

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010930.D
 Acq On : 17 Jul 2019 12:59
 Operator : JC/SP
 Sample : K3791-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0626

Quant Time: Jul 18 02:28:53 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	5.67	168	222432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	115912	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.50	113	108374	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	420644	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	150140	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	226	0.641	ug/l #	43
3) Chloromethane	1.33	50	500	0.244	ug/l #	34
5) Bromomethane	1.66	94	514	0.437	ug/l #	80
13) Acrolein	2.26	56	267	0.839	ug/l #	1
14) Allyl chloride	2.78	41	993	0.345	ug/l #	27
15) Acrylonitrile	3.17	53	2143	1.924	ug/l #	49
16) Acetone	2.45	43	2466	2.307	ug/l #	87
18) Methyl Acetate	2.84	43	20990	8.625	ug/l #	48
25) 2-Butanone	4.69	43	2114	1.378	ug/l	90
31) Cyclohexane	5.58	56	58220	18.120	ug/l	99
36) 1,1-Dichloropropene	5.67	75	15459	5.389	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20510	6.862	ug/l #	17
39) Methylcyclohexane	7.46	83	37699	10.135	ug/l	98
40) Benzene	6.15	78	1972	0.224	ug/l	93
43) Isopropyl Acetate	6.46	43	1430	0.296	ug/l #	61
48) Methyl methacrylate	7.73	41	3948	1.678	ug/l #	51
49) 1,4-Dioxane	7.65	88	20	0.304	ug/l #	1
51) 4-Methyl-2-Pentanone	8.68	43	953	0.304	ug/l #	35
55) 1,1,2-Trichloroethane	9.16	97	3936	1.656	ug/l #	19
56) Ethyl methacrylate	9.17	69	912	0.262	ug/l #	1
60) Dibromochloromethane	9.35	129	127	2.572	ug/l #	11
67) Ethyl Benzene	10.25	91	277429	24.508	ug/l	98
68) m/p-Xylenes	10.36	106	311519	71.742	ug/l	98
69) o-Xylene	10.69	106	1568	0.370	ug/l	98
73) Isopropylbenzene	11.02	105	64067	6.043	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	817	0.235	ug/l #	34
76) 1,2,3-Trichloropropane	11.43	75	3076	1.086	ug/l #	1
78) n-propylbenzene	11.36	91	72303	6.172	ug/l	100
79) 2-Chlorotoluene	11.43	91	39458	5.607	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	197301	22.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	74790	65.574	ug/l #	11
82) 4-Chlorotoluene	11.51	91	20329	2.482	ug/l #	43
83) tert-Butylbenzene	11.77	119	4869	0.560	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	304601	34.113	ug/l	99

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Response via : Initial Calibration

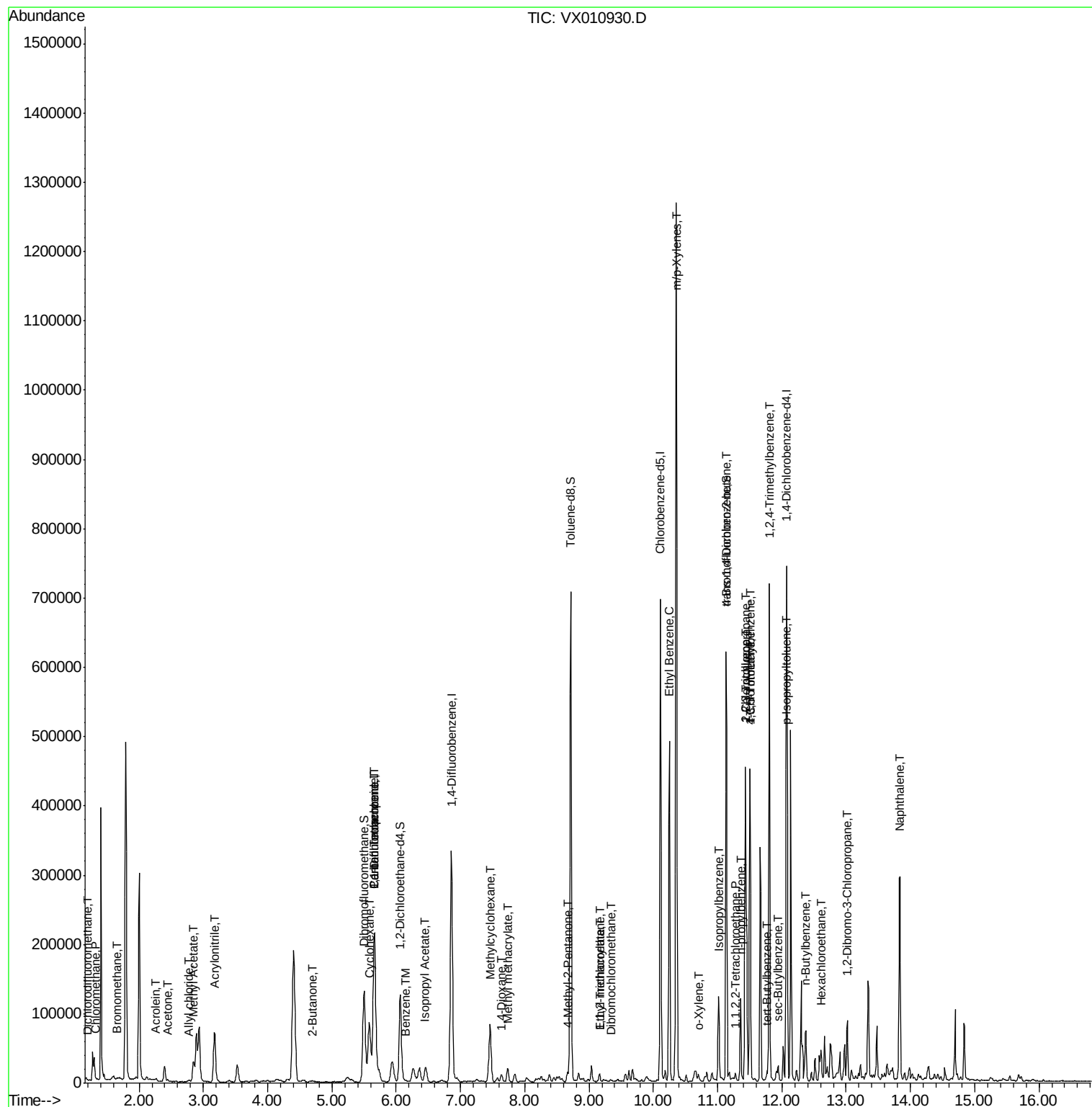
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	10236	1.004	ug/l	99
86) p-Isopropyltoluene	12.06	119	10937	1.160	ug/l	93
89) n-Butylbenzene	12.37	91	8003	0.992	ug/l #	10
90) Hexachloroethane	12.60	117	3315	2.230	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	310	0.427	ug/l #	1
95) Naphthalene	13.83	128	191315	19.006	ug/l	99

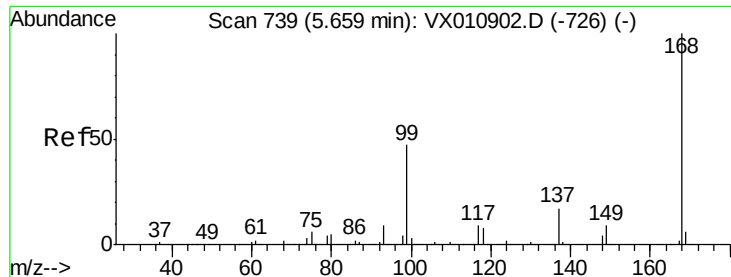
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

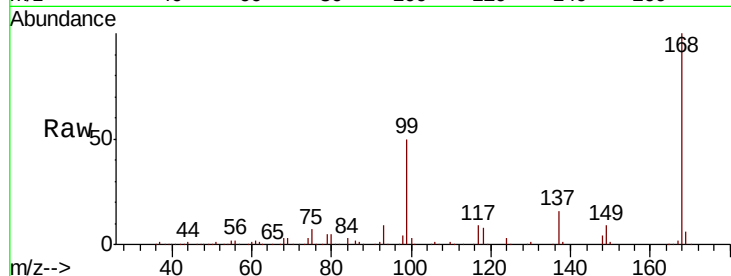
FL-0626

Tot Ion:168 Resp: 222432

Ion Ratio Lower Upper

168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

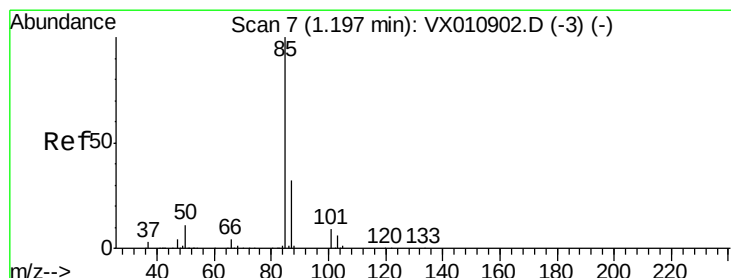
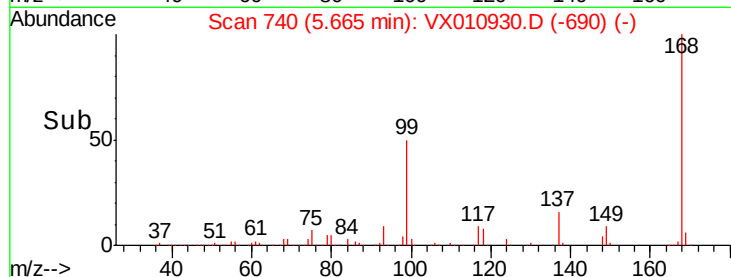
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.641 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010930.D

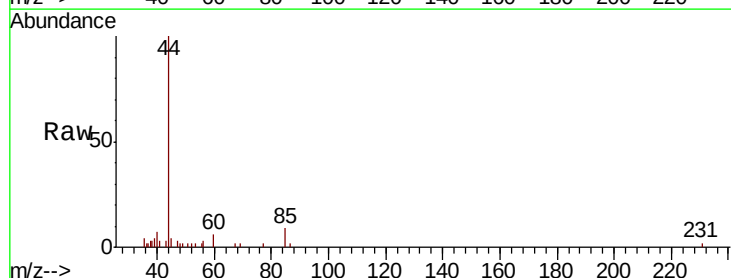
Acq: 17 Jul 2019 12:59

Tgt Ion: 85 Resp: 226

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

1.20

300

250

200

150

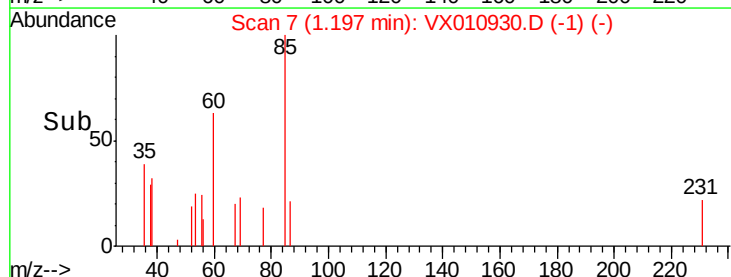
100

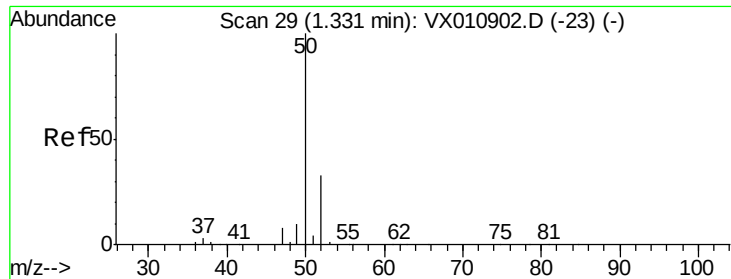
50

0

Time-->

1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

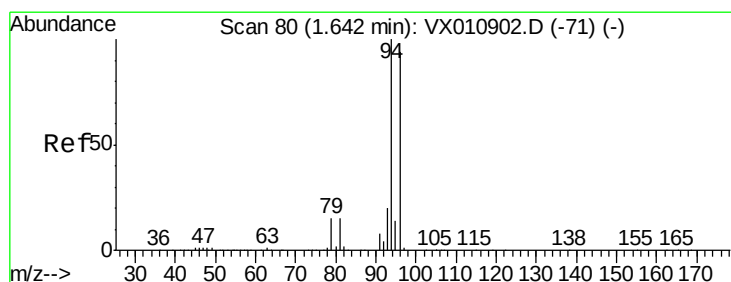
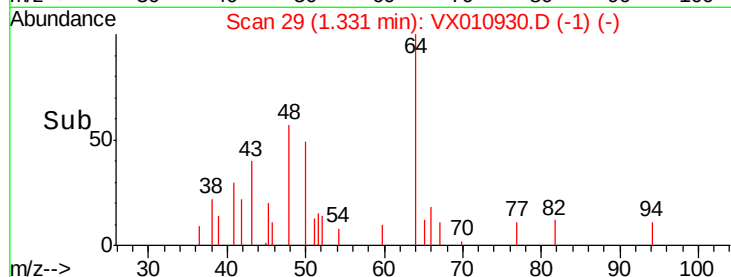
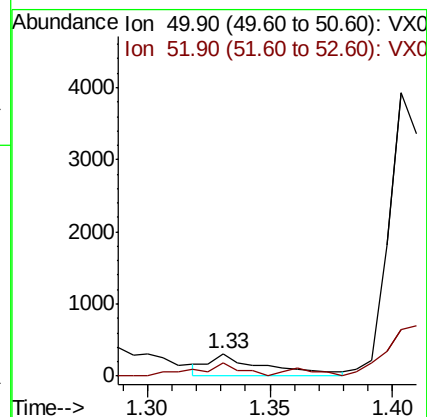
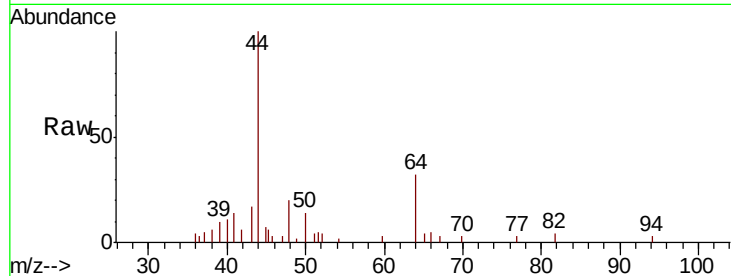
FL-0626

Tot Ion: 50 Resp: 500

Ion Ratio Lower Upper

50 100

52 70.5 26.4 39.6#



#5

Bromomethane

Concen: 0.437 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010930.D

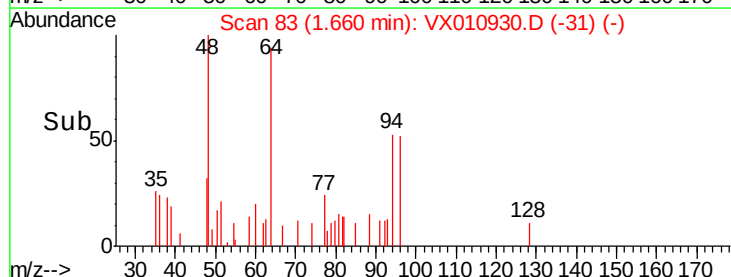
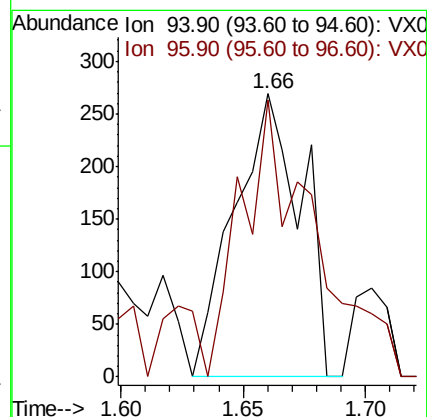
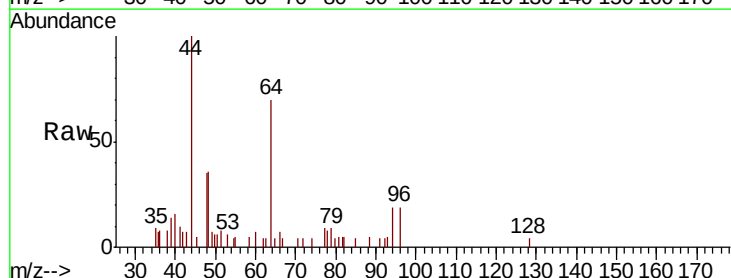
Acq: 17 Jul 2019 12:59

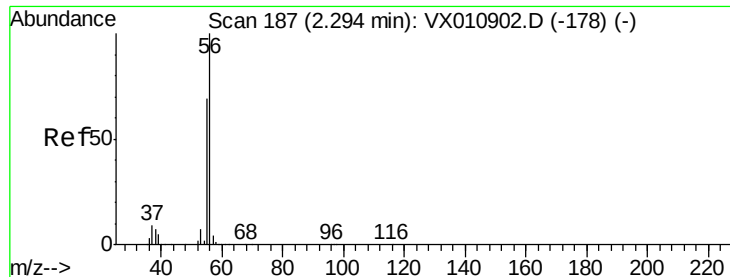
Tgt Ion: 94 Resp: 514

Ion Ratio Lower Upper

94 100

96 74.7 75.6 113.4#





#13

Acrolein

Concen: 0.839 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

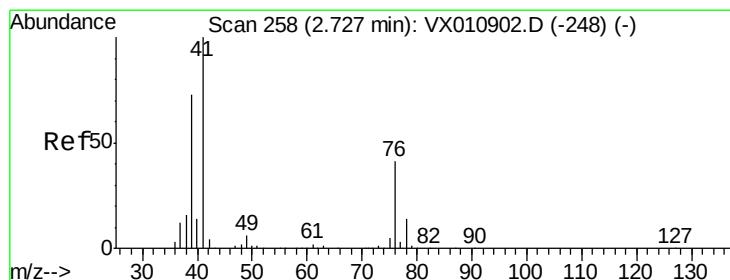
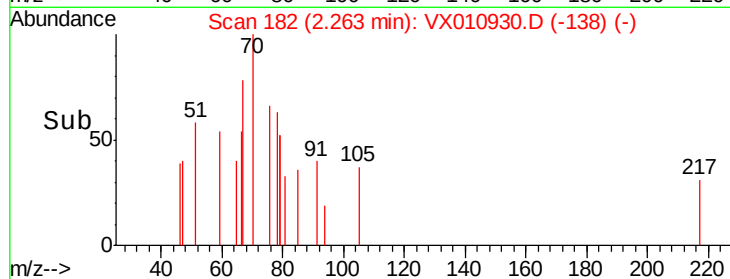
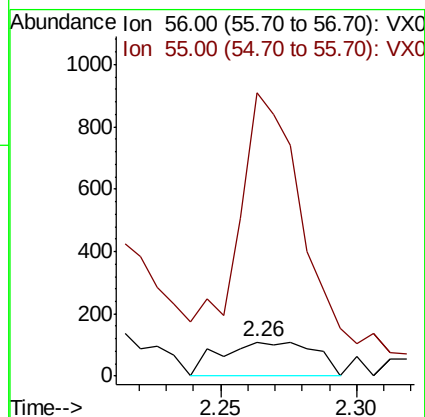
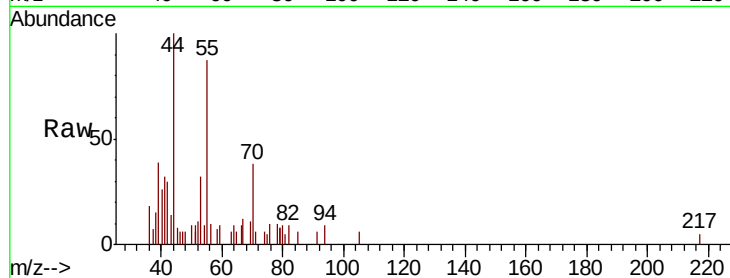
FL-0626

Tot Ion: 56 Resp: 267

Ion Ratio Lower Upper

56 100

55 546.8 55.9 83.9#



#14

Allyl chloride

Concen: 0.345 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

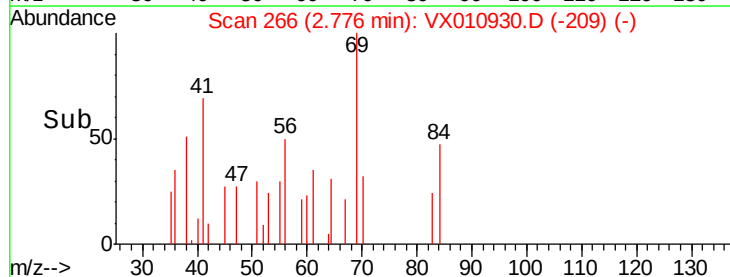
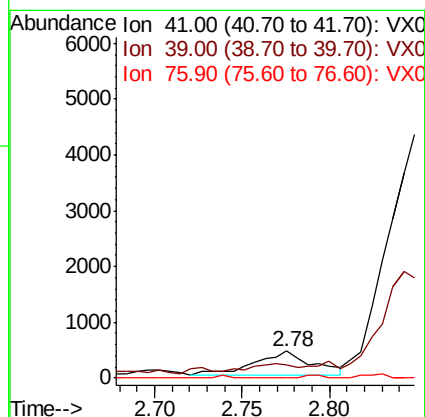
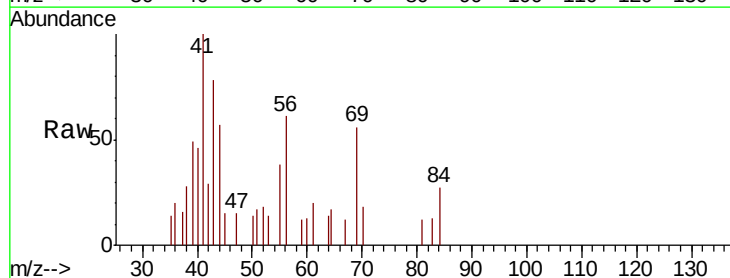
Tgt Ion: 41 Resp: 993

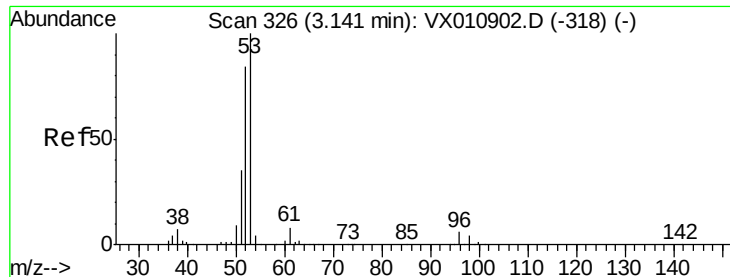
Ion Ratio Lower Upper

41 100

39 0.0 53.6 80.4#

76 4.2 29.7 44.5#





#15

Acrylonitrile

Concen: 1.924 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

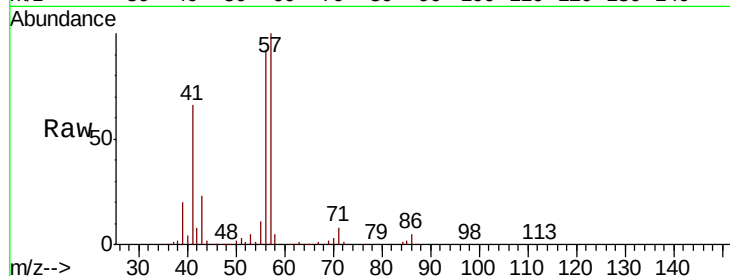
Tot Ion: 53 Resp: 2143

Ion Ratio Lower Upper

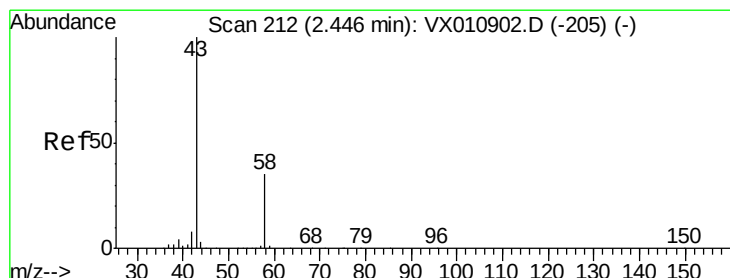
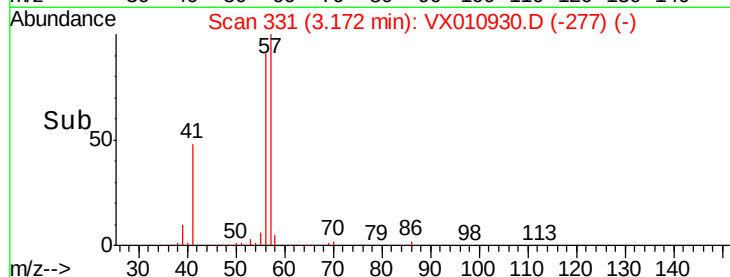
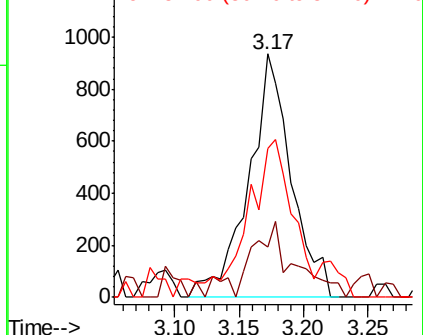
53 100

52 29.1 66.5 99.7#

51 53.0 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: 2.307 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010930.D

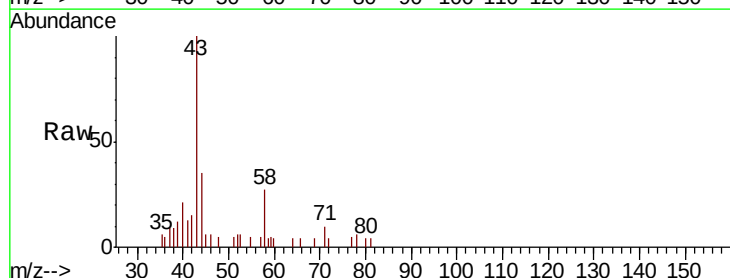
Acq: 17 Jul 2019 12:59

Tgt Ion: 43 Resp: 2466

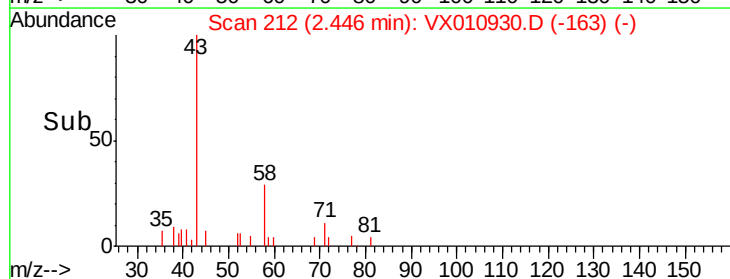
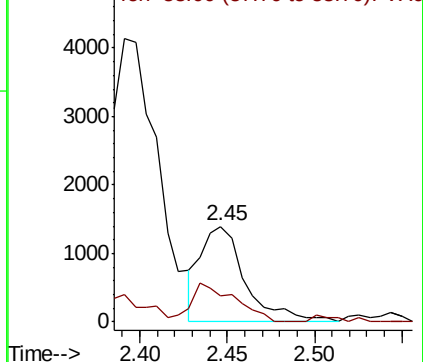
Ion Ratio Lower Upper

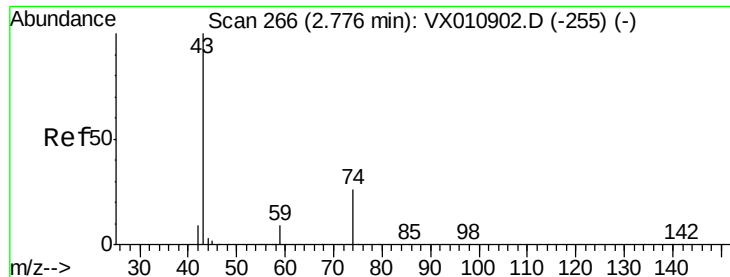
43 100

58 27.3 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

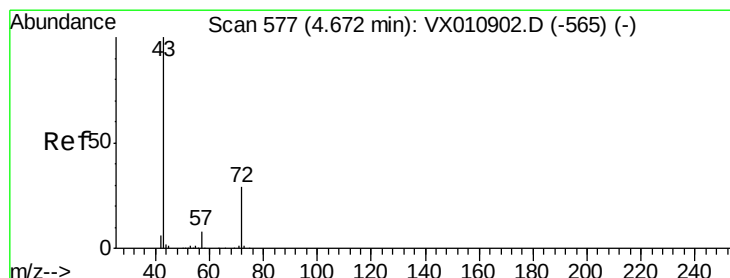
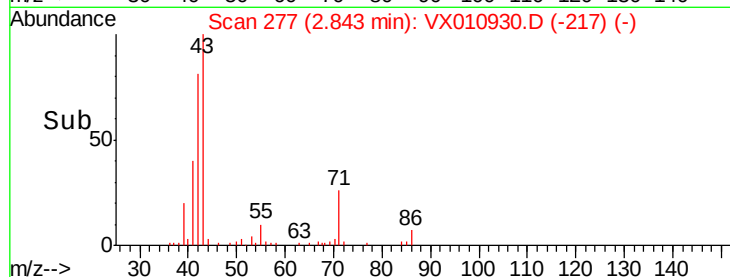
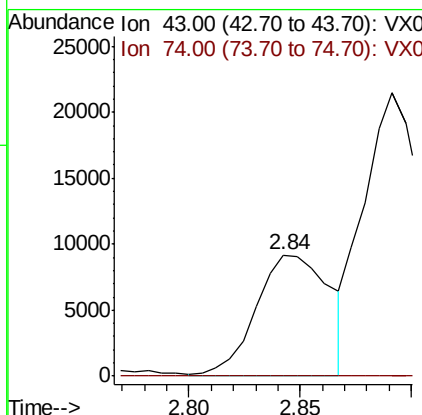
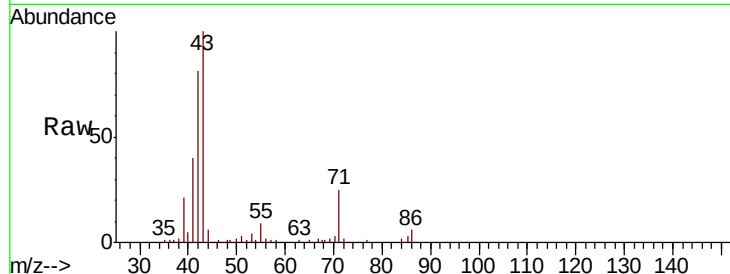




#18
Methvl Acetate
Concen: 8.625 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

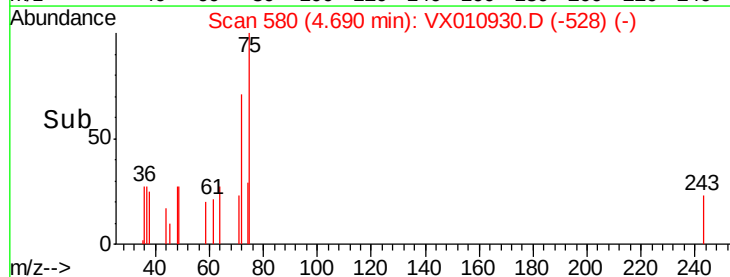
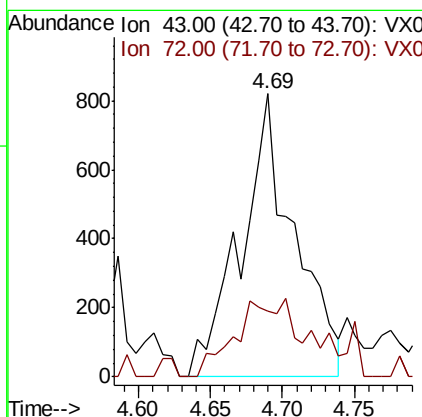
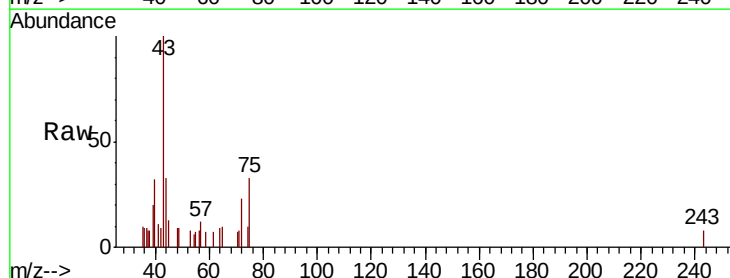
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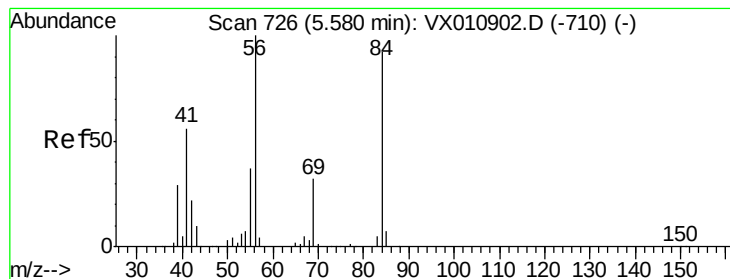
Tot Ion: 43 Resp: 20990
Ion Ratio Lower Upper
43 100
74 0.2 21.5 32.3#



#25
2-Butanone
Concen: 1.378 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
72 23.4 23.0 34.6





#31

Cyclohexane

Concen: 18.120 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

FL-0626

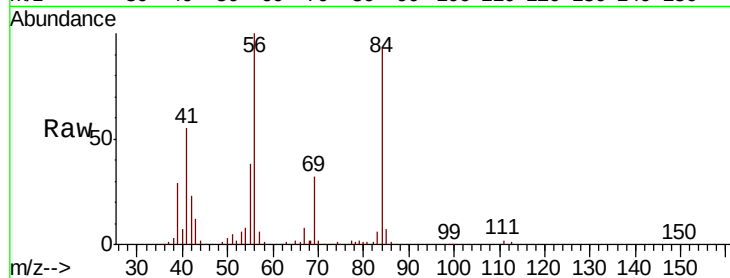
Tot Ion: 56 Resp: 58220

Ion Ratio Lower Upper

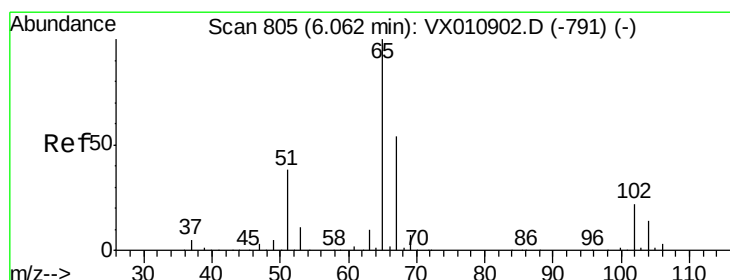
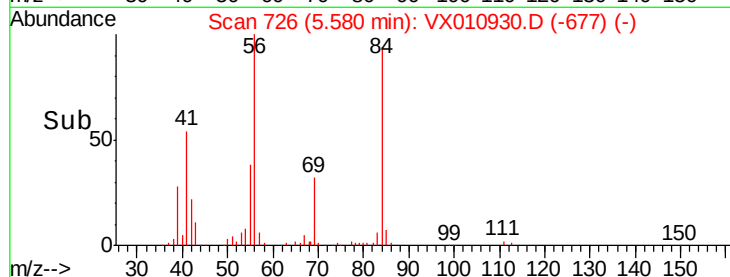
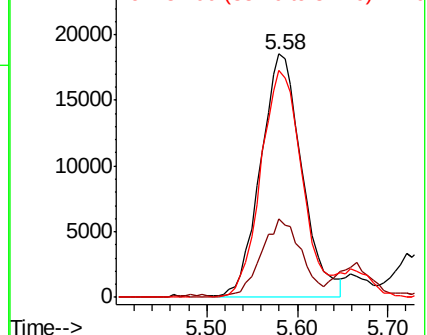
56 100

69 31.3 25.8 38.8

84 92.9 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: 48.984 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010930.D

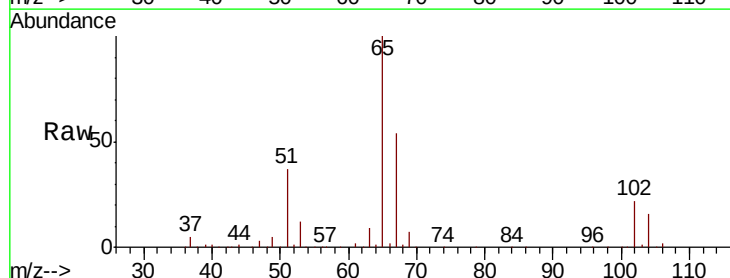
Acq: 17 Jul 2019 12:59

Tgt Ion: 65 Resp: 115912

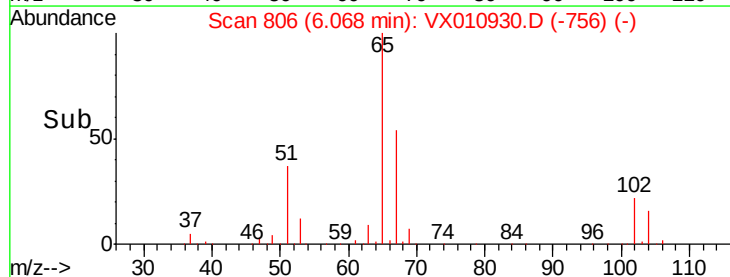
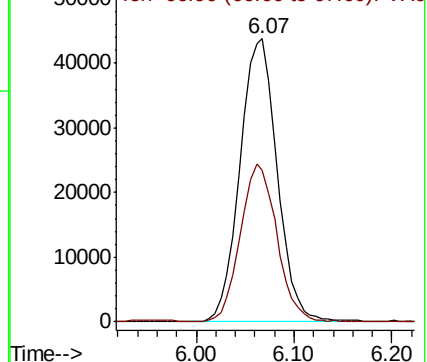
Ion Ratio Lower Upper

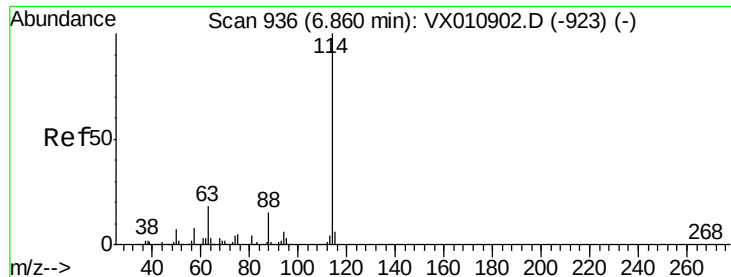
65 100

67 55.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

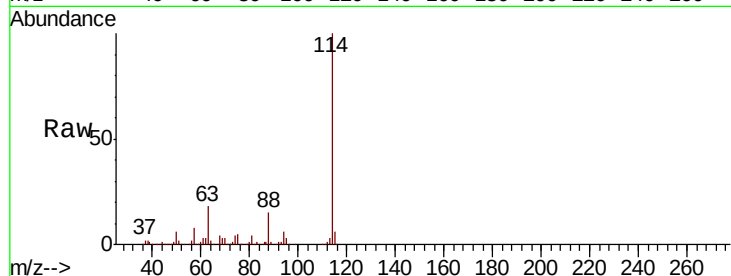
Tot Ion:114 Resp: 349209

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

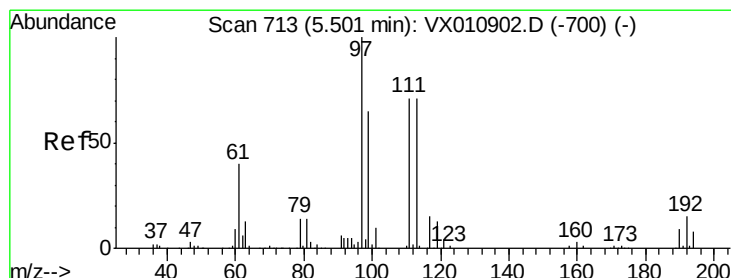
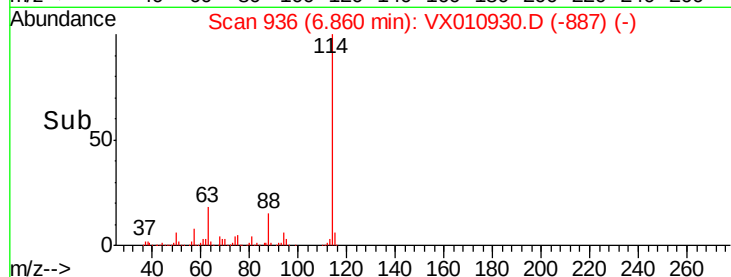
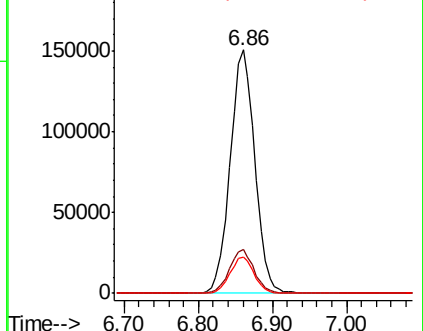
88 14.8 0.0 29.8



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



#35

Dibromofluoromethane

Concen: 48.894 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

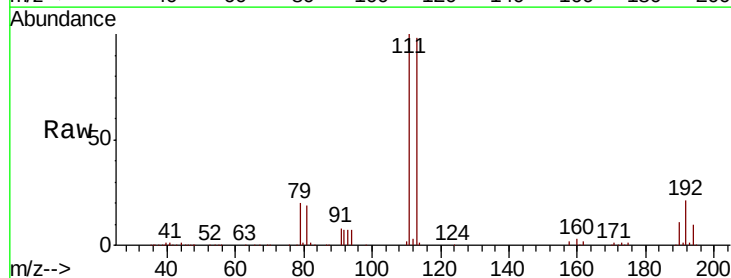
Tgt Ion:113 Resp: 108374

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

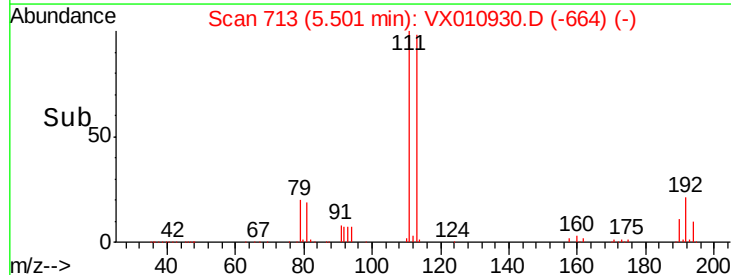
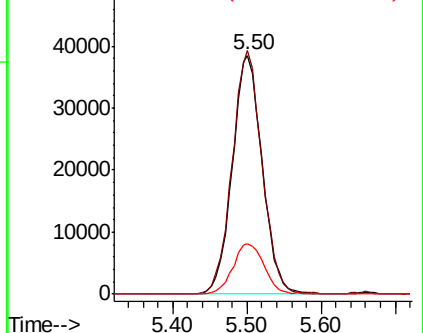
192 21.9 17.4 26.2

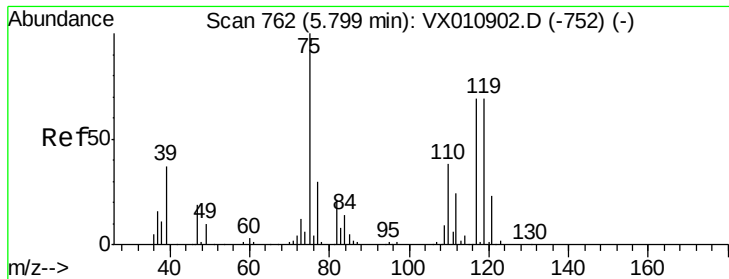


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

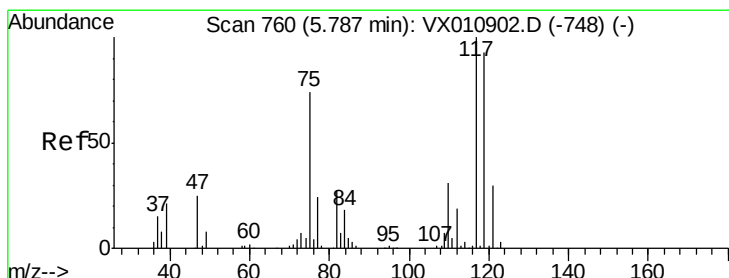
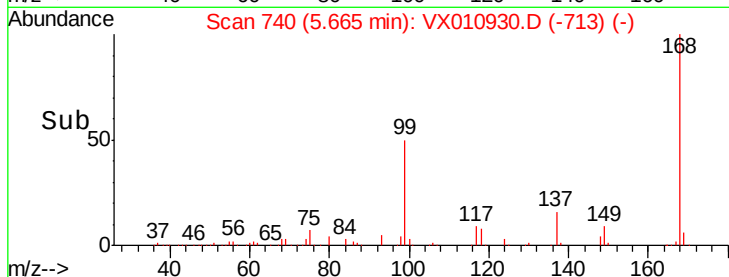
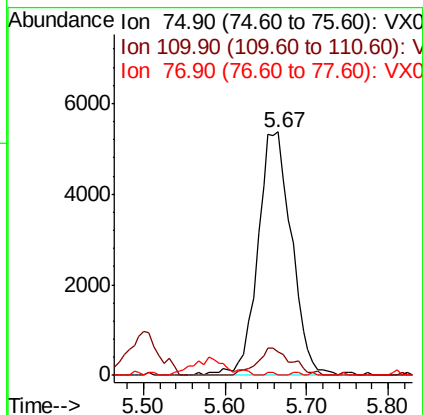
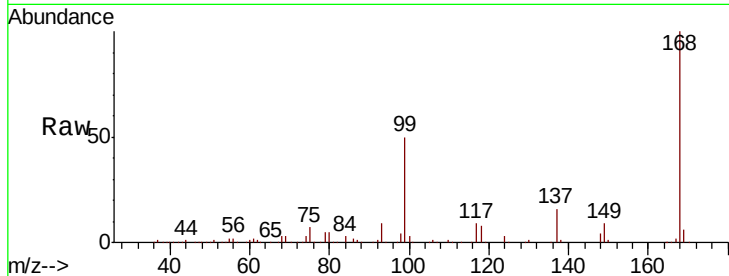




#36
 1,1-Dichloropropene
 Concen: 5.389 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010930.D
 Acq: 17 Jul 2019 12:59

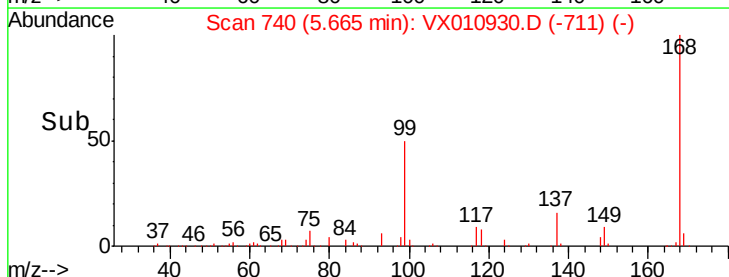
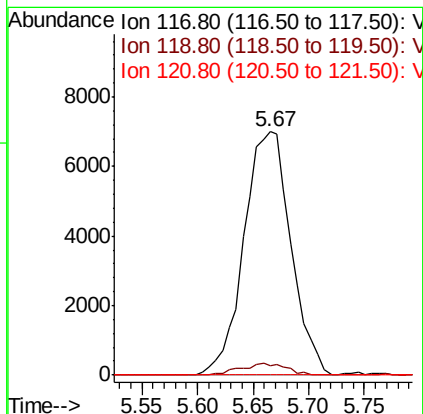
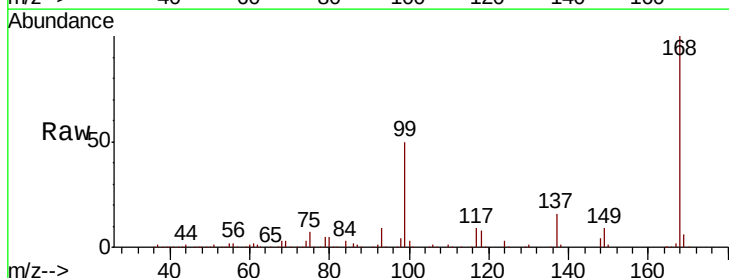
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0626

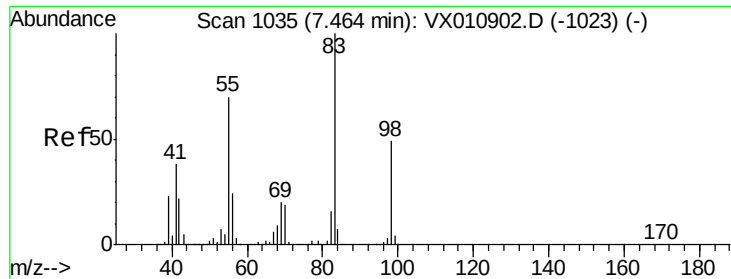
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	19.9	59.7#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.862 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010930.D
 Acq: 17 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.2	111.2#
121	0.0	24.2	36.2#

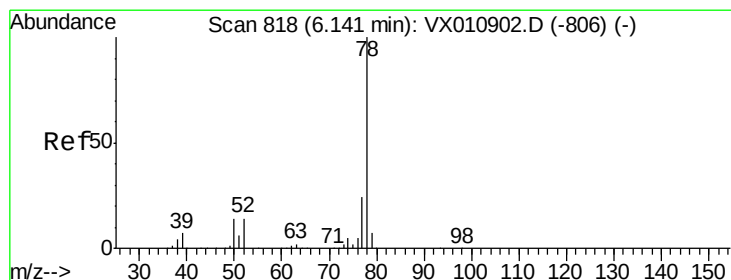
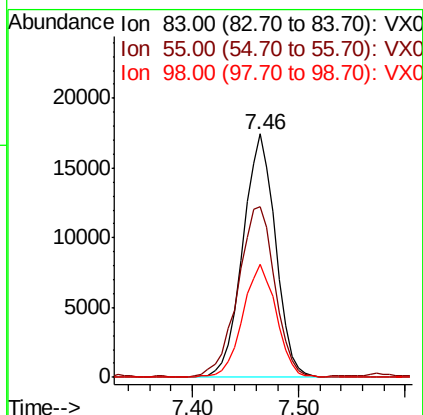
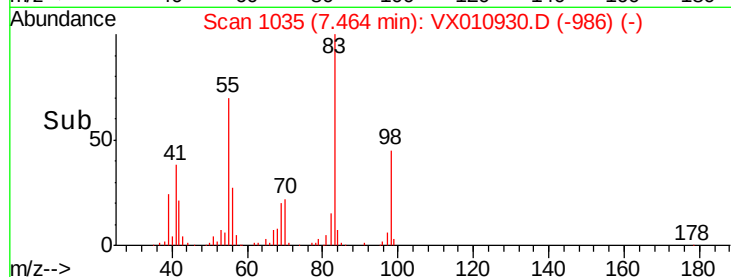
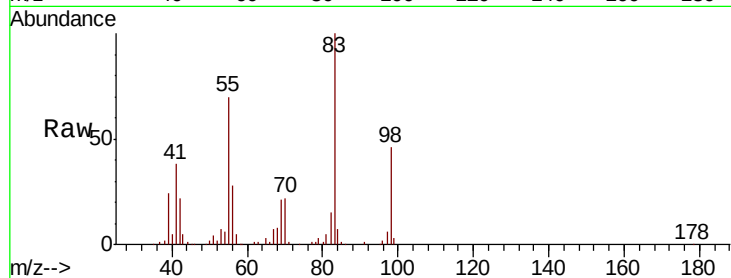




#39
Methylvlcyclohexane
Concen: 10.135 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

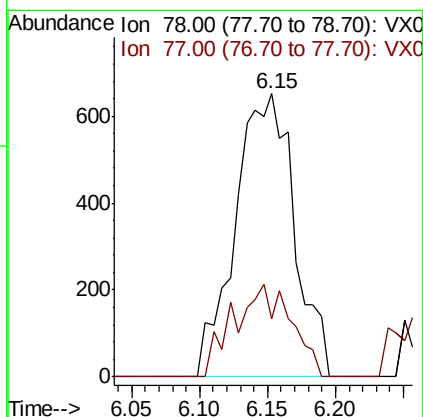
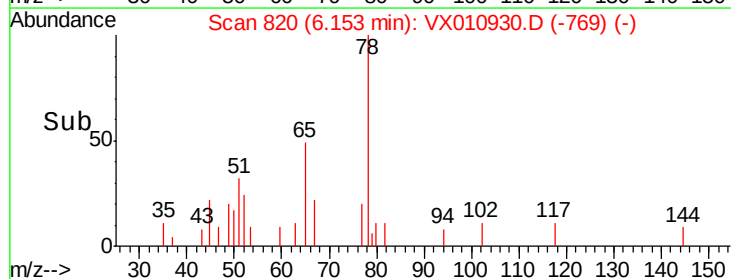
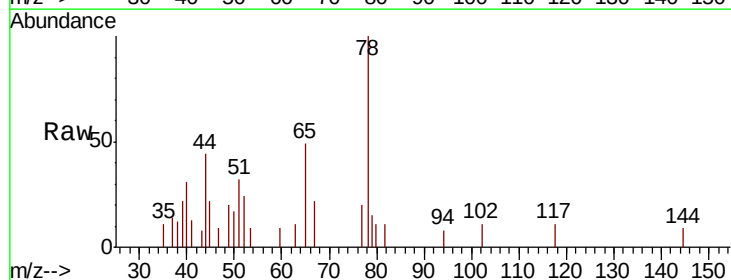
Instrument :
MSVOA_X
ClientSampled :
FL-0626

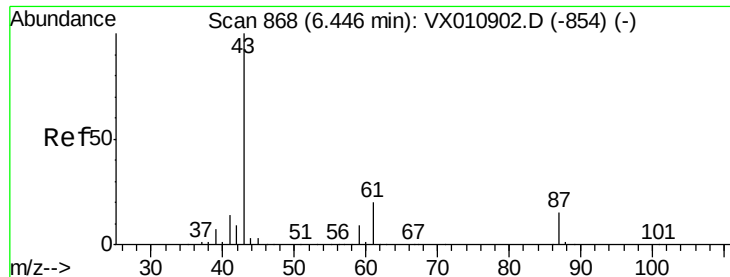
Tot Ion: 83 Resp: 37699
Ion Ratio Lower Upper
83 100
55 69.9 56.2 84.4
98 46.2 39.0 58.4



#40
Benzene
Concen: 0.224 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 78 Resp: 1972
Ion Ratio Lower Upper
78 100
77 20.4 19.0 28.6





#43

Isopropyl Acetate

Concen: 0.296 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

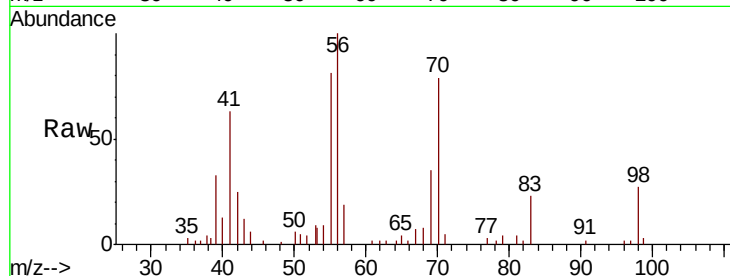
Tot Ion: 43 Resp: 1430

Ion Ratio Lower Upper

43 100

61 1.7 17.1 25.7#

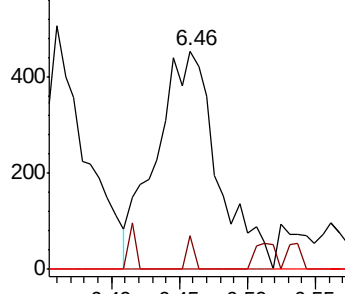
87 0.0 12.0 18.0#



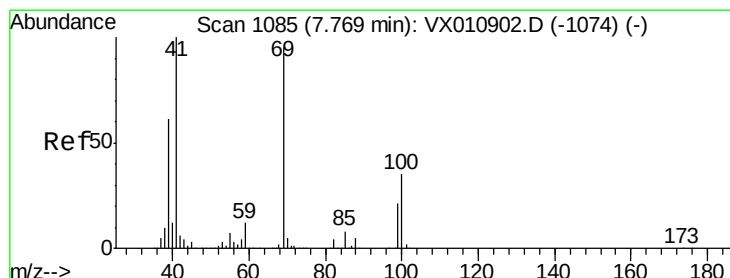
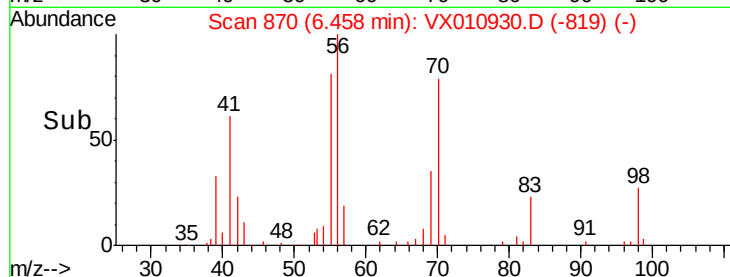
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#48

Methyl methacrylate

Concen: 1.678 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

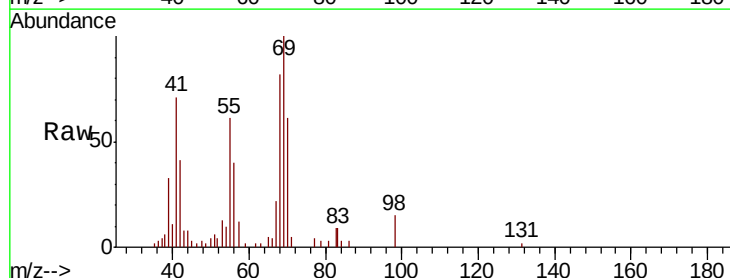
Tgt Ion: 41 Resp: 3948

Ion Ratio Lower Upper

41 100

69 169.4 74.4 111.6#

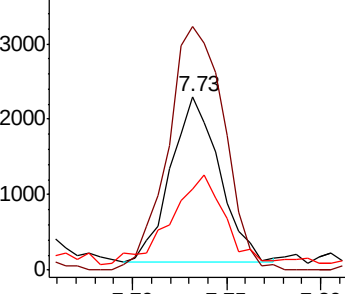
39 58.6 48.9 73.3



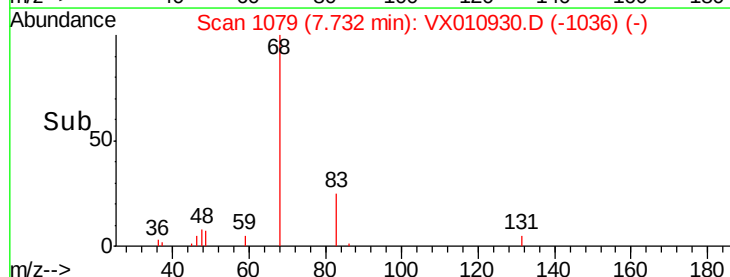
Abundance Ion 41.00 (40.70 to 41.70): VX0

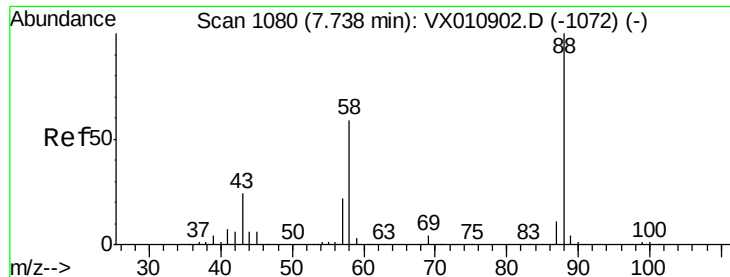
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

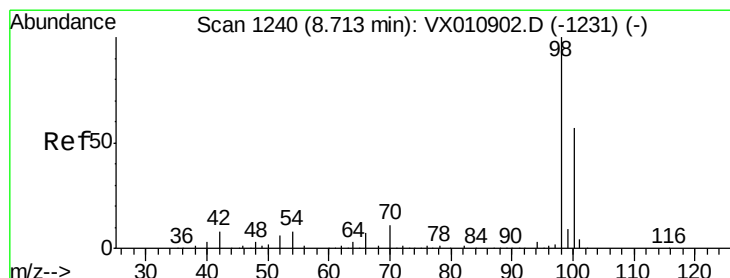
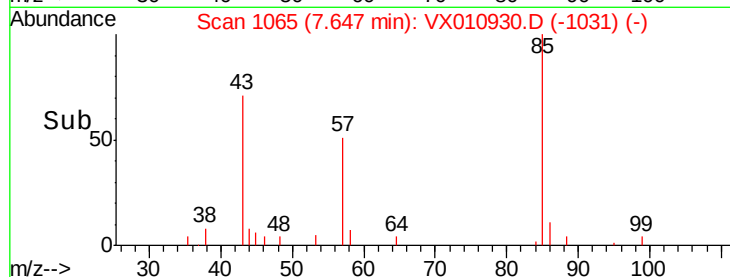
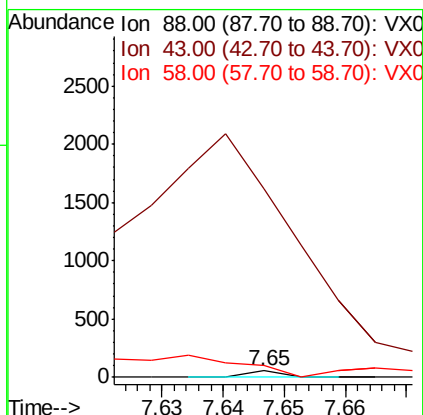
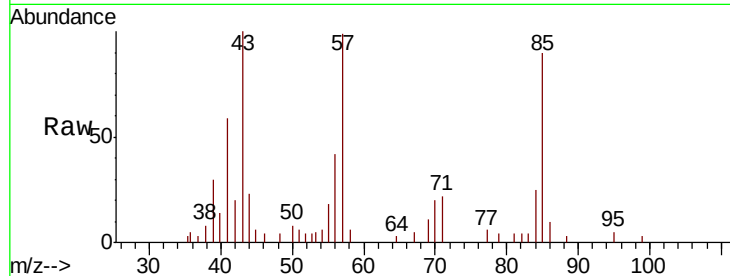




#49
1,4-Dioxane
Concen: 0.304 ug/l
RT: 7.65 min Scan# 1065
Delta R.T. -0.09 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

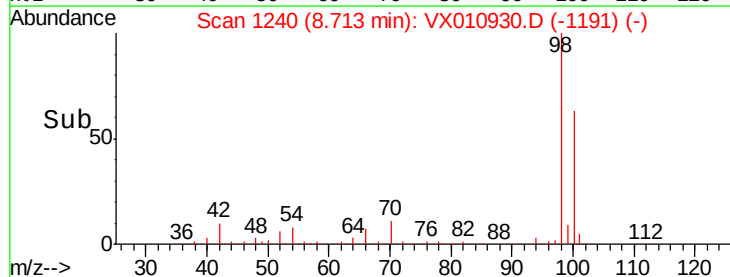
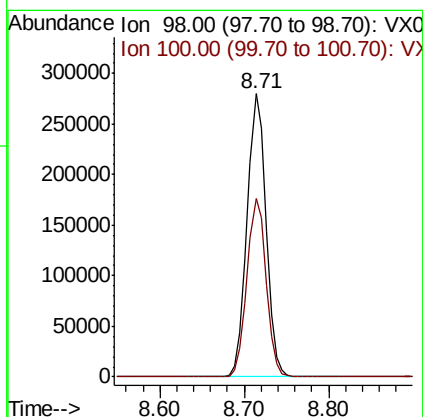
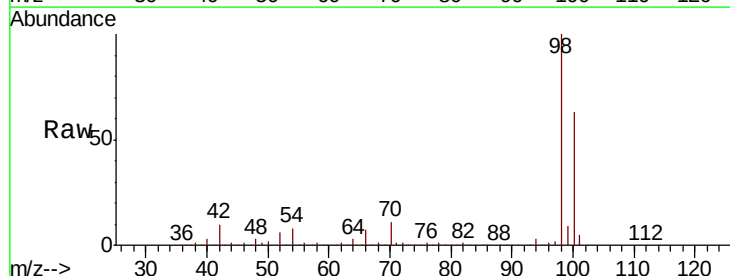
Instrument :
MSVOA_X
ClientSampled :
FL-0626

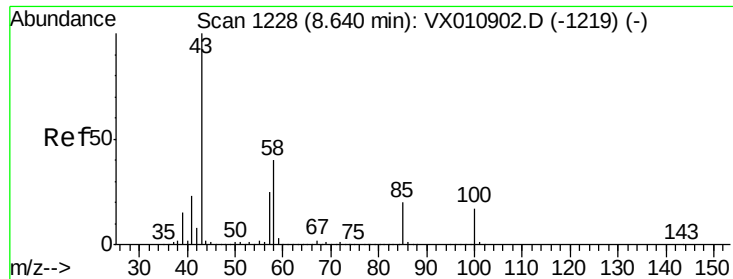
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 19775.0 22.9 34.3#
58 1480.0 49.8 74.8#



#50
Toluene-d8
Concen: 50.599 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 98 Resp: 420644
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8

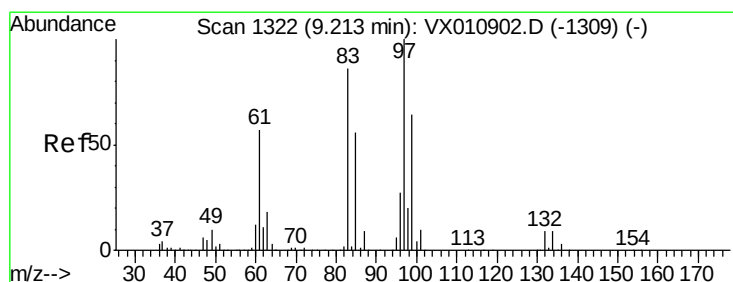
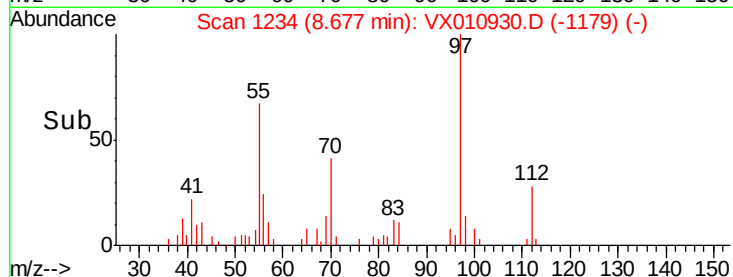
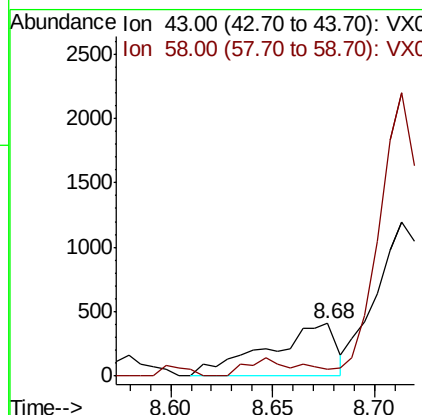
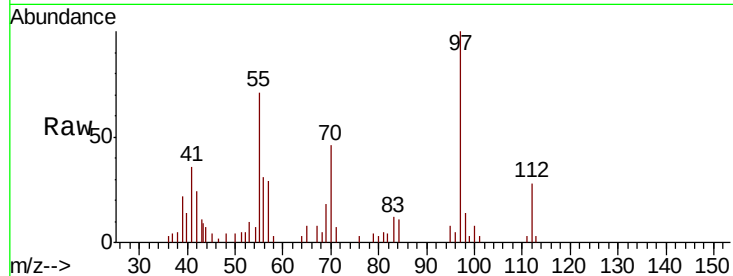




#51
4-Methyl-2-Pentanone
Concen: 0.304 ug/l
RT: 8.68 min Scan# 1234
Delta R.T. 0.04 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

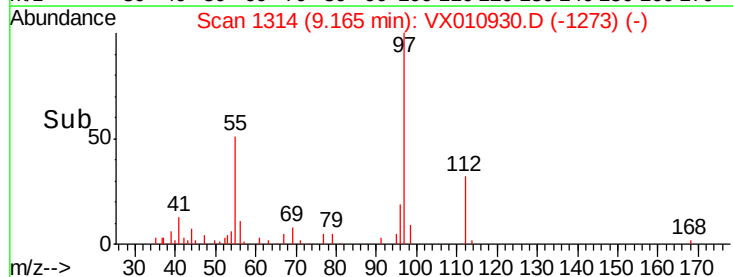
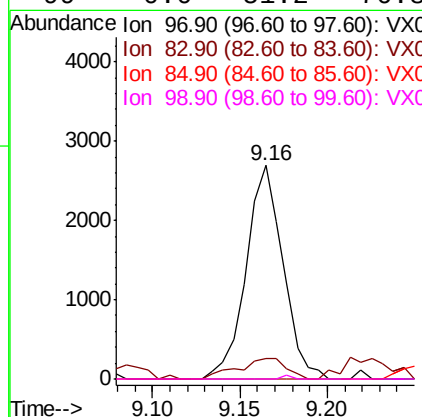
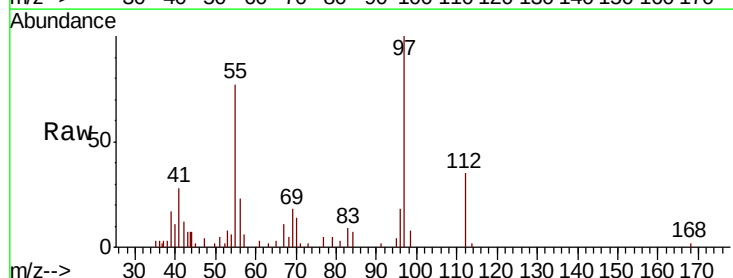
Instrument :
MSVOA_X
ClientSampled :
FL-0626

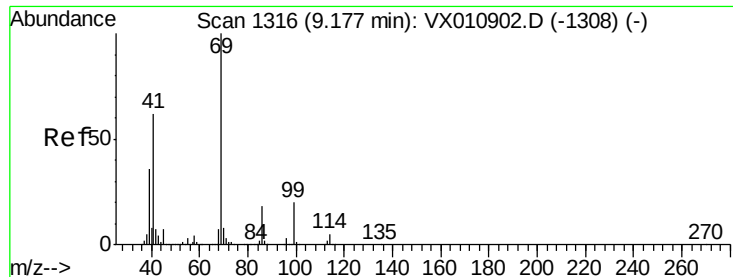
Tot Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#55
1,1,2-Trichloroethane
Concen: 1.656 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 97 Resp: 3936
Ion Ratio Lower Upper
97 100
83 9.4 69.2 103.8#
85 0.0 44.6 66.8#
99 0.0 51.2 76.8#





#56

Ethyl methacrylate

Concen: 0.262 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

FL-0626

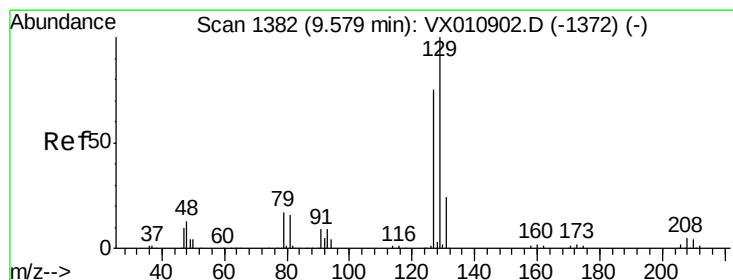
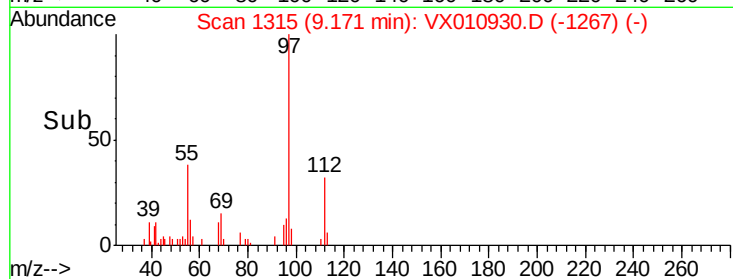
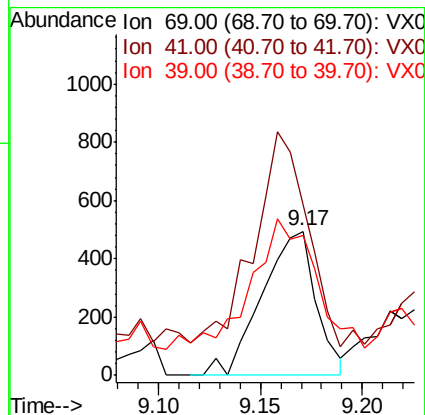
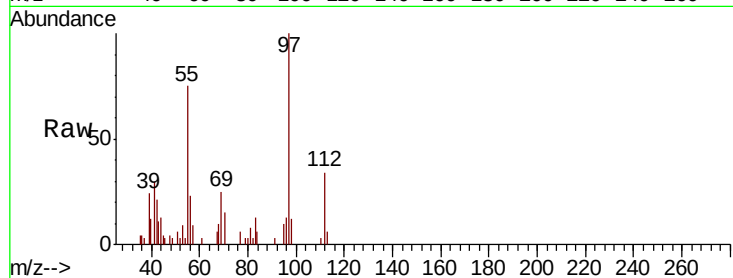
Tot Ion: 69.00 Resp: 912

Ion Ratio Lower Upper

69 100

41 143.8 49.7 74.5#

39 107.0 29.6 44.4#



#60

Dibromochloromethane

Concen: 2.572 ug/l

RT: 9.35 min Scan# 1344

Delta R.T. -0.23 min

Lab File: VX010930.D

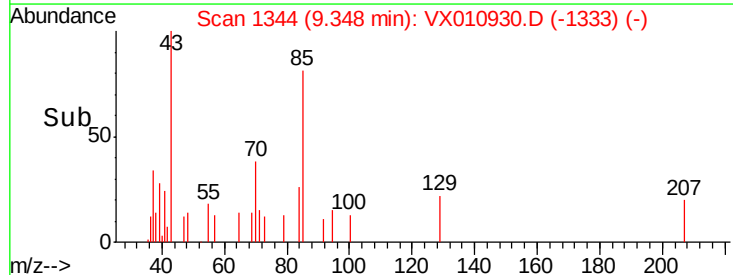
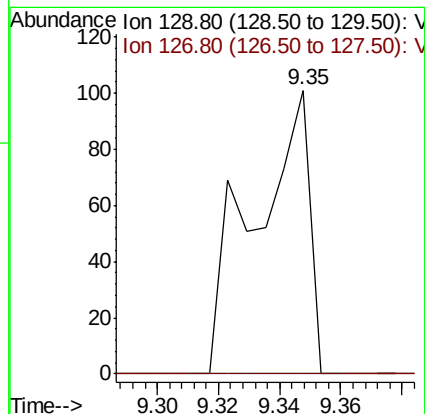
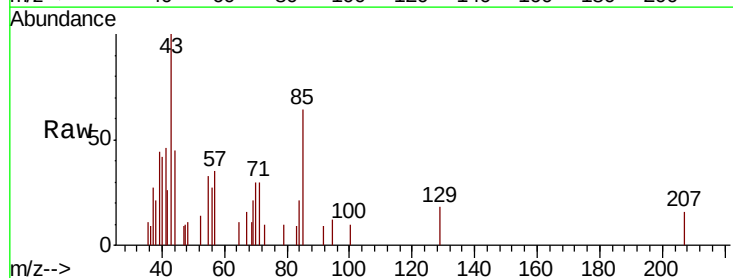
Acq: 17 Jul 2019 12:59

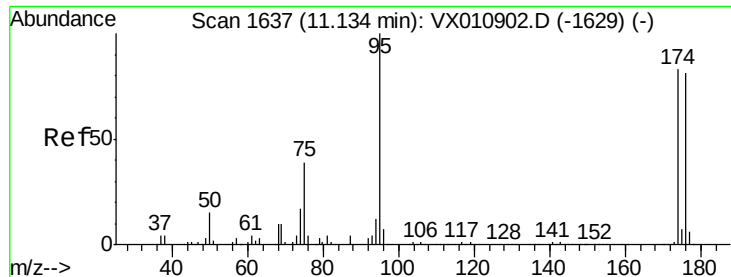
Tgt Ion: 129 Resp: 127

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 49.134 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

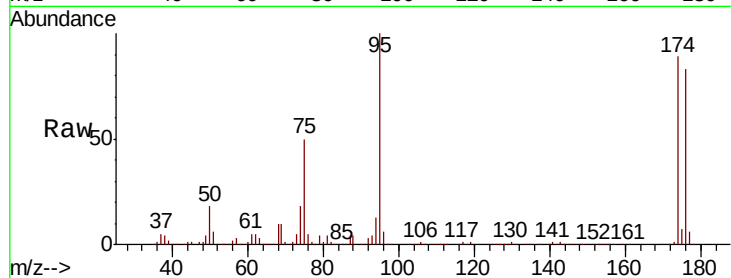
Tot Ion: 95 Resp: 150140

Ion Ratio Lower Upper

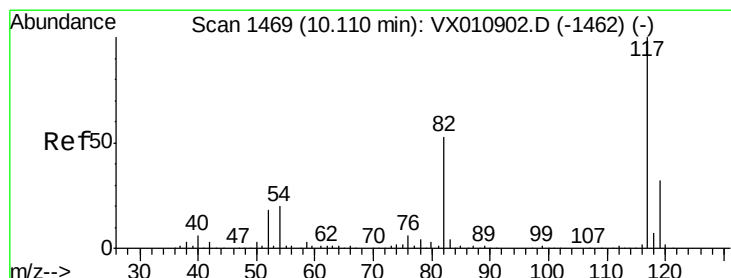
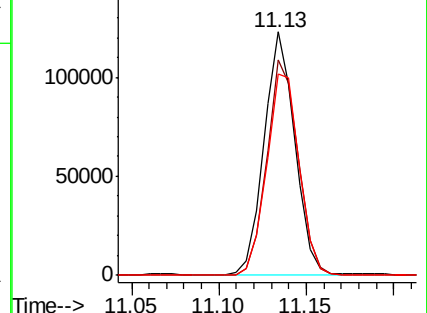
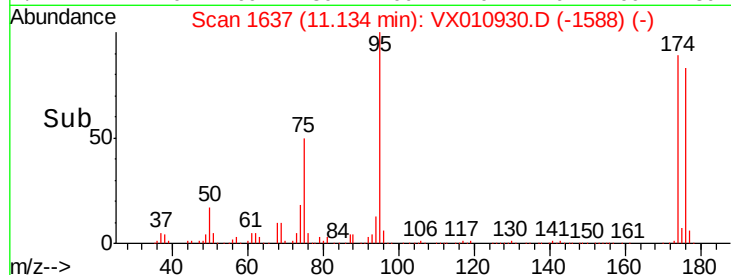
95 100

174 90.3 0.0 180.6

176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010930.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

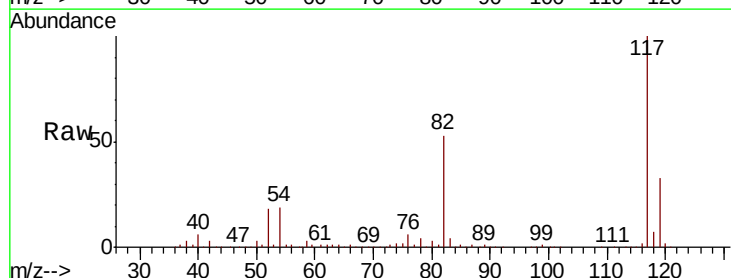
Tgt Ion: 117 Resp: 323796

Ion Ratio Lower Upper

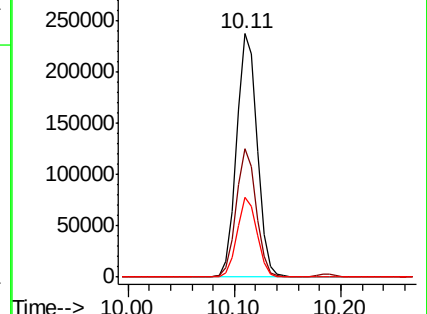
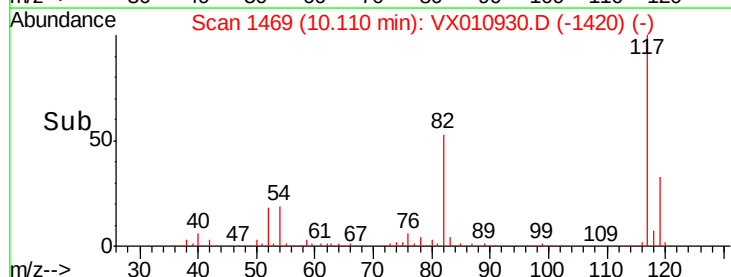
117 100

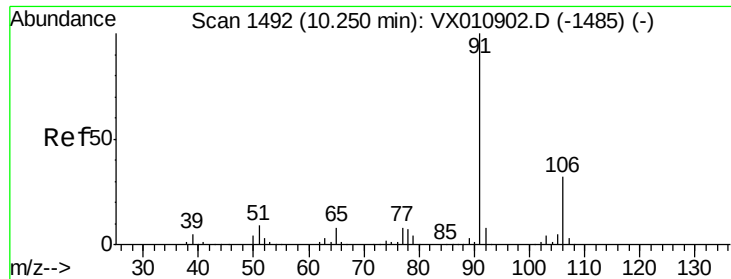
82 52.6 42.6 63.8

119 32.6 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VX010930.D (-1420) (-)

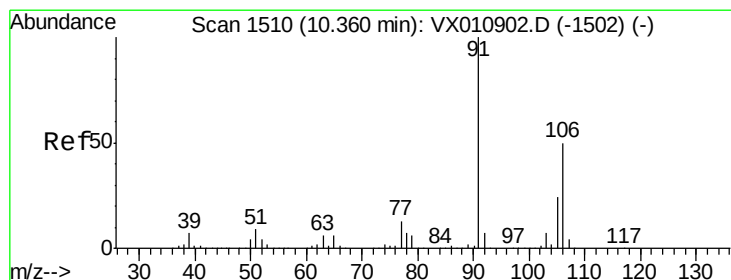
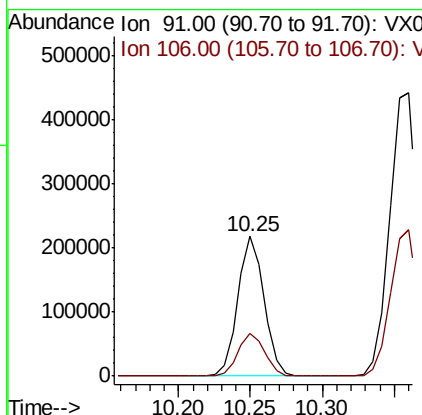
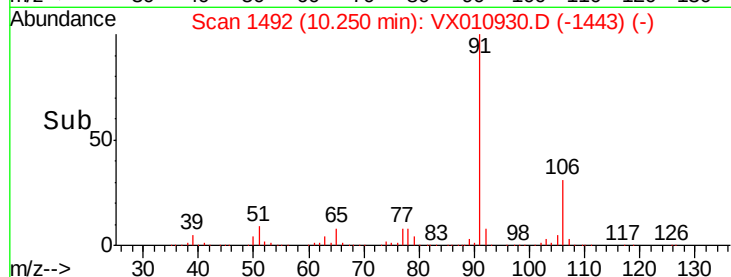
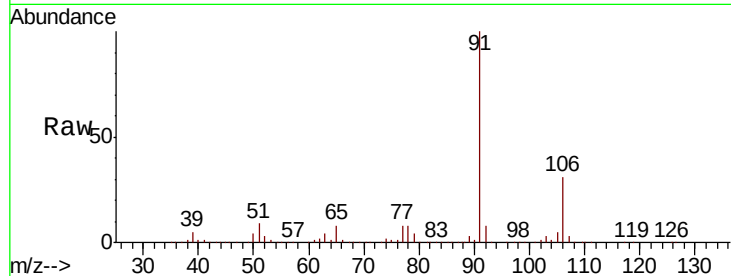




#67
Ethyl Benzene
Concen: 24.508 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

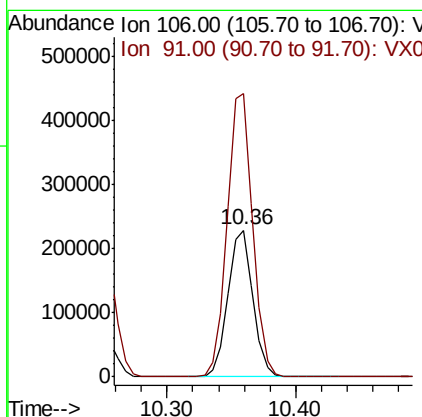
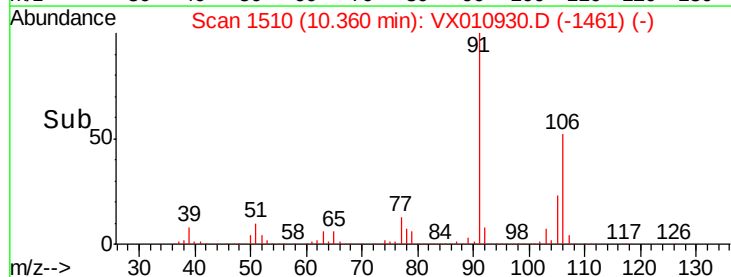
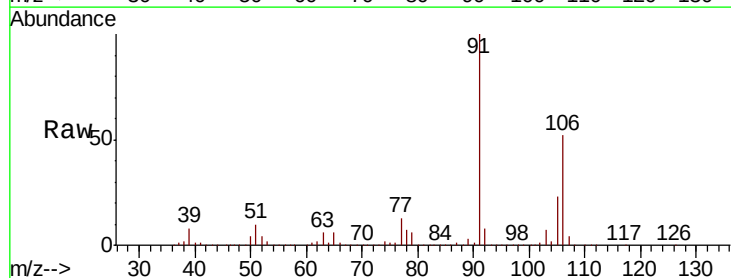
Instrument :
MSVOA_X
ClientSampled :
FL-0626

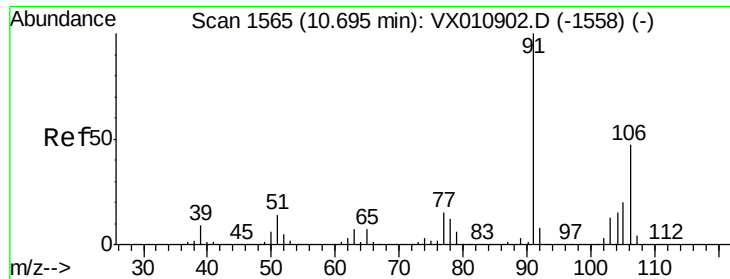
Tot Ion: 91 Resp: 277429
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2



#68
m/p-Xylenes
Concen: 71.742 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 106 Resp: 311519
Ion Ratio Lower Upper
106 100
91 197.5 160.1 240.1

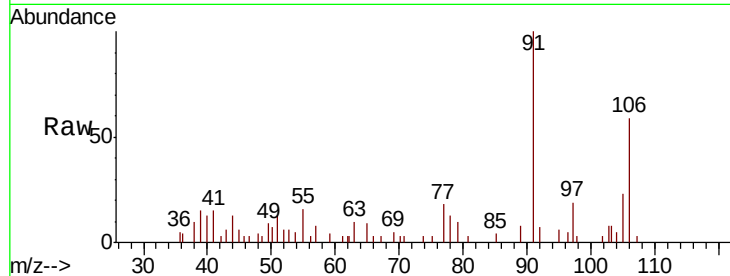




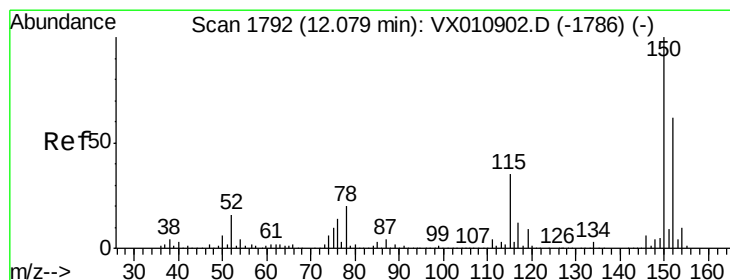
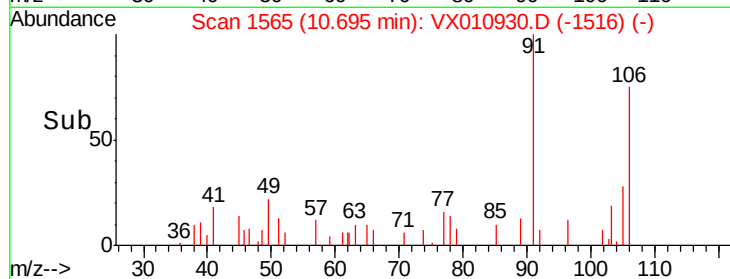
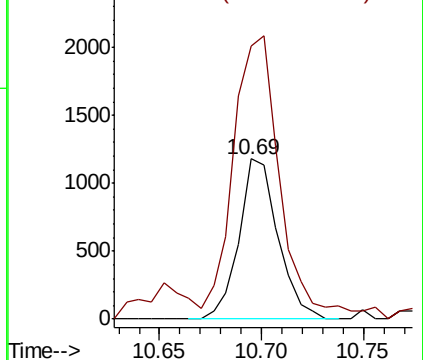
#69
o-Xylene
Concen: 0.370 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampled :
FL-0626

Tot Ion:106 Resp: 1568
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.3

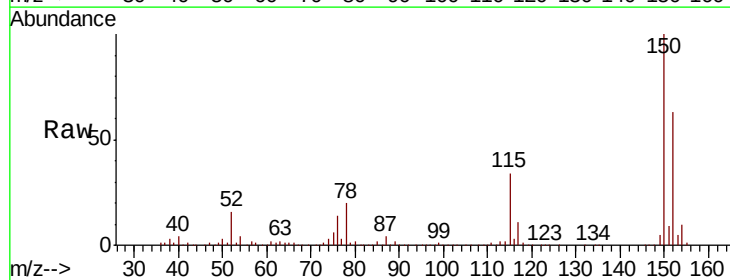


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

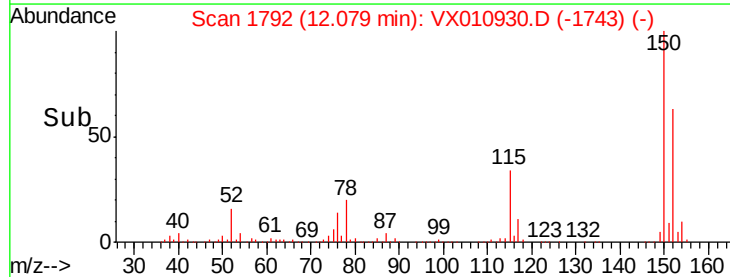
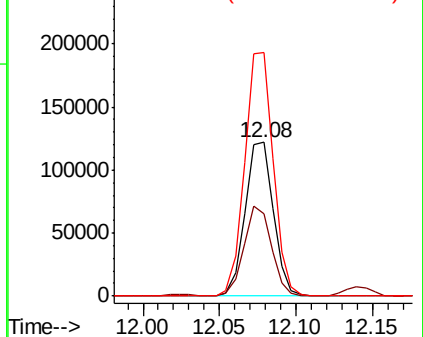


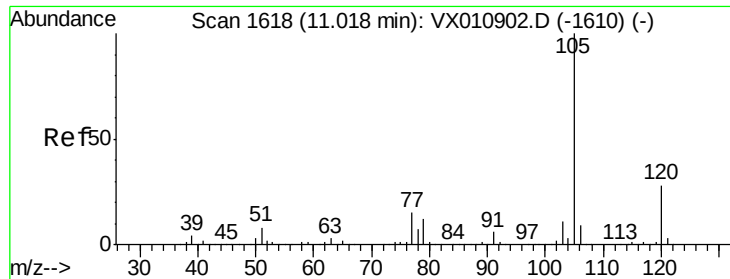
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion:152 Resp: 156906
Ion Ratio Lower Upper
152 100
115 56.5 39.7 119.1
150 159.1 0.0 345.6



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: 6.043 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

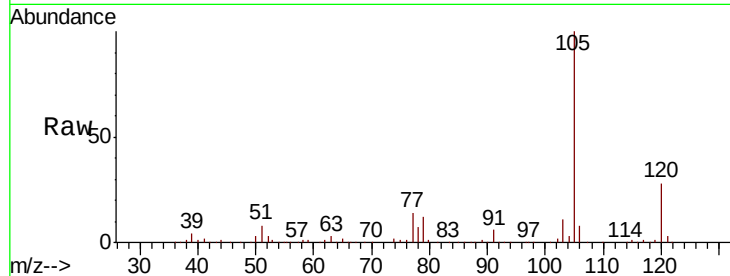
FL-0626

Tot Ion:105 Resp: 64067

Ion Ratio Lower Upper

105 100

120 27.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

10000

0

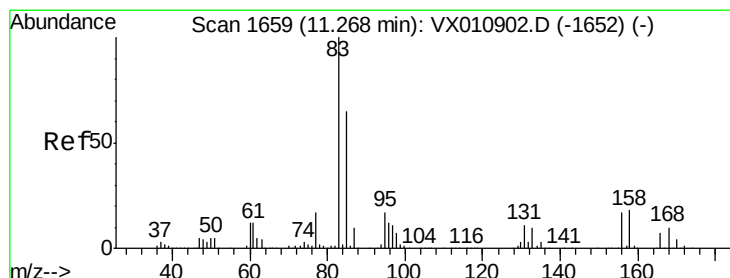
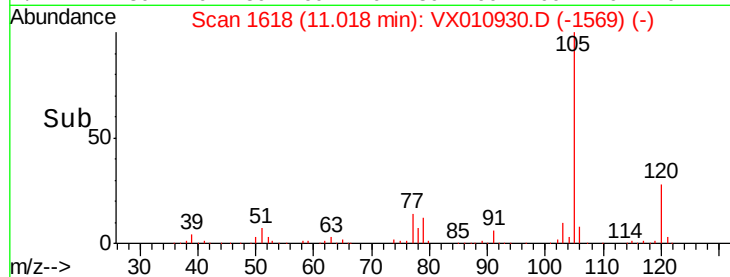
11.02

10.95

11.00

11.05

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 0.235 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

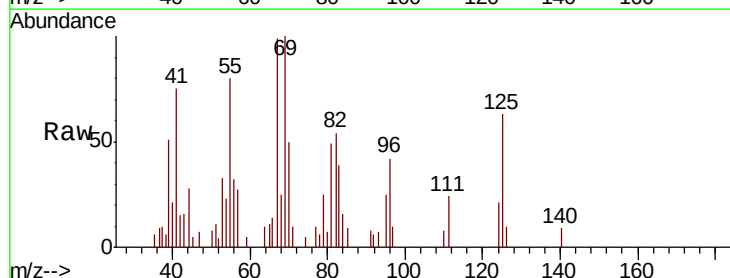
Tgt Ion: 83 Resp: 817

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 8.2 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

600

500

400

300

200

100

0

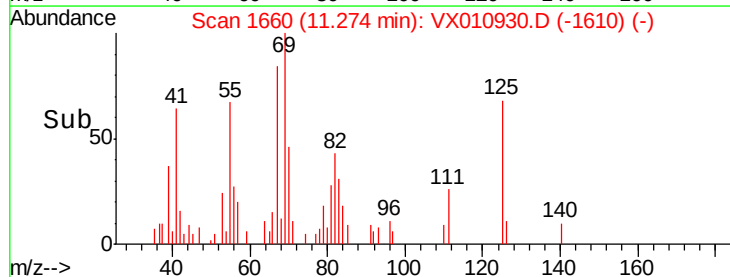
11.27

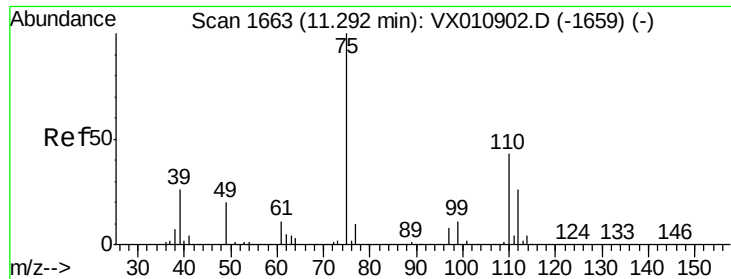
11.20

11.25

11.30

Time-->





#76

1,2,3-Trichloropropane

Concen: 1.086 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

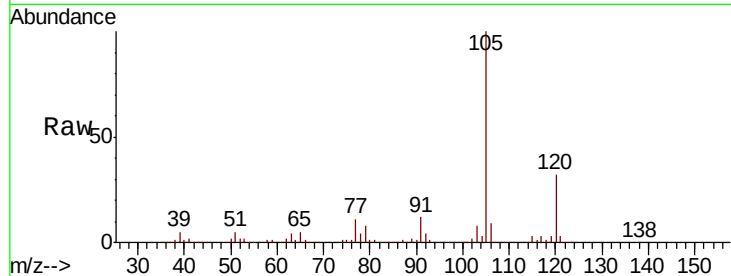
FL-0626

Tot Ion: 75 Resp: 3076

Ion Ratio Lower Upper

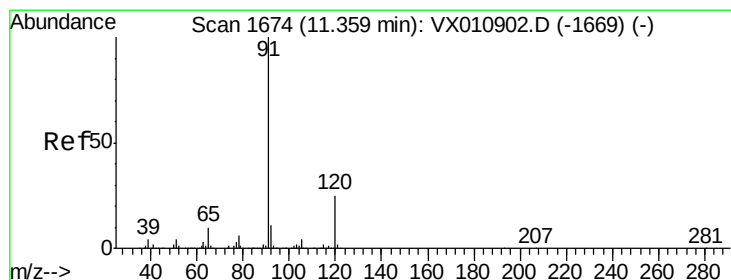
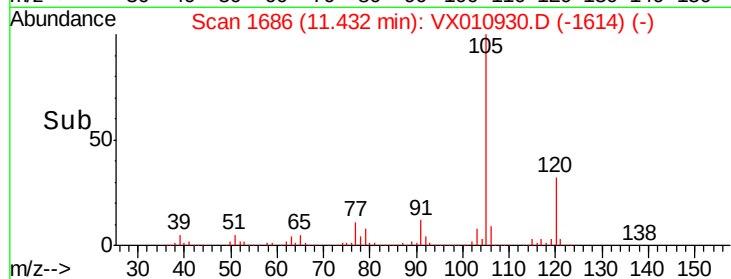
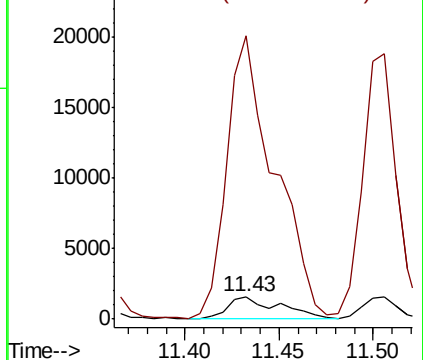
75 100

77 1139.9 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: 6.172 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010930.D

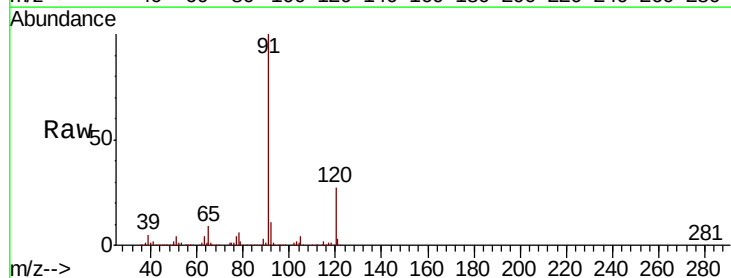
Acq: 17 Jul 2019 12:59

Tgt Ion: 91 Resp: 72303

Ion Ratio Lower Upper

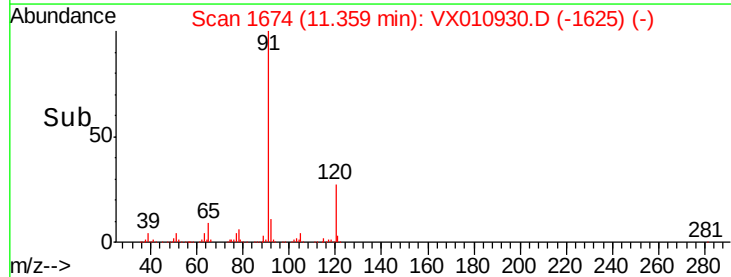
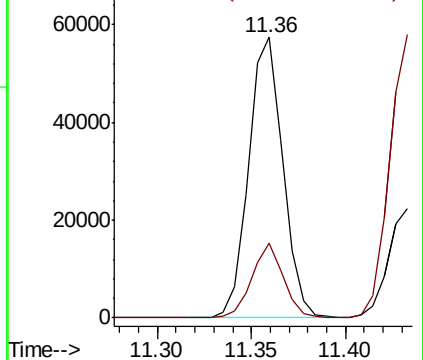
91 100

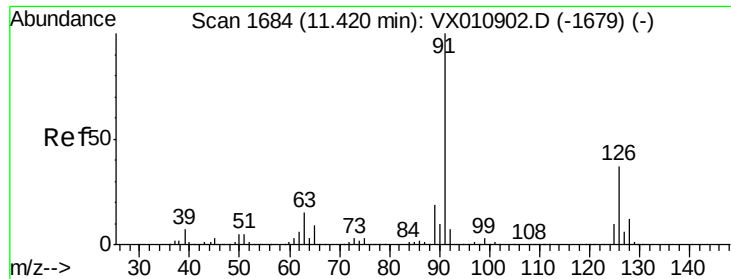
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.607 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

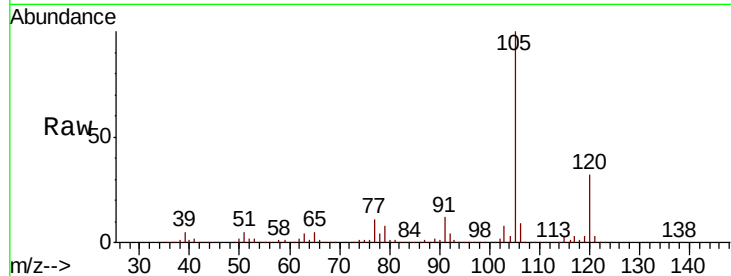
FL-0626

Tot Ion: 91 Resp: 39458

Ion Ratio Lower Upper

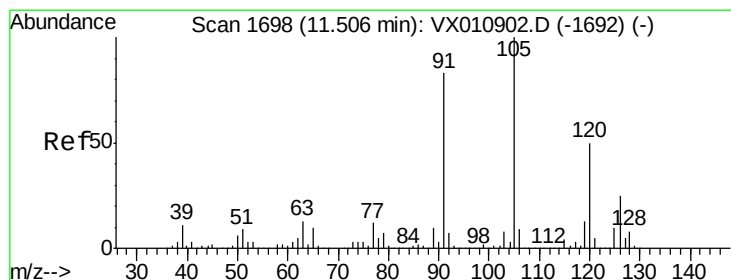
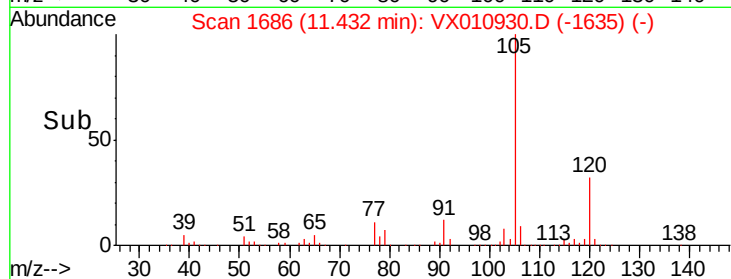
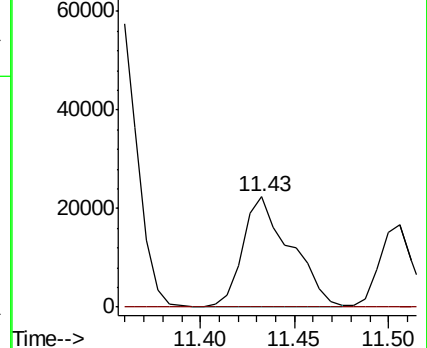
91 100

126 0.1 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.271 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010930.D

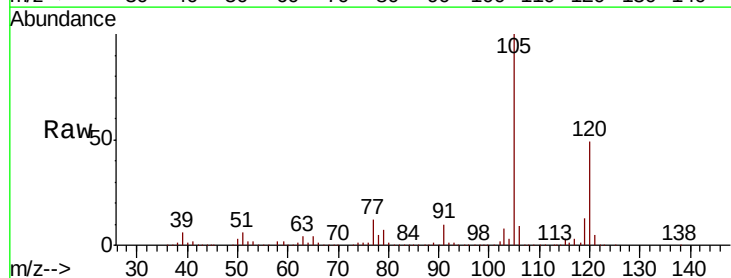
Acq: 17 Jul 2019 12:59

Tgt Ion:105 Resp: 197301

Ion Ratio Lower Upper

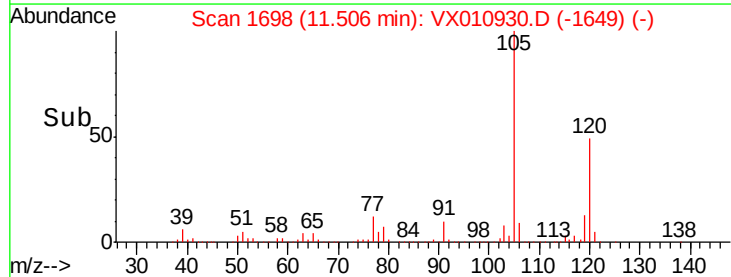
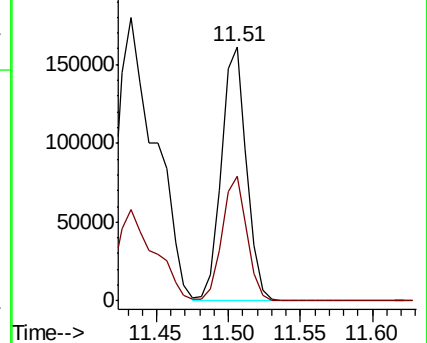
105 100

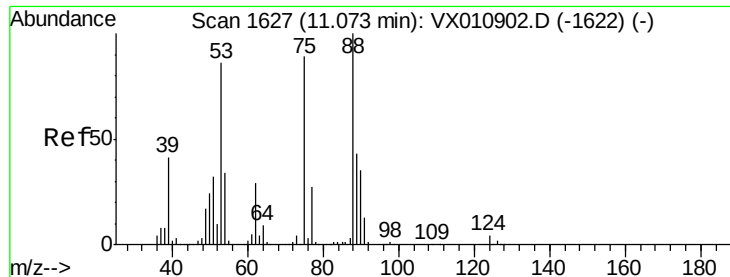
120 48.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

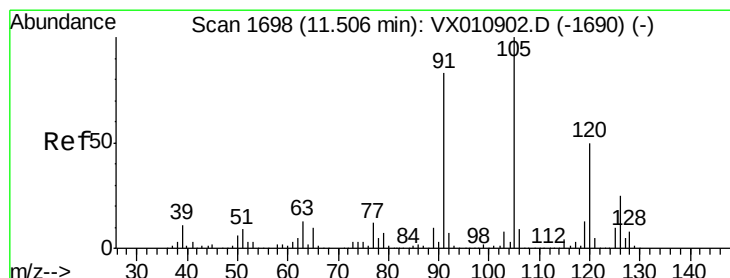
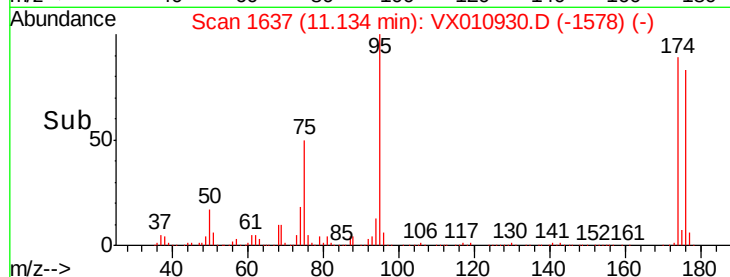
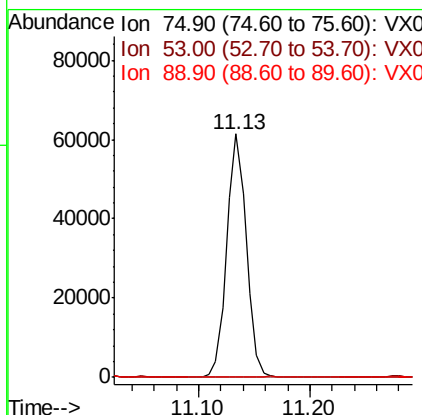
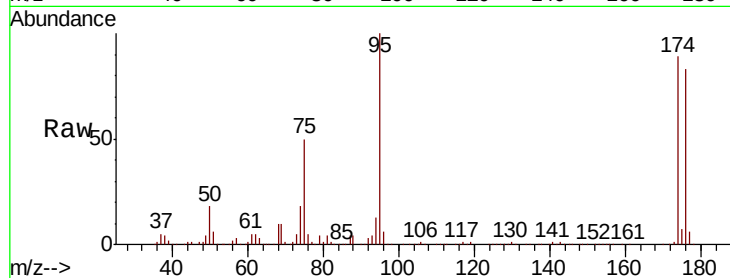




#81
trans-1,4-Dichloro-2-butene
Concen: 65.574 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

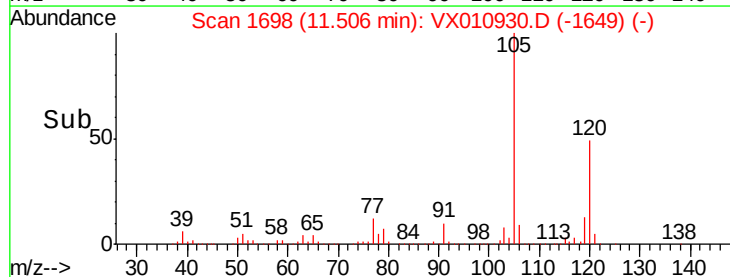
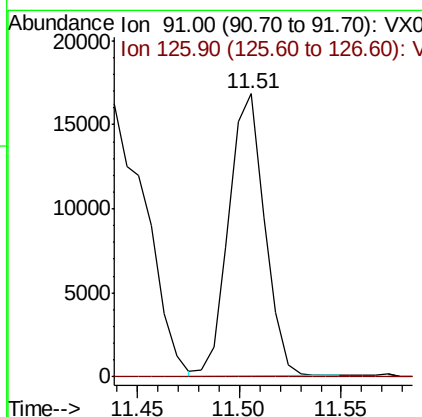
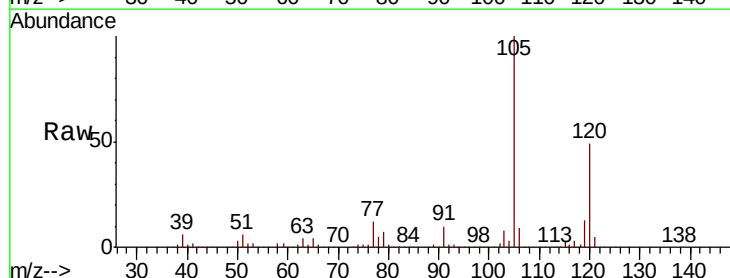
Instrument :
MSVOA_X
ClientSampled :
FL-0626

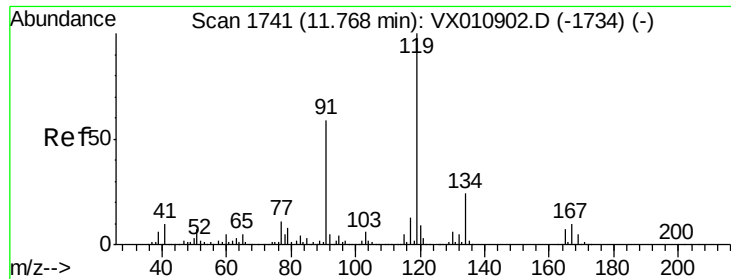
Tot Ion: 75 Resp: 74790
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.1 38.5 57.7#



#82
4-Chlorotoluene
Concen: 2.482 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 91 Resp: 20329
Ion Ratio Lower Upper
91 100
126 0.1 15.9 47.7#

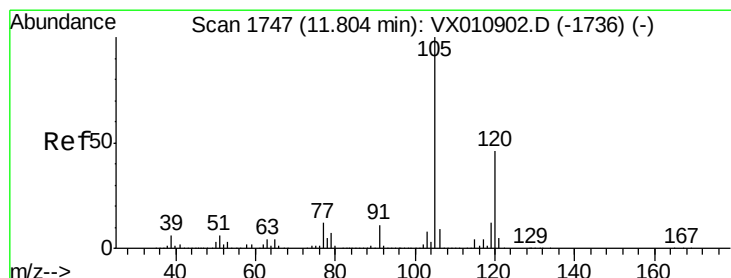
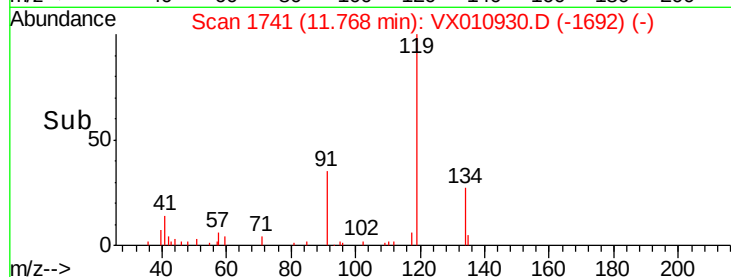
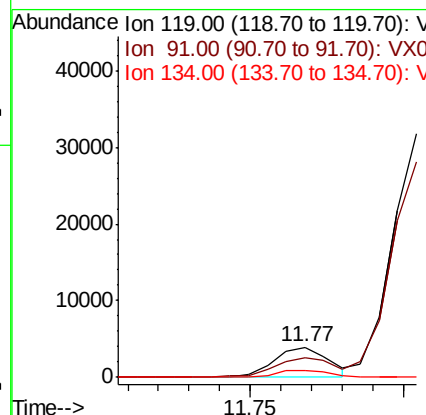
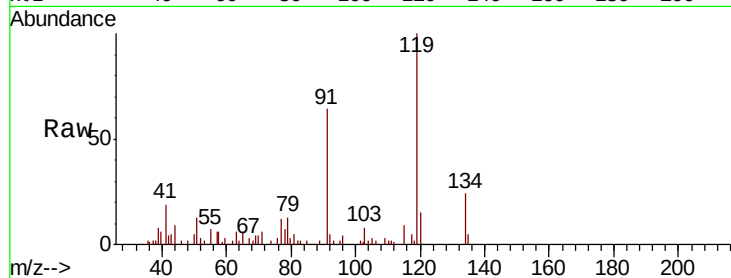




#83
tert-Butylbenzene
Concen: 0.560 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

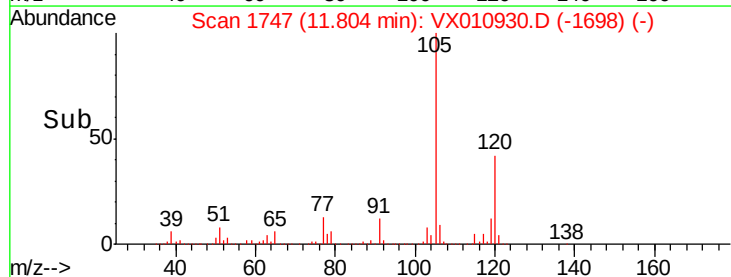
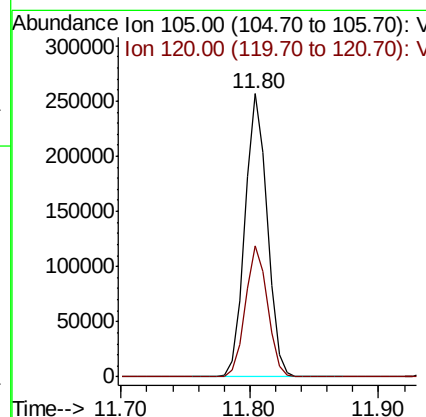
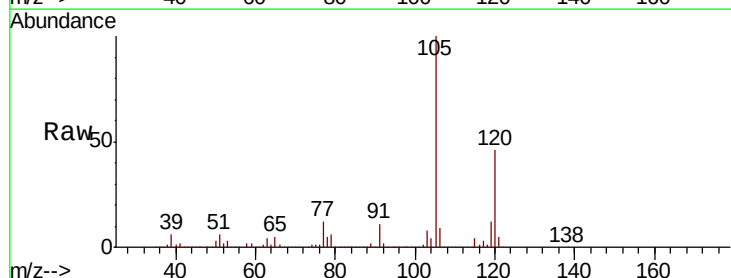
Instrument :
MSVOA_X
ClientSampleId :
FL-0626

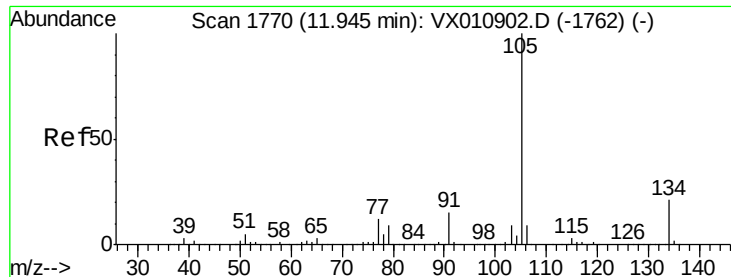
Tot Ion:119 Resp: 4869
Ion Ratio Lower Upper
119 100
91 66.5 28.6 85.8
134 24.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 34.113 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion:105 Resp: 304601
Ion Ratio Lower Upper
105 100
120 46.5 22.9 68.5

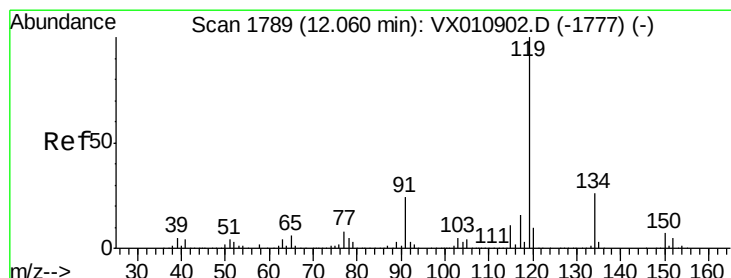
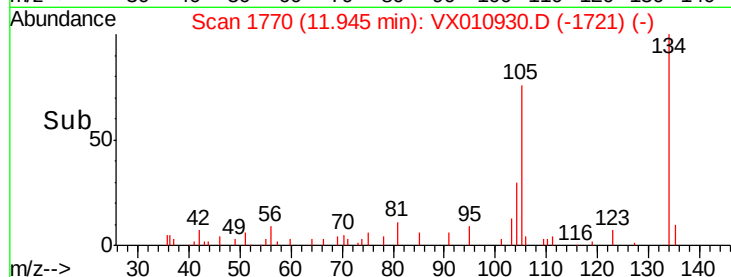
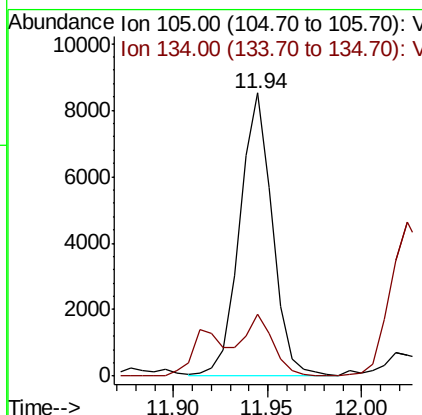
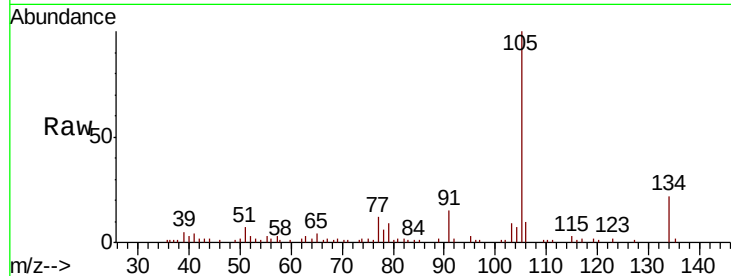




#85
 sec-Butylbenzene
 Concen: 1.004 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010930.D
 Acq: 17 Jul 2019 12:59

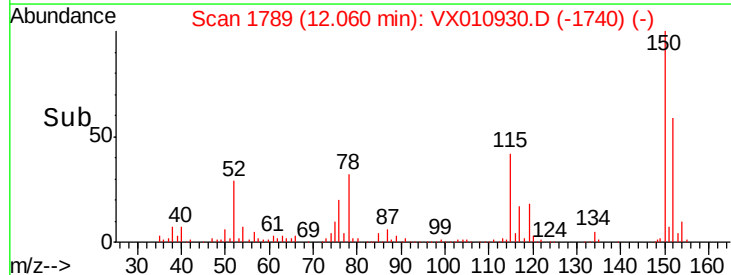
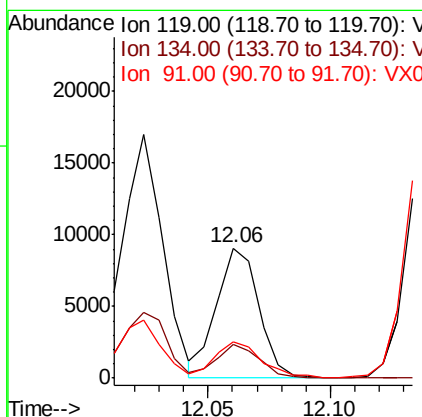
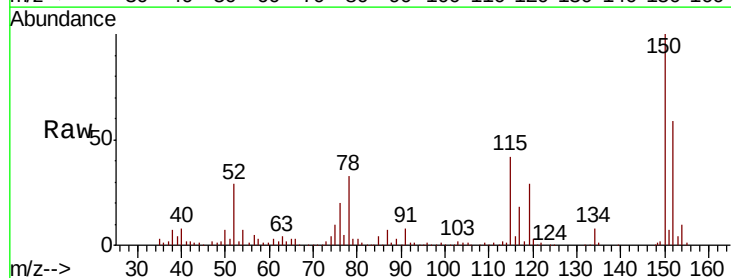
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0626

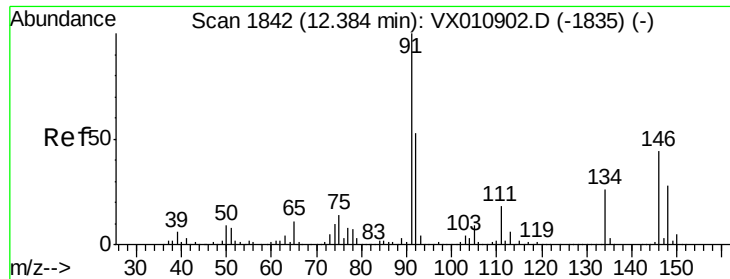
Tot Ion:105 Resp: 10236
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 1.160 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010930.D
 Acq: 17 Jul 2019 12:59

Tgt Ion:119 Resp: 10937
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 30.8 11.8 35.4





#89

n-Butylbenzene

Concen: 0.992 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

FL-0626

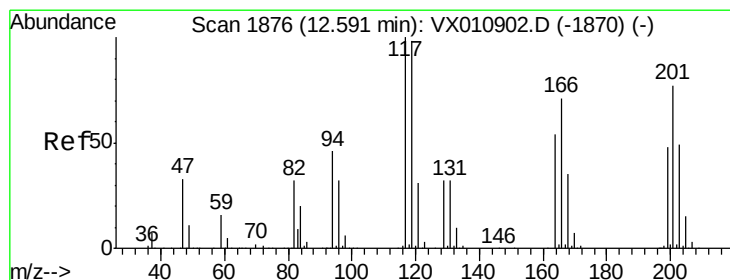
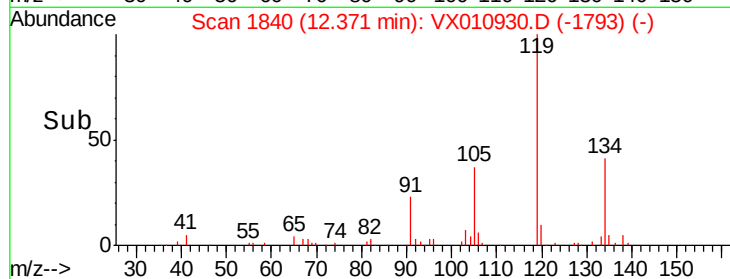
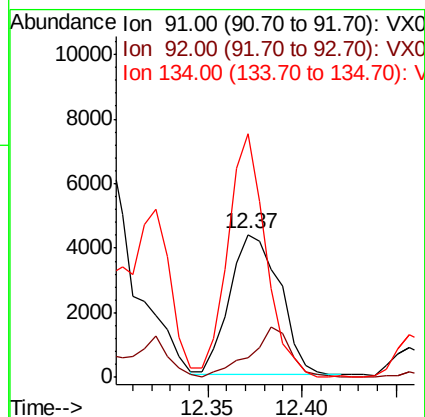
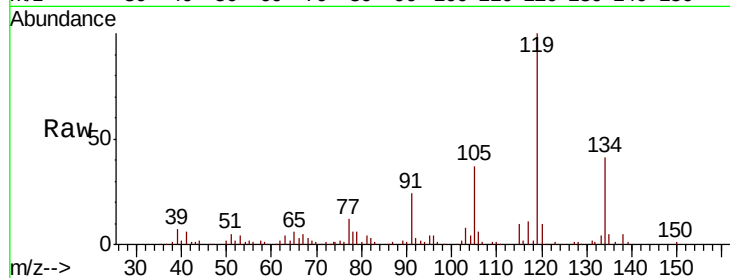
Tot Ion: 91 Resp: 8003

Ion Ratio Lower Upper

91 100

92 29.3 26.2 78.5

134 132.0 13.8 41.3#



#90

Hexachloroethane

Concen: 2.230 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX010930.D

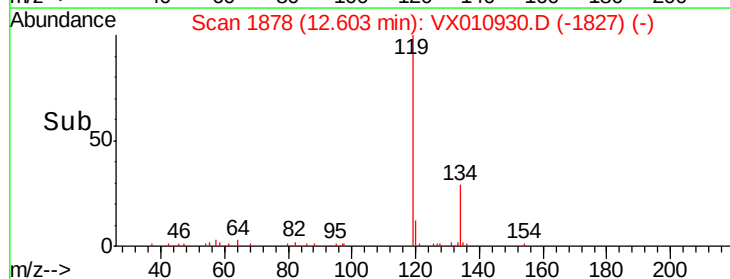
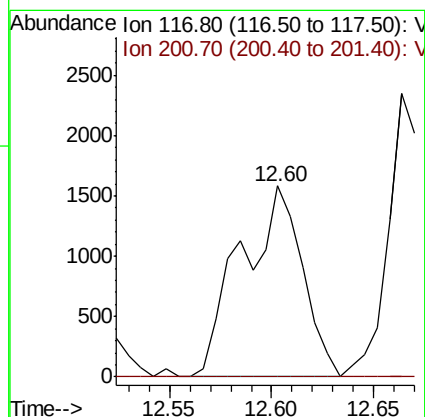
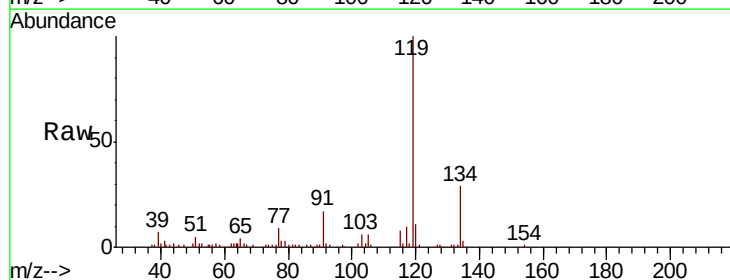
Acq: 17 Jul 2019 12:59

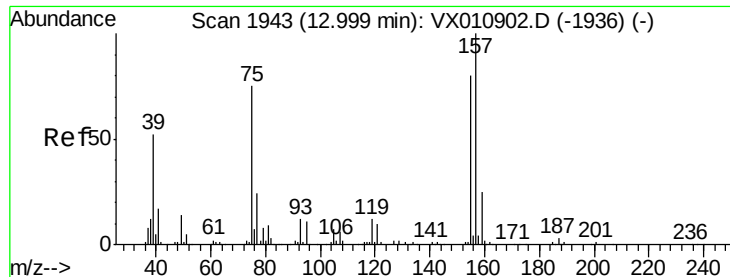
Tgt Ion: 117 Resp: 3315

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.427 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

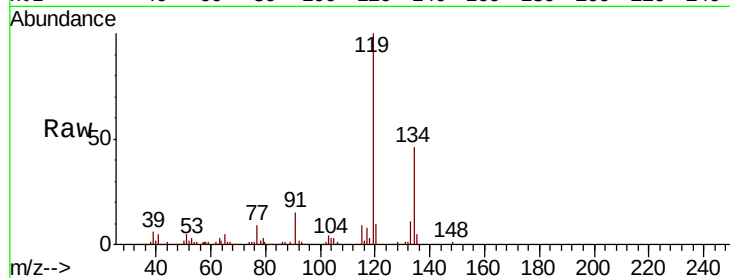
Tot Ion: 75 Resp: 310

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 62.5 187.6#

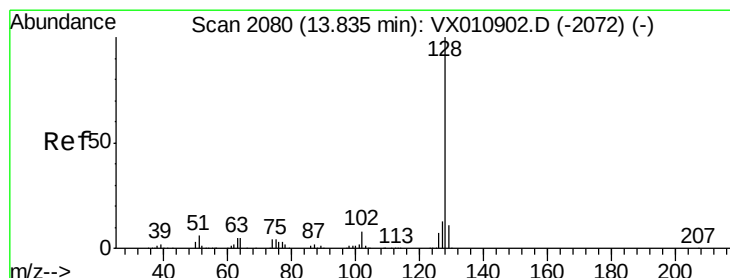
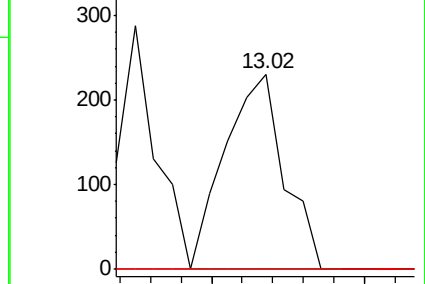
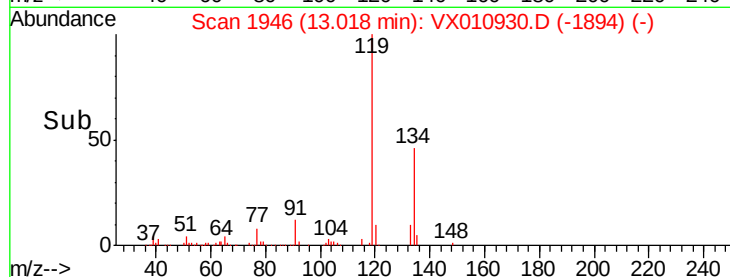


Abundance Ion 74.90 (74.60 to 75.60): VX010902.D (-1936) (-)

Ion 154.80 (154.50 to 155.50): VX010902.D (-1936) (-)

Ion 156.80 (156.50 to 157.50): VX010902.D (-1936) (-)

Time-->



#95

Naphthalene

Concen: 19.006 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

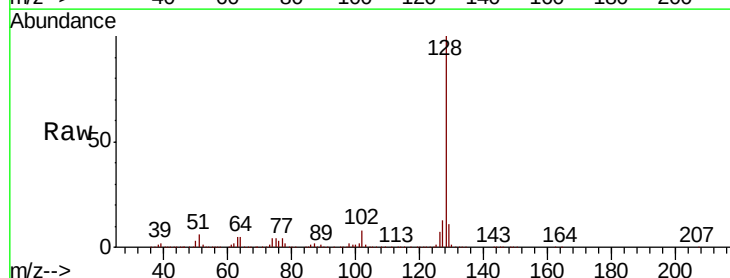
Tgt Ion: 128 Resp: 191315

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX010902.D (-2072) (-)

Ion 127.00 (126.70 to 127.70): VX010902.D (-2072) (-)

Ion 129.00 (128.70 to 129.70): VX010902.D (-2072) (-)

Time-->

