

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006775.D
 Acq On : 22 Dec 2018 16:36
 Operator : JC/MD
 Sample : J6533-19 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

Quant Time: Dec 24 04:26:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	645613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	907931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	421515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	344855	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.51	113	306464	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	1178498	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	413597	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

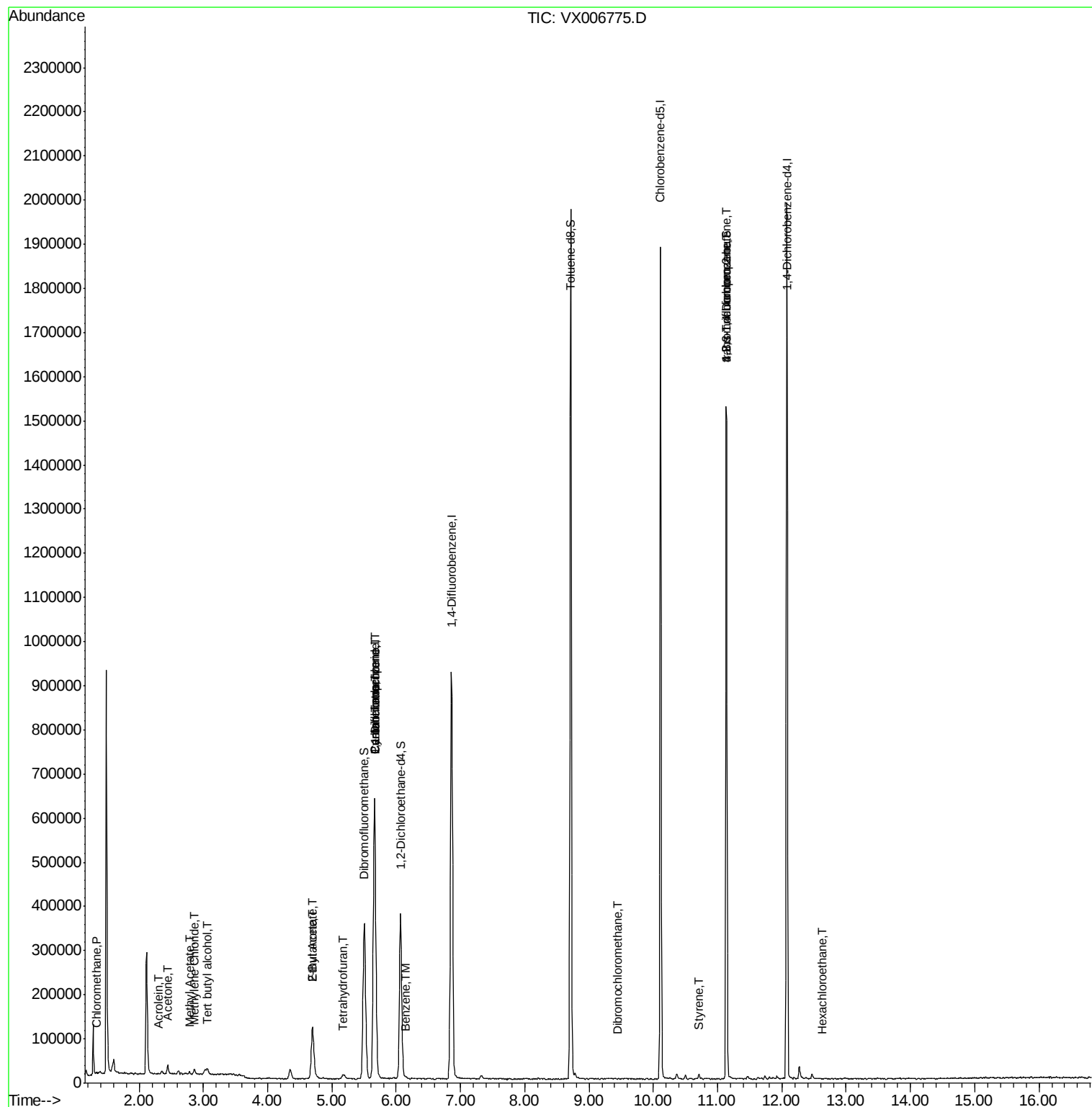
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1365	0.215	ug/l #	84
5) Bromomethane	1.66	94	394	Below Cal	#	31
11) Tert butyl alcohol	3.06	59	21703	13.976	ug/l	98
13) Acrolein	2.31	56	693	0.662	ug/l #	30
16) Acetone	2.45	43	20134	6.298	ug/l	94
18) Methyl Acetate	2.78	43	6151	0.654	ug/l #	88
20) Methylene Chloride	2.85	84	5805	0.878	ug/l #	84
25) 2-Butanone	4.70	43	211198	46.968	ug/l	98
28) Bromochloromethane	5.02	49	275	Below Cal	#	29
29) Tetrahydrofuran	5.17	42	918	0.310	ug/l #	54
31) Cyclohexane	5.66	56	11177	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	41489	4.980	ug/l #	49
37) Ethyl Acetate	4.70	43	211198	24.355	ug/l #	67
38) Carbon Tetrachloride	5.66	117	59965	7.406	ug/l #	15
40) Benzene	6.15	78	6077	0.240	ug/l #	79
49) 1,4-Dioxane	7.77	88	608	Below Cal	#	70
60) Dibromochloromethane	9.44	129	36	2.329	ug/l	77
70) Styrene	10.71	104	4458	0.230	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	192270	24.545	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	192270	72.606	ug/l #	10
90) Hexachloroethane	12.62	117	51	3.305	ug/l	72

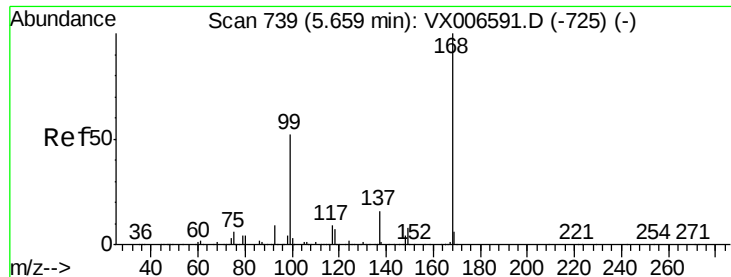
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

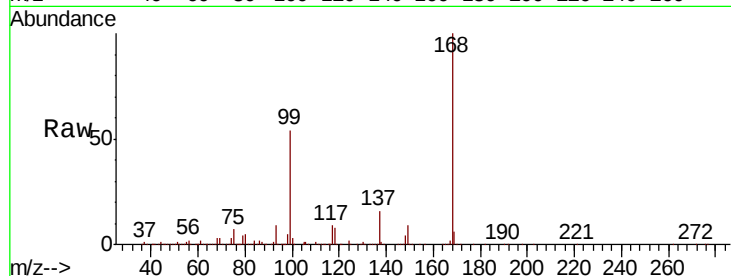
COMP-5

Tot Ion:168 Resp: 645613

Ion Ratio Lower Upper

168 100

99 53.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

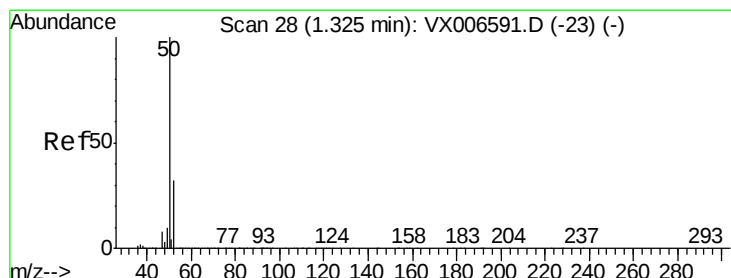
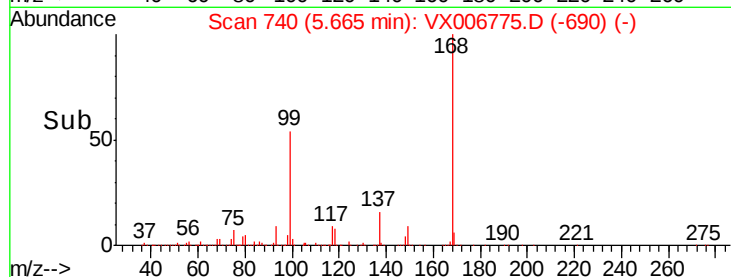
50000

0

Time-->

5.50 5.60 5.70 5.80

5.67



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.34 min Scan# 31

Delta R.T. 0.02 min

Lab File: VX006775.D

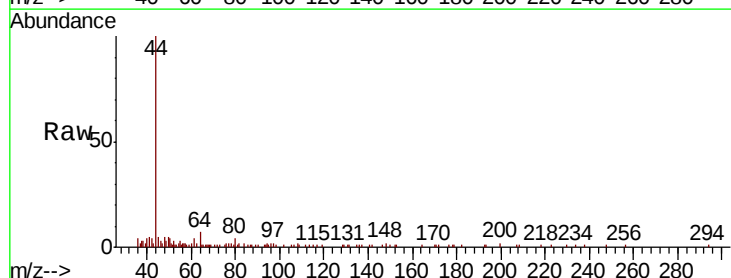
Acq: 22 Dec 2018 16:36

Tgt Ion: 50 Resp: 1365

Ion Ratio Lower Upper

50 100

52 23.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

400

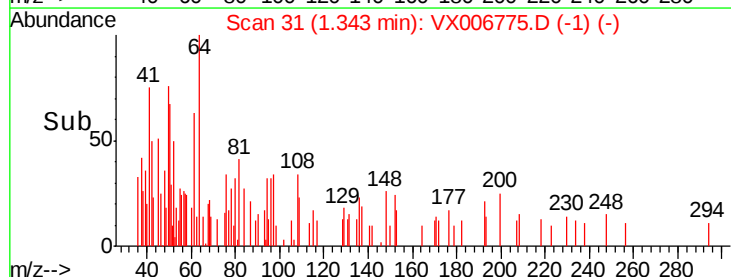
200

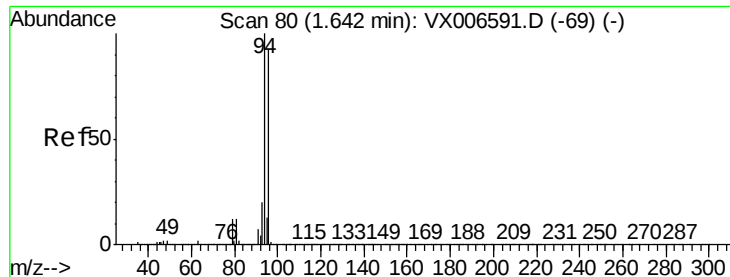
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Time-->

1.30 1.35

1.34





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

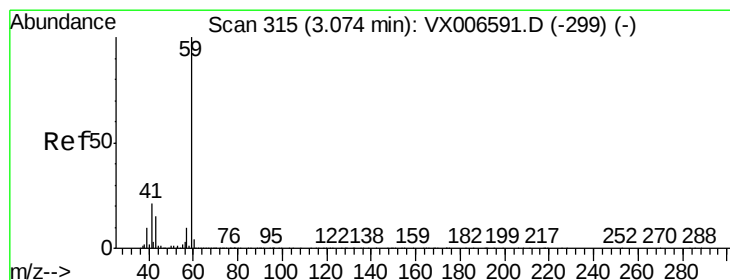
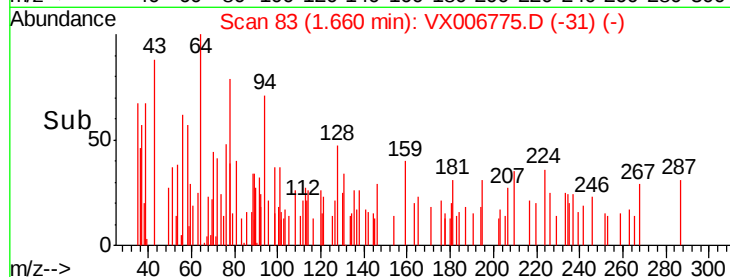
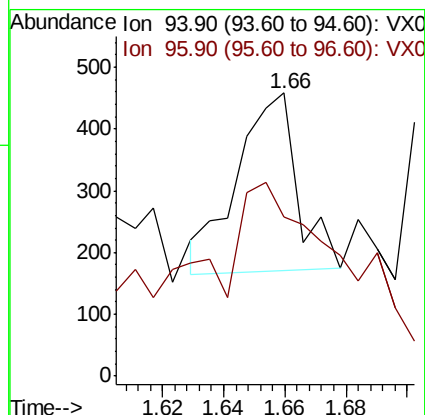
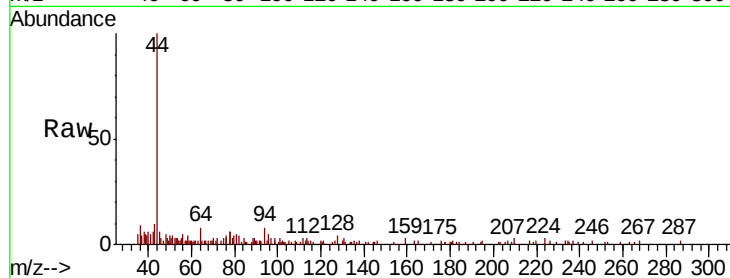
COMP-5

Tot Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 25.8 73.4 110.2#



#11

Tert butyl alcohol

Concen: 13.976 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006775.D

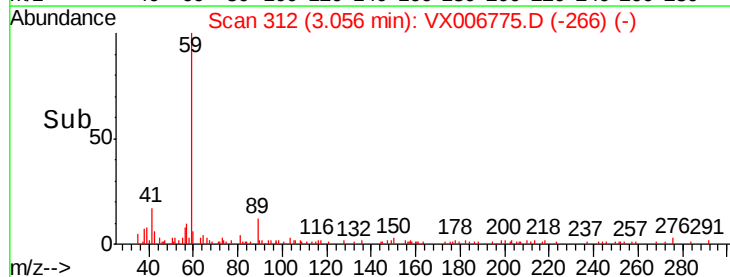
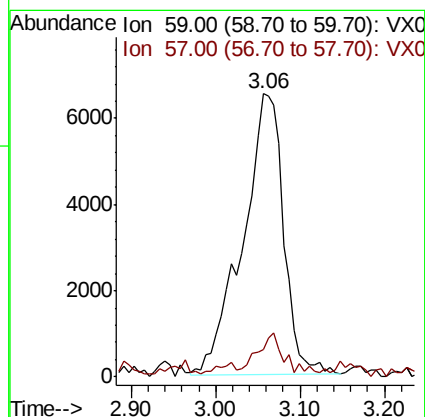
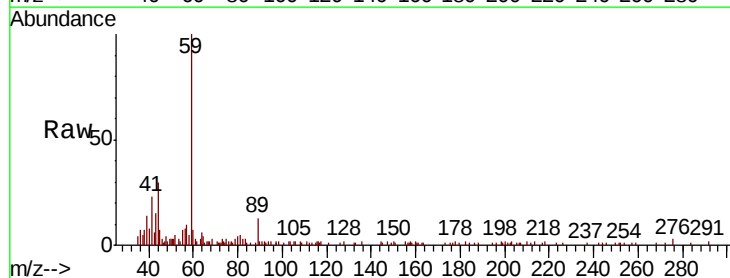
Acq: 22 Dec 2018 16:36

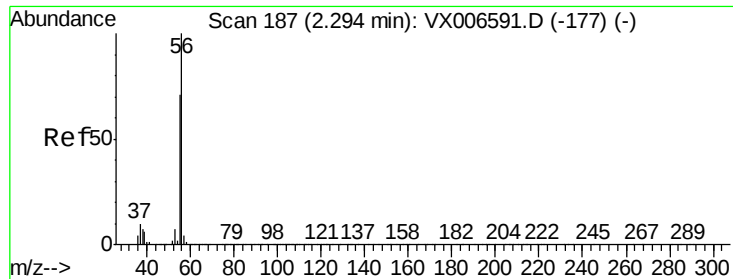
Tgt Ion: 59 Resp: 21703

Ion Ratio Lower Upper

59 100

57 11.2 8.5 12.7





#13

Acrolein

Concen: 0.662 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

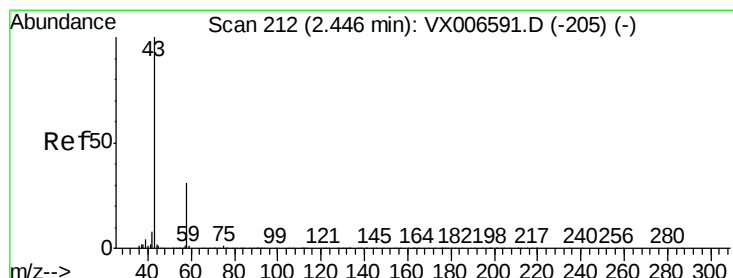
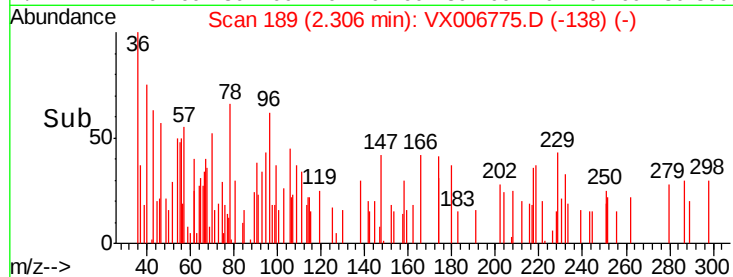
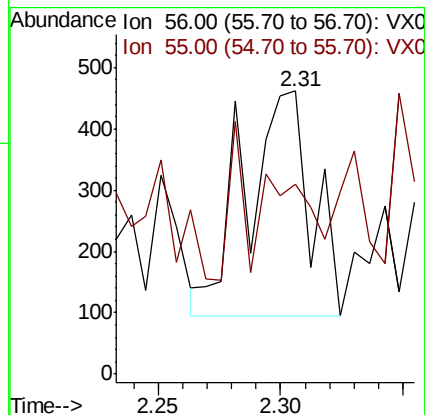
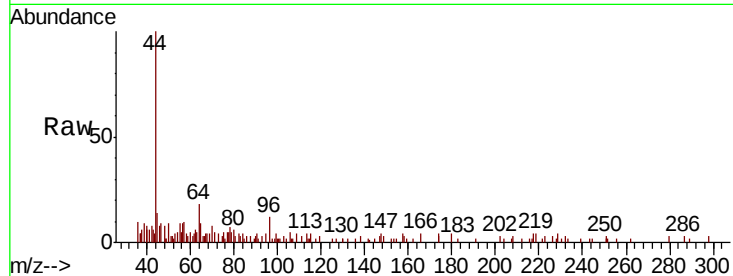
COMP-5

Tot Ion: 56 Resp: 693

Ion Ratio Lower Upper

56 100

55 14.0 58.2 87.4#



#16

Acetone

Concen: 6.298 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006775.D

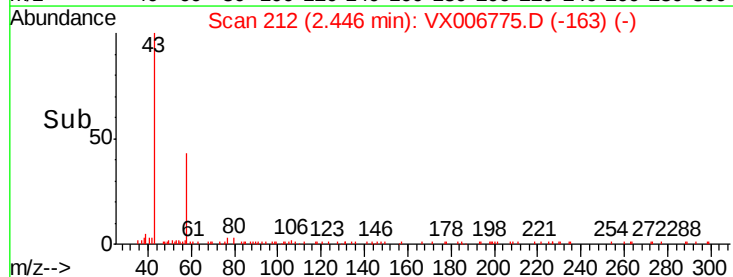
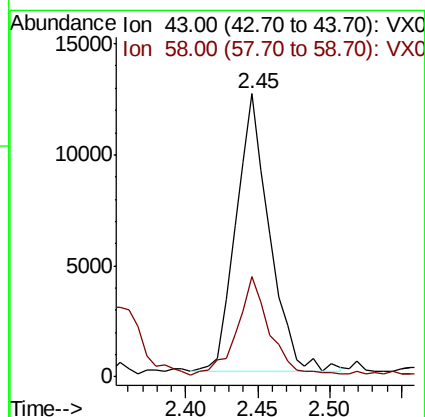
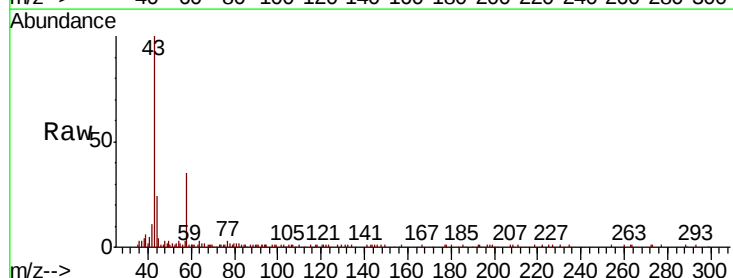
Acq: 22 Dec 2018 16:36

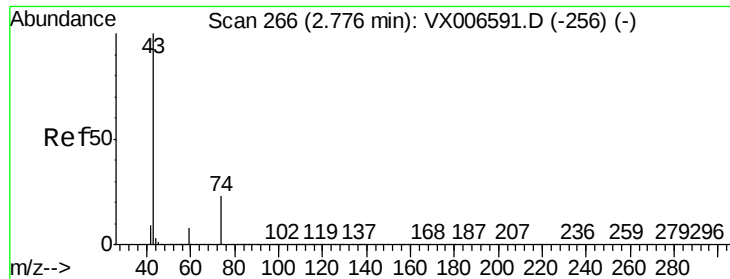
Tgt Ion: 43 Resp: 20134

Ion Ratio Lower Upper

43 100

58 34.8 25.0 37.6

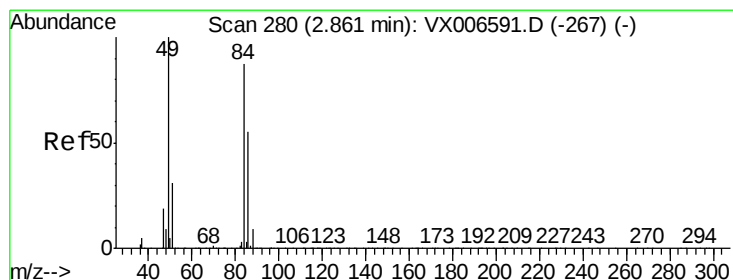
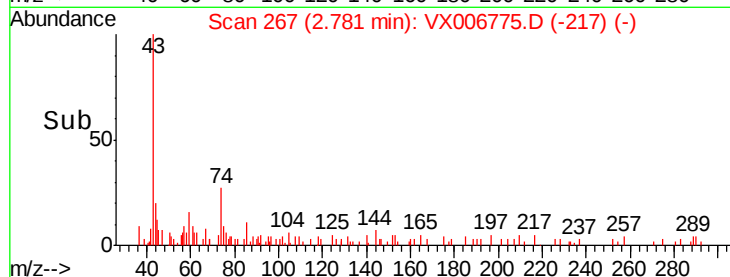
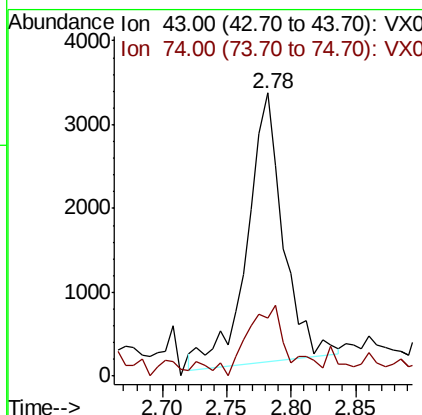
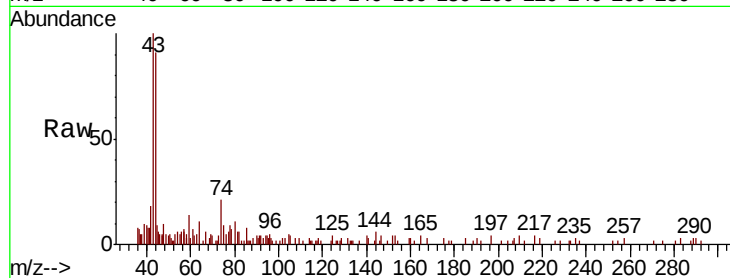




#18
Methvl Acetate
Concen: 0.654 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

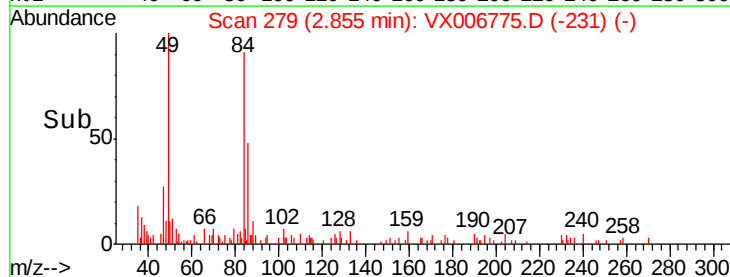
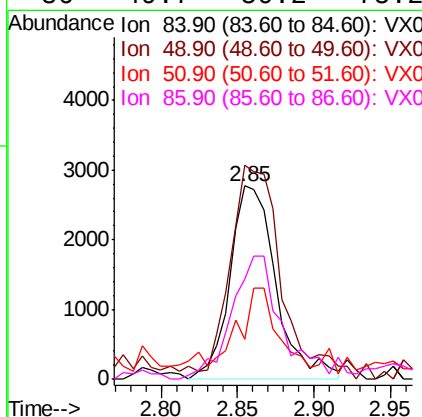
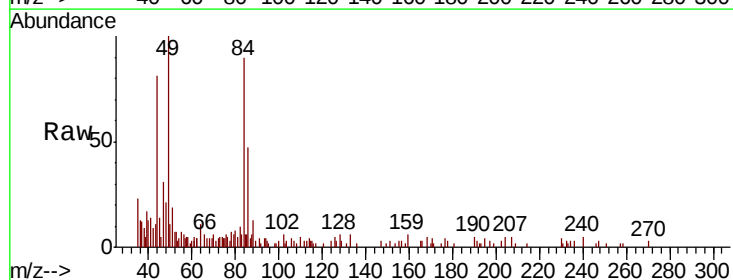
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

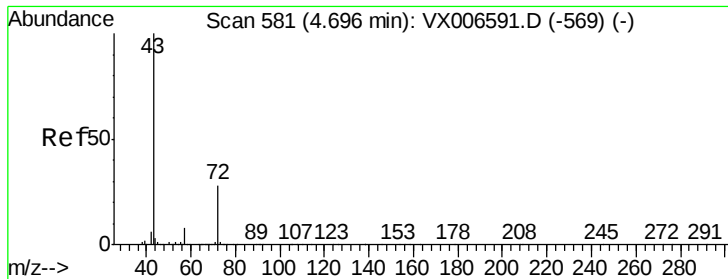
Tot Ion: 43 Resp: 6151
Ion Ratio Lower Upper
43 100
74 29.0 18.6 28.0#



#20
Methylene Chloride
Concen: 0.878 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

Tgt Ion: 84 Resp: 5805
Ion Ratio Lower Upper
84 100
49 104.2 91.8 137.6
51 15.8 28.5 42.7#
86 49.7 50.2 75.2#





#25

2-Butanone

Concen: 46.968 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

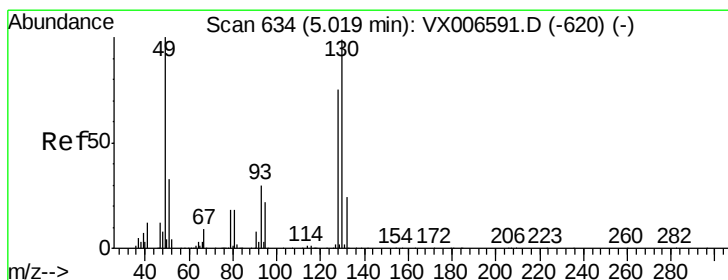
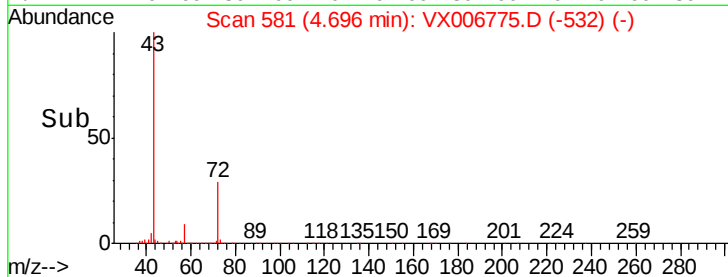
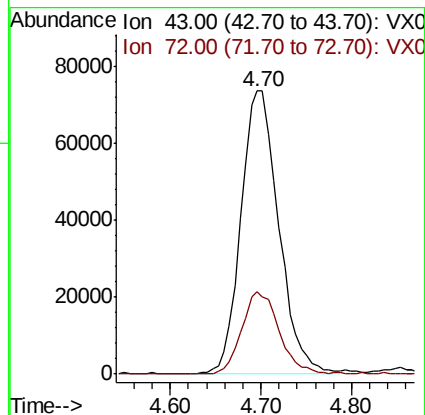
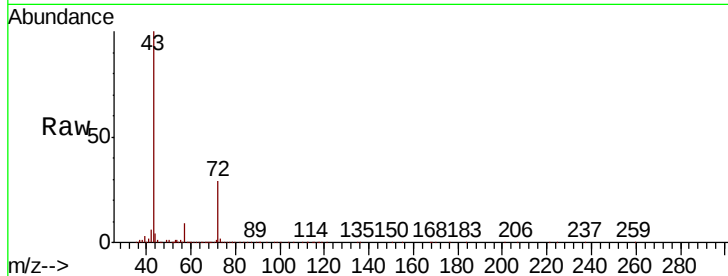
COMP-5

Tot Ion: 43 Resp: 211198

Ion Ratio Lower Upper

43 100

72 28.9 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

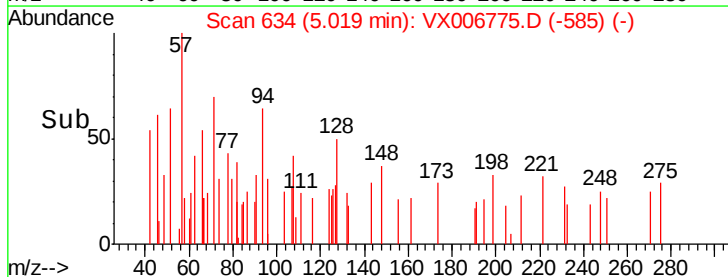
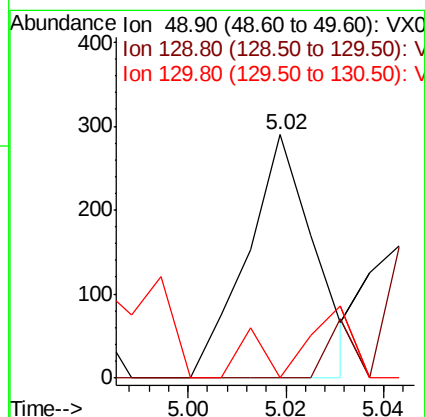
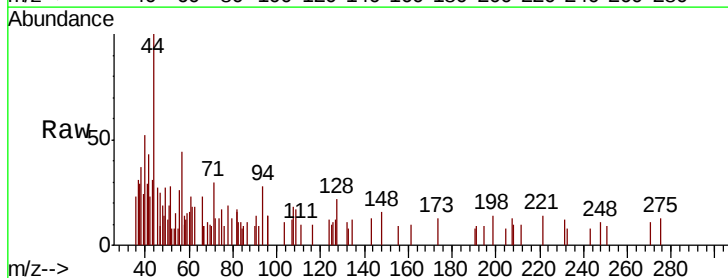
Tgt Ion: 49 Resp: 275

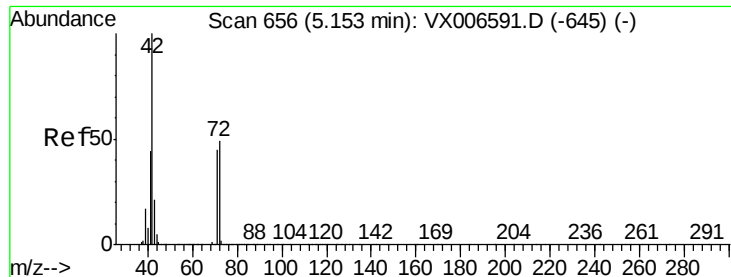
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 25.8 77.7 116.5#

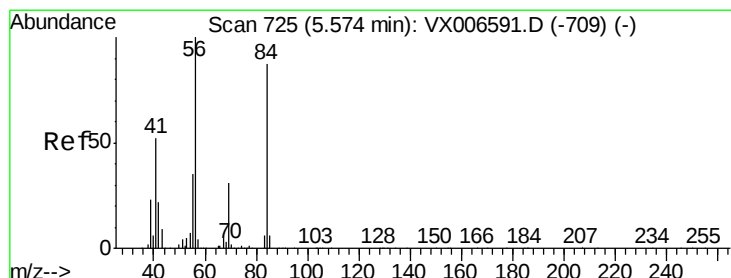
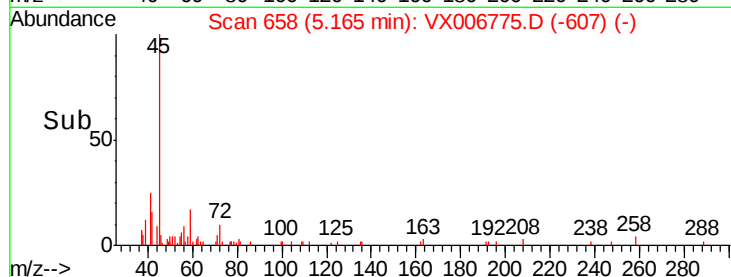
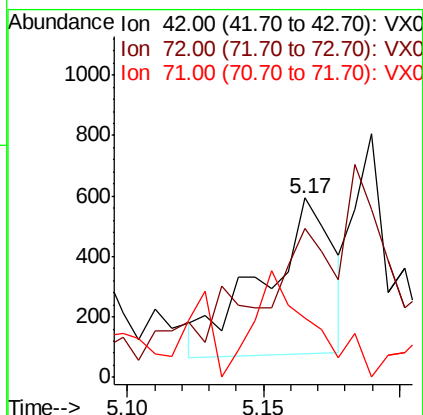
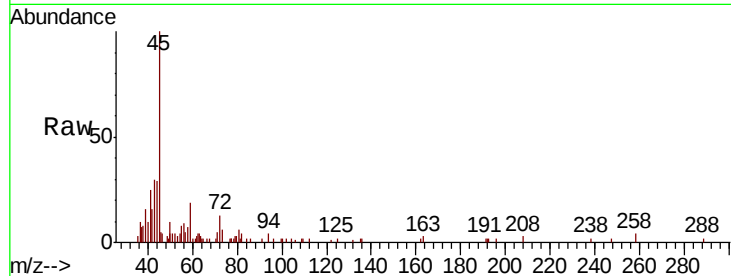




#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

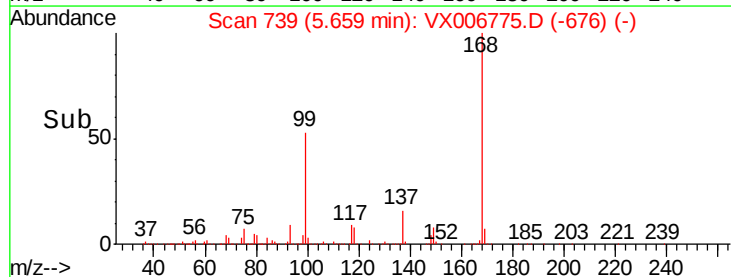
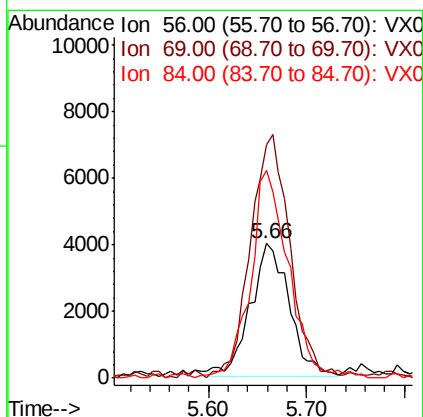
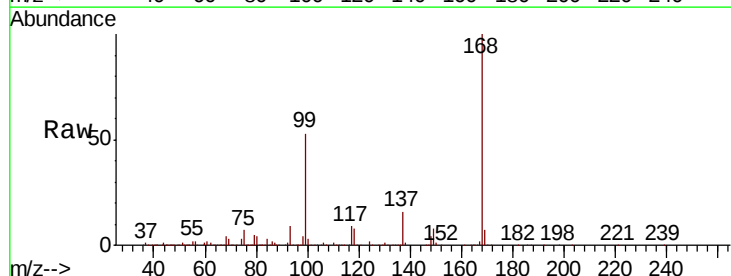
Instrument :
MSVOA_X
ClientSampled :
COMP-5

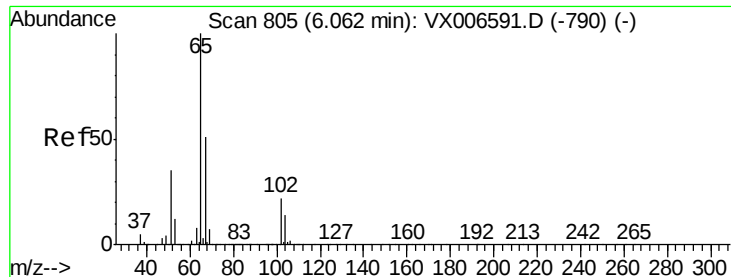
Tot Ion: 42 Resp: 918
Ion Ratio Lower Upper
42 100
72 0.0 38.9 58.3#
71 57.1 36.2 54.4#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

Tgt Ion: 56 Resp: 11177
Ion Ratio Lower Upper
56 100
69 174.2 24.4 36.6#
84 155.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.561 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

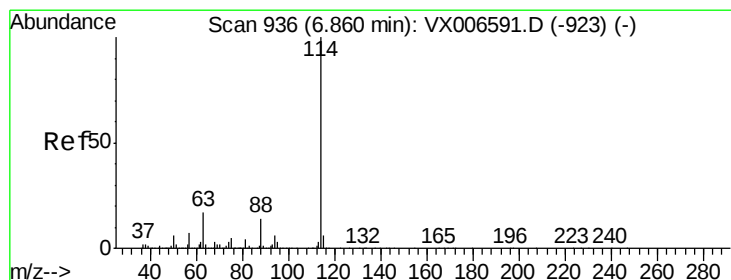
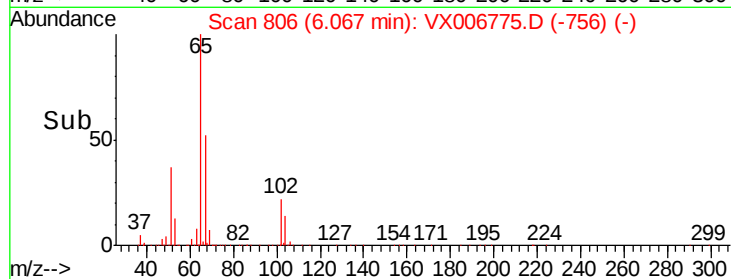
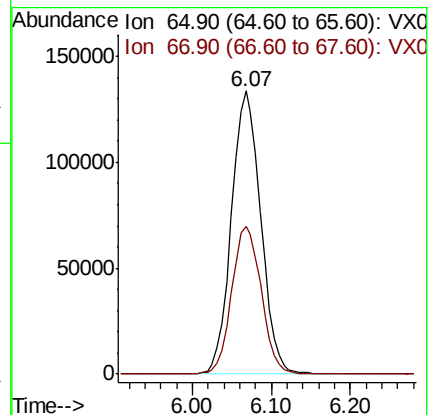
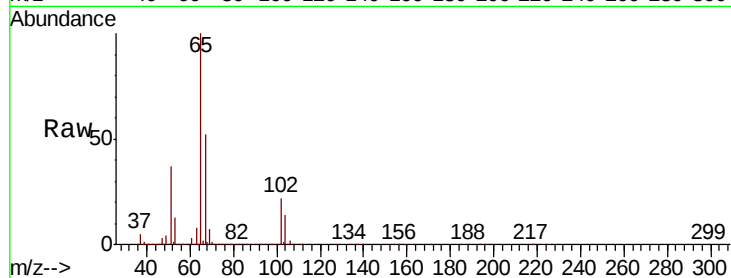
COMP-5

Tot Ion: 65 Resp: 344855

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

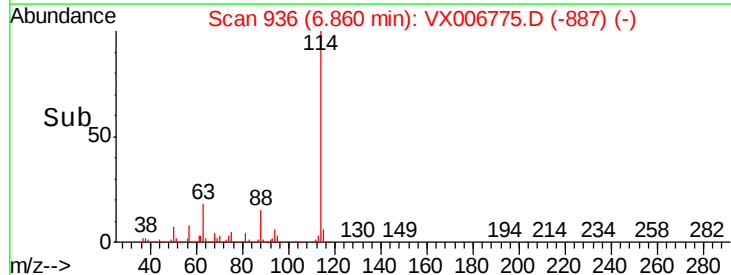
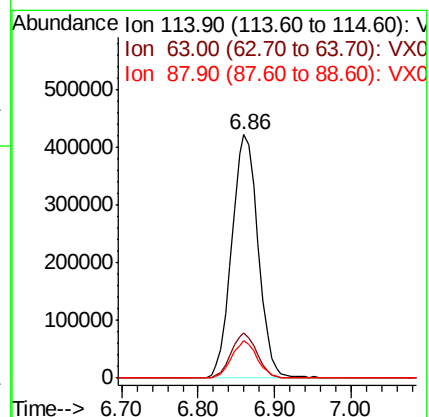
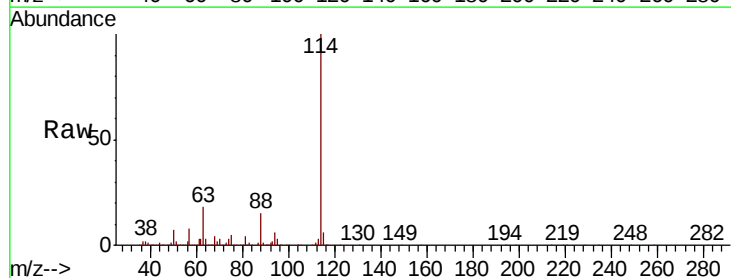
Tgt Ion: 114 Resp: 1005954

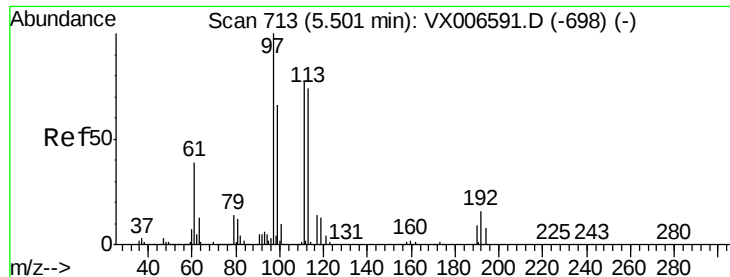
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

88 15.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.175 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

COMP-5

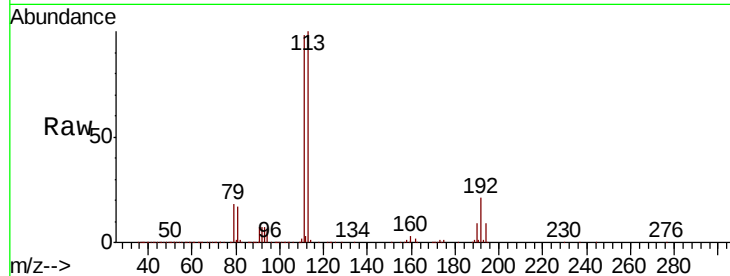
Tot Ion:113 Resp: 306464

Ion Ratio Lower Upper

113 100

111 100.8 81.6 122.4

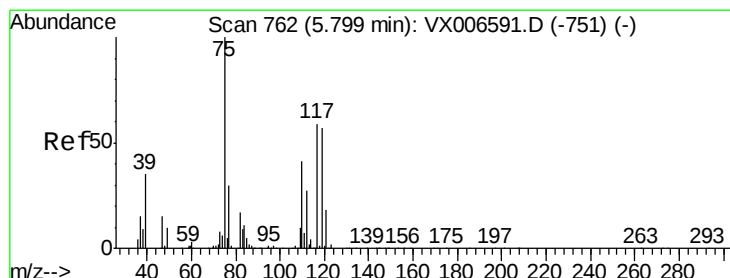
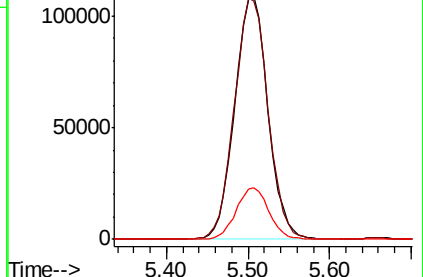
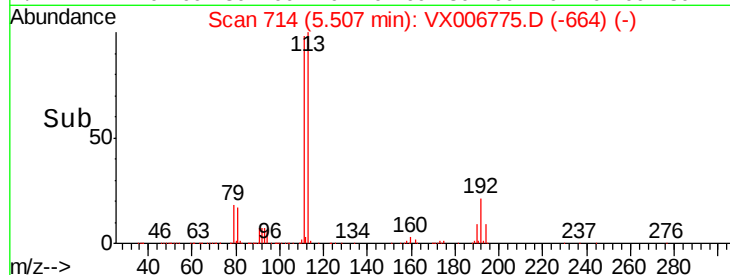
192 21.0 16.7 25.1



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: 4.980 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

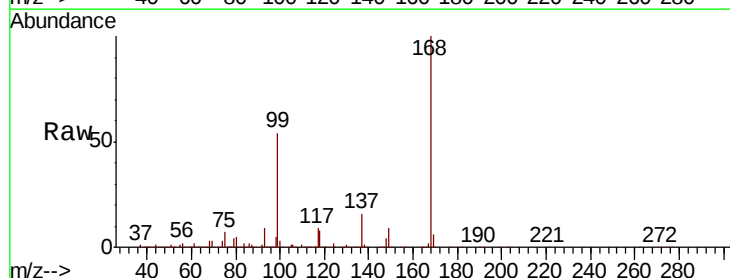
Tgt Ion: 75 Resp: 41489

Ion Ratio Lower Upper

75 100

110 11.2 20.2 60.5#

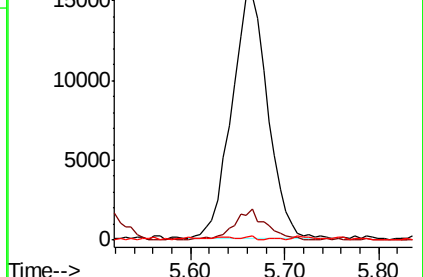
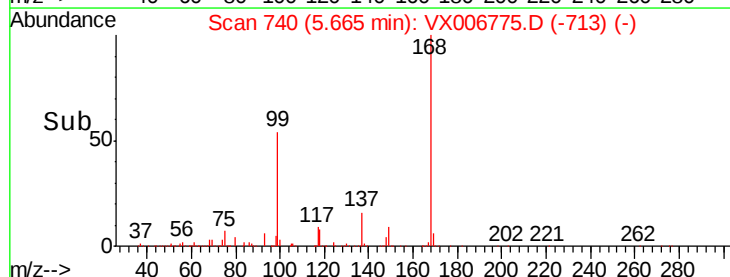
77 0.5 24.8 37.2#

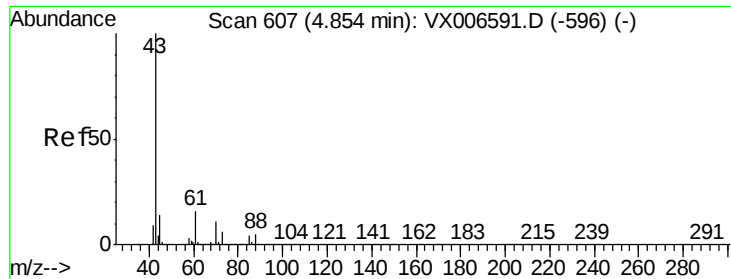


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

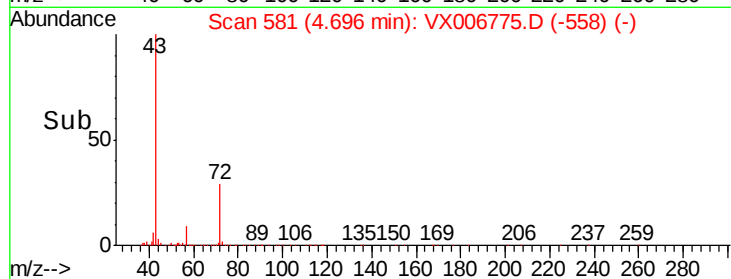
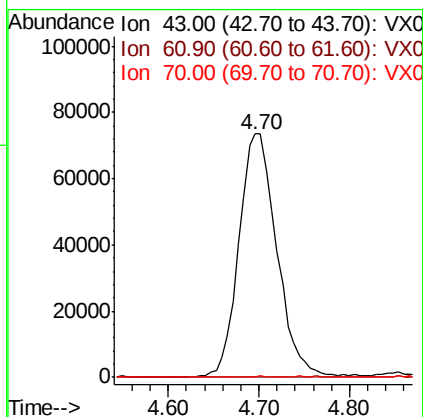
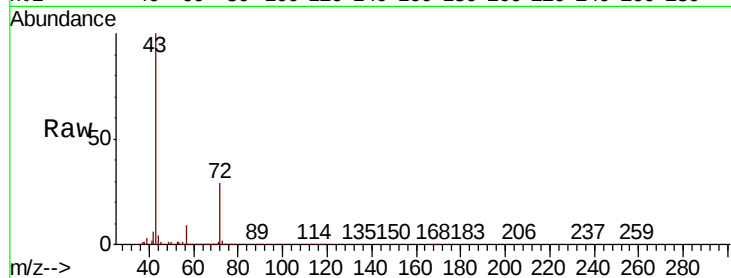




#37
Ethyl Acetate
Concen: 24.355 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.16 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

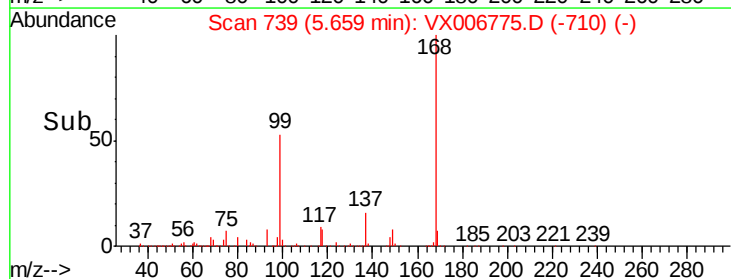
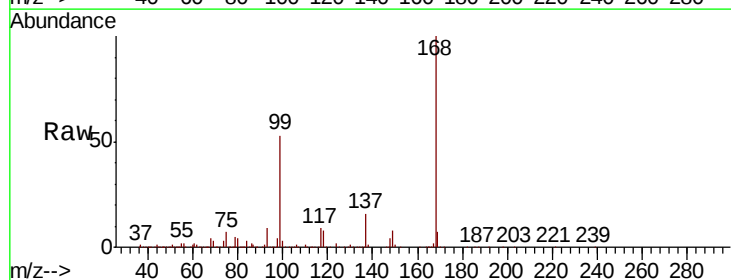
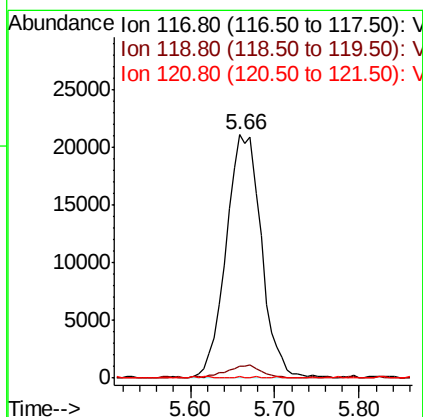
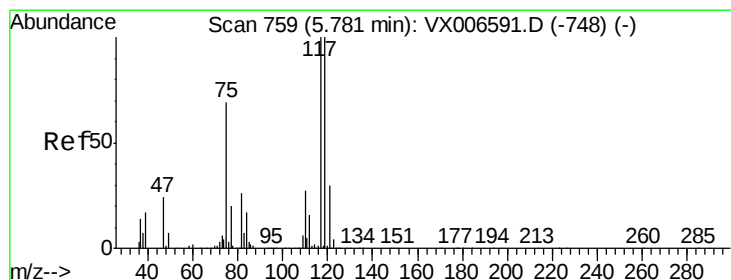
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

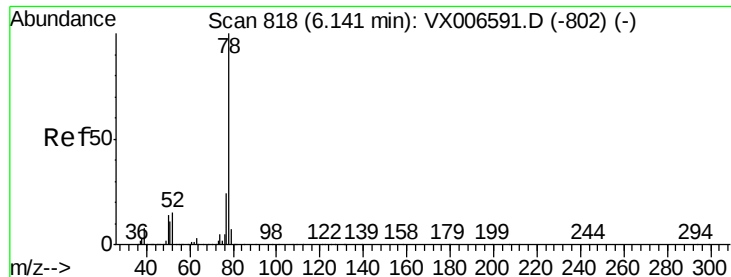
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.1	11.9	17.9#
70	0.3	9.7	14.5#



#38
Carbon Tetrachloride
Concen: 7.406 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	79.4	119.2#
121	0.5	24.0	36.0#





#40

Benzene

Concen: 0.240 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

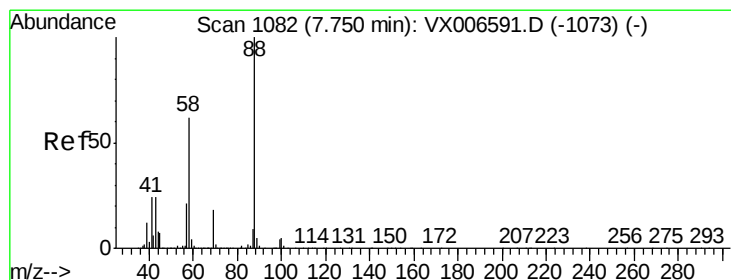
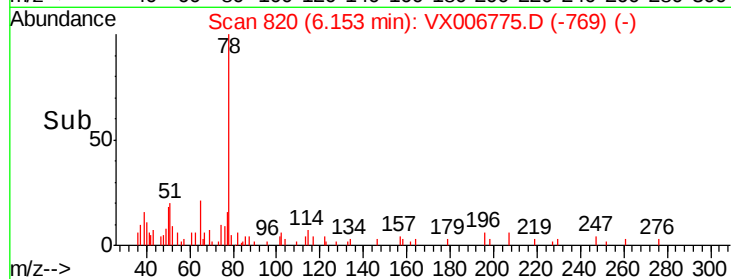
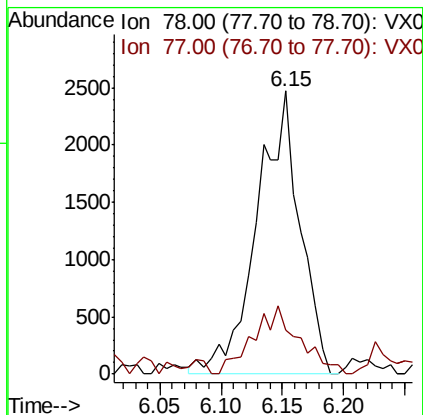
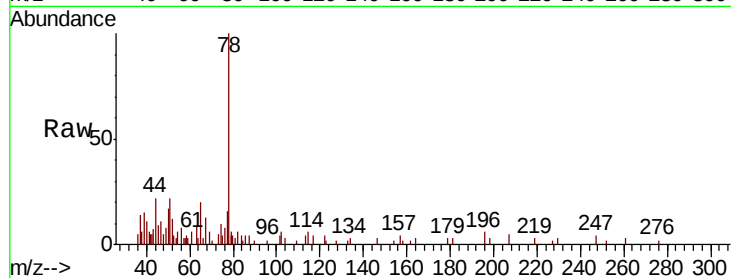
COMP-5

Tot Ion: 78 Resp: 6077

Ion Ratio Lower Upper

78 100

77 13.7 19.2 28.8#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

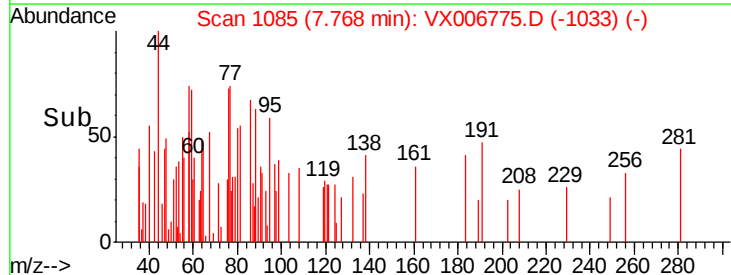
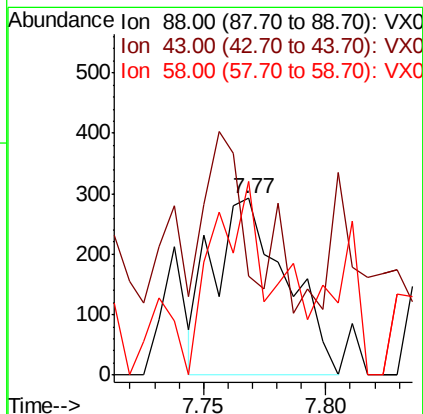
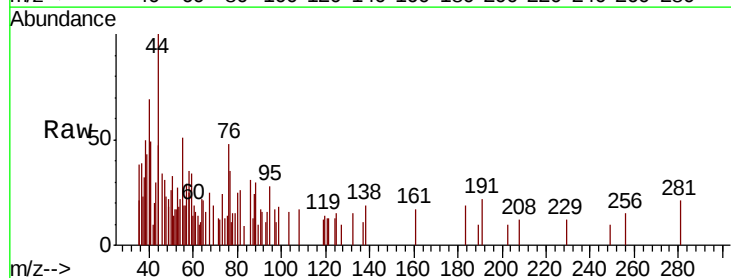
Tgt Ion: 88 Resp: 608

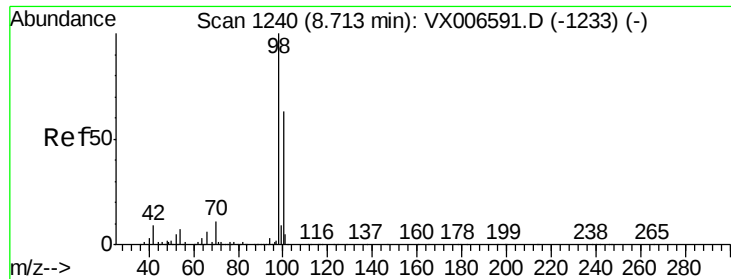
Ion Ratio Lower Upper

88 100

43 61.8 22.2 33.4#

58 75.3 51.0 76.4





#50

Toluene-d8

Concen: 49.139 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

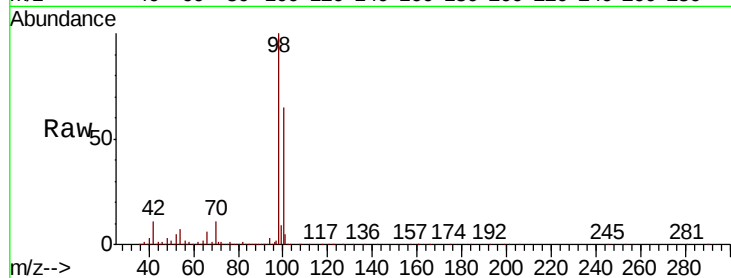
COMP-5

Tot Ion: 98 Resp: 1178498

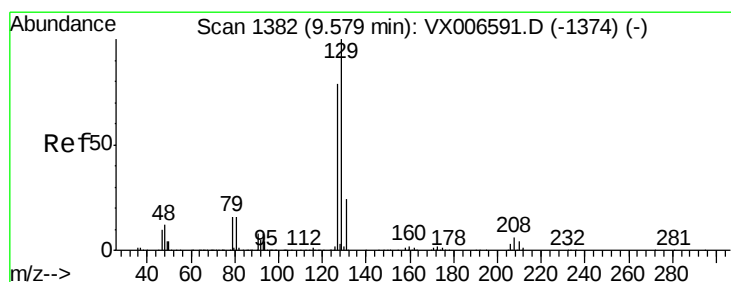
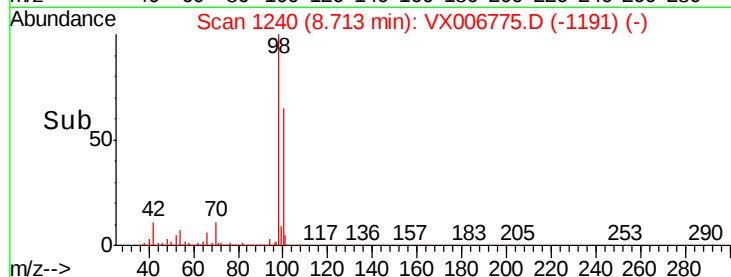
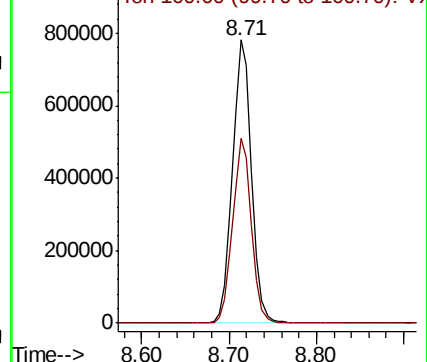
Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006591.D (-1233) (-)



#60

Dibromochloromethane

Concen: 2.329 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.14 min

Lab File: VX006775.D

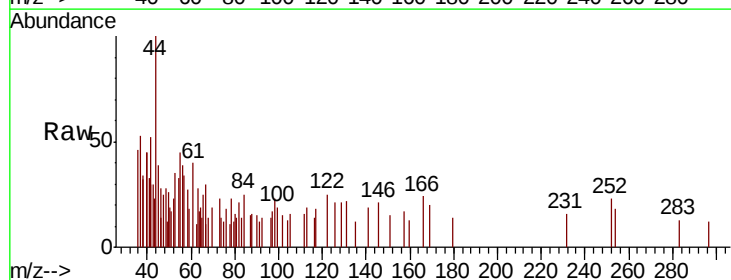
Acq: 22 Dec 2018 16:36

Tgt Ion:129 Resp: 36

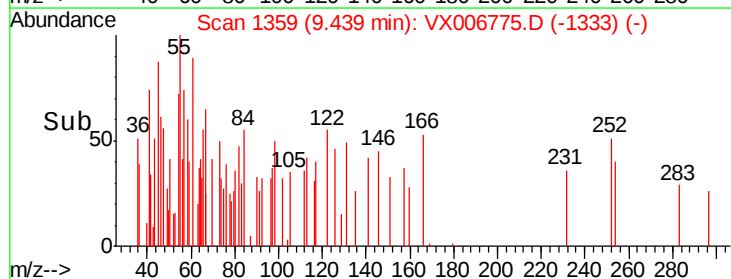
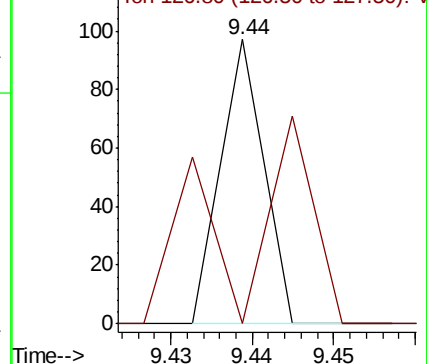
Ion Ratio Lower Upper

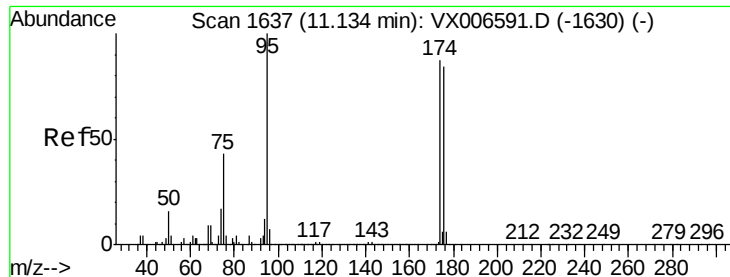
129 100

127 58.3 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006591.D (-1374) (-)

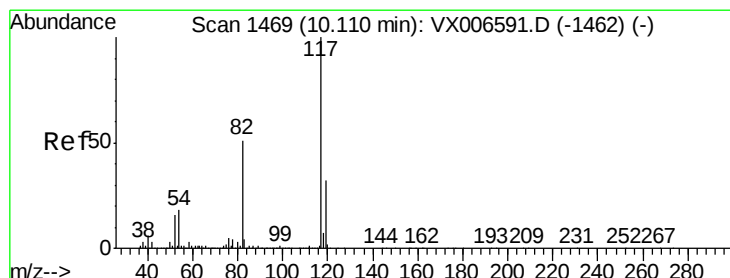
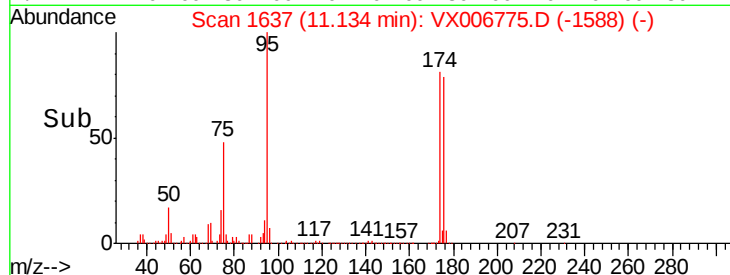
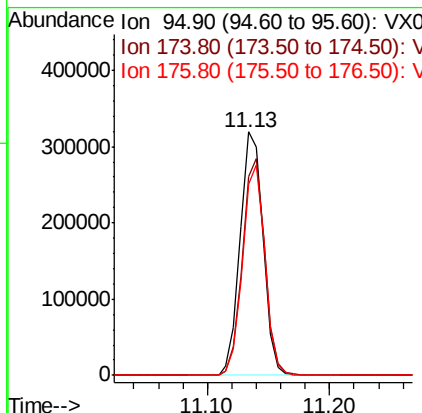
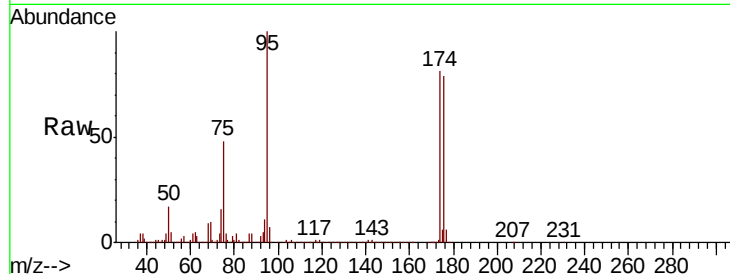




#62
4-Bromofluorobenzene
Concen: 47.088 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

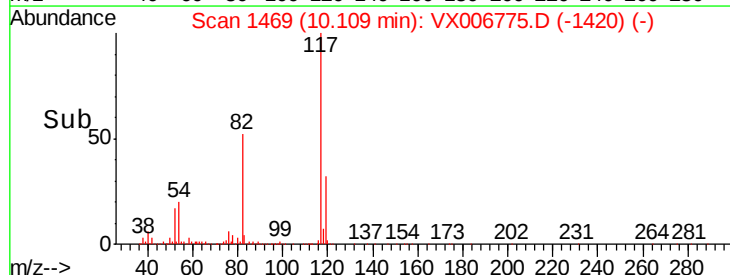
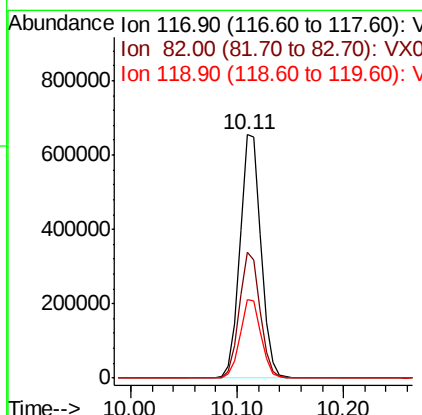
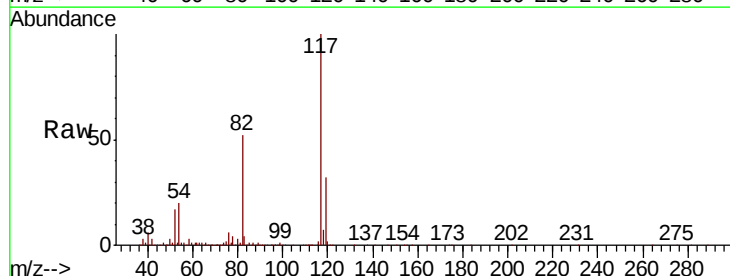
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

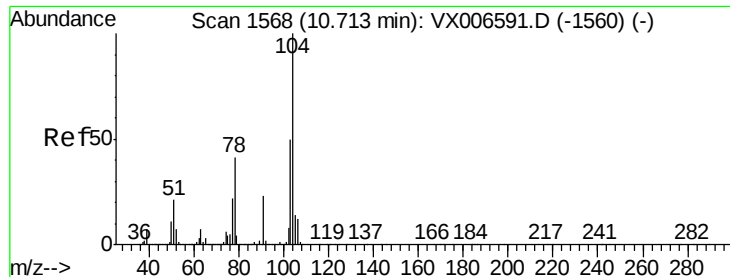
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	182.2
176	84.3	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.0	61.6
119	32.3	25.4	38.0

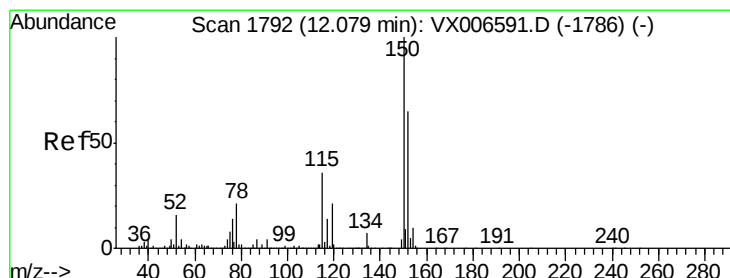
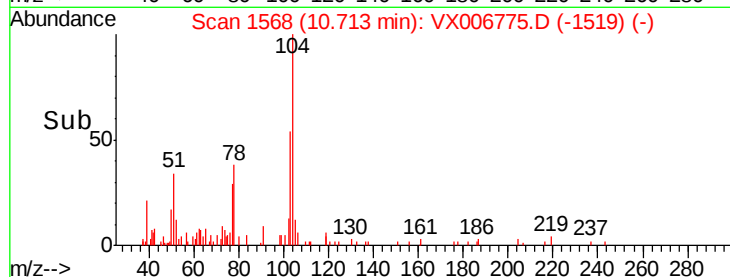
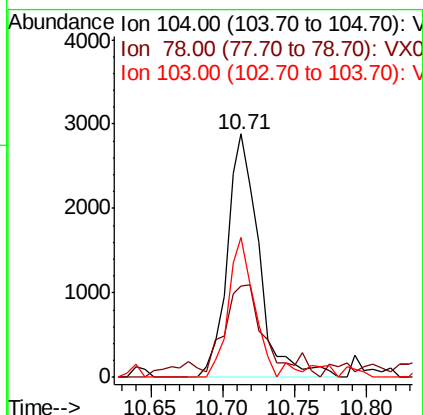
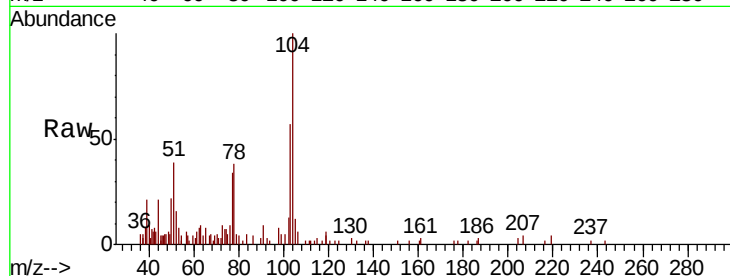




#70
Stvrene
Concen: 0.230 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

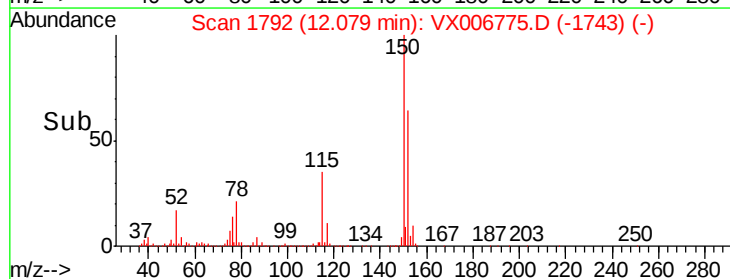
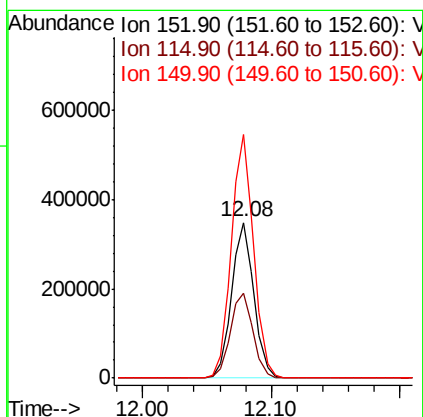
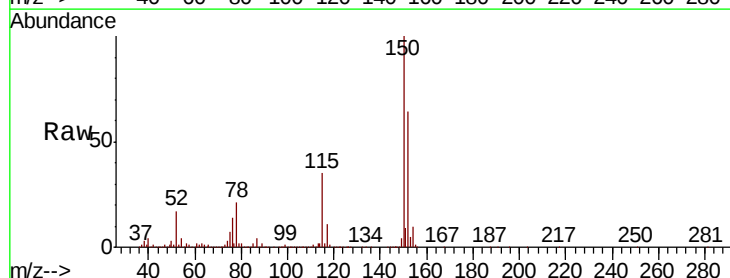
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

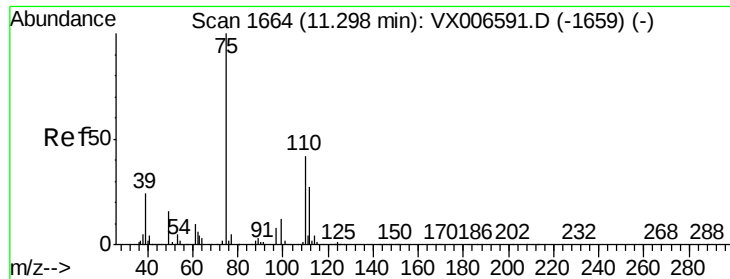
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	37.7	56.5
103	46.5	43.8	65.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006775.D
Acq: 22 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.1	117.2
150	156.7	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.545 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

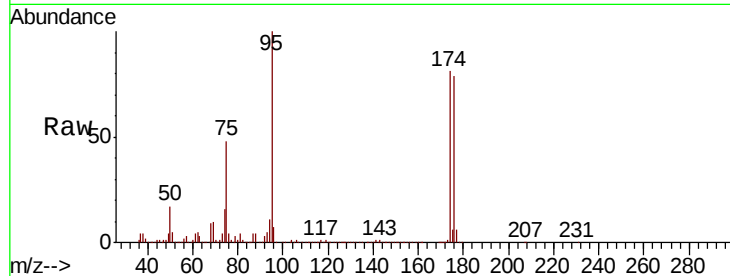
COMP-5

Tot Ion: 75 Resp: 192270

Ion Ratio Lower Upper

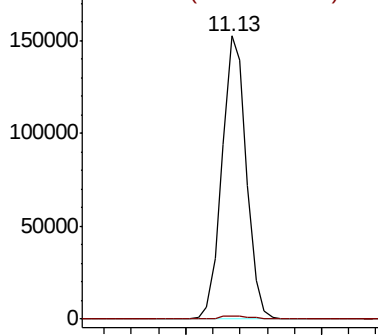
75 100

77 1.4 18.5 55.5#

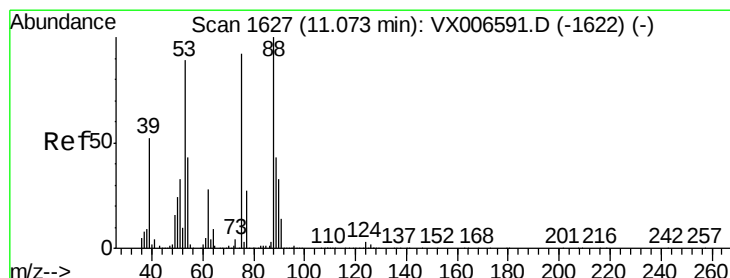
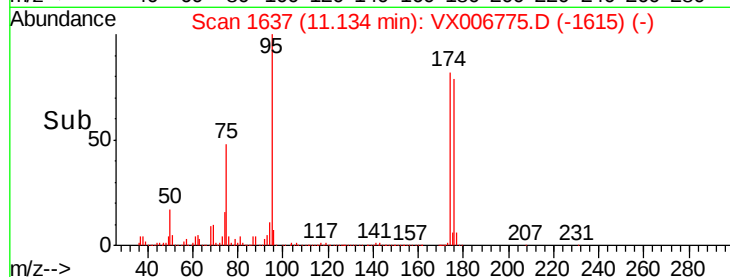


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.606 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

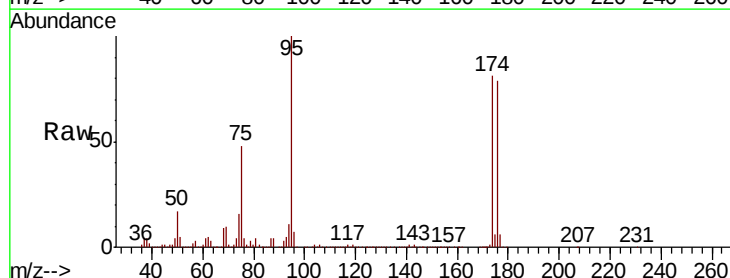
Tgt Ion: 75 Resp: 192270

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

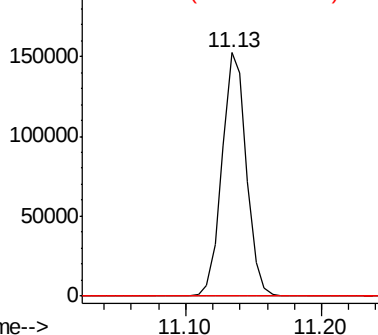
89 0.0 38.0 57.0#



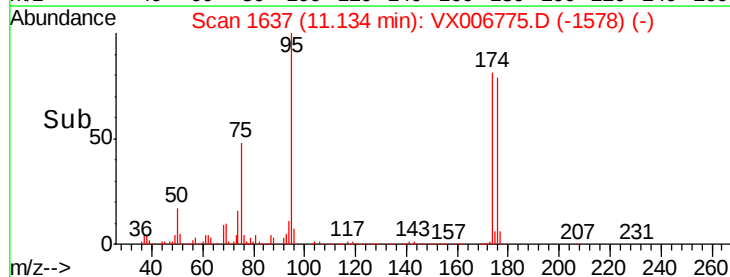
Abundance Ion 74.90 (74.60 to 75.60): VX0

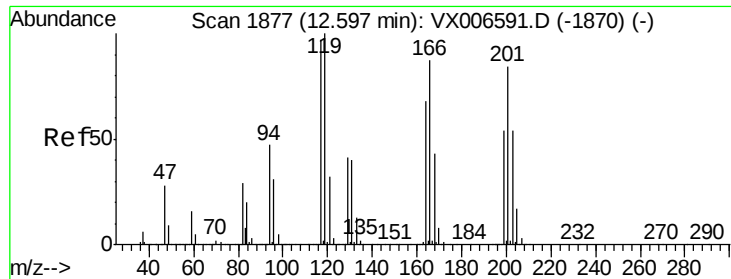
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->





#90

Hexachloroethane

Concen: 3.305 ug/l

RT: 12.62 min Scan# 1881

Delta R.T. 0.03 min

Lab File: VX006775.D

Acq: 22 Dec 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

COMP-5

Tot Ion:117 Resp: 51

Ion Ratio Lower Upper

117 100

201 111.8 42.9 128.7

