

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010838.D
 Acq On : 12 Jul 2019 16:03
 Operator : JC/SP
 Sample : K3786-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0581

Quant Time: Jul 13 01:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105077	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	5.50	113	100136	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	398468	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.13	95	140756	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	808	0.477	ug/l #	70
6) Chloroethane	1.89	64	262	0.239	ug/l #	41
11) Tert butyl alcohol	3.01	59	1333	2.594	ug/l #	74
13) Acrolein	2.34	56	214	0.628	ug/l #	14
14) Allyl chloride	2.84	41	12676	4.918	ug/l #	64
15) Acrylonitrile	3.18	53	4653	4.574	ug/l #	40
16) Acetone	2.44	43	1850	1.880	ug/l	97
18) Methyl Acetate	2.84	43	31600	16.111	ug/l #	48
20) Methylene Chloride	2.87	84	937	0.463	ug/l #	22
25) 2-Butanone	4.56	43	1101	0.763	ug/l #	46
31) Cyclohexane	5.58	56	228981	80.729	ug/l	96
36) 1,1-Dichloropropene	5.66	75	13652	5.264	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18596	6.622	ug/l #	16
39) Methylcyclohexane	7.46	83	248075	72.769	ug/l	97
40) Benzene	6.15	78	33625	4.162	ug/l	99
43) Isopropyl Acetate	6.46	43	3639	0.824	ug/l #	61
45) 1,2-Dichloropropane	7.46	63	2601	1.275	ug/l #	1
47) Bromodichloromethane	7.85	83	597	0.223	ug/l #	83
48) Methyl methacrylate	7.73	41	11224	5.470	ug/l #	53
49) 1,4-Dioxane	7.89	88	40	0.677	ug/l #	78
51) 4-Methyl-2-Pentanone	8.66	43	1942	0.688	ug/l #	44
55) 1,1,2-Trichloroethane	9.16	97	13243	6.035	ug/l #	20
56) Ethyl methacrylate	9.16	69	3089	0.929	ug/l #	1
67) Ethyl Benzene	10.25	91	125521	119.723	ug/l	99
68) m/p-Xylenes	10.36	106	1282110	315.526	ug/l	98
69) o-Xylene	10.70	106	22498	5.630	ug/l	100
70) Styrene	10.69	104	1375	0.205	ug/l #	1
73) Isopropylbenzene	11.02	105	131097	12.340	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	921	0.262	ug/l #	58
76) 1,2,3-Trichloropropane	11.43	75	9149	3.204	ug/l #	1
78) n-propylbenzene	11.36	91	164734	14.109	ug/l	99
79) 2-Chlorotoluene	11.43	91	131292	18.884	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	435373	49.713	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	68429	55.900	ug/l #	16

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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

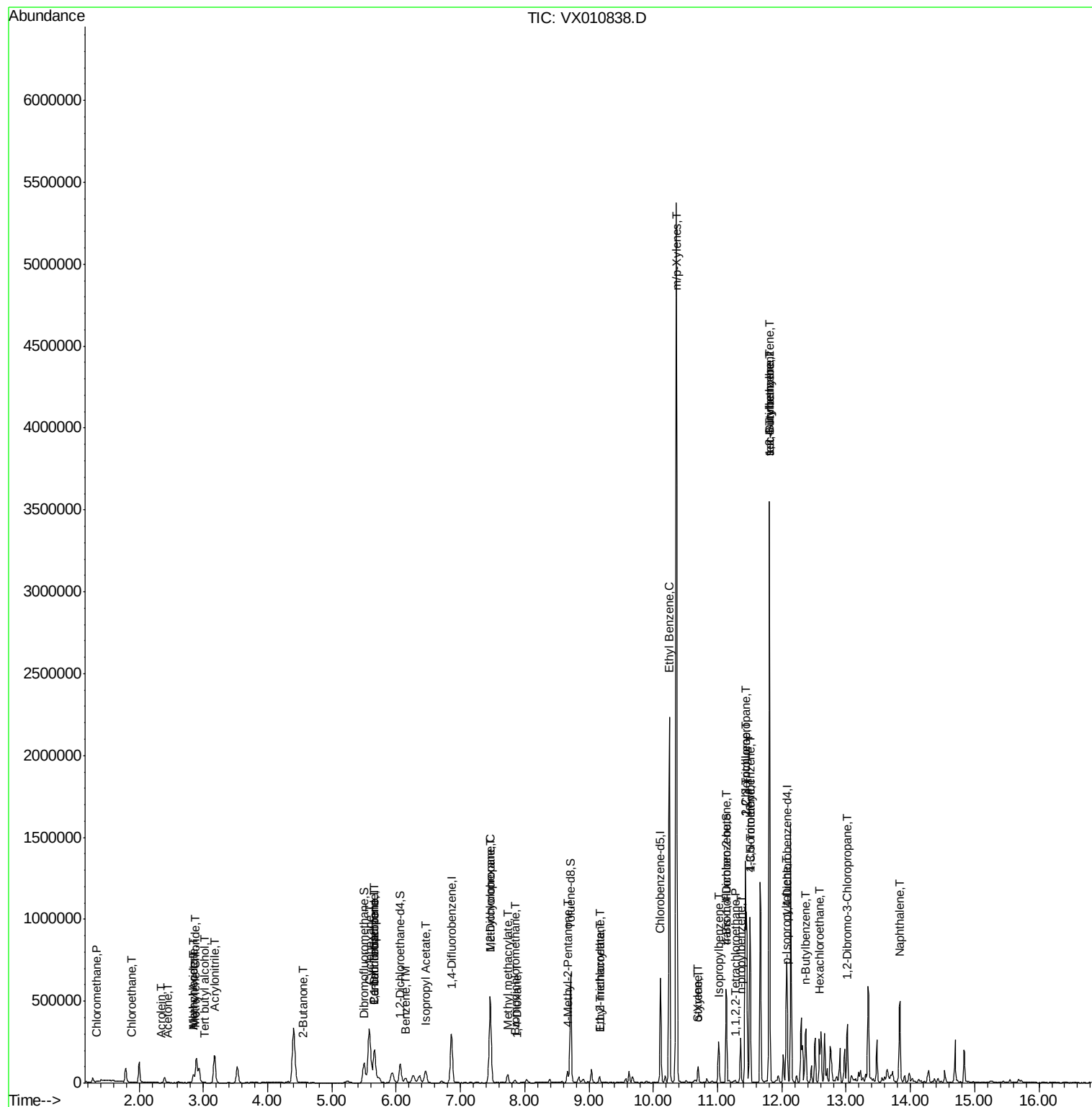
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	45307	5.727	ug/l #	42
83) tert-Butylbenzene	11.80	119	192334	21.881	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.80	105	1523564	173.157	ug/l	99
85) sec-Butylbenzene	11.80	105	1523564	147.624	ug/l #	55
86) p-Isopropyltoluene	12.06	119	44921	4.706	ug/l	99
89) n-Butylbenzene	12.37	91	33031	4.072	ug/l #	1
90) Hexachloroethane	12.58	117	11596	7.025	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1328	1.751	ug/l #	1
95) Naphthalene	13.83	128	310963	28.354	ug/l	99

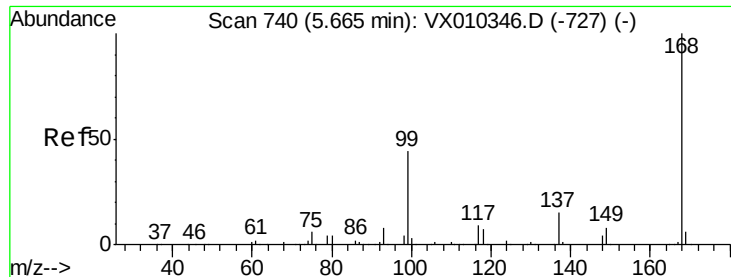
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

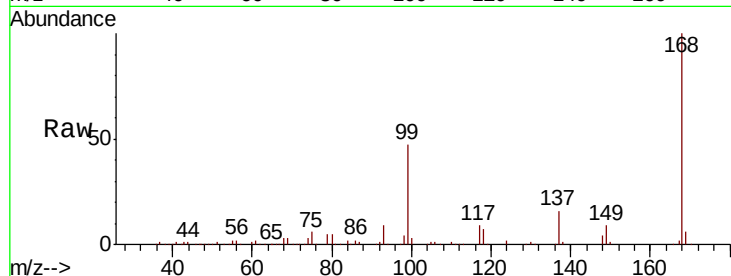
FL-0581

Tot Ion:168 Resp: 209436

Ion Ratio Lower Upper

168 100

99 46.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

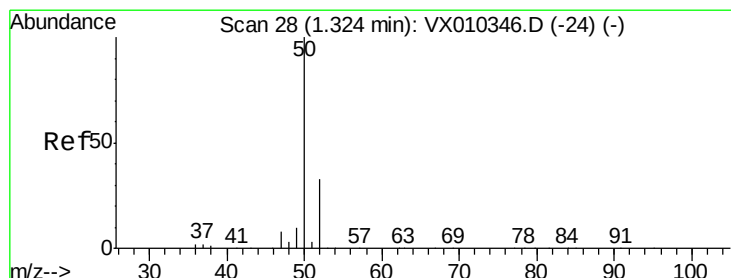
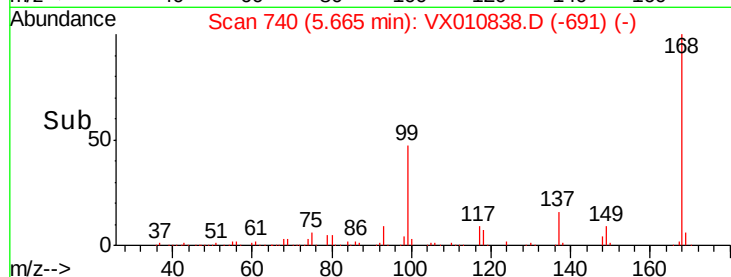
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.477 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010838.D

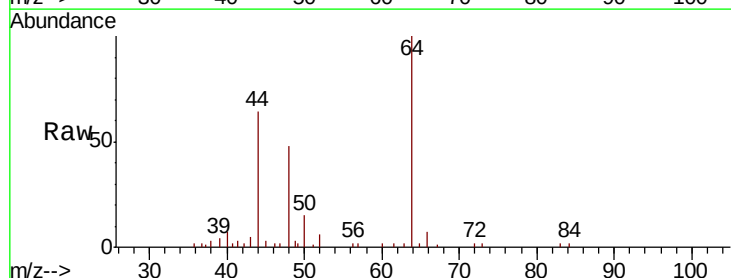
Acq: 12 Jul 2019 16:03

Tgt Ion: 50 Resp: 808

Ion Ratio Lower Upper

50 100

52 50.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

300

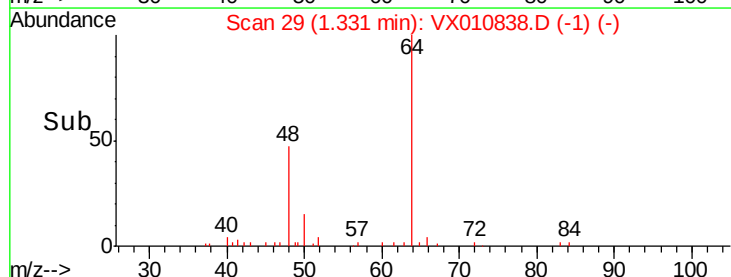
200

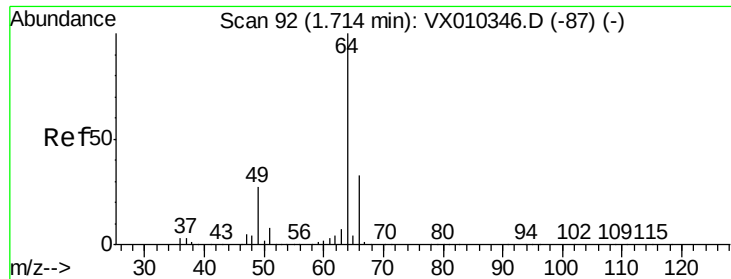
100

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.239 ug/l

RT: 1.89 min Scan# 121

Delta R.T. 0.18 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

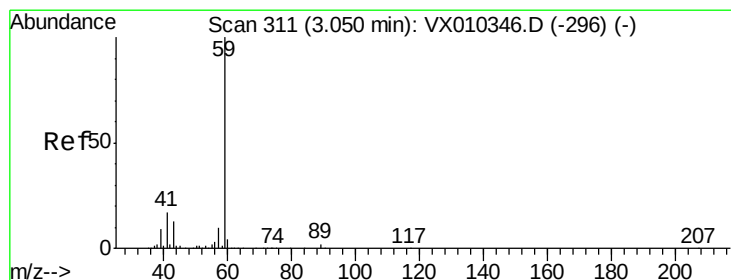
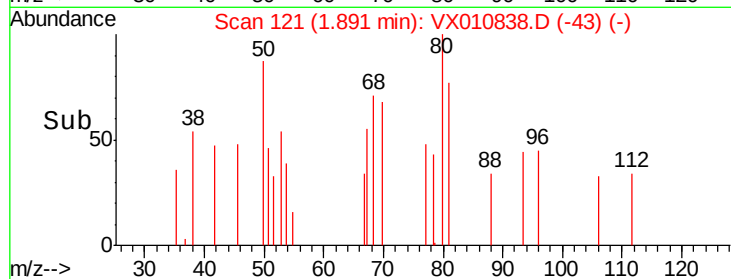
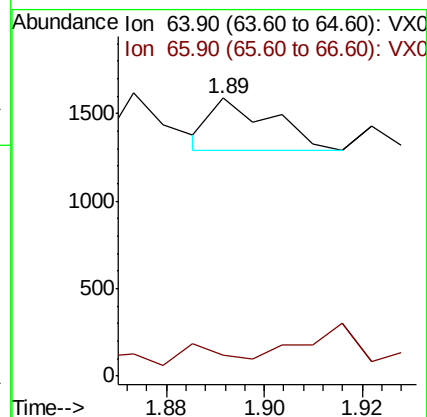
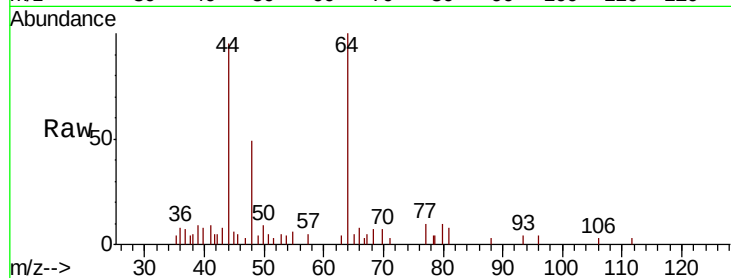
FL-0581

Tot Ion: 64 Resp: 262

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 2.594 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010838.D

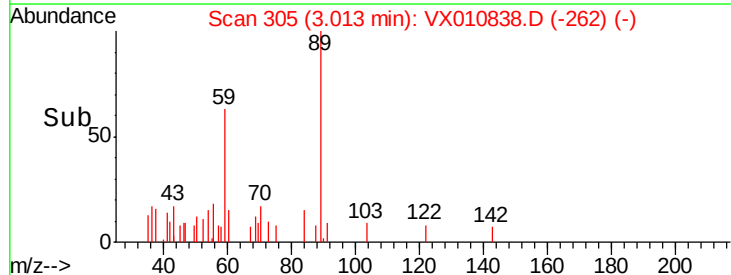
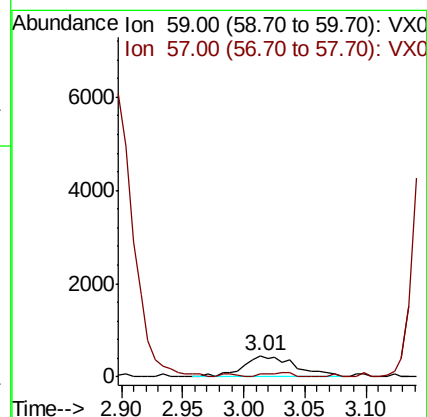
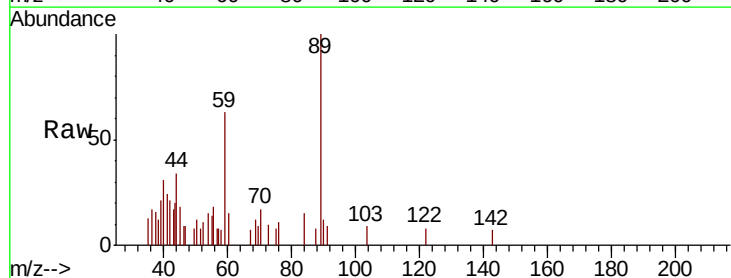
Acq: 12 Jul 2019 16:03

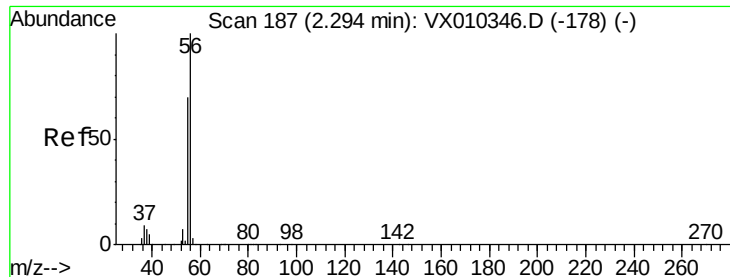
Tgt Ion: 59 Resp: 1333

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.628 ug/l

RT: 2.34 min Scan# 195

Delta R.T. 0.05 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

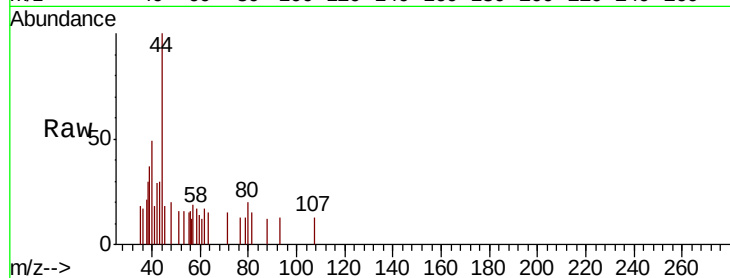
FL-0581

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

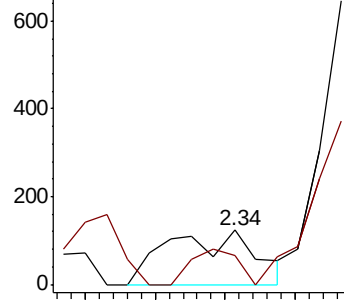
56 100

55 0.0 56.9 85.3#

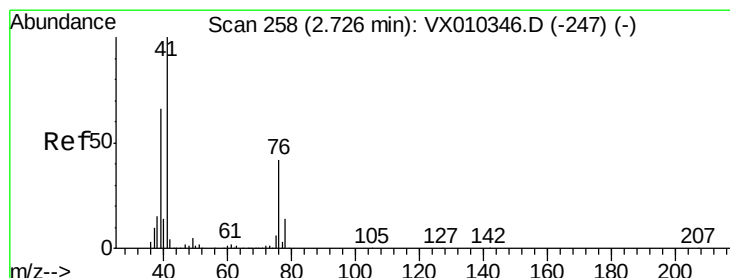
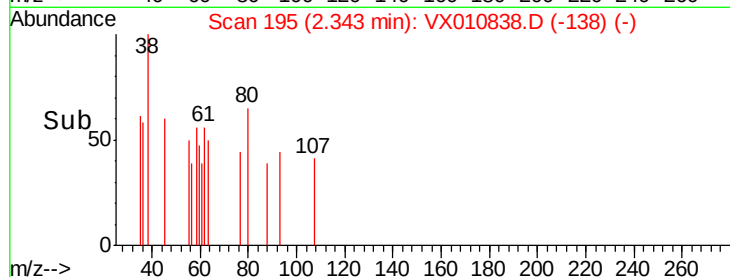


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 4.918 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

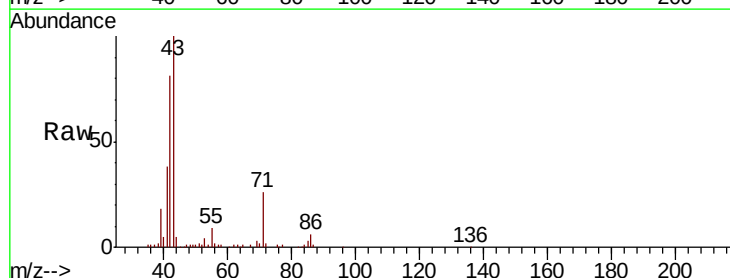
Tgt Ion: 41 Resp: 12676

Ion Ratio Lower Upper

41 100

39 48.9 50.3 75.5#

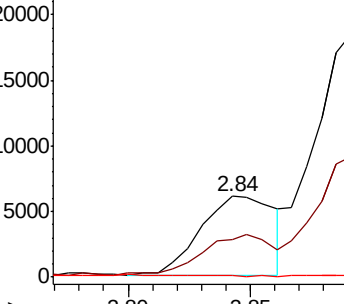
76 0.0 31.3 46.9#



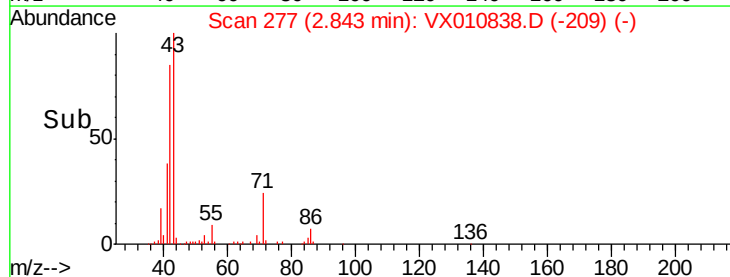
Abundance Ion 41.00 (40.70 to 41.70): VX0

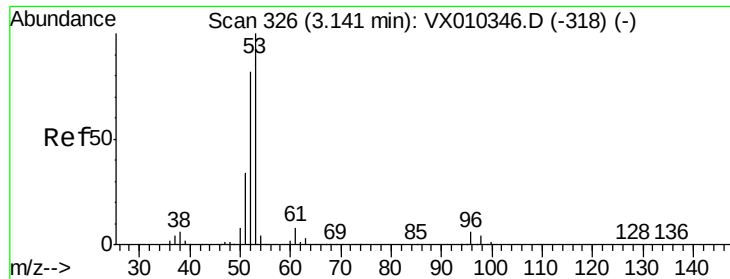
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 4.574 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

FL-0581

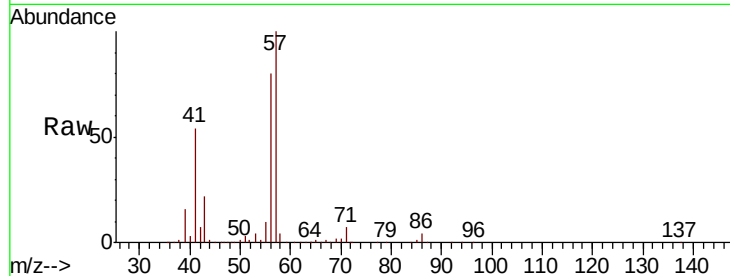
Tot Ion: 53 Resp: 4653

Ion Ratio Lower Upper

53 100

52 24.6 65.5 98.3#

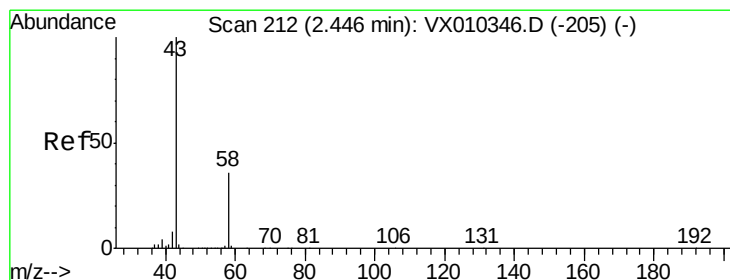
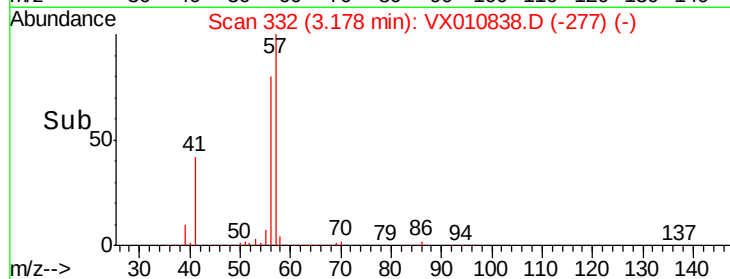
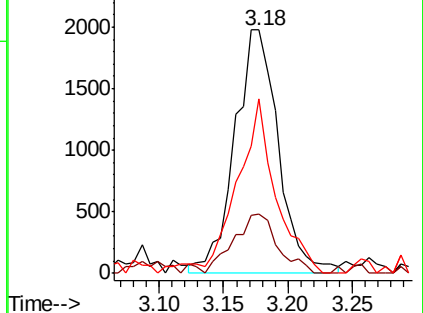
51 64.4 28.2 42.4#



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: 1.880 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010838.D

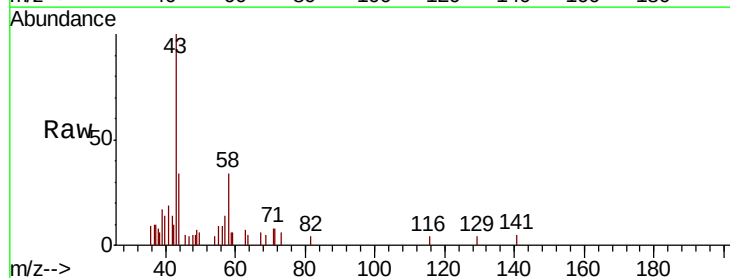
Acq: 12 Jul 2019 16:03

Tgt Ion: 43 Resp: 1850

Ion Ratio Lower Upper

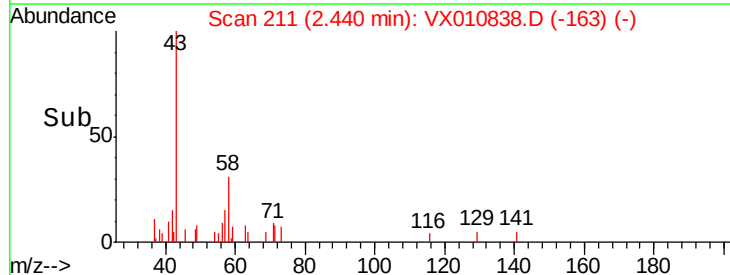
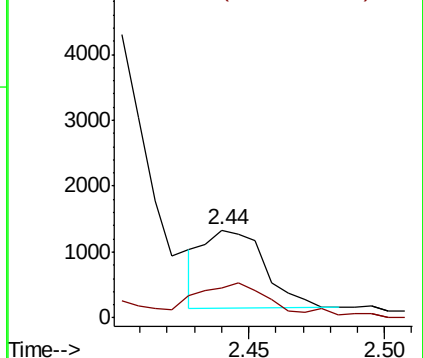
43 100

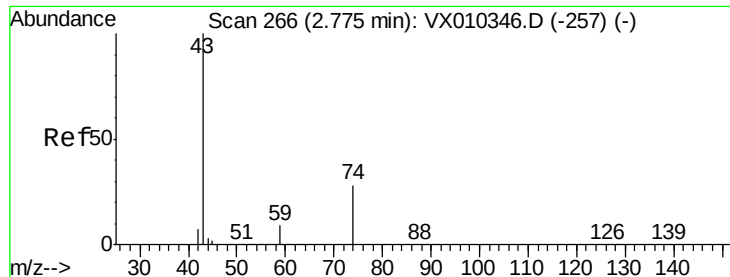
58 34.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

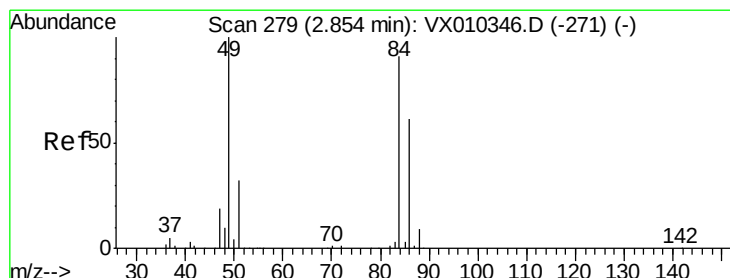
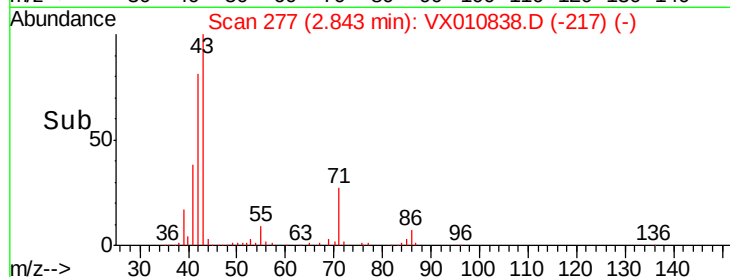
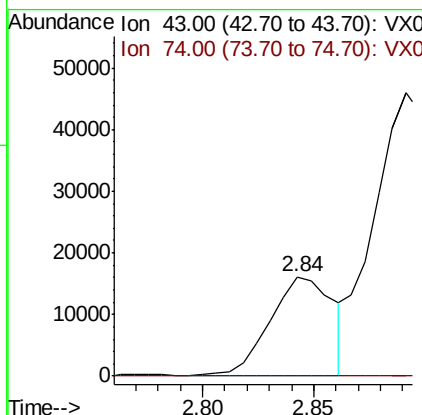
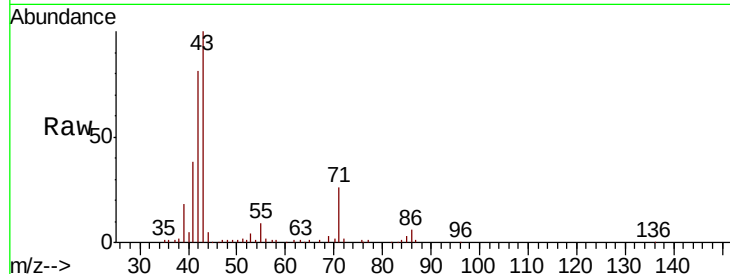




#18
Methyl Acetate
Concen: 16.111 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

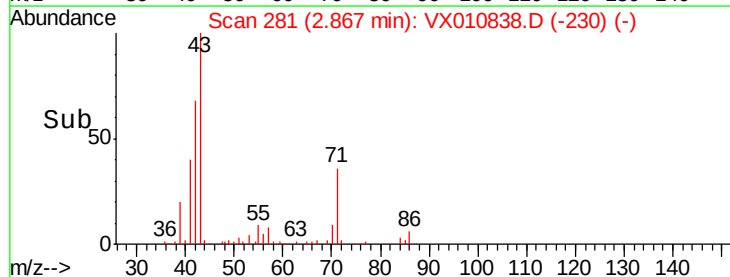
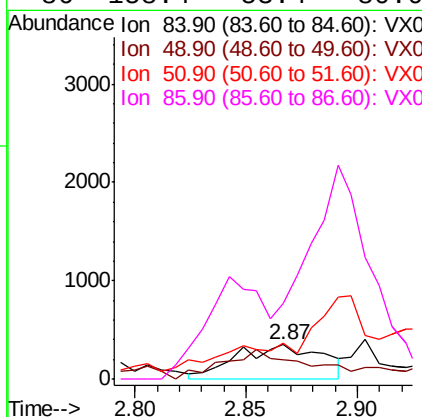
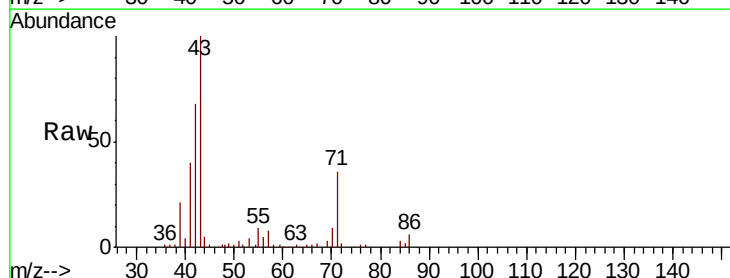
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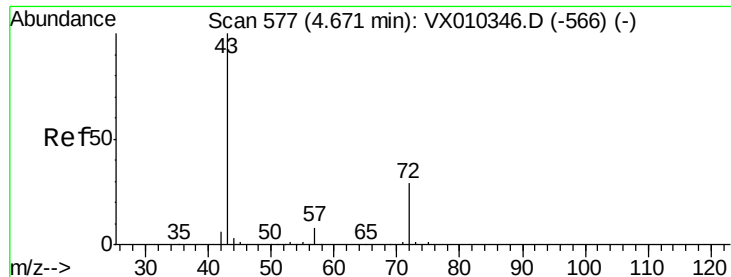
Tot Ion: 43 Resp: 31600
Ion Ratio Lower Upper
43 100
74 0.1 21.3 31.9#



#20
Methylene Chloride
Concen: 0.463 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion: 84 Resp: 937
Ion Ratio Lower Upper
84 100
49 36.2 87.5 131.3#
51 54.6 27.7 41.5#
86 158.4 53.4 80.0#





#25

2-Butanone

Concen: 0.763 ug/l

RT: 4.56 min Scan# 558

Delta R.T. -0.12 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

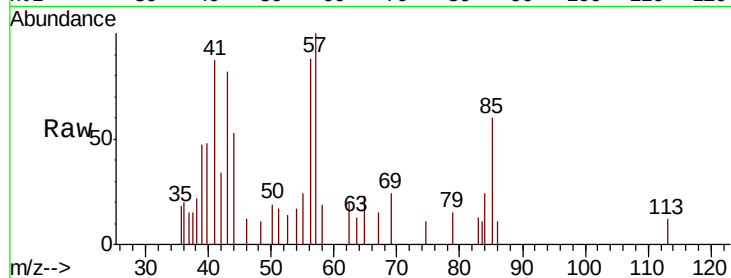
FL-0581

Tot Ion: 43 Resp: 1101

Ion Ratio Lower Upper

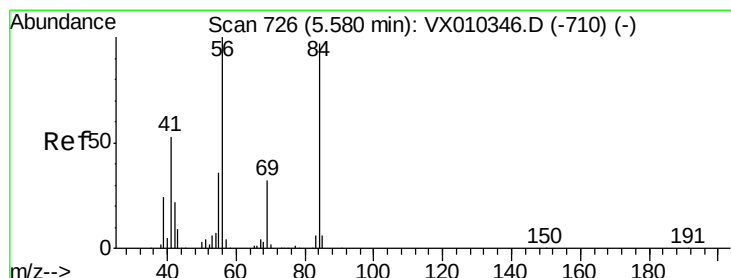
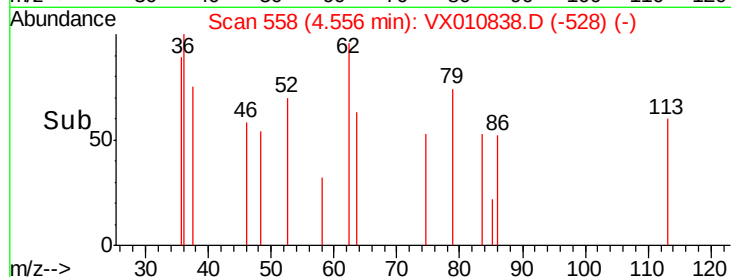
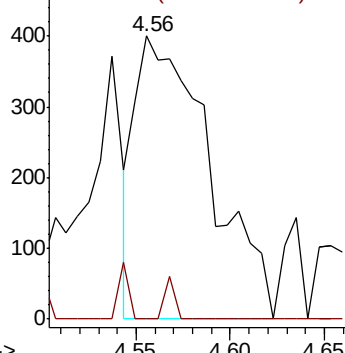
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 80.729 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

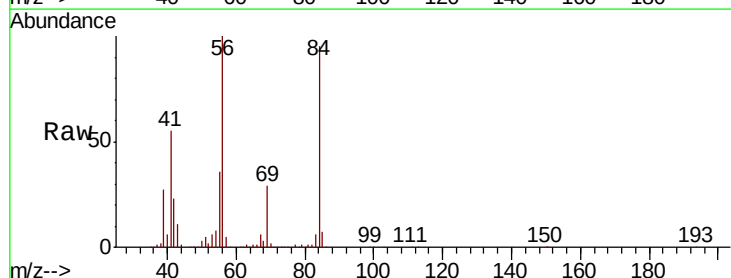
Tgt Ion: 56 Resp: 228981

Ion Ratio Lower Upper

56 100

69 29.2 25.9 38.9

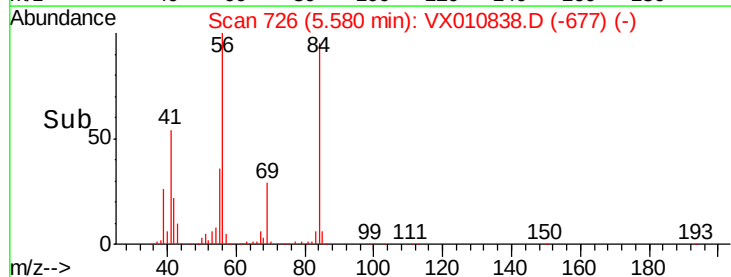
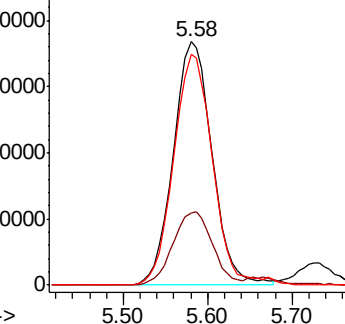
84 94.8 78.0 117.0

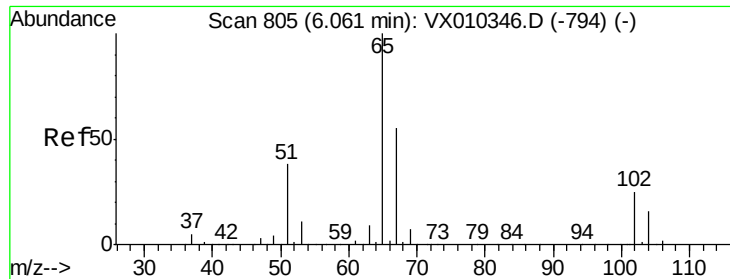


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

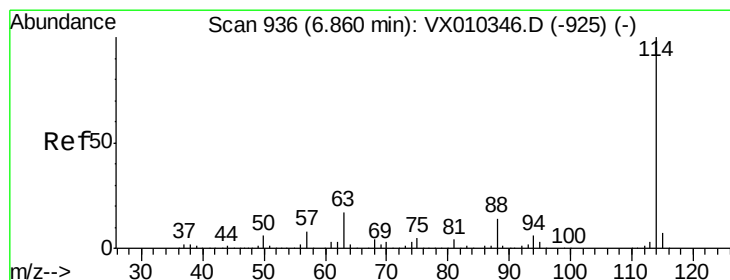
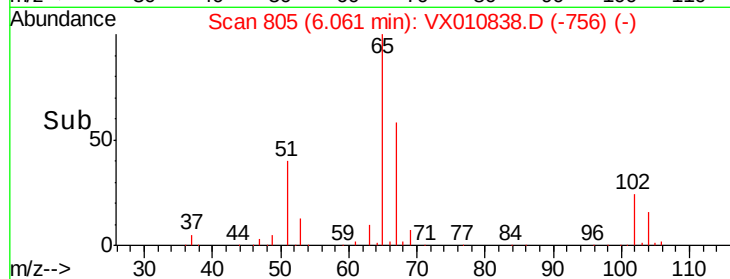
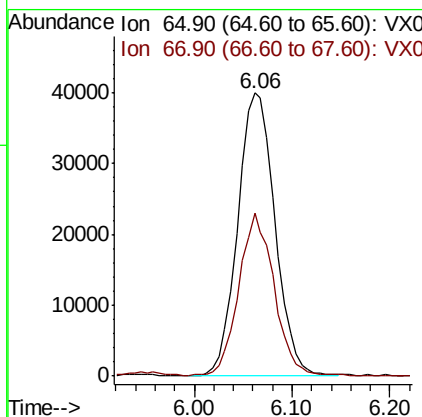
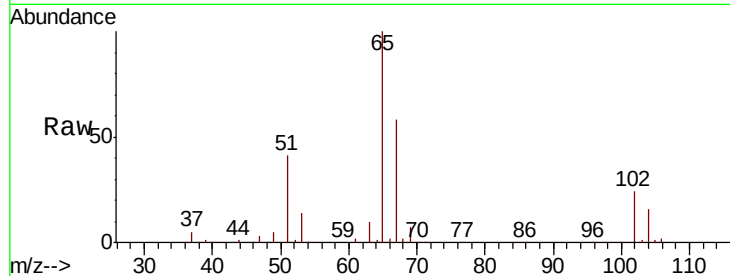




#33
 1,2-Dichloroethane-d4
 Concen: 53.510 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010838.D
 Acq: 12 Jul 2019 16:03

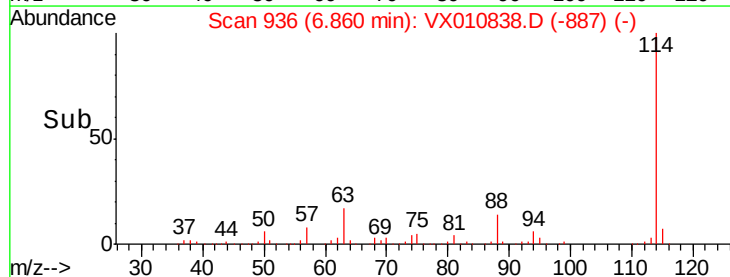
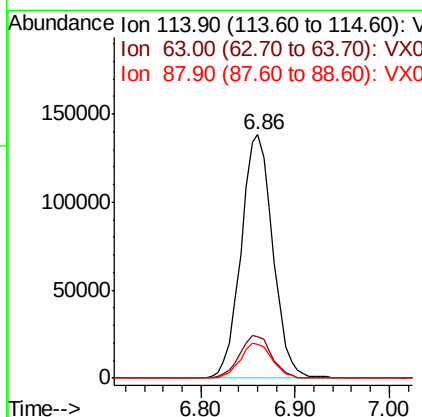
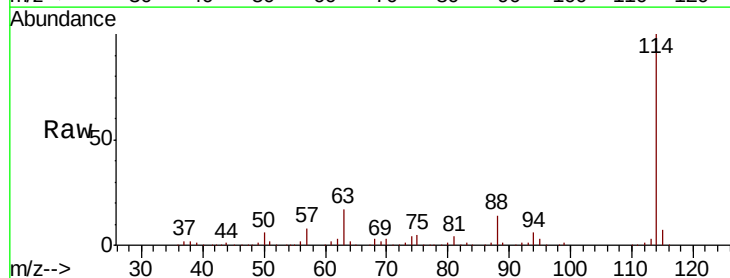
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0581

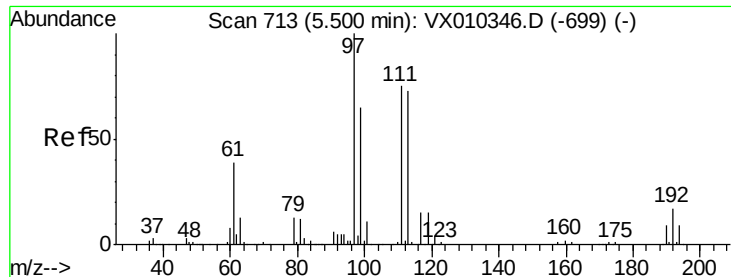
Tot Ion: 65 Resp: 105077
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010838.D
 Acq: 12 Jul 2019 16:03

Tgt Ion: 114 Resp: 326369
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.8
 88 13.9 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.147 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

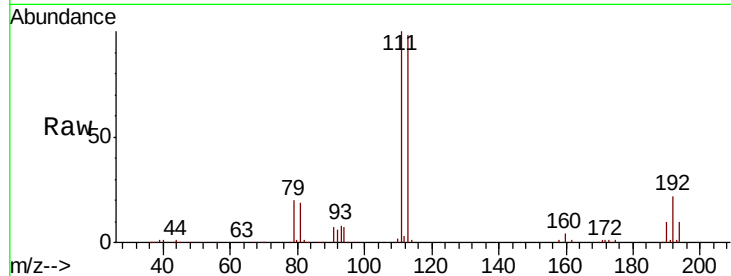
Tot Ion:113 Resp: 100136

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

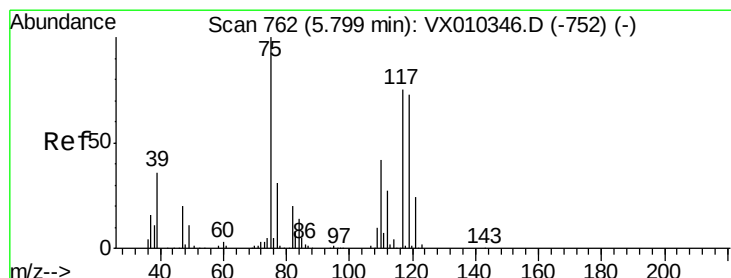
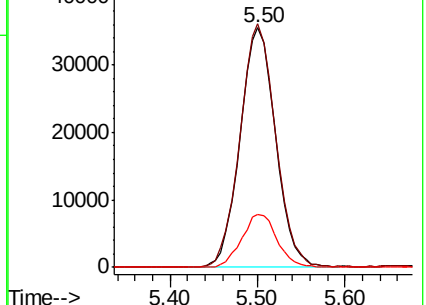
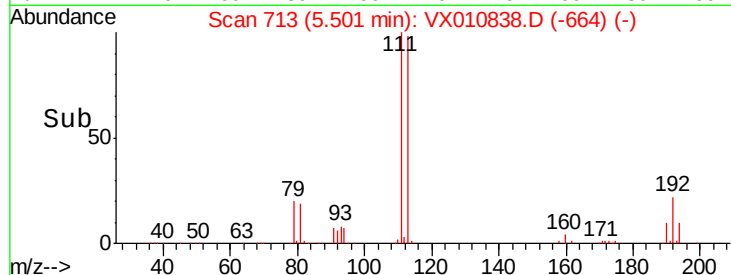
192 22.1 18.6 27.8



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: 5.264 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

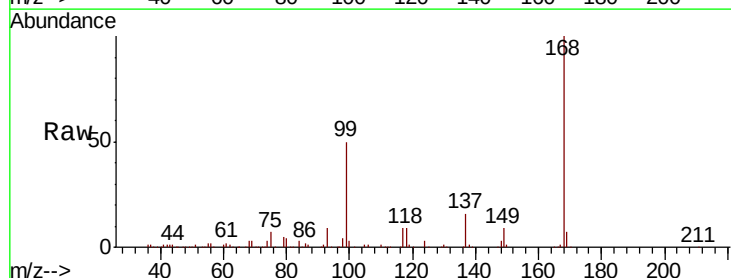
Tgt Ion: 75 Resp: 13652

Ion Ratio Lower Upper

75 100

110 11.1 20.8 62.2#

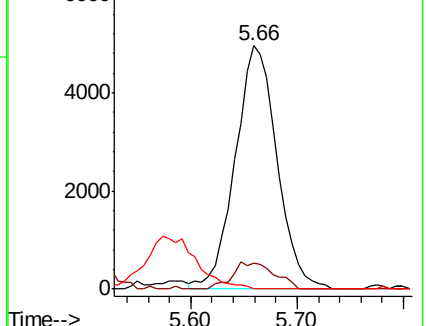
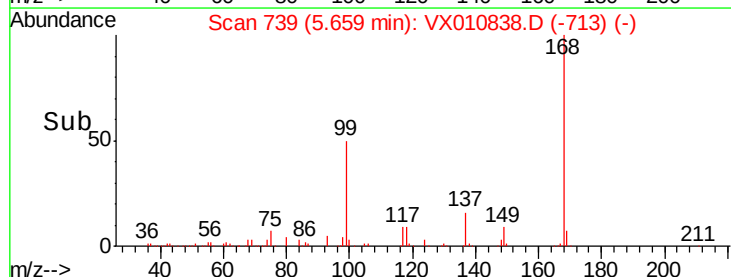
77 0.0 25.4 38.0#

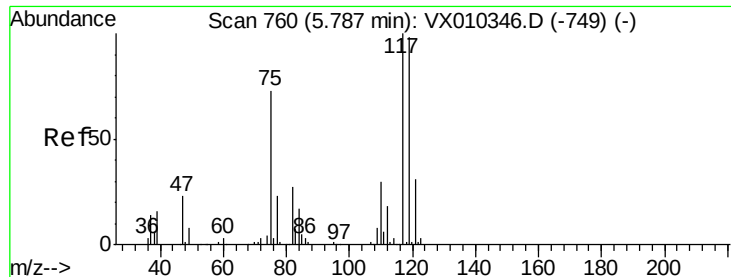


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.622 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

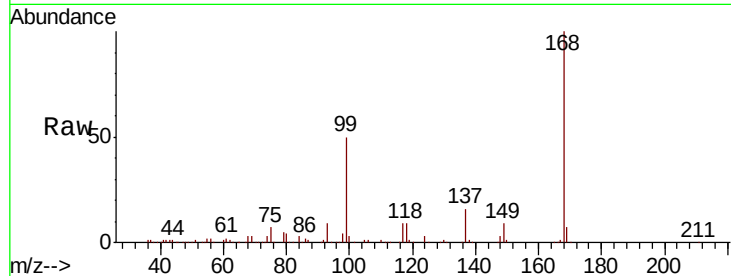
Tot Ion:117 Resp: 18596

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.4#

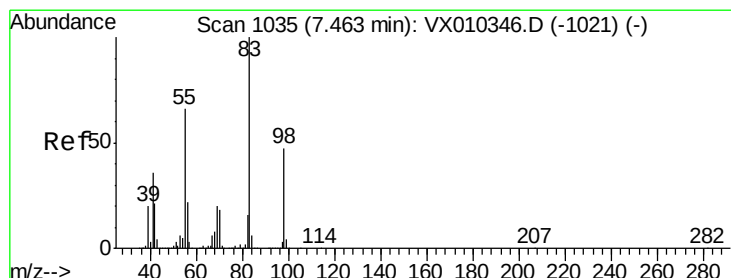
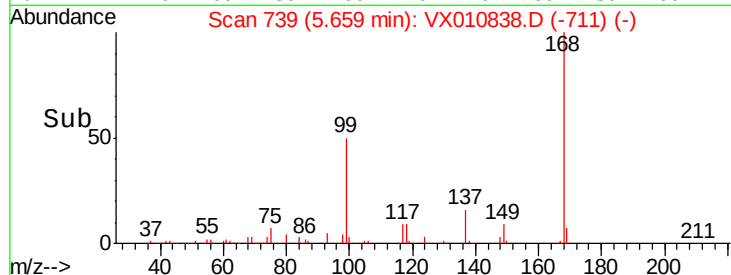
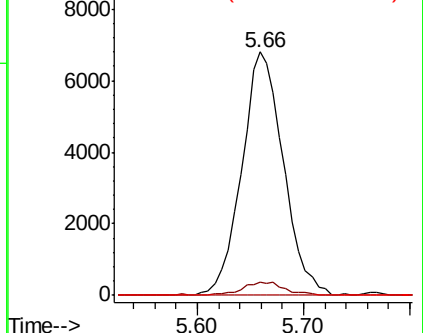
121 0.0 24.7 37.1#



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: 72.769 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

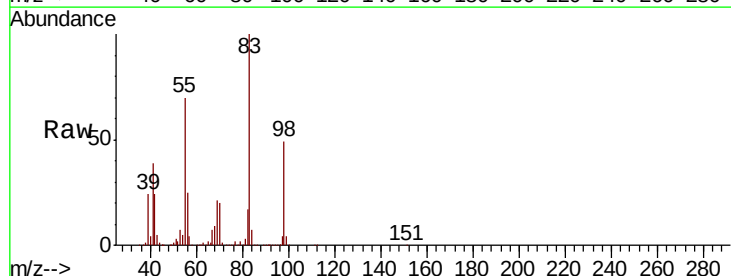
Tgt Ion: 83 Resp: 248075

Ion Ratio Lower Upper

83 100

55 69.5 53.0 79.6

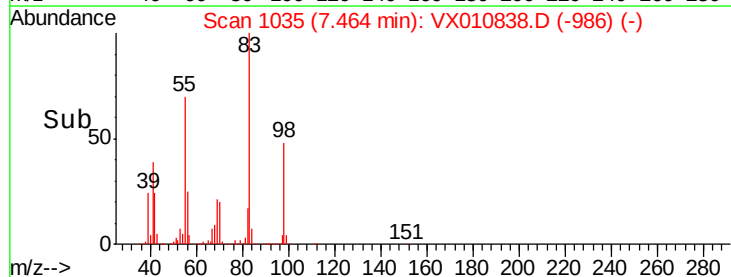
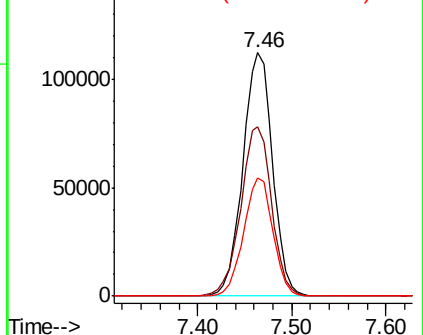
98 48.5 37.8 56.8

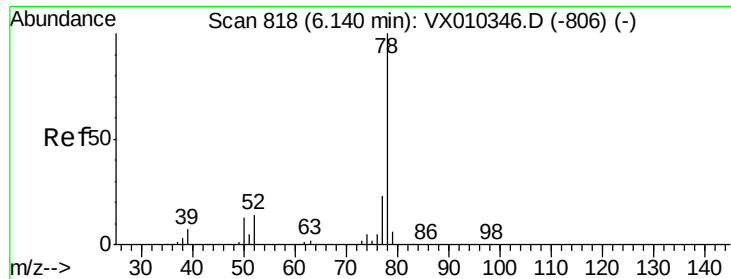


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.162 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

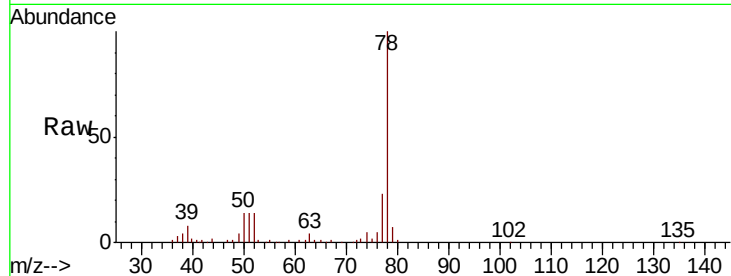
FL-0581

Tot Ion: 78 Resp: 33625

Ion Ratio Lower Upper

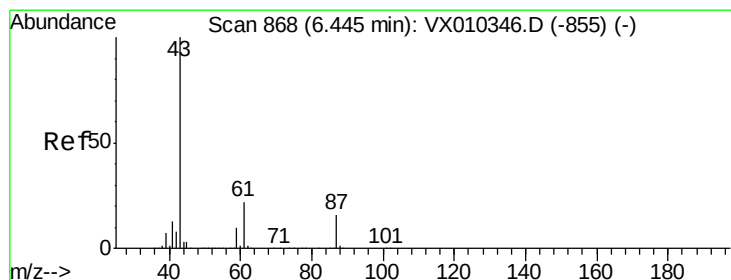
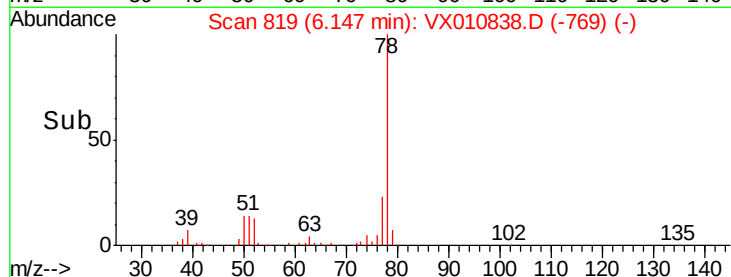
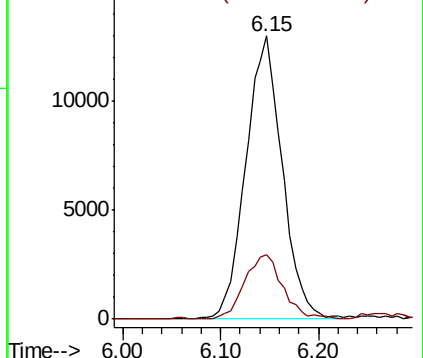
78 100

77 22.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 0.824 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

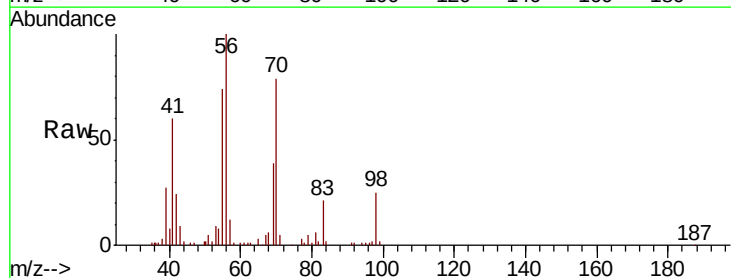
Tgt Ion: 43 Resp: 3639

Ion Ratio Lower Upper

43 100

61 2.9 17.8 26.6#

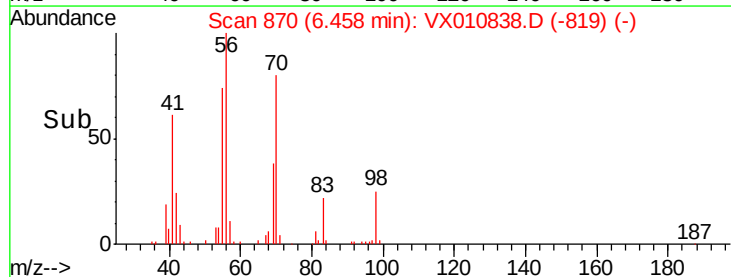
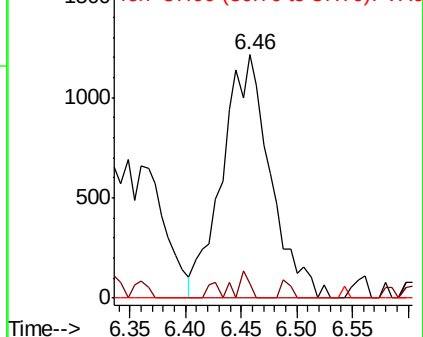
87 0.0 13.0 19.4#

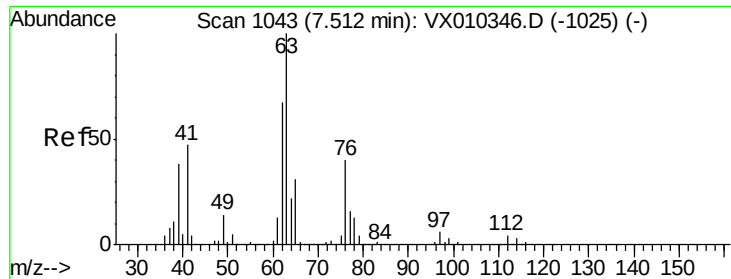


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

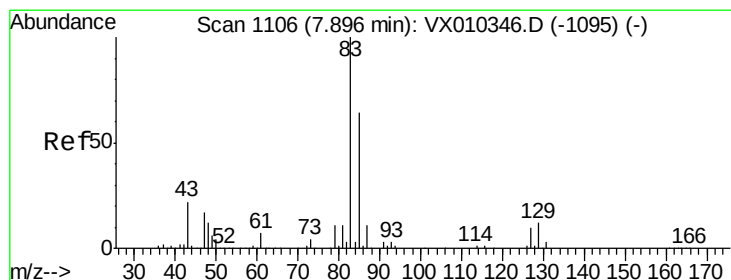
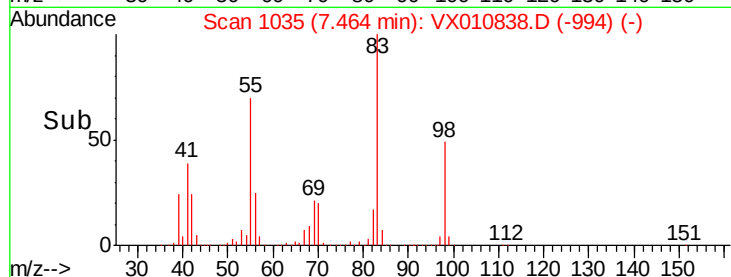
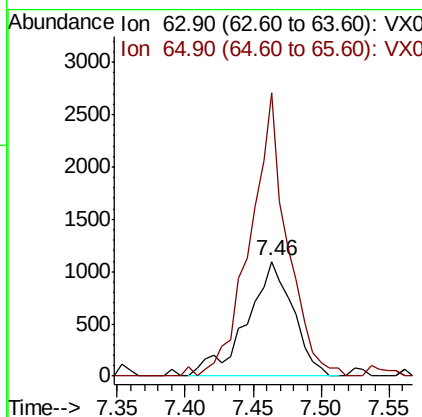
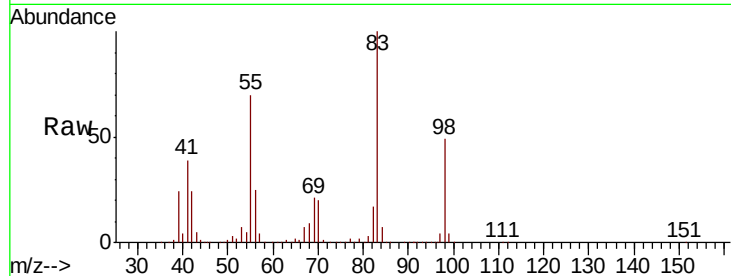




#45
 1,2-Dichloropropane
 Concen: 1.275 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: VX010838.D
 Acq: 12 Jul 2019 16:03

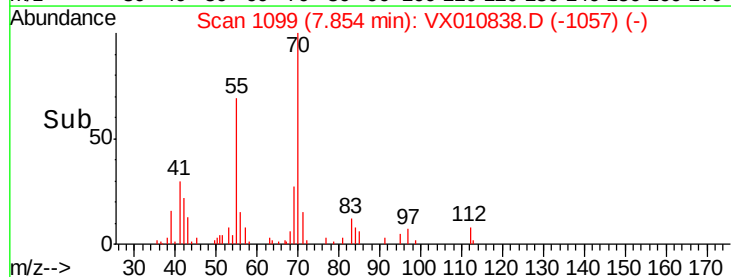
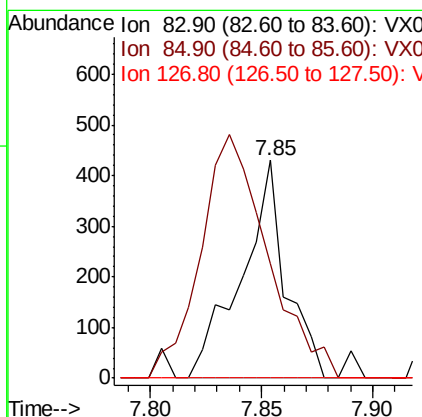
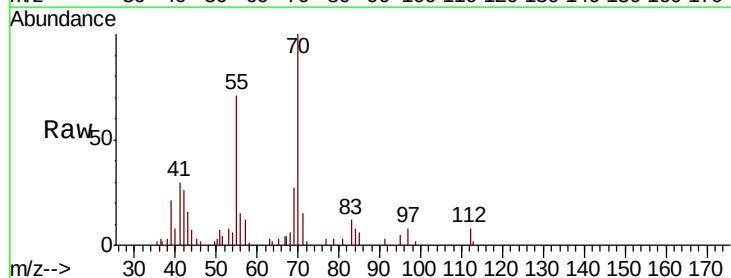
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0581

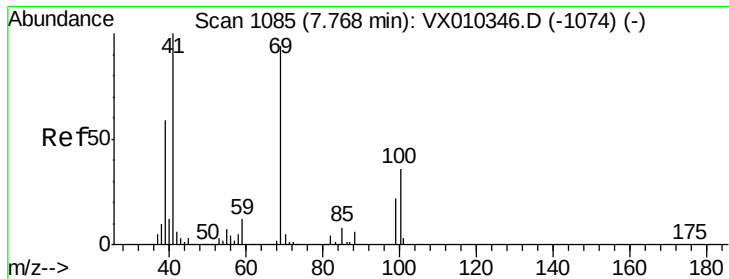
Tot Ion: 63 Resp: 2601
 Ion Ratio Lower Upper
 63 100
 65 239.6 24.8 37.2#



#47
 Bromodichloromethane
 Concen: 0.223 ug/l
 RT: 7.85 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: VX010838.D
 Acq: 12 Jul 2019 16:03

Tgt Ion: 83 Resp: 597
 Ion Ratio Lower Upper
 83 100
 85 52.3 51.5 77.3
 127 0.0 7.8 11.8#

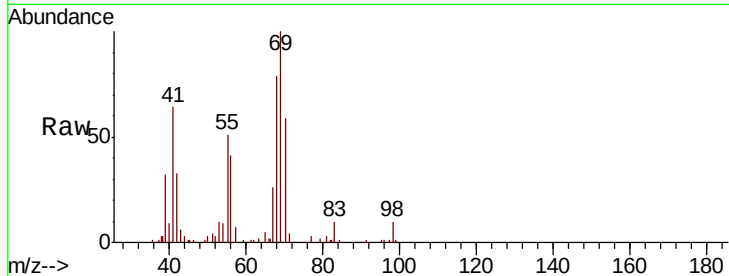




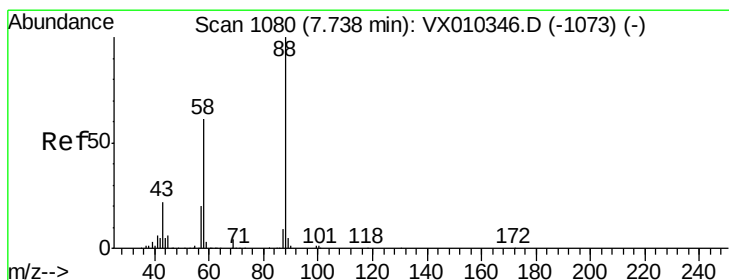
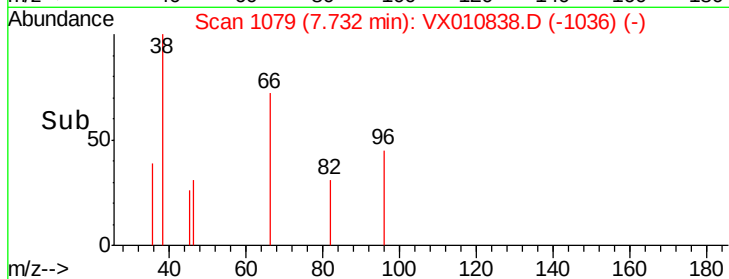
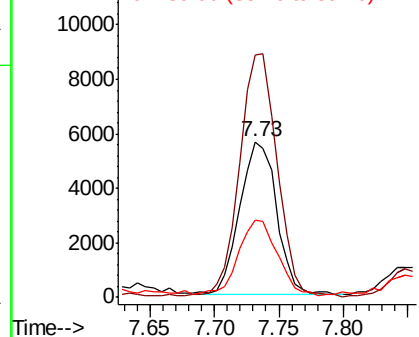
#48
Methvl methacrylate
Concen: 5.470 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion: 41 Resp: 11224
Ion Ratio Lower Upper
41 100
69 161.6 76.1 114.1#
39 50.2 47.6 71.4

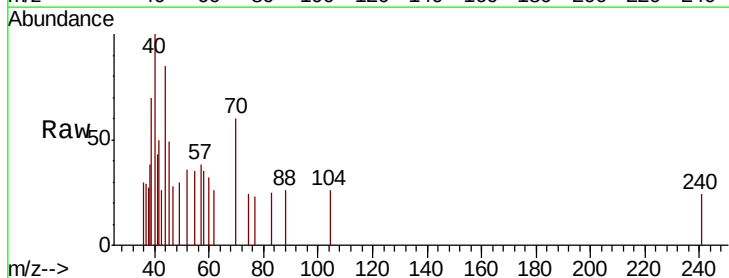


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

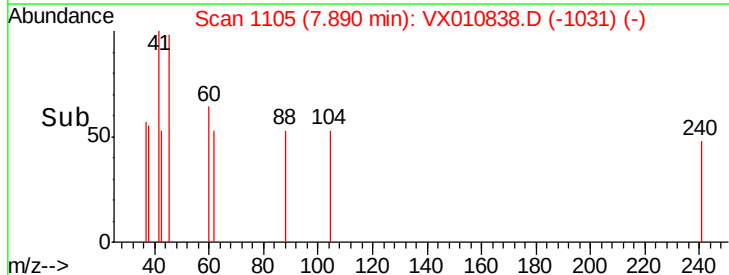
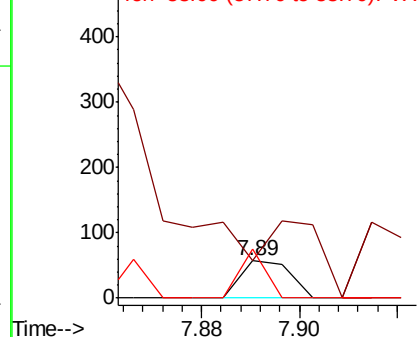


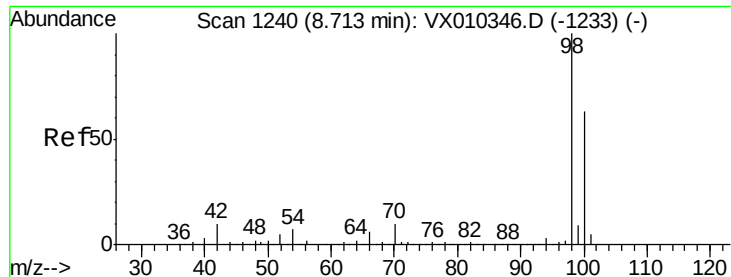
#49
1,4-Dioxane
Concen: 0.677 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. 0.15 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 70.0 49.5 74.3



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

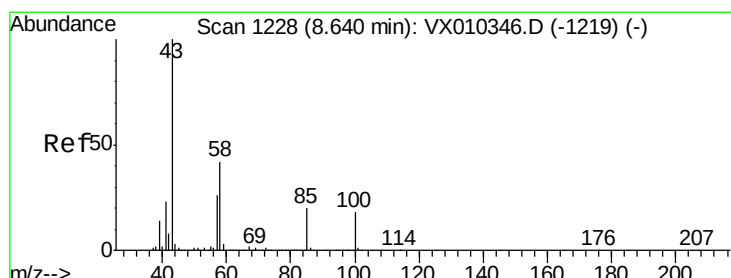
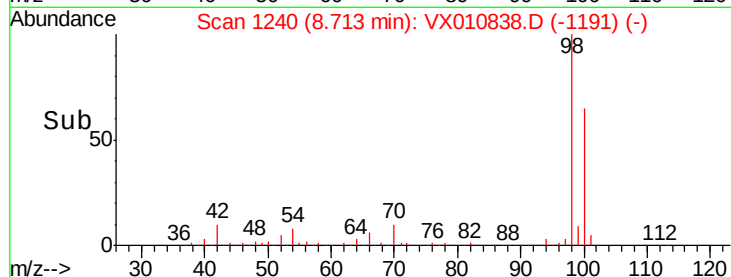
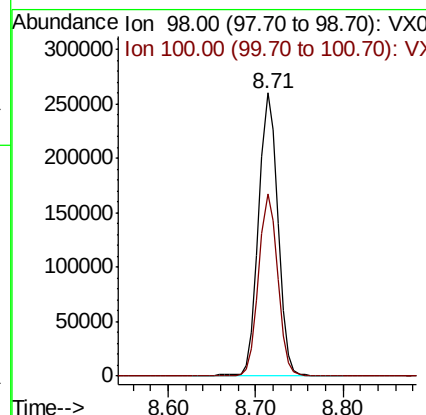
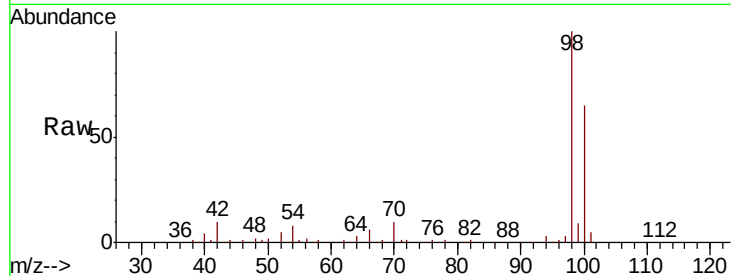




#50
Toluene-d8
Concen: 52.159 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

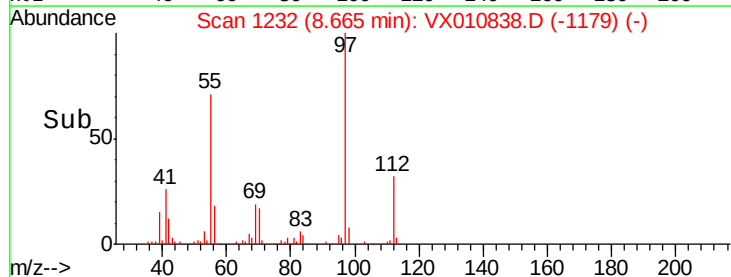
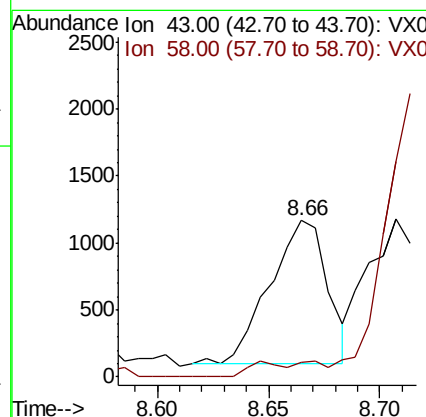
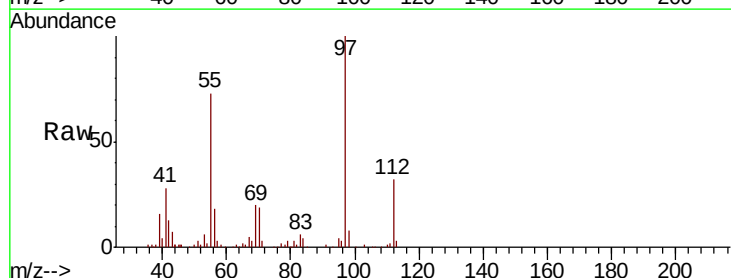
Instrument :
MSVOA_X
ClientSampled :
FL-0581

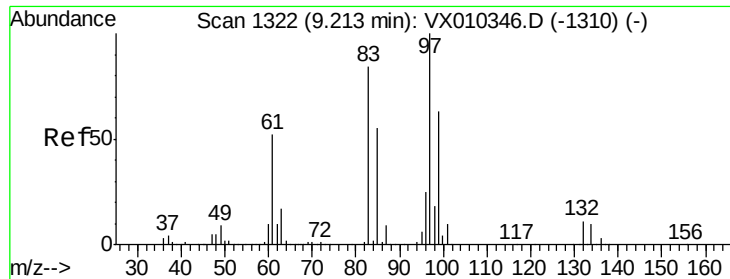
Tot Ion: 98 Resp: 398468
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.688 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
58 6.6 33.5 50.3#





#55

1,1,2-Trichloroethane

Concen: 6.035 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

Tot Ion: 97 Resp: 13243

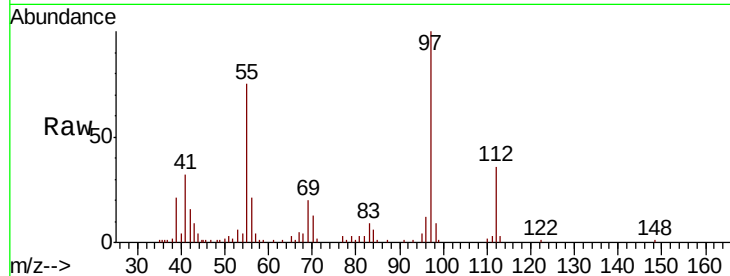
Ion Ratio Lower Upper

97 100

83 8.8 67.4 101.0#

85 0.8 43.8 65.8#

99 0.9 50.3 75.5#

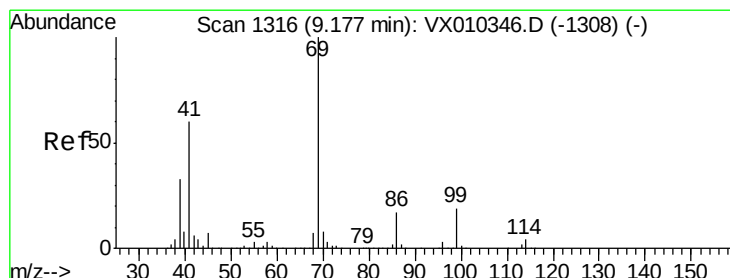
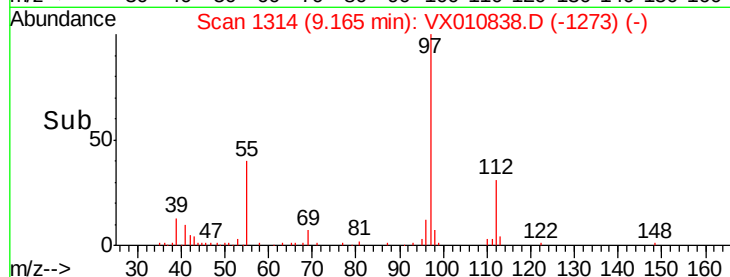
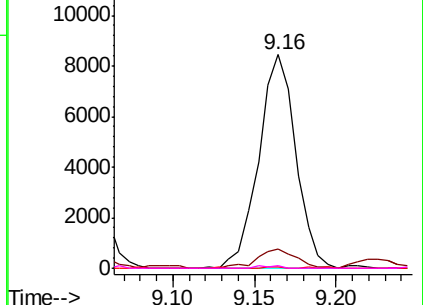


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 0.929 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

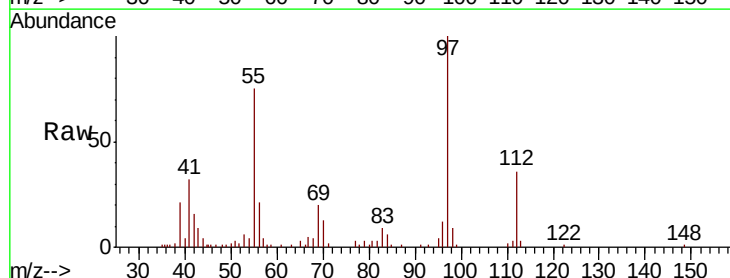
Tgt Ion: 69 Resp: 3089

Ion Ratio Lower Upper

69 100

41 135.5 47.1 70.7#

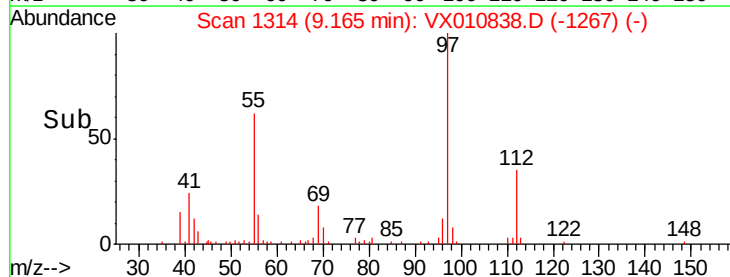
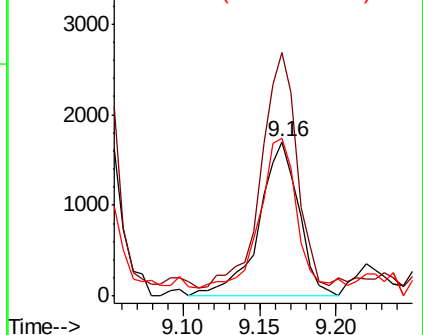
39 88.7 26.6 40.0#

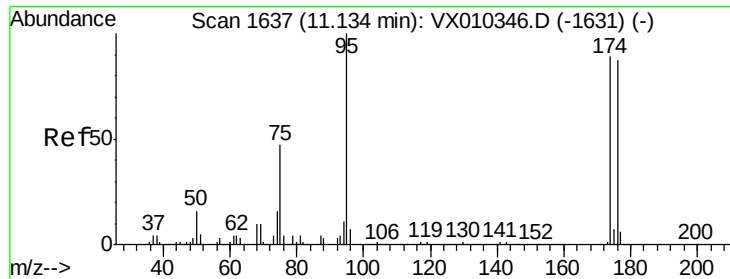


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

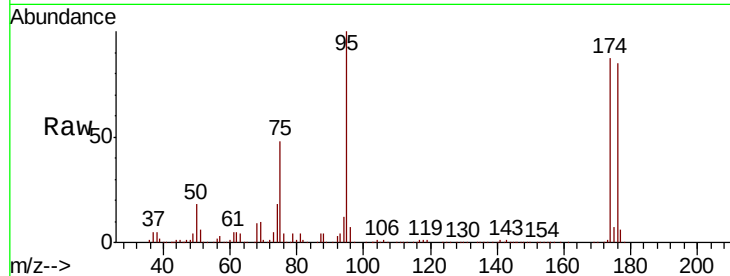
Tot Ion: 95 Resp: 140756

Ion Ratio Lower Upper

95 100

174 93.0 0.0 187.6

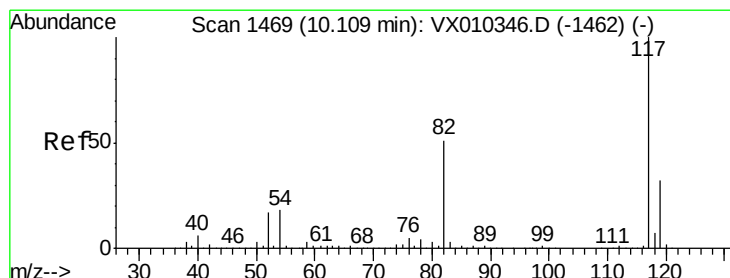
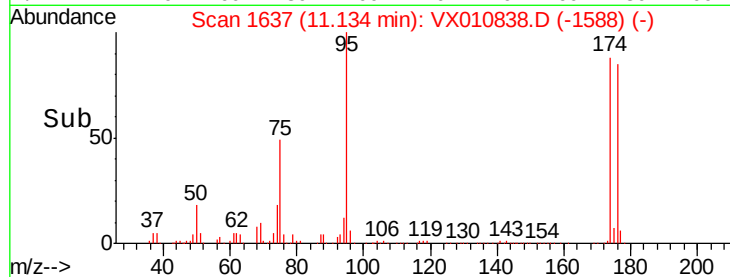
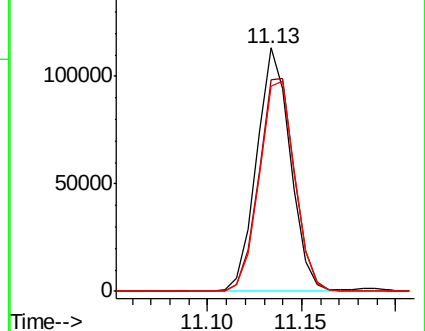
176 91.0 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010838.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010838.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010838.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

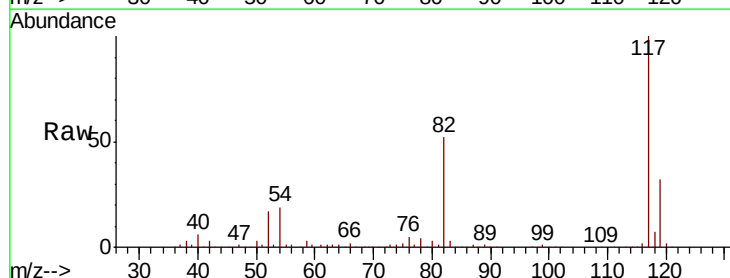
Tgt Ion: 117 Resp: 305971

Ion Ratio Lower Upper

117 100

82 52.1 41.2 61.8

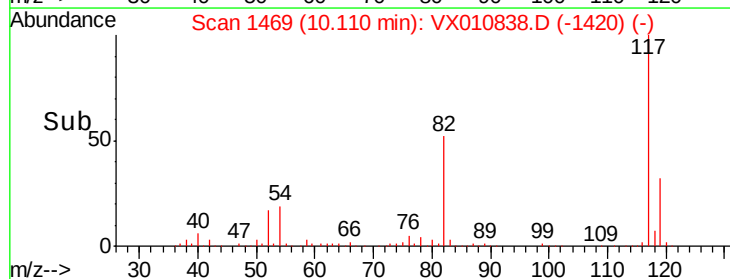
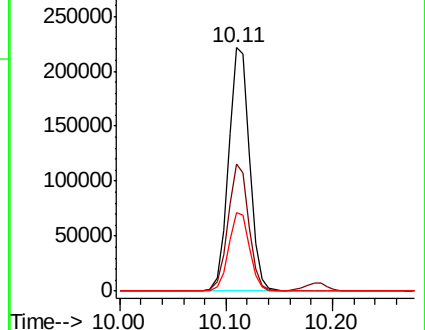
119 32.0 25.5 38.3

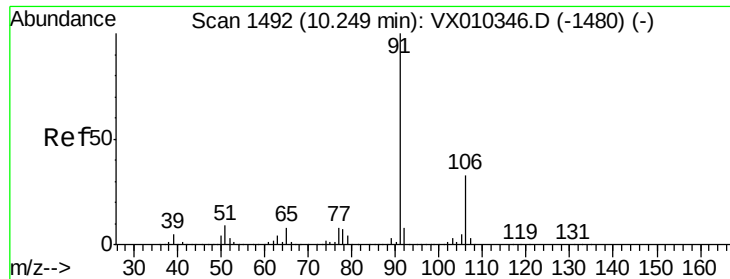


Abundance Ion 116.90 (116.60 to 117.60): VX010838.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010838.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010838.D (-1420) (-)





#67

Ethyl Benzene

Concen: 119.723 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

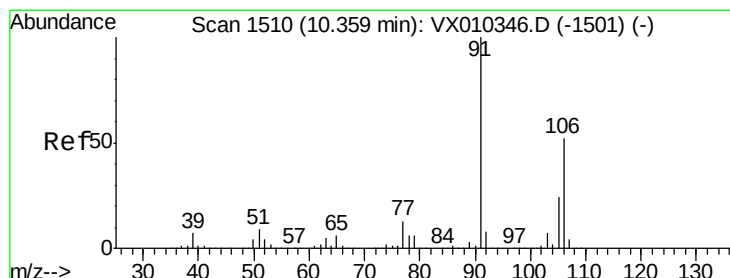
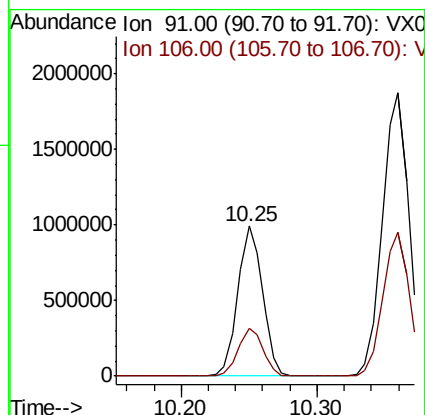
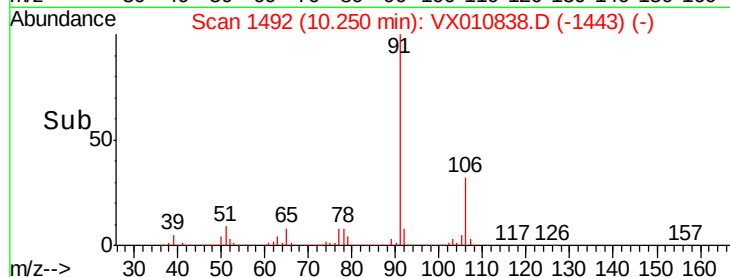
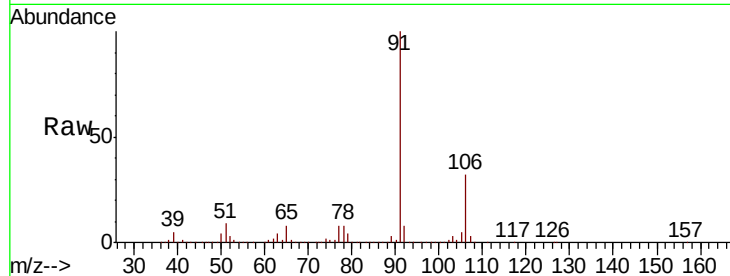
FL-0581

Tot Ion: 91 Resp: 1255521

Ion Ratio Lower Upper

91 100

106 32.2 26.2 39.2



#68

m/p-Xylenes

Concen: 315.526 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010838.D

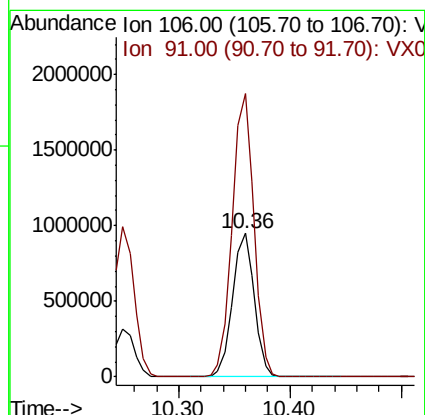
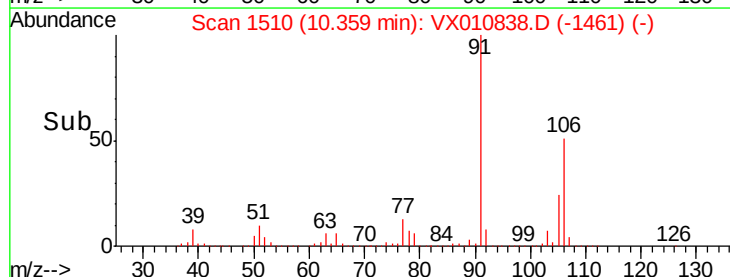
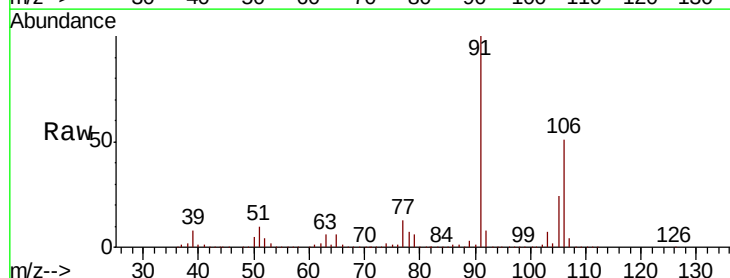
Acq: 12 Jul 2019 16:03

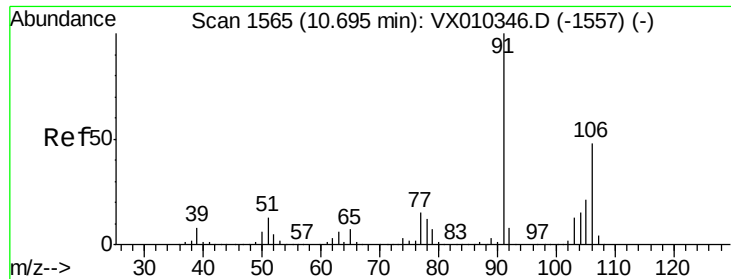
Tgt Ion: 106 Resp: 1282110

Ion Ratio Lower Upper

106 100

91 196.8 155.3 232.9

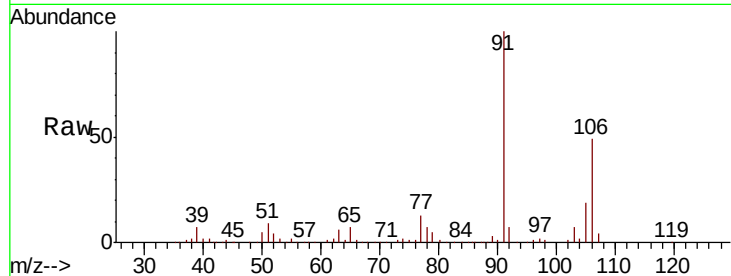




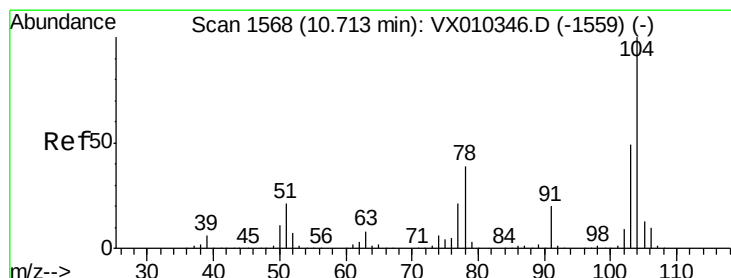
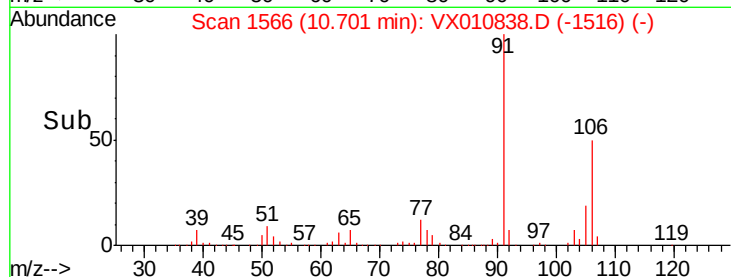
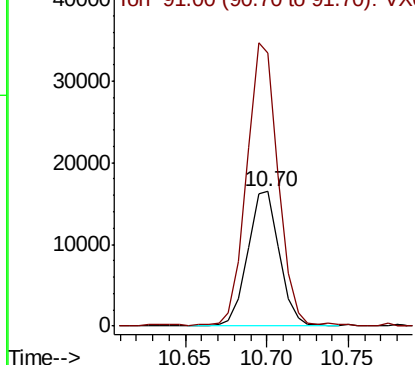
#69
o-Xylene
Concen: 5.630 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
FL-0581

Tot Ion:106 Resp: 22498
Ion Ratio Lower Upper
106 100
91 206.1 102.7 308.1

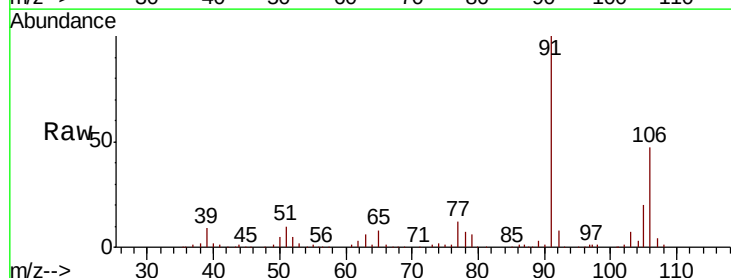


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

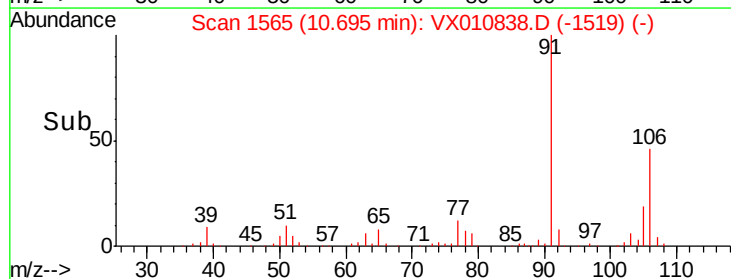
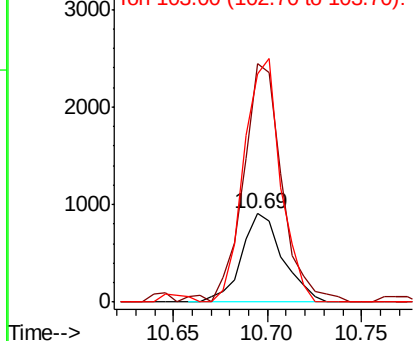


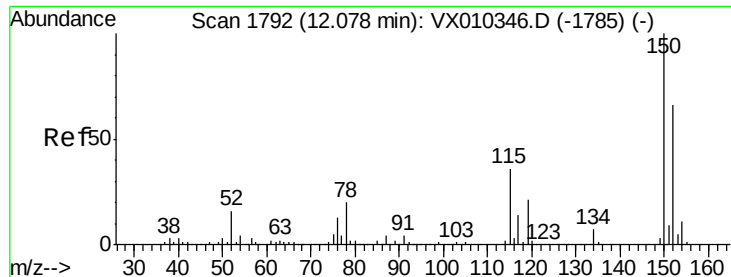
#70
Styrene
Concen: 0.205 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion:104 Resp: 1375
Ion Ratio Lower Upper
104 100
78 252.0 36.2 54.2#
103 244.2 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



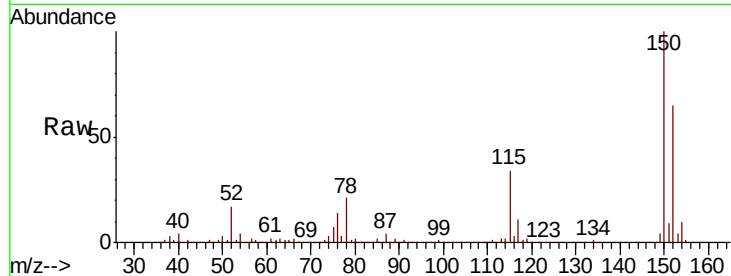


#72

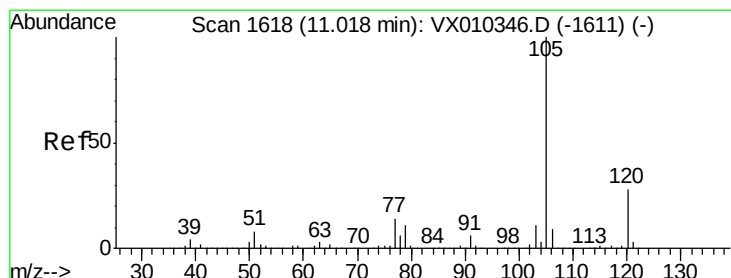
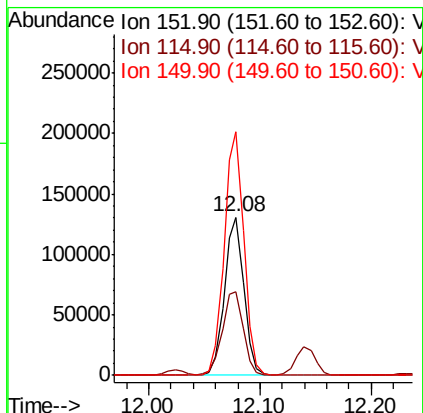
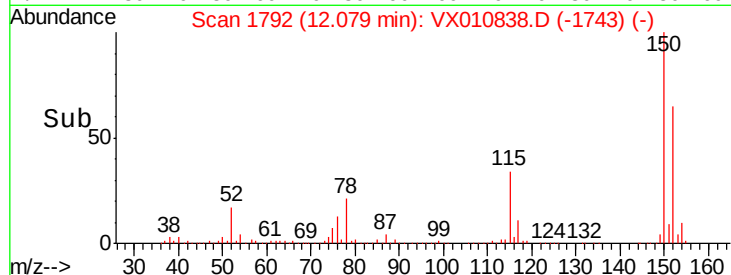
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
FL-0581

Tot Ion:152 Resp: 156715
Ion Ratio Lower Upper
152 100
115 57.1 38.6 115.7
150 155.9 0.0 347.4



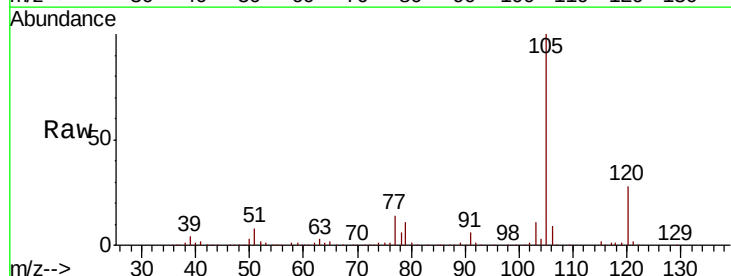
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



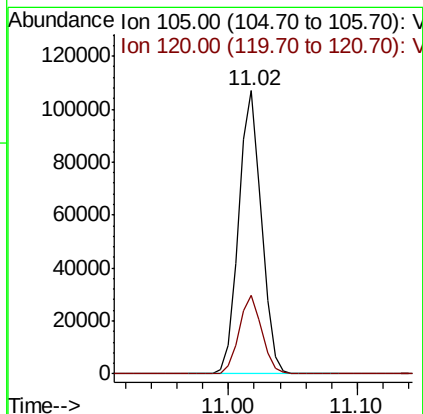
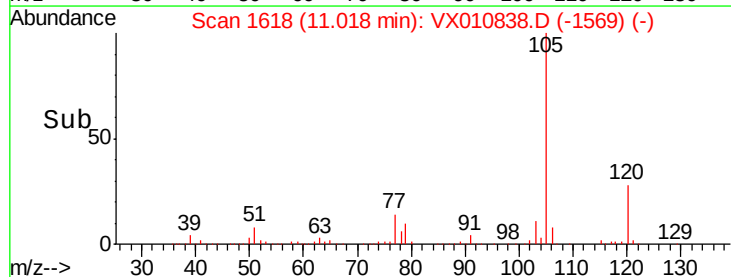
#73

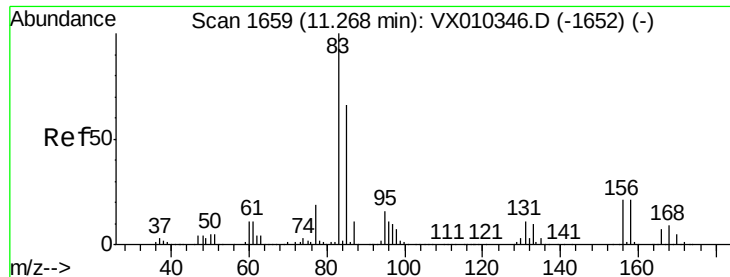
Isopropylbenzene
Concen: 12.340 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion:105 Resp: 131097
Ion Ratio Lower Upper
105 100
120 27.7 14.1 42.4



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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.262 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

FL-0581

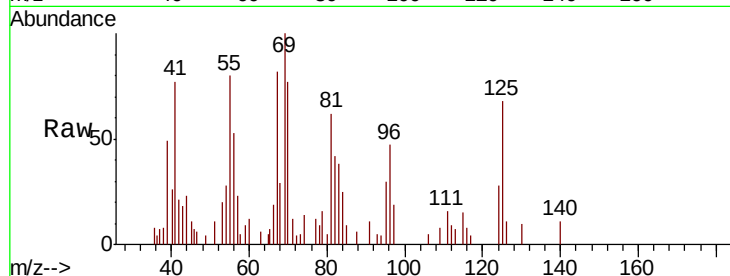
Tot Ion: 83 Resp: 921

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

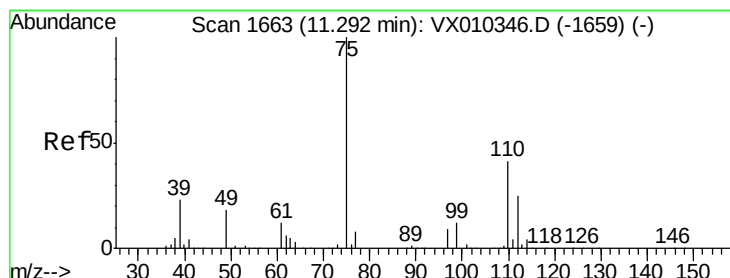
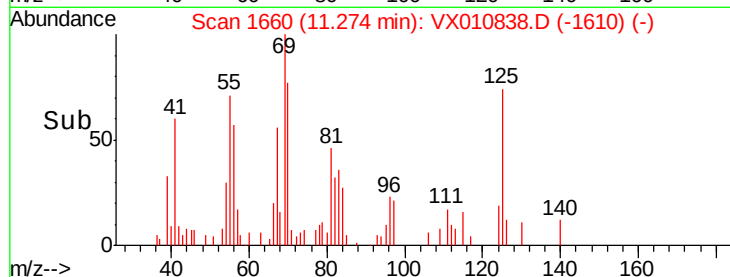
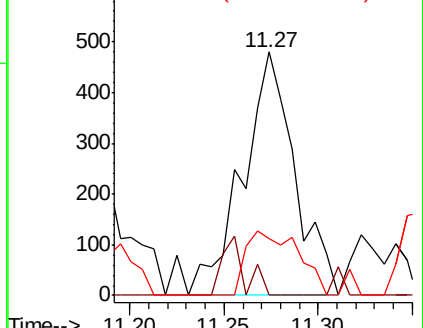
85 26.5 32.3 96.8#



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: 3.204 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010838.D

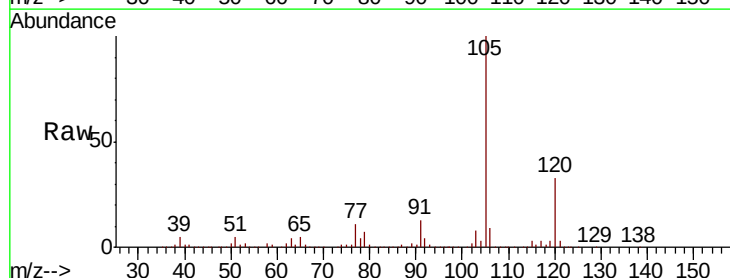
Acq: 12 Jul 2019 16:03

Tgt Ion: 75 Resp: 9149

Ion Ratio Lower Upper

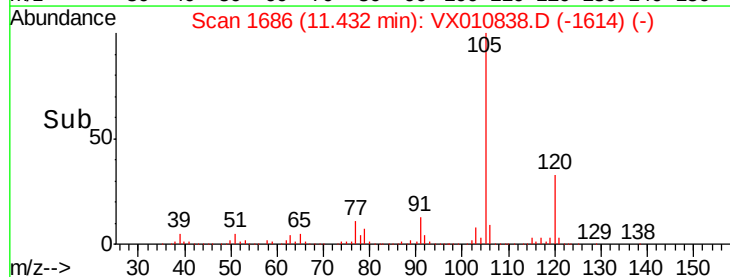
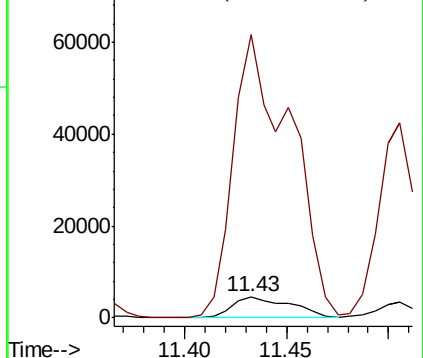
75 100

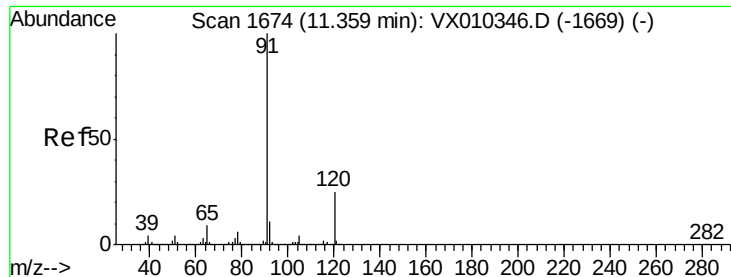
77 1316.0 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 14.109 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

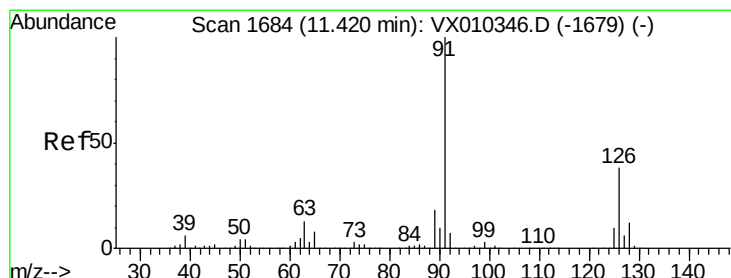
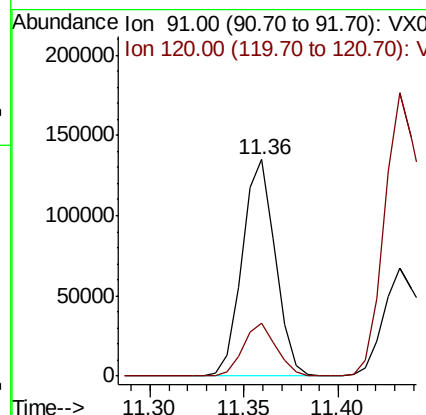
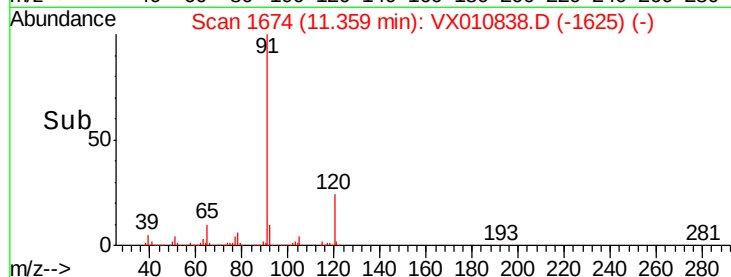
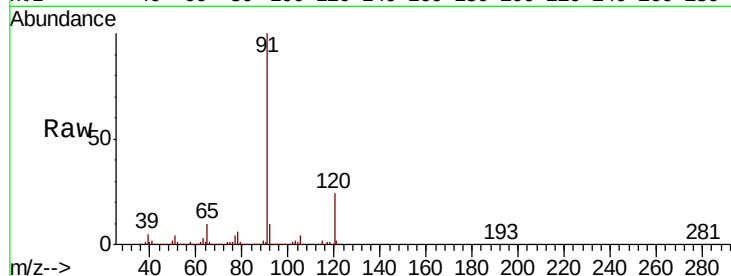
FL-0581

Tot Ion: 91 Resp: 164734

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.4



#79

2-Chlorotoluene

Concen: 18.884 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010838.D

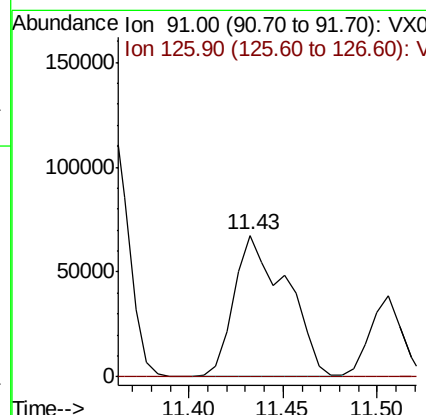
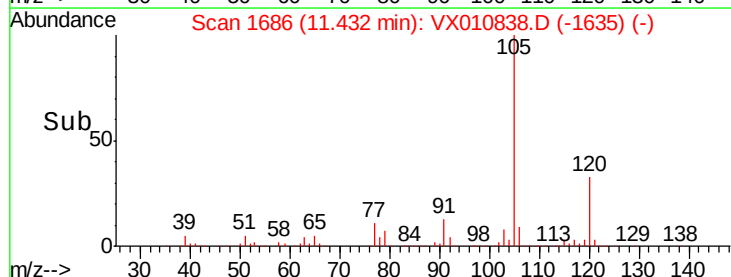
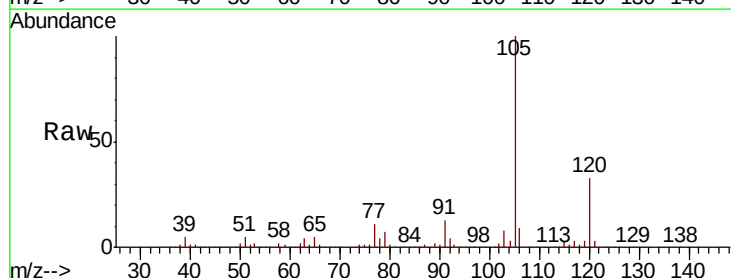
Acq: 12 Jul 2019 16:03

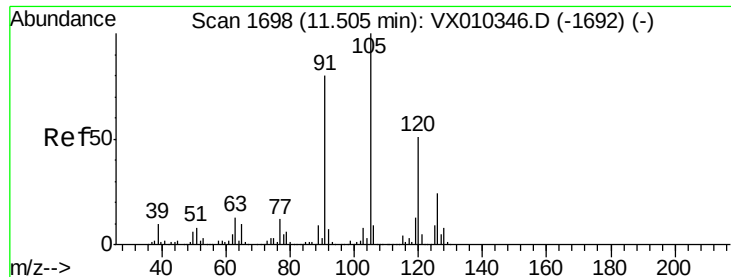
Tgt Ion: 91 Resp: 131292

Ion Ratio Lower Upper

91 100

126 0.1 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 49.713 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

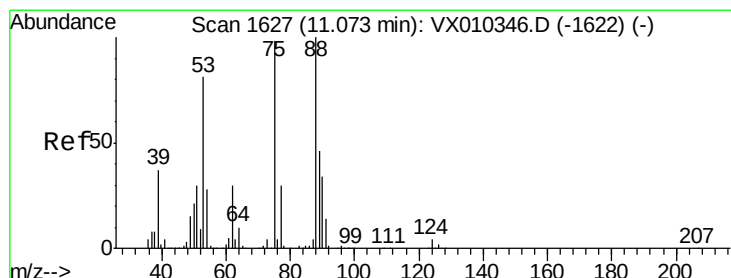
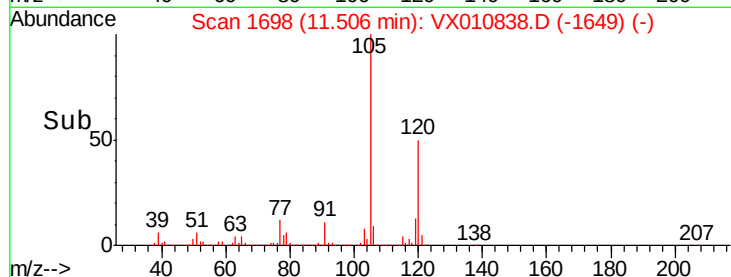
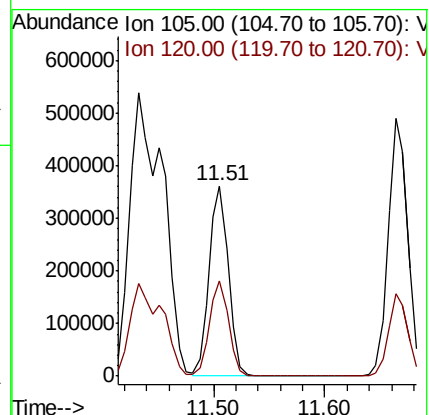
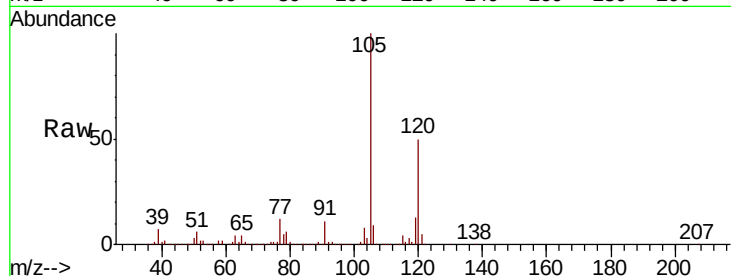
FL-0581

Tot Ion:105 Resp: 435373

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6



#81

trans-1,4-Dichloro-2-butene

Concen: 55.900 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

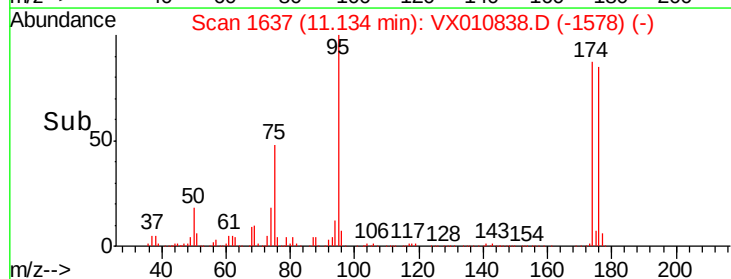
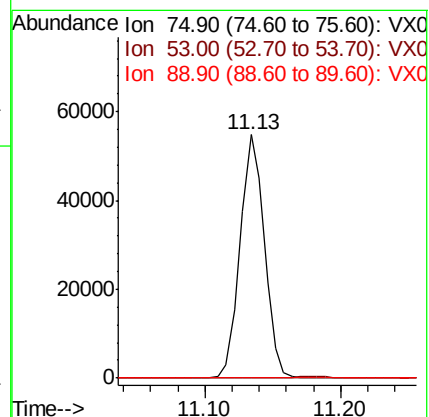
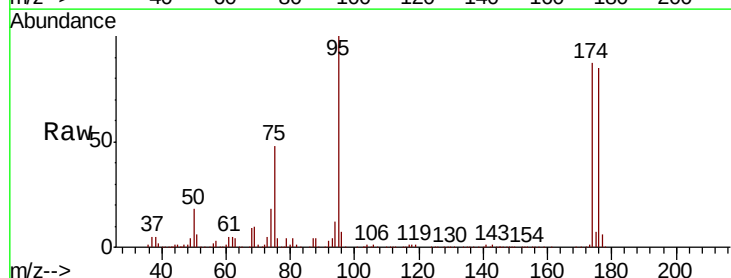
Tgt Ion: 75 Resp: 68429

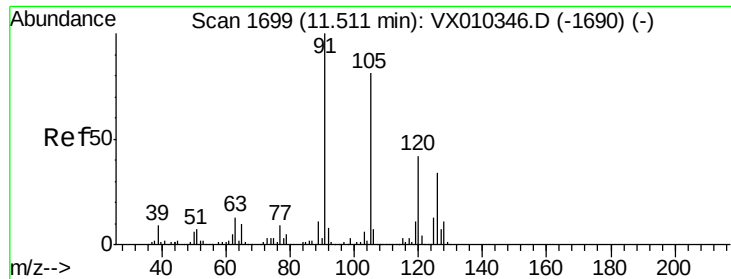
Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

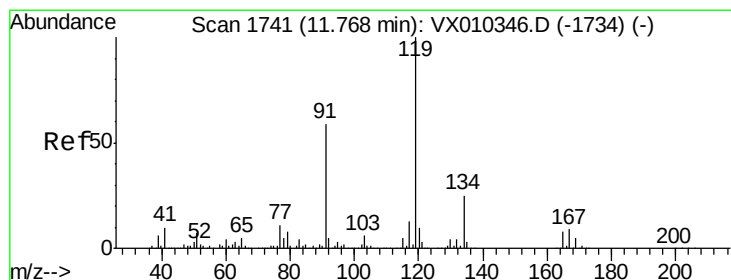
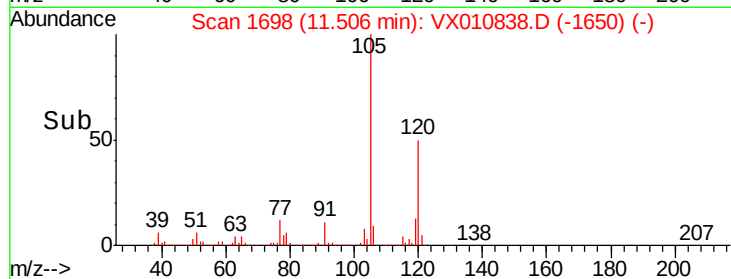
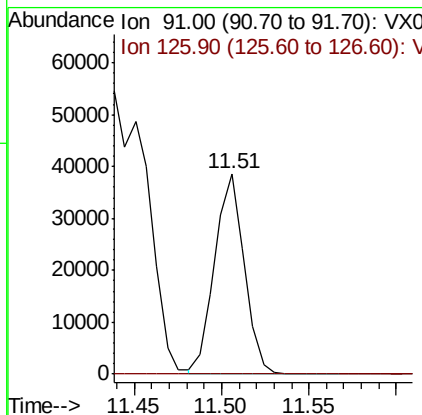
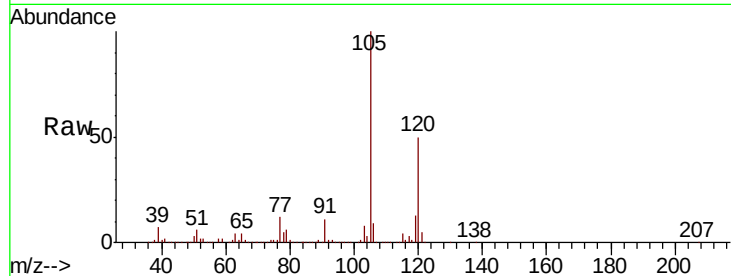




#82
4-Chlorotoluene
Concen: 5.727 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

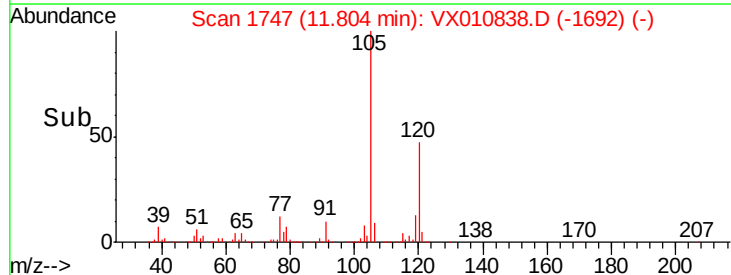
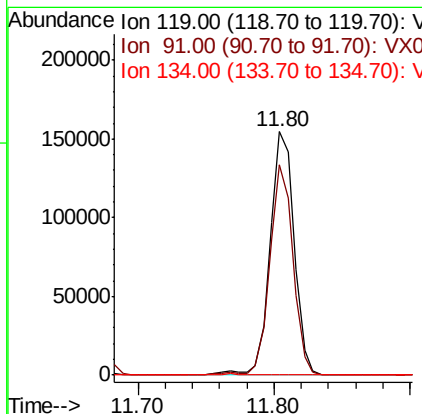
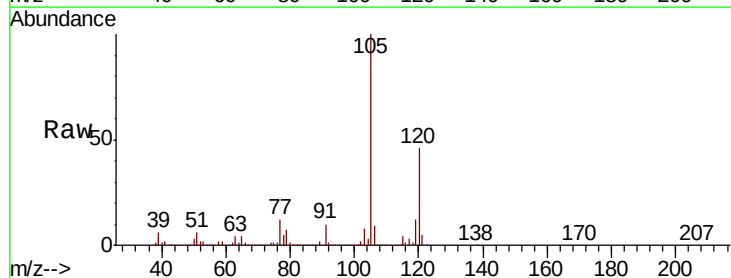
Instrument :
MSVOA_X
ClientSampled :
FL-0581

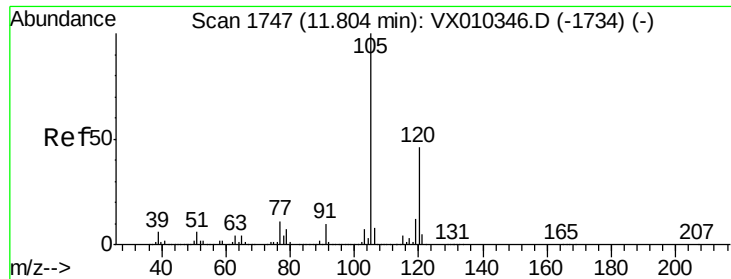
Tot Ion: 91 Resp: 45307
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#83
tert-Butylbenzene
Concen: 21.881 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion: 119 Resp: 192334
Ion Ratio Lower Upper
119 100
91 83.9 27.6 82.7#
134 0.0 11.8 35.4#





#84

1,2,4-Trimethylbenzene

Concen: 173.157 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

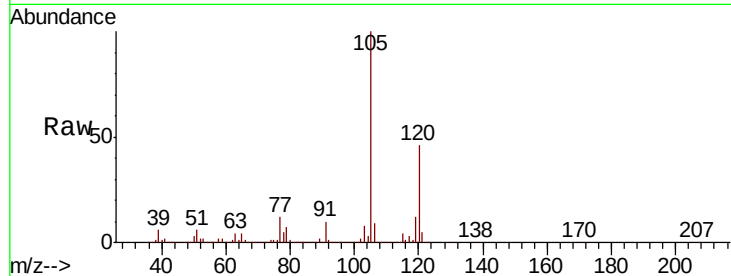
FL-0581

Tot Ion:105 Resp: 1523564

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

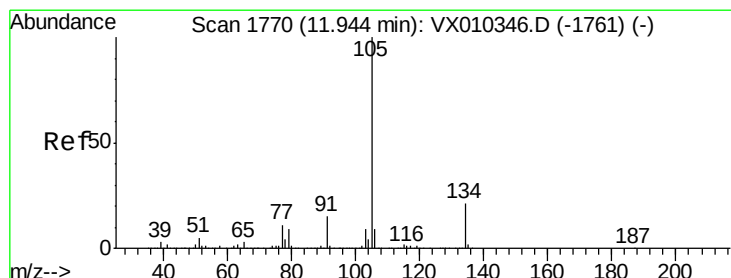
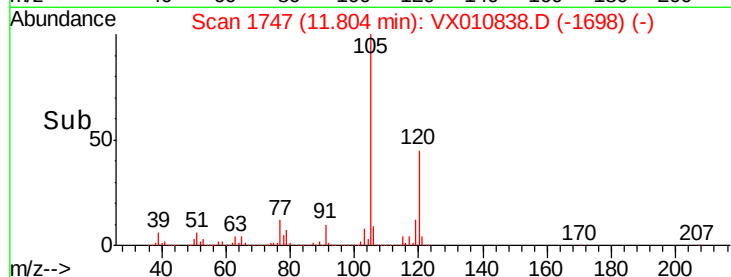
1500000

1000000

500000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 147.624 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX010838.D

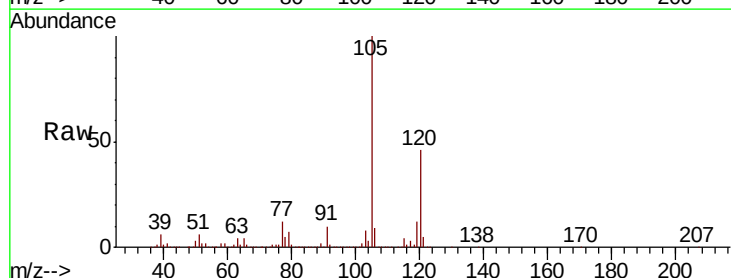
Acq: 12 Jul 2019 16:03

Tgt Ion:105 Resp: 1523564

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.80

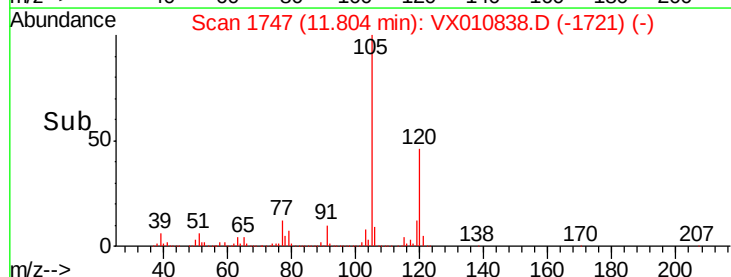
1500000

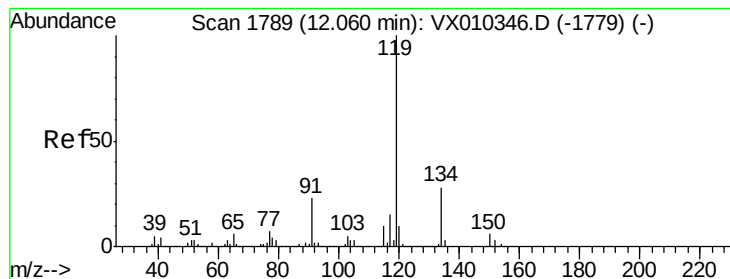
1000000

500000

0

Time--> 11.70 11.80 11.90





#86

p-Isopropyltoluene

Concen: 4.706 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

FL-0581

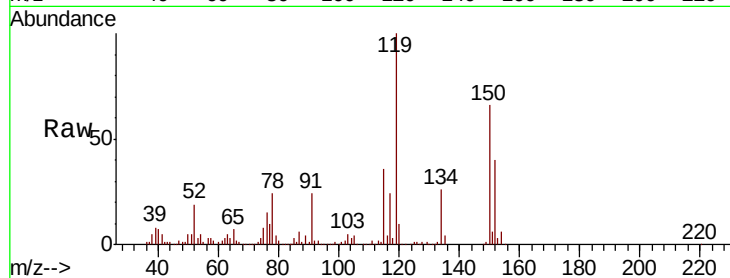
Tot Ion:119 Resp: 44921

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

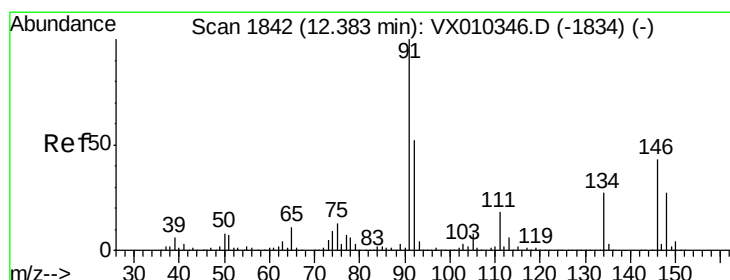
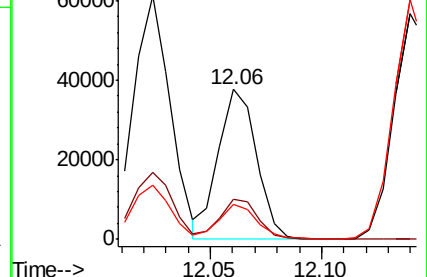
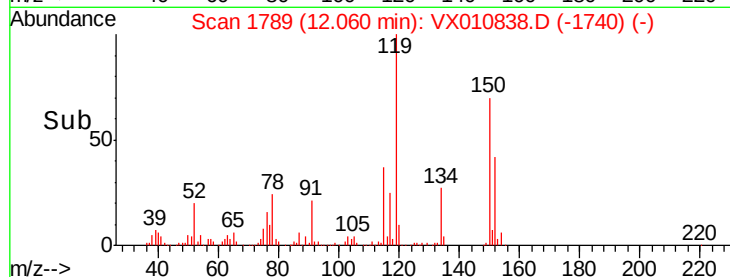
91 22.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 4.072 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

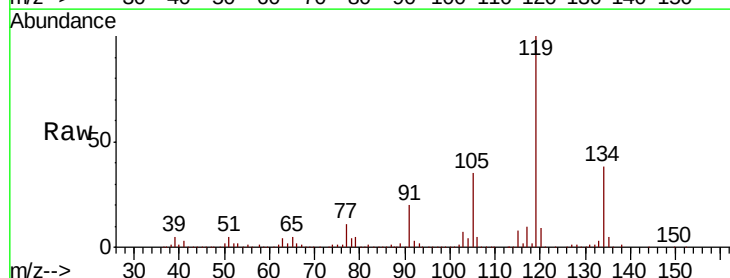
Tgt Ion: 91 Resp: 33031

Ion Ratio Lower Upper

91 100

92 24.2 26.2 78.5#

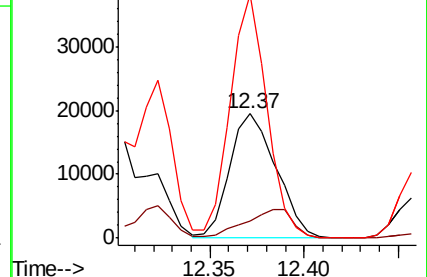
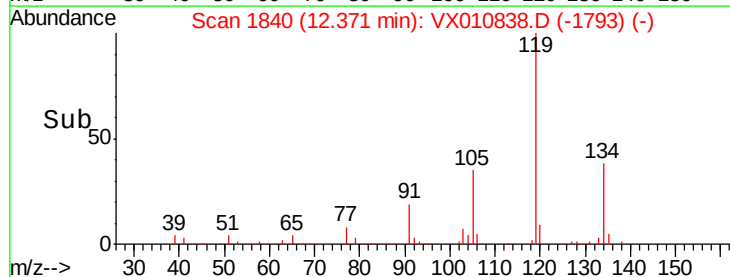
134 154.9 14.1 42.4#

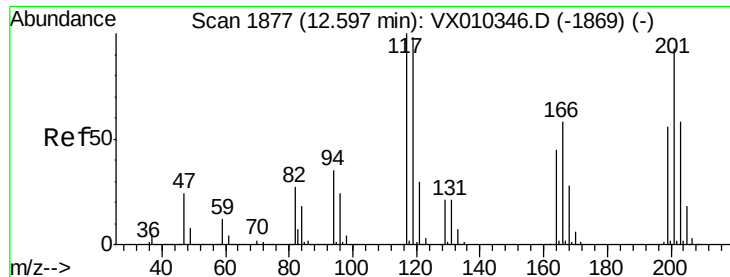


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 7.025 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

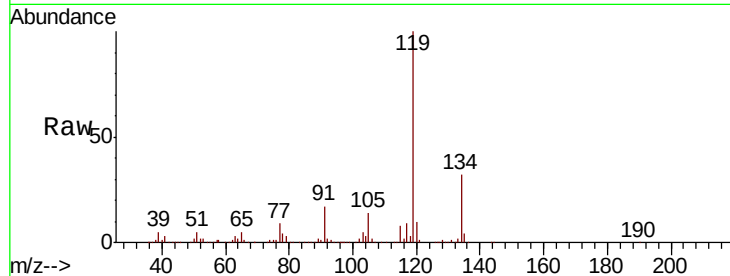
FL-0581

Tot Ion:117 Resp: 11596

Ion Ratio Lower Upper

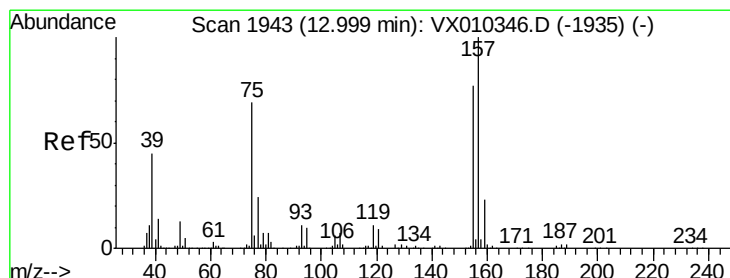
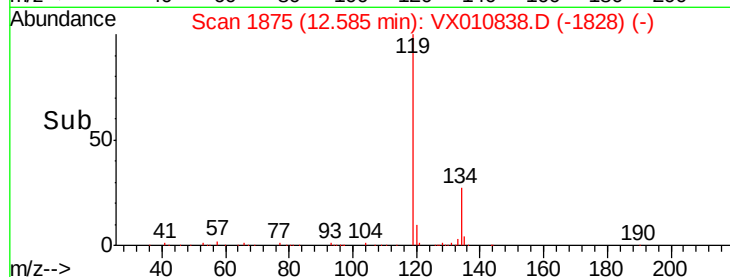
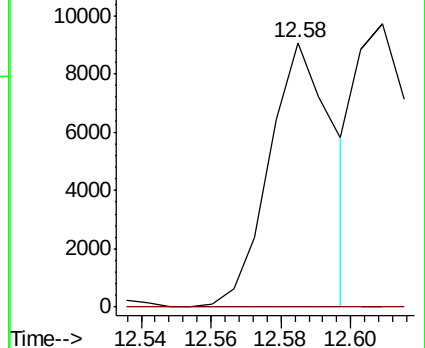
117 100

201 0.0 44.0 131.8#



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: 1.751 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

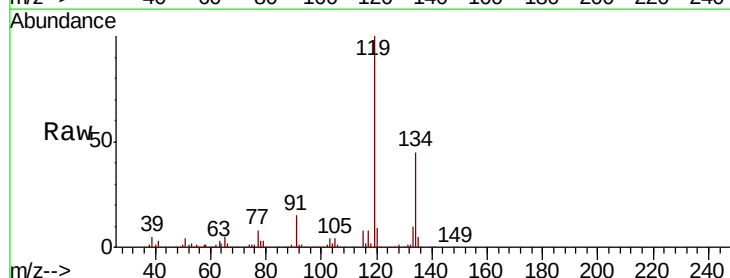
Tgt Ion: 75 Resp: 1328

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

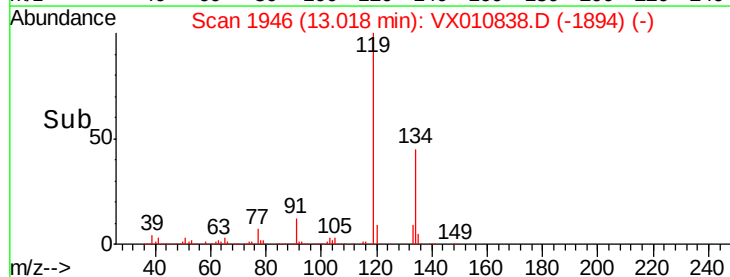
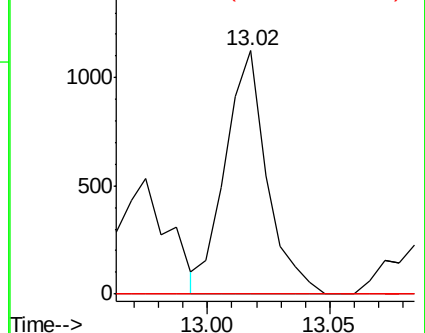
157 0.0 69.5 208.3#

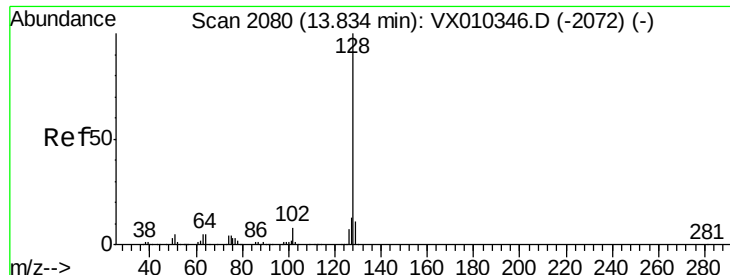


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

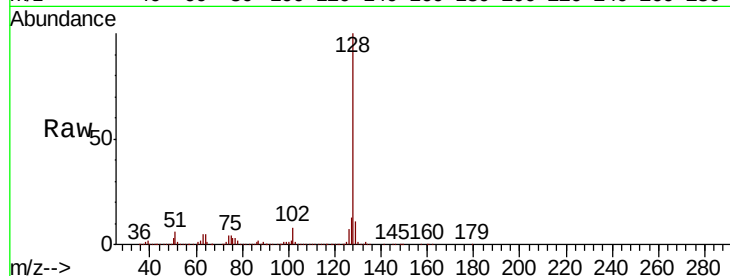




#95
Naphthalene
Concen: 28.354 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.6	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

