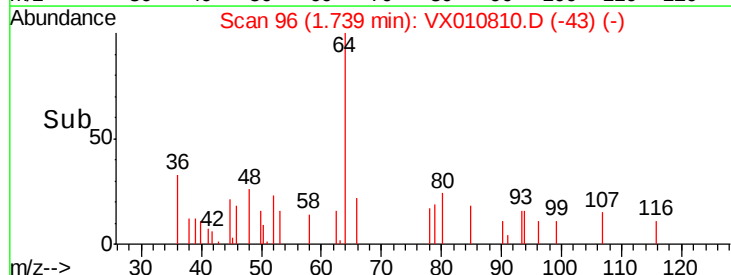
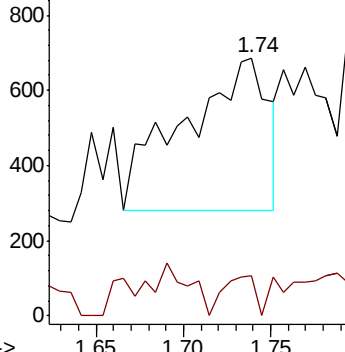
64 100

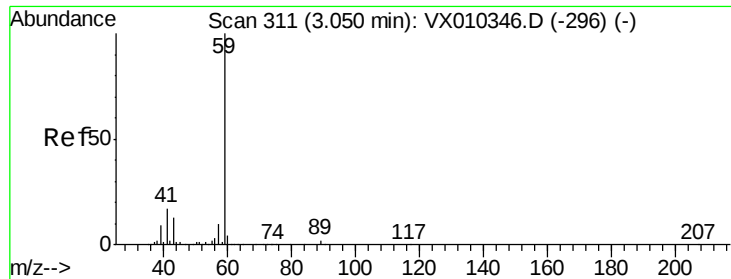
66 1.2 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



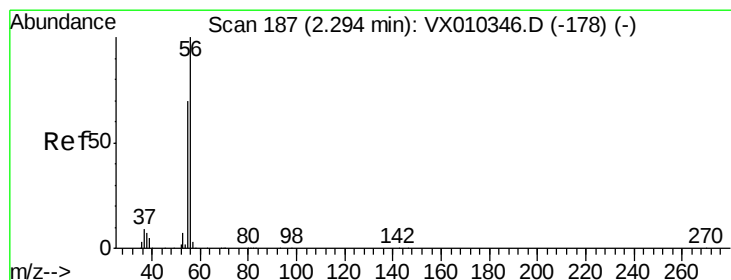
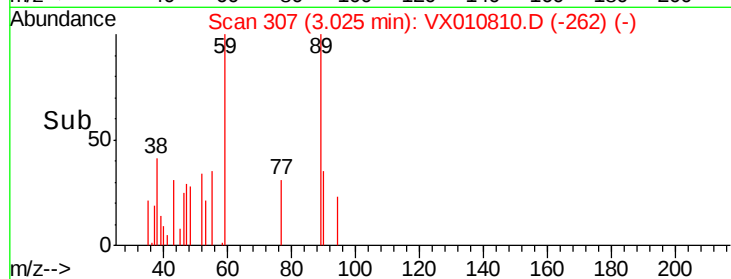
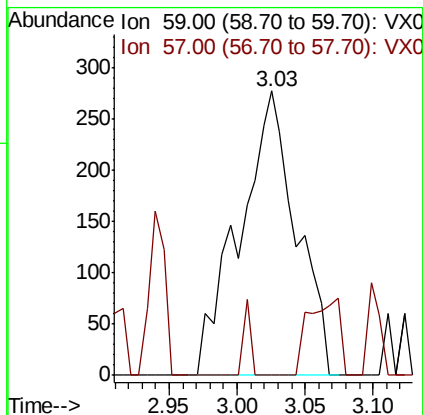
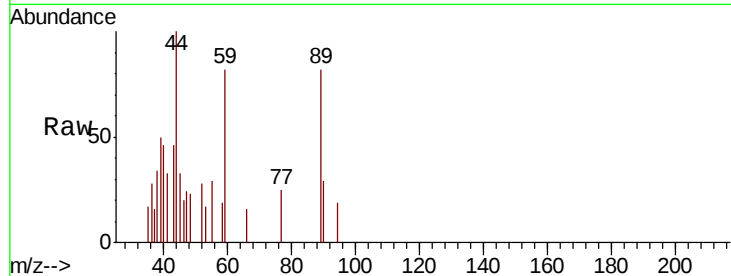


#11

Tert butyl alcohol
 Concen: 1.486 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP011-SW-190710

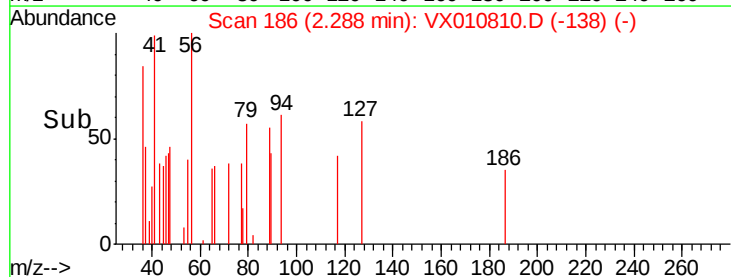
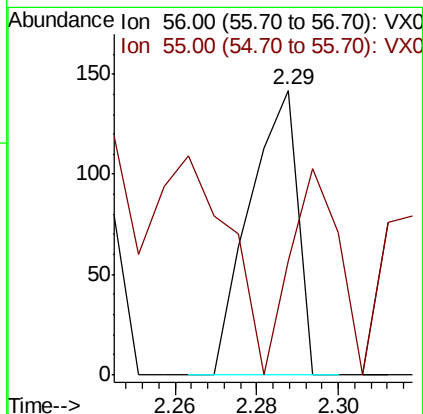
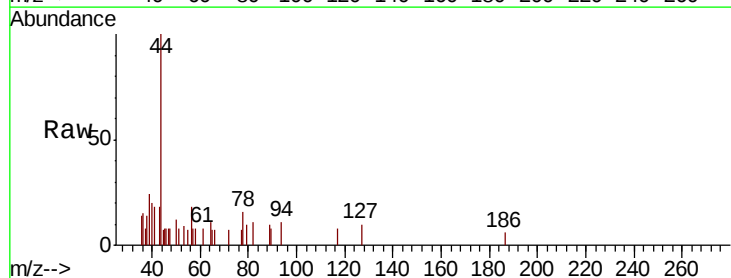
Tot Ion: 59 Resp: 804
 Ion Ratio Lower Upper
 59 100
 57 3.4 7.7 11.5#

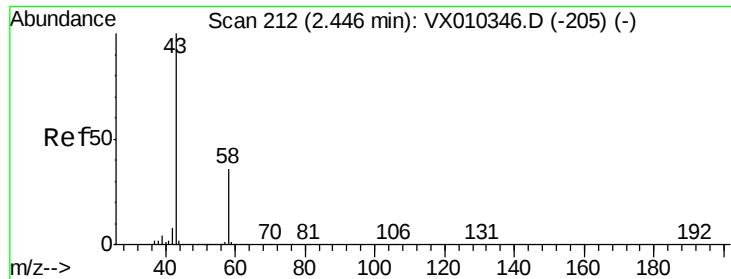


#13

Acrolein
 Concen: 0.326 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

Tgt Ion: 56 Resp: 117
 Ion Ratio Lower Upper
 56 100
 55 71.8 56.9 85.3





#16

Acetone

Concen: 3.699 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

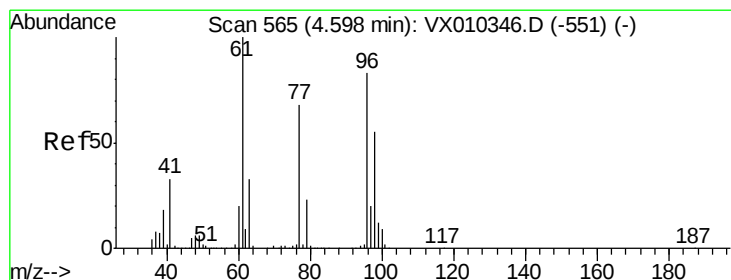
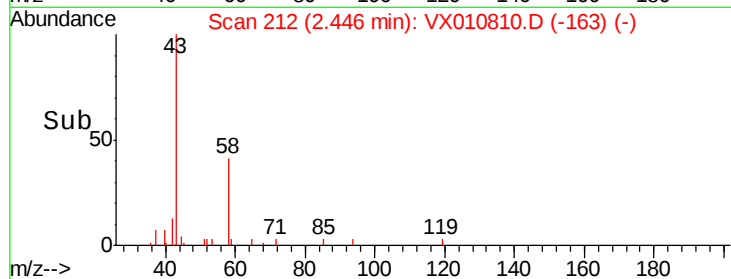
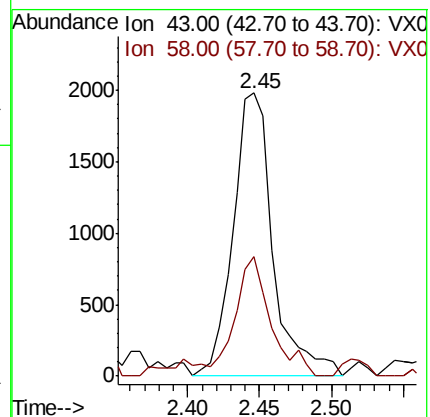
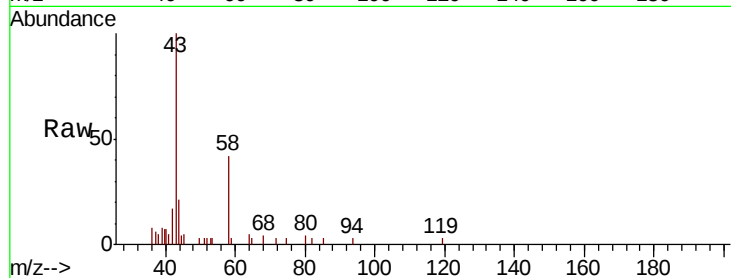
KY030SP011-SW-190710

Tot Ion: 43 Resp: 3834

Ion Ratio Lower Upper

43 100

58 38.2 28.9 43.3



#27

cis-1,2-Dichloroethene

Concen: 3.956 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

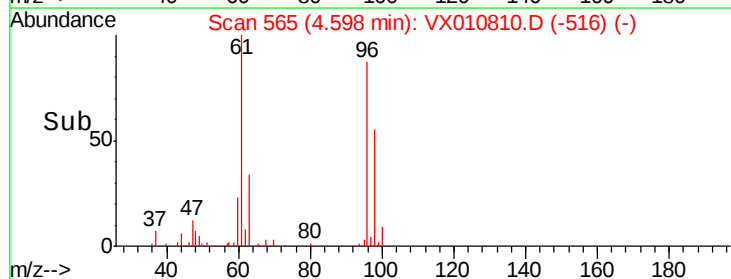
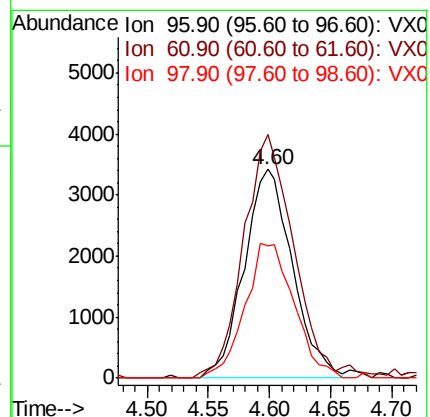
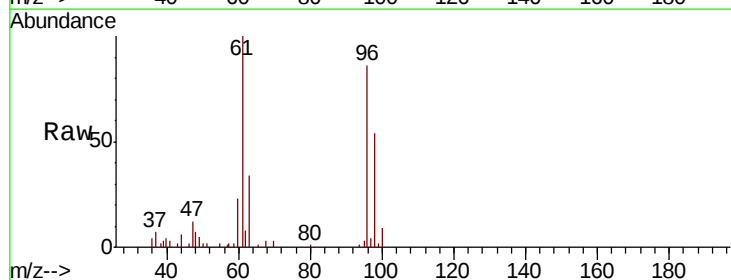
Tgt Ion: 96 Resp: 9399

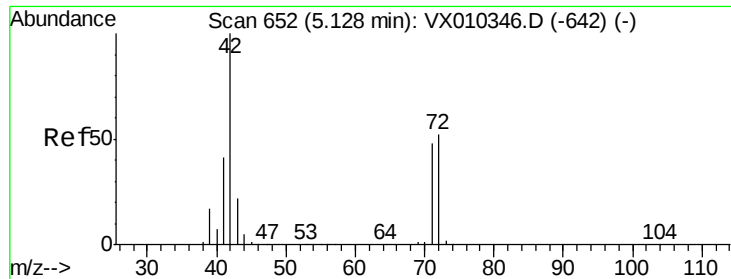
Ion Ratio Lower Upper

96 100

61 119.6 0.0 251.8

98 65.4 0.0 129.4





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

KY030SP011-SW-190710

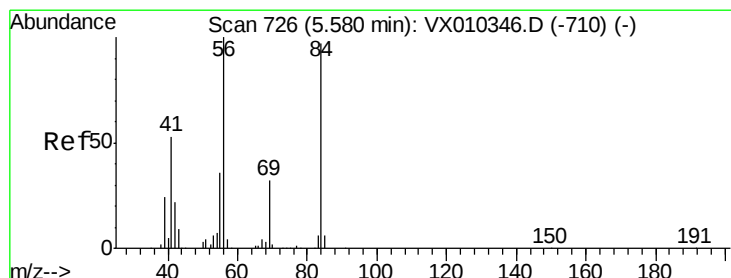
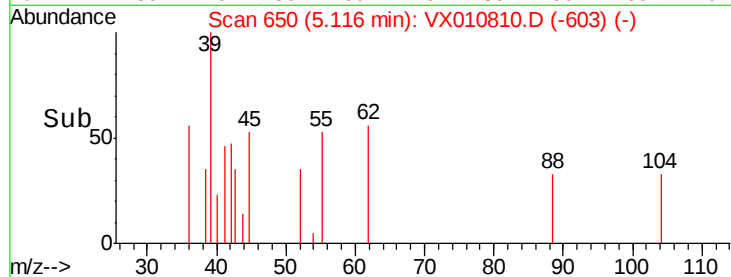
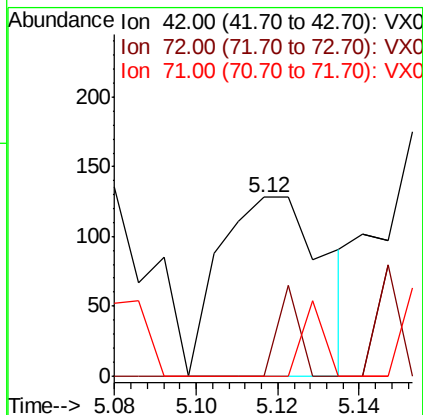
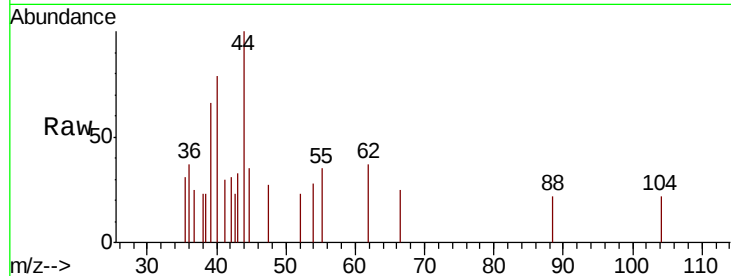
Tot Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

72 10.4 40.6 60.8#

71 8.7 37.8 56.8#



#31

Cyclohexane

Concen: 1.355 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

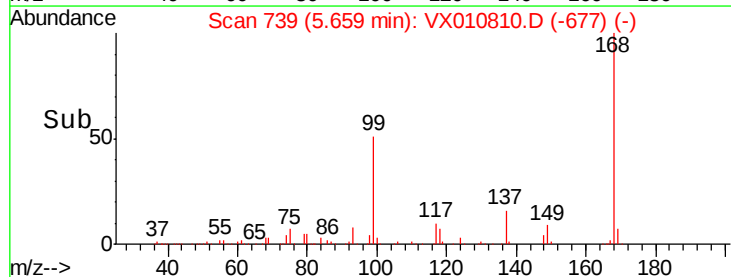
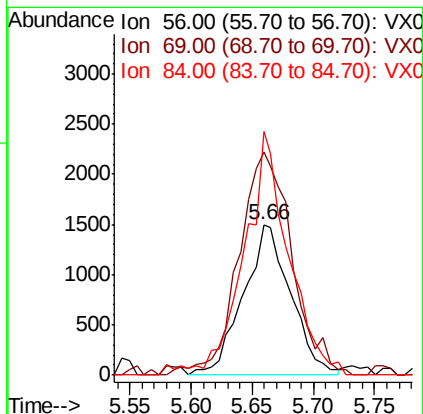
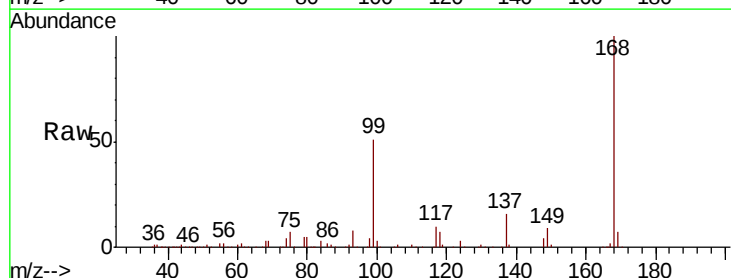
Tgt Ion: 56 Resp: 4049

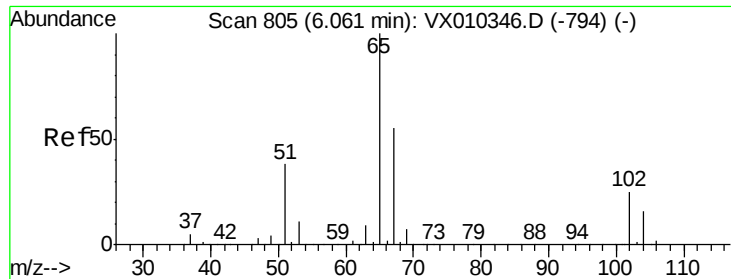
Ion Ratio Lower Upper

56 100

69 144.3 25.9 38.9#

84 157.5 78.0 117.0#

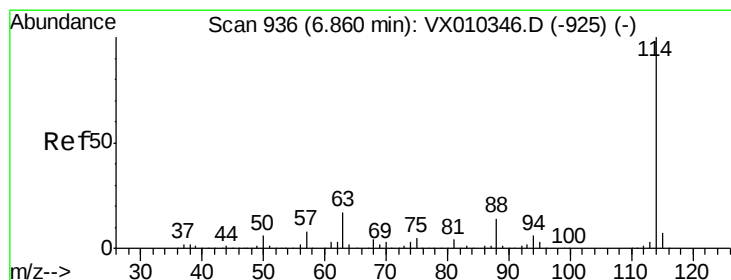
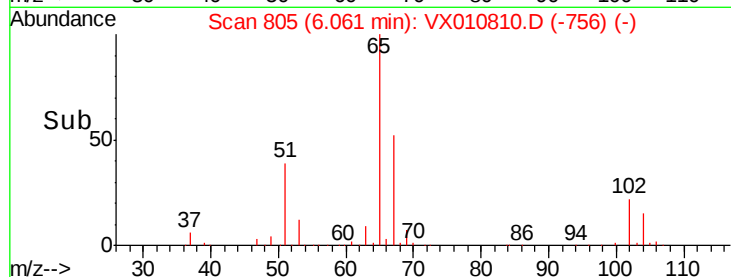
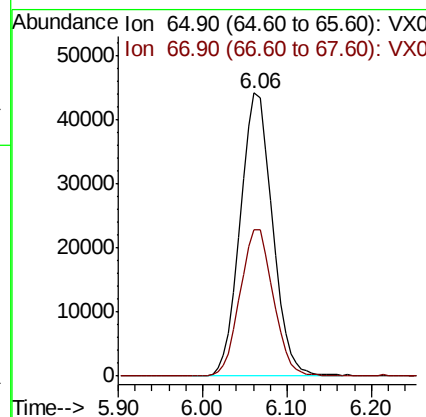
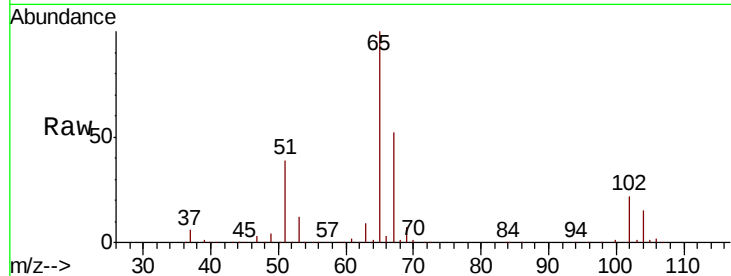




#33
 1,2-Dichloroethane-d4
 Concen: 55.492 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

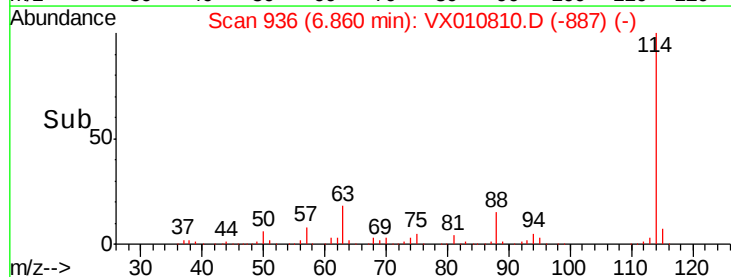
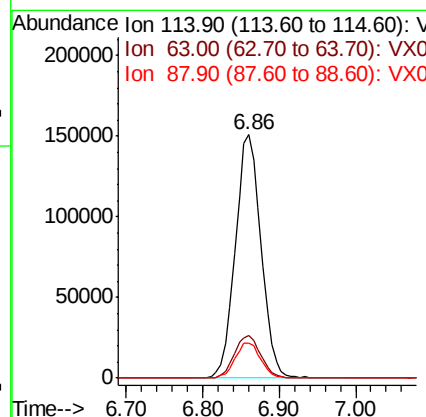
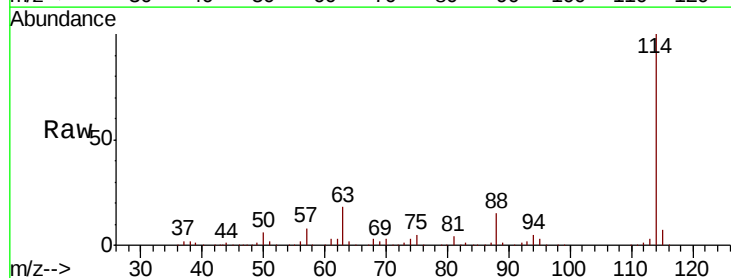
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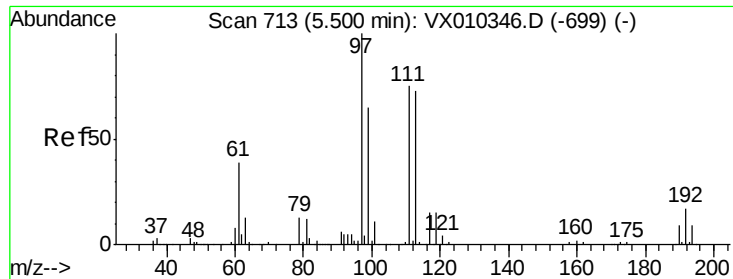
Tot Ion: 65 Resp: 114761
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

Tgt Ion: 114 Resp: 350878
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 33.8
 88 14.5 0.0 27.6

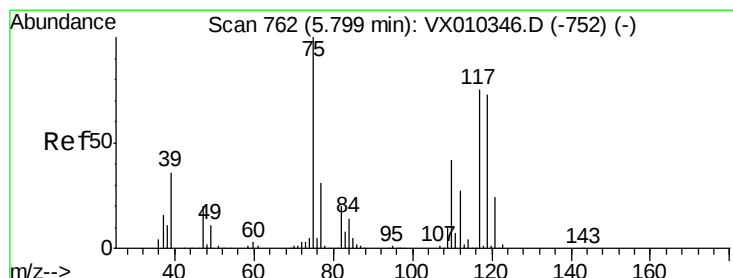
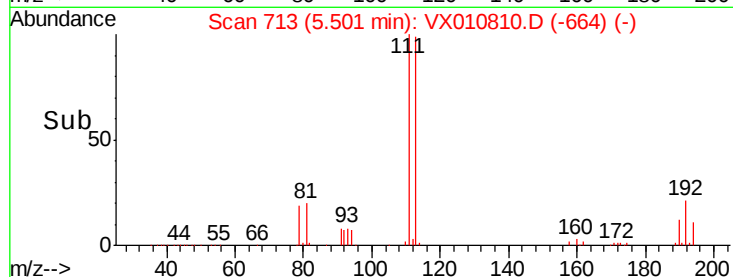
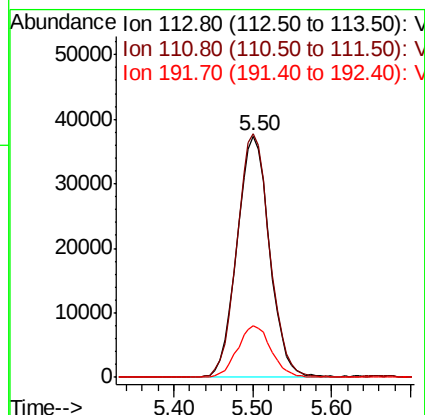
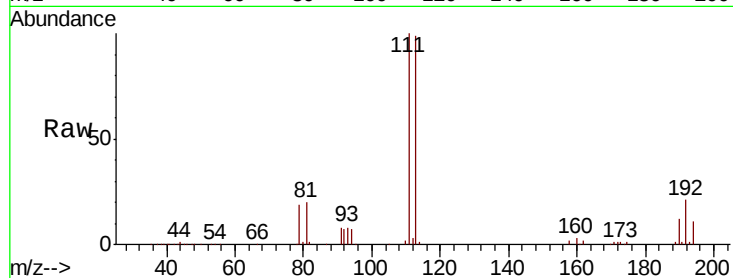




#35
 Dibromofluoromethane
 Concen: 49.925 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

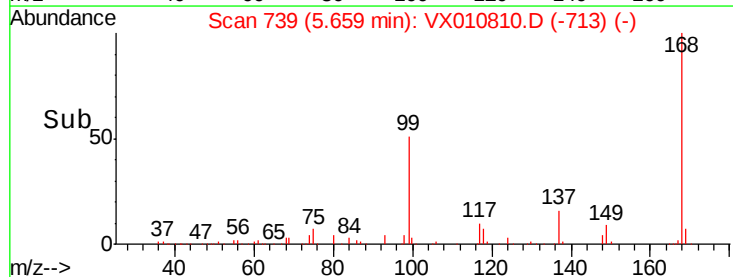
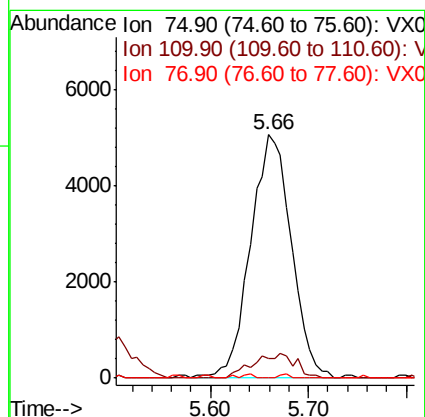
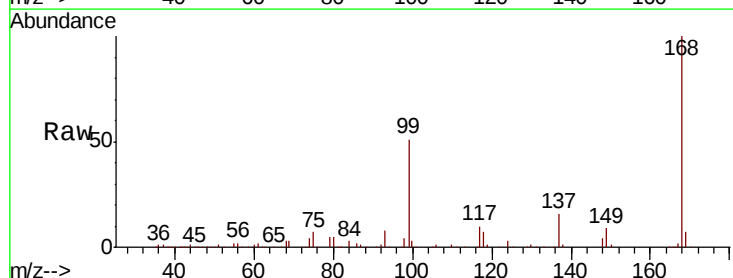
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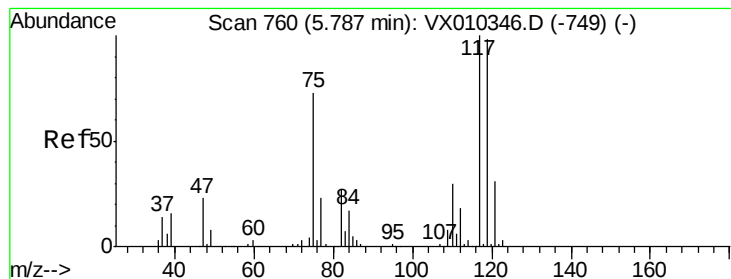
Tot Ion:113 Resp: 107180
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.2 121.8
 192 22.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.252 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010810.D
 Acq: 11 Jul 2019 16:23

Tgt Ion: 75 Resp: 14644
 Ion Ratio Lower Upper
 75 100
 110 10.5 20.8 62.2#
 77 0.4 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

KY030SP011-SW-190710

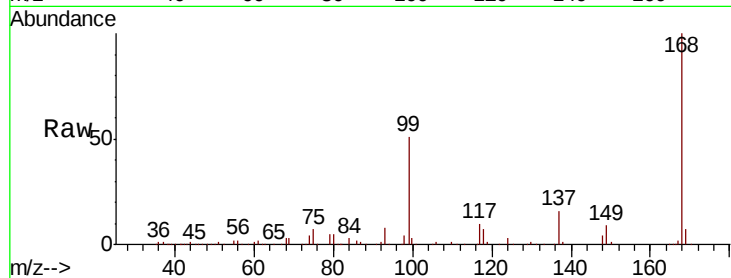
Tot Ion:117 Resp: 20257

Ion Ratio Lower Upper

117 100

119 6.4 78.2 117.4#

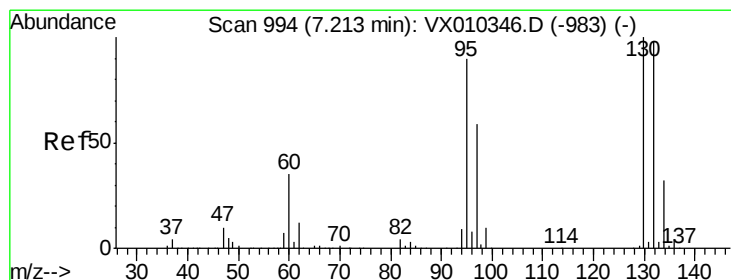
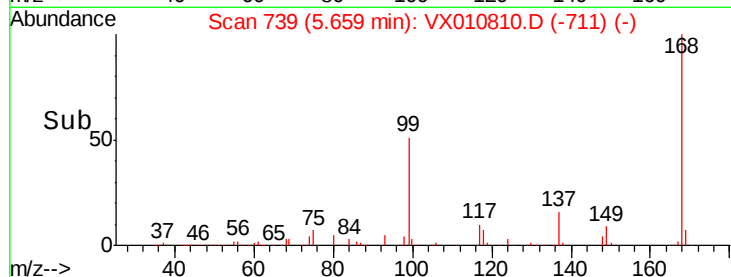
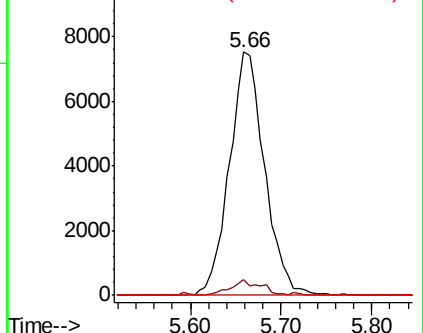
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.004 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010810.D

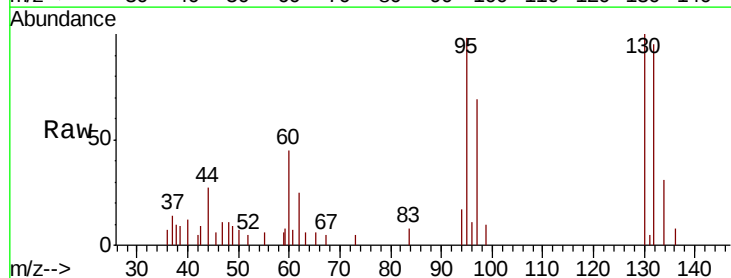
Acq: 11 Jul 2019 16:23

Tgt Ion:130 Resp: 2609

Ion Ratio Lower Upper

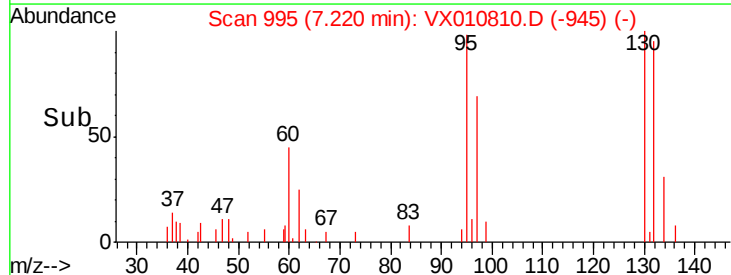
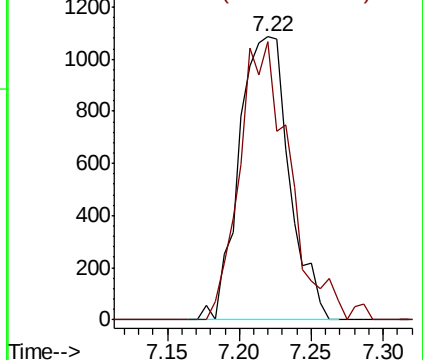
130 100

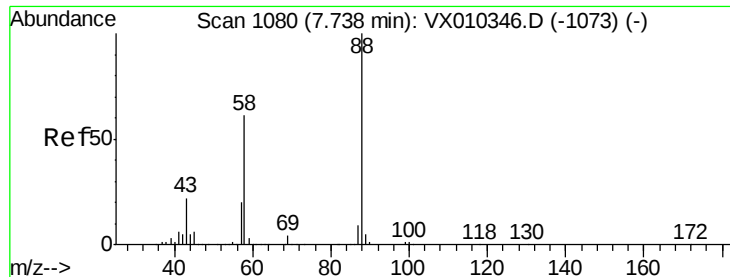
95 98.3 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

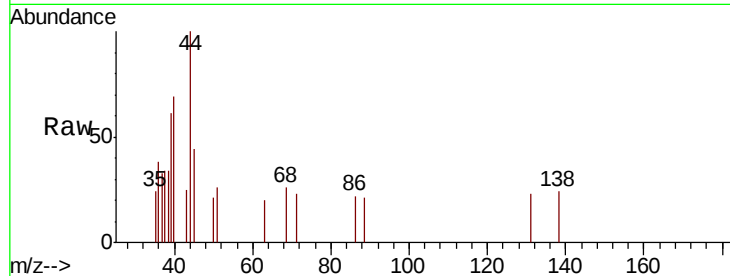




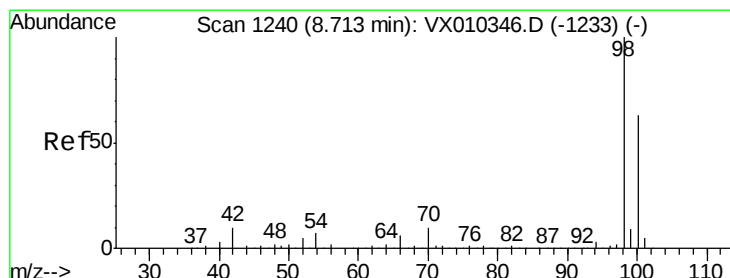
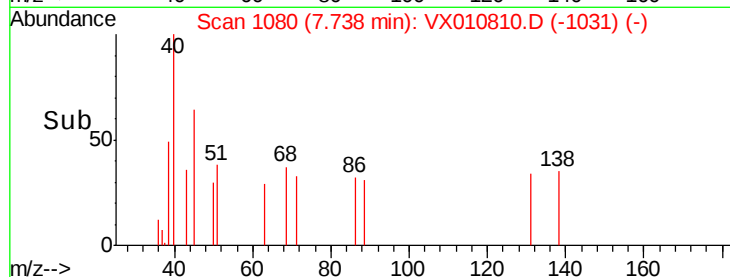
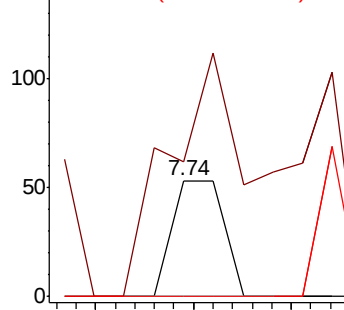
#49
1,4-Dioxane
Concen: 0.614 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

Instrument :
MSVOA_X
ClientSampleId :
KY030SP011-SW-190710

Tot Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 328.2 20.2 30.2#
58 0.0 49.5 74.3#

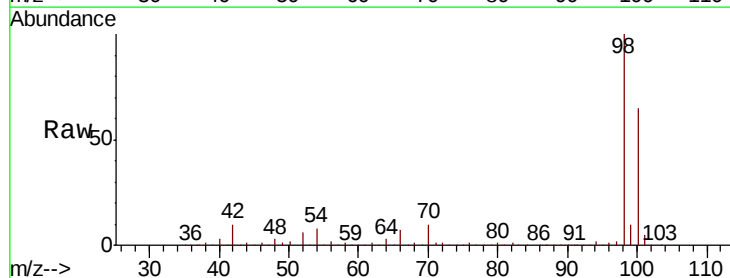


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

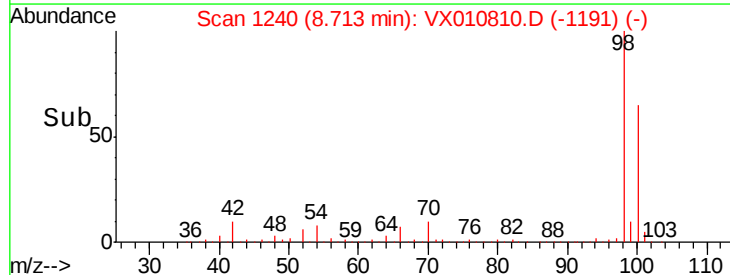
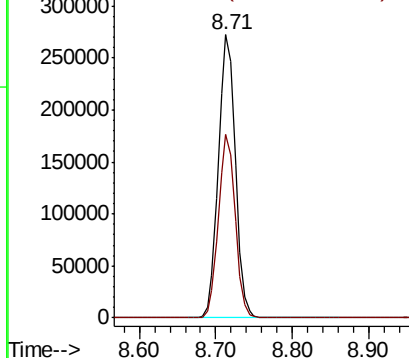


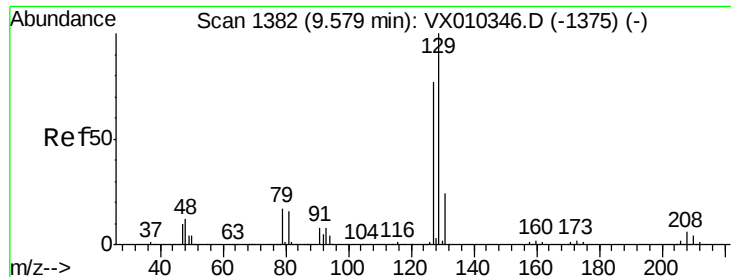
#50
Toluene-d8
Concen: 51.126 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

Tgt Ion: 98 Resp: 419911
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

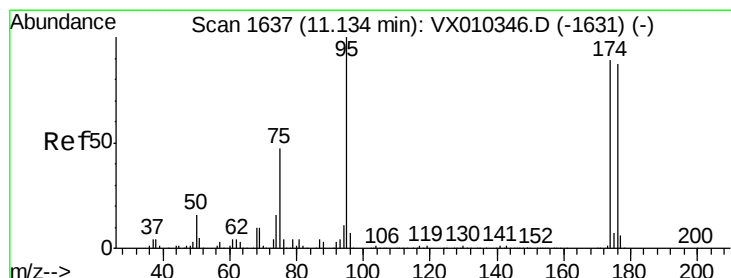
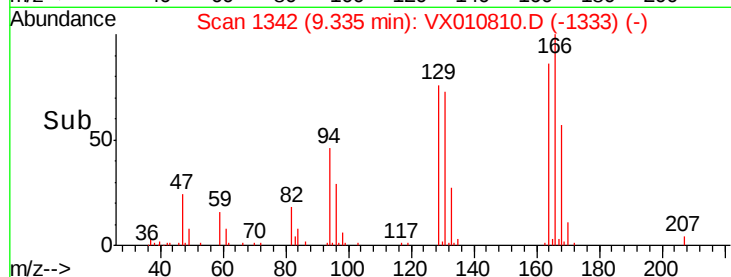
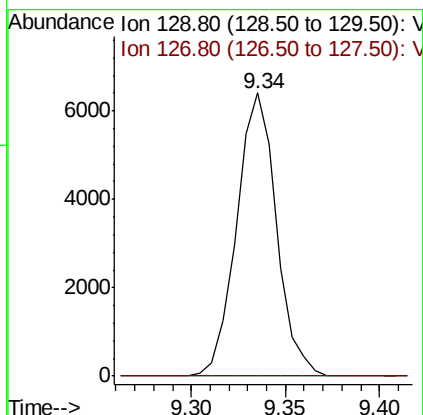
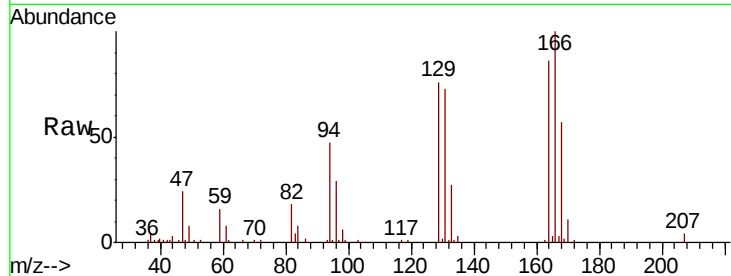




#60
Dibromochloromethane
Concen: 3.540 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

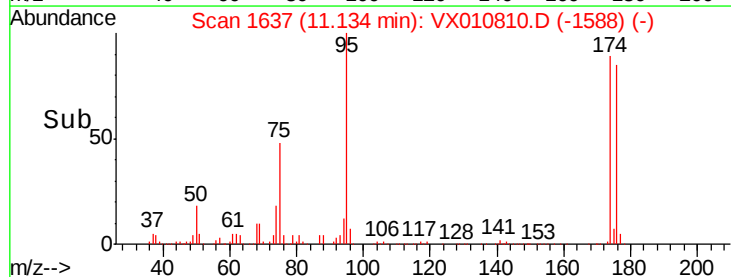
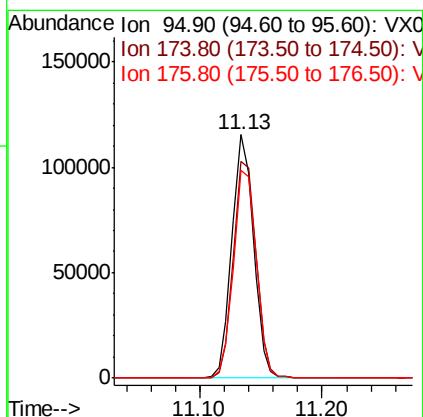
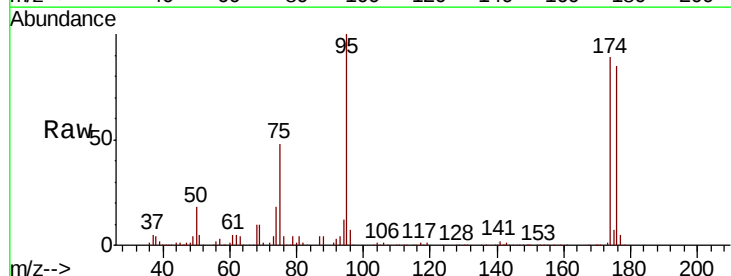
Instrument :
MSVOA_X
ClientSampleId :
KY030SP011-SW-190710

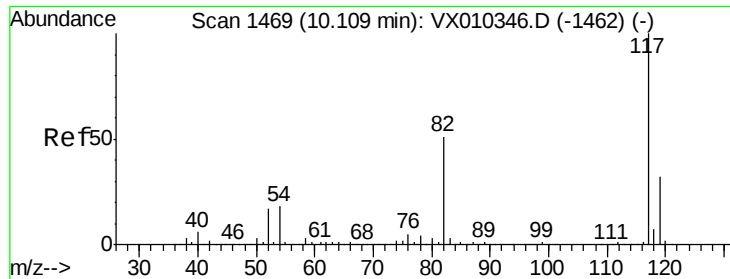
Tot Ion:129 Resp: 9351
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 47.734 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

Tgt Ion: 95 Resp: 141542
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.6
176 89.8 0.0 184.0

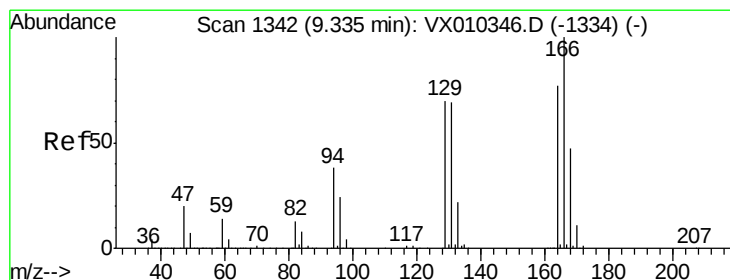
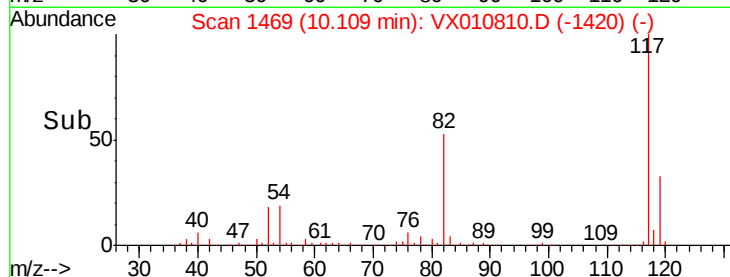
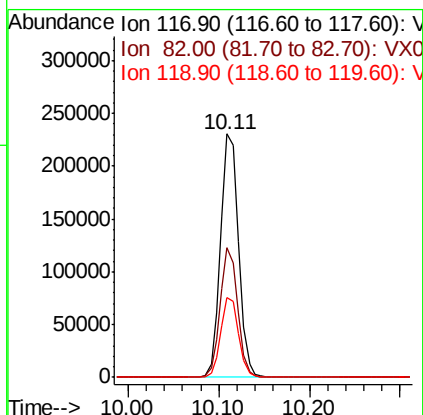
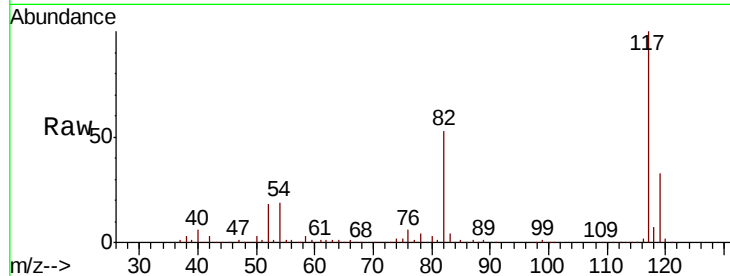




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

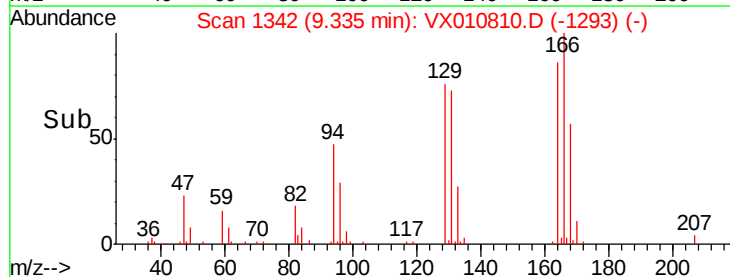
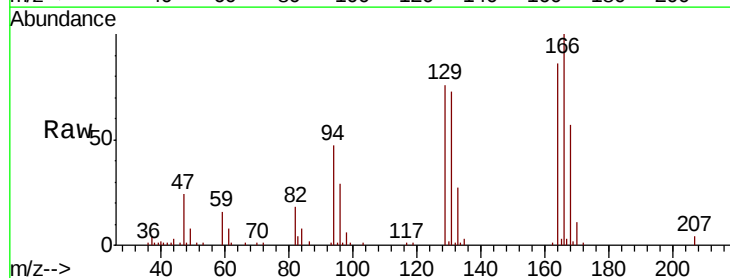
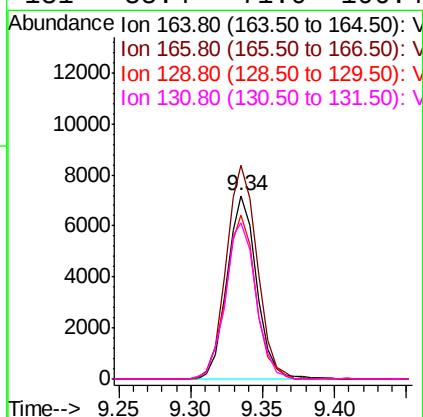
Instrument :
MSVOA_X
ClientSampleId :
KY030SP011-SW-190710

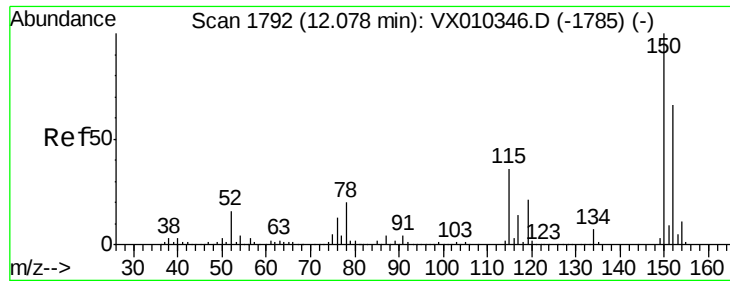
Tot Ion:117 Resp: 320012
Ion Ratio Lower Upper
117 100
82 53.1 41.2 61.8
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 4.014 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010810.D
Acq: 11 Jul 2019 16:23

Tgt Ion:164 Resp: 10390
Ion Ratio Lower Upper
164 100
166 116.6 103.6 155.4
129 89.2 73.0 109.4
131 85.4 71.0 106.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

KY030SP011-SW-190710

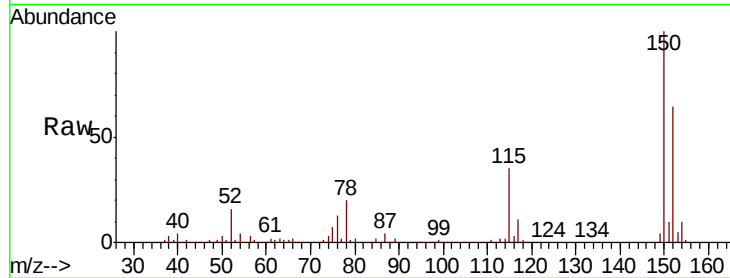
Tot Ion:152 Resp: 146558

Ion Ratio Lower Upper

152 100

115 55.7 38.6 115.7

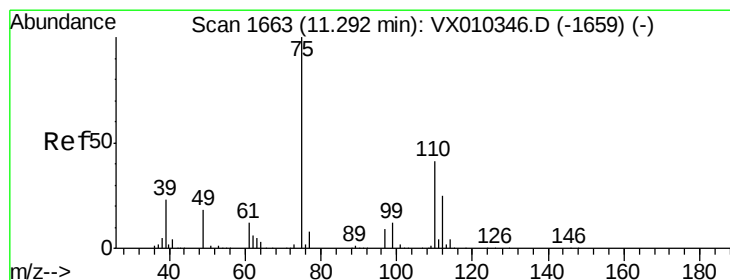
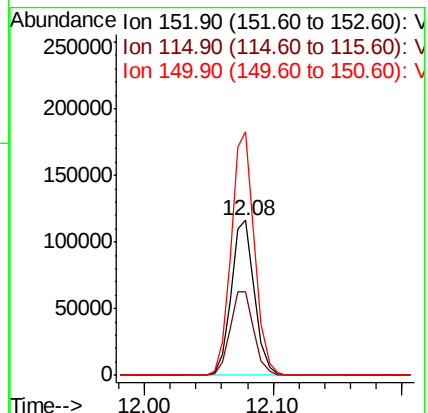
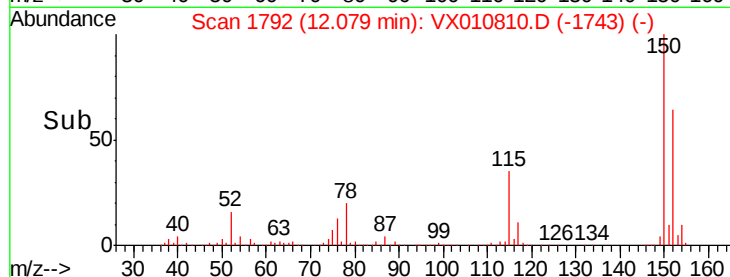
150 157.7 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.147 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010810.D

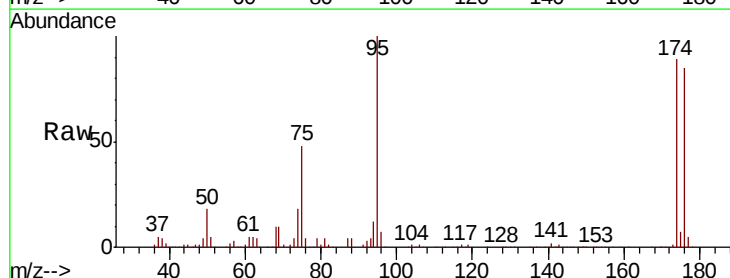
Acq: 11 Jul 2019 16:23

Tgt Ion: 75 Resp: 69829

Ion Ratio Lower Upper

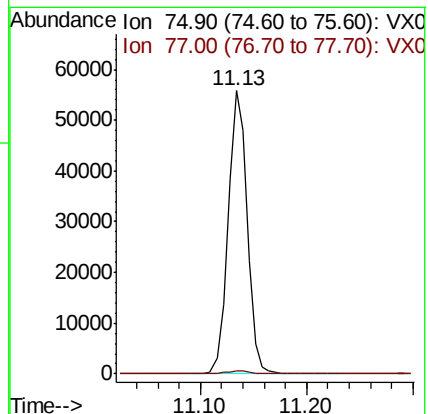
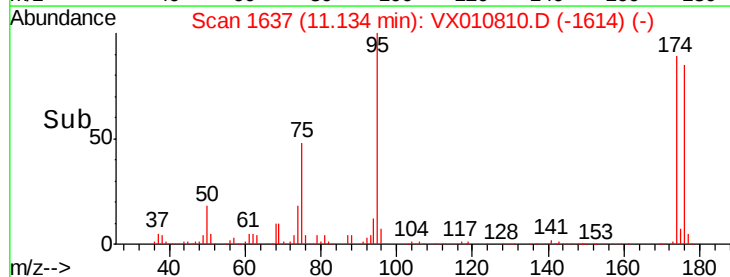
75 100

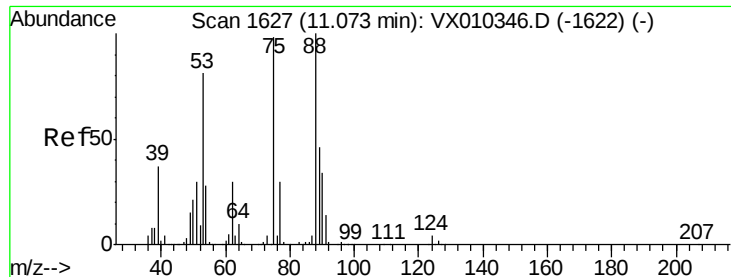
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.997 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010810.D

Acq: 11 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

KY030SP011-SW-190710

Tot Ion: 75 Resp: 69829

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

