

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010971.D
 Acq On : 18 Jul 2019 20:02
 Operator : JC/SP
 Sample : K3884-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:37:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	252654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	139187	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	5.50	113	123056	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	8.71	98	473416	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	180115	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28	0.557	ug/l # 43
3) Chloromethane	1.32	50	512	0.220	ug/l 90
5) Bromomethane	1.65	94	588	0.440	ug/l # 65
6) Chloroethane	1.79	64	835	0.554	ug/l # 50
11) Tert butyl alcohol	3.03	59	1798	2.872	ug/l # 73
13) Acrolein	2.34	56	143	0.395	ug/l 90
14) Allyl chloride	2.84	41	71661	21.922	ug/l # 64
15) Acrylonitrile	3.17	53	7389	5.842	ug/l # 42
16) Acetone	2.44	43	2453	2.021	ug/l 94
18) Methyl Acetate	2.85	43	174609	63.167	ug/l # 48
25) 2-Butanone	4.71	43	1335	0.766	ug/l # 81
26) 2,2-Dichloropropane	4.41	77	2812	0.855	ug/l # 50
31) Cyclohexane	5.58	56	265608	72.780	ug/l 97
36) 1,1-Dichloropropene	5.66	75	17378	5.384	ug/l # 49
38) Carbon Tetrachloride	5.66	117	24048	7.150	ug/l # 16
39) Methylcyclohexane	7.46	83	602605	143.965	ug/l 97
43) Isopropyl Acetate	6.46	43	8467	1.558	ug/l # 62
45) 1,2-Dichloropropane	7.46	63	6206	2.466	ug/l # 1
47) Bromodichloromethane	7.85	83	2597	0.811	ug/l # 1
48) Methyl methacrylate	7.73	41	31077	11.738	ug/l # 51
49) 1,4-Dioxane	7.49	88	57	0.770	ug/l # 28
51) 4-Methyl-2-Pentanone	8.66	43	16407	4.657	ug/l # 44
52) Toluene	8.78	92	1363	0.210	ug/l 98
55) 1,1,2-Trichloroethane	9.16	97	67476	25.230	ug/l # 18
56) Ethyl methacrylate	9.16	69	12947	3.310	ug/l # 1
59) 2-Hexanone	9.44	43	12307	4.504	ug/l # 30
67) Ethyl Benzene	10.25	91	311121	24.289	ug/l 99
68) m/p-Xylenes	10.36	106	921232	187.489	ug/l 98
69) o-Xylene	10.69	106	84598	17.642	ug/l 96
70) Styrene	10.69	104	4335	0.542	ug/l # 1
73) Isopropylbenzene	11.02	105	346166	27.212	ug/l 99
74) N-amyl acetate	10.91	43	3972	0.817	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	11.27	83	3247	0.780	ug/l # 53
76) 1,2,3-Trichloropropane	11.36	75	3269	0.962	ug/l # 1

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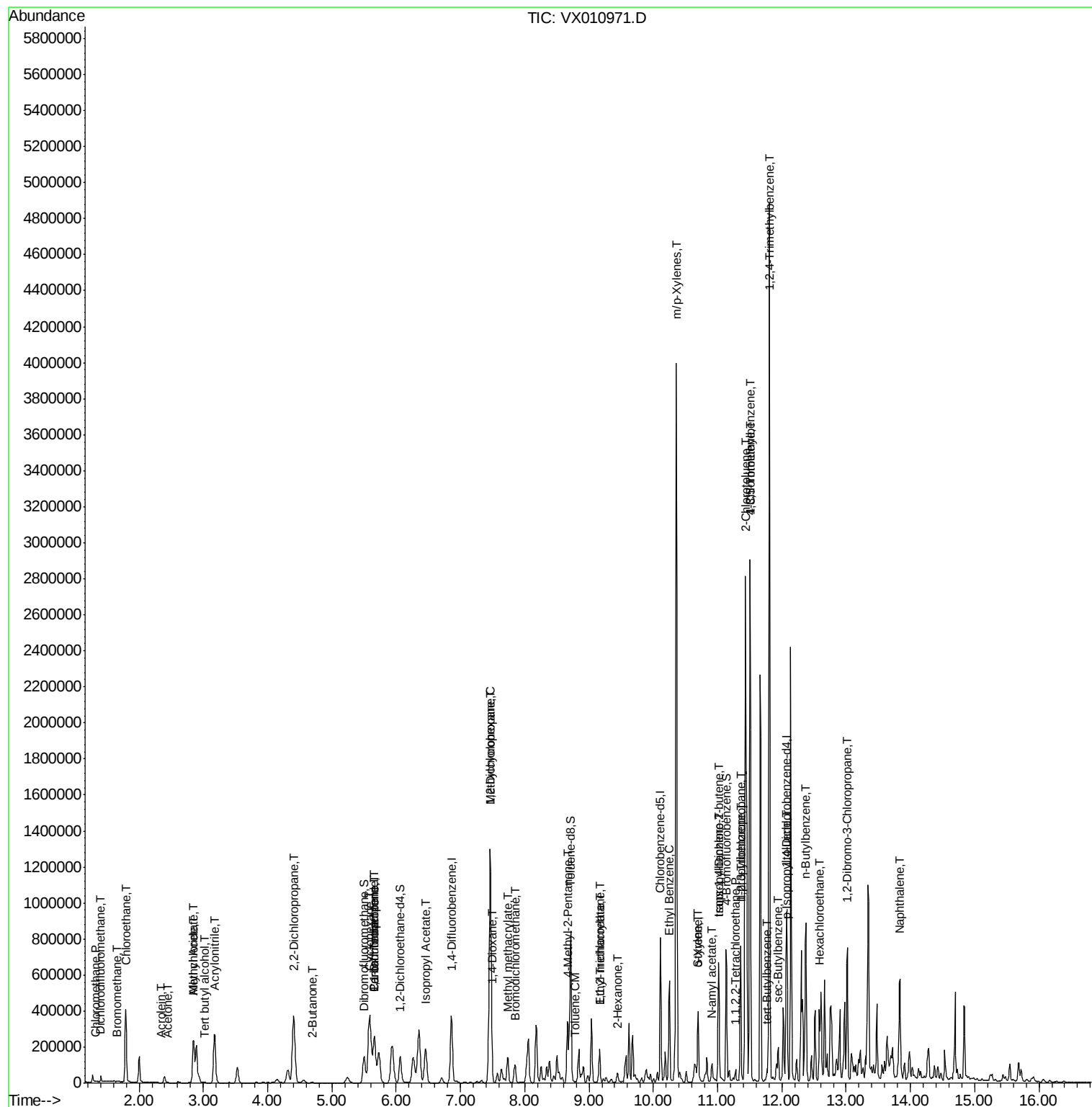
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	460697	32.777	ug/l	99
79) 2-Chlorotoluene	11.43	91	249688	29.572	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1223913	115.142	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.01	75	3969	6.704	ug/l #	63
82) 4-Chlorotoluene	11.51	91	131269	13.358	ug/l #	43
83) tert-Butylbenzene	11.77	119	18706	1.792	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	2119079	197.794	ug/l	100
85) sec-Butylbenzene	11.94	105	91618	7.489	ug/l	99
86) p-Isopropyltoluene	12.06	119	97089	8.584	ug/l	98
89) n-Butylbenzene	12.37	91	107349	11.094	ug/l #	11
90) Hexachloroethane	12.58	117	17174	9.627	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2492	2.864	ug/l #	1
95) Naphthalene	13.83	128	359087	29.732	ug/l	98

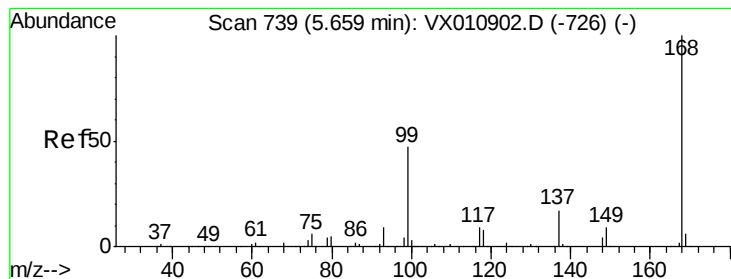
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

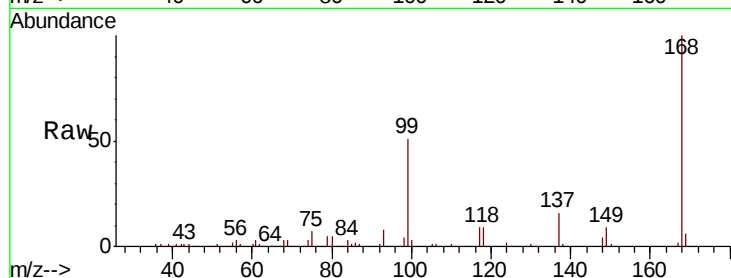
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 252654

Ion Ratio Lower Upper

168 100

99 51.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

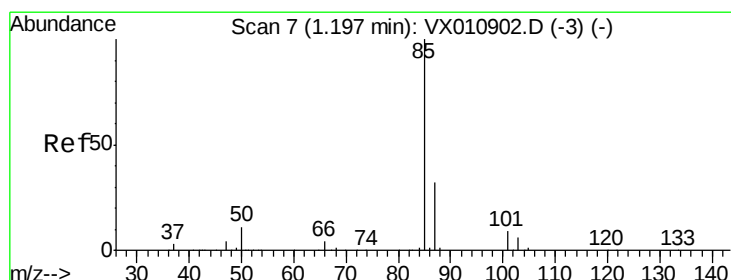
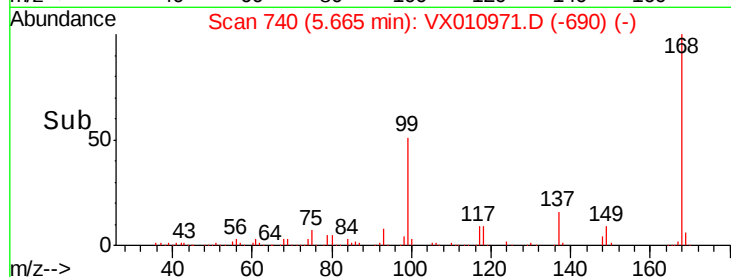
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

RT: 1.39 min Scan# 39

Delta R.T. 0.20 min

Lab File: VX010971.D

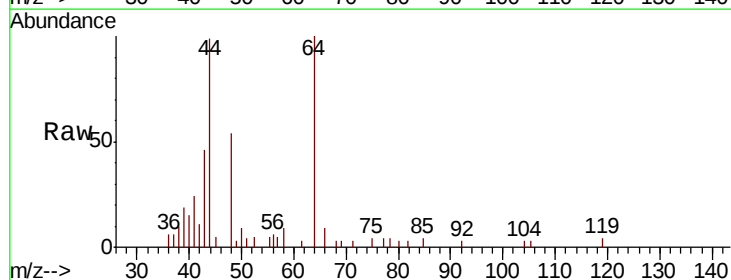
Acq: 18 Jul 2019 20:02

Tgt Ion: 85 Resp: 28

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.39

80

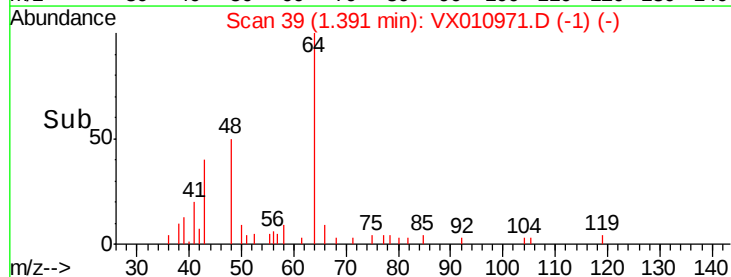
60

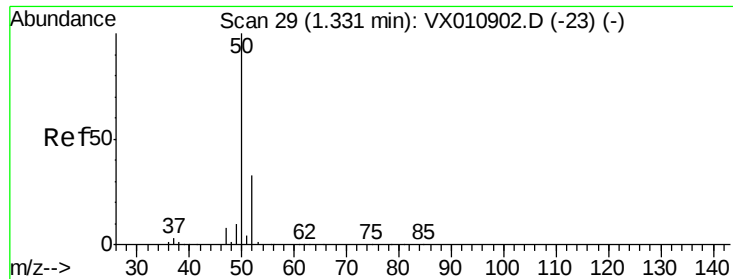
40

20

0

Time--> 1.37 1.38 1.39 1.40 1.41





#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

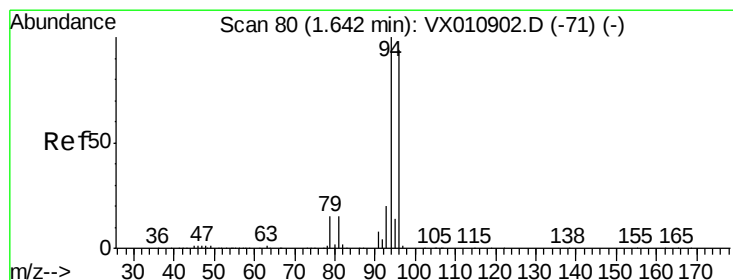
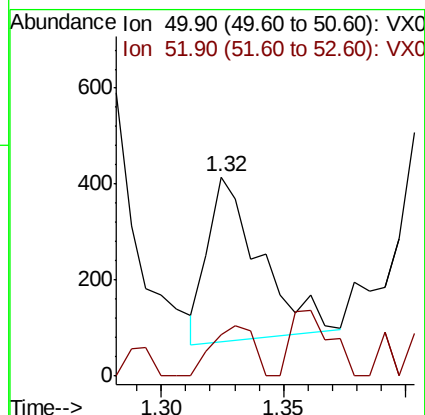
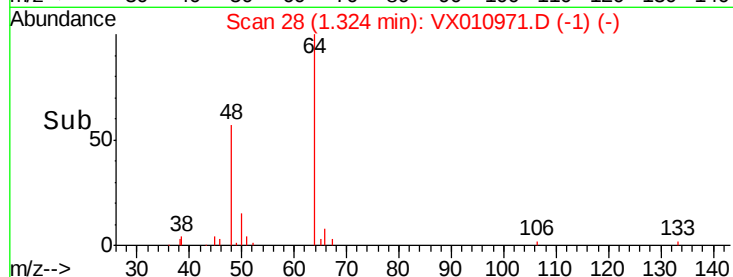
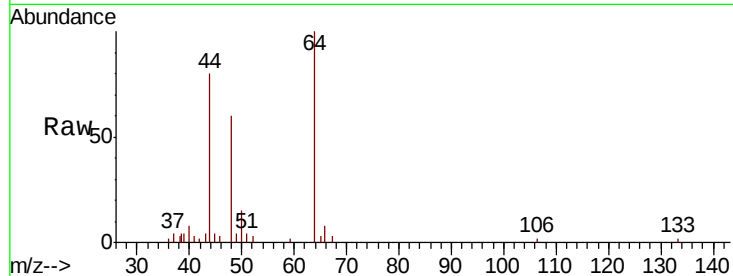
ClientSampleId :

Tot Ion: 50 Resp: 512

Ion Ratio Lower Upper

50 100

52 27.6 26.4 39.6



#5

Bromomethane

Concen: 0.440 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010971.D

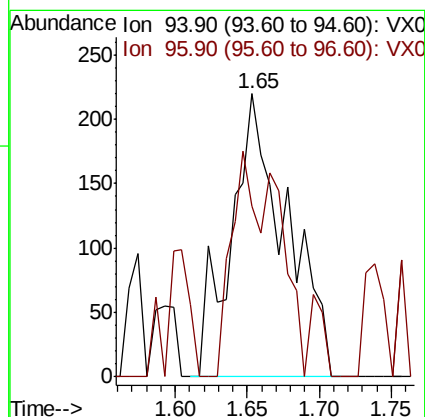
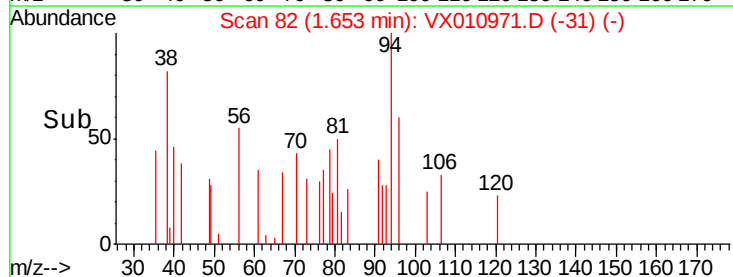
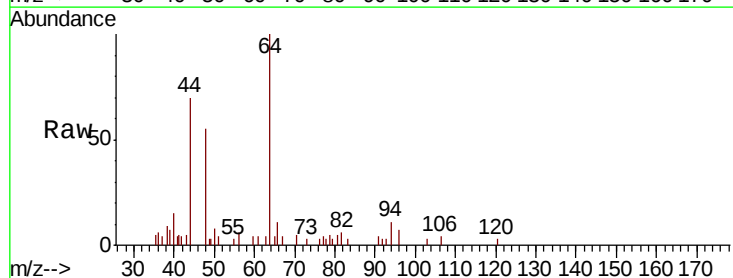
Acq: 18 Jul 2019 20:02

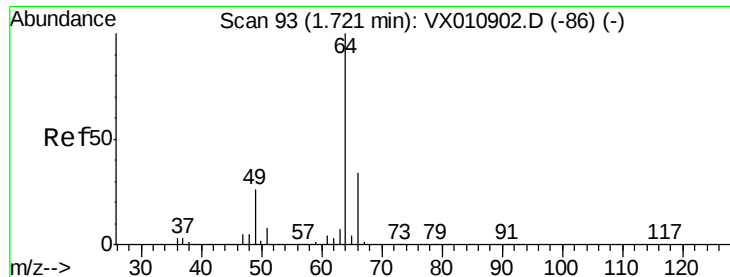
Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

94 100

96 60.5 75.6 113.4#





#6

Chloroethane

Concen: 0.554 ug/l

RT: 1.79 min Scan# 105

Delta R.T. 0.07 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

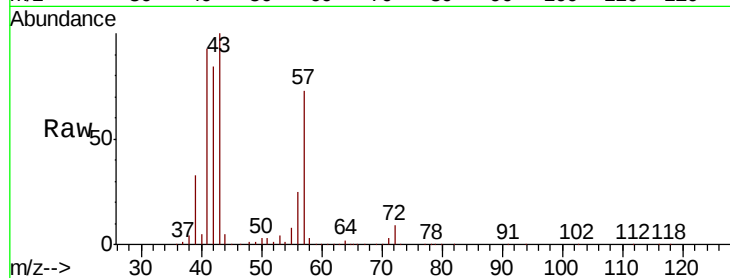
ClientSampled :

Tot Ion: 64 Resp: 835

Ion Ratio Lower Upper

64 100

66 5.4 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

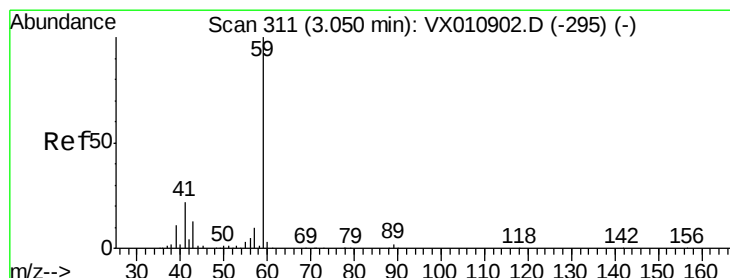
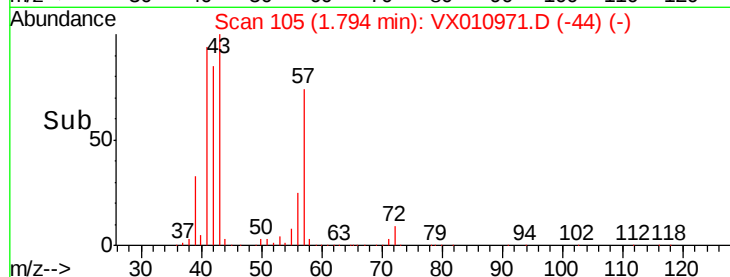
1500

1000

500

0

Time--> 1.76 1.78 1.80 1.82 1.84



#11

Tert butyl alcohol

Concen: 2.872 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010971.D

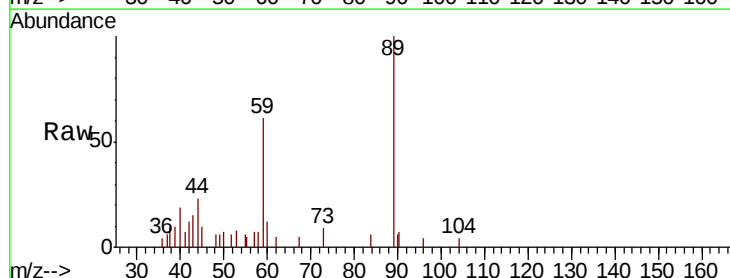
Acq: 18 Jul 2019 20:02

Tgt Ion: 59 Resp: 1798

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

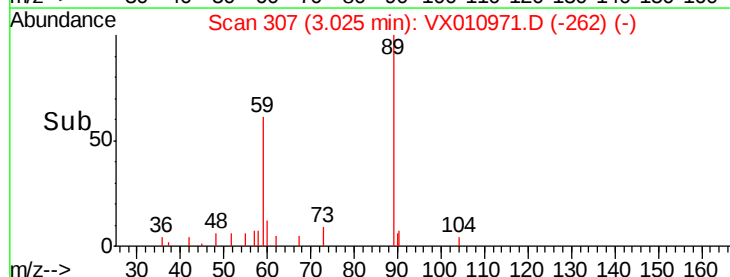
6000

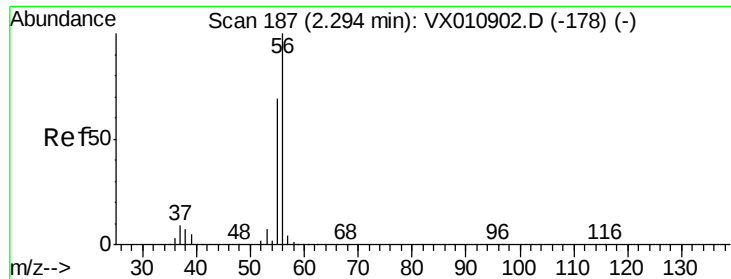
4000

2000

0

Time--> 2.90 2.95 3.00 3.05 3.10

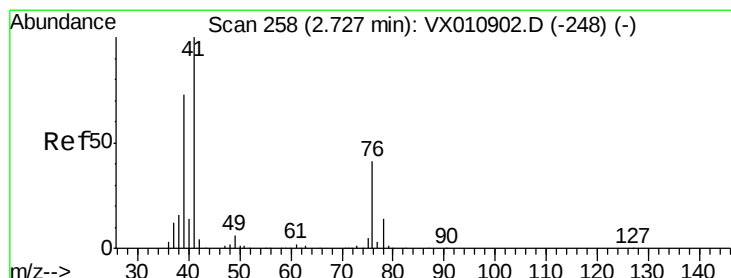
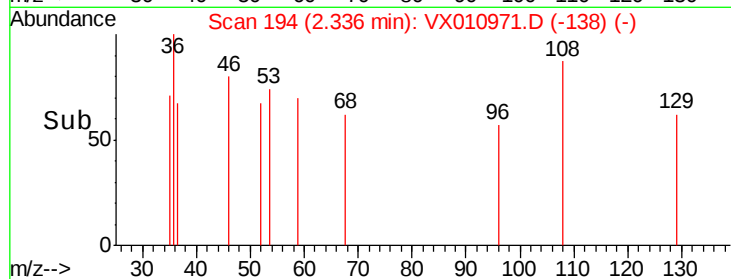
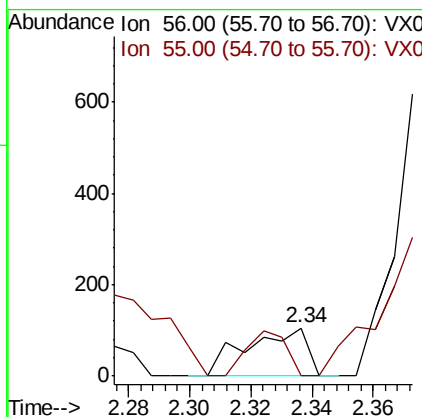
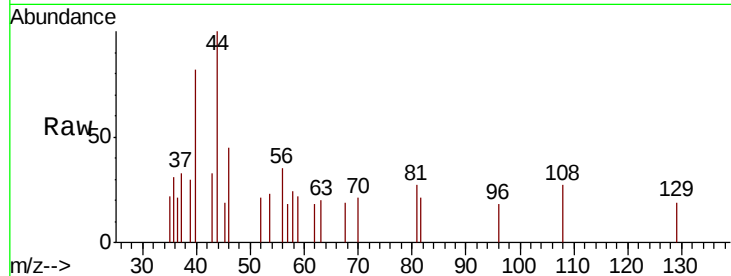




#13
Acrolein
Concen: 0.395 ug/l
RT: 2.34 min Scan# 194
Delta R.T. 0.04 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

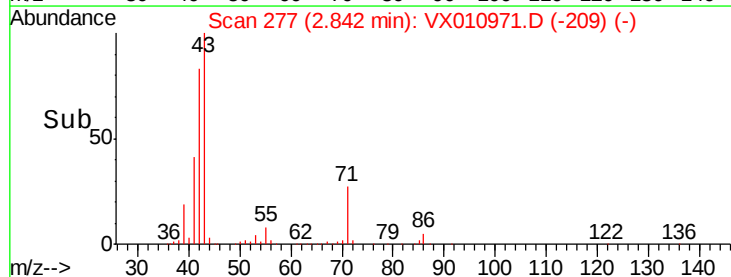
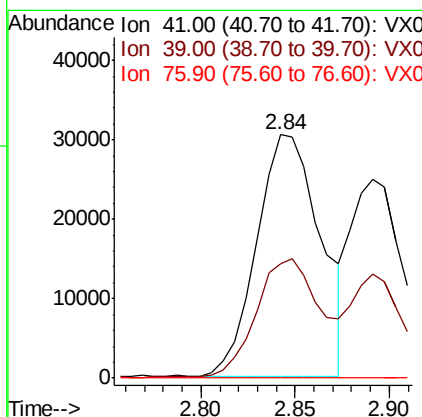
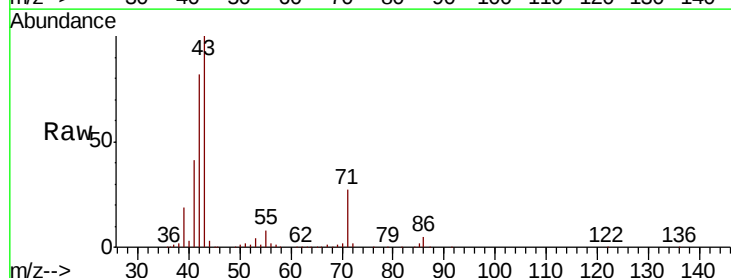
Instrument :
MSVOA_X
ClientSampled :

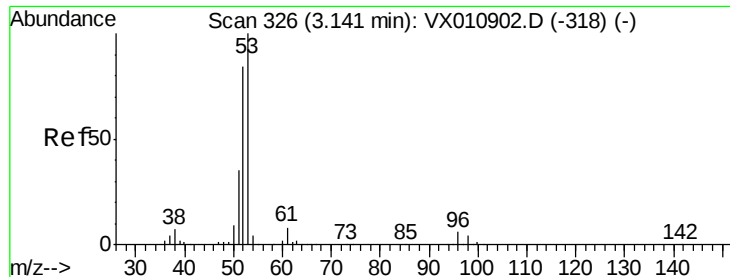
Tot Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 61.5 55.9 83.9



#14
Allyl chloride
Concen: 21.922 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.12 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 41 Resp: 71661
Ion Ratio Lower Upper
41 100
39 49.3 53.6 80.4#
76 0.3 29.7 44.5#





#15

Acrylonitrile

Concen: 5.842 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

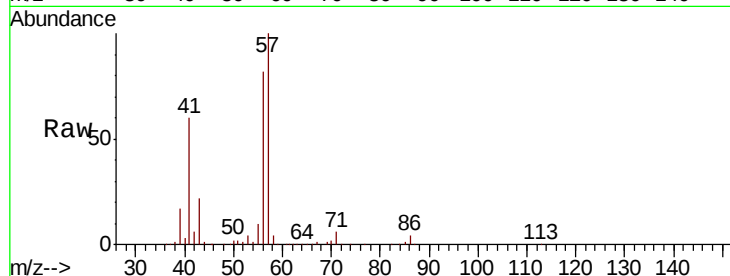
Tot Ion: 53 Resp: 7389

Ion Ratio Lower Upper

53 100

52 22.8 66.5 99.7#

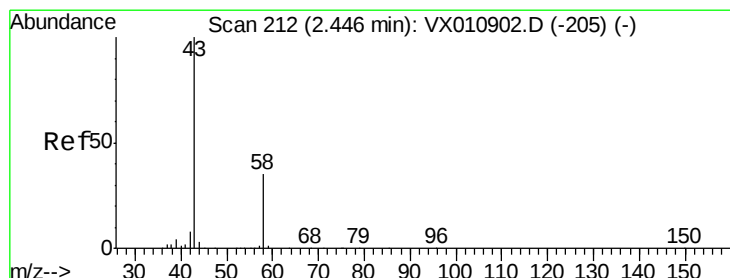
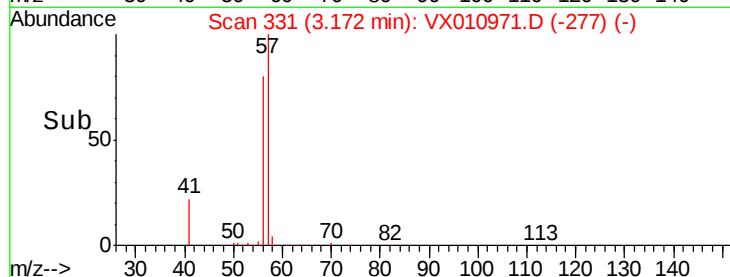
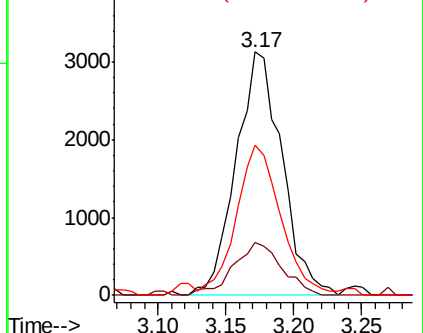
51 56.1 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.021 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010971.D

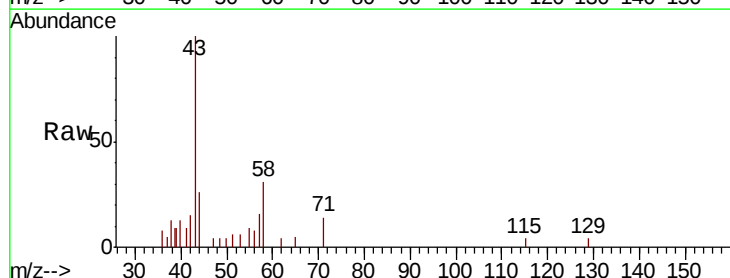
Acq: 18 Jul 2019 20:02

Tgt Ion: 43 Resp: 2453

Ion Ratio Lower Upper

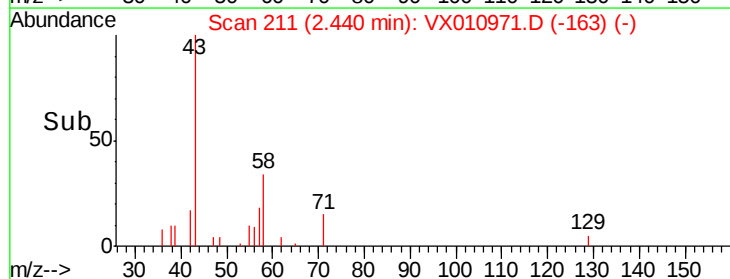
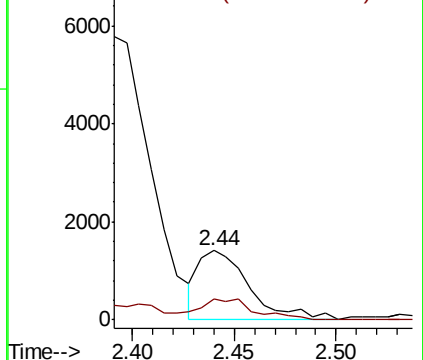
43 100

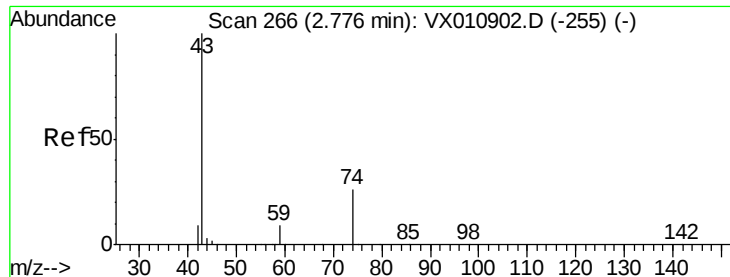
58 31.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

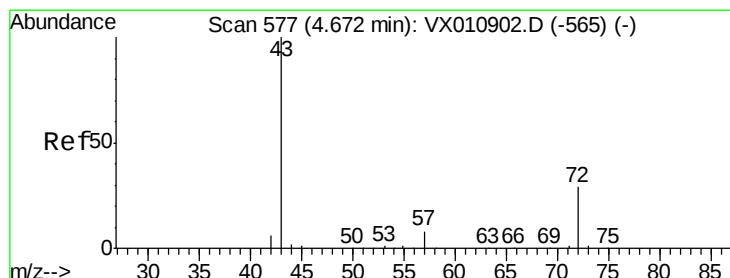
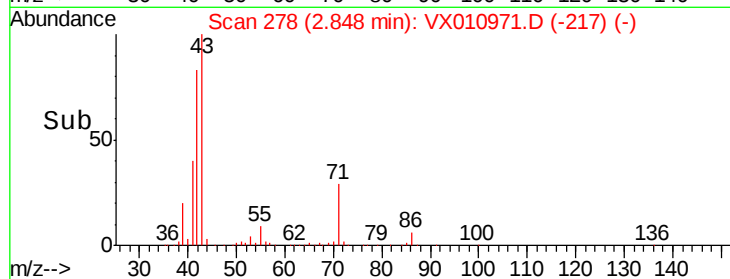
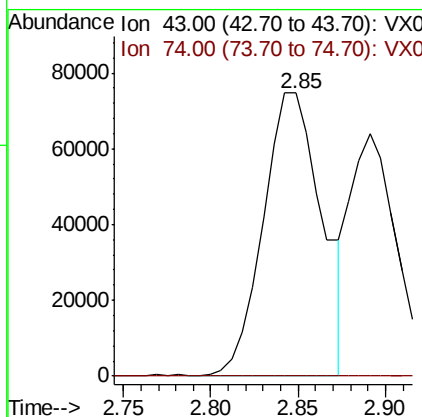
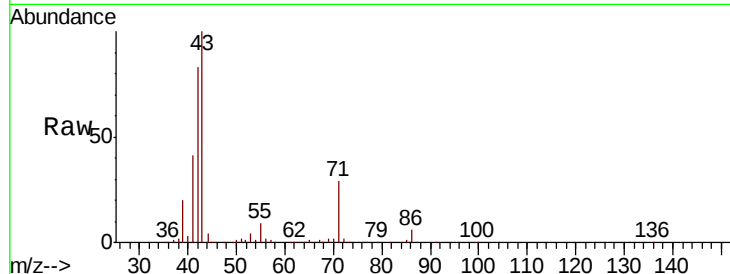




#18
Methvl Acetate
Concen: 63.167 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

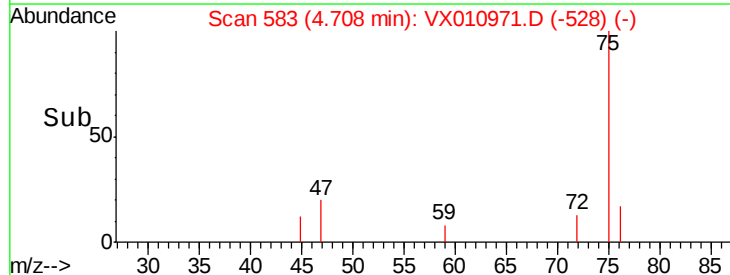
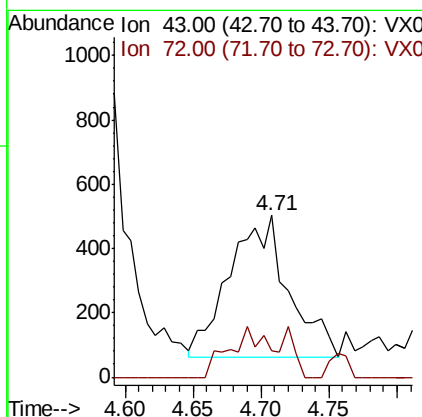
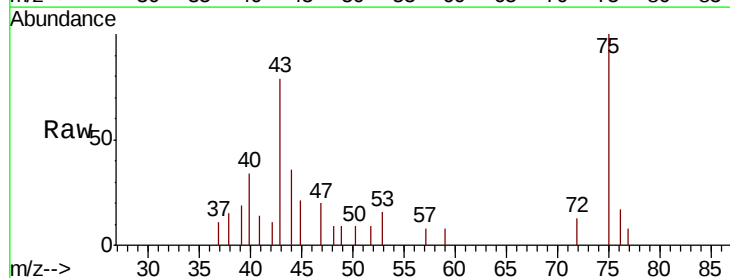
Instrument :
MSVOA_X
ClientSampleId :

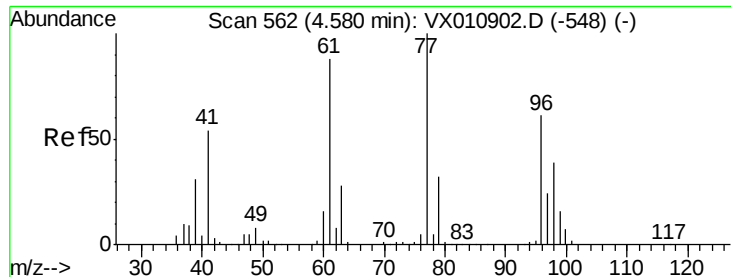
Tot Ion: 43 Resp: 174609
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#25
2-Butanone
Concen: 0.766 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
72 18.6 23.0 34.6#





#26

2,2-Dichloropropane

Concen: 0.855 ug/l

RT: 4.41 min Scan# 534

Delta R.T. -0.17 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

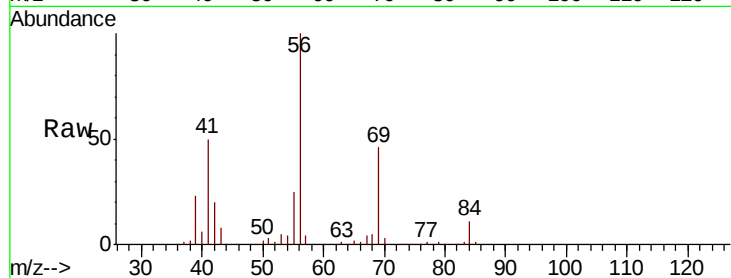
ClientSampled :

Tot Ion: 77 Resp: 2812

Ion Ratio Lower Upper

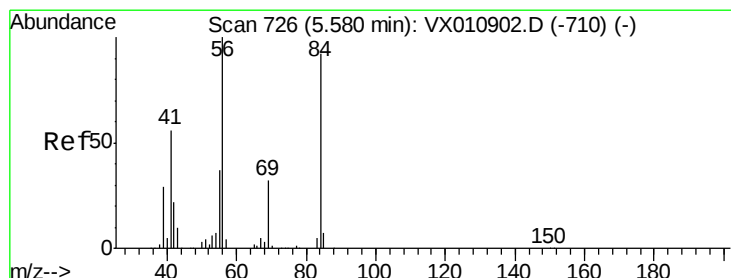
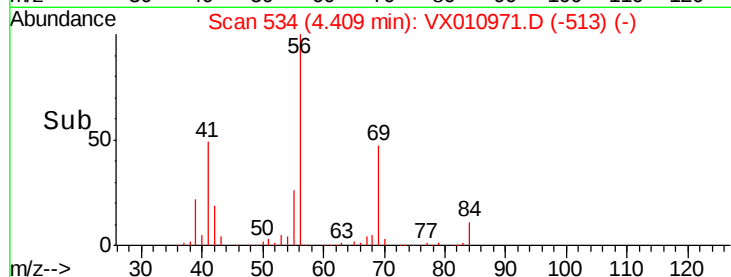
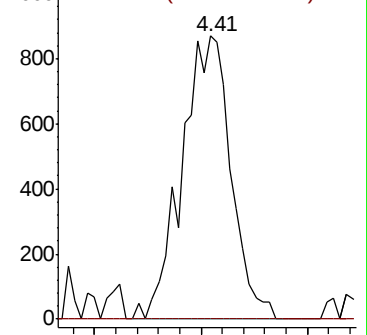
77 100

97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 72.780 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

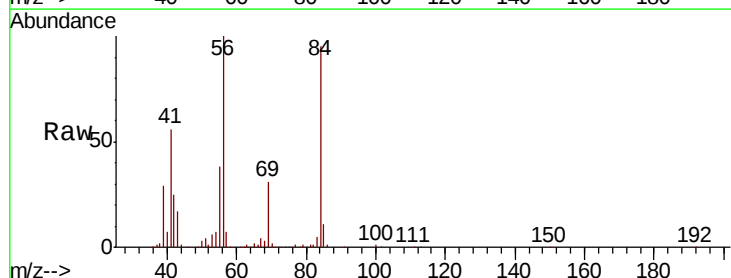
Tgt Ion: 56 Resp: 265608

Ion Ratio Lower Upper

56 100

69 30.7 25.8 38.8

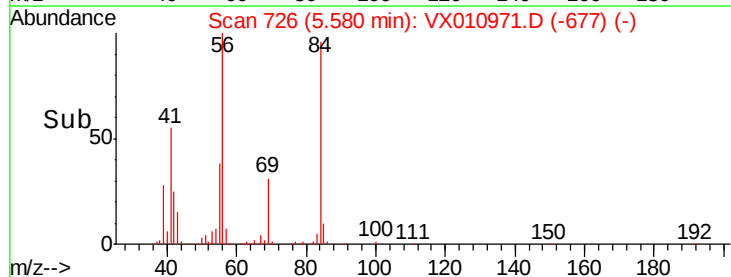
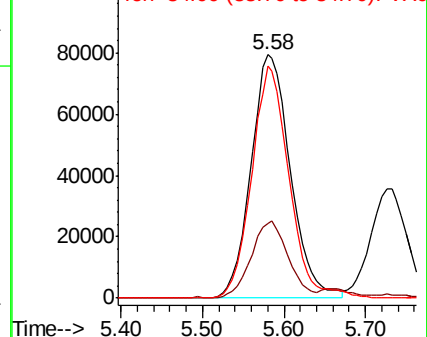
84 95.6 73.8 110.6

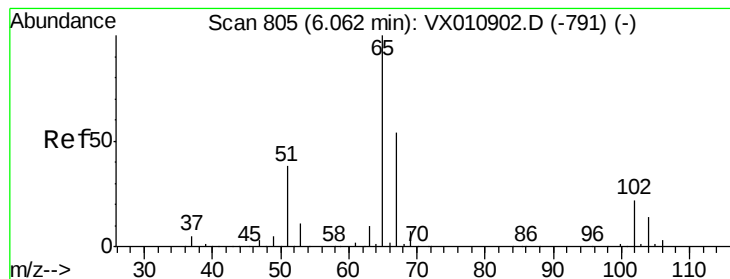


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.784 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

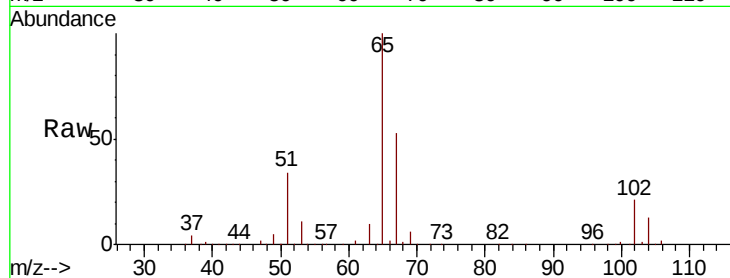
ClientSampleId :

Tot Ion: 65 Resp: 139187

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

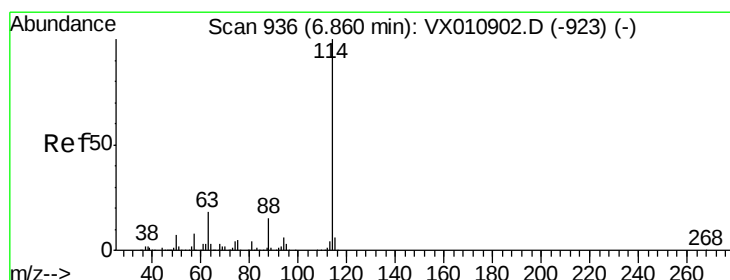
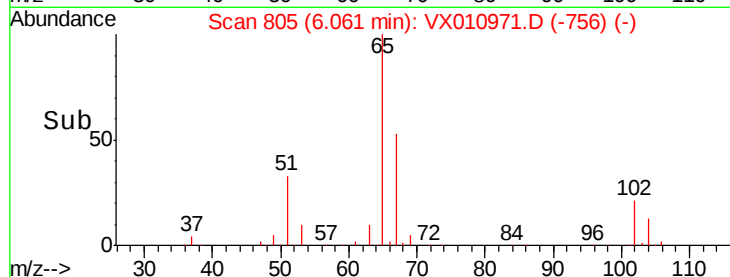
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

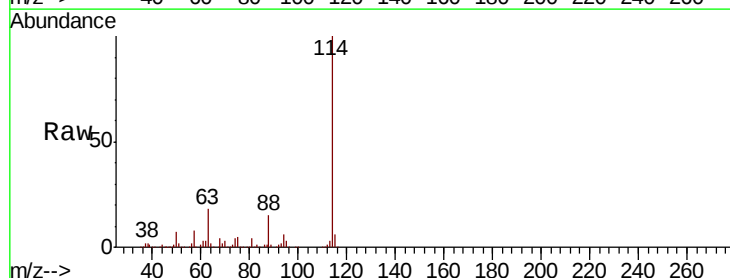
Tgt Ion: 114 Resp: 392954

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

88 14.8 0.0 29.8



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

6.86

200000

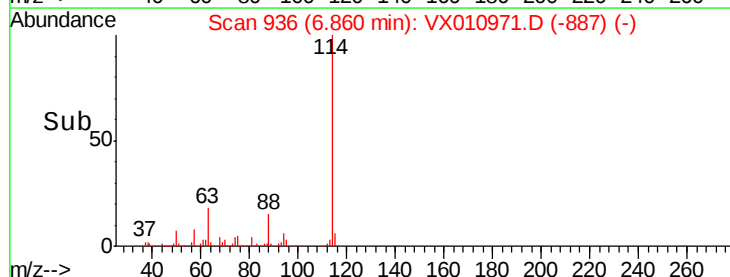
150000

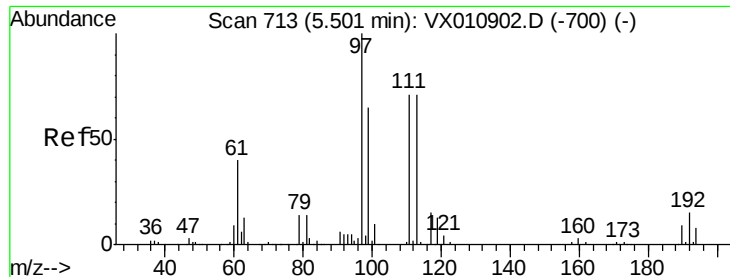
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.338 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

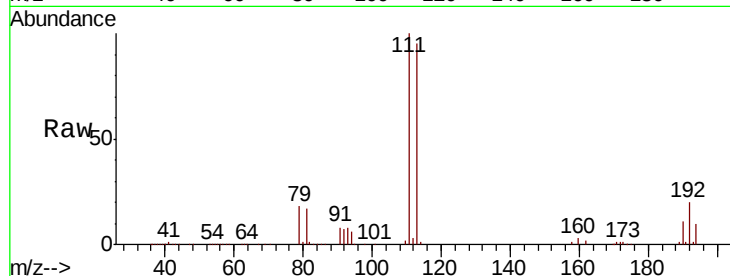
Tot Ion:113 Resp: 123056

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

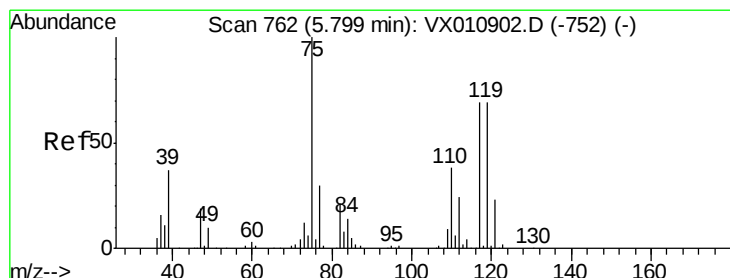
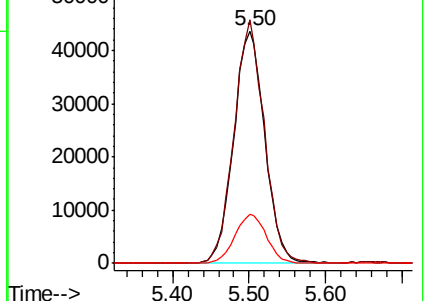
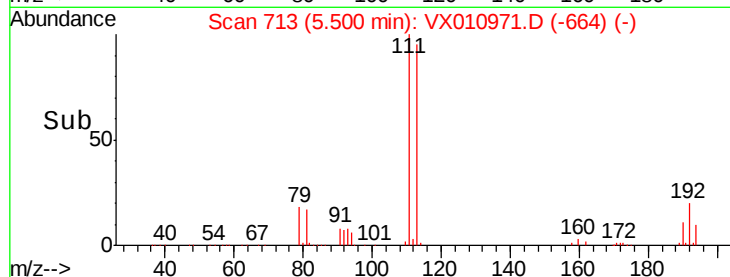
192 21.5 17.4 26.2



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: 5.384 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

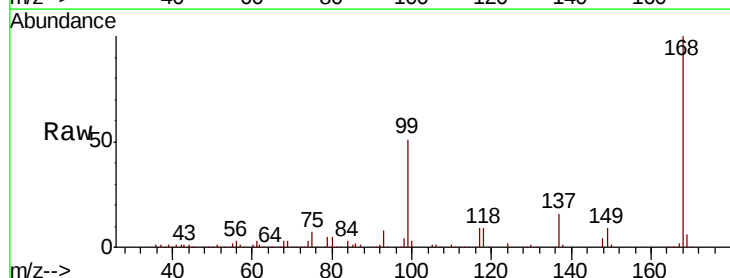
Tgt Ion: 75 Resp: 17378

Ion Ratio Lower Upper

75 100

110 10.9 19.9 59.7#

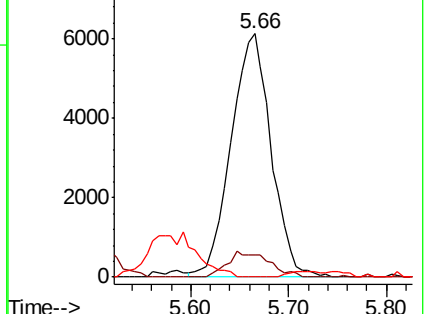
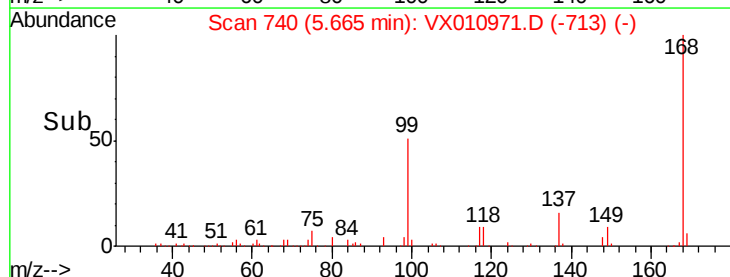
77 0.0 25.0 37.4#

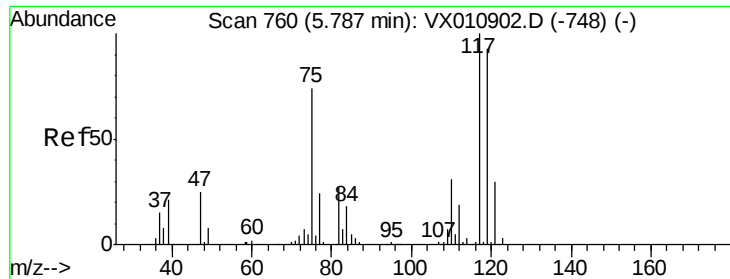


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

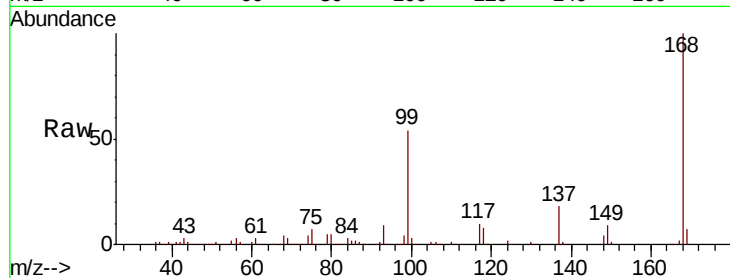




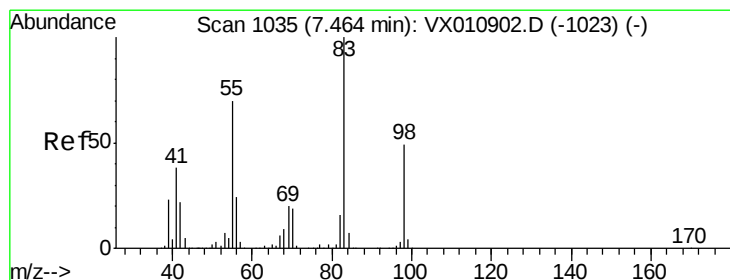
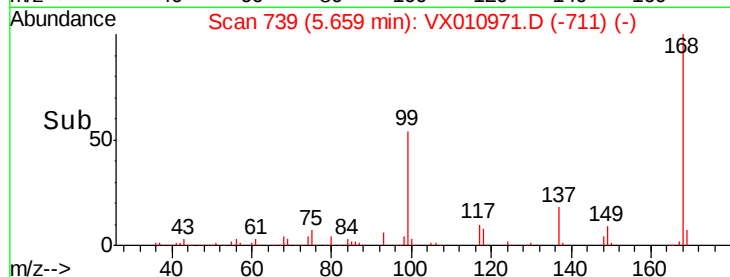
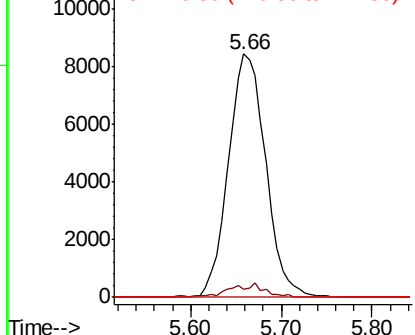
#38
Carbon Tetrachloride
Concen: 7.150 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 24048
Ion Ratio Lower Upper
117 100
119 3.4 74.2 111.2#
121 0.0 24.2 36.2#

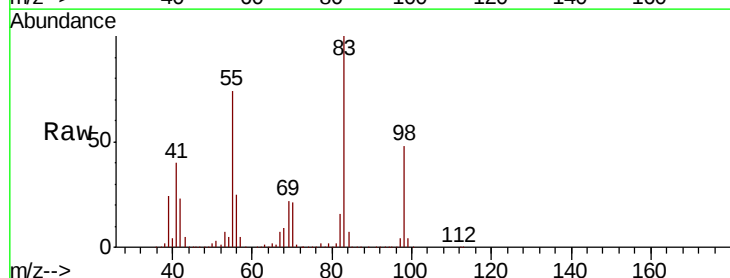


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

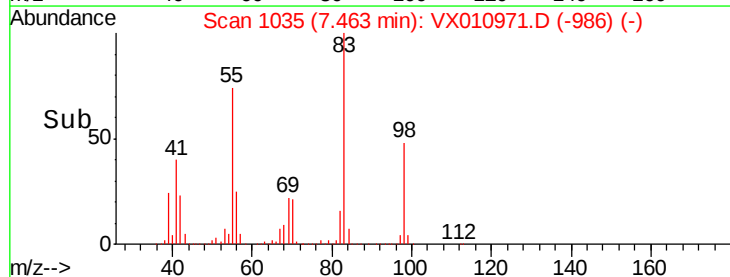
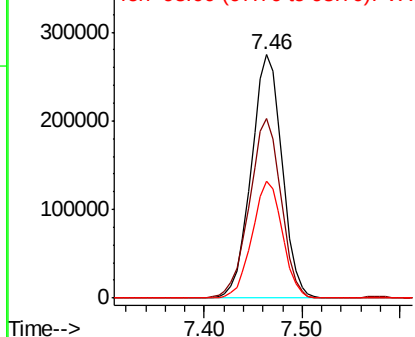


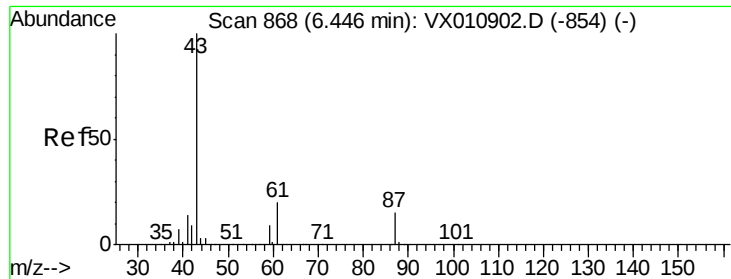
#39
Methylcyclohexane
Concen: 143.965 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 83 Resp: 602605
Ion Ratio Lower Upper
83 100
55 73.9 56.2 84.4
98 48.0 39.0 58.4



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





#43

Isopropyl Acetate

Concen: 1.558 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

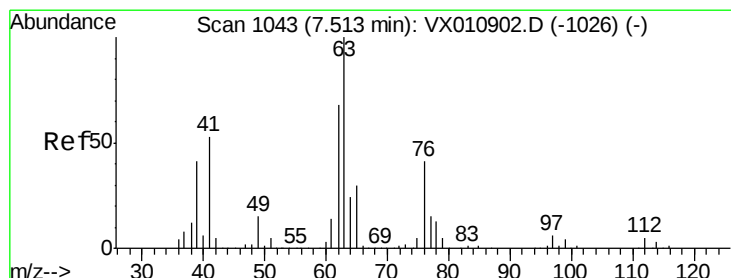
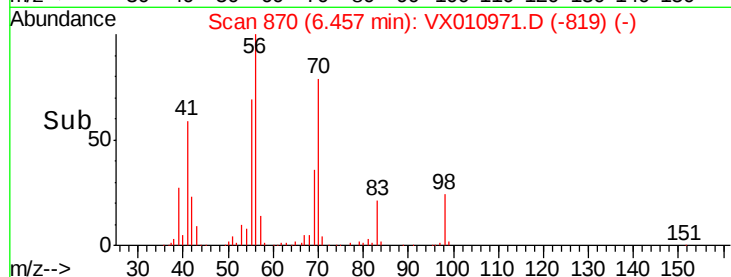
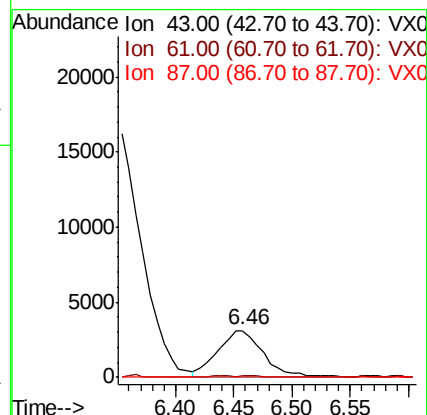
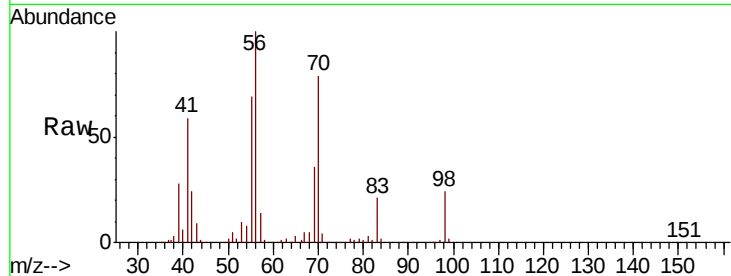
Tot Ion: 43 Resp: 8467

Ion Ratio Lower Upper

43 100

61 2.7 17.1 25.7#

87 0.0 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 2.466 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010971.D

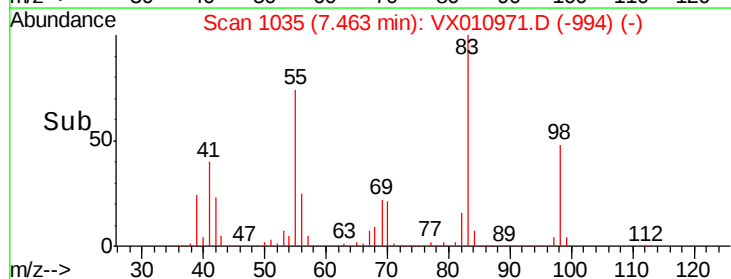
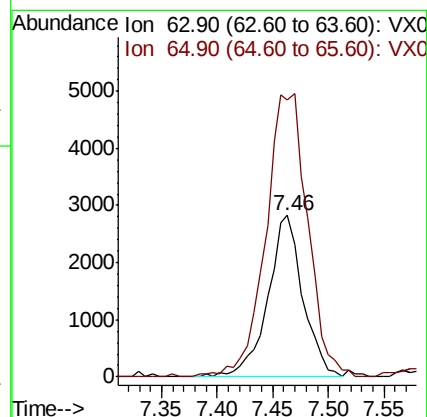
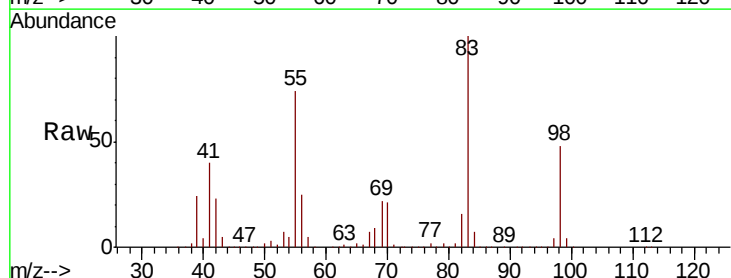
Acq: 18 Jul 2019 20:02

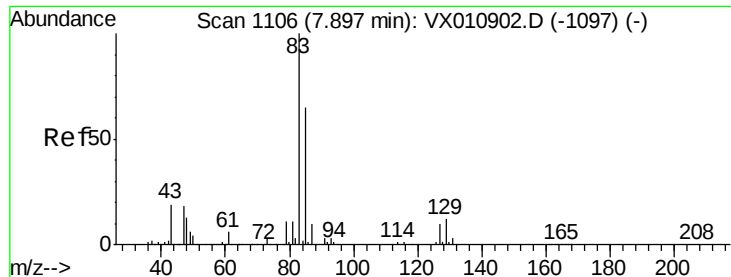
Tgt Ion: 63 Resp: 6206

Ion Ratio Lower Upper

63 100

65 171.5 24.4 36.6#





#47

Bromodichloromethane

Concen: 0.811 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. -0.04 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

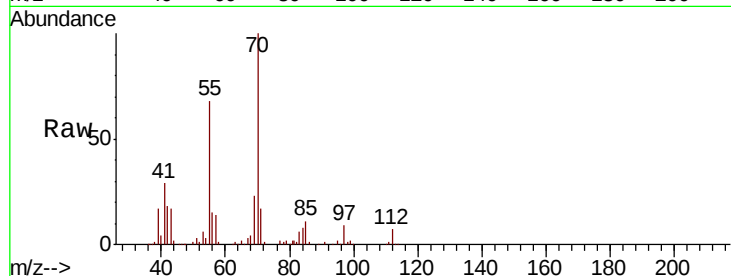
Tot Ion: 83 Resp: 2597

Ion Ratio Lower Upper

83 100

85 166.4 52.5 78.7#

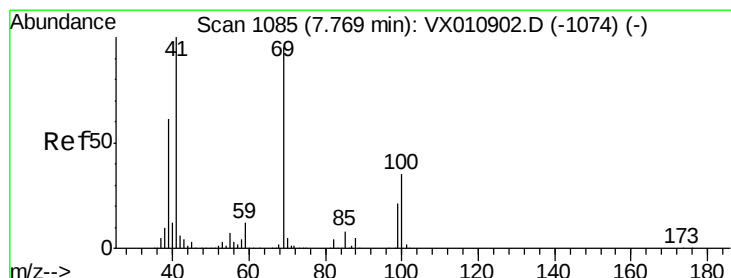
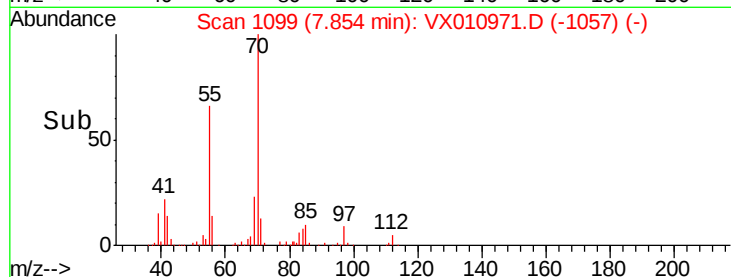
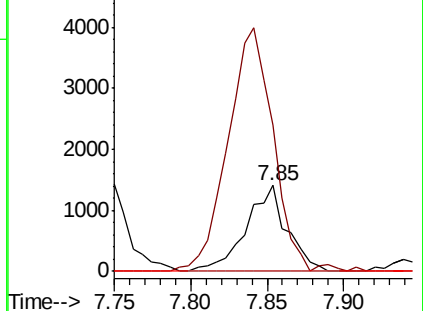
127 0.0 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 11.738 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

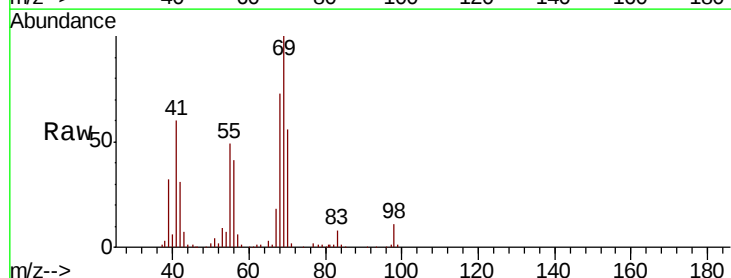
Tgt Ion: 41 Resp: 31077

Ion Ratio Lower Upper

41 100

69 164.4 74.4 111.6#

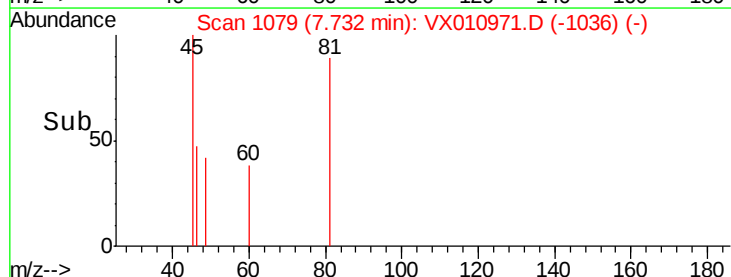
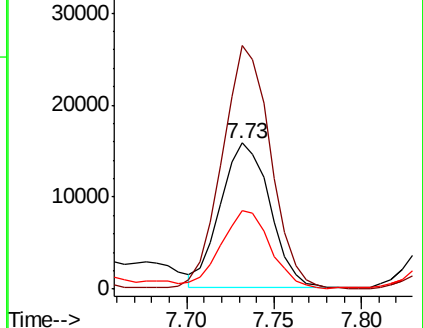
39 53.3 48.9 73.3

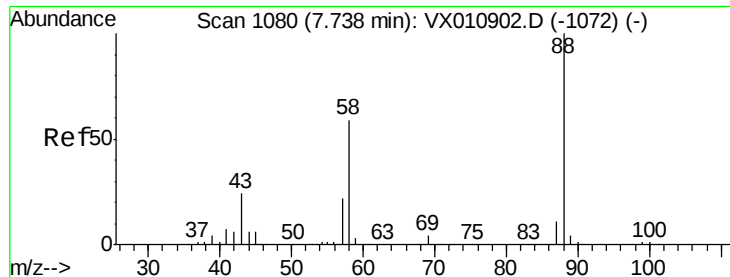


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.770 ug/l

RT: 7.49 min Scan# 1040

Delta R.T. -0.24 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

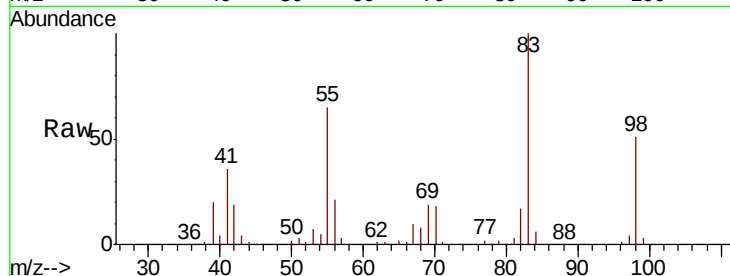
Tot Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

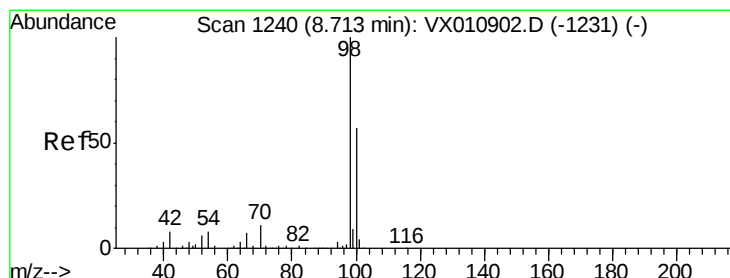
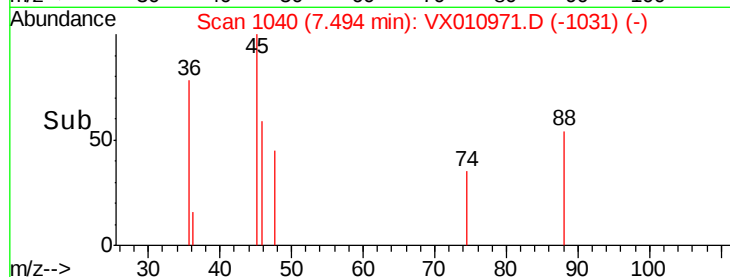
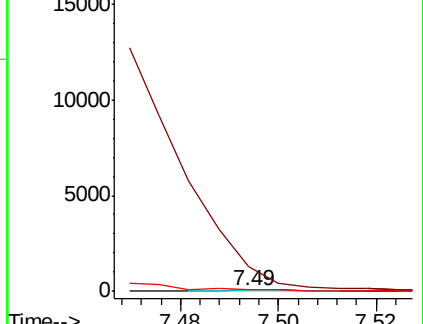
58 0.0 49.8 74.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.607 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010971.D

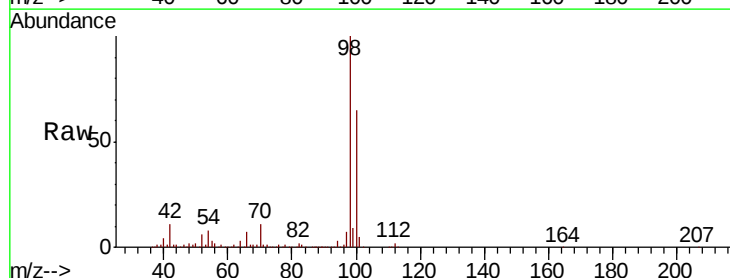
Acq: 18 Jul 2019 20:02

Tgt Ion: 98 Resp: 473416

Ion Ratio Lower Upper

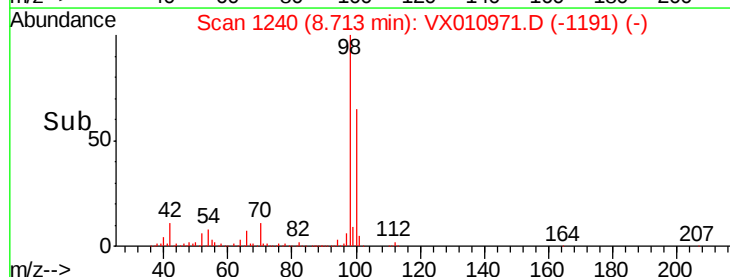
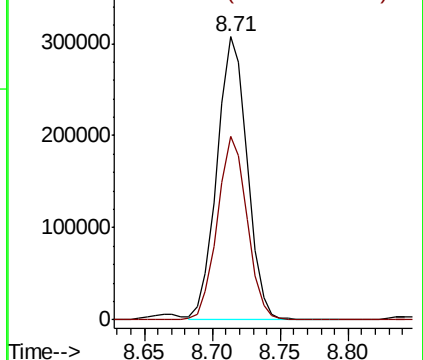
98 100

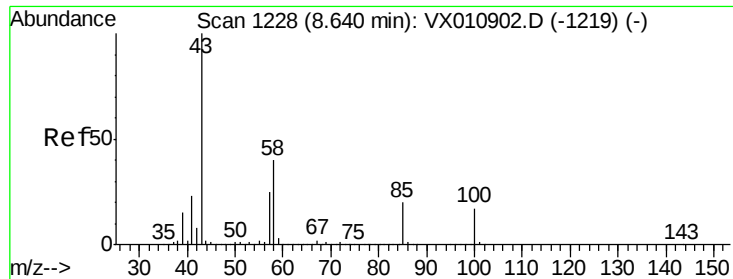
100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

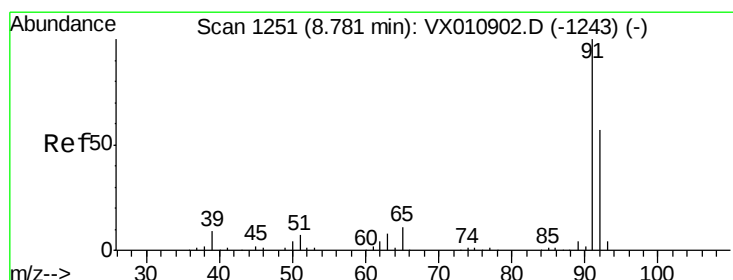
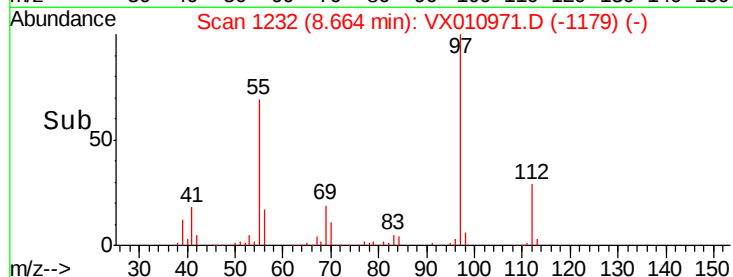
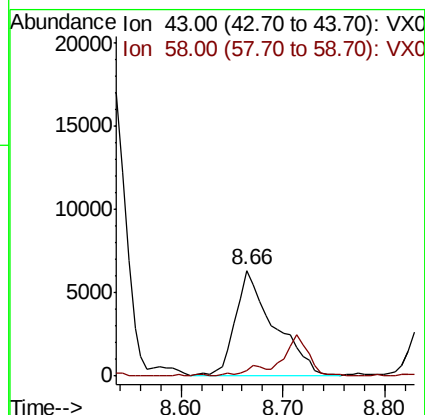
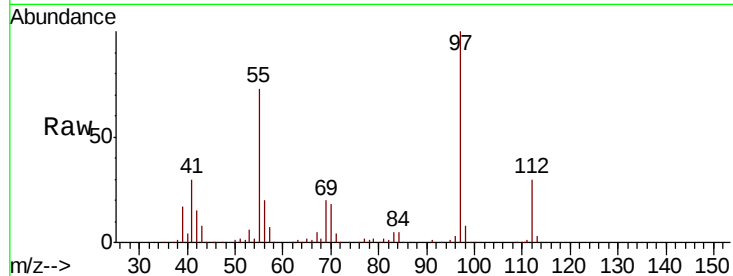




#51
4-Methyl-2-Pentanone
Concen: 4.657 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

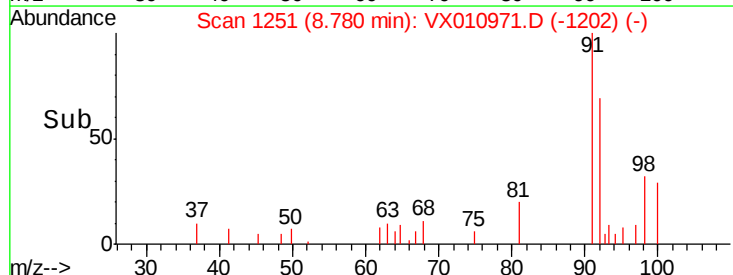
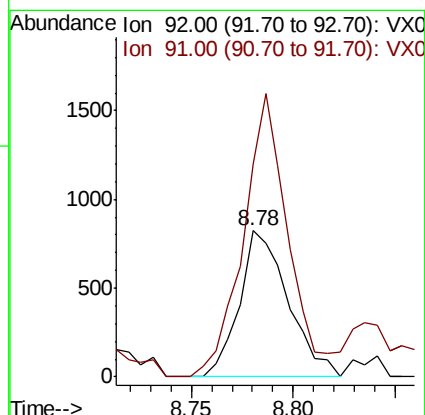
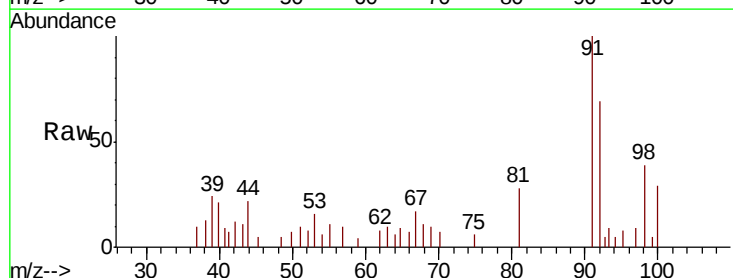
Instrument :
MSVOA_X
ClientSampled :

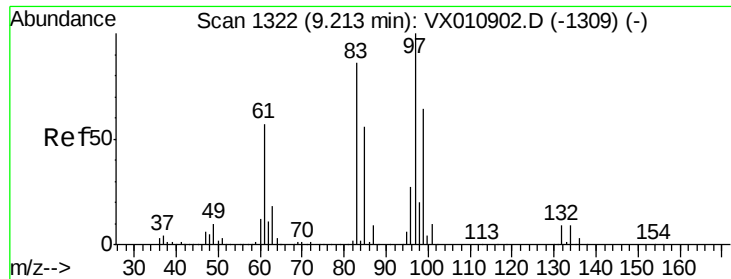
Tot Ion: 43 Resp: 16407
Ion Ratio Lower Upper
43 100
58 5.8 32.2 48.4#



#52
Toluene
Concen: 0.210 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 92 Resp: 1363
Ion Ratio Lower Upper
92 100
91 176.6 139.4 209.0

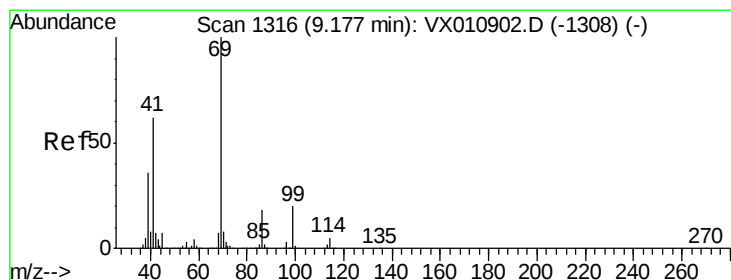
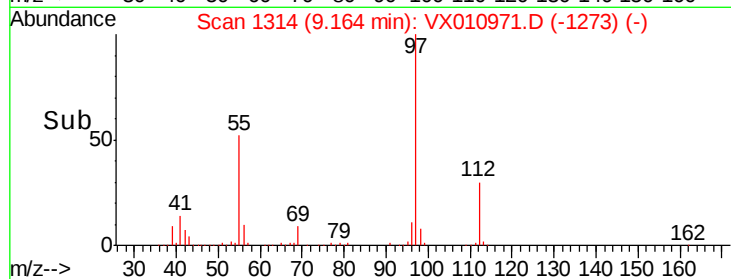
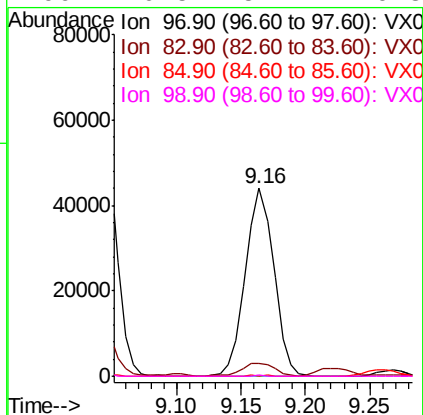
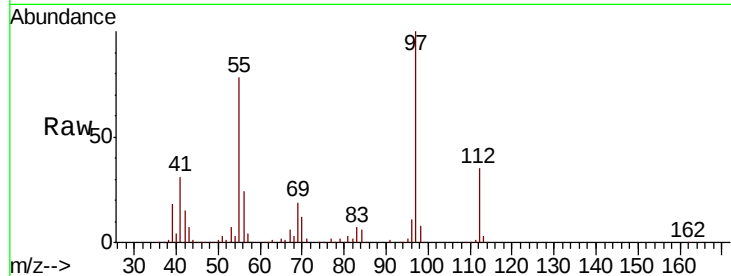




#55
 1,1,2-Trichloroethane
 Concen: 25.230 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010971.D
 Acq: 18 Jul 2019 20:02

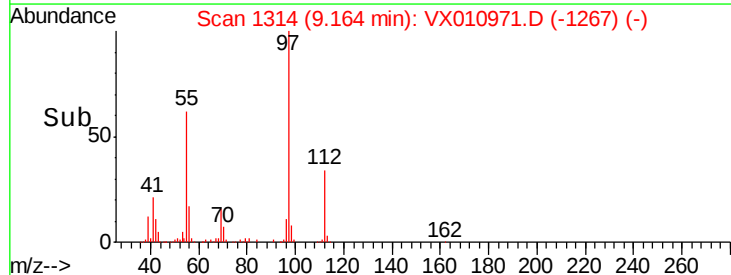
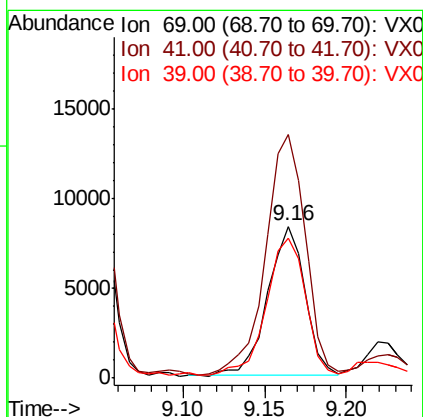
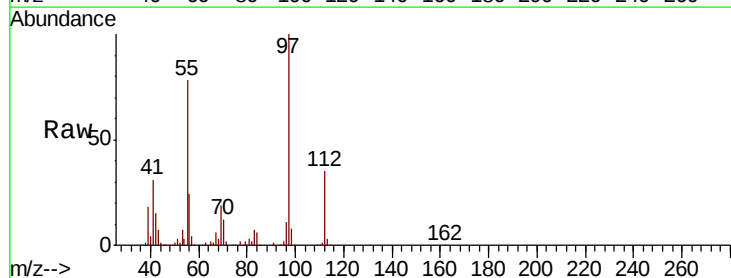
Instrument :
 MSVOA_X
 ClientSampleId :

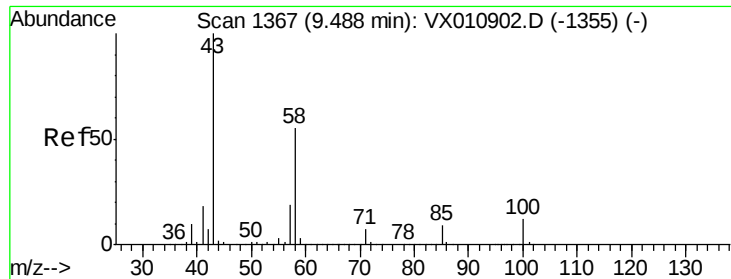
Tot Ion: 97 Resp: 67476
 Ion Ratio Lower Upper
 97 100
 83 6.3 69.2 103.8#
 85 0.3 44.6 66.8#
 99 0.5 51.2 76.8#



#56
 Ethyl methacrylate
 Concen: 3.310 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX010971.D
 Acq: 18 Jul 2019 20:02

Tgt Ion: 69 Resp: 12947
 Ion Ratio Lower Upper
 69 100
 41 174.1 49.7 74.5#
 39 98.1 29.6 44.4#

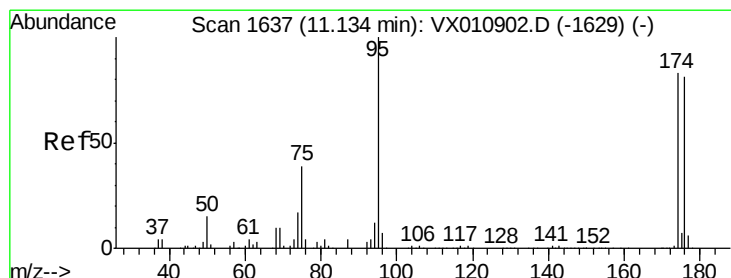
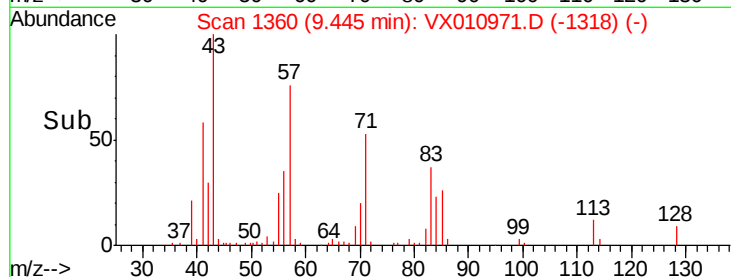
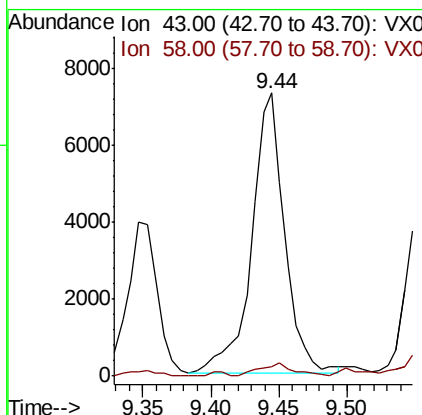
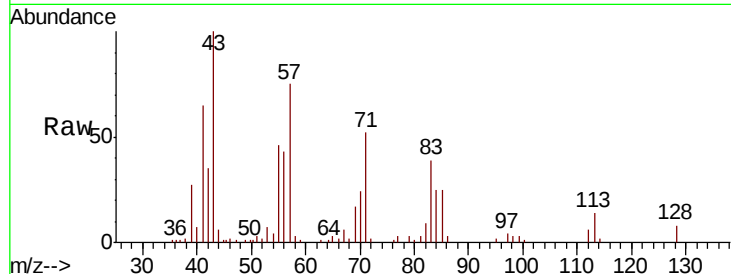




#59
2-Hexanone
Concen: 4.504 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

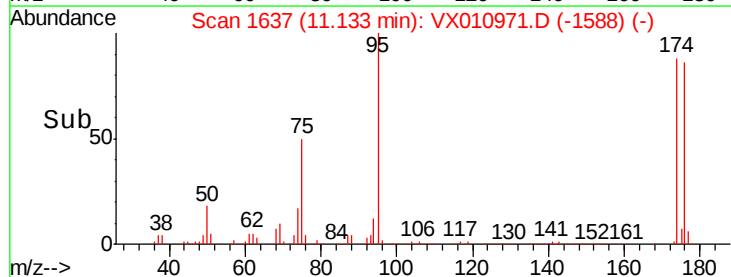
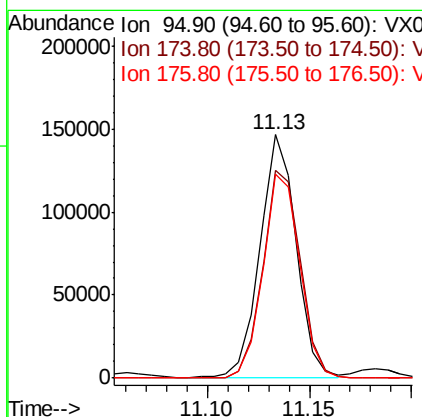
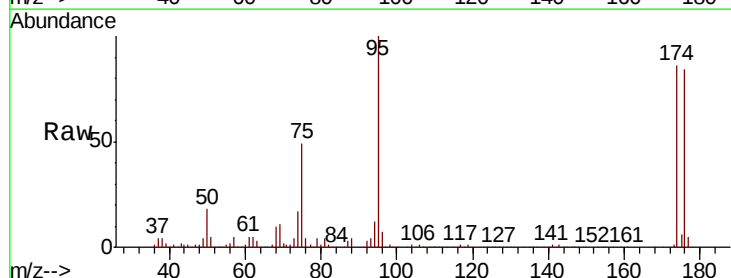
Instrument :
MSVOA_X
ClientSampled :

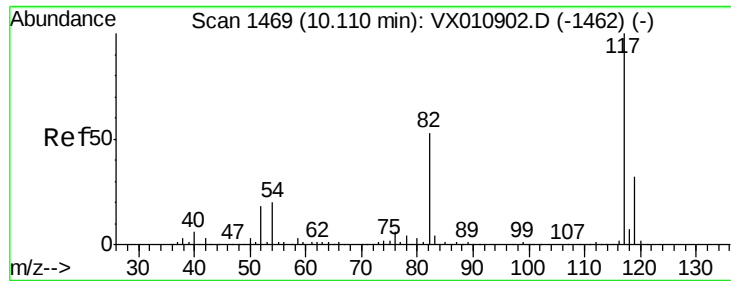
Tot Ion: 43 Resp: 12307
Ion Ratio Lower Upper
43 100
58 4.9 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 52.382 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 95 Resp: 180115
Ion Ratio Lower Upper
95 100
174 89.3 0.0 180.6
176 86.2 0.0 173.8

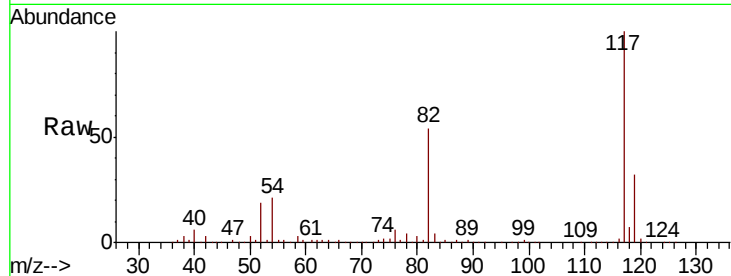




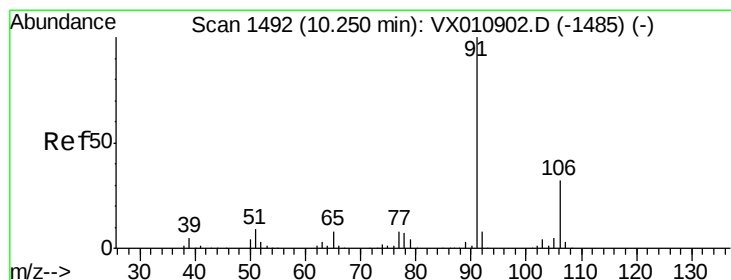
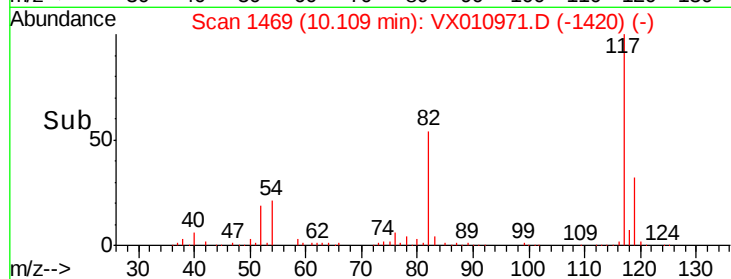
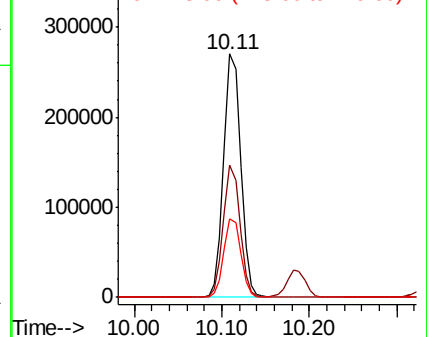
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 366396
Ion Ratio Lower Upper
117 100
82 54.1 42.6 63.8
119 32.5 25.9 38.9

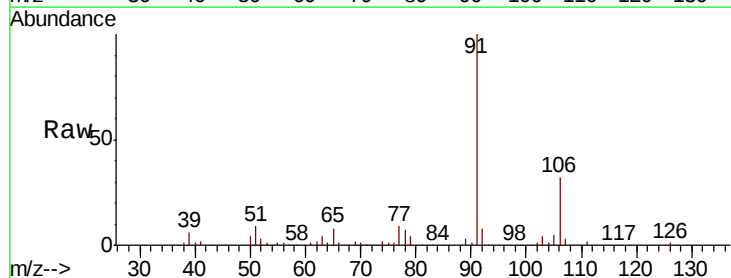


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

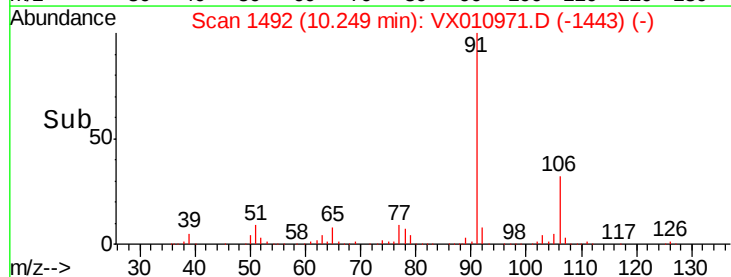
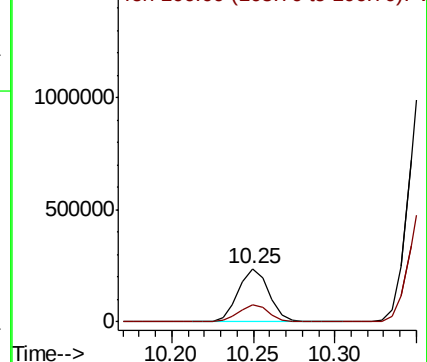


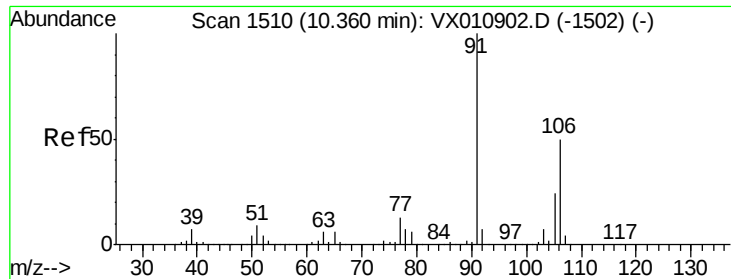
#67
Ethyl Benzene
Concen: 24.289 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 91 Resp: 311121
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

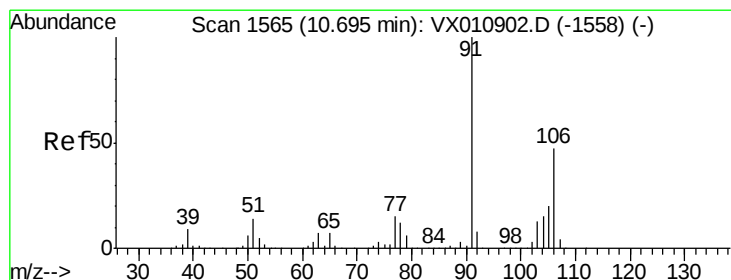
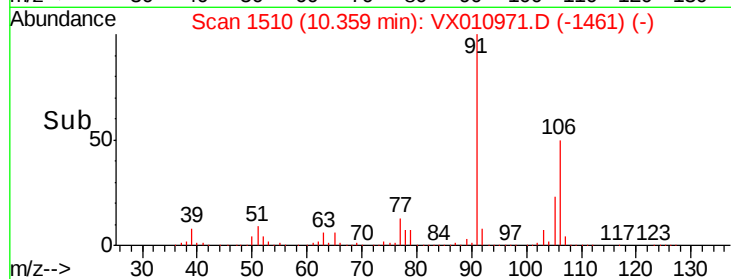
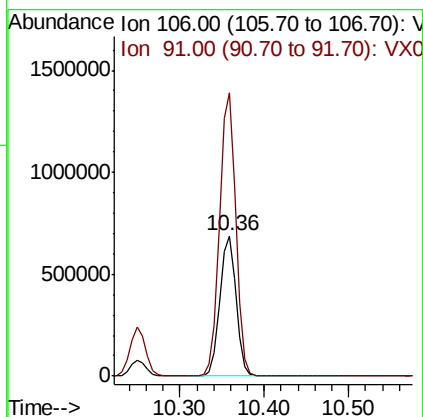
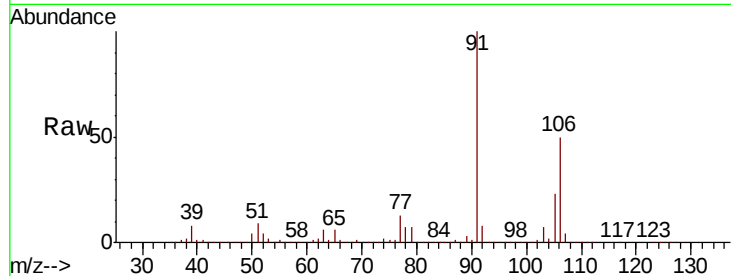




#68
m/p-Xvlenes
Concen: 187.489 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

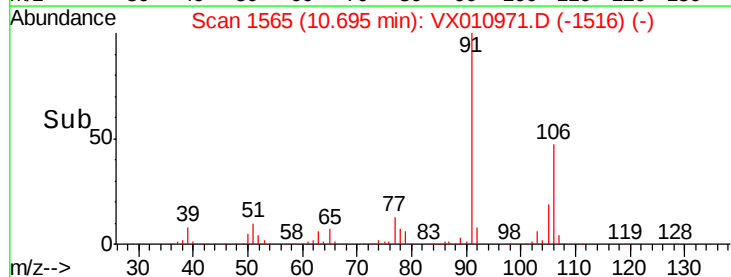
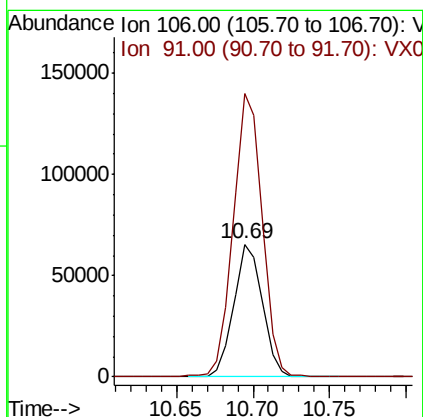
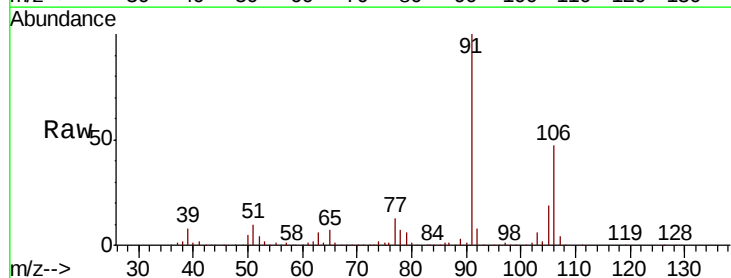
Instrument :
MSVOA_X
ClientSampleId :

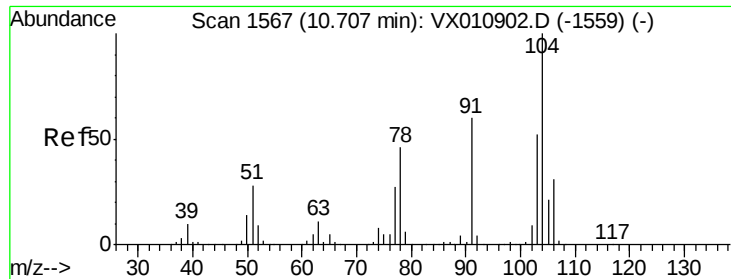
Tot Ion:106 Resp: 921232
Ion Ratio Lower Upper
106 100
91 202.4 160.1 240.1



#69
o-Xylene
Concen: 17.642 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion:106 Resp: 84598
Ion Ratio Lower Upper
106 100
91 216.3 105.1 315.3

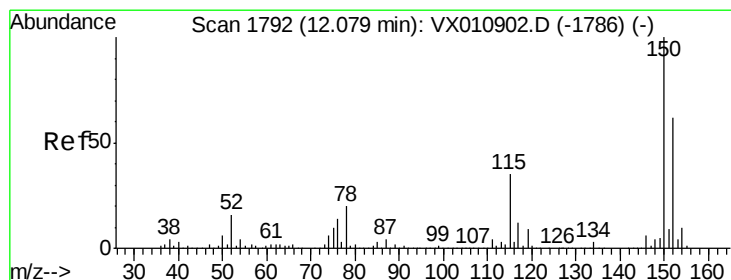
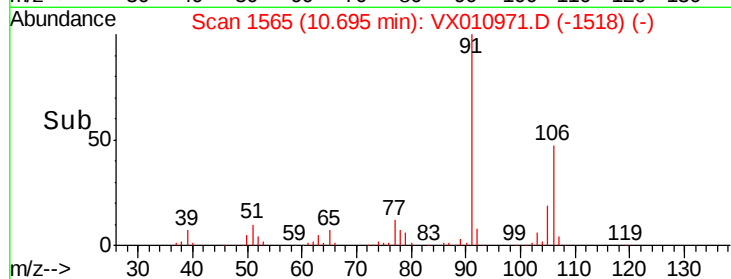
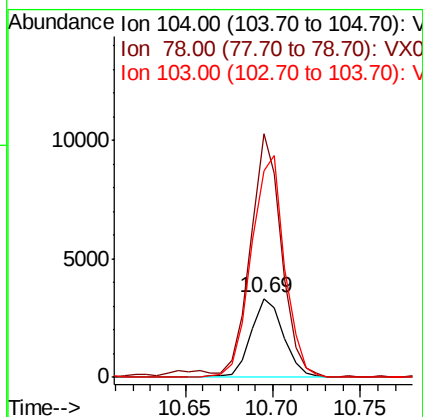
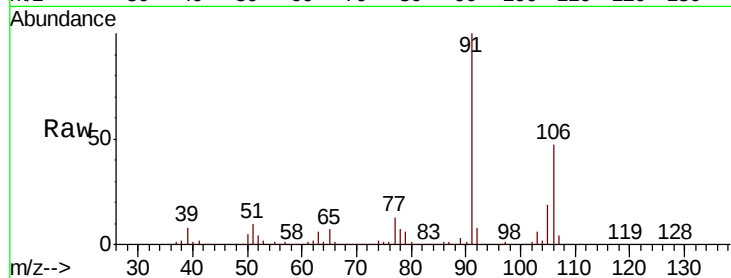




#70
Stvrene
Concen: 0.542 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

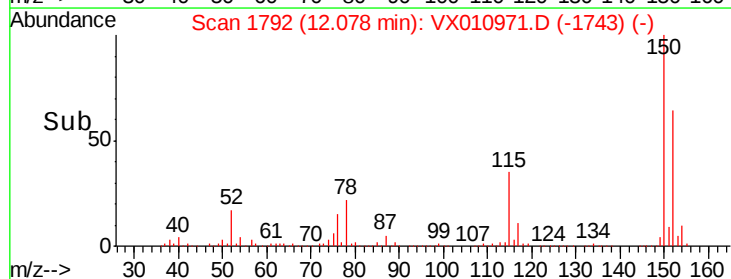
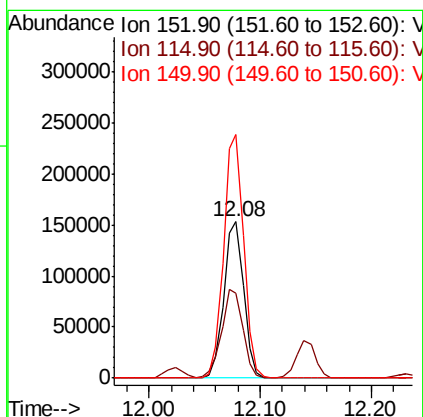
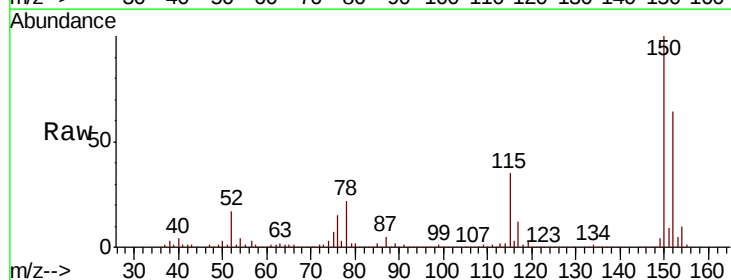
Instrument :
MSVOA_X
ClientSampled :

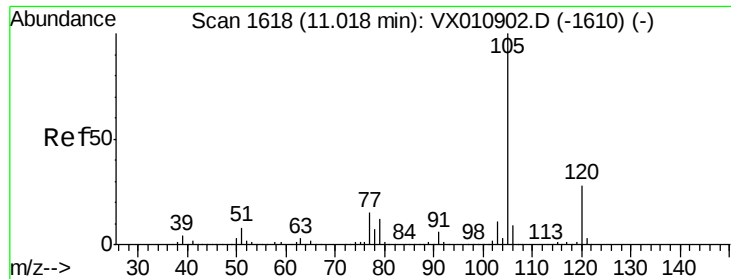
Tot Ion:104 Resp: 4335
Ion Ratio Lower Upper
104 100
78 293.4 38.8 58.2#
103 285.8 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion:152 Resp: 188263
Ion Ratio Lower Upper
152 100
115 60.4 39.7 119.1
150 157.3 0.0 345.6





#73

Isopropylbenzene

Concen: 27.212 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

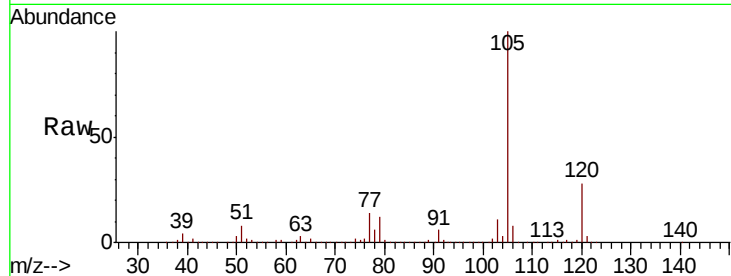
ClientSampleId :

Tot Ion:105 Resp: 346166

Ion Ratio Lower Upper

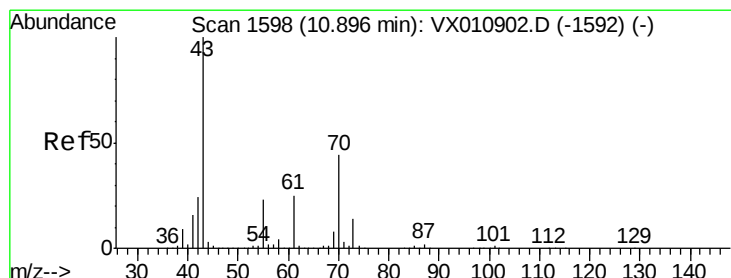
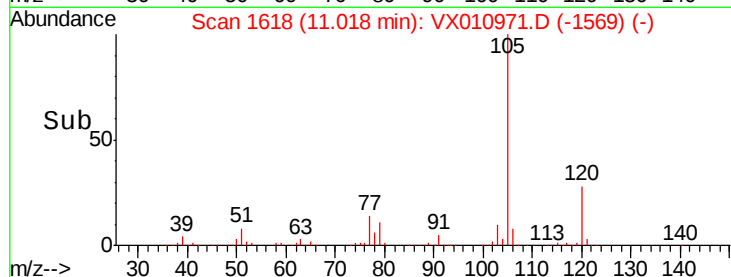
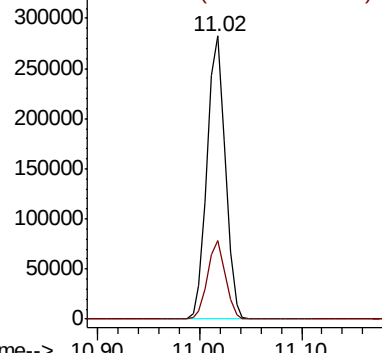
105 100

120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.817 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Tgt Ion: 43 Resp: 3972

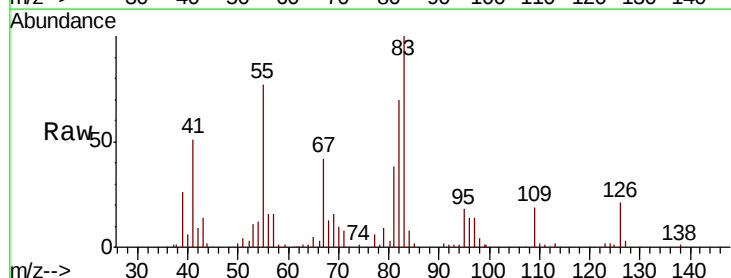
Ion Ratio Lower Upper

43 100

70 106.6 34.7 52.1#

55 518.4 19.1 28.7#

61 0.0 19.9 29.9#

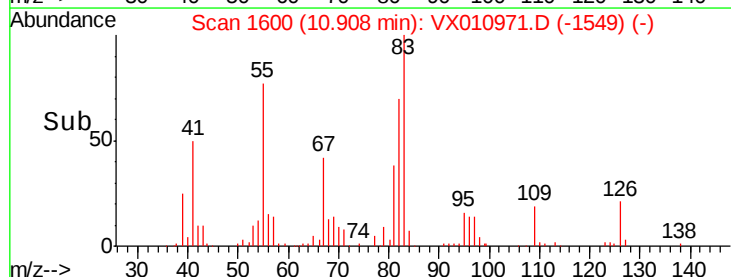
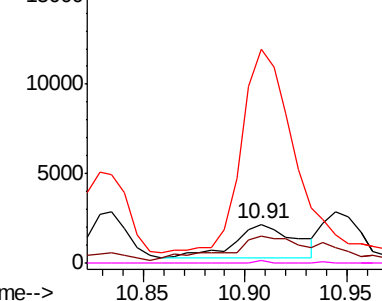


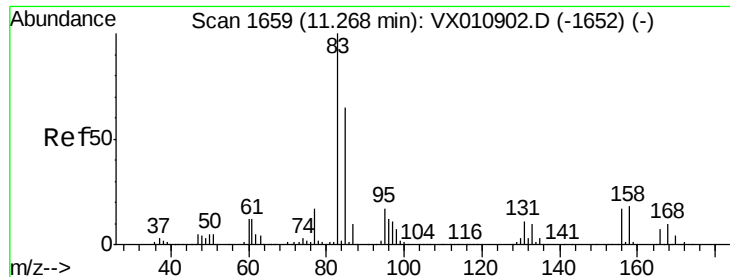
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.780 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

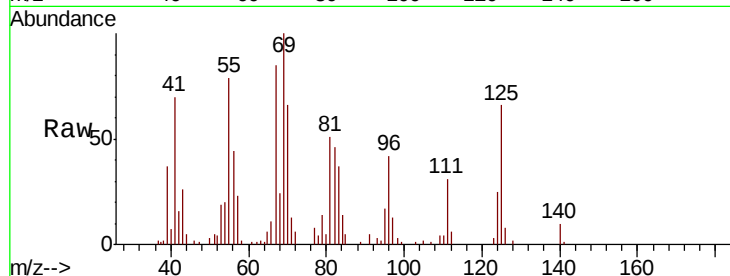
Tot Ion: 83 Resp: 3247

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

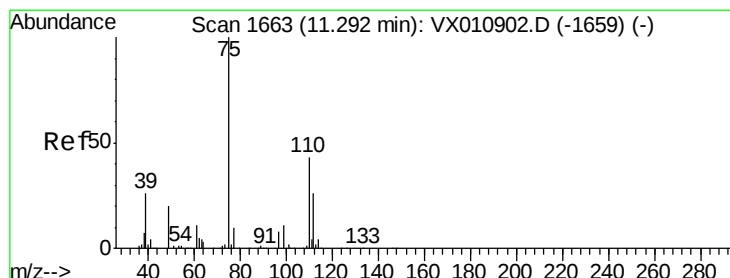
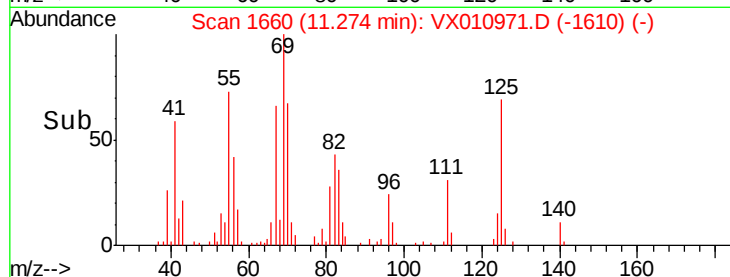
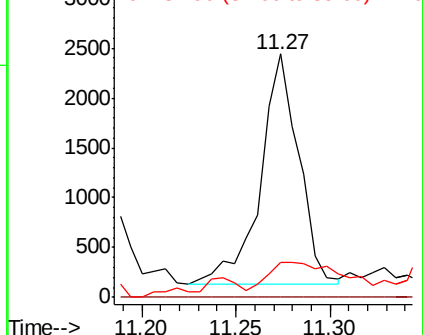
85 25.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.962 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010971.D

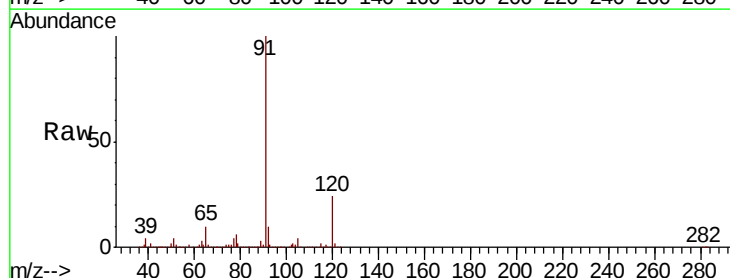
Acq: 18 Jul 2019 20:02

Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

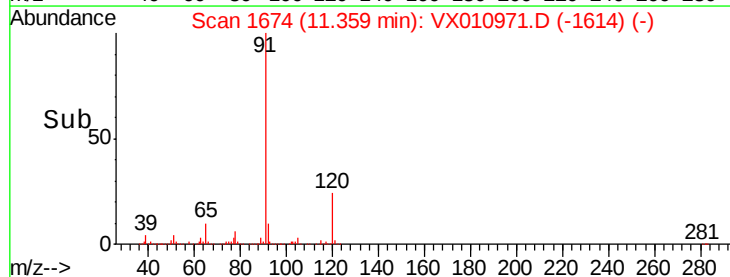
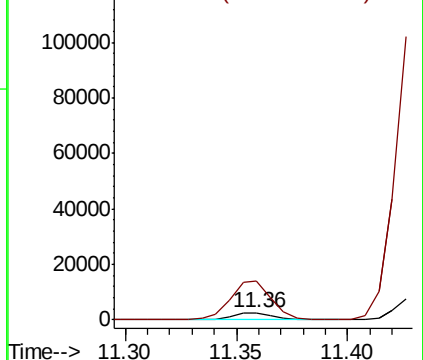
75 100

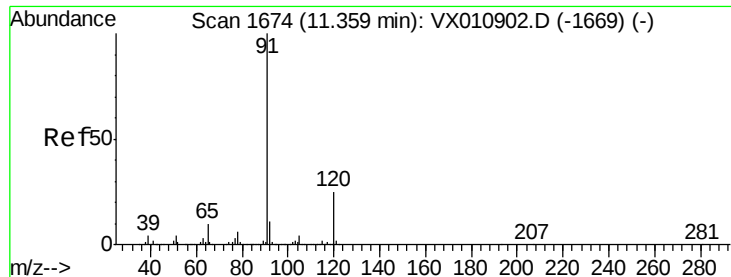
77 543.7 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 32.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

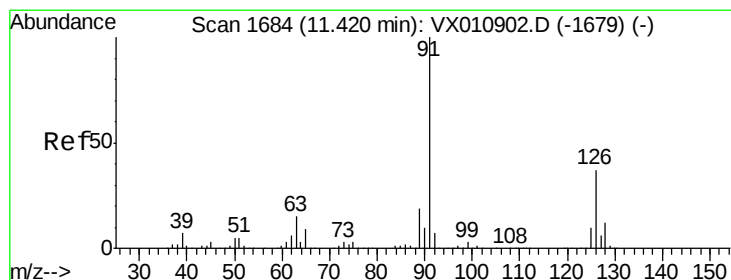
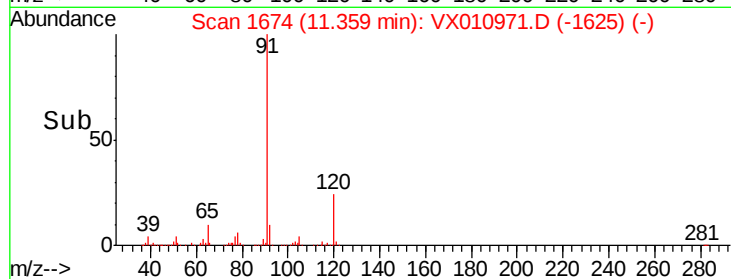
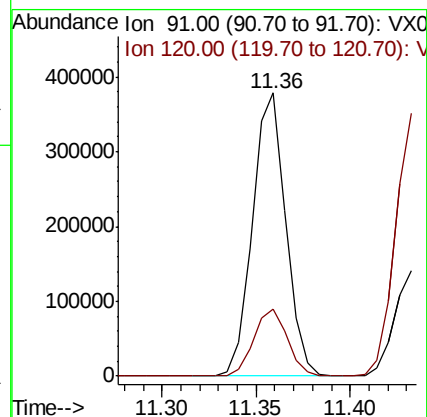
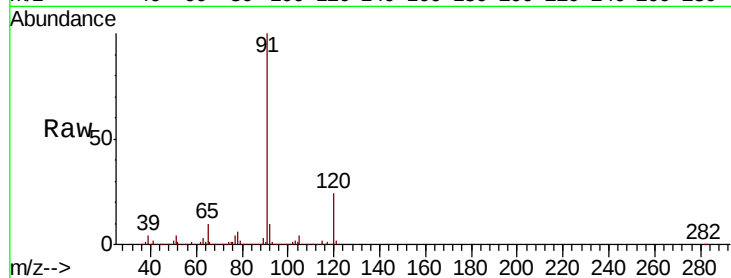
ClientSampleId :

Tot Ion: 91 Resp: 460697

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8



#79

2-Chlorotoluene

Concen: 29.572 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010971.D

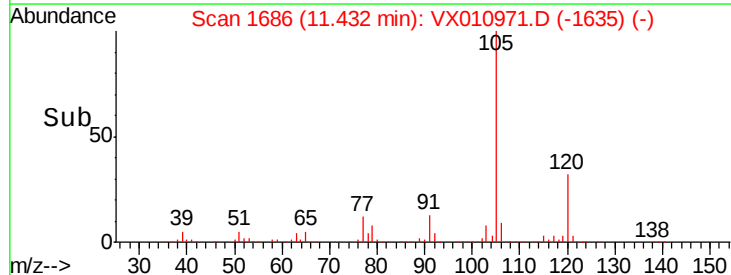
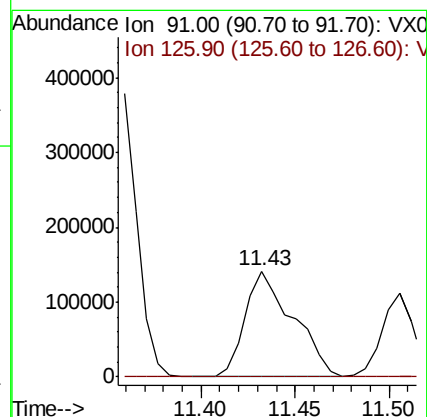
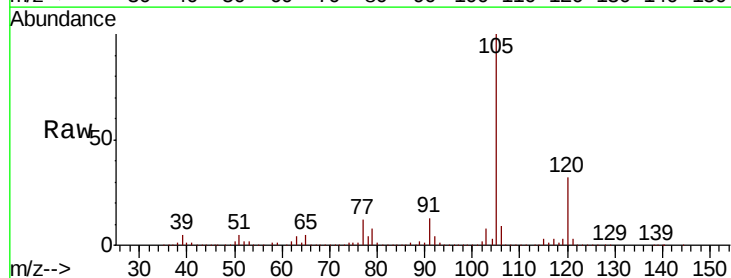
Acq: 18 Jul 2019 20:02

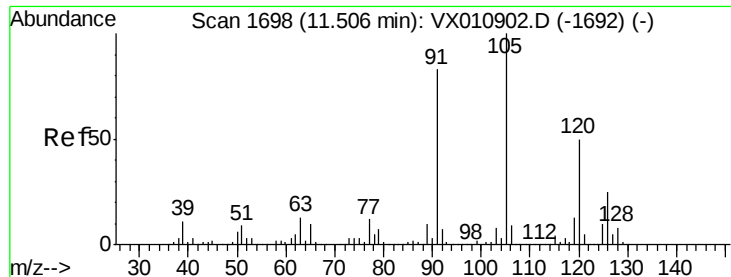
Tgt Ion: 91 Resp: 249688

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#





#80

1,3,5-Trimethylbenzene

Concen: 115.142 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

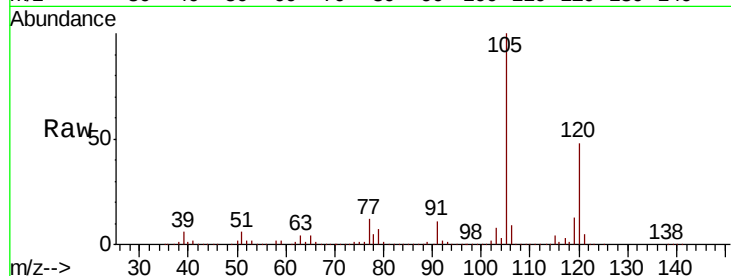
ClientSampleId :

Tot Ion:105 Resp: 1223913

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

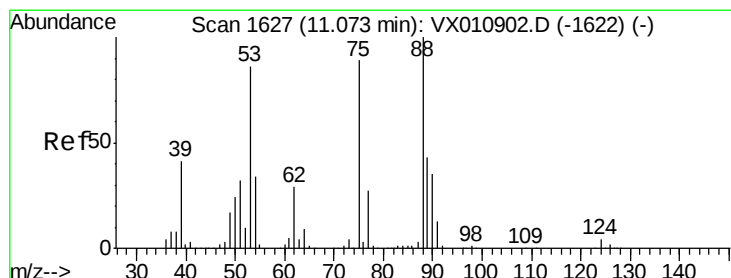
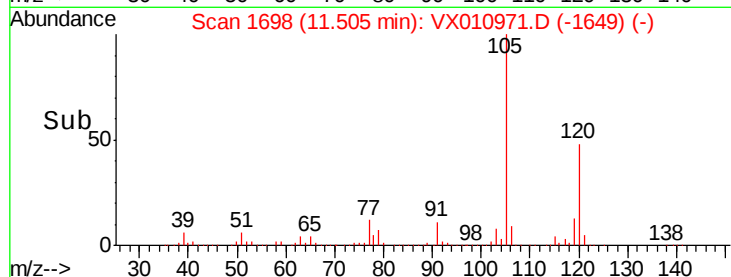
0

11.51

11.50

11.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 6.704 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.06 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

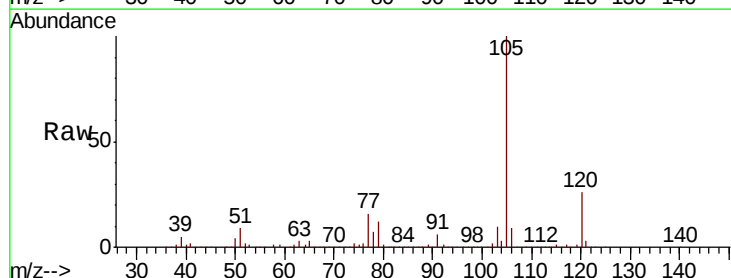
Tgt Ion: 75 Resp: 3969

Ion Ratio Lower Upper

75 100

53 101.5 76.7 115.1

89 115.3 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

5000

4000

3000

2000

1000

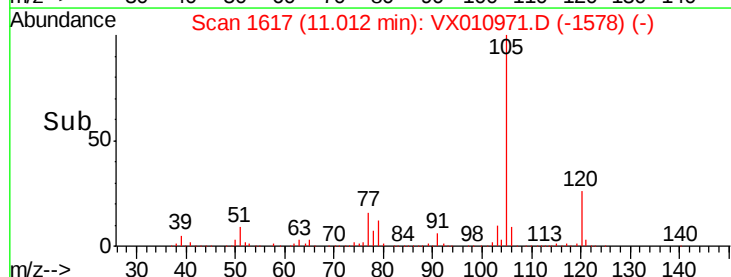
0

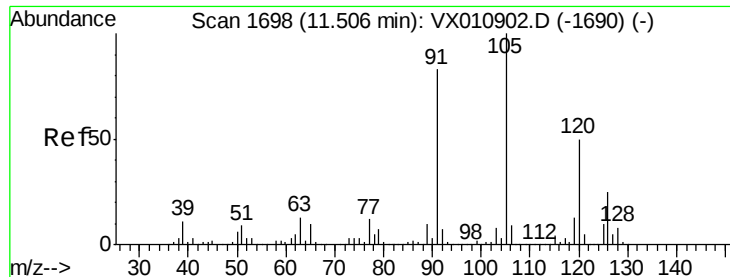
11.01

10.95

11.05

Time-->

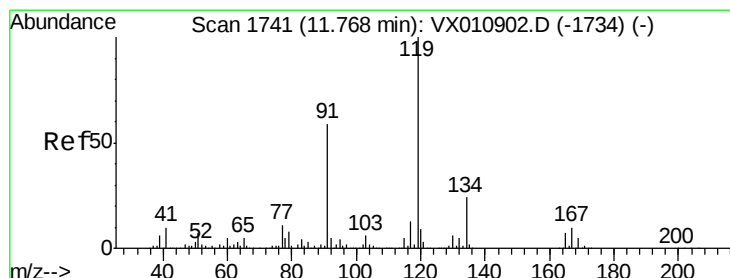
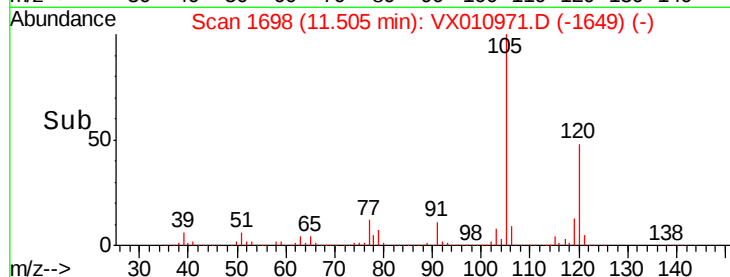
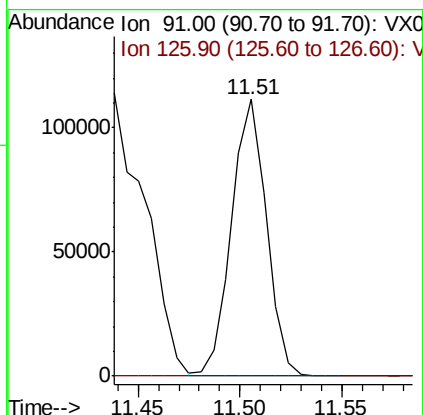
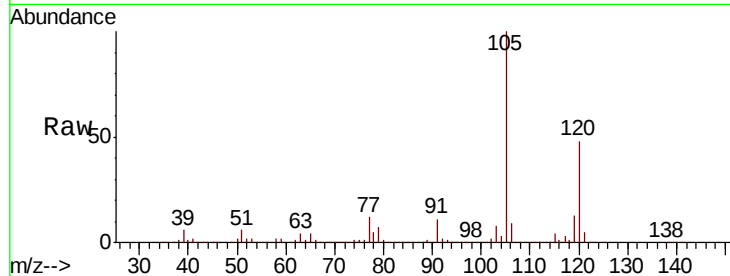




#82
4-Chlorotoluene
Concen: 13.358 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

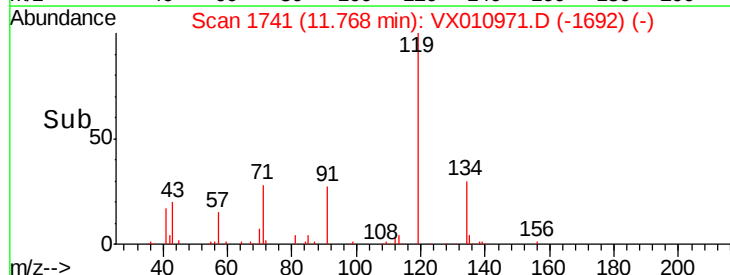
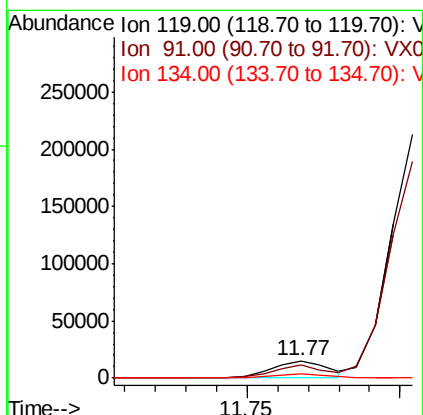
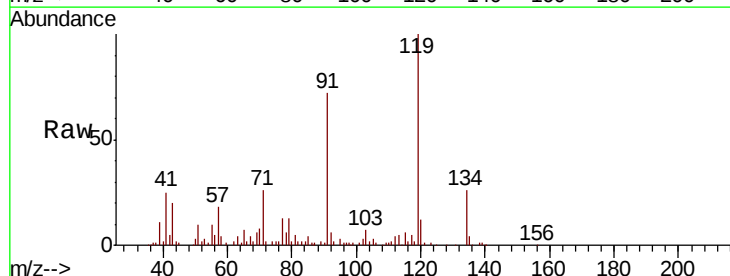
Instrument :
MSVOA_X
ClientSampleId :

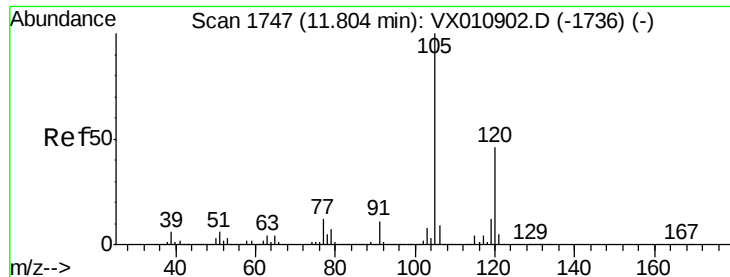
Tot Ion: 91 Resp: 131269
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#



#83
tert-Butylbenzene
Concen: 1.792 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 119 Resp: 18706
Ion Ratio Lower Upper
119 100
91 69.9 28.6 85.8
134 25.9 11.6 34.8



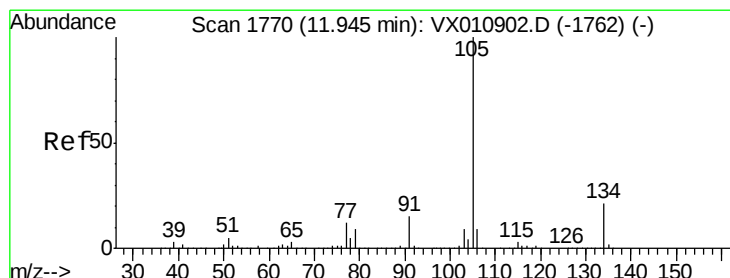
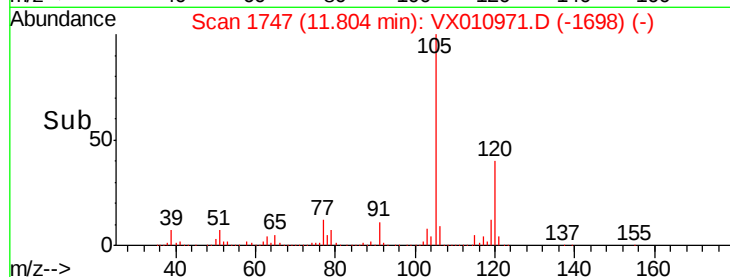
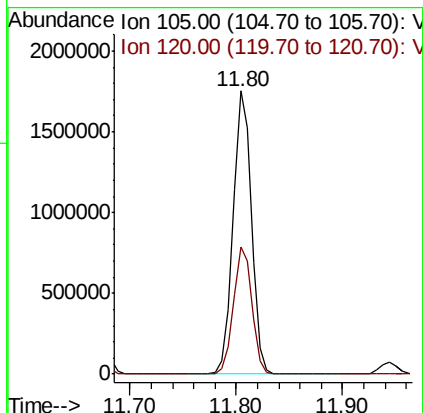
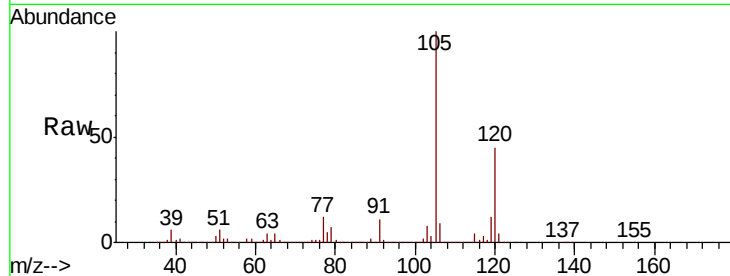


#84

1,2,4-Trimethylbenzene
Concen: 197.794 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampled :

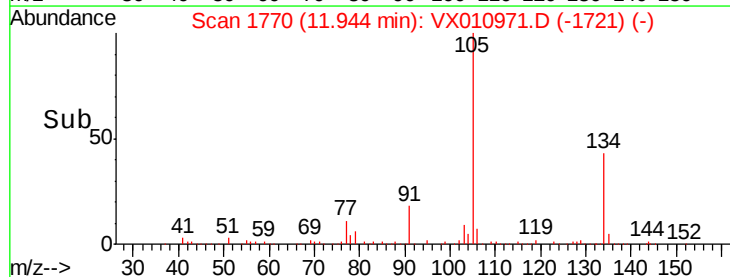
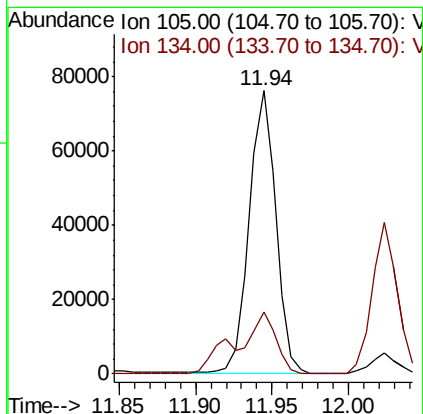
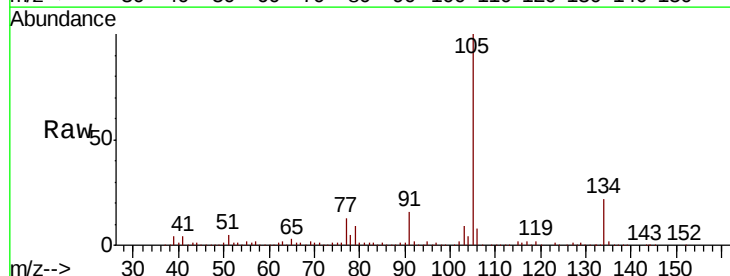
Tot Ion:105 Resp: 2119079
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.5

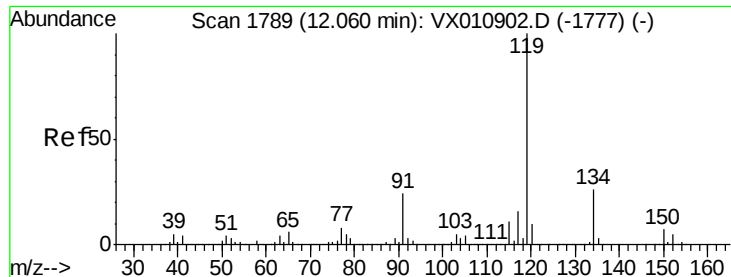


#85

sec-Butylbenzene
Concen: 7.489 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion:105 Resp: 91618
Ion Ratio Lower Upper
105 100
134 21.5 10.4 31.4

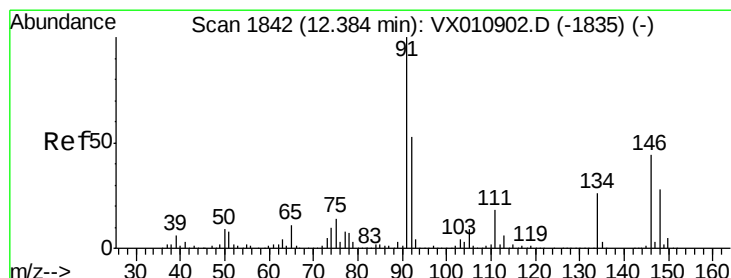
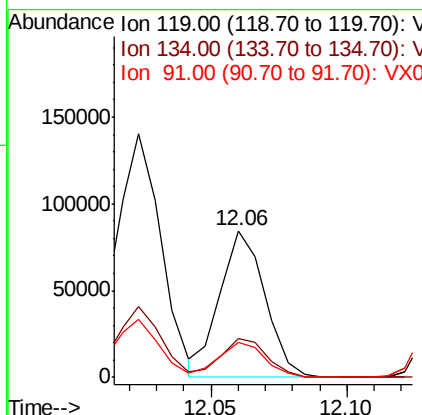
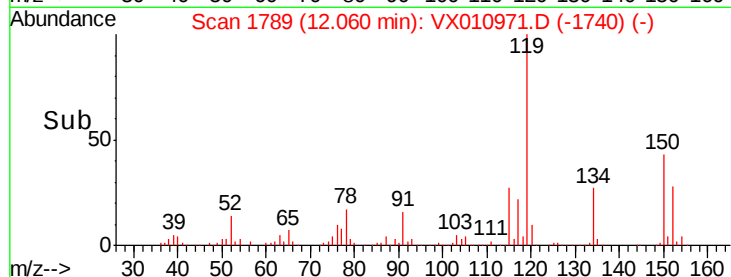
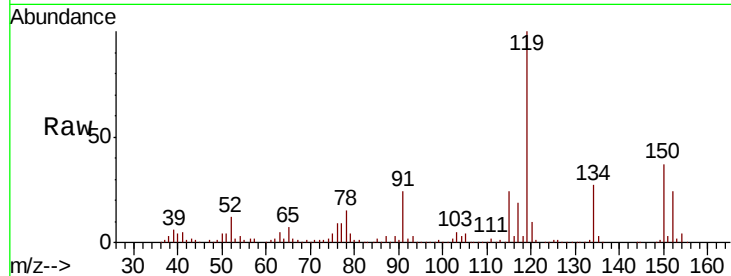




#86
p-Isopropyltoluene
Concen: 8.584 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

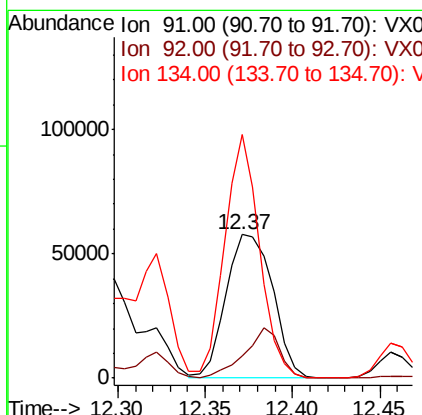
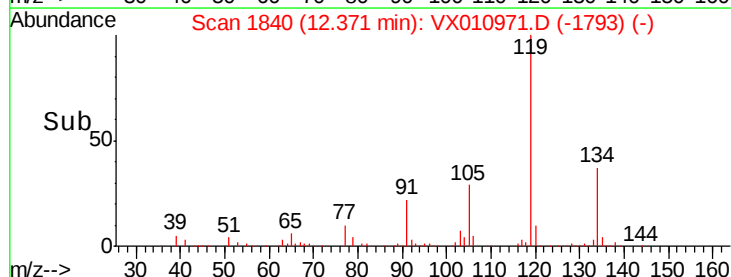
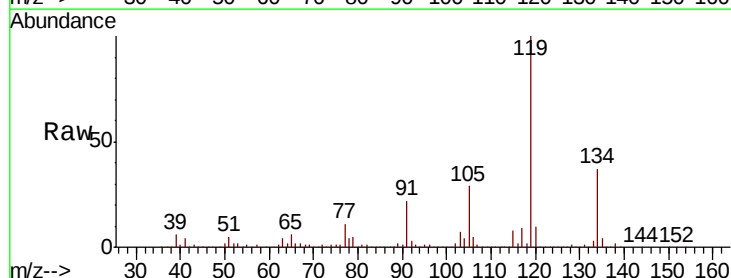
Instrument :
MSVOA_X
ClientSampled :

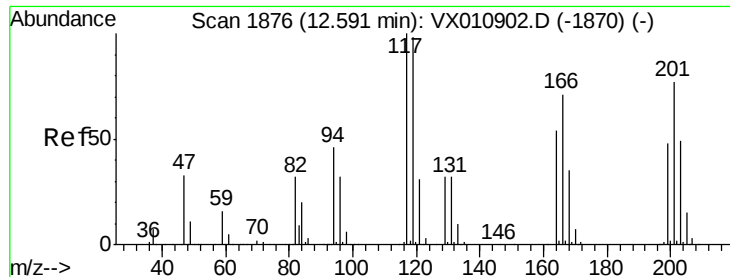
Tot Ion:119 Resp: 97089
Ion Ratio Lower Upper
119 100
134 27.5 13.4 40.1
91 24.8 11.8 35.4



#89
n-Butylbenzene
Concen: 11.094 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 91 Resp: 107349
Ion Ratio Lower Upper
91 100
92 26.4 26.2 78.5
134 125.8 13.8 41.3#





#90

Hexachloroethane

Concen: 9.627 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

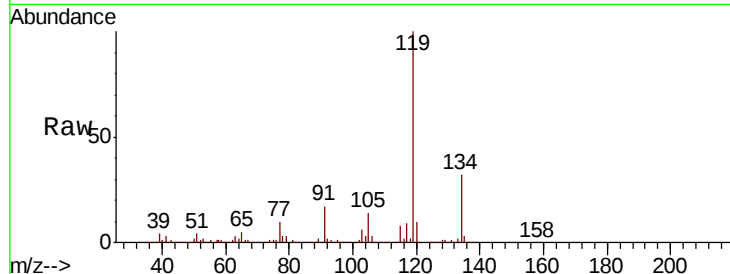
ClientSampleId :

Tot Ion:117 Resp: 17174

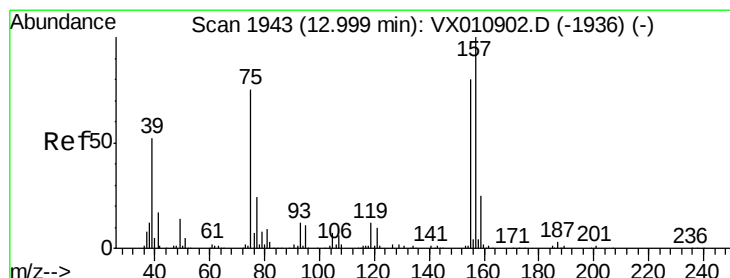
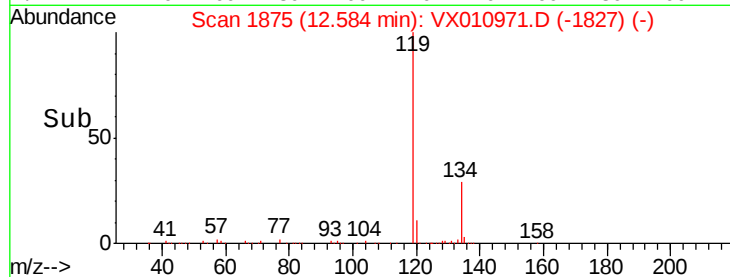
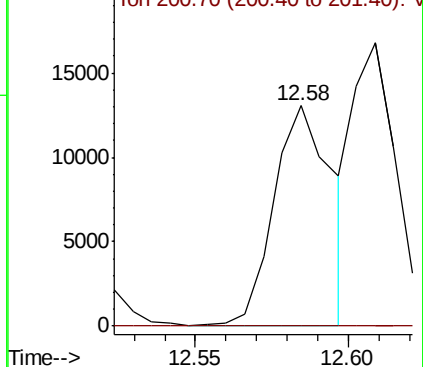
Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.864 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

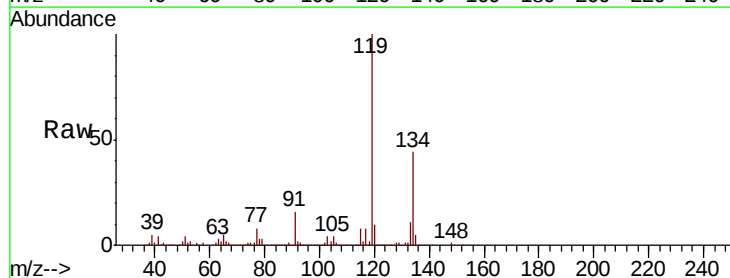
Tgt Ion: 75 Resp: 2492

Ion Ratio Lower Upper

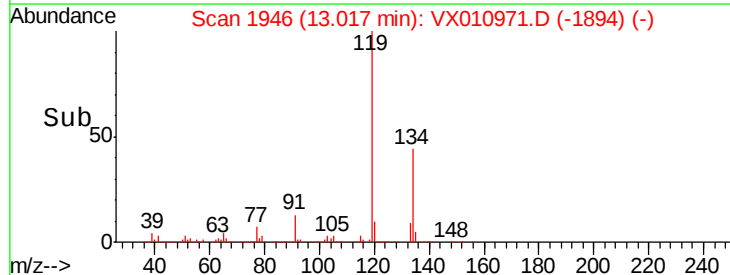
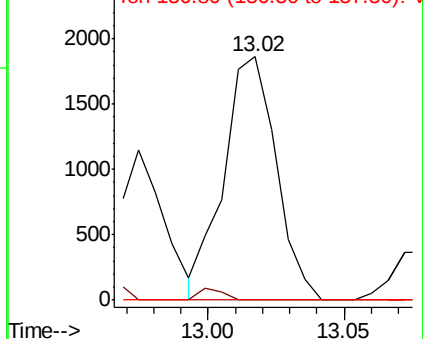
75 100

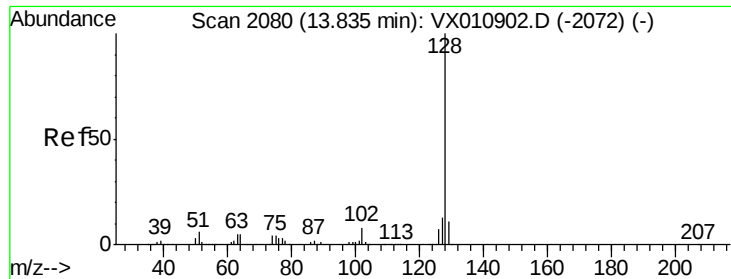
155 2.1 48.7 146.1#

157 0.0 62.5 187.6#



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

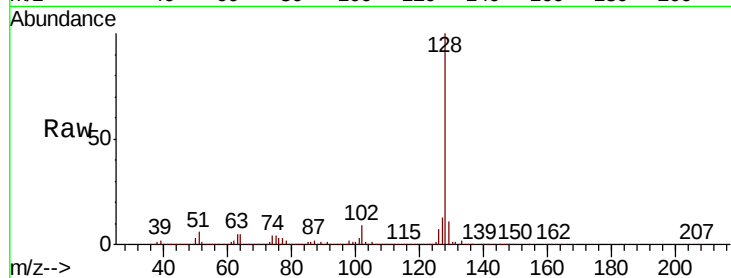




#95
Naphthalene
Concen: 29.732 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.3	8.9	13.3



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

