

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007240.D
 Acq On : 25 Jan 2019 20:15
 Operator : JC/SP
 Sample : PB116609ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 00:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	535792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	824247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	812377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392921	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	289217	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	259051	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	1016619	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.13	95	358414	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	

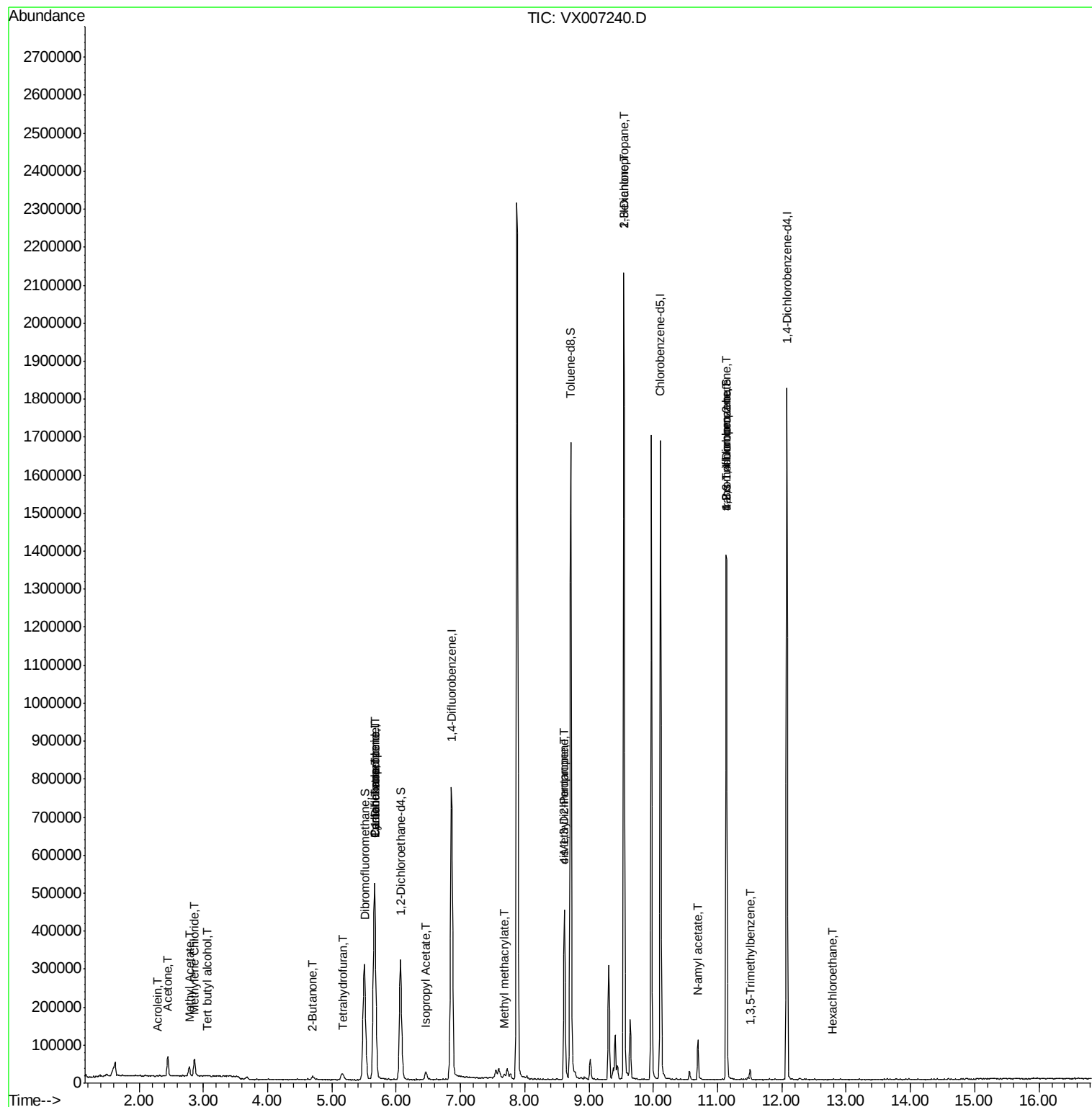
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	1997	1.512	ug/l #	65
13) Acrolein	2.29	56	211	3.450	ug/l #	13
16) Acetone	2.45	43	57120	20.634	ug/l	94
18) Methyl Acetate	2.78	43	31151	3.886	ug/l	98
20) Methylene Chloride	2.86	84	22370	3.725	ug/l	92
25) 2-Butanone	4.70	43	14399	3.635	ug/l	99
29) Tetrahydrofuran	5.16	42	13731	5.334	ug/l	94
31) Cyclohexane	5.67	56	10278	1.302	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	33333	4.651	ug/l #	49
38) Carbon Tetrachloride	5.67	117	48700	6.755	ug/l #	14
43) Isopropyl Acetate	6.46	43	26752	2.208	ug/l	96
48) Methyl methacrylate	7.68	41	13722	2.205	ug/l #	12
49) 1,4-Dioxane	7.73	88	180	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	150055	19.267	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	72299	8.978	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	18399	1.996	ug/l #	44
59) 2-Hexanone	9.54	43	233884	39.408	ug/l #	51
74) N-amyl acetate	10.69	43	23586	2.114	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	172405	21.652	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	10858	0.469	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	172405	64.183	ug/l #	10
90) Hexachloroethane	12.77	117	33	2.916	ug/l	96

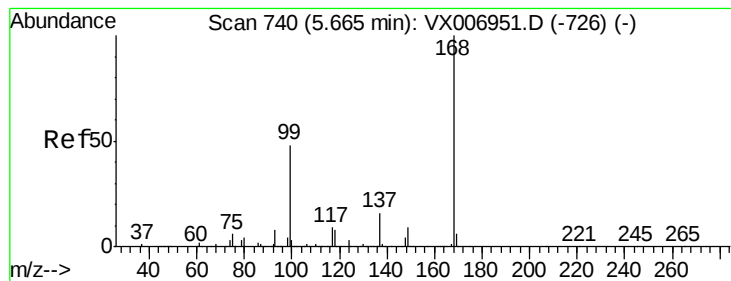
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012619\
Data File : VX007240.D
Acq On : 25 Jan 2019 20:15
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 28 00:17:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 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: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :

MSVOA_X

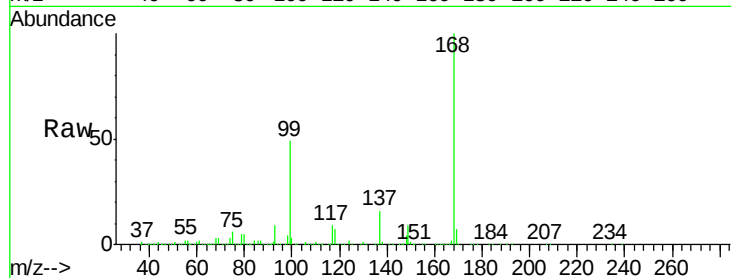
ClientSampled :

Tot Ion:168 Resp: 535792

Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

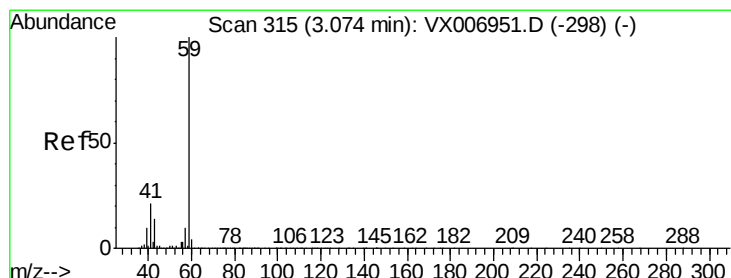
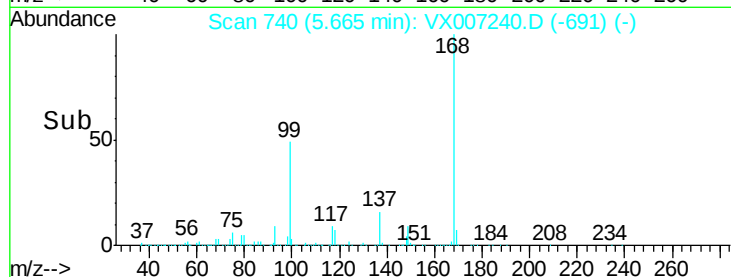
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#11

Tert butyl alcohol

Concen: 1.512 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007240.D

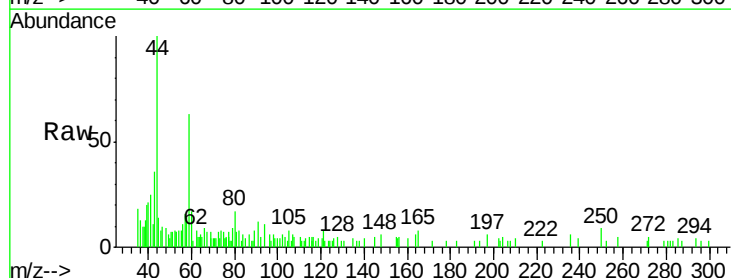
Acq: 25 Jan 2019 20:15

Tgt Ion: 59 Resp: 1997

Ion Ratio Lower Upper

59 100

57 23.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

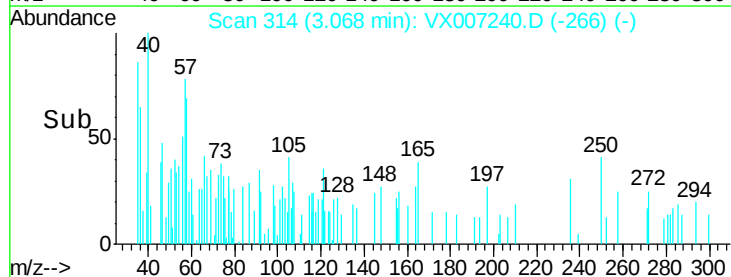
1000

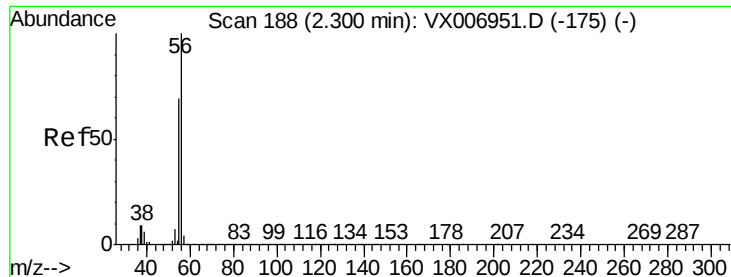
500

0

3.00 3.05 3.10

Time-->

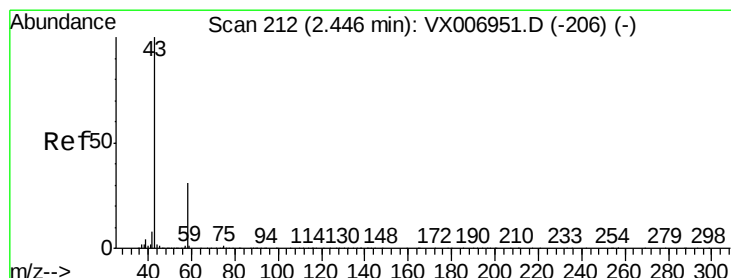
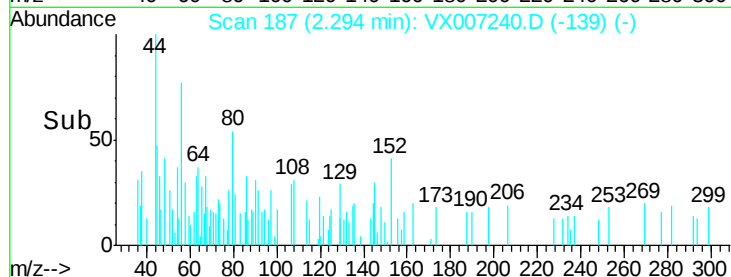
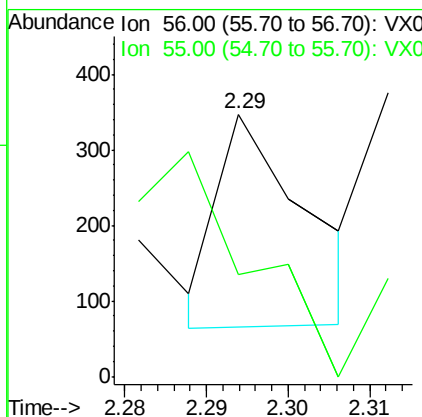
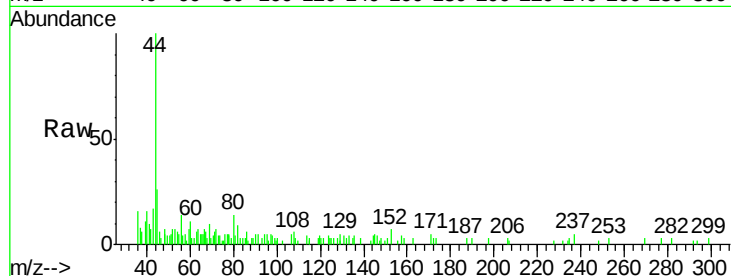




#13
Acrolein
Concen: 3.450 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

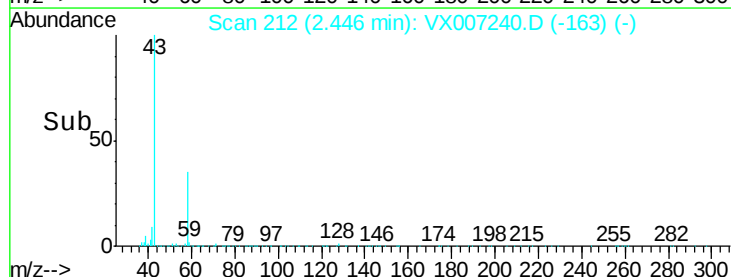
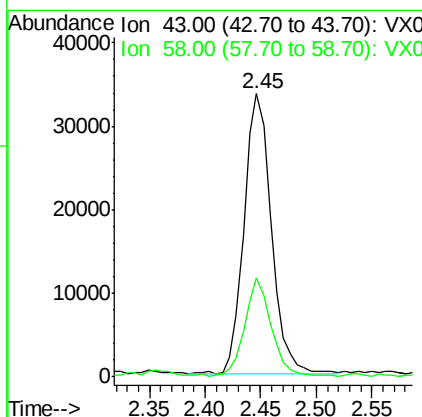
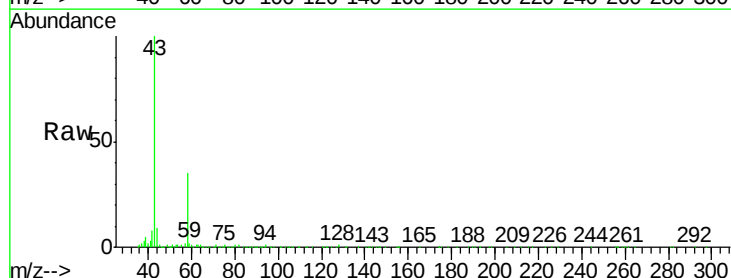
Instrument :
MSVOA_X
ClientSampleId :

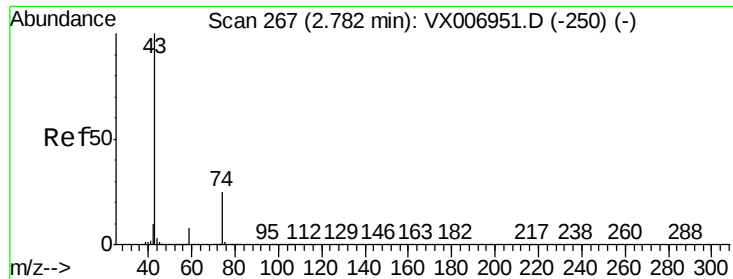
Tot Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#16
Acetone
Concen: 20.634 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Tgt Ion: 43 Resp: 57120
Ion Ratio Lower Upper
43 100
58 34.9 25.0 37.6

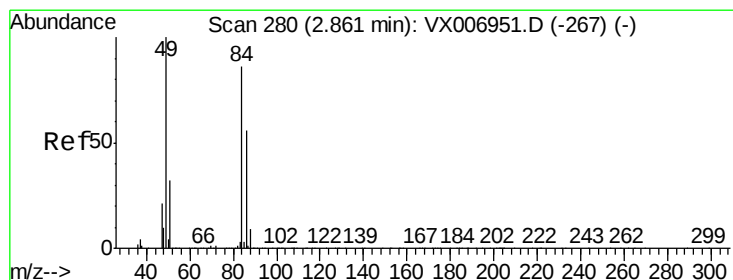
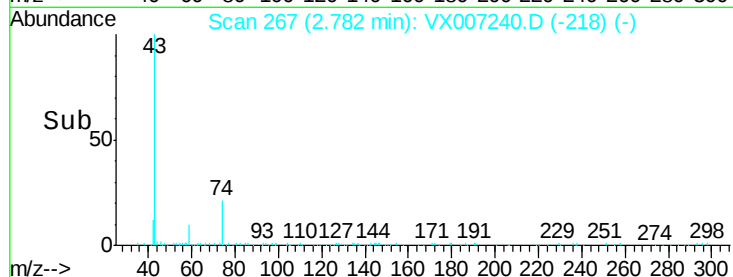
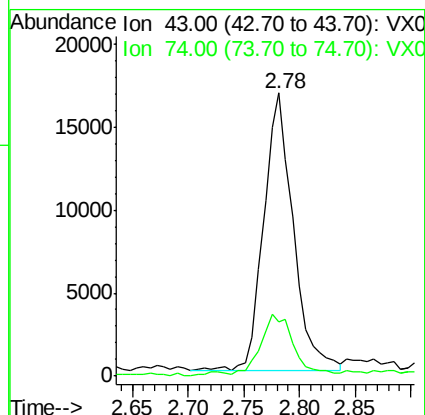
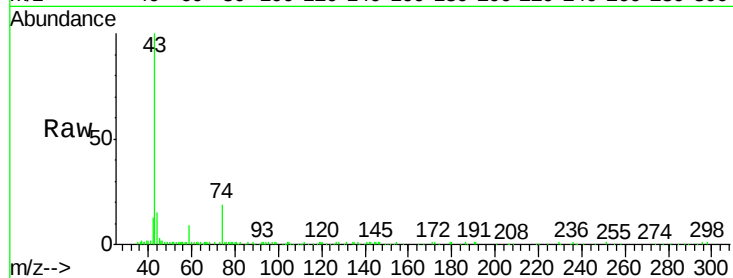




#18
Methyl Acetate
Concen: 3.886 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

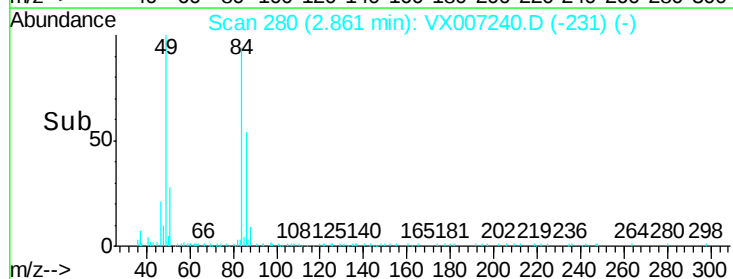
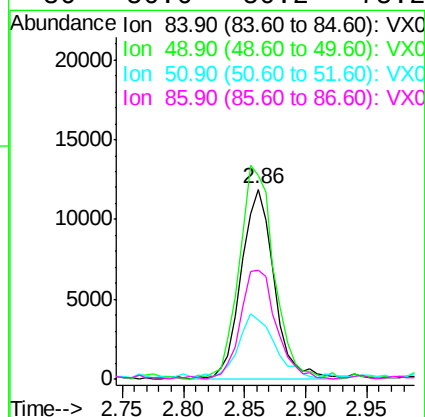
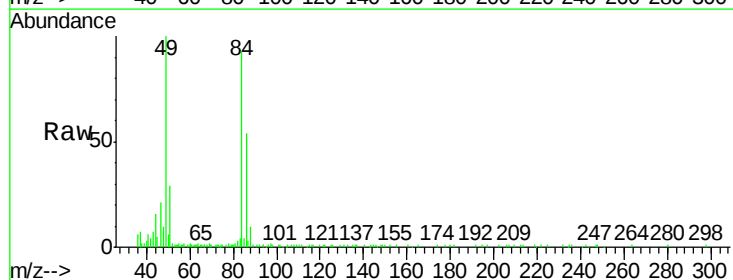
Instrument :
MSVOA_X
ClientSampleId :

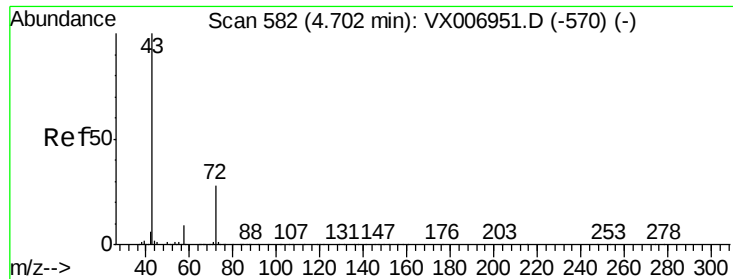
Tot Ion: 43 Resp: 31151
Ion Ratio Lower Upper
43 100
74 24.1 18.6 28.0



#20
Methylene Chloride
Concen: 3.725 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Tgt Ion: 84 Resp: 22370
Ion Ratio Lower Upper
84 100
49 107.3 91.8 137.6
51 29.8 28.5 42.7
86 56.6 50.2 75.2





#25

2-Butanone

Concen: 3.635 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

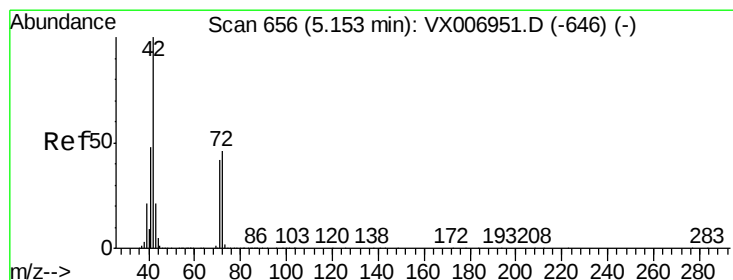
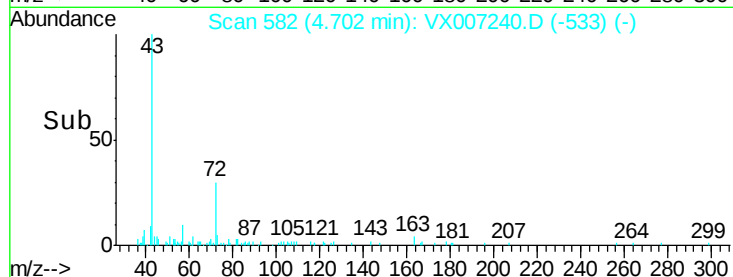
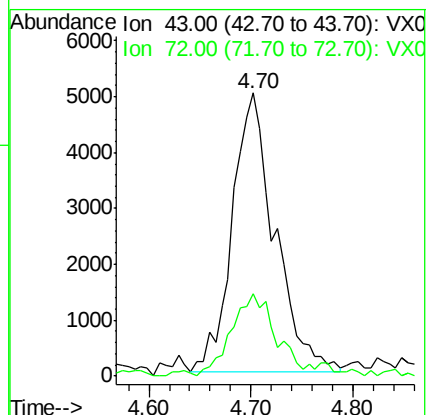
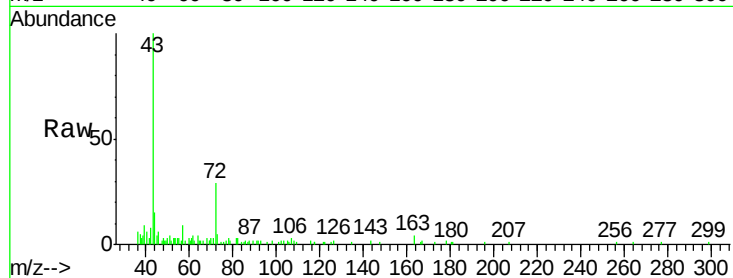
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 14399

Ion Ratio Lower Upper

43 100

72 28.5 22.4 33.6



#29

Tetrahydrofuran

Concen: 5.334 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

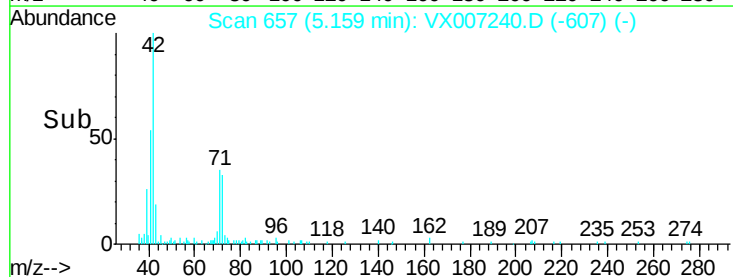
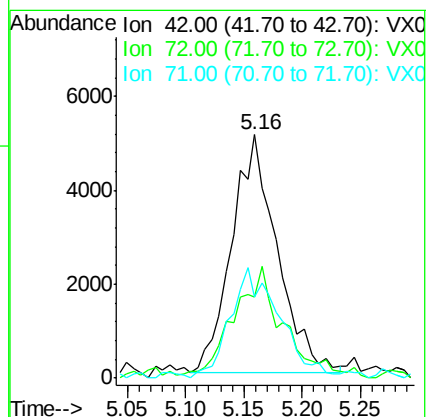
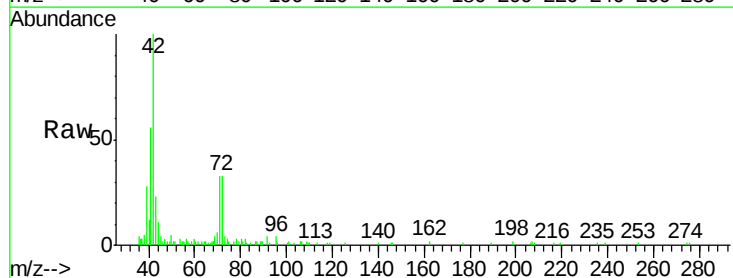
Tgt Ion: 42 Resp: 13731

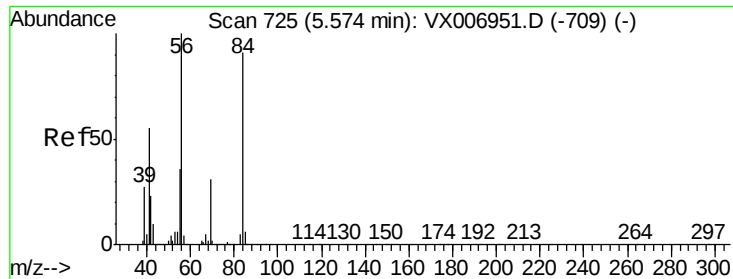
Ion Ratio Lower Upper

42 100

72 52.1 38.9 58.3

71 50.1 36.2 54.4

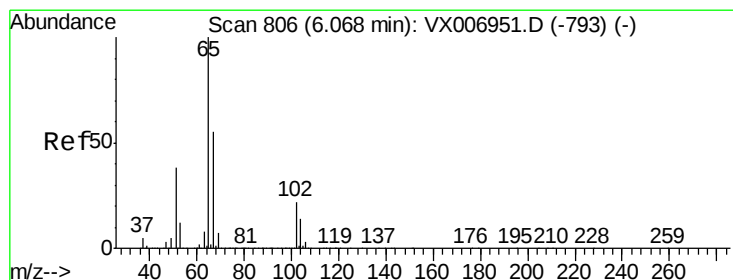
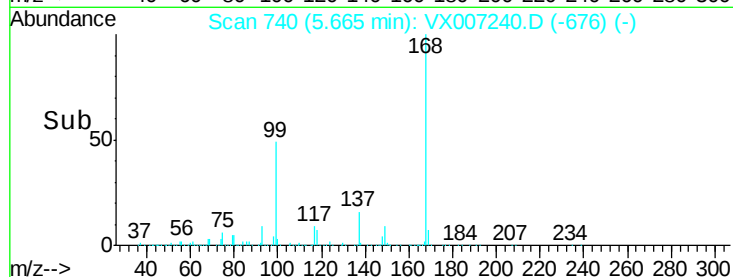
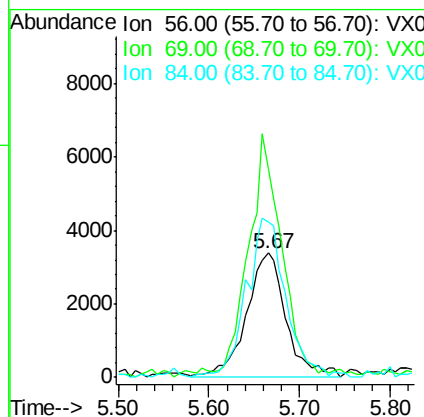
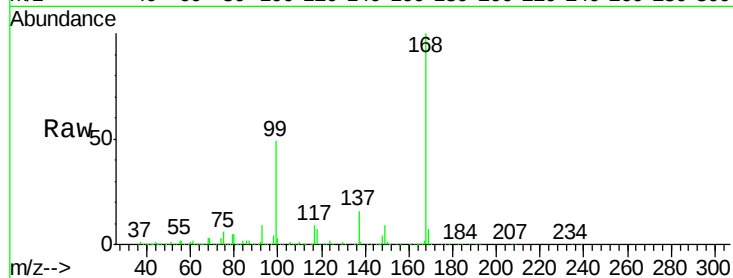




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

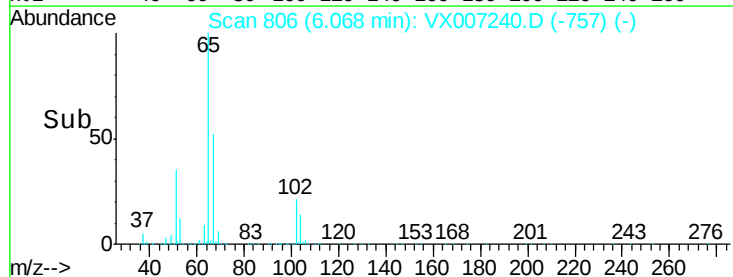
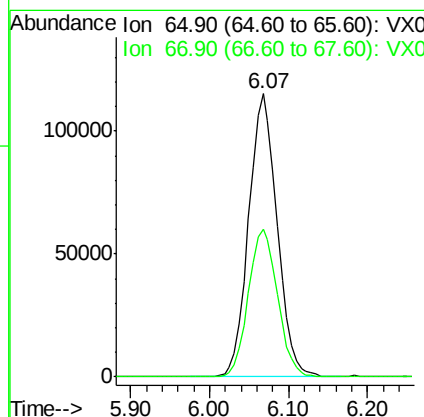
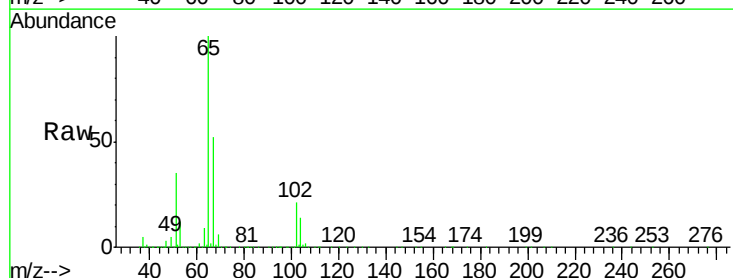
Instrument :
MSVOA_X
ClientSampleId :

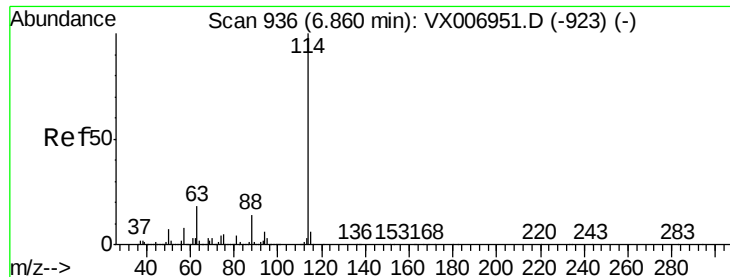
Tot Ion: 56 Resp: 10278
Ion Ratio Lower Upper
56 100
69 163.8 24.4 36.6#
84 125.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.651 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Tgt Ion: 65 Resp: 289217
Ion Ratio Lower Upper
65 100
67 53.4 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: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

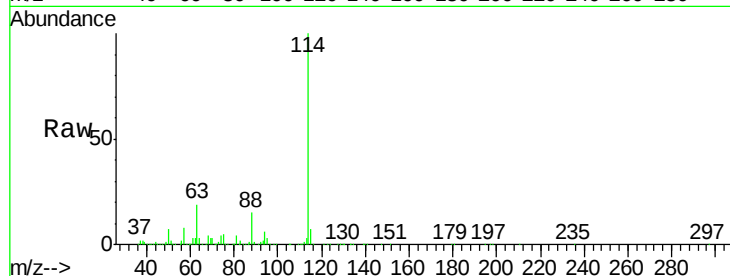
Tot Ion:114 Resp: 824247

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.8

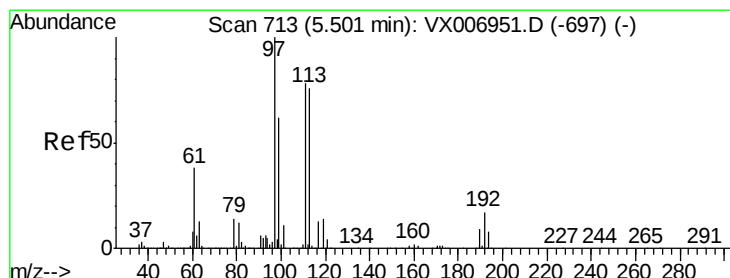
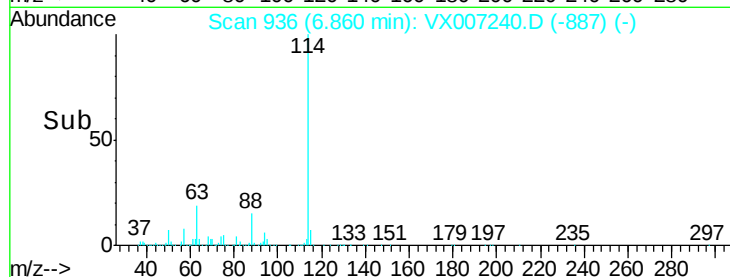
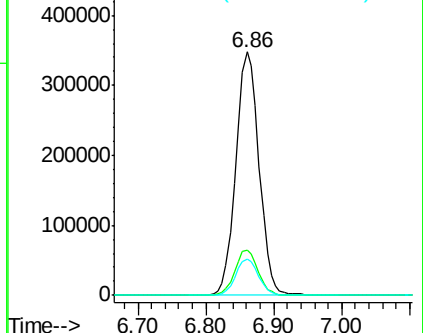
88 15.0 0.0 28.8



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: 49.077 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

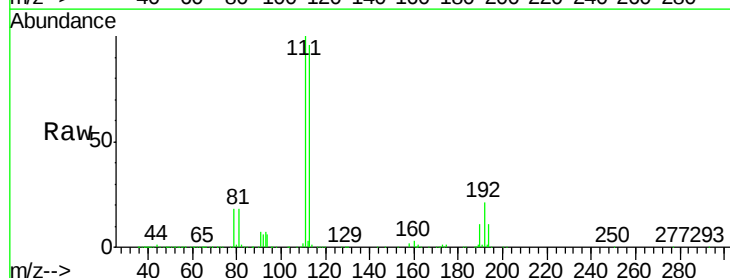
Tgt Ion:113 Resp: 259051

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

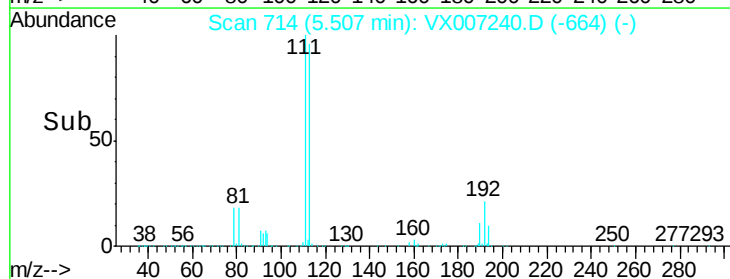
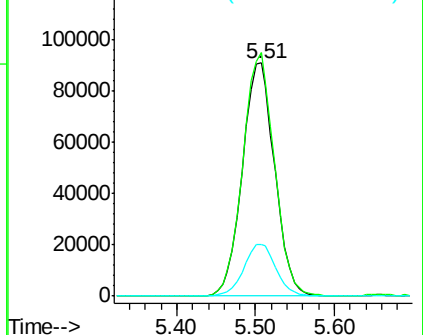
192 22.1 16.7 25.1

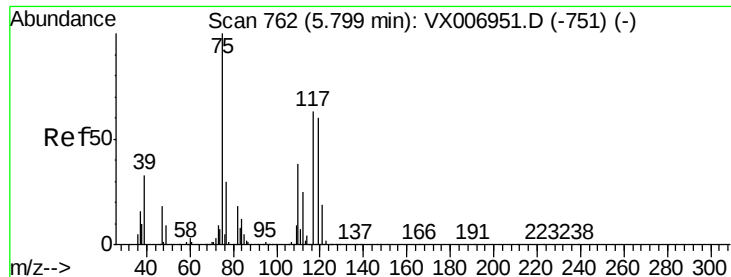


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

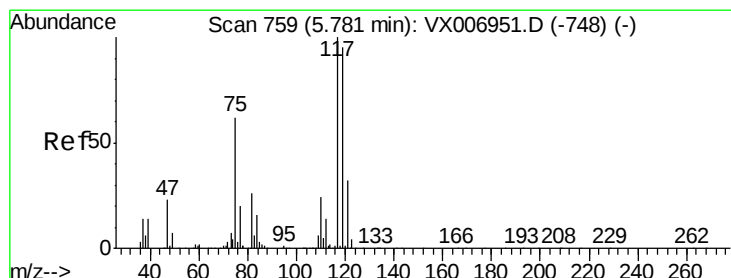
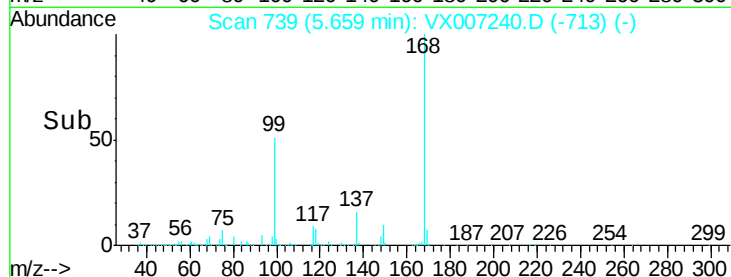
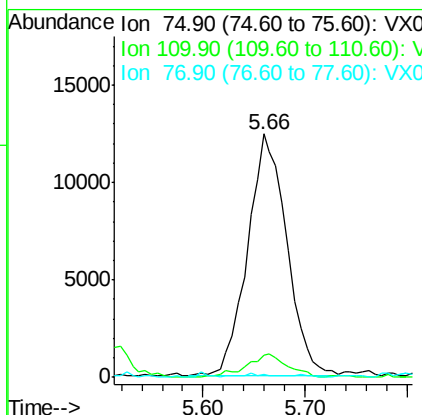
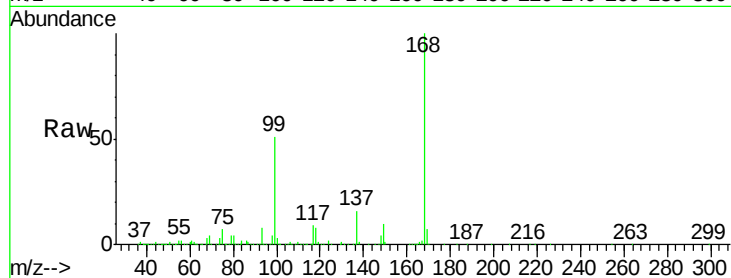




#36
 1,1-Dichloropropene
 Concen: 4.651 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

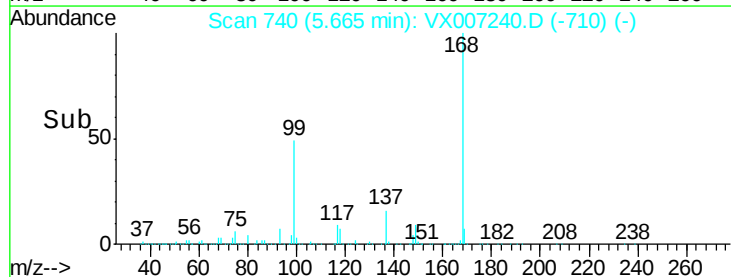
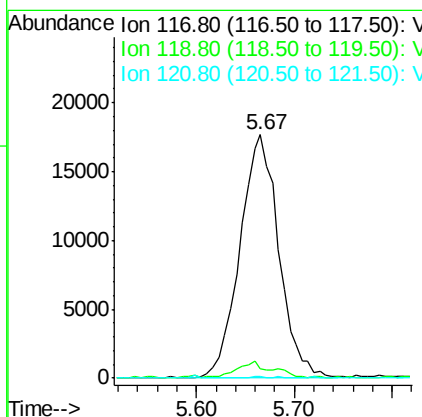
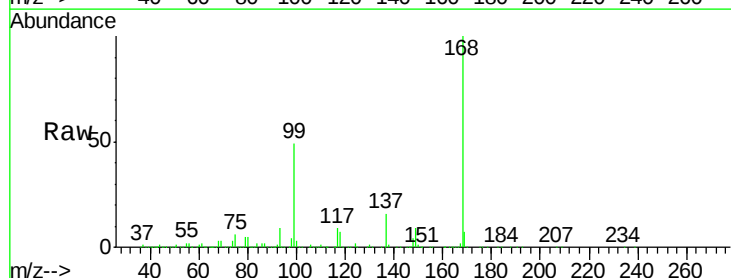
Instrument :
 MSVOA_X
 ClientSampleId :

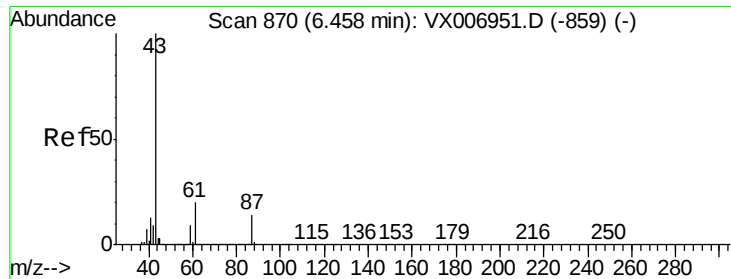
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	20.2	60.5#
77	1.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.755 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	79.4	119.2#
121	0.7	24.0	36.0#



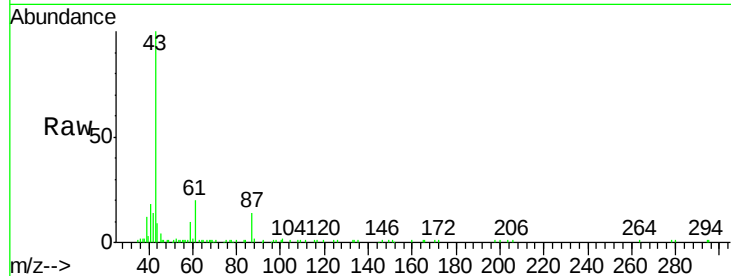


#43

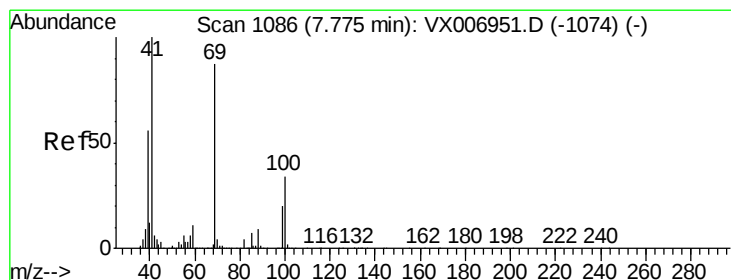
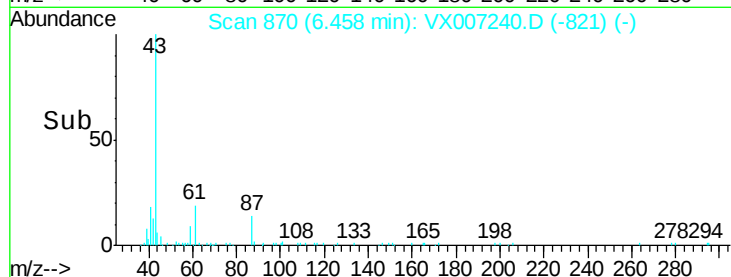
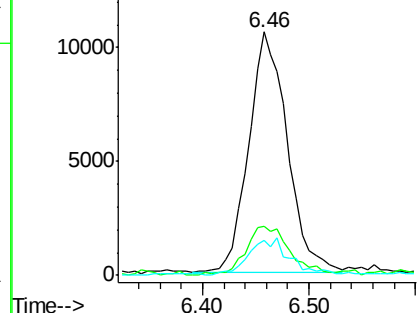
Isopropyl Acetate
 Concen: 2.208 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.4	16.8	25.2
87	16.5	12.4	18.6



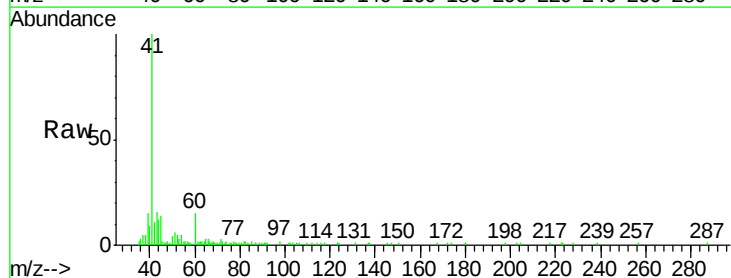
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



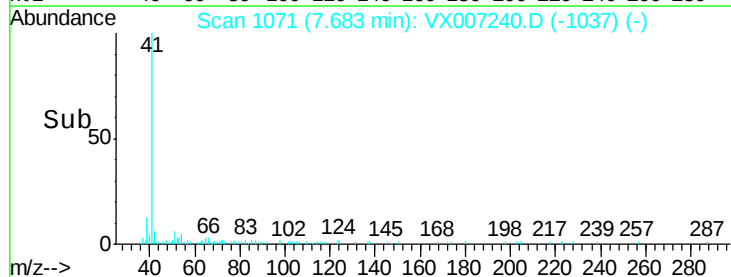
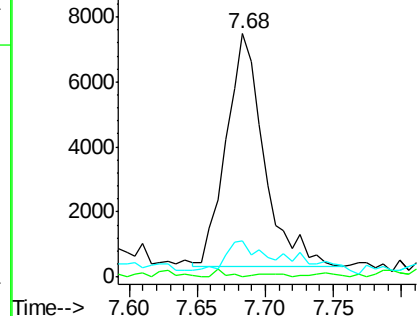
#48

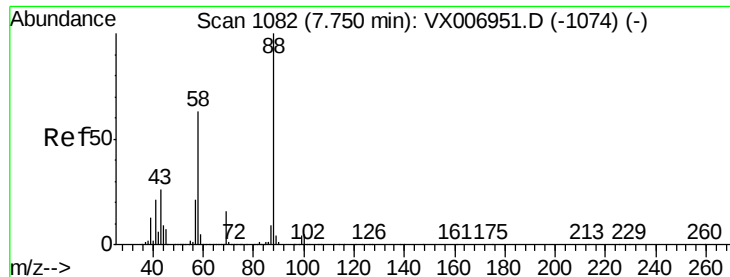
Methyl methacrylate
 Concen: 2.205 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.1	72.4	108.6#
39	0.0	45.8	68.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

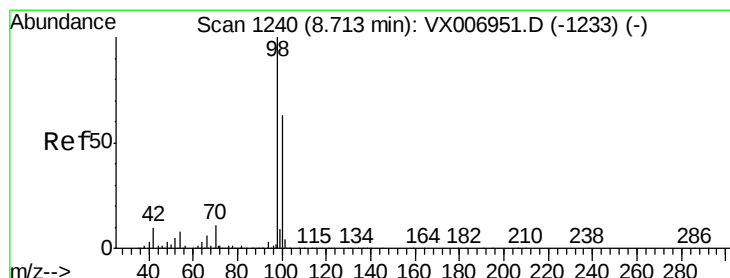
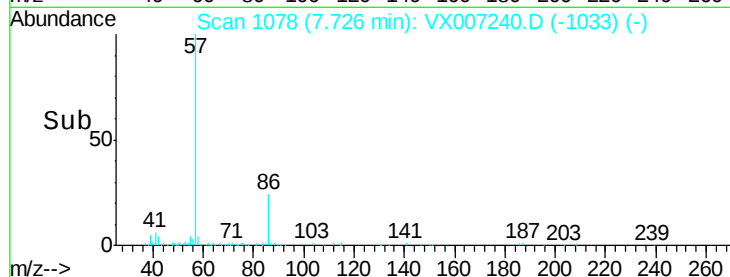
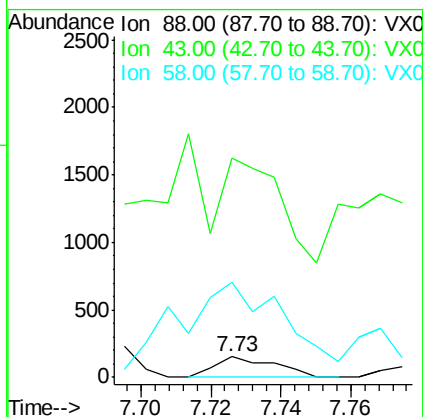
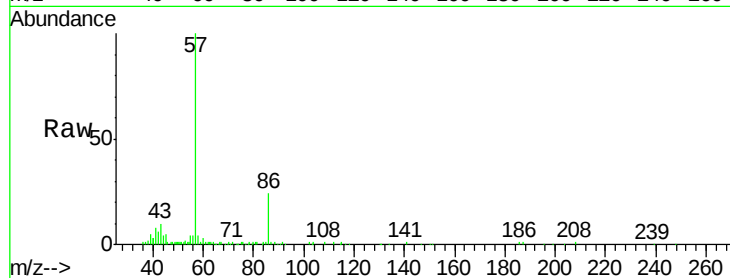
Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 180

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	728.9	51.0	76.4#



#50

Toluene-d8

Concen: 52.618 ug/l

RT: 8.71 min Scan# 1240

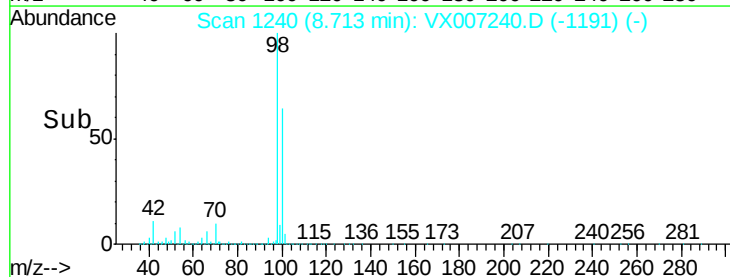
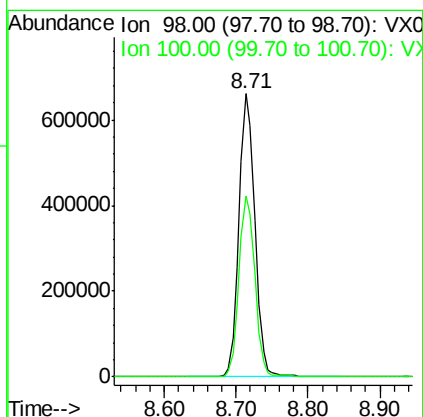
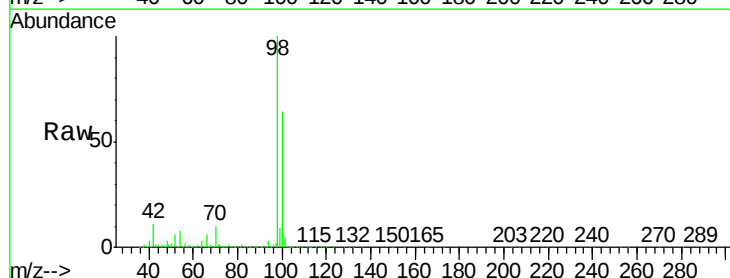
Delta R.T. 0.00 min

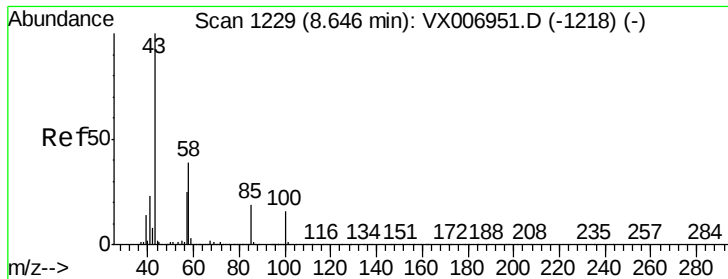
Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

Tgt Ion: 98 Resp: 1016619

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 19.267 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :

MSVOA_X

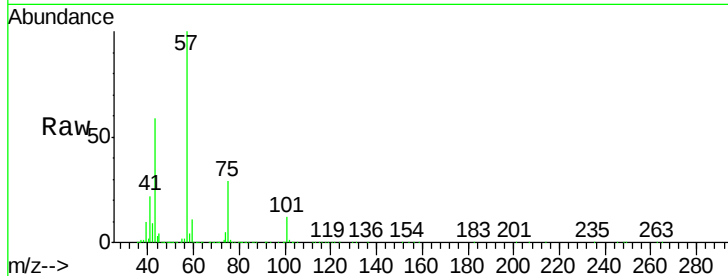
ClientSampleId :

Tot Ion: 43 Resp: 150055

Ion Ratio Lower Upper

43 100

58 9.4 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

100000

80000

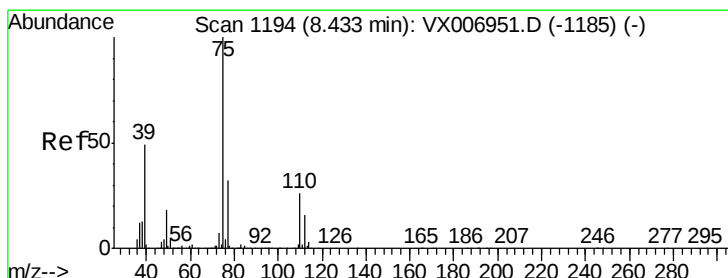
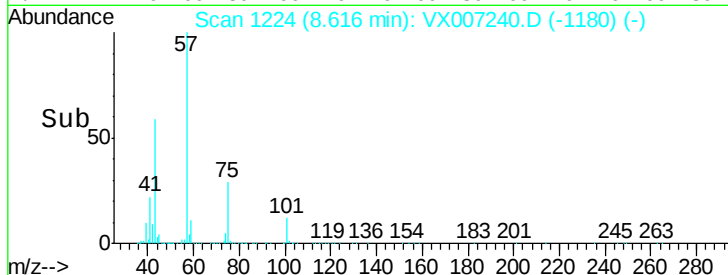
60000

40000

20000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#54

cis-1,3-Dichloropropene

Concen: 8.978 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

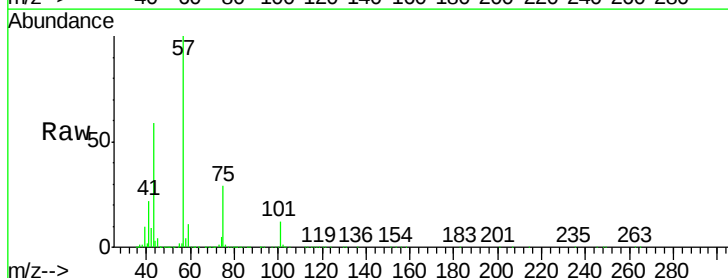
Tgt Ion: 75 Resp: 72299

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 33.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.62

60000

50000

40000

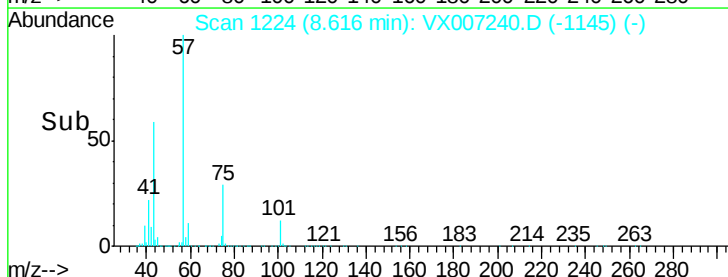
30000

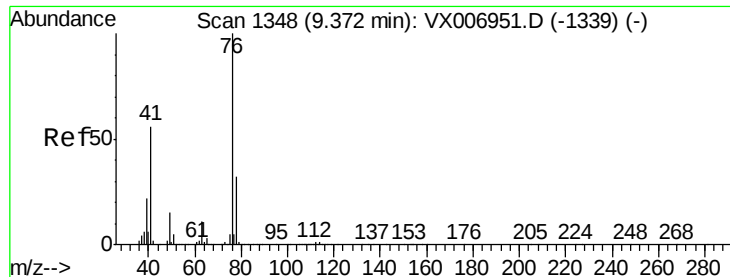
20000

10000

0

Time--> 8.55 8.60 8.65 8.70





#57

1,3-Dichloropropane

Concen: 1.996 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :

MSVOA_X

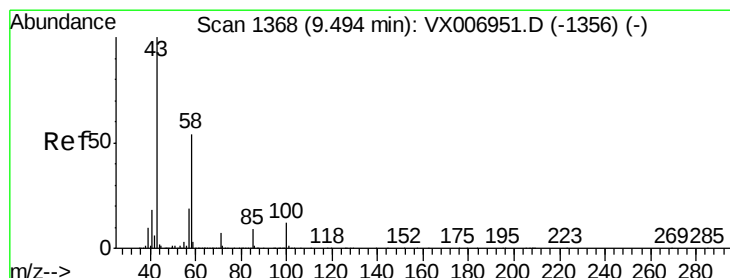
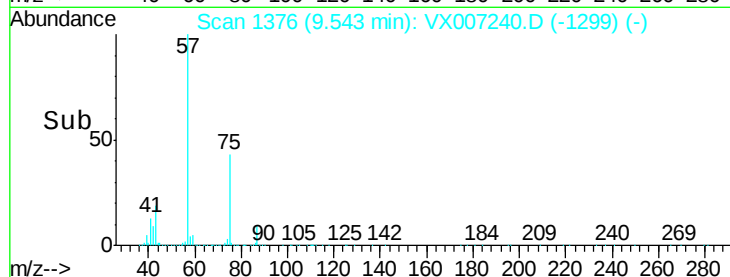
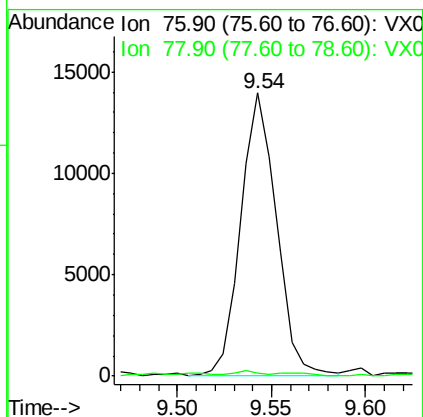
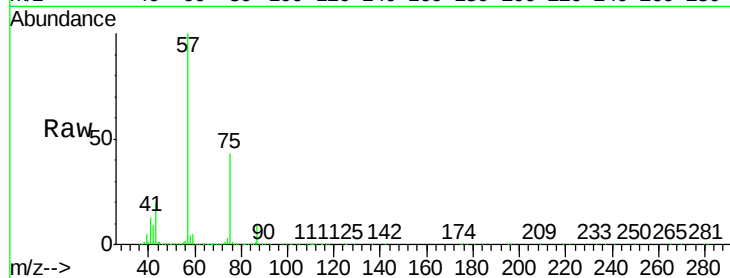
ClientSampleId :

Tot Ion: 76 Resp: 18399

Ion Ratio Lower Upper

76 100

78 1.0 26.0 39.0#



#59

2-Hexanone

Concen: 39.408 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007240.D

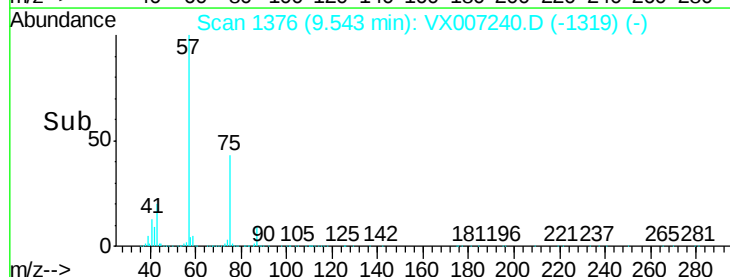
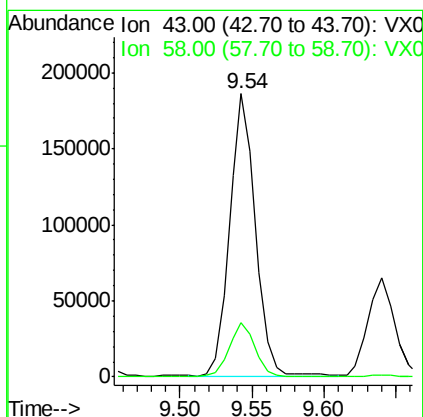
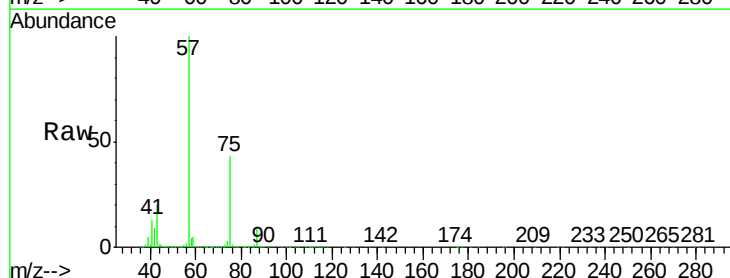
Acq: 25 Jan 2019 20:15

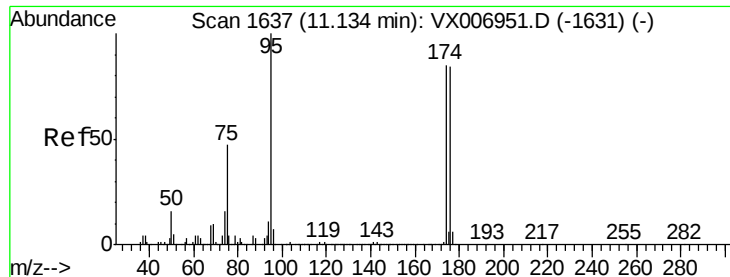
Tgt Ion: 43 Resp: 233884

Ion Ratio Lower Upper

43 100

58 19.8 27.7 83.1#

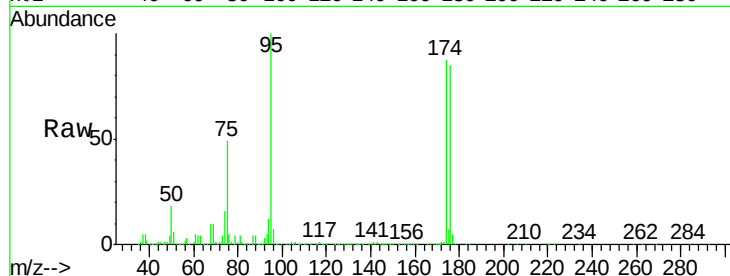




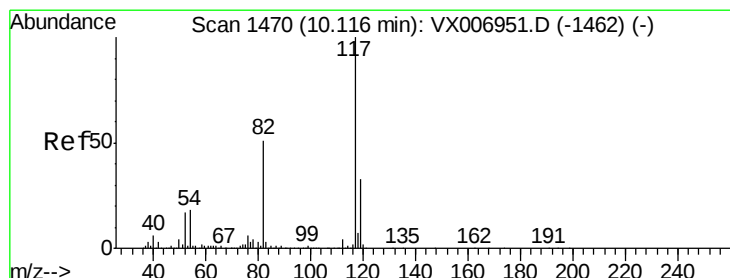
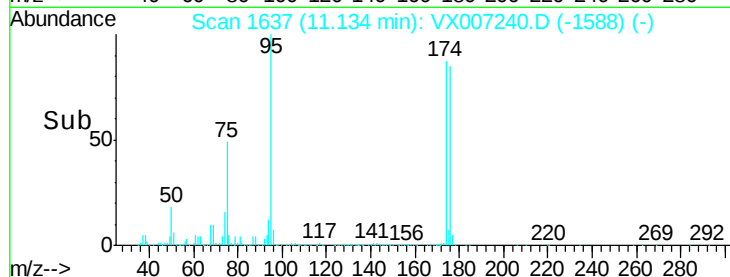
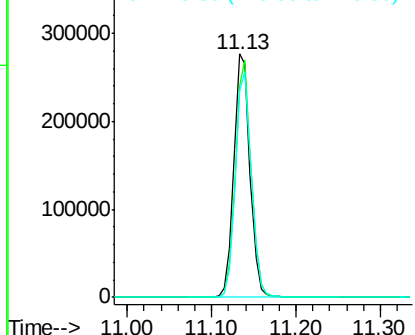
#62
4-Bromofluorobenzene
Concen: 53.211 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 358414
Ion Ratio Lower Upper
95 100
174 94.9 0.0 182.2
176 91.1 0.0 178.8

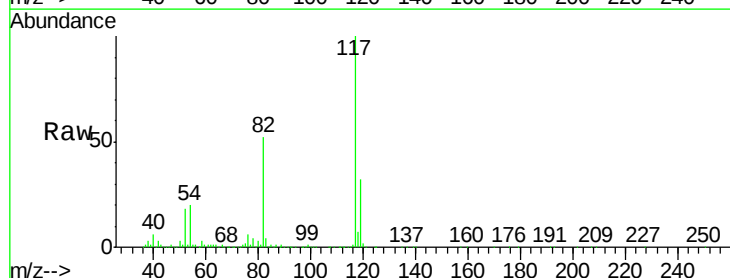


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

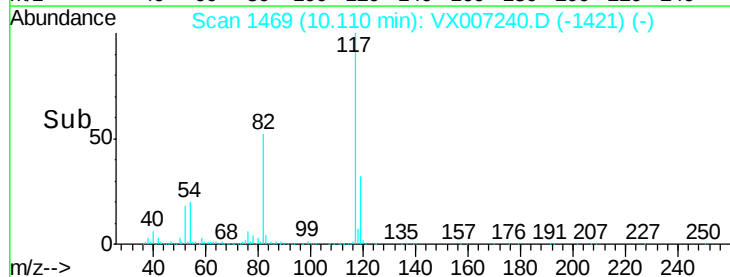
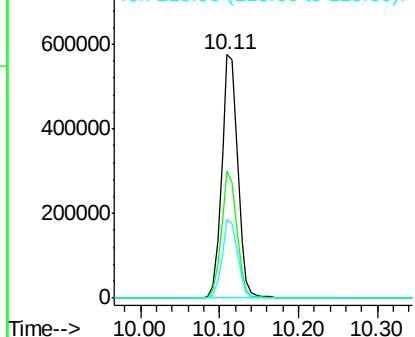


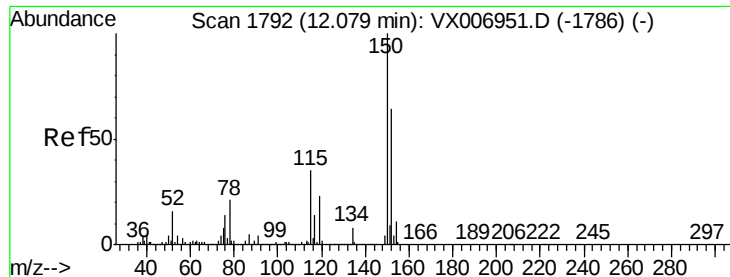
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Tgt Ion: 117 Resp: 812377
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 32.3 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



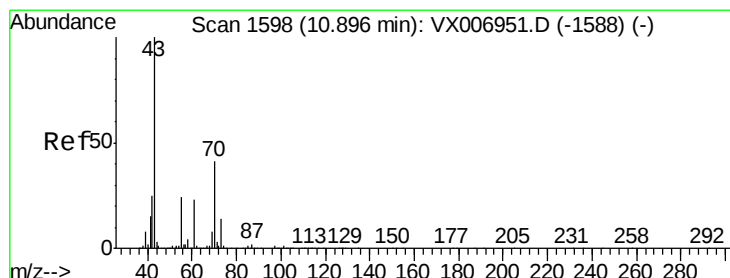
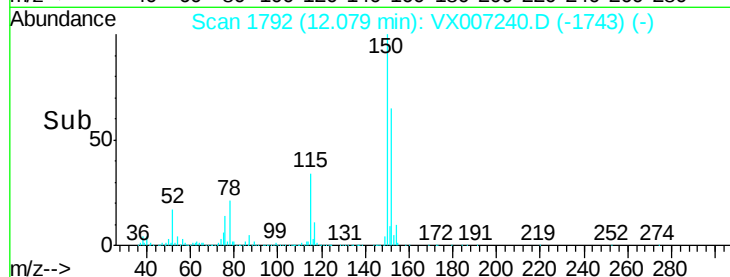
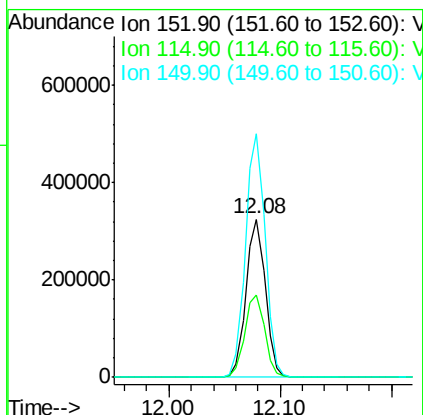
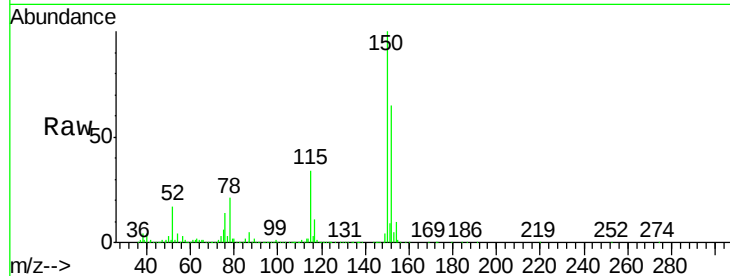


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :

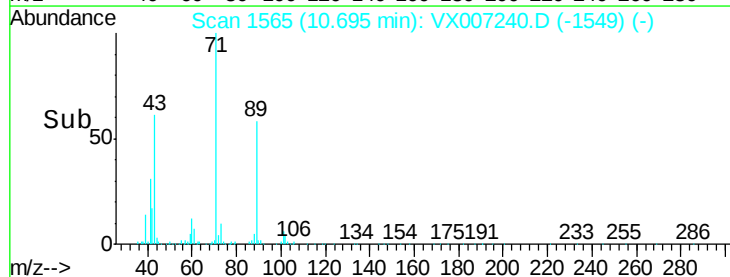
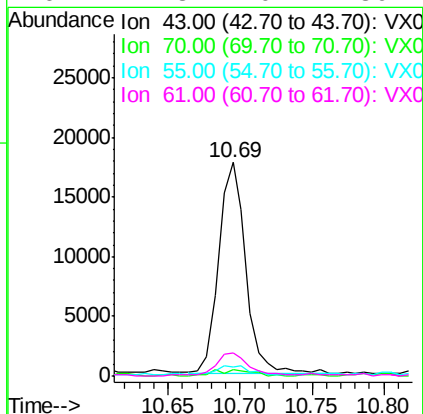
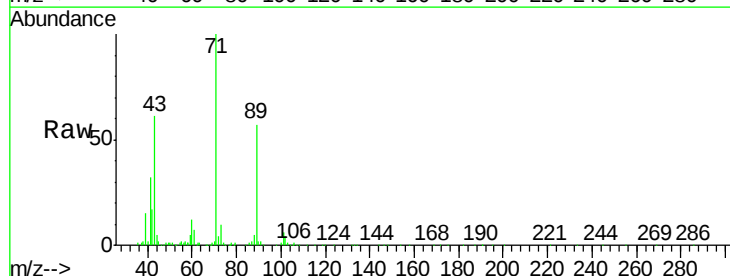
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.8	39.1	117.2
150	156.4	0.0	344.8

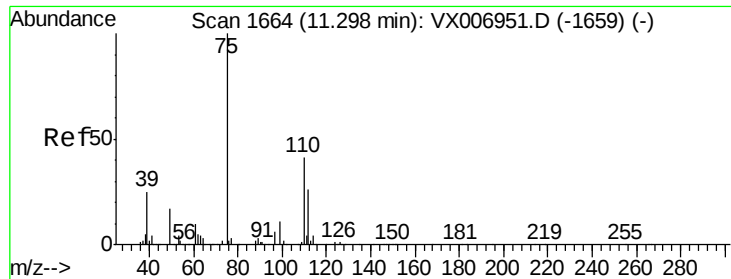


#74

N-ethyl acetate
Concen: 2.114 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX007240.D
Acq: 25 Jan 2019 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
71	4.1	35.8	53.8#
55	5.2	19.4	29.0#
61	12.3	20.1	30.1#

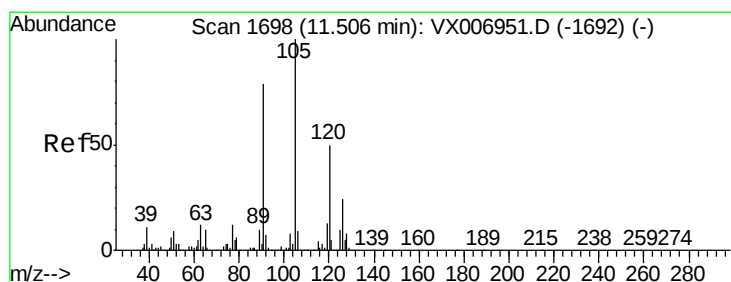
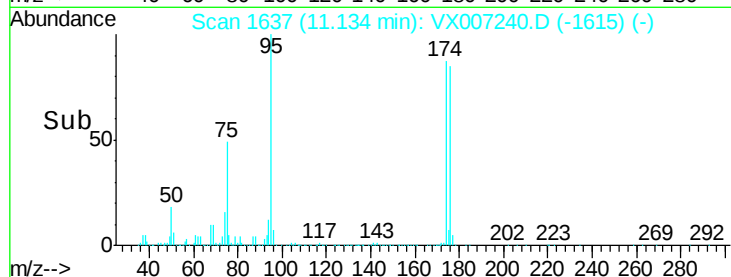
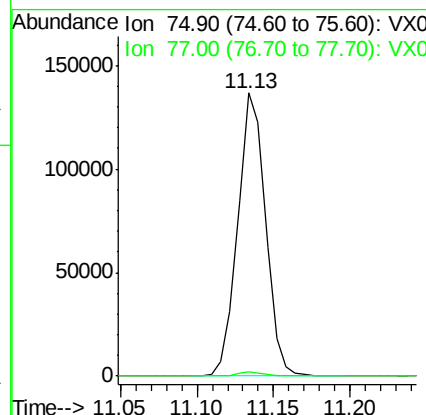
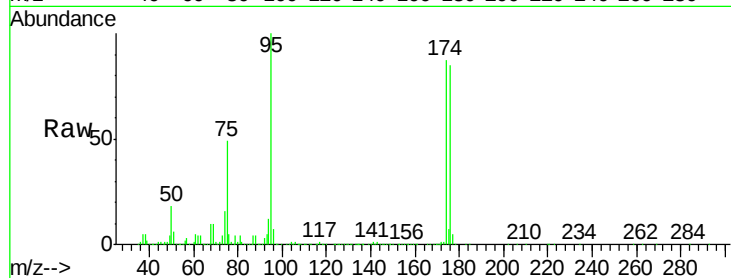




#76
 1,2,3-Trichloropropane
 Concen: 21.652 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

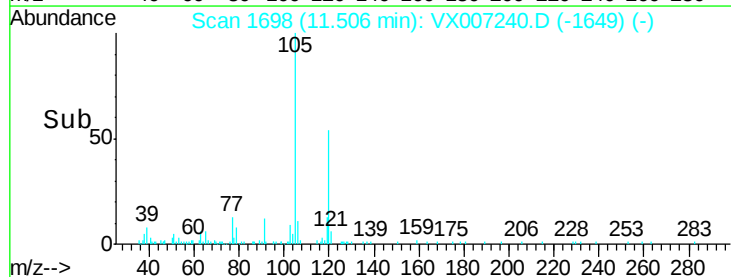
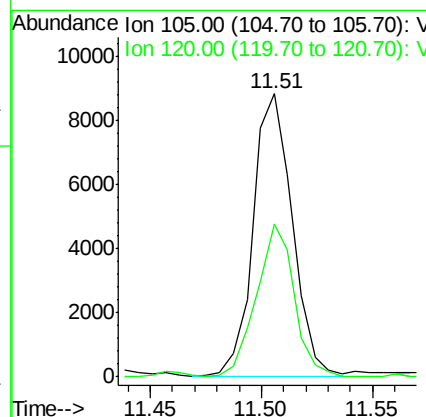
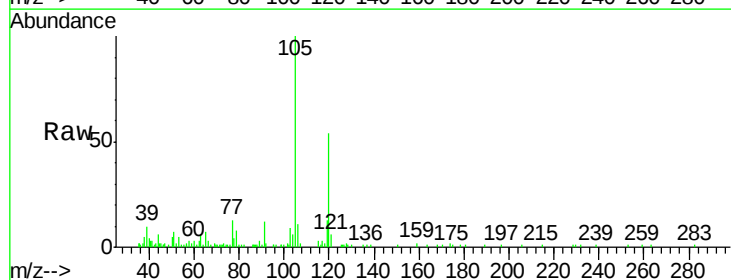
Instrument :
 MSVOA_X
 ClientSampleId :

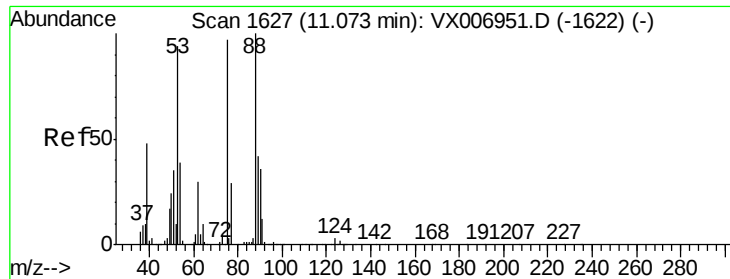
Tot Ion: 75 Resp: 172405
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.5 55.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.469 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007240.D
 Acq: 25 Jan 2019 20:15

Tgt Ion:105 Resp: 10858
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 64.183 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007240.D

Acq: 25 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

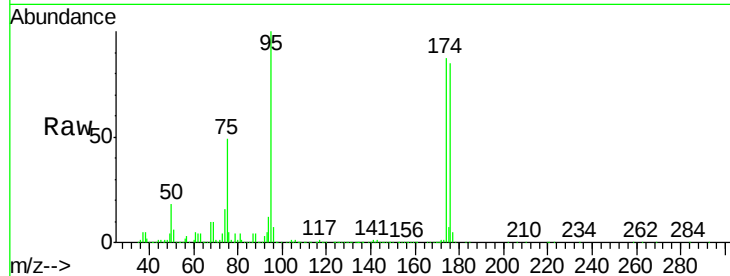
Tot Ion: 75 Resp: 172405

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

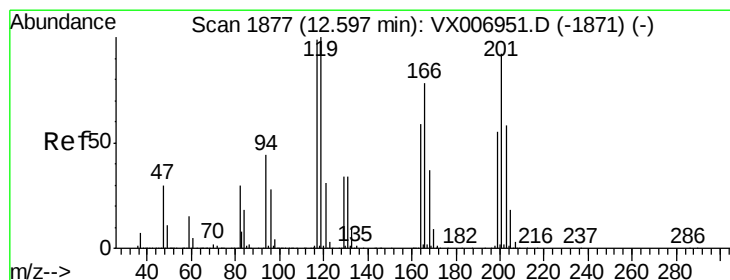
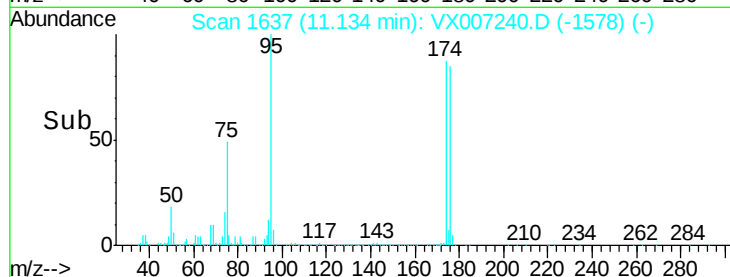
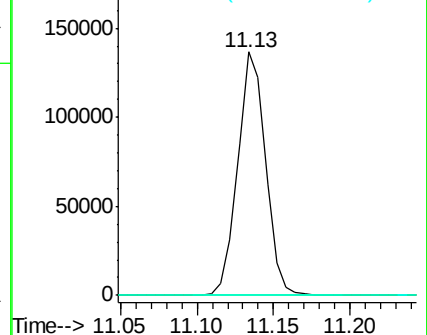
89 0.0 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.916 ug/l

RT: 12.77 min Scan# 1906

Delta R.T. 0.18 min

Lab File: VX007240.D

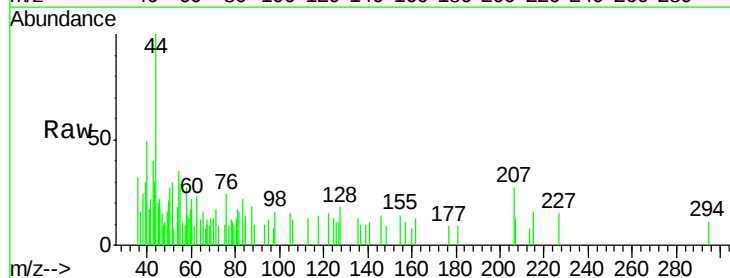
Acq: 25 Jan 2019 20:15

Tgt Ion: 117 Resp: 33

Ion Ratio Lower Upper

117 100

201 81.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

