

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007411.D
 Acq On : 06 Feb 2019 20:24
 Operator : JC/SP
 Sample : K1392-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Quant Time: Feb 07 00:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	569374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865413	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	809694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	415310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	298205	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	5.51	113	270182	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1025111	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	377609	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

					Qvalue	
4) Vinyl Chloride	1.41	62	1762	0.280	ug/l #	71
5) Bromomethane	1.65	94	725	Below Cal	#	61
6) Chloroethane	1.59	64	11262	2.767	ug/l #	55
8) Diethyl Ether	2.20	74	1229	0.332	ug/l	57
11) Tert butyl alcohol	3.02	59	5600	4.478	ug/l #	85
13) Acrolein	2.31	56	267	0.455	ug/l	98
16) Acetone	2.45	43	15611	5.639	ug/l	99
17) Carbon Disulfide	2.57	76	3239	2.339	ug/l #	65
18) Methyl Acetate	2.78	43	1966	0.862	ug/l	97
20) Methylene Chloride	2.87	84	2034	Below Cal	#	79
21) trans-1,2-Dichloroethene	3.17	96	2541	0.439	ug/l	84
25) 2-Butanone	4.70	43	3954	1.004	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	4638	0.733	ug/l	91
31) Cyclohexane	5.58	56	5523	0.657	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	36600	4.714	ug/l #	49
38) Carbon Tetrachloride	5.66	117	51863	6.885	ug/l #	16
39) Methylcyclohexane	7.46	83	5102	0.543	ug/l #	76
40) Benzene	6.15	78	61650	2.695	ug/l	93
49) 1,4-Dioxane	7.77	88	90	7.527	ug/l #	1
52) Toluene	8.79	92	6061	0.411	ug/l	99
67) Ethyl Benzene	10.25	91	1547942	54.402	ug/l	99
68) m/p-Xylenes	10.25	106	506595	44.789	ug/l #	26
69) o-Xylene	10.70	106	6224	0.572	ug/l	95
71) Bromoform	10.87	173	168	4.059	ug/l #	29
73) Isopropylbenzene	11.02	105	168274	5.962	ug/l	98
74) N-amyl acetate	10.94	43	5625	0.515	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	182432	22.583	ug/l #	32
78) n-propylbenzene	11.36	91	330038	10.664	ug/l	99
79) 2-Chlorotoluene	11.36	91	330038	17.575	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	9887	0.428	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	182432	68.127	ug/l #	9
82) 4-Chlorotoluene	11.66	91	15694	0.722	ug/l #	42
83) tert-Butylbenzene	11.77	119	42768	1.871	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	26335	1.123	ug/l	96

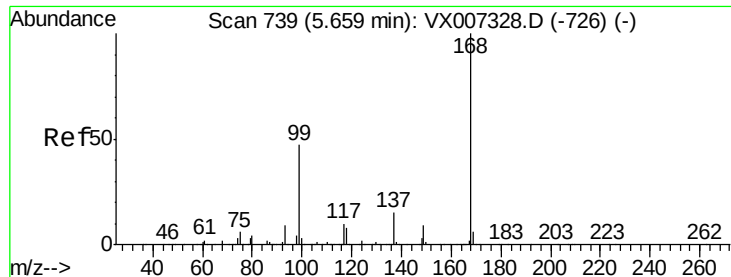
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
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Instrument :
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Quant Time: Feb 07 00:05:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	41672	1.506	ug/l	98
86) p-Isopropyltoluene	12.23	119	33356	1.336	ug/l	93
89) n-Butylbenzene	12.38	91	29447	1.371	ug/l #	60
90) Hexachloroethane	12.66	117	41459	11.091	ug/l #	5
91) 1,2-Dichlorobenzene	12.39	146	8412	0.592	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.97	75	3650	2.041	ug/l #	1
95) Naphthalene	13.83	128	36074	1.288	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

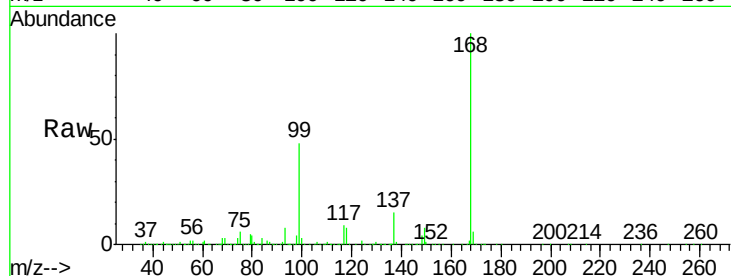
TW-1

Tot Ion:168 Resp: 569374

Ion Ratio Lower Upper

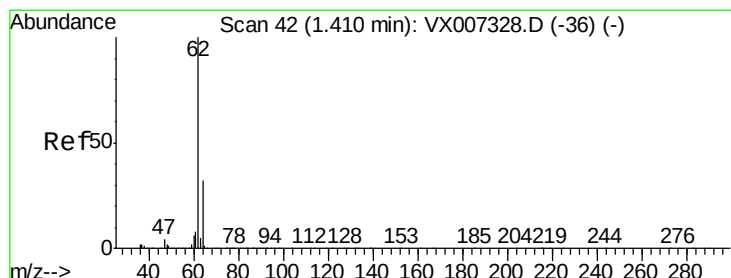
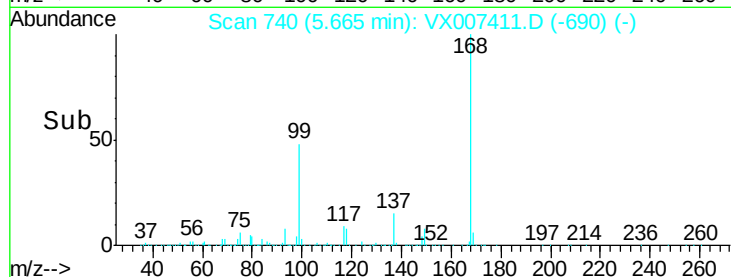
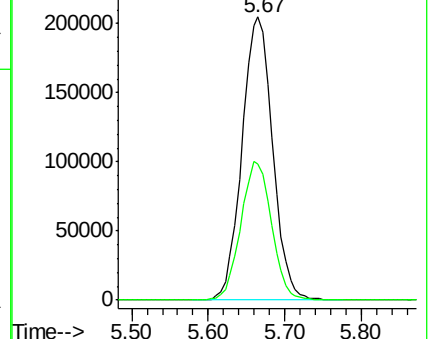
168 100

99 48.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007411.D

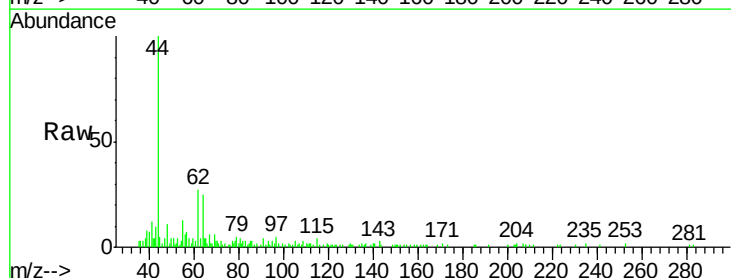
Acq: 06 Feb 2019 20:24

Tgt Ion: 62 Resp: 1762

Ion Ratio Lower Upper

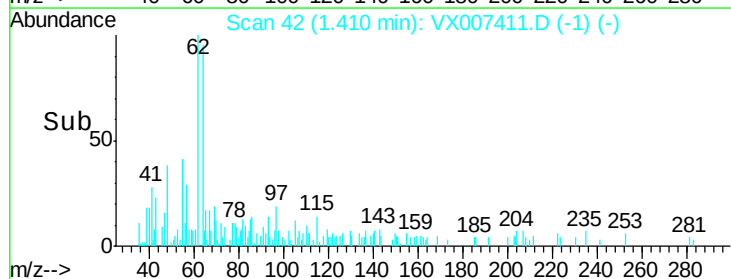
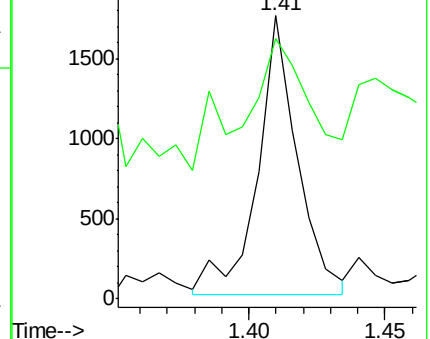
62 100

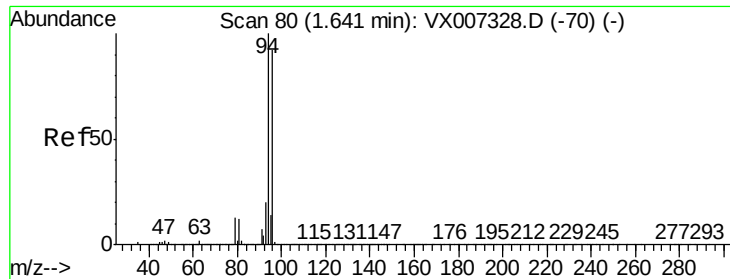
64 47.8 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

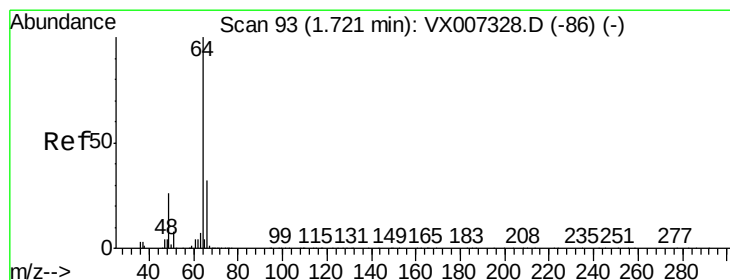
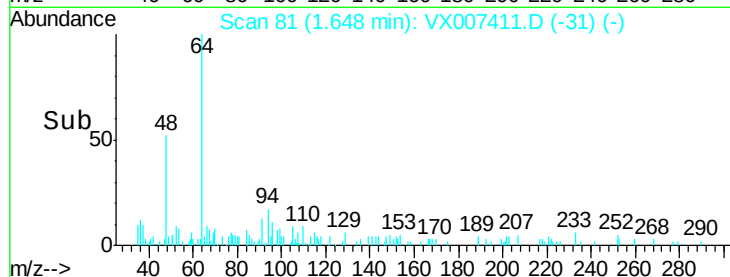
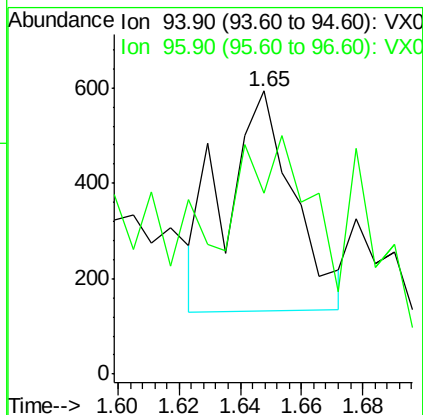
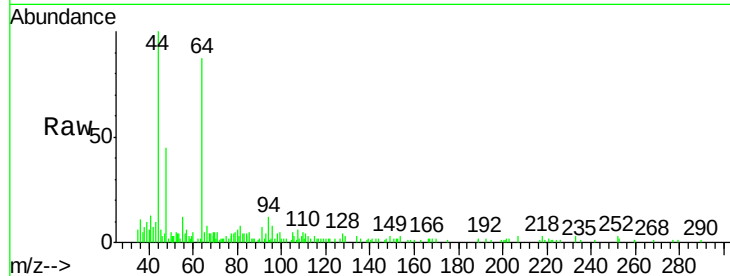
TW-1

Tot Ion: 94 Resp: 725

Ion Ratio Lower Upper

94 100

96 55.3 73.9 110.9#



#6

Chloroethane

Concen: 2.767 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007411.D

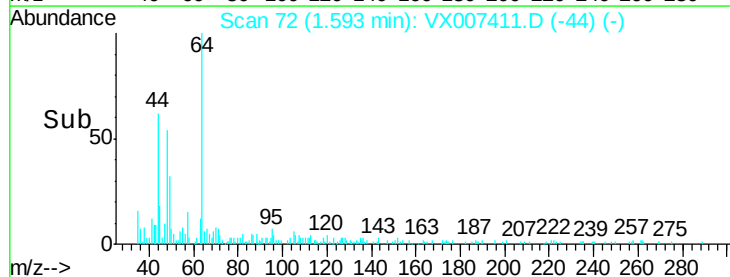
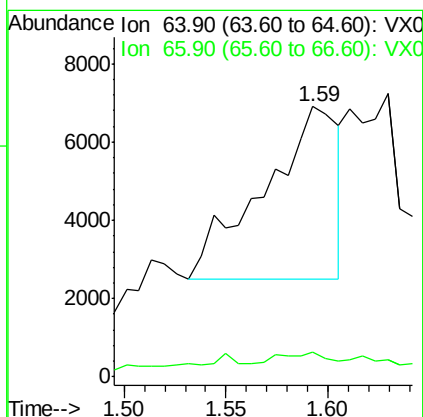
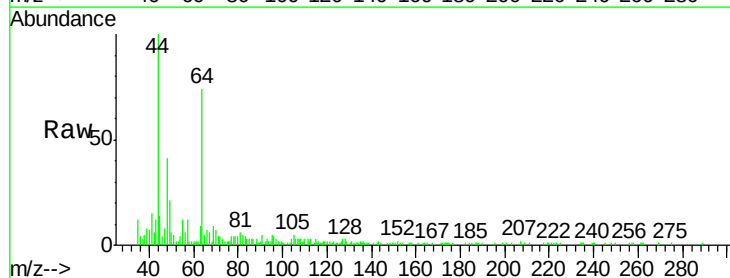
Acq: 06 Feb 2019 20:24

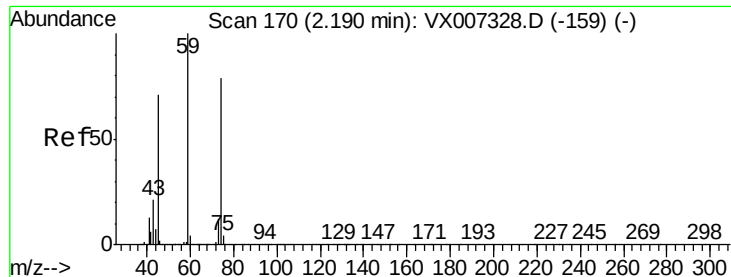
Tgt Ion: 64 Resp: 11262

Ion Ratio Lower Upper

64 100

66 7.0 25.5 38.3#





#8

Diethyl Ether

Concen: 0.332 ug/l

RT: 2.20 min Scan# 172

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

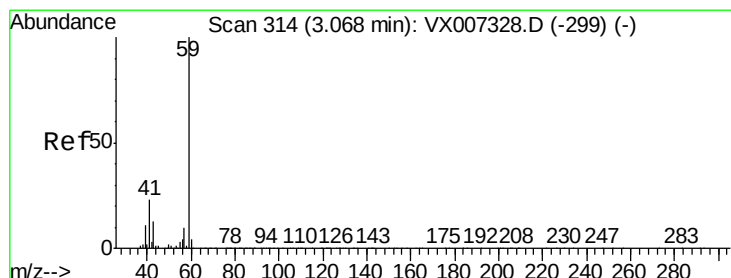
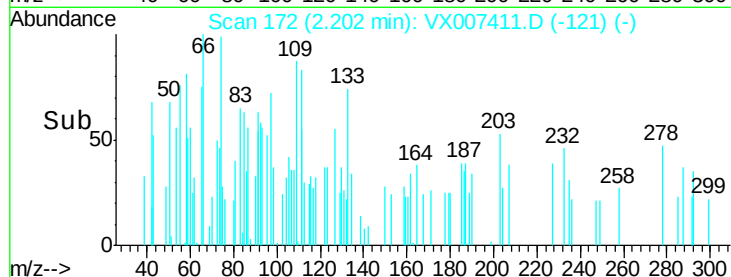
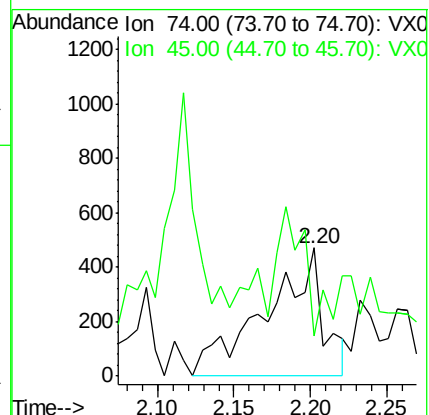
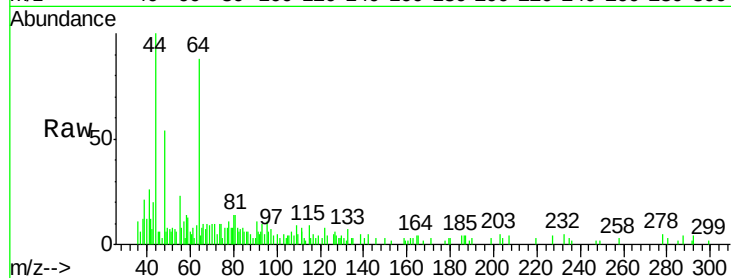
TW-1

Tot Ion: 74 Resp: 1229

Ion Ratio Lower Upper

74 100

45 50.9 45.7 137.1



#11

Tert butyl alcohol

Concen: 4.478 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007411.D

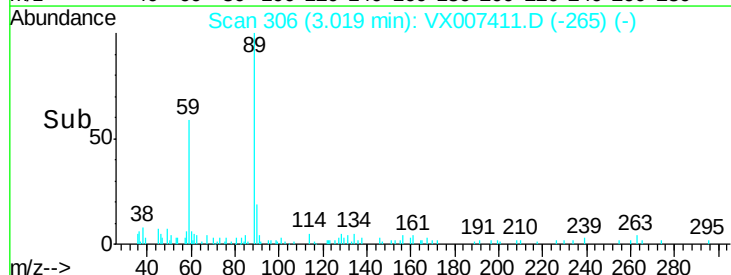
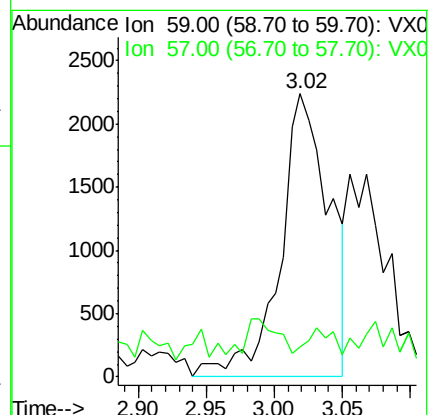
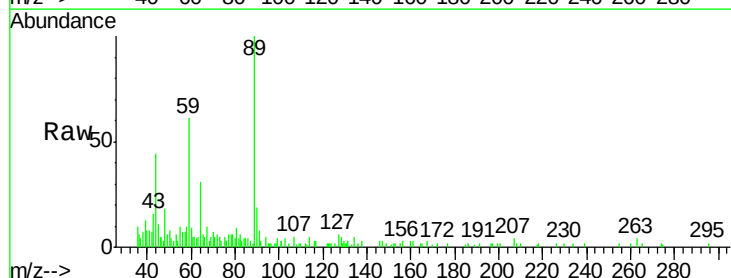
Acq: 06 Feb 2019 20:24

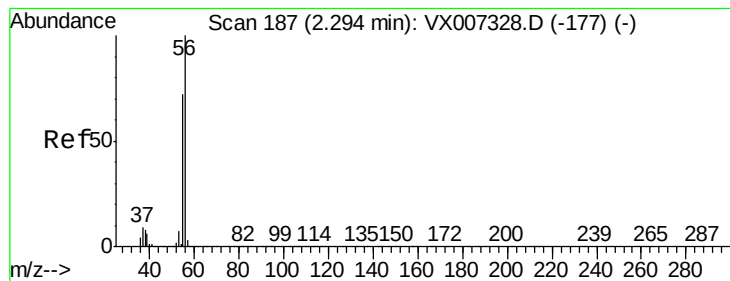
Tgt Ion: 59 Resp: 5600

Ion Ratio Lower Upper

59 100

57 4.6 8.1 12.1#





#13

Acrolein

Concen: 0.455 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

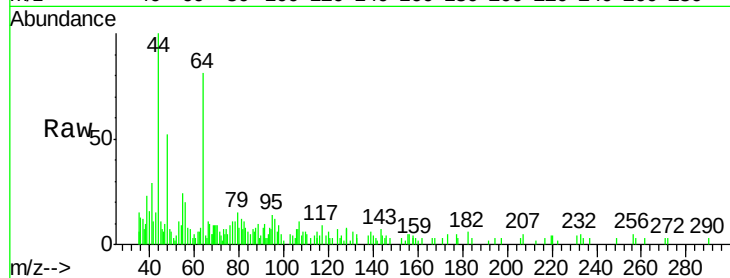
TW-1

Tot Ion: 56 Resp: 267

Ion Ratio Lower Upper

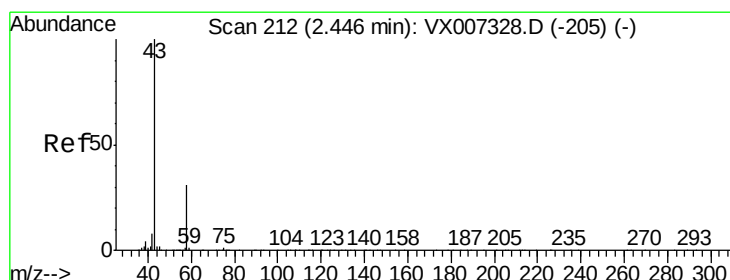
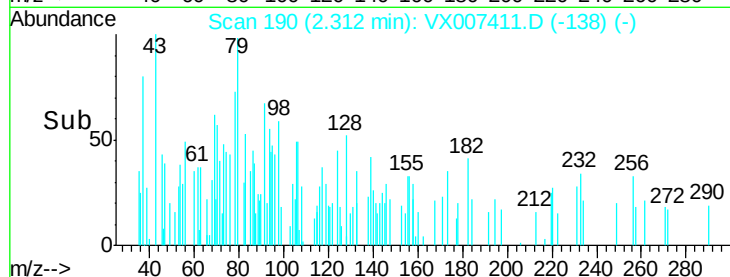
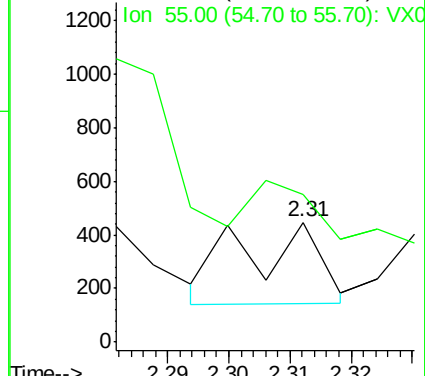
56 100

55 72.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.639 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007411.D

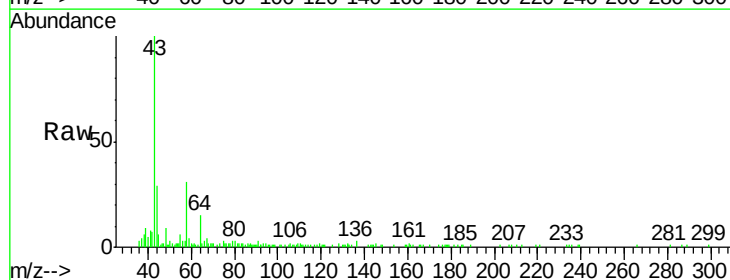
Acq: 06 Feb 2019 20:24

Tgt Ion: 43 Resp: 15611

Ion Ratio Lower Upper

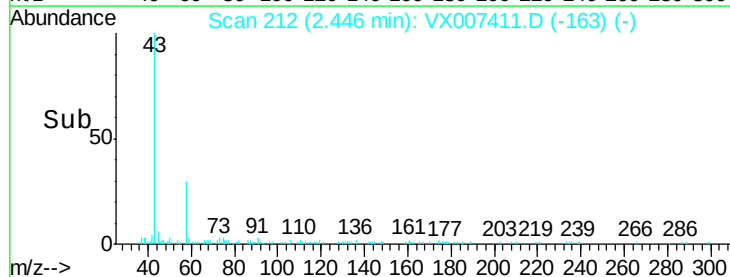
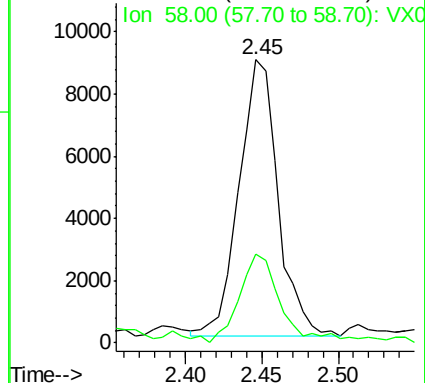
43 100

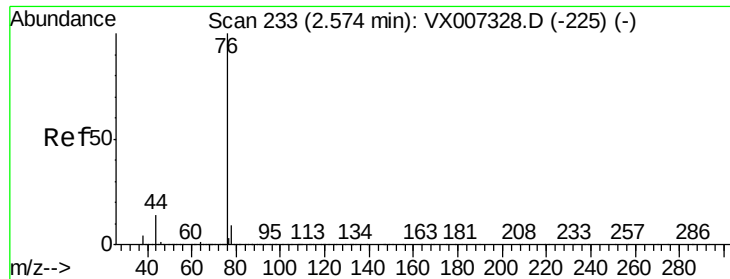
58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.339 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

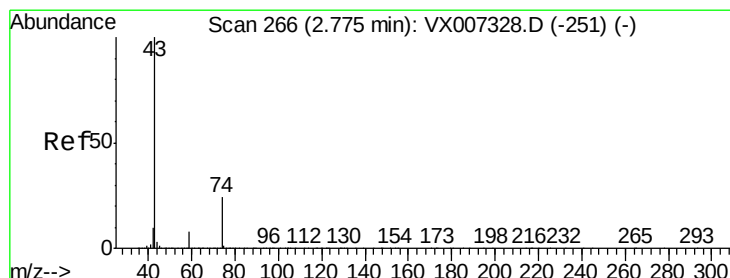
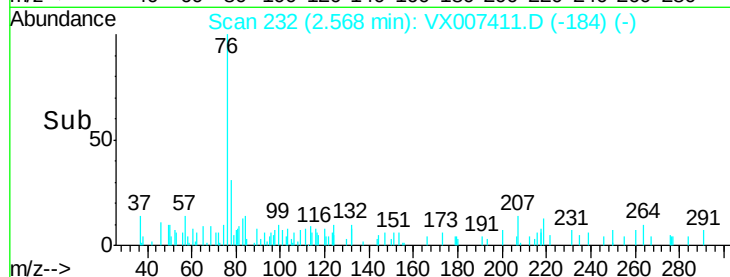
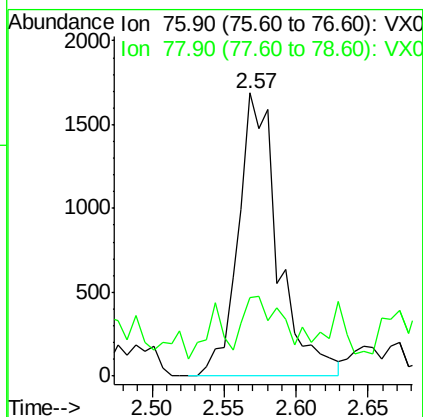
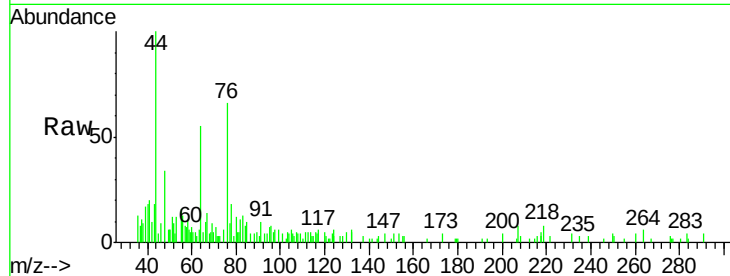
TW-1

Tot Ion: 76 Resp: 3239

Ion Ratio Lower Upper

76 100

78 21.6 7.1 10.7#



#18

Methyl Acetate

Concen: 0.862 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007411.D

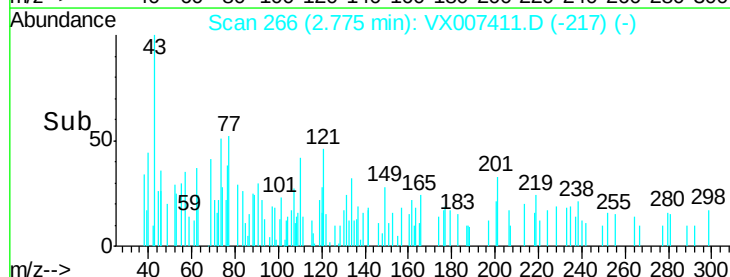
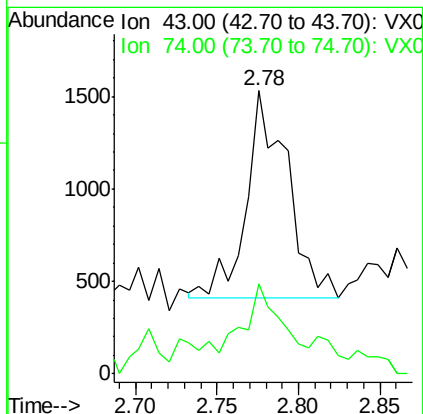
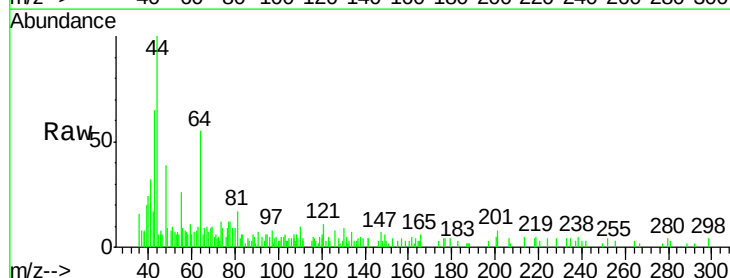
Acq: 06 Feb 2019 20:24

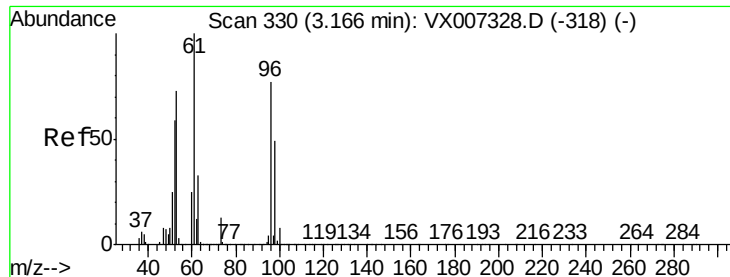
Tgt Ion: 43 Resp: 1966

Ion Ratio Lower Upper

43 100

74 25.6 19.4 29.2





#21

trans-1,2-Dichloroethene

Concen: 0.439 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

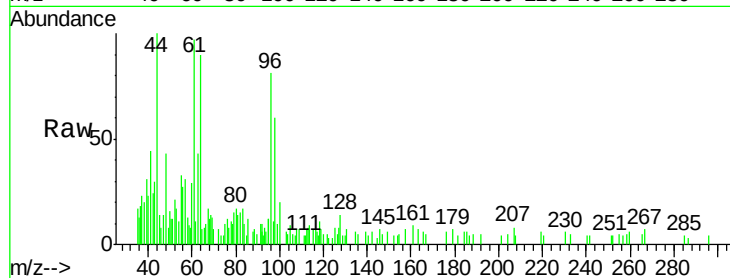
Tot Ion: 96 Resp: 2541

Ion Ratio Lower Upper

96 100

61 109.4 104.6 156.8

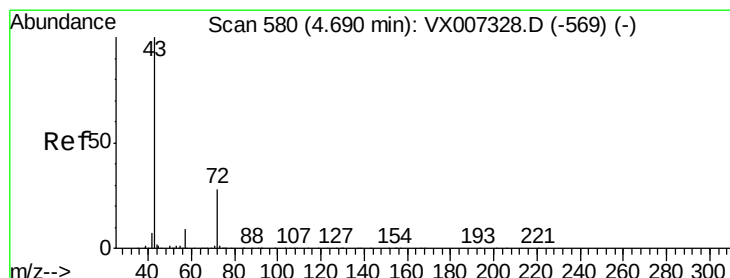
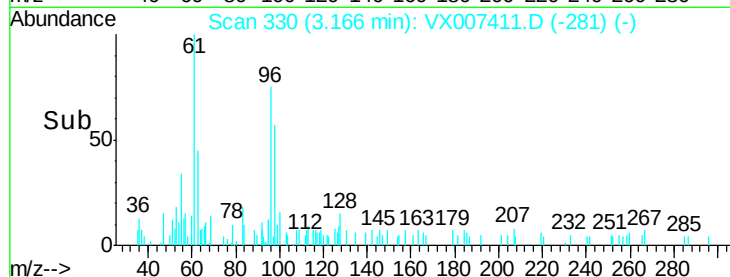
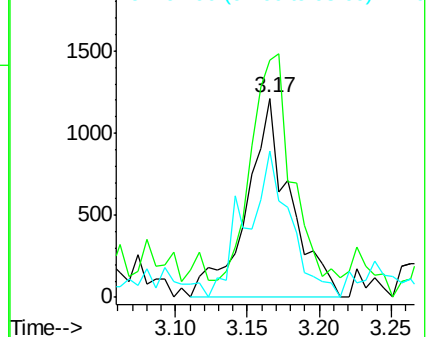
98 73.7 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.004 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007411.D

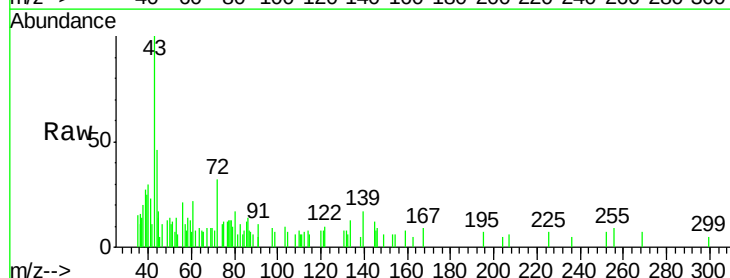
Acq: 06 Feb 2019 20:24

Tgt Ion: 43 Resp: 3954

Ion Ratio Lower Upper

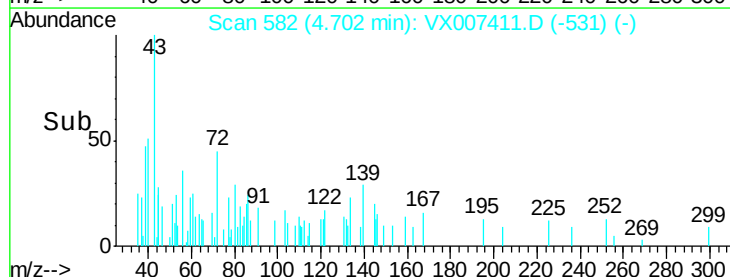
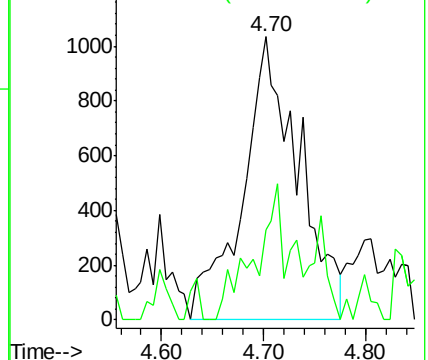
43 100

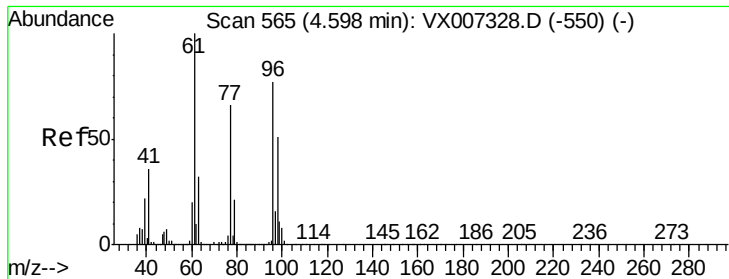
72 25.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



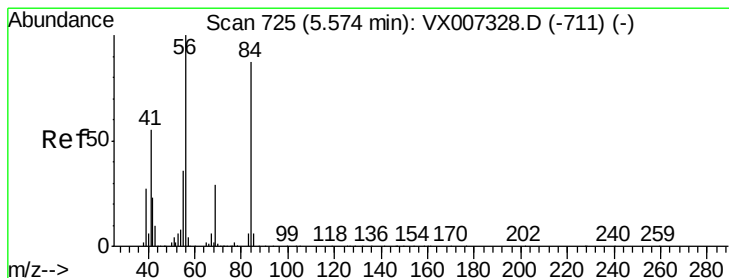
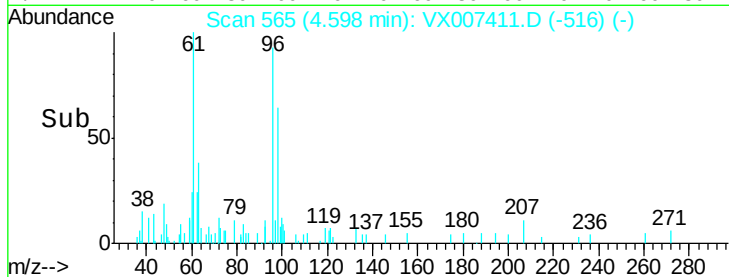
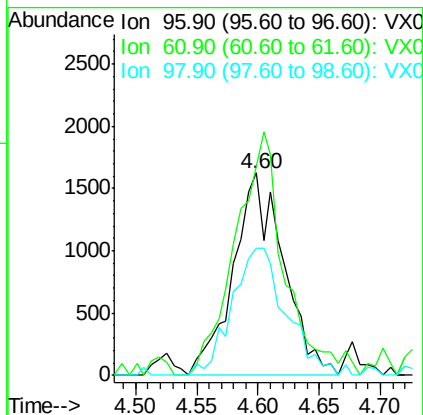
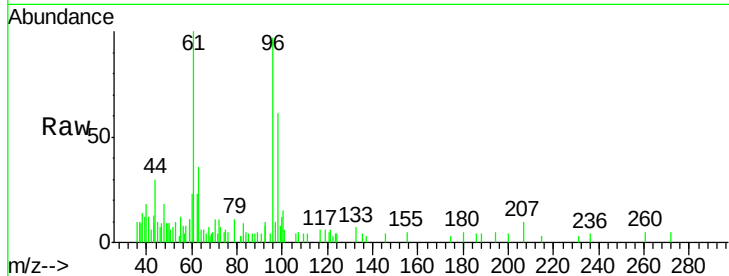


#27

cis-1,2-Dichloroethene
Concen: 0.733 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
TW-1

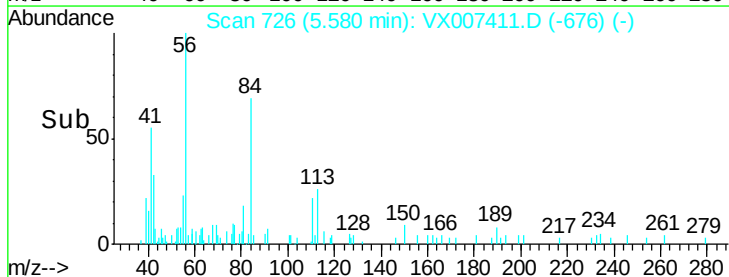
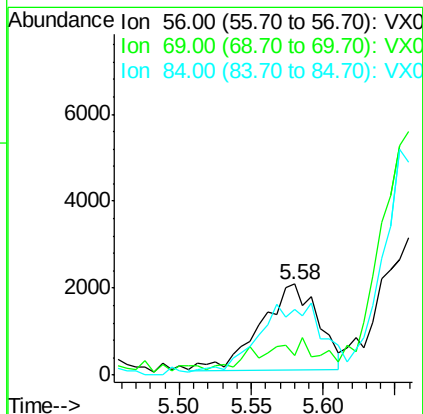
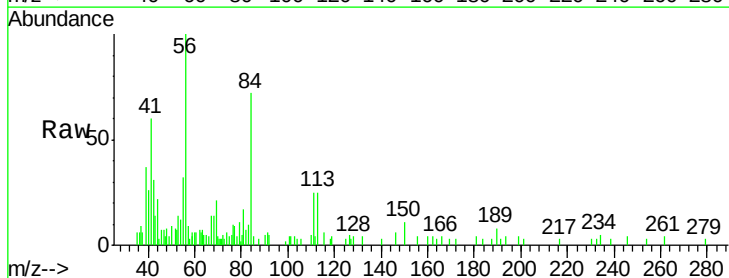
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.7	0.0	265.6
98	68.4	0.0	131.6

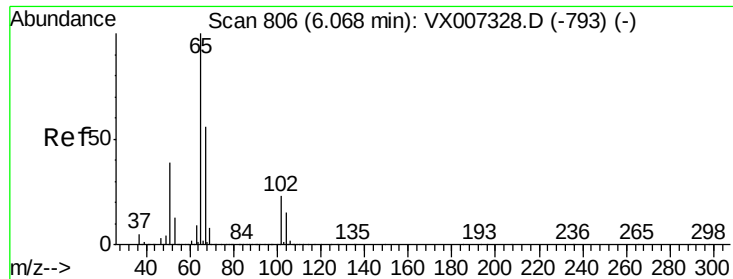


#31

Cyclohexane
Concen: 0.657 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	12.6	23.0	34.6#
84	79.9	69.8	104.6

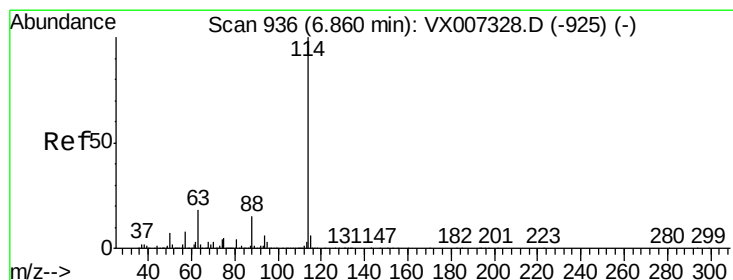
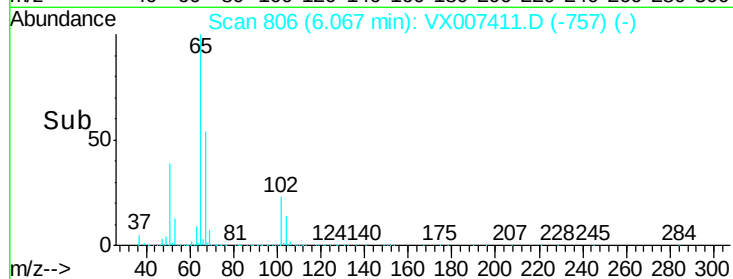
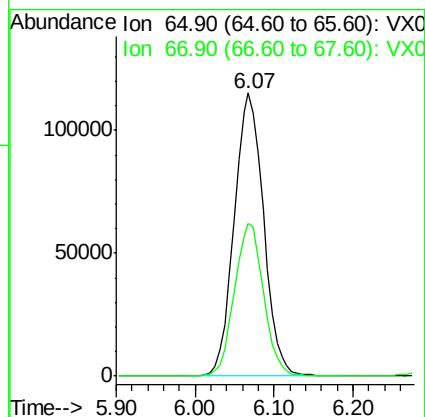
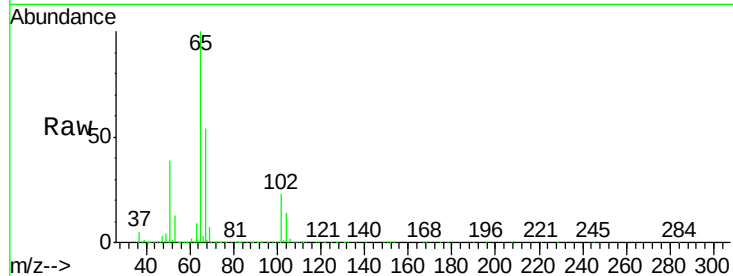




#33
 1,2-Dichloroethane-d4
 Concen: 49.344 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

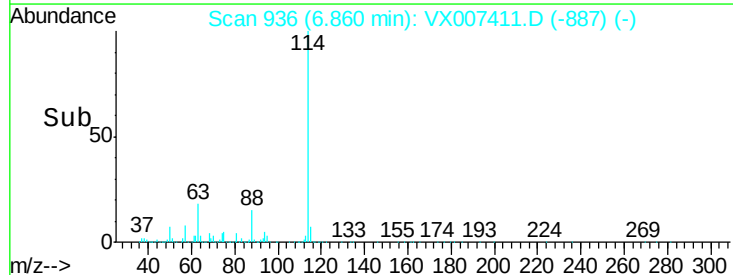
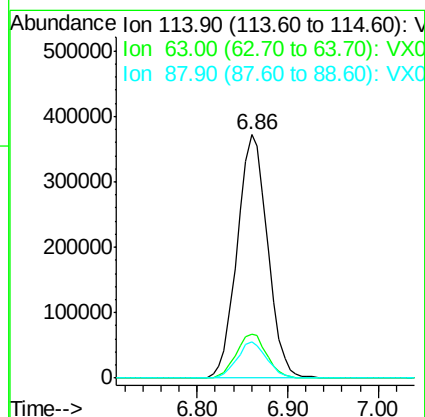
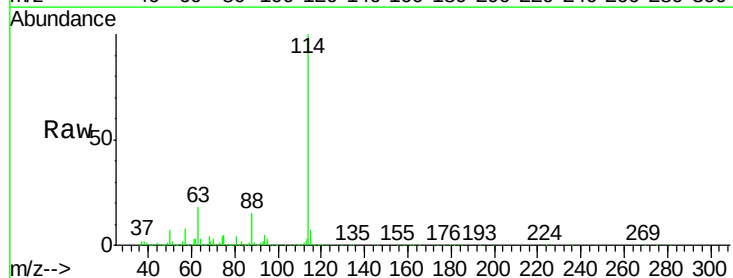
Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

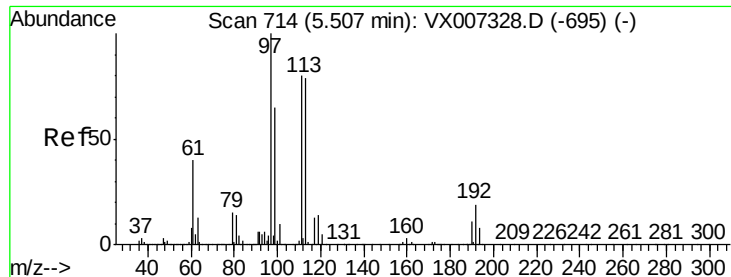
Tot Ion: 65 Resp: 298205
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

Tgt Ion: 114 Resp: 865413
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 14.8 0.0 29.6

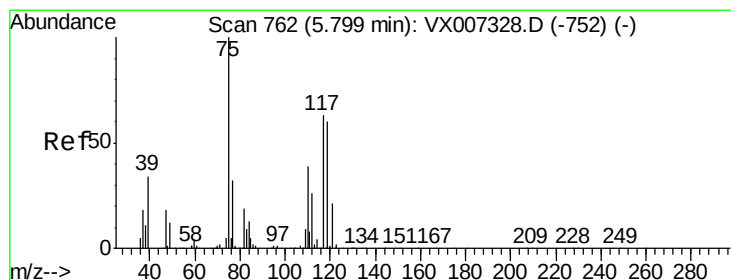
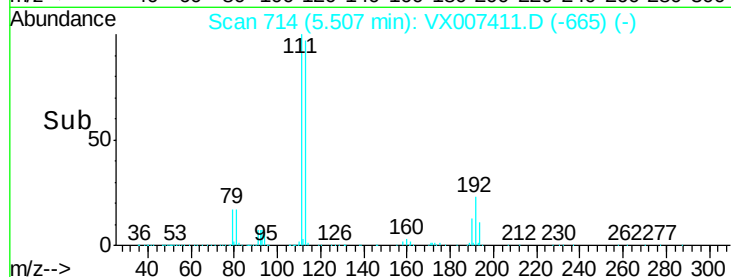
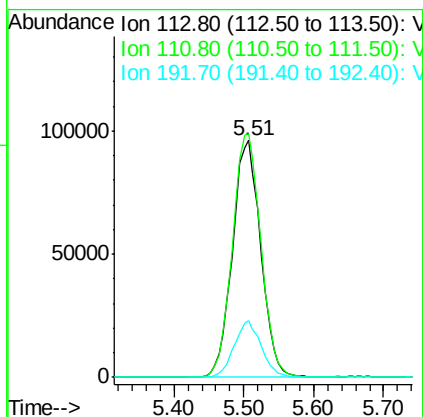
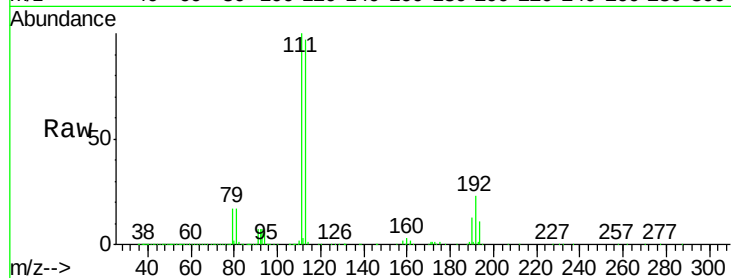




#35
 Dibromofluoromethane
 Concen: 47.982 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

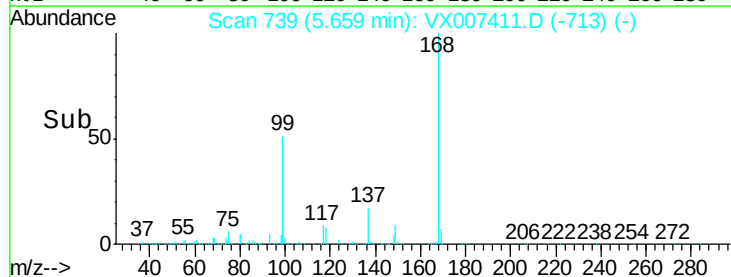
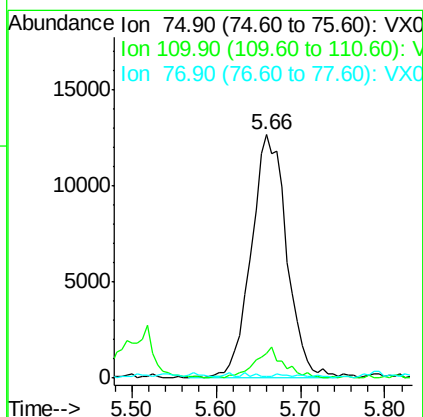
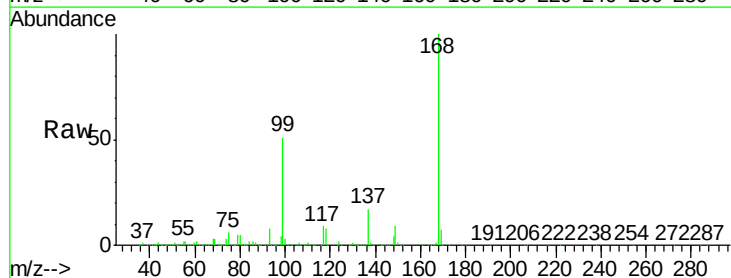
Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

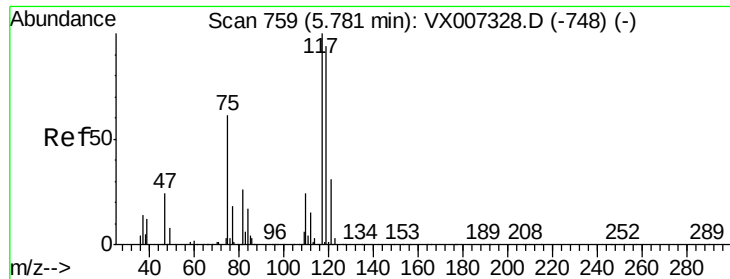
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	23.0	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.0	59.9#
77	0.4	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.885 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

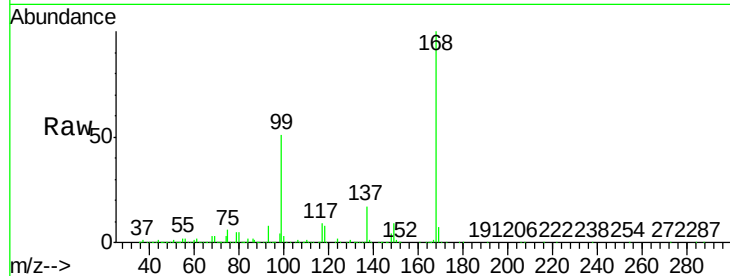
Tot Ion:117 Resp: 51863

Ion Ratio Lower Upper

117 100

119 4.5 75.3 112.9#

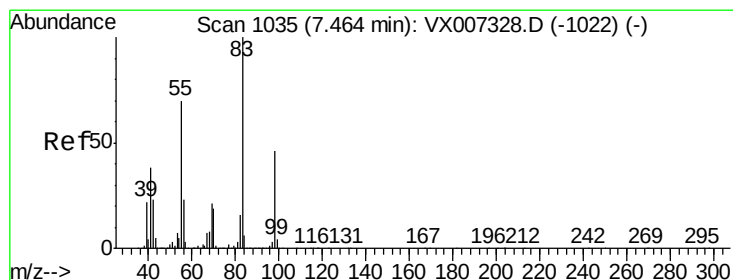
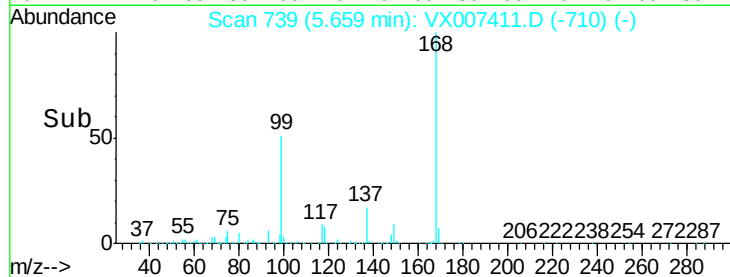
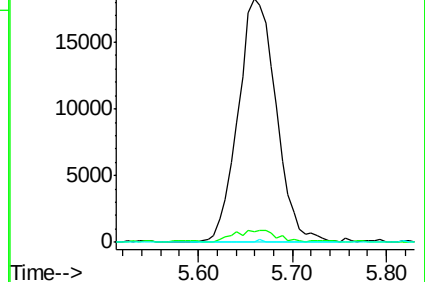
121 0.0 25.0 37.4#



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



#39

Methylcyclohexane

Concen: 0.543 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

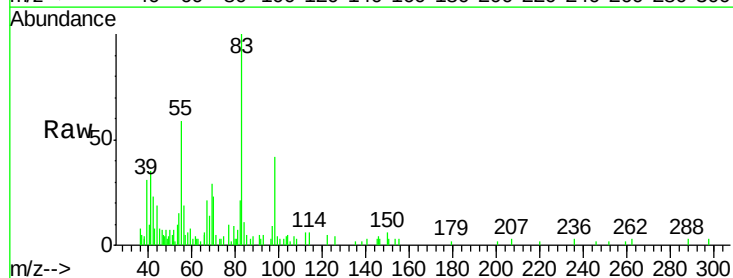
Tgt Ion: 83 Resp: 5102

Ion Ratio Lower Upper

83 100

55 41.4 56.2 84.2#

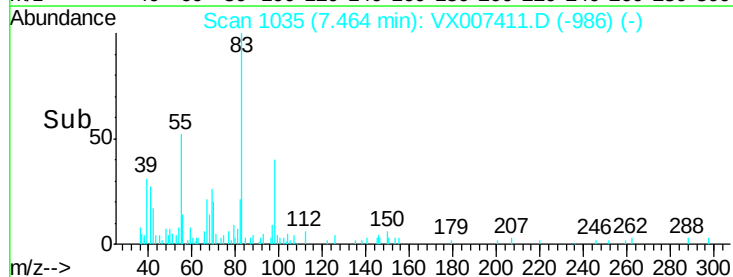
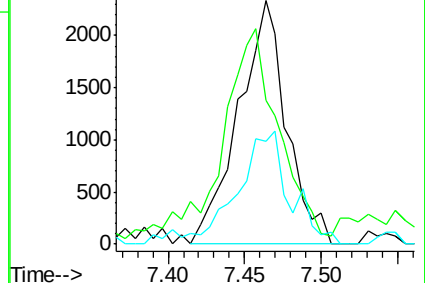
98 42.0 36.8 55.2

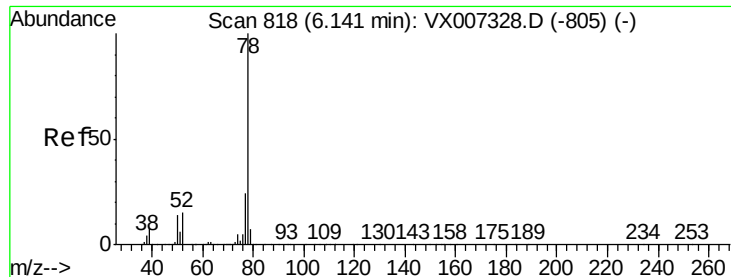


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.695 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

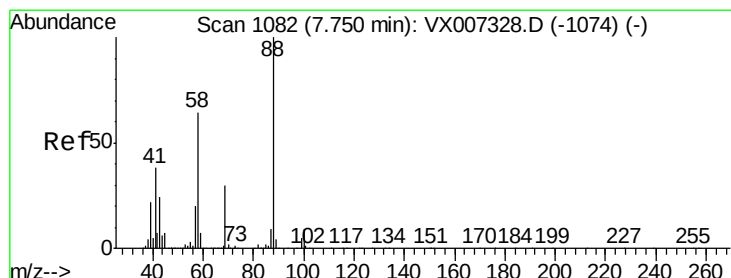
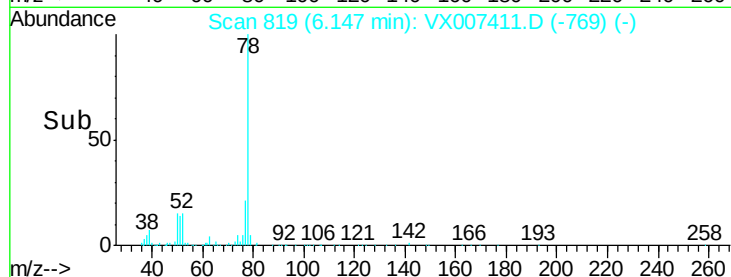
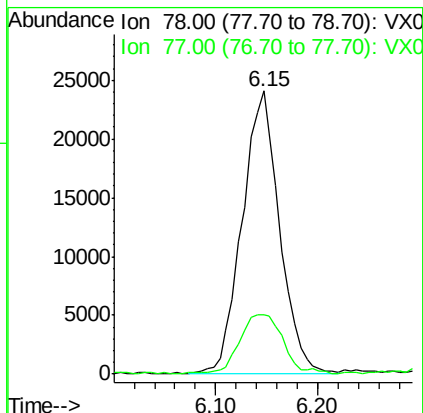
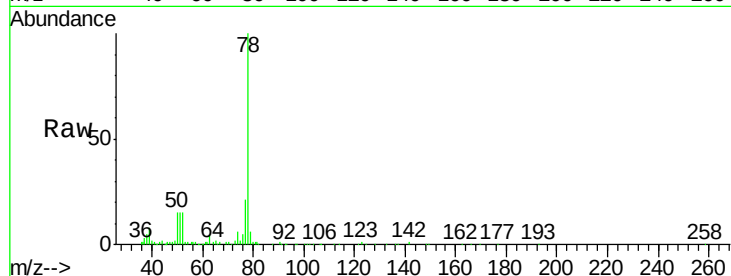
TW-1

Tot Ion: 78 Resp: 61650

Ion Ratio Lower Upper

78 100

77 20.8 19.3 28.9



#49

1,4-Dioxane

Concen: 7.527 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

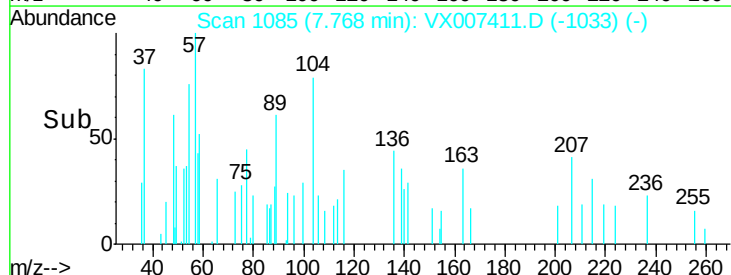
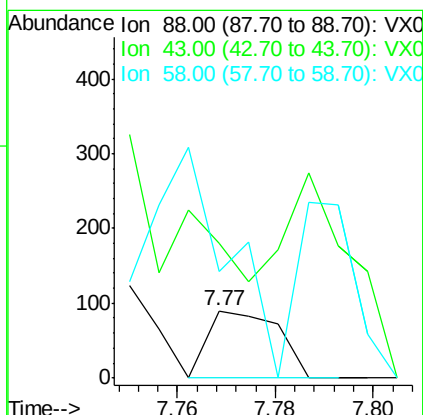
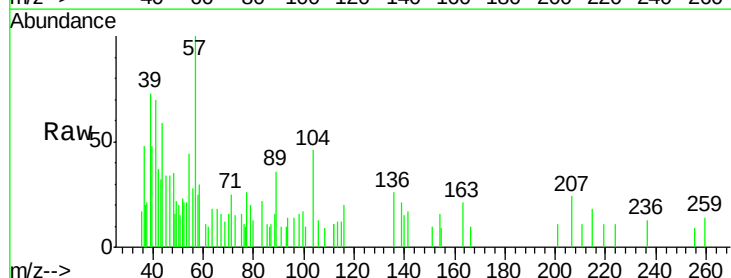
Tgt Ion: 88 Resp: 90

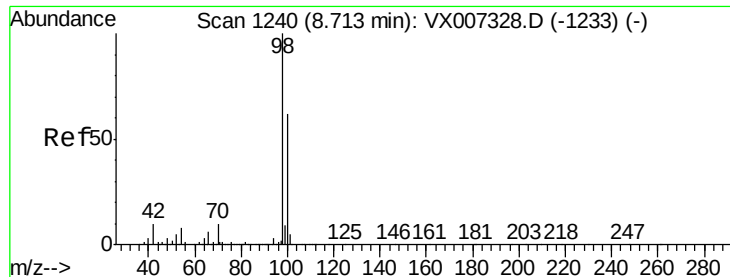
Ion Ratio Lower Upper

88 100

43 546.7 24.2 36.4#

58 457.8 53.0 79.4#





#50

Toluene-d8

Concen: 49.068 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

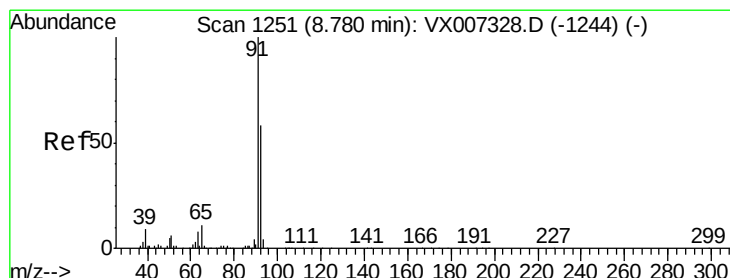
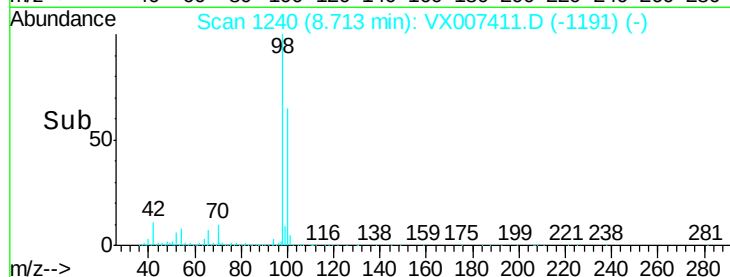
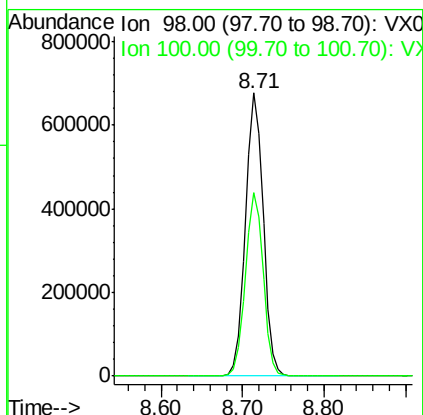
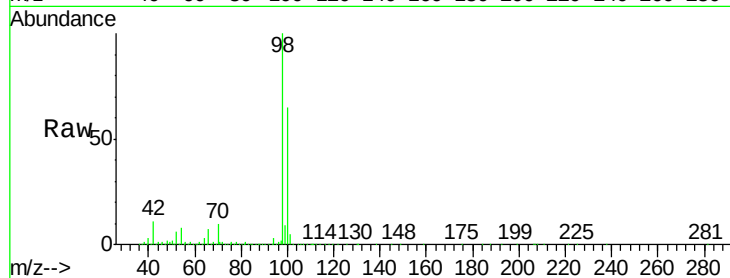
TW-1

Tot Ion: 98 Resp: 1025111

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#52

Toluene

Concen: 0.411 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007411.D

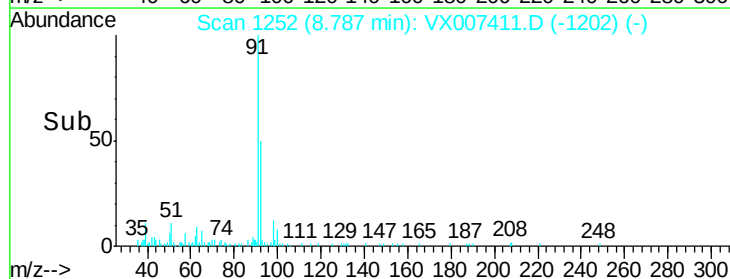
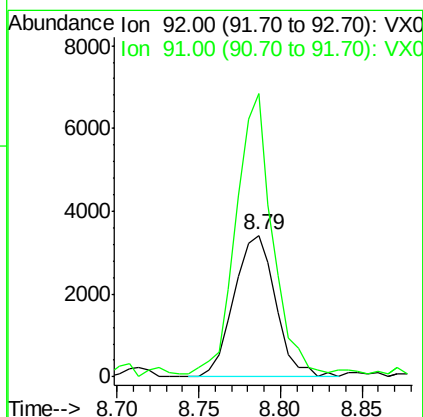
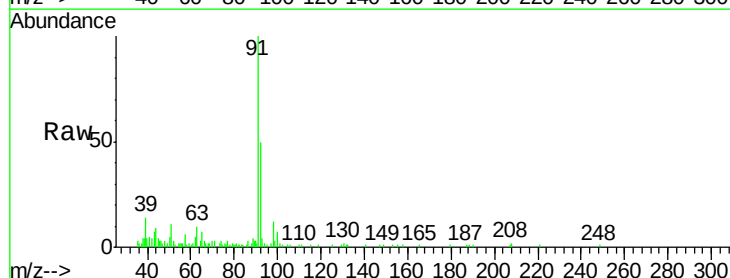
Acq: 06 Feb 2019 20:24

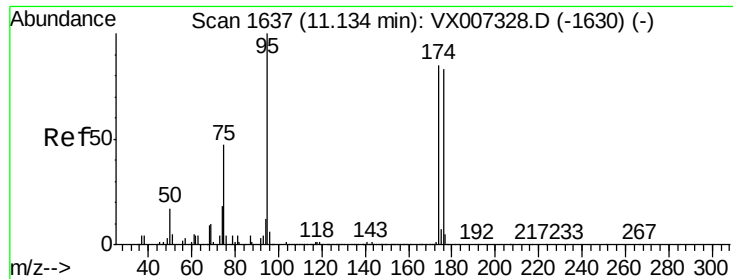
Tgt Ion: 92 Resp: 6061

Ion Ratio Lower Upper

92 100

91 173.0 139.1 208.7

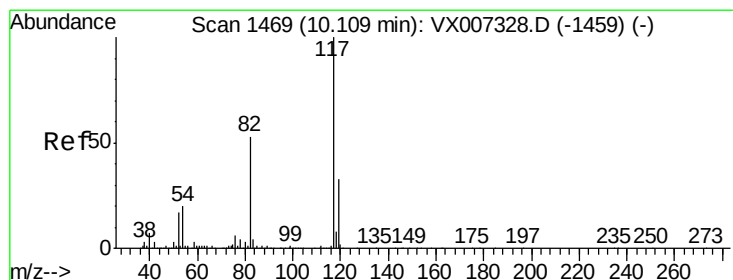
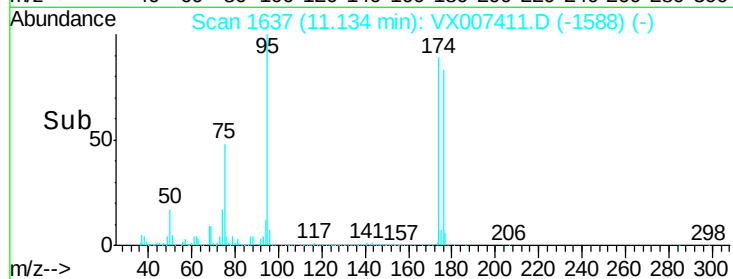
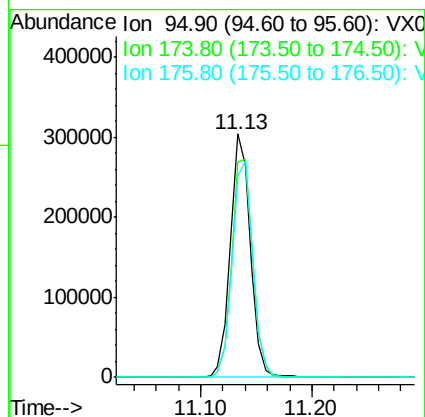
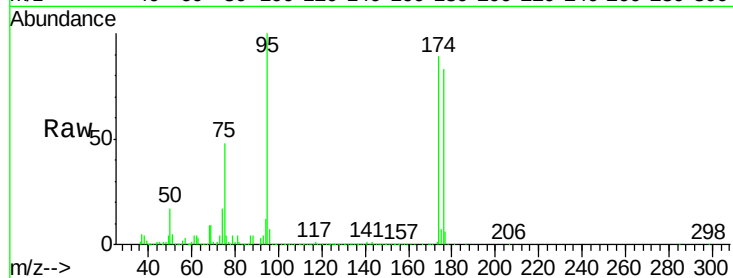




#62
4-Bromofluorobenzene
Concen: 49.506 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

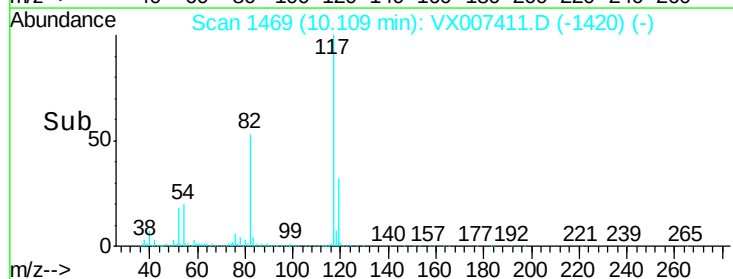
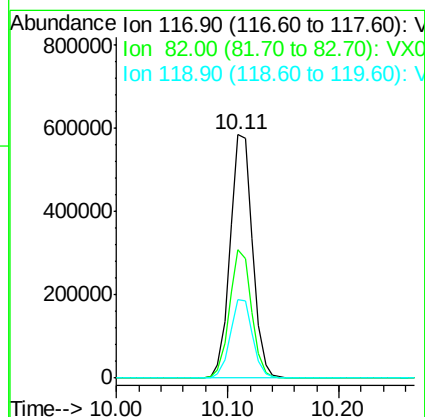
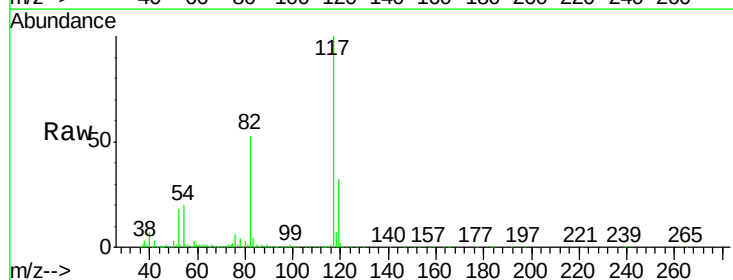
Instrument :
MSVOA_X
ClientSampled :
TW-1

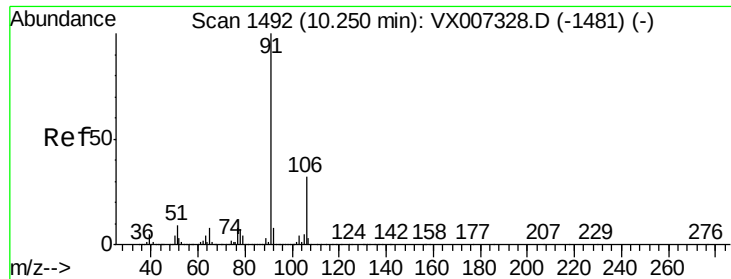
Tot Ion: 95 Resp: 377609
Ion Ratio Lower Upper
95 100
174 94.2 0.0 189.2
176 91.4 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Tgt Ion: 117 Resp: 809694
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.4 26.5 39.7





#67

Ethyl Benzene

Concen: 54.402 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

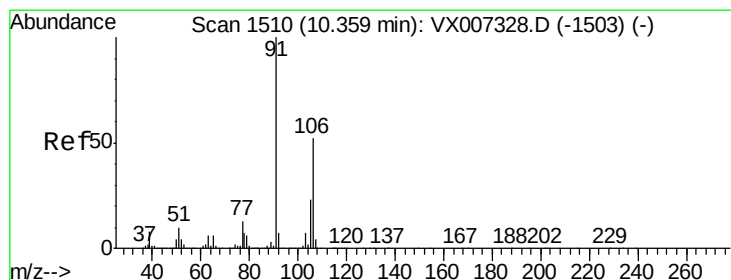
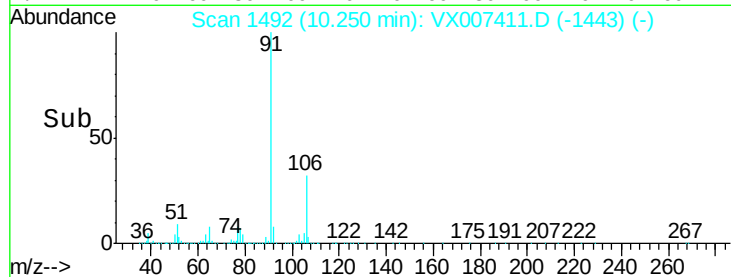
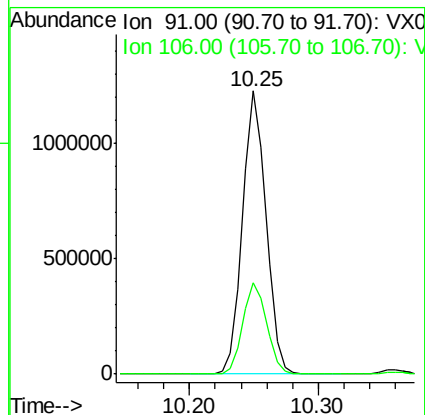
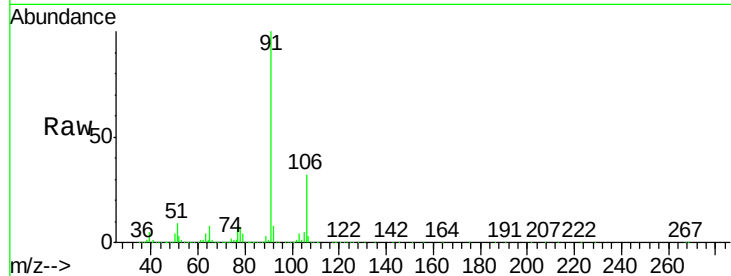
TW-1

Tot Ion: 91 Resp: 1547942

Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0



#68

m/p-Xylenes

Concen: 44.789 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.11 min

Lab File: VX007411.D

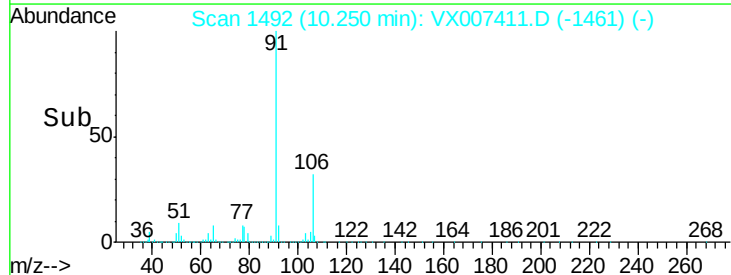
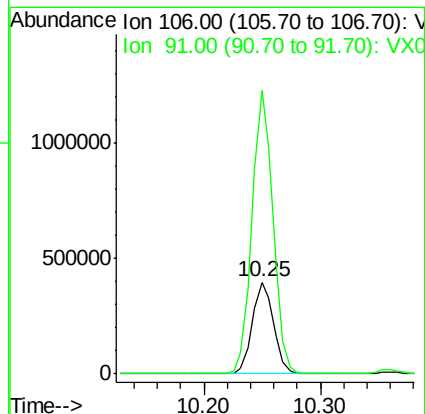
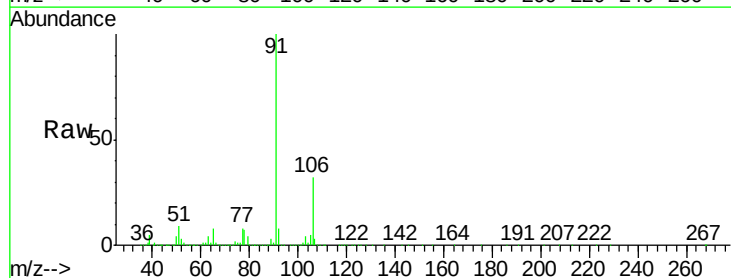
Acq: 06 Feb 2019 20:24

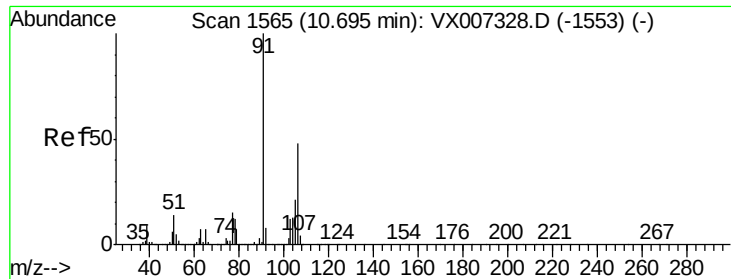
Tgt Ion: 106 Resp: 506595

Ion Ratio Lower Upper

106 100

91 305.6 156.6 234.8#





#69

o-Xylene

Concen: 0.572 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

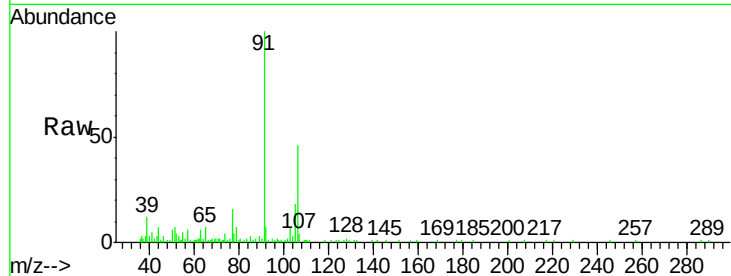
TW-1

Tot Ion:106 Resp: 6224

Ion Ratio Lower Upper

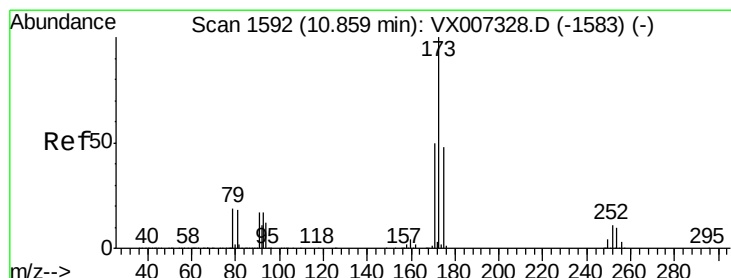
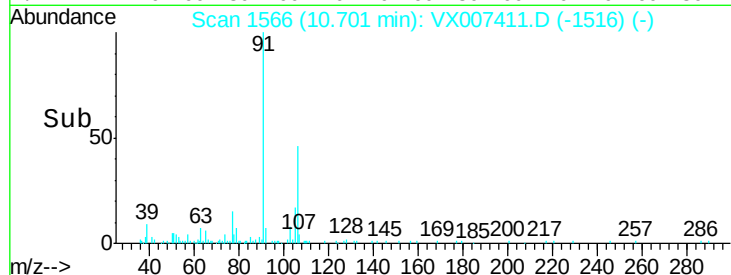
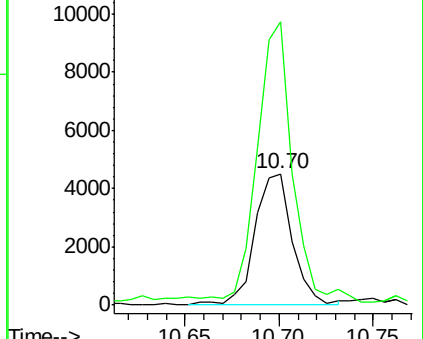
106 100

91 198.0 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 4.059 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

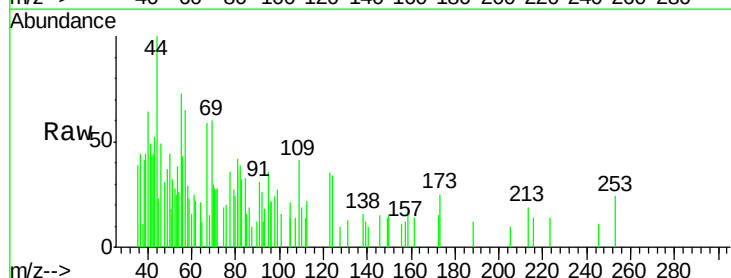
Tgt Ion:173 Resp: 168

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

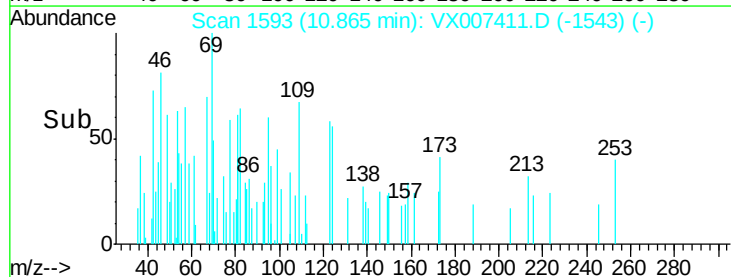
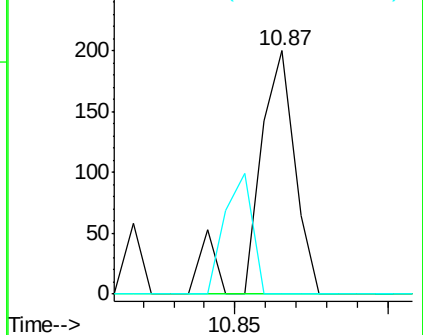
254 36.3 0.2 0.2#

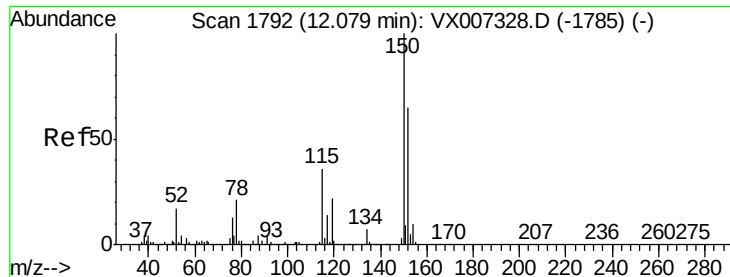


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

TW-1

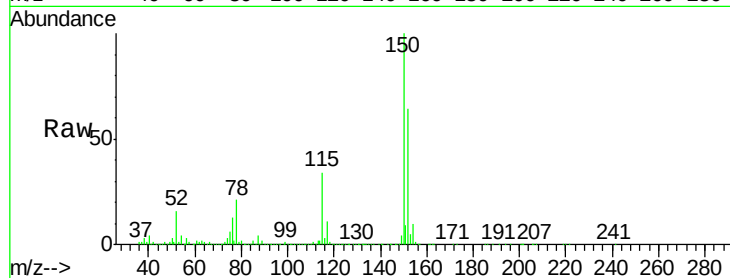
Tot Ion:152 Resp: 415310

Ion Ratio Lower Upper

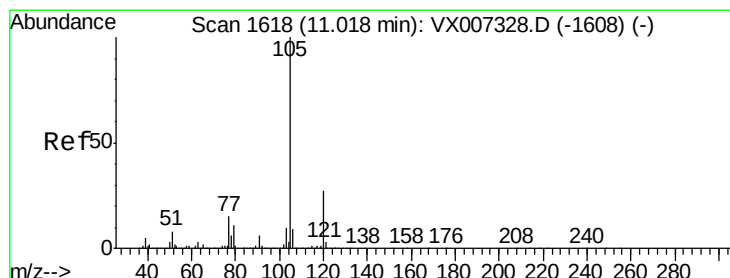
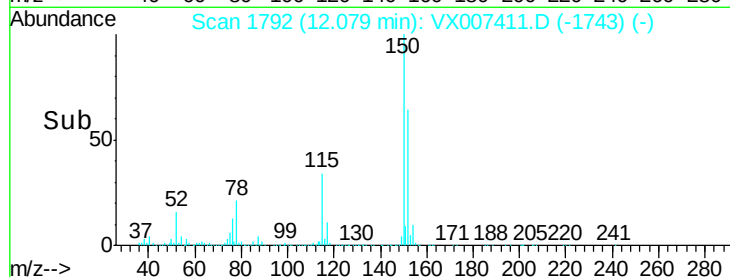
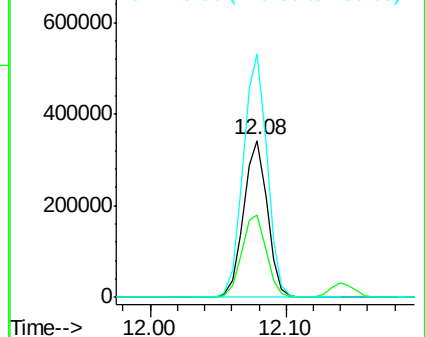
152 100

115 54.3 38.0 114.0

150 156.9 0.0 346.4



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



#73

Isopropylbenzene

Concen: 5.962 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007411.D

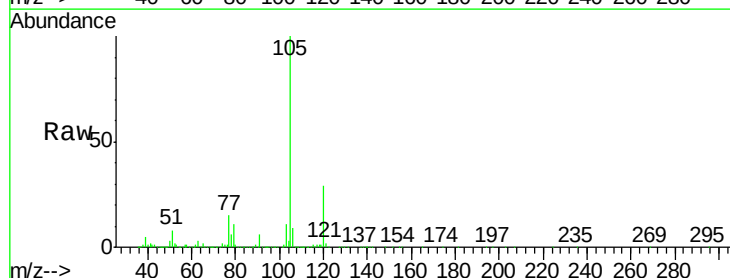
Acq: 06 Feb 2019 20:24

Tgt Ion:105 Resp: 168274

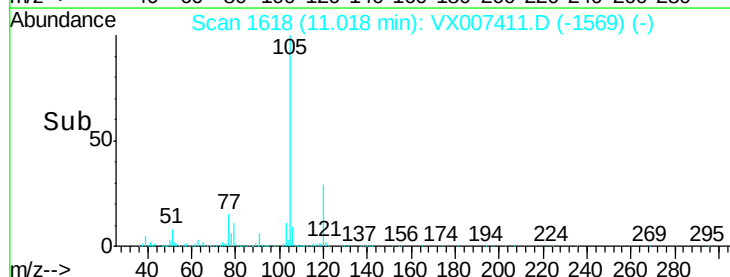
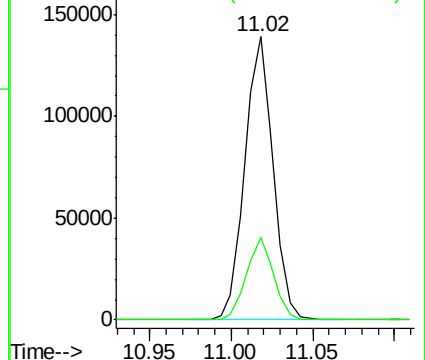
Ion Ratio Lower Upper

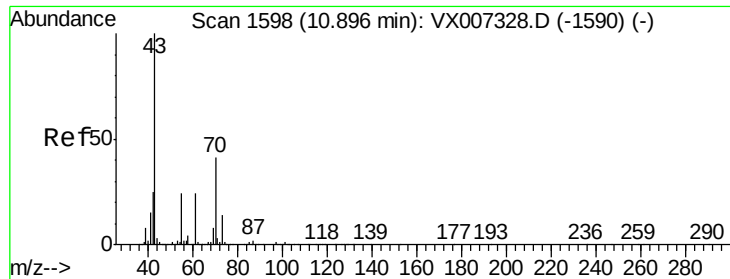
105 100

120 28.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.515 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.05 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 43 Resp: 5625

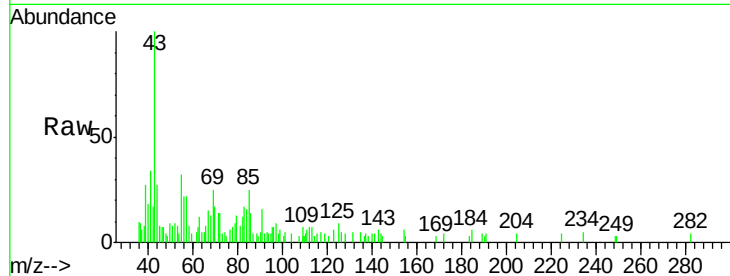
Ion Ratio Lower Upper

43 100

70 7.1 33.8 50.6#

55 0.0 19.5 29.3#

61 0.0 19.4 29.2#

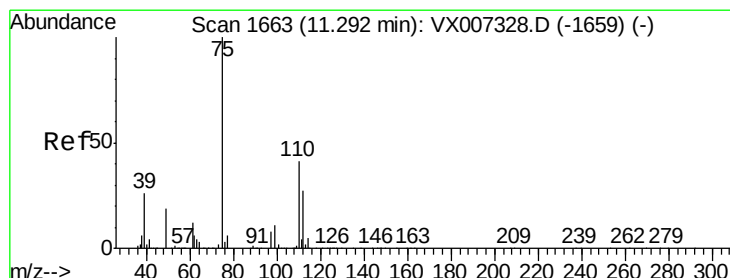
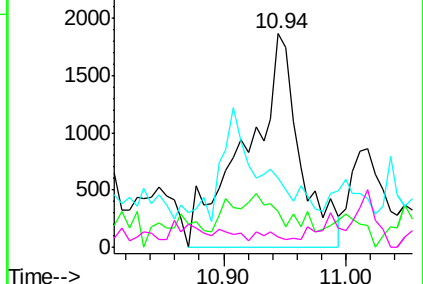
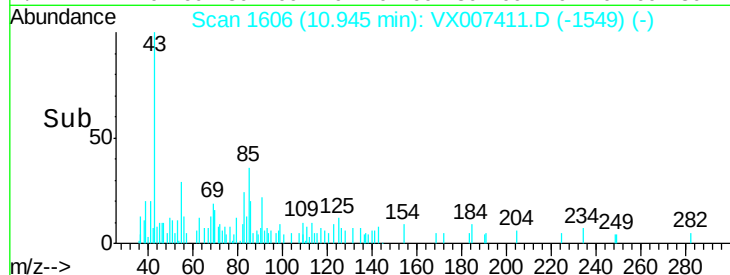


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.583 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007411.D

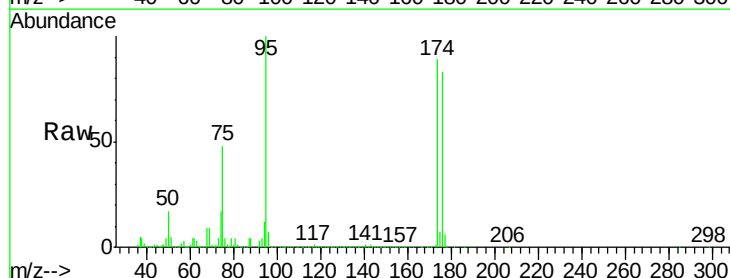
Acq: 06 Feb 2019 20:24

Tgt Ion: 75 Resp: 182432

Ion Ratio Lower Upper

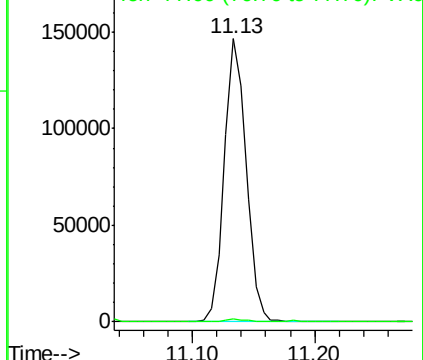
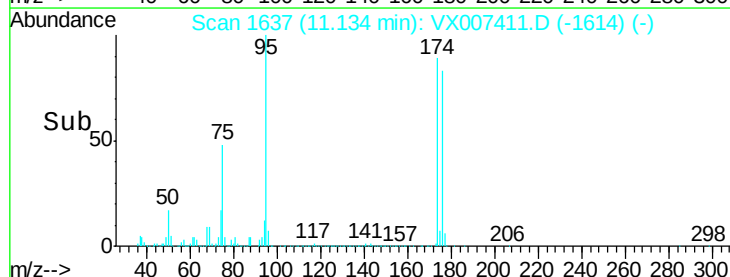
75 100

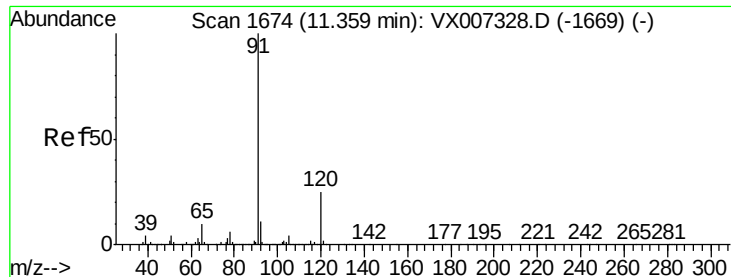
77 1.2 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 10.664 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

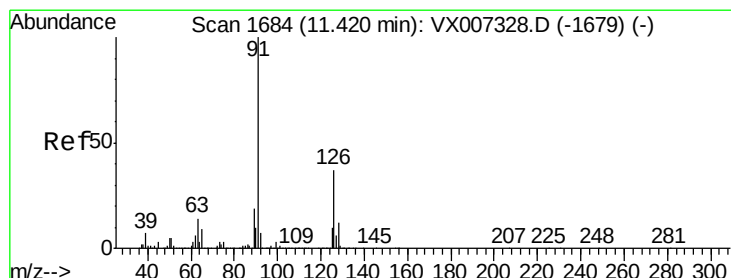
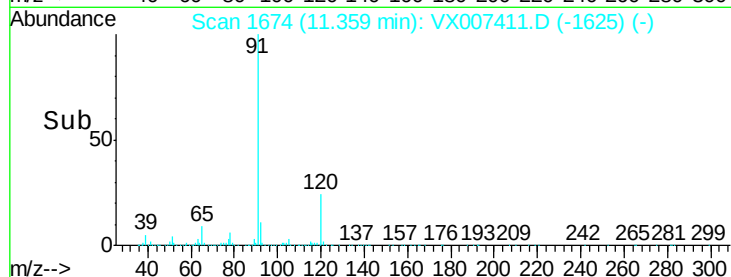
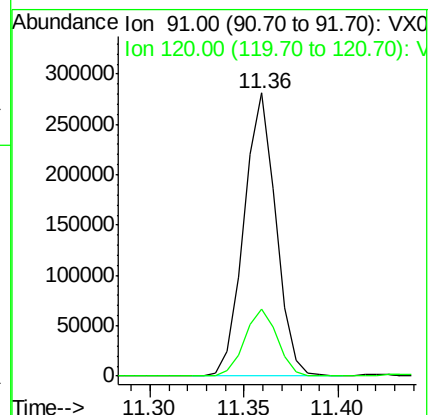
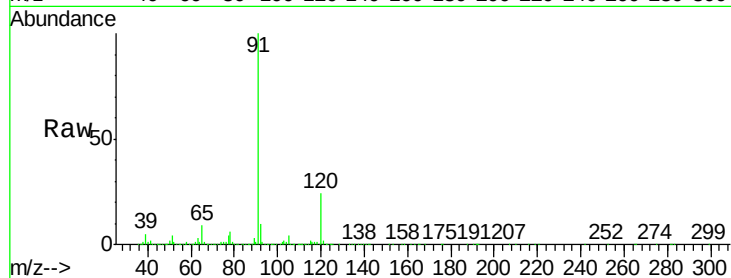
TW-1

Tot Ion: 91 Resp: 330038

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.2



#79

2-Chlorotoluene

Concen: 17.575 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007411.D

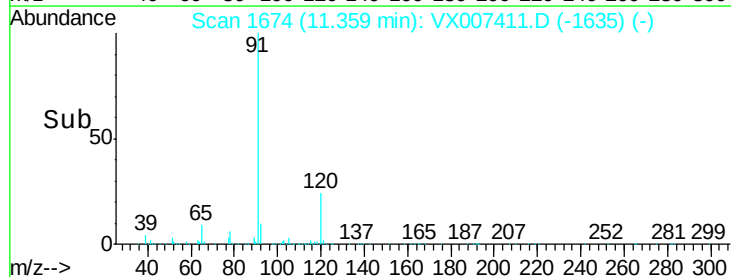
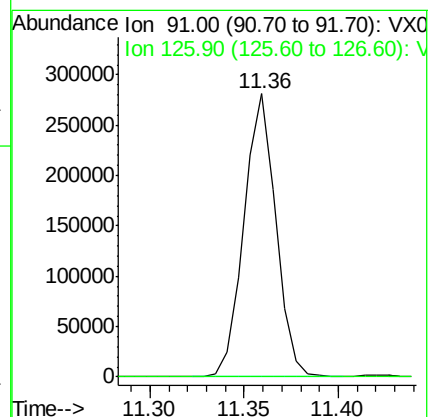
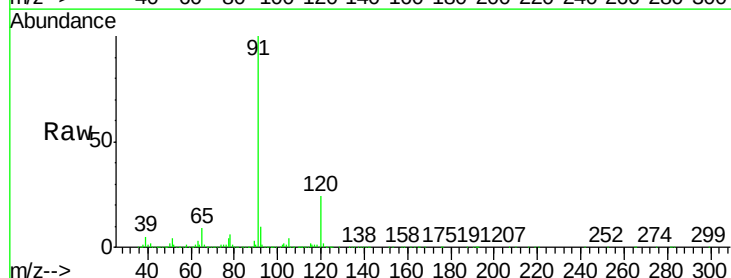
Acq: 06 Feb 2019 20:24

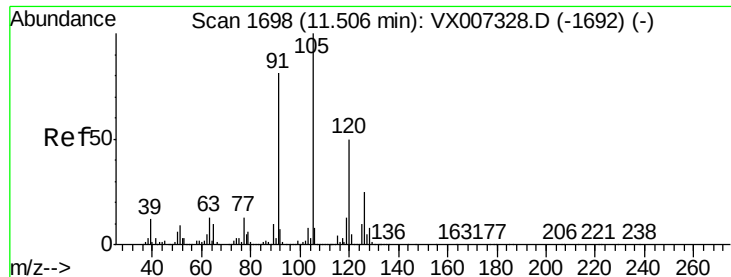
Tgt Ion: 91 Resp: 330038

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#

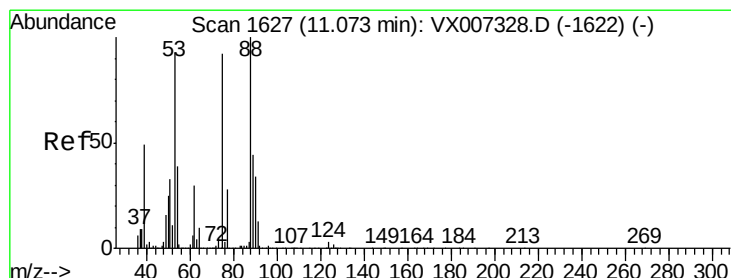
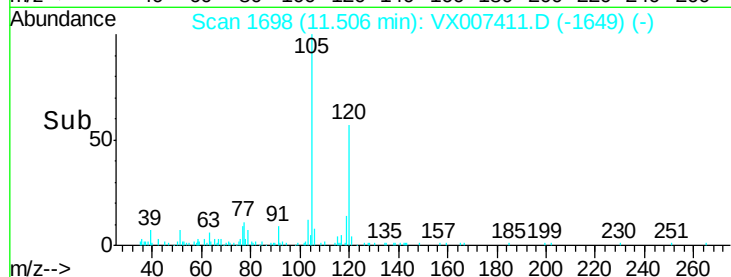
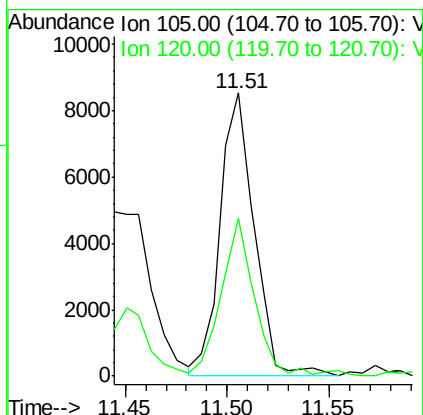
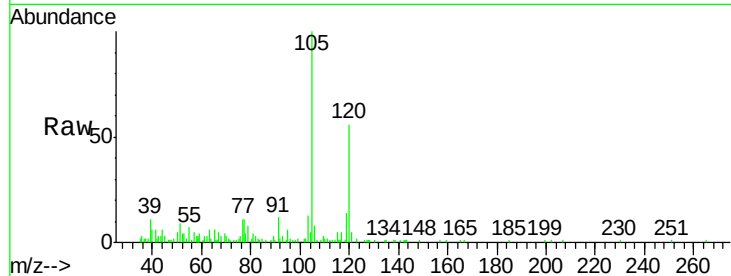




#80
 1,3,5-Trimethylbenzene
 Concen: 0.428 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

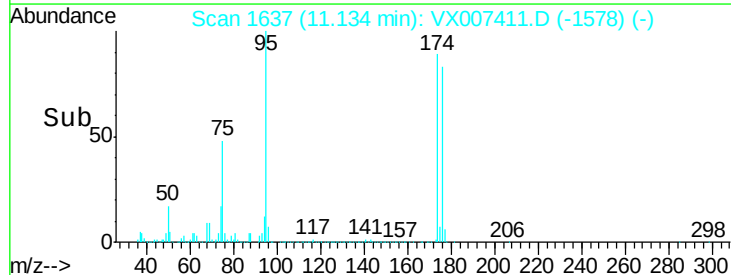
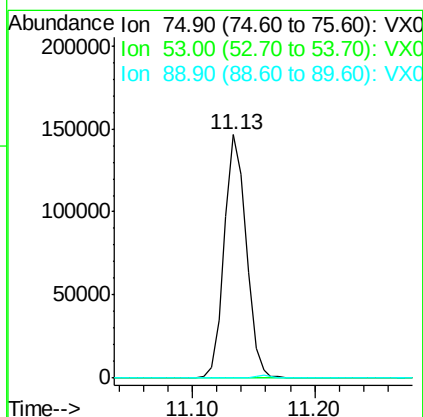
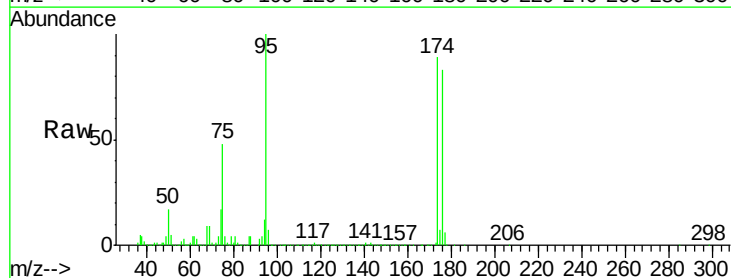
Instrument :
 MSVOA_X
 ClientSampleID :
 TW-1

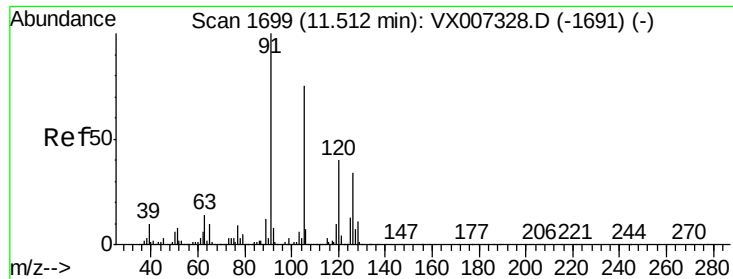
Tot Ion:105 Resp: 9887
 Ion Ratio Lower Upper
 105 100
 120 55.3 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.127 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

Tgt Ion: 75 Resp: 182432
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.0 41.4 62.0#





#82

4-Chlorotoluene

Concen: 0.722 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.15 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

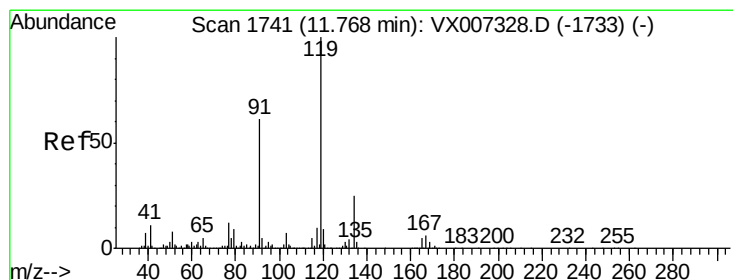
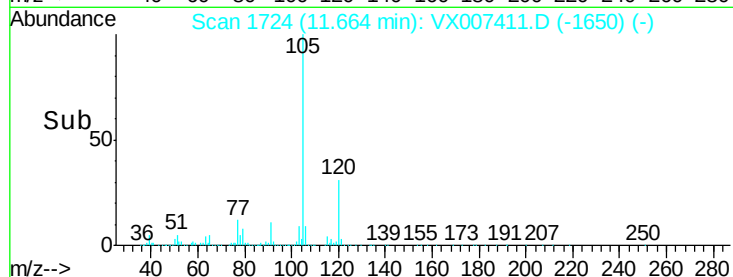
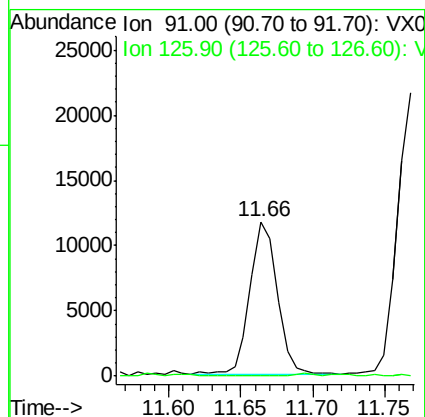
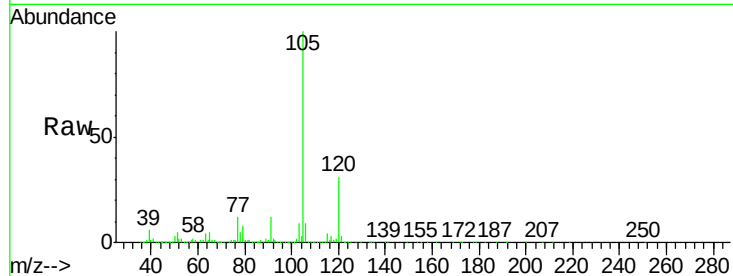
TW-1

Tot Ion: 91 Resp: 15694

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.5#



#83

tert-Butylbenzene

Concen: 1.871 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

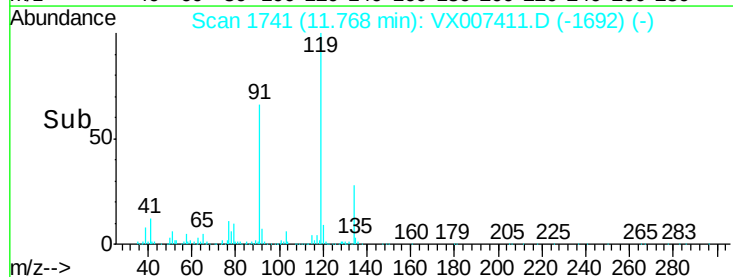
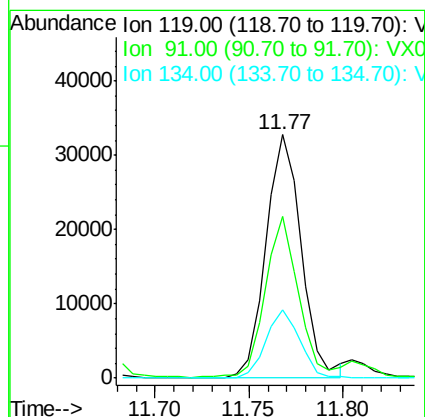
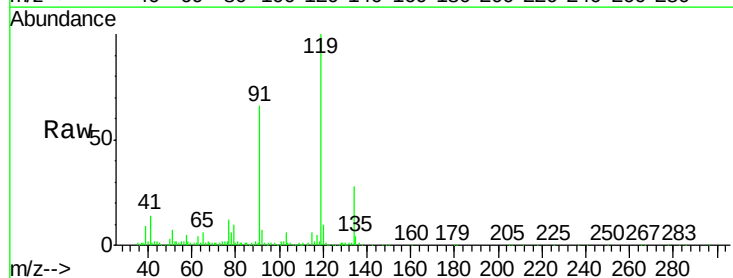
Tgt Ion: 119 Resp: 42768

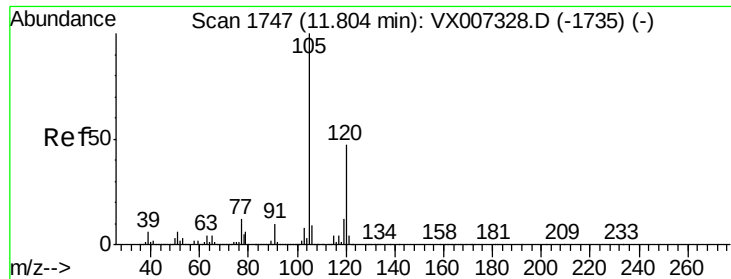
Ion Ratio Lower Upper

119 100

91 61.0 28.5 85.6

134 26.7 12.0 36.0

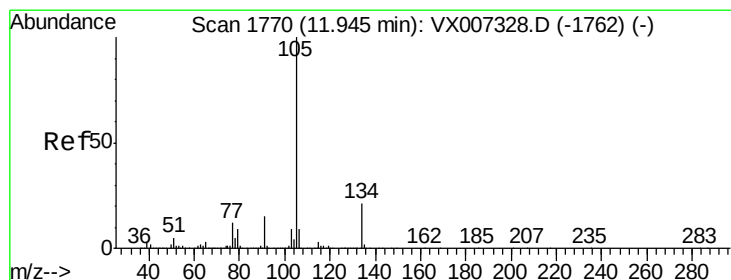
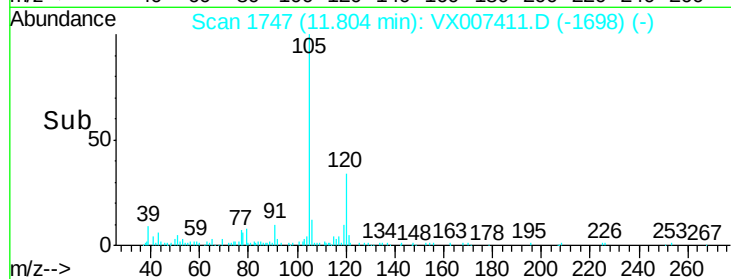
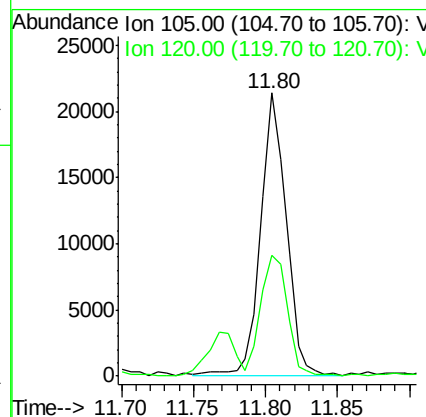
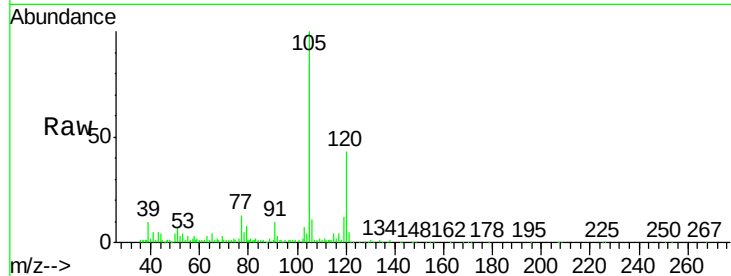




#84
 1,2,4-Trimethylbenzene
 Concen: 1.123 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

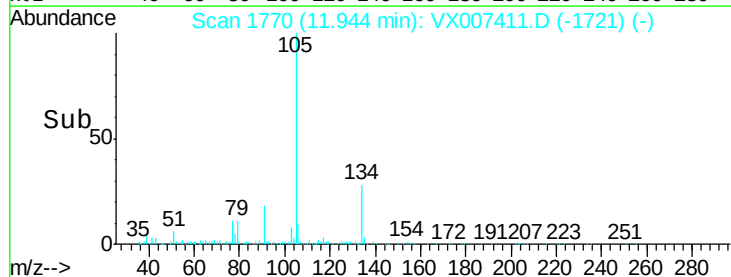
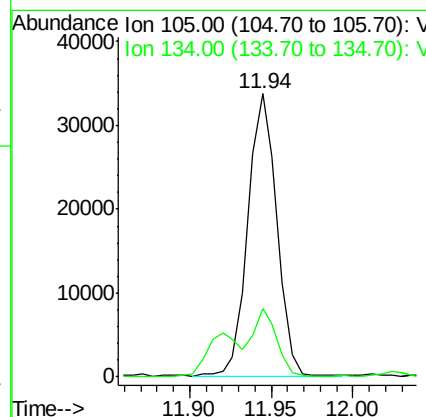
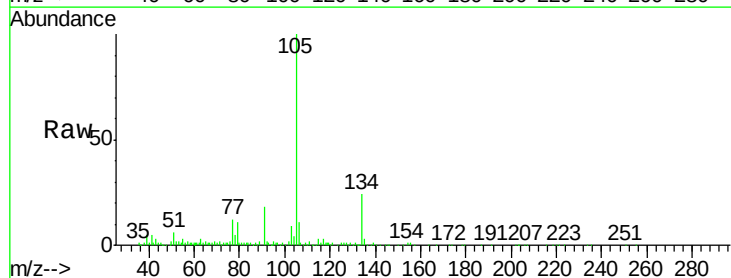
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

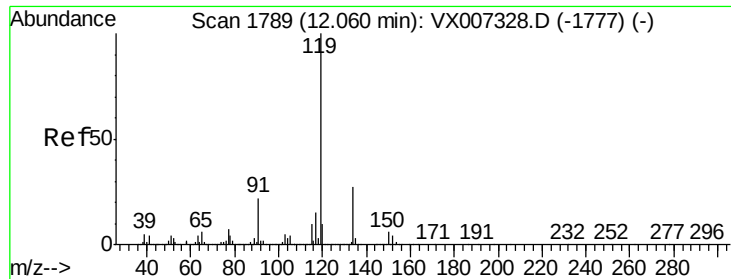
Tot Ion:105 Resp: 26335
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 1.506 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007411.D
 Acq: 06 Feb 2019 20:24

Tgt Ion:105 Resp: 41672
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.6 31.8





#86

p-Isopropyltoluene

Concen: 1.336 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

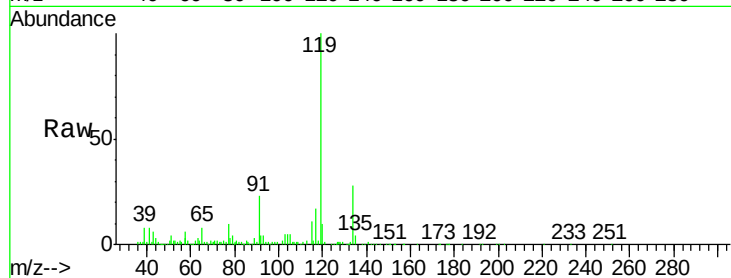
Tot Ion: 119 Resp: 33356

Ion Ratio Lower Upper

119 100

134 32.1 13.7 41.1

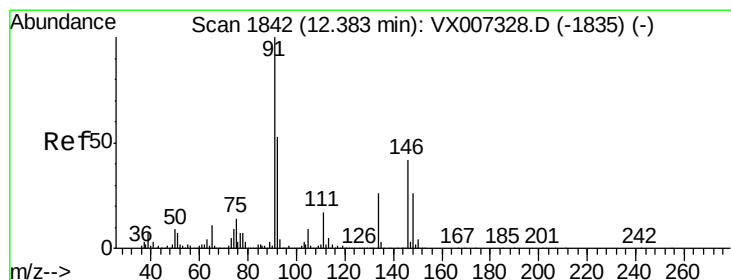
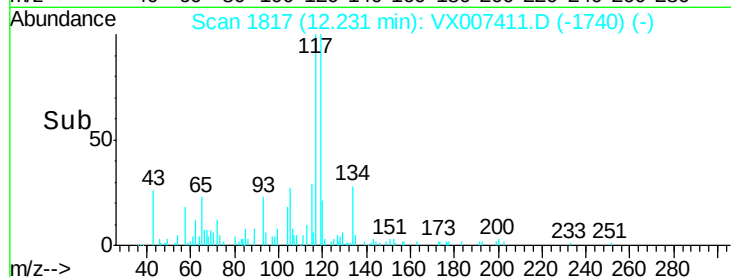
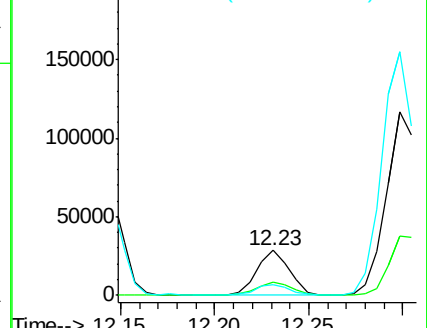
91 24.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 1.371 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

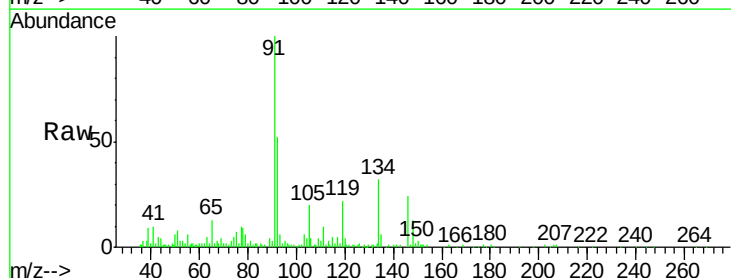
Tgt Ion: 91 Resp: 29447

Ion Ratio Lower Upper

91 100

92 39.7 26.3 78.9

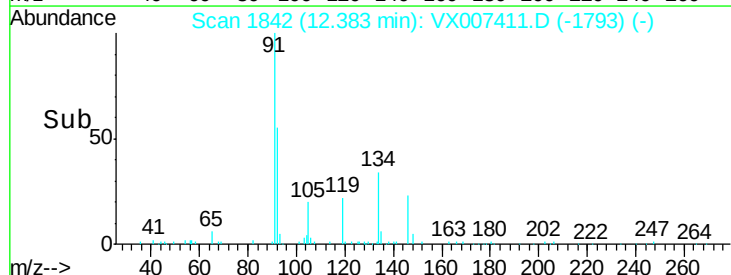
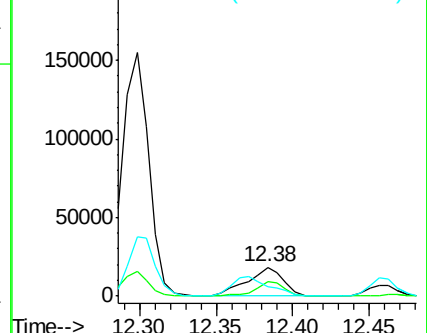
134 70.7 13.9 41.6#

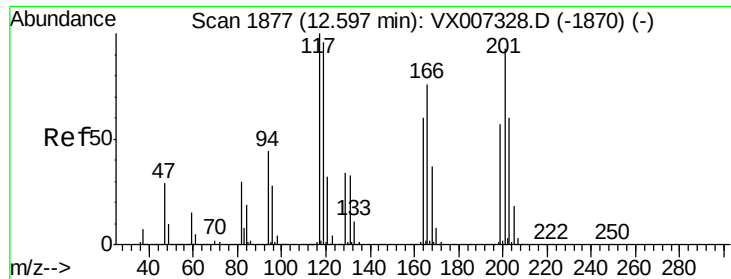


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 11.091 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

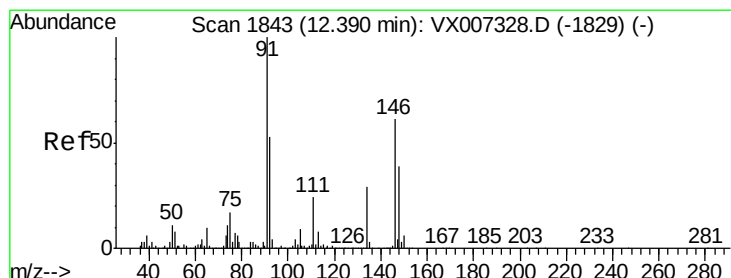
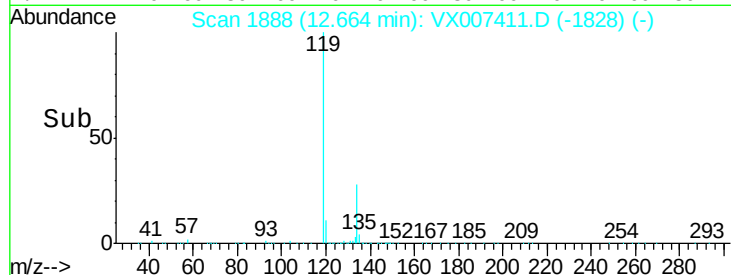
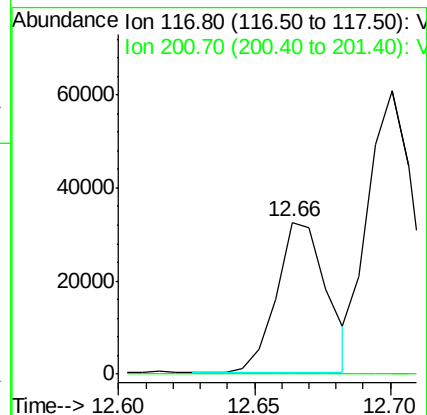
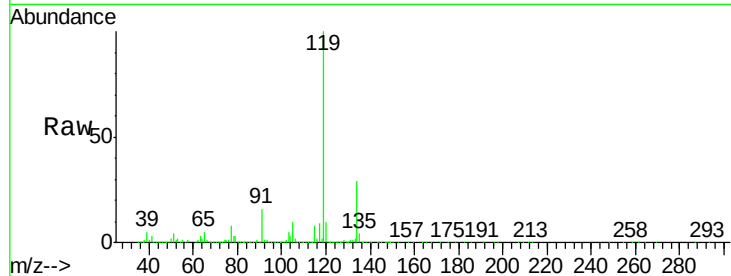
TW-1

Tot Ion:117 Resp: 41459

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#



#91

1,2-Dichlorobenzene

Concen: 0.592 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

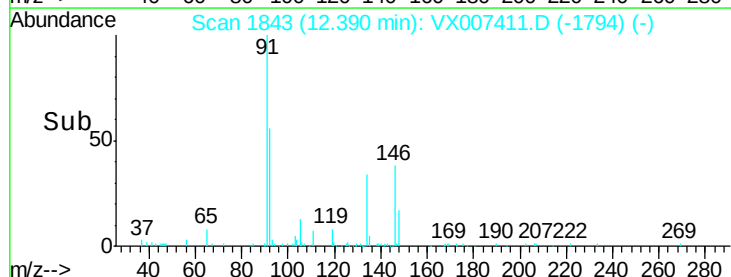
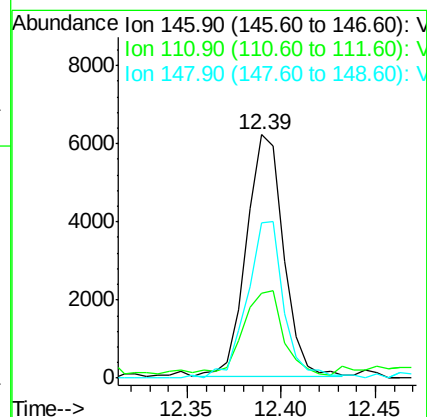
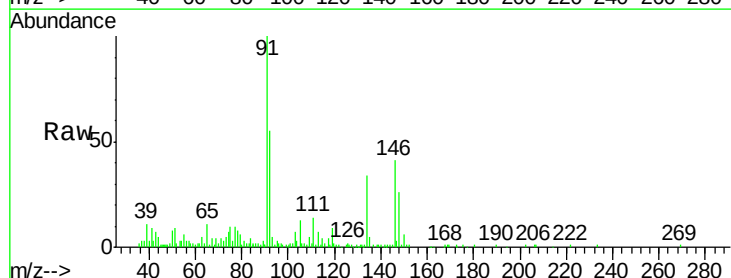
Tgt Ion:146 Resp: 8412

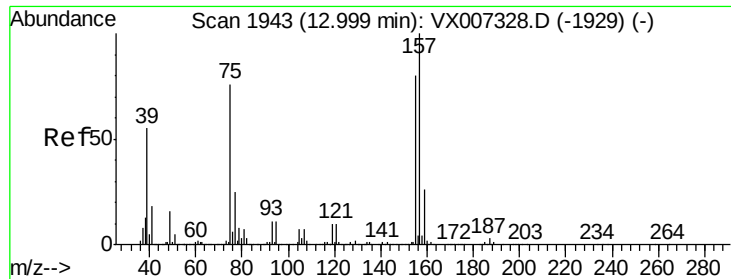
Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.3

148 64.3 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.041 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

TW-1

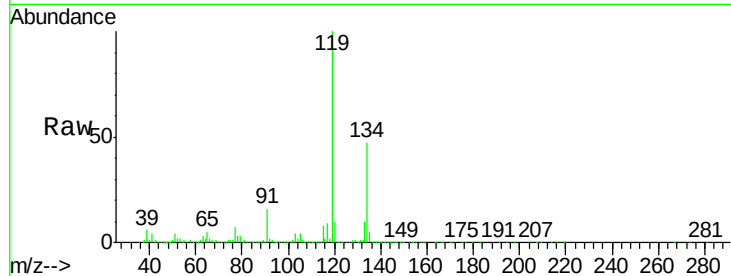
Tot Ion: 75 Resp: 3650

Ion Ratio Lower Upper

75 100

155 11.0 49.6 149.0#

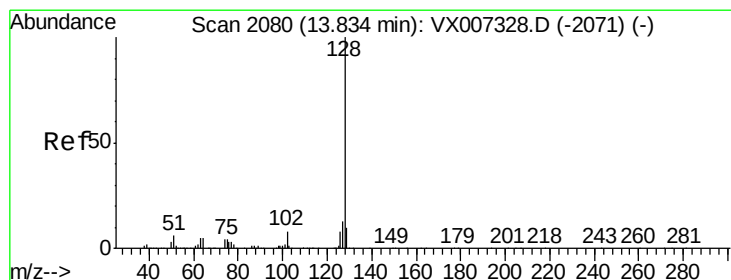
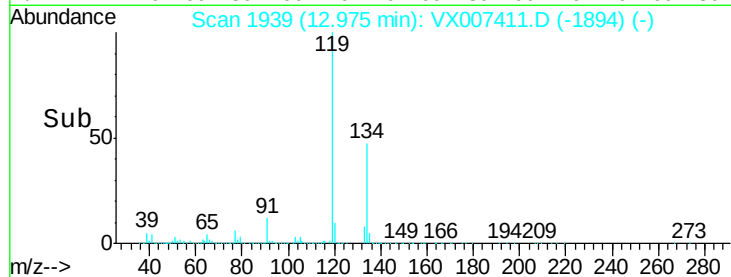
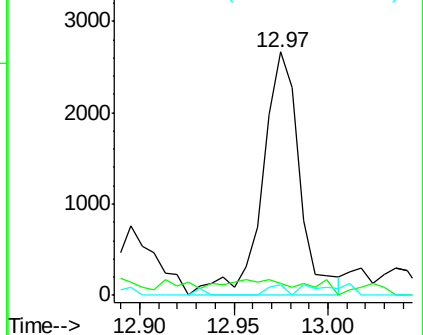
157 2.1 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.288 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

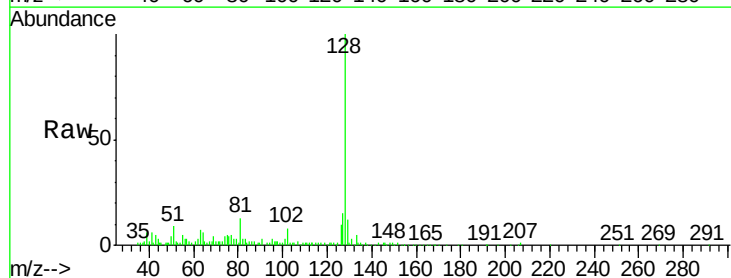
Tgt Ion: 128 Resp: 36074

Ion Ratio Lower Upper

128 100

127 16.1 10.5 15.7#

129 16.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

