

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005270.D
 Acq On : 11 Oct 2018 22:41
 Operator : JC/MD
 Sample : J5393-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 07:12:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

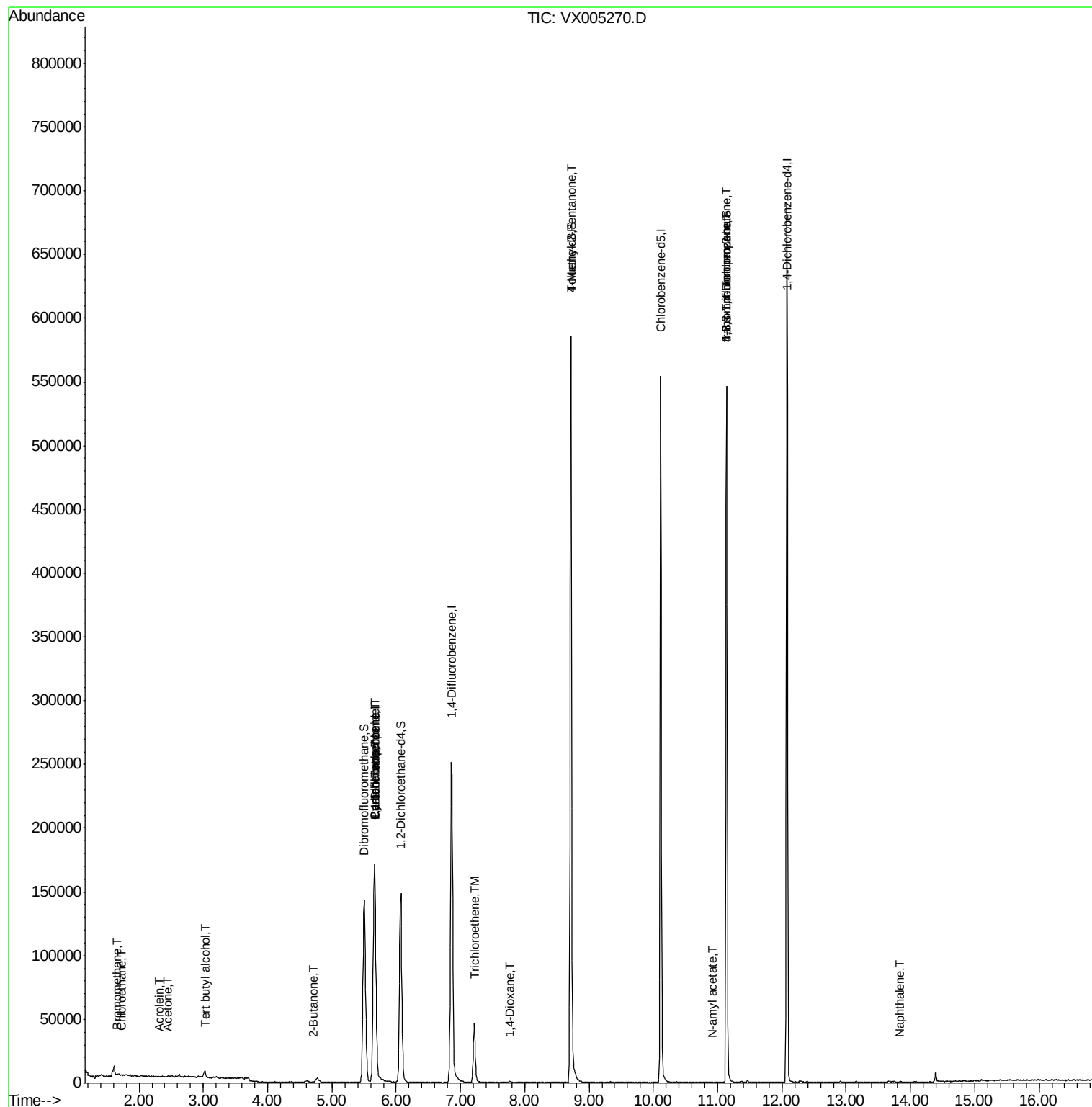
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	259404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	260200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138385	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
35) Dibromofluoromethane	5.51	113	116494	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.98%	
50) Toluene-d8	8.72	98	375294	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.14	95	134855	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
Target Compounds				Qvalue		
5) Bromomethane	1.65	94	389	0.233	ug/l #	55
6) Chloroethane	1.73	64	5502	1.317	ug/l #	72
11) Tert butyl alcohol	3.03	59	3176	4.379	ug/l #	76
13) Acrolein	2.31	56	125	0.242	ug/l #	46
16) Acetone	2.45	43	653	0.431	ug/l #	85
20) Methylene Chloride	2.85	84	23	Below Cal	#	63
25) 2-Butanone	4.71	43	521	0.233	ug/l #	49
31) Cyclohexane	5.67	56	3361	1.018	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12494	4.165	ug/l #	46
38) Carbon Tetrachloride	5.66	117	16431	5.211	ug/l #	18
44) Trichloroethene	7.21	130	18152	7.863	ug/l	98
49) 1,4-Dioxane	7.76	88	495	7.639	ug/l #	87
51) 4-Methyl-2-Pentanone	8.71	43	1639	0.453	ug/l #	1
74) N-amyl acetate	10.92	43	52	1.758	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	66780	20.515	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.44	105	48	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	66780	55.717	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	132	Below Cal		92
95) Naphthalene	13.83	128	340	0.747	ug/l #	69

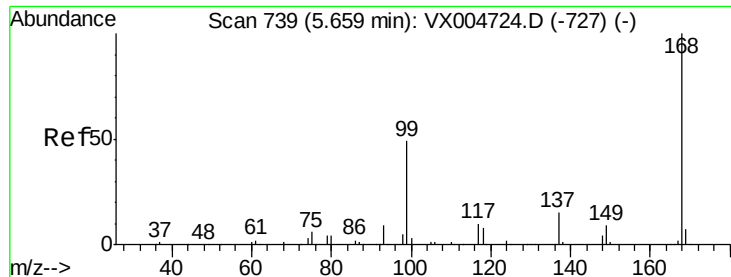
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

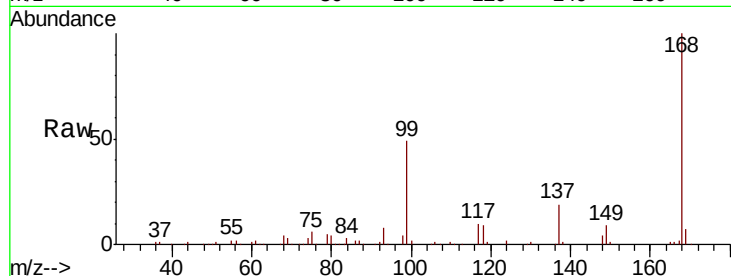
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 181591

Ion Ratio Lower Upper

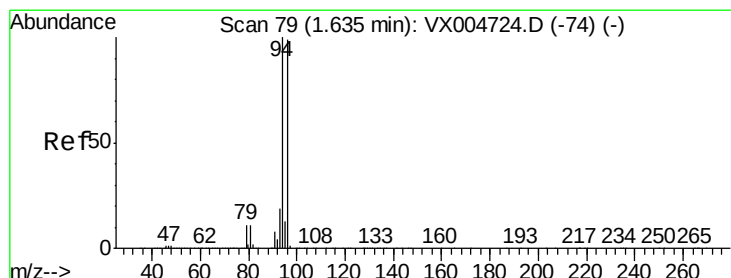
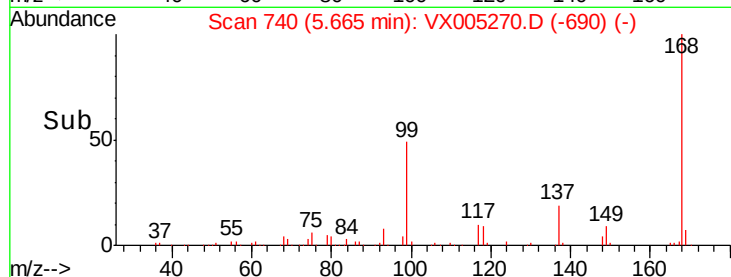
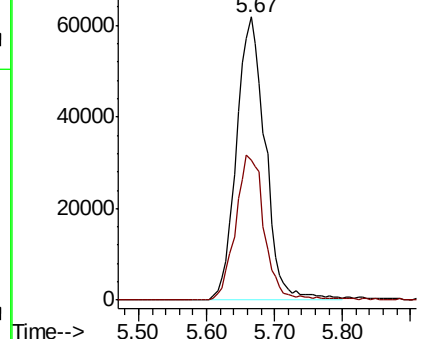
168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005270.D

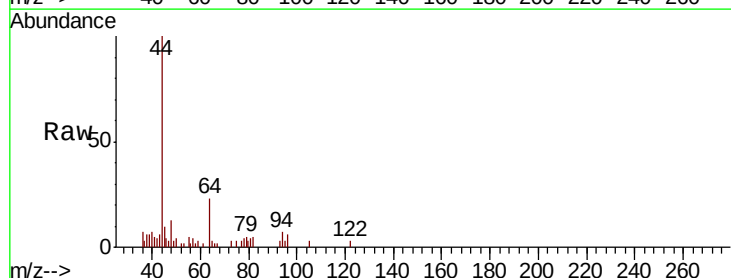
Acq: 11 Oct 2018 22:41

Tgt Ion: 94 Resp: 389

Ion Ratio Lower Upper

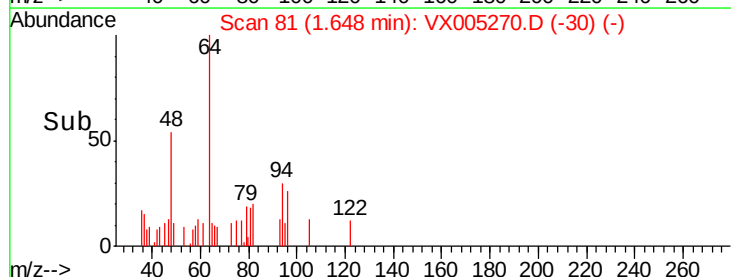
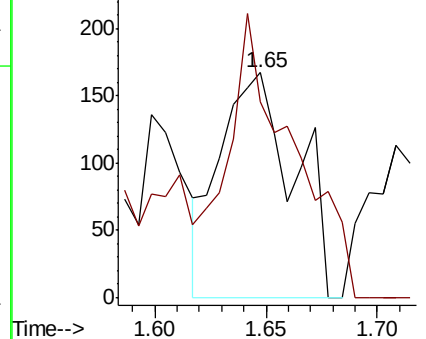
94 100

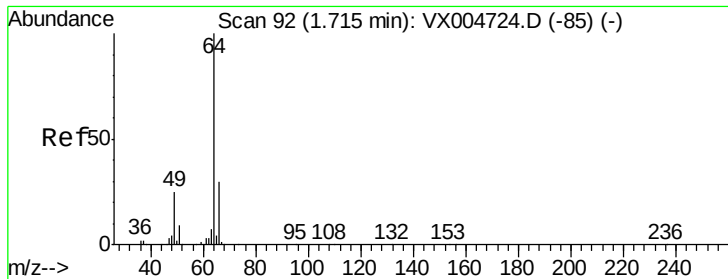
96 54.5 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.317 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

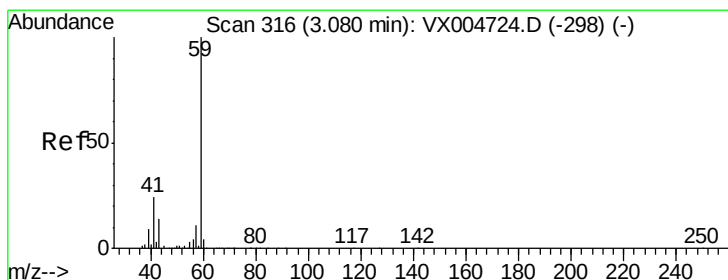
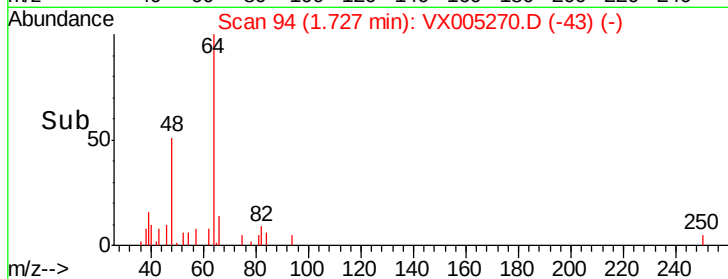
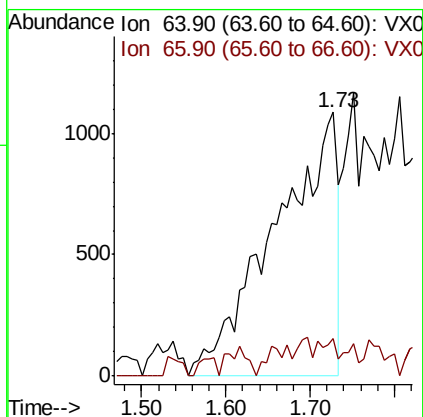
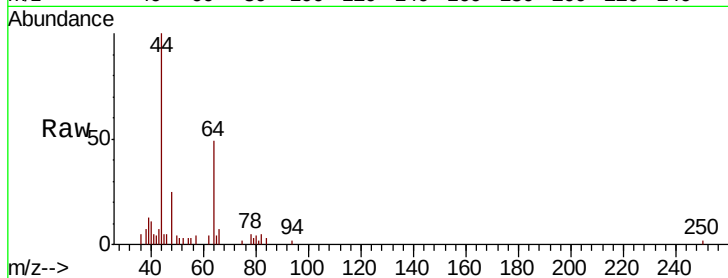
ClientSampleId :

Tot Ion: 64 Resp: 5502

Ion Ratio Lower Upper

64 100

66 14.4 23.8 35.6#



#11

Tert butyl alcohol

Concen: 4.379 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.06 min

Lab File: VX005270.D

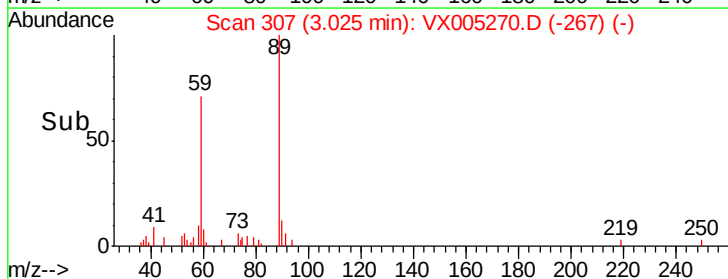
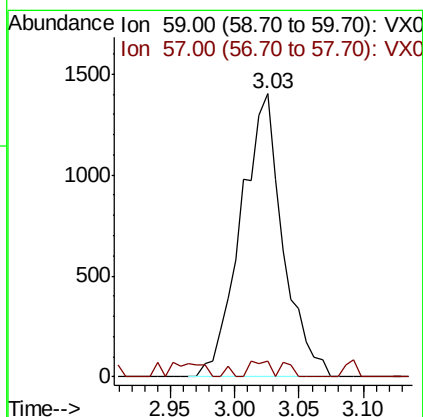
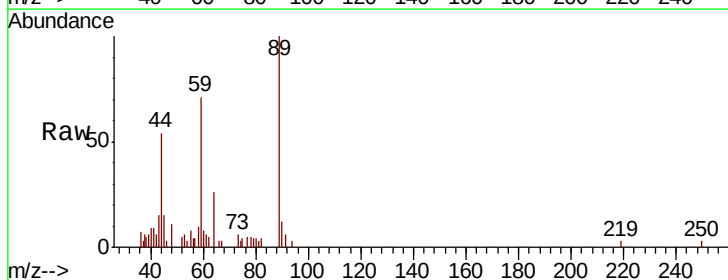
Acq: 11 Oct 2018 22:41

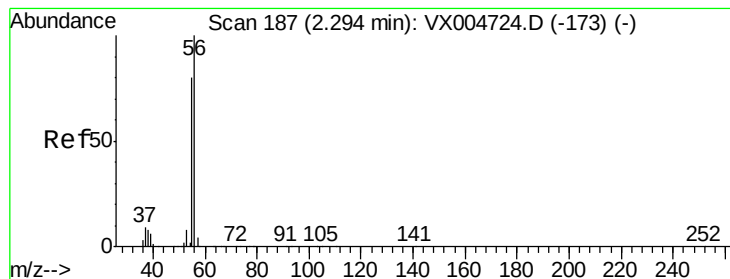
Tgt Ion: 59 Resp: 3176

Ion Ratio Lower Upper

59 100

57 1.6 8.6 12.8#





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

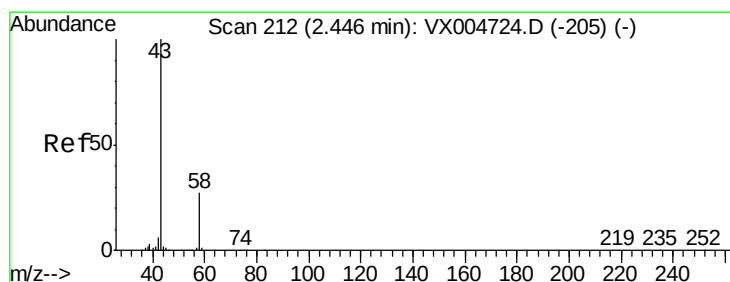
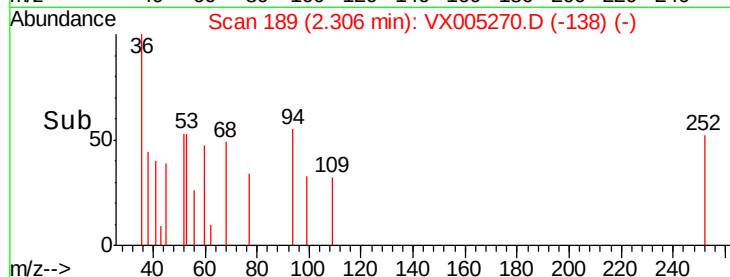
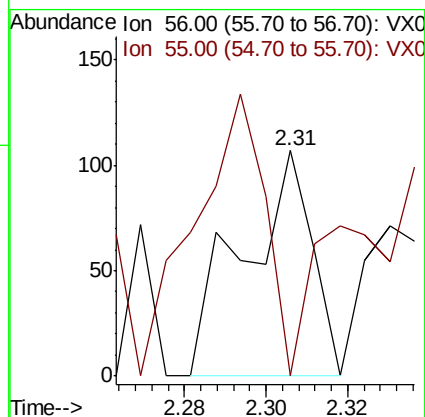
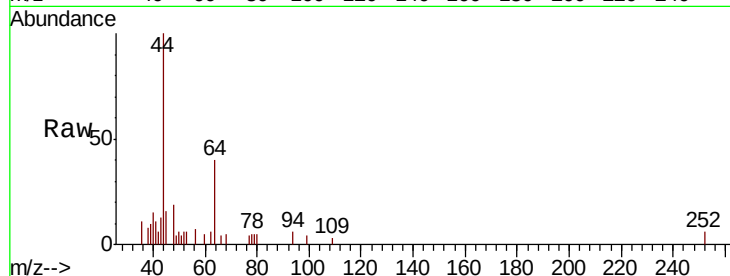
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 125

Ion Ratio Lower Upper

56 100

55 126.4 63.4 95.2#



#16

Acetone

Concen: 0.431 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005270.D

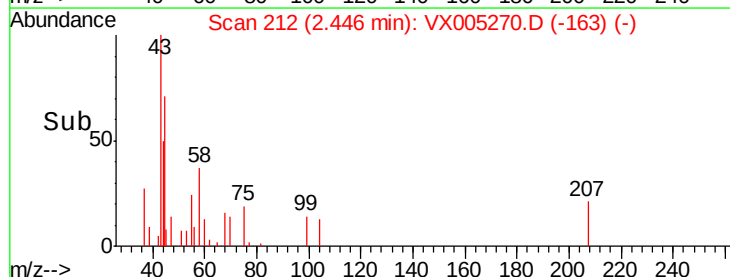
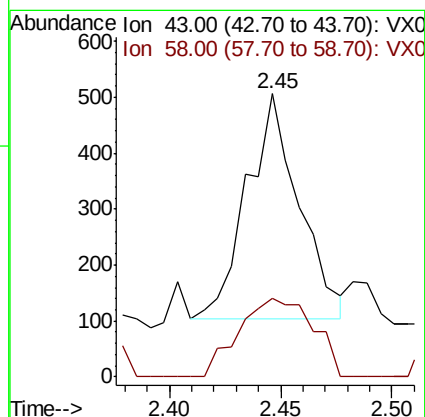
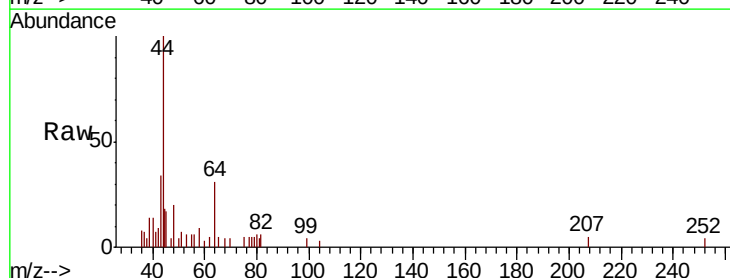
Acq: 11 Oct 2018 22:41

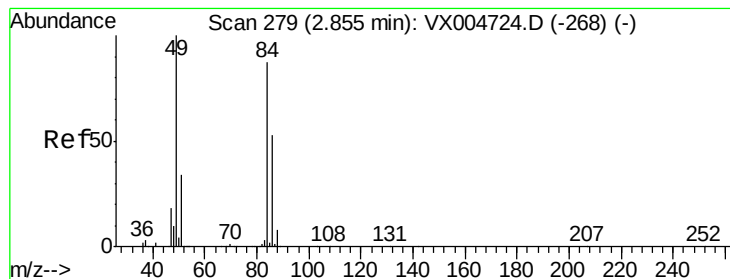
Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

58 35.2 21.8 32.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005270.D

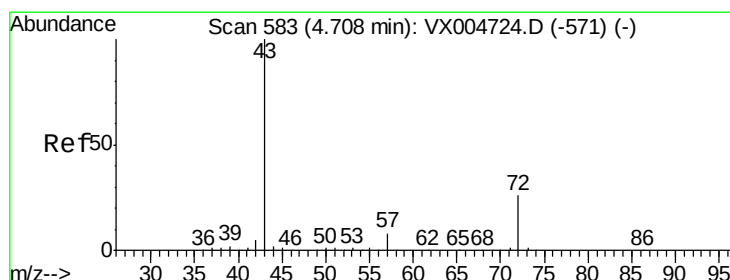
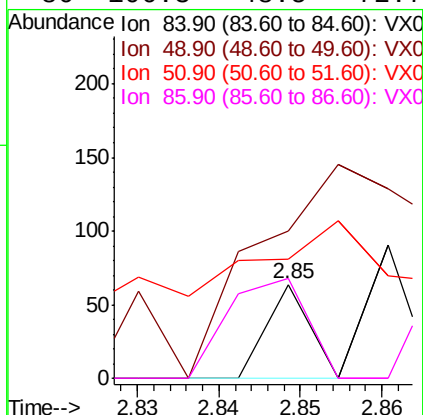
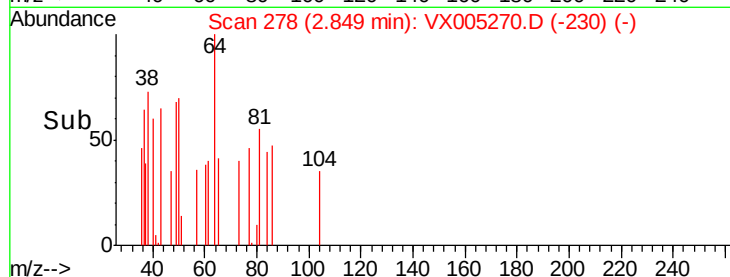
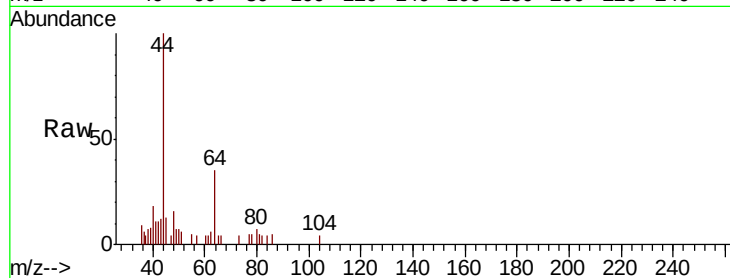
Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	84	Resp:	23
Ion	Ratio	Lower	Upper
84	100		
49	156.3	92.3	138.5#
51	39.1	31.8	47.6
86	106.3	48.5	72.7#



#25

2-Butanone

Concen: 0.233 ug/l

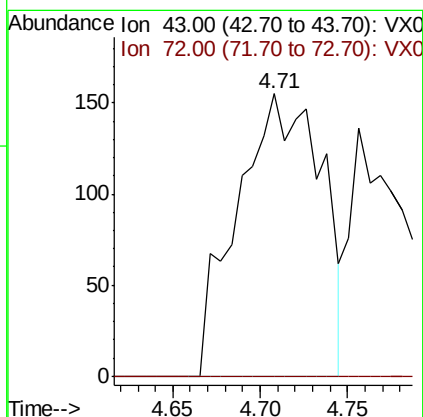
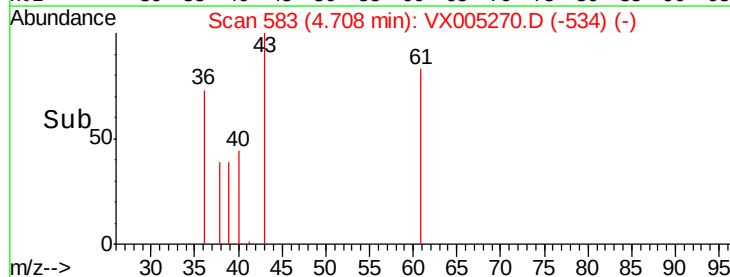
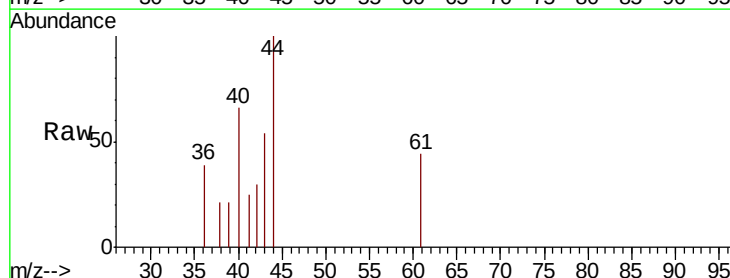
RT: 4.71 min Scan# 583

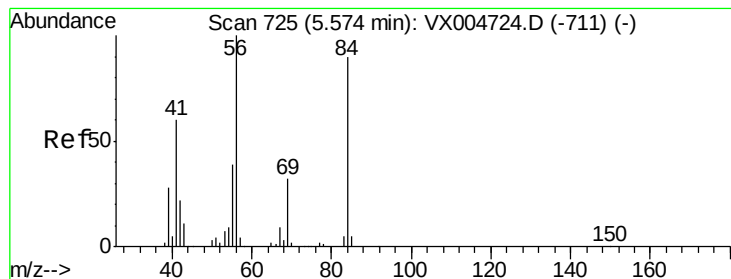
Delta R.T. -0.00 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Tgt Ion:	43	Resp:	521
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#





#31

Cyclohexane

Concen: 1.018 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

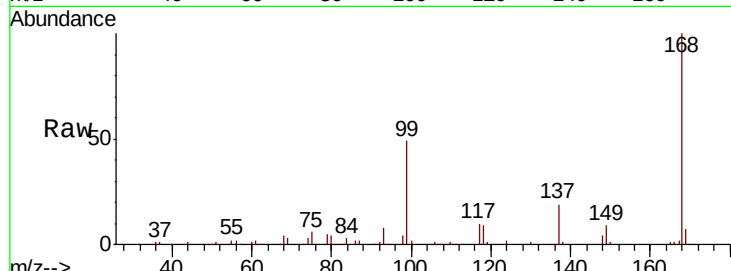
Tot Ion: 56 Resp: 3361

Ion Ratio Lower Upper

56 100

69 172.8 25.9 38.9#

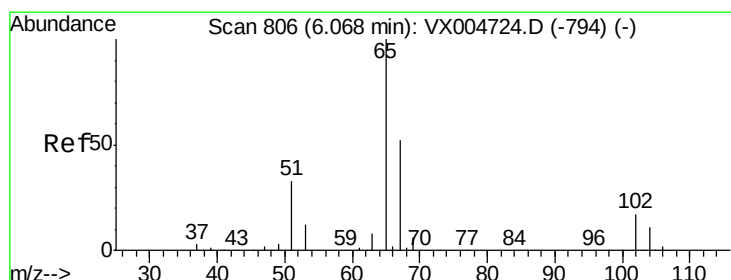
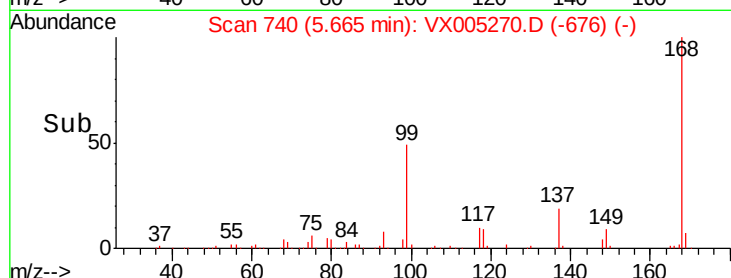
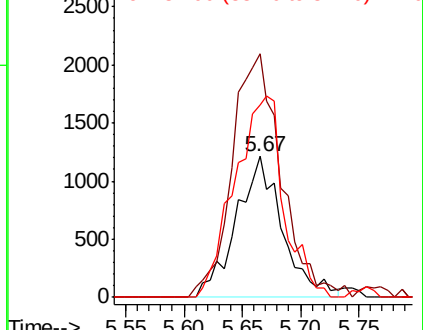
84 136.5 71.9 107.9#



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: 53.347 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005270.D

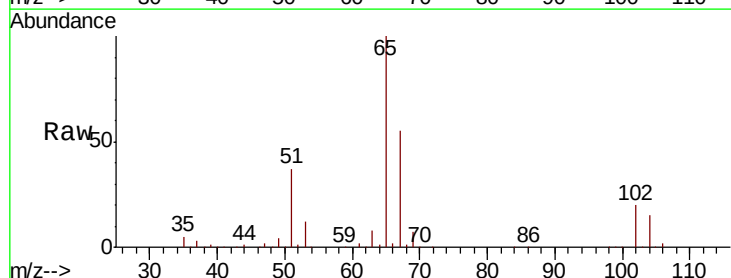
Acq: 11 Oct 2018 22:41

Tgt Ion: 65 Resp: 138385

Ion Ratio Lower Upper

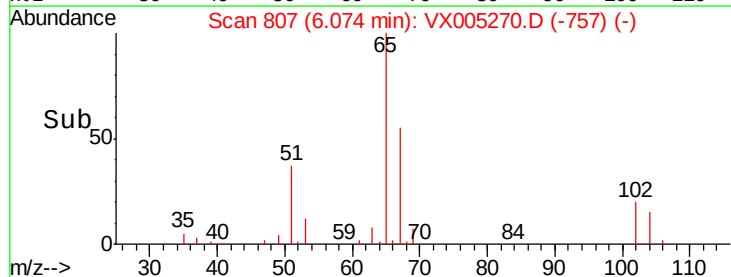
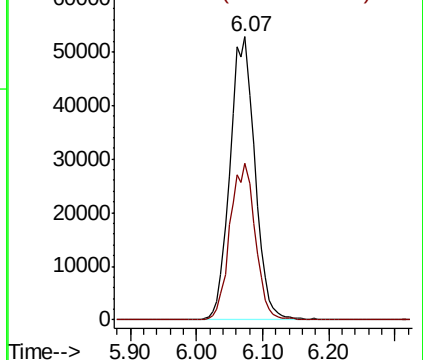
65 100

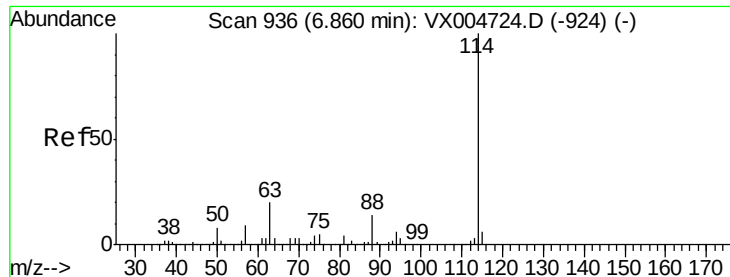
67 55.7 0.0 107.4



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: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

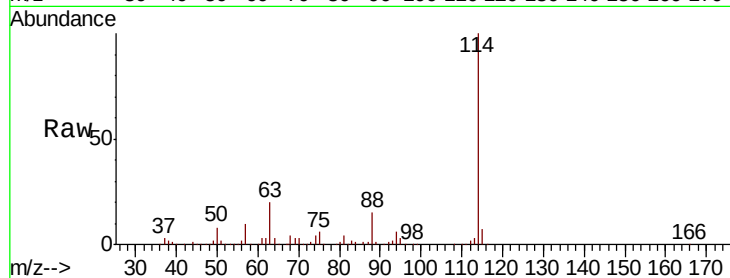
Tot Ion:114 Resp: 259404

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

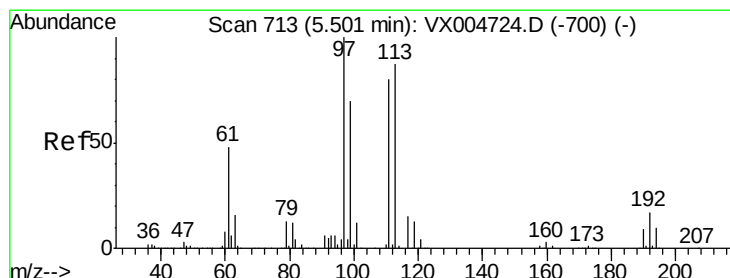
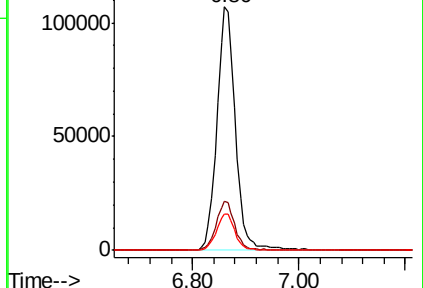
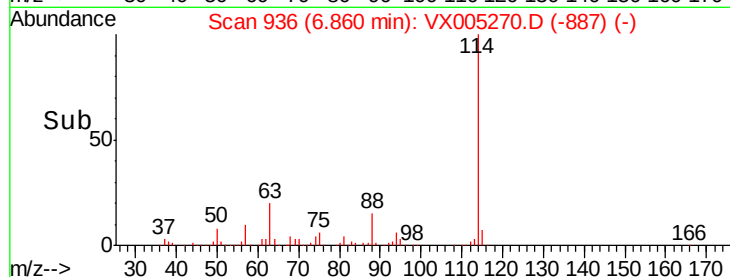
88 14.9 0.0 27.0



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: 52.988 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

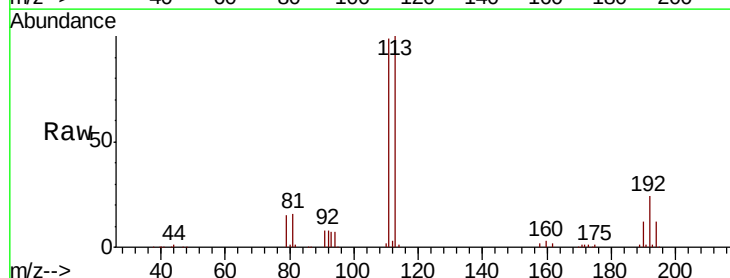
Tgt Ion:113 Resp: 116494

Ion Ratio Lower Upper

113 100

111 108.2 77.0 115.4

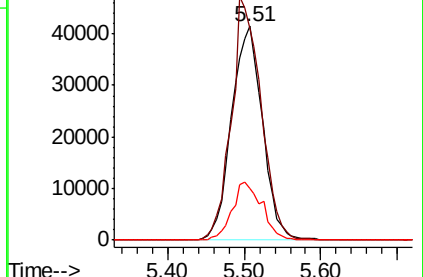
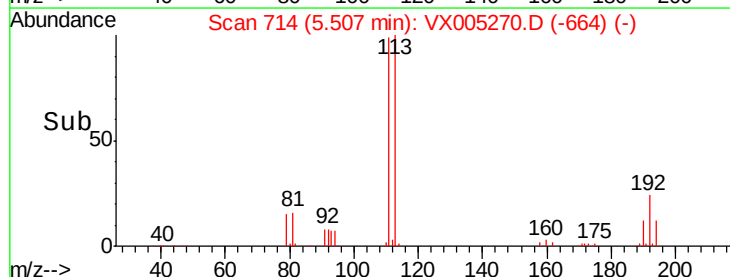
192 26.0 17.0 25.6#

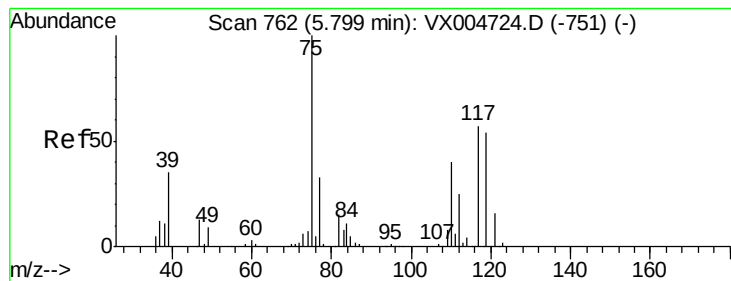


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

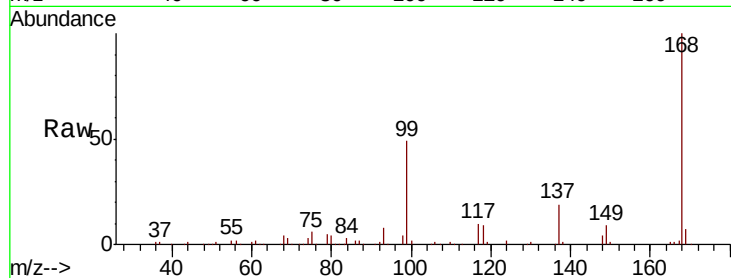
Tot Ion: 75 Resp: 12494

Ion Ratio Lower Upper

75 100

110 9.1 20.0 59.9#

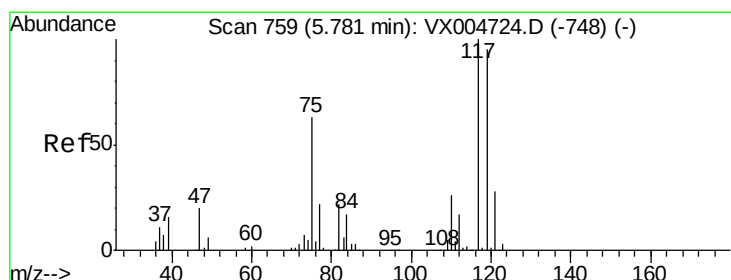
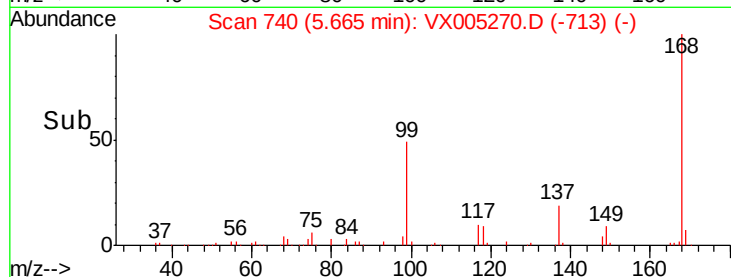
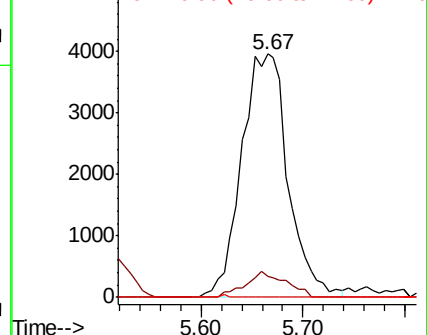
77 0.0 27.1 40.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.211 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

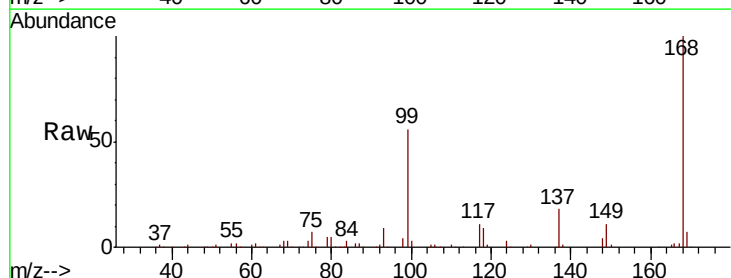
Tgt Ion: 117 Resp: 16431

Ion Ratio Lower Upper

117 100

119 6.7 75.2 112.8#

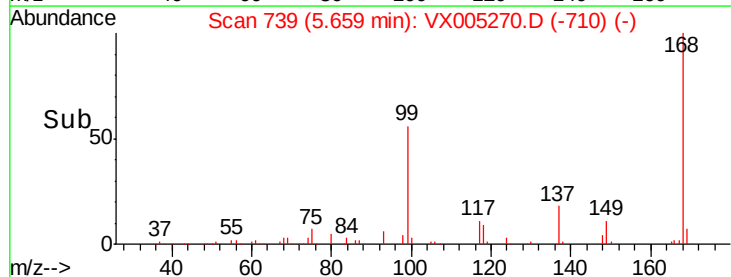
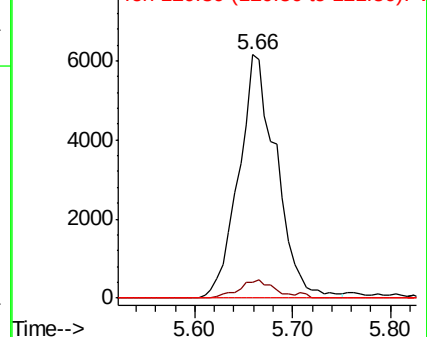
121 0.0 22.5 33.7#

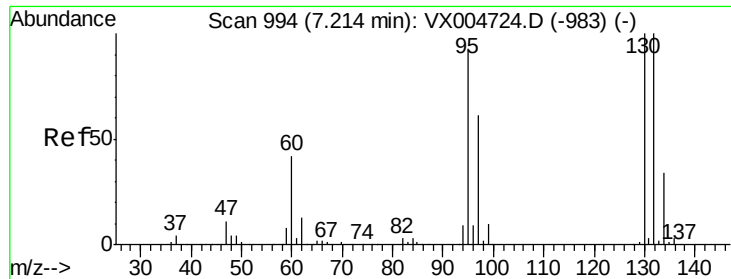


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 7.863 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

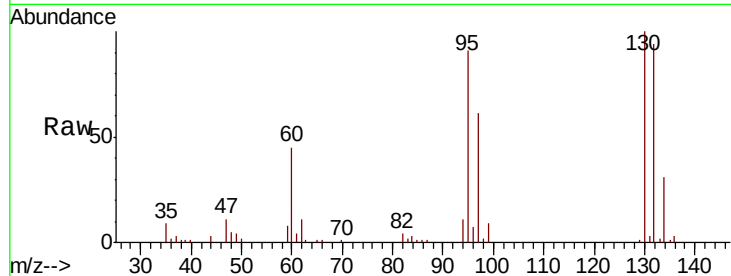
ClientSampleId :

Tot Ion:130 Resp: 18152

Ion Ratio Lower Upper

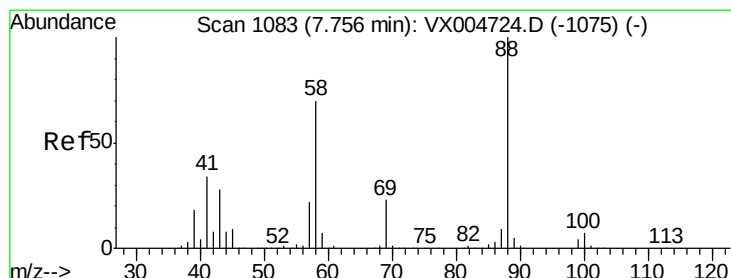
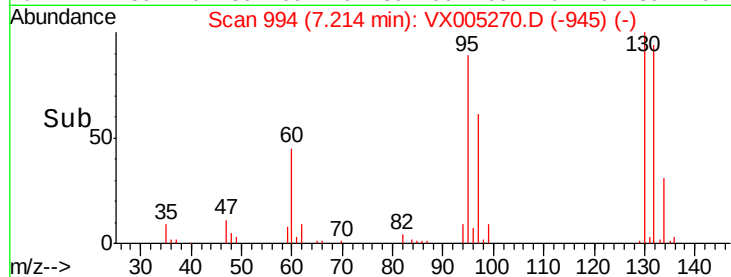
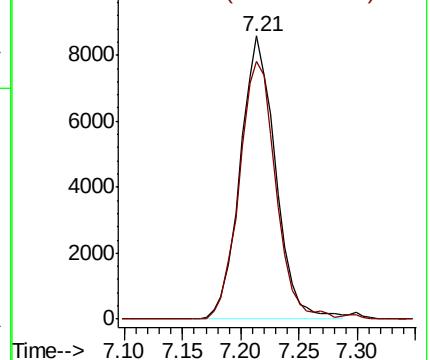
130 100

95 91.2 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 7.639 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

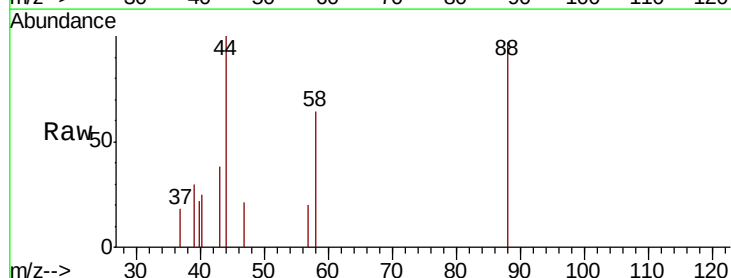
Tgt Ion: 88 Resp: 495

Ion Ratio Lower Upper

88 100

43 44.0 25.1 37.7#

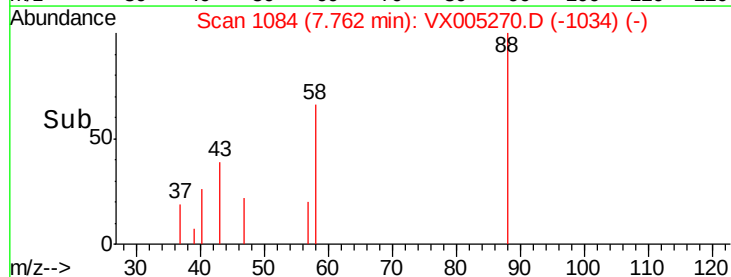
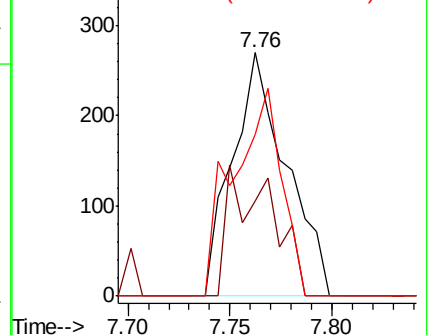
58 77.2 56.2 84.2

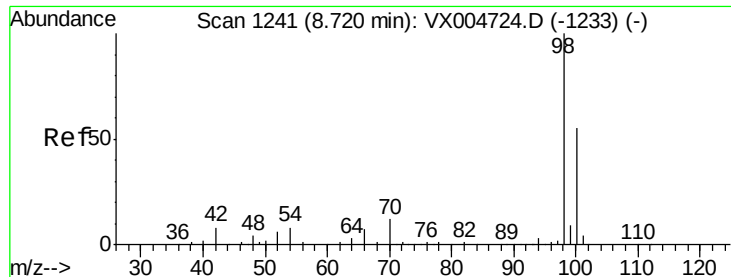


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

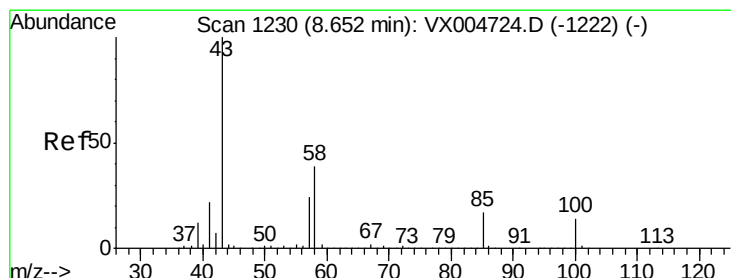
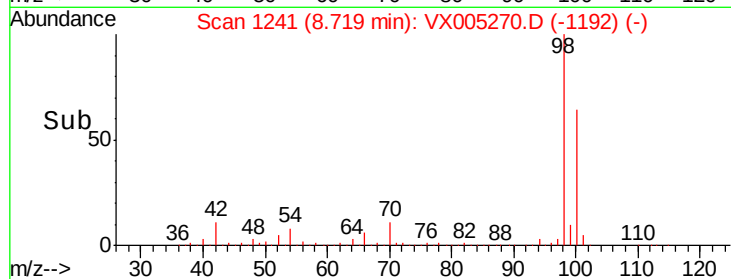
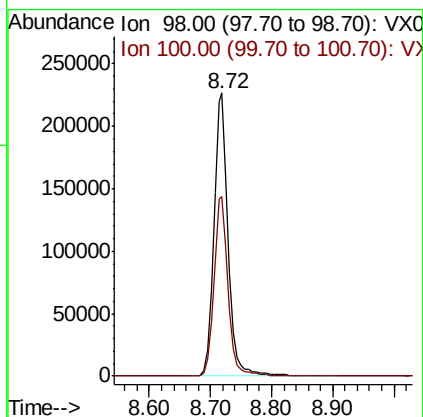
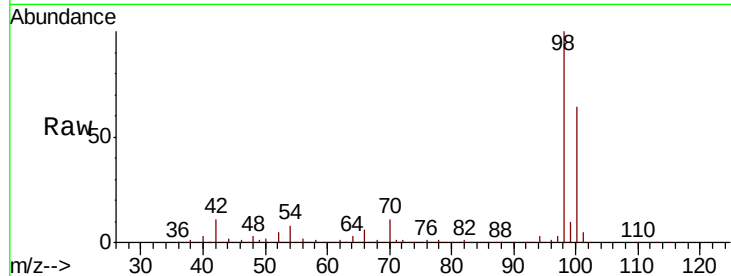




#50
Toluene-d8
Concen: 51.348 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005270.D
Acq: 11 Oct 2018 22:41

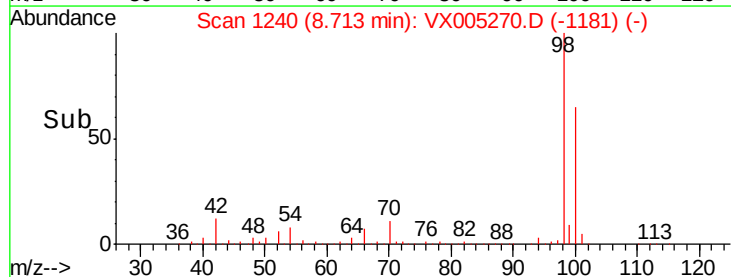
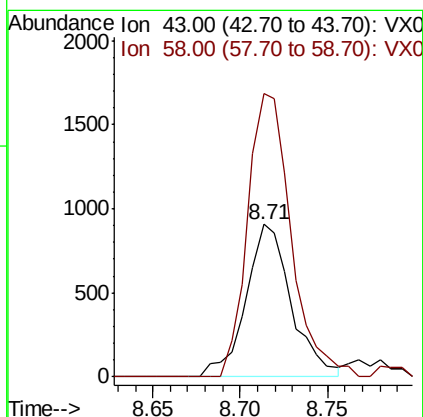
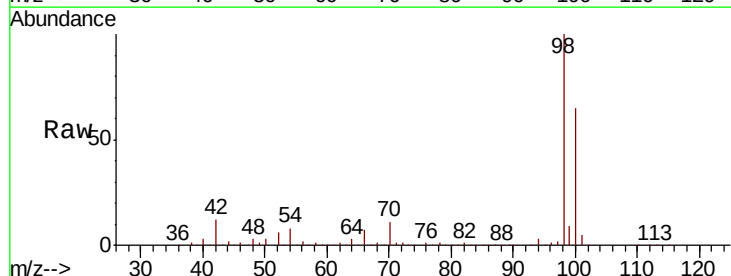
Instrument :
MSVOA_X
ClientSampled :

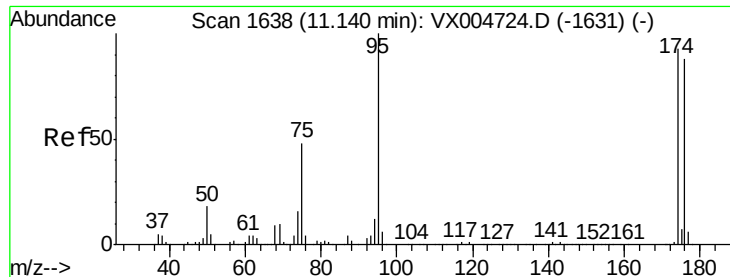
Tot Ion: 98 Resp: 375294
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.453 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX005270.D
Acq: 11 Oct 2018 22:41

Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
58 177.8 30.5 45.7#

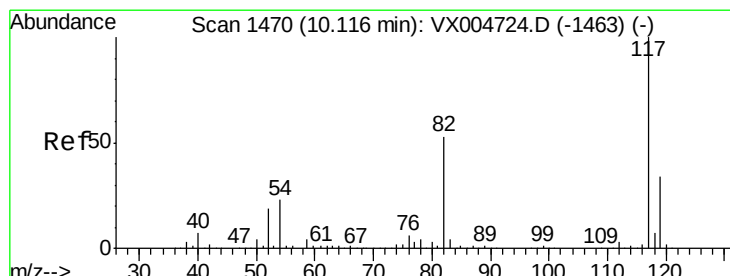
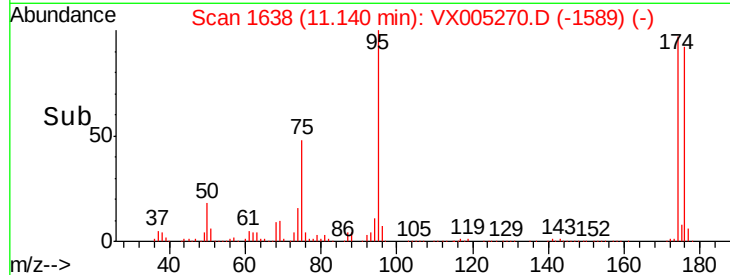
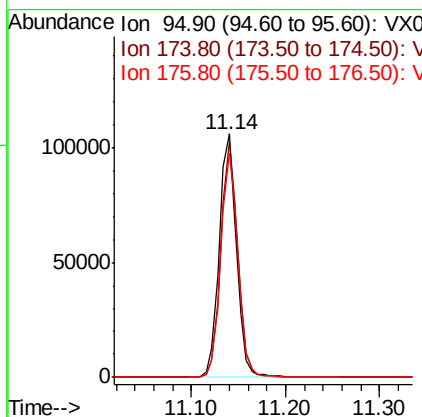
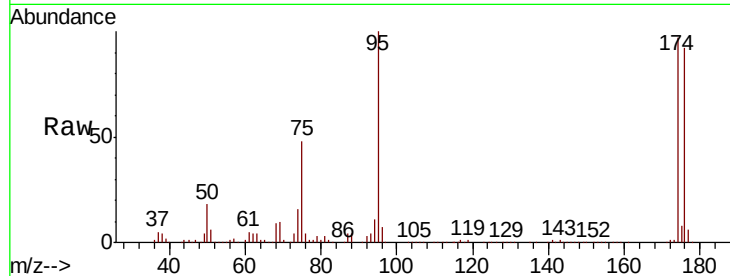




#62
 4-Bromofluorobenzene
 Concen: 51.216 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005270.D
 Acq: 11 Oct 2018 22:41

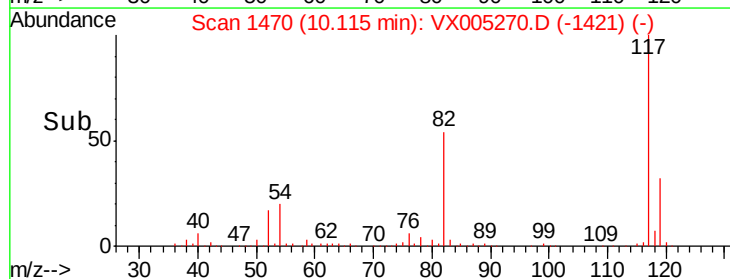
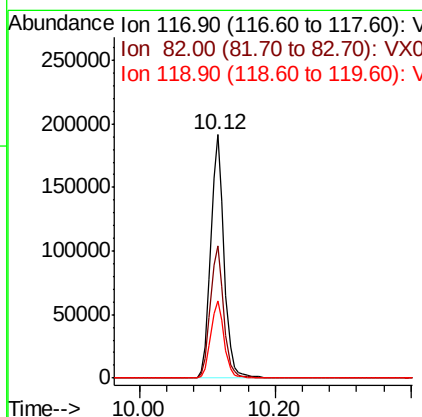
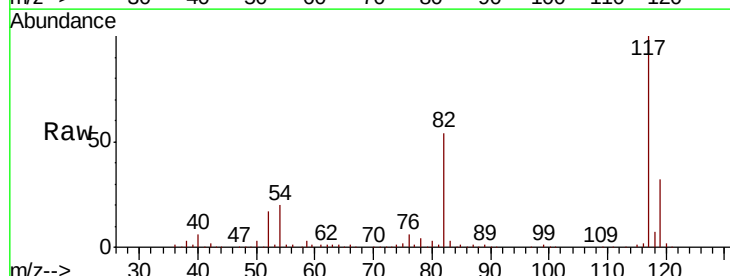
Instrument :
 MSVOA_X
 ClientSampleId :

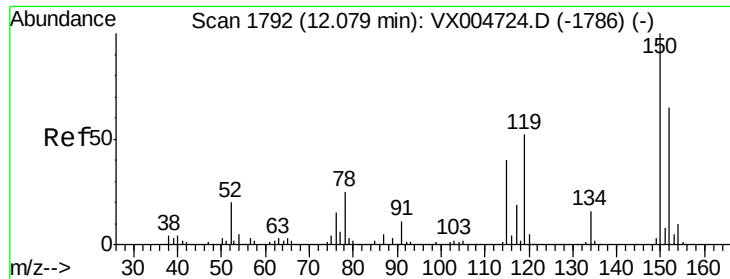
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	185.0
176	91.9	0.0	180.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX005270.D
 Acq: 11 Oct 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	31.7	27.4	41.0

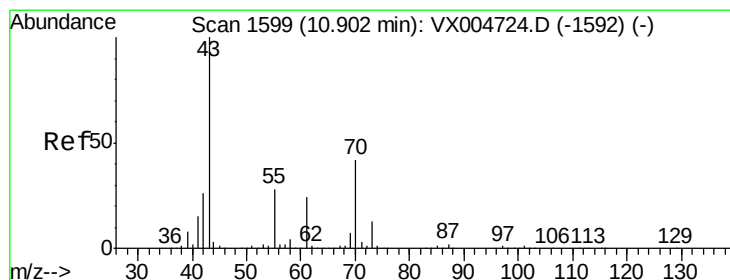
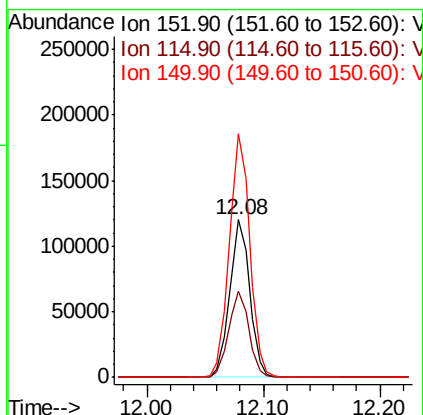
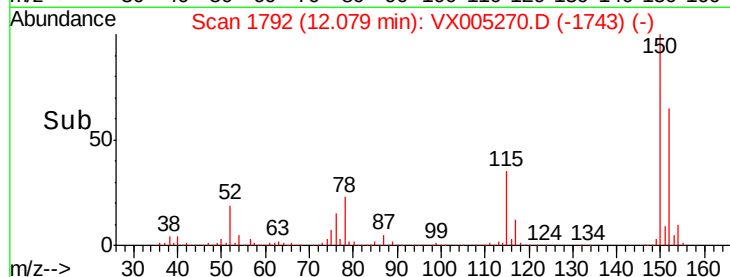
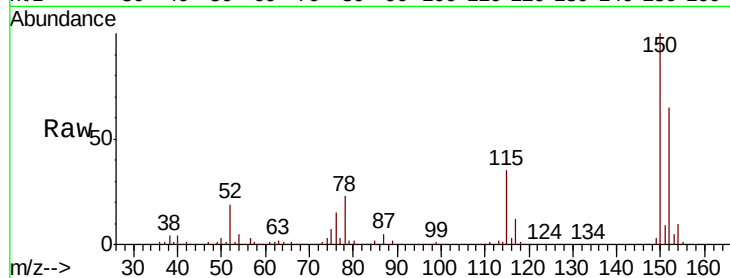




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005270.D
 Acq: 11 Oct 2018 22:41

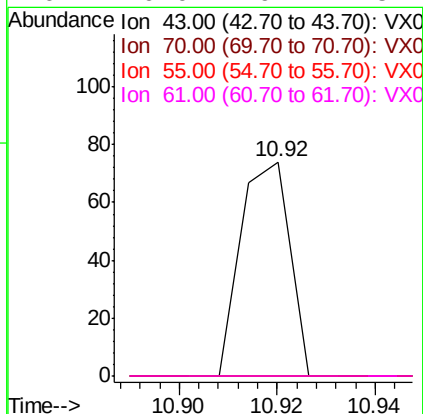
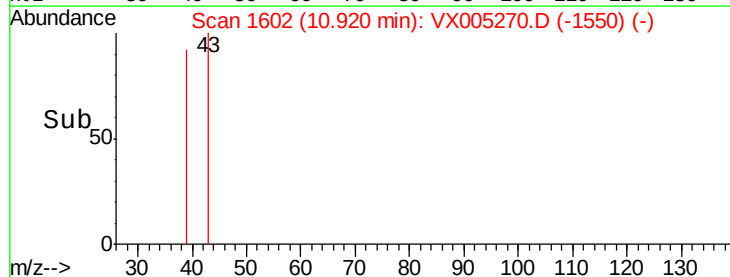
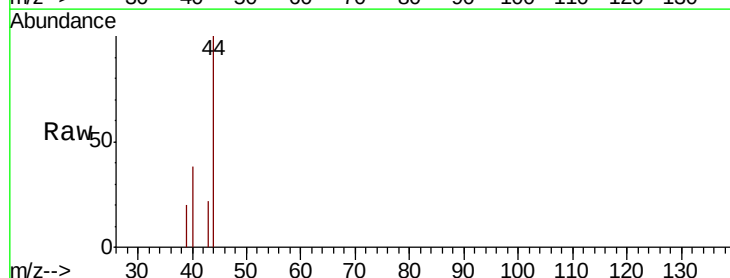
Instrument :
 MSVOA_X
 ClientSampled :

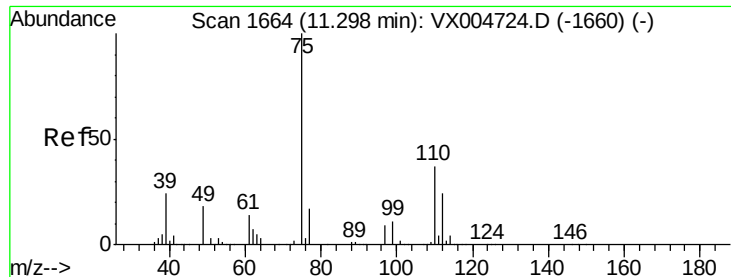
Tot Ion:152 Resp: 145229
 Ion Ratio Lower Upper
 152 100
 115 54.8 40.2 120.6
 150 156.8 0.0 351.0



#74
 N-amyl acetate
 Concen: 1.758 ug/l
 RT: 10.92 min Scan# 1602
 Delta R.T. 0.02 min
 Lab File: VX005270.D
 Acq: 11 Oct 2018 22:41

Tgt Ion: 43 Resp: 52
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.6 48.8#
 55 0.0 21.6 32.4#
 61 0.0 19.1 28.7#





#76

1,2,3-Trichloropropane

Concen: 20.515 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

Instrument :

MSVOA_X

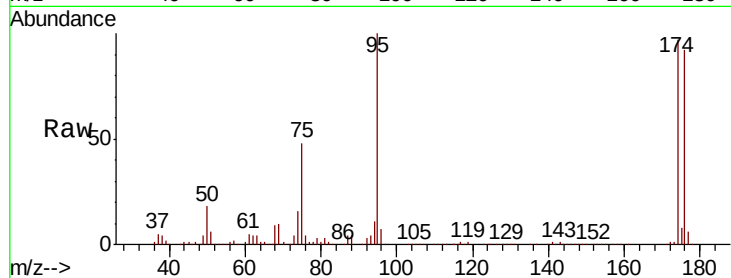
ClientSampleId :

Tot Ion: 75 Resp: 66780

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

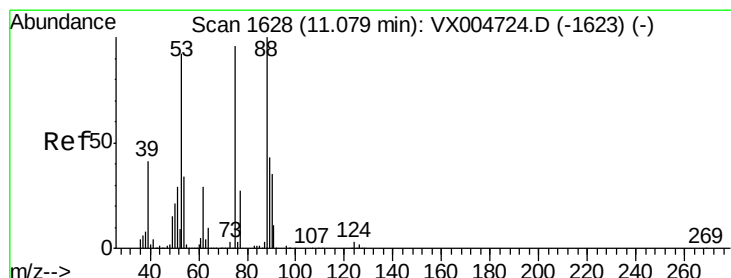
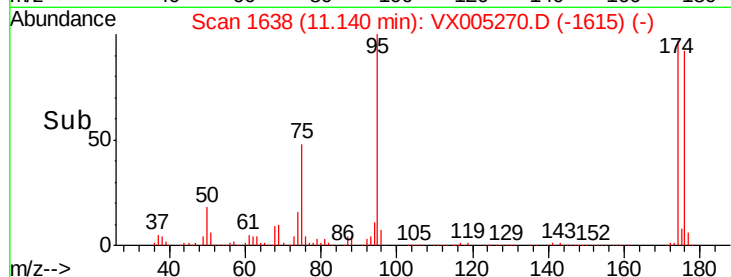
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.717 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005270.D

Acq: 11 Oct 2018 22:41

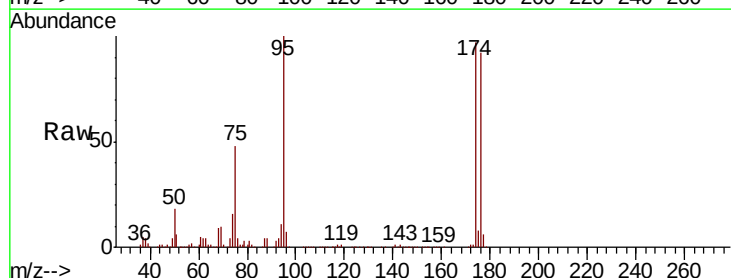
Tgt Ion: 75 Resp: 66780

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

50000

40000

30000

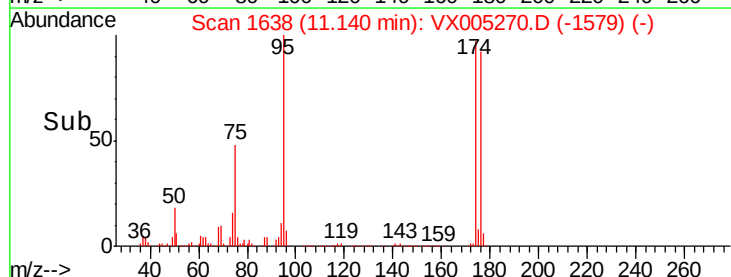
20000

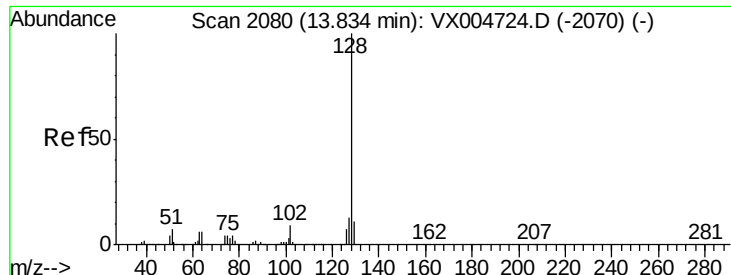
10000

0

11.10 11.20

Time-->





#95
Naphthalene
Concen: 0.747 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005270.D
Acq: 11 Oct 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

