

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010962.D
 Acq On : 18 Jul 2019 16:32
 Operator : JC/SP
 Sample : K3884-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609

Quant Time: Jul 19 01:34:24 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	225874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185809	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	118476	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	5.50	113	107581	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	8.71	98	434492	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.13	95	173443	56.17	ug/l	0.00
Spiked Amount			Recovery	=	112.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	73	0.576	ug/l #	43
5) Bromomethane	1.65	94	604	0.506	ug/l #	75
11) Tert butyl alcohol	3.03	59	2906	5.193	ug/l #	73
13) Acrolein	2.27	56	519	1.605	ug/l #	1
14) Allyl chloride	2.84	41	58989	20.185	ug/l #	63
15) Acrylonitrile	3.17	53	9129	8.073	ug/l #	38
16) Acetone	2.40	43	26657	24.562	ug/l #	51
17) Carbon Disulfide	2.57	76	1250	0.242	ug/l #	44
18) Methyl Acetate	2.85	43	146962	59.469	ug/l #	48
20) Methylene Chloride	2.85	84	722	0.314	ug/l #	1
25) 2-Butanone	4.68	43	1995	1.281	ug/l #	86
26) 2,2-Dichloropropane	4.40	77	7782	2.648	ug/l #	50
29) Tetrahydrofuran	5.15	42	245	0.248	ug/l #	29
30) Chloroform	5.29	83	2839	0.734	ug/l #	63
31) Cyclohexane	5.59	56	841511	257.922	ug/l	99
36) 1,1-Dichloropropene	5.66	75	14837	5.119	ug/l #	48
38) Carbon Tetrachloride	5.65	117	21162	7.006	ug/l #	17
39) Methylcyclohexane	7.46	83	673268	179.112	ug/l	98
40) Benzene	6.14	78	73342	8.260	ug/l	96
42) 1,2-Dichloroethane	6.14	62	884	0.286	ug/l #	73
43) Isopropyl Acetate	6.45	43	7806	1.599	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	6997	3.096	ug/l #	1
47) Bromodichloromethane	7.85	83	1421	0.494	ug/l #	67
48) Methyl methacrylate	7.73	41	28836	12.129	ug/l #	50
49) 1,4-Dioxane	7.89	88	21	0.316	ug/l #	24
51) 4-Methyl-2-Pentanone	8.66	43	7648	2.417	ug/l #	49
52) Toluene	8.79	92	378561	64.901	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	52282	21.769	ug/l #	18
56) Ethyl methacrylate	9.16	69	10929	3.111	ug/l #	1
60) Dibromochloromethane	9.67	129	23	2.536	ug/l #	1
67) Ethyl Benzene	10.26	91	9392407	797.140	ug/l	93
68) m/p-Xylenes	10.37	106	11499939	2544.396	ug/l #	66
69) o-Xylene	10.70	106	3053878	692.330	ug/l	98
70) Styrene	10.70	104	153674	20.899	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

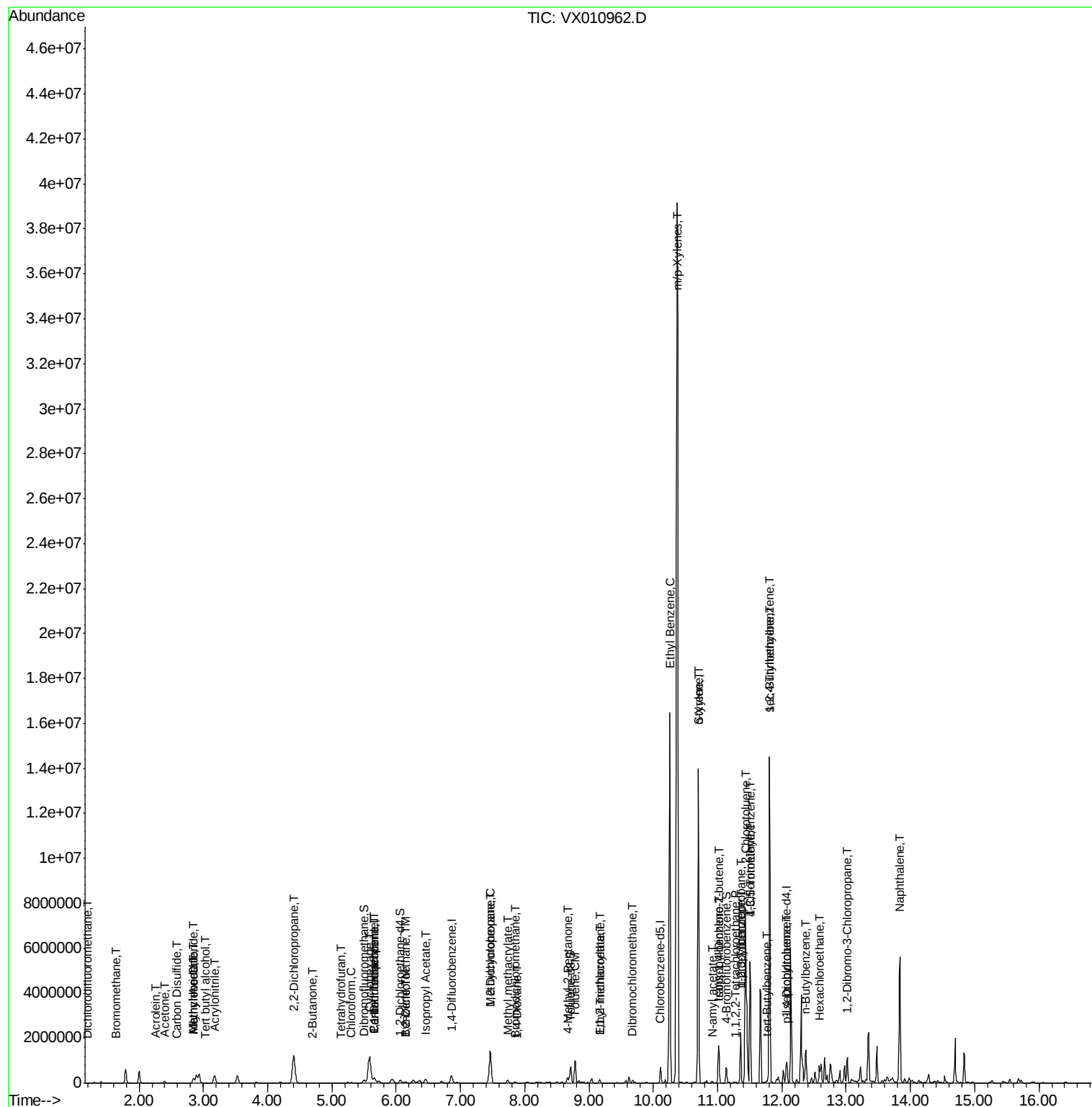
73) Isopropylbenzene	11.02	105	863096	68.745	uq/l	100
74) N-amyl acetate	10.91	43	2802	0.584	uq/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1538	0.374	uq/l #	80
76) 1,2,3-Trichloropropane	11.36	75	8621	2.571	uq/l #	1
78) n-propylbenzene	11.36	91	1314966	94.790	uq/l	99
79) 2-Chlorotoluene	11.43	91	674300	80.915	uq/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2271747	216.542	uq/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	10355	11.181	uq/l #	69
82) 4-Chlorotoluene	11.51	91	244660	25.225	uq/l #	43
83) tert-Butylbenzene	11.77	119	39177	3.802	uq/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	6136822	580.373	uq/l	97
85) sec-Butylbenzene	11.81	105	6136822	508.244	uq/l #	55
86) p-Isopropyltoluene	12.06	119	111105	9.953	uq/l	96
89) n-Butylbenzene	12.38	91	221906	23.236	uq/l #	27
90) Hexachloroethane	12.58	117	34429	19.554	uq/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	3523	4.102	uq/l #	1
95) Naphthalene	13.83	128	3461458	290.390	uq/l	100

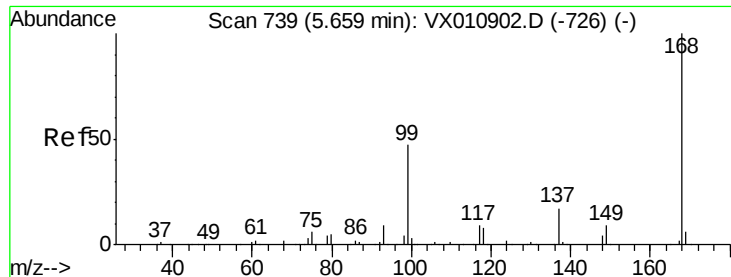
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

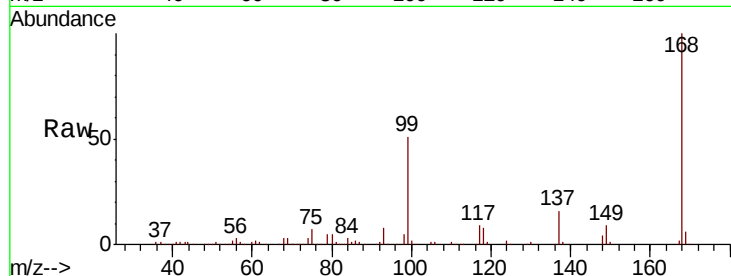
FL-0609

Tot Ion:168 Resp: 225874

Ion Ratio Lower Upper

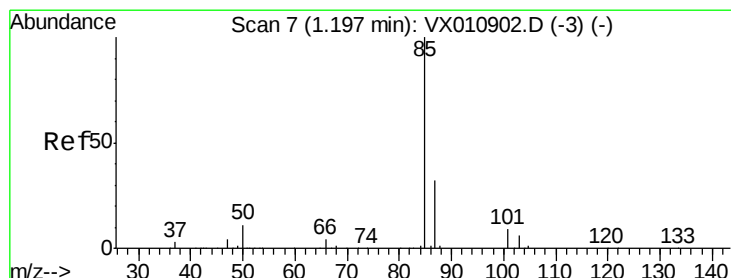
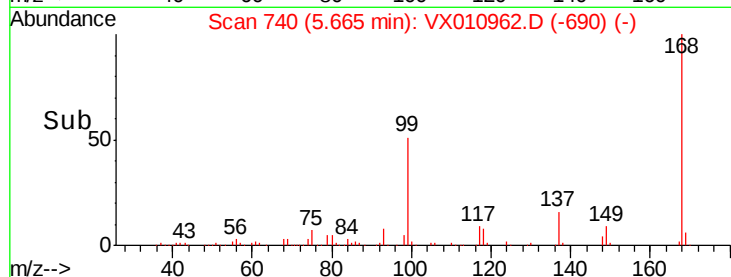
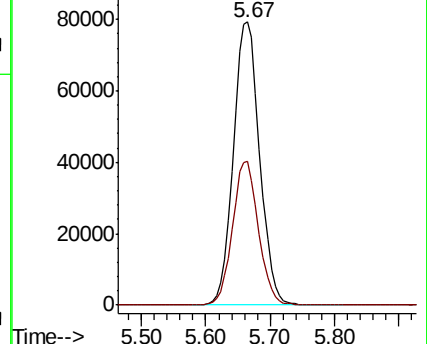
168 100

99 50.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.576 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010962.D

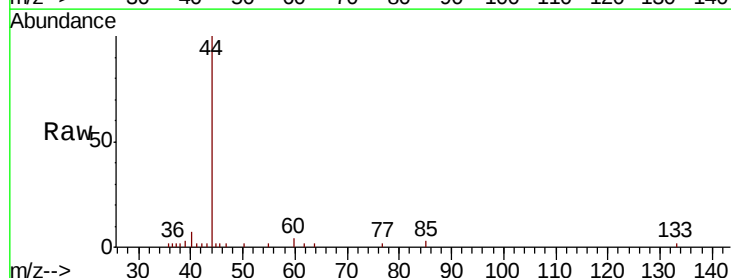
Acq: 18 Jul 2019 16:32

Tgt Ion: 85 Resp: 73

Ion Ratio Lower Upper

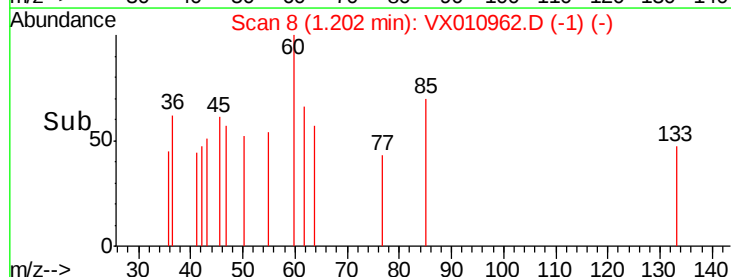
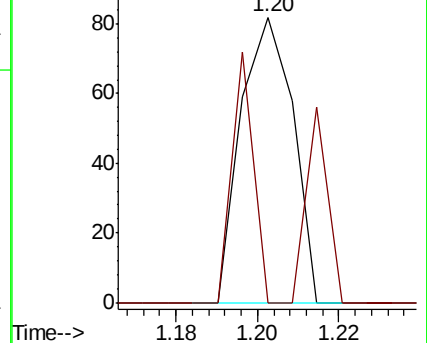
85 100

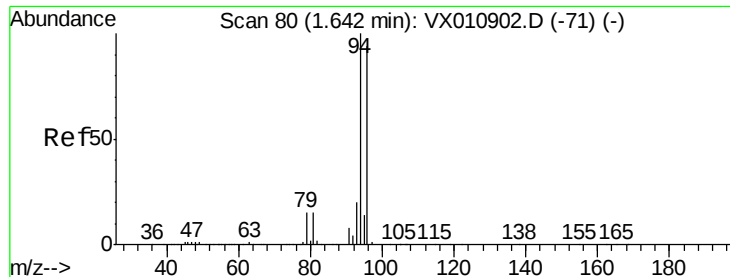
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.506 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

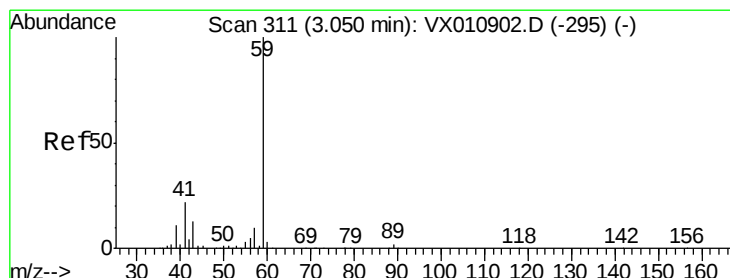
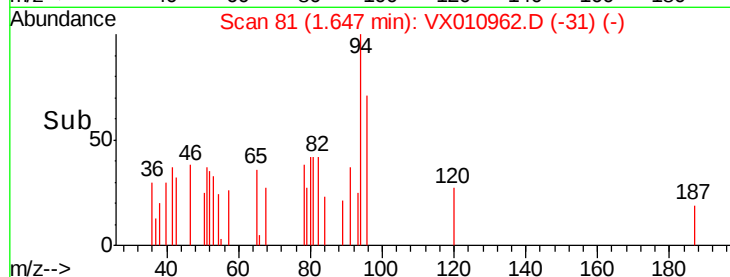
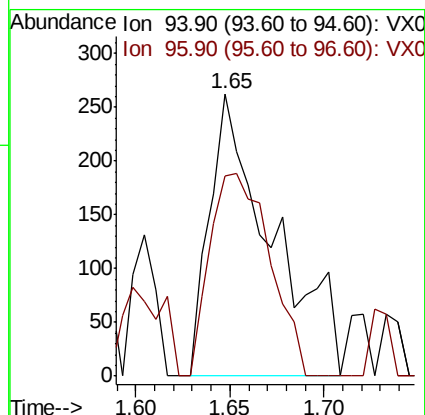
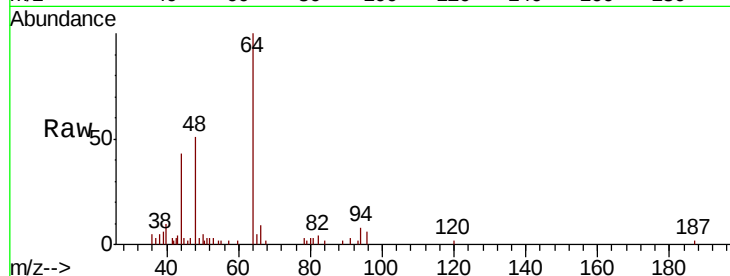
FL-0609

Tot Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 70.7 75.6 113.4#



#11

Tert butyl alcohol

Concen: 5.193 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010962.D

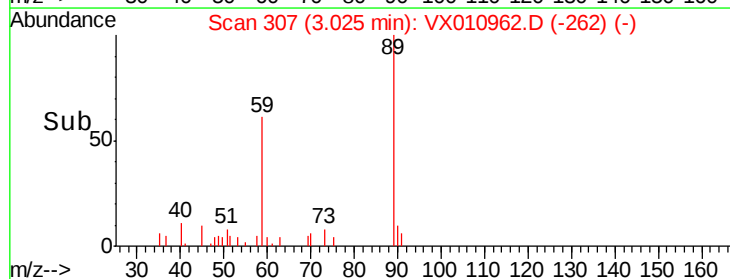
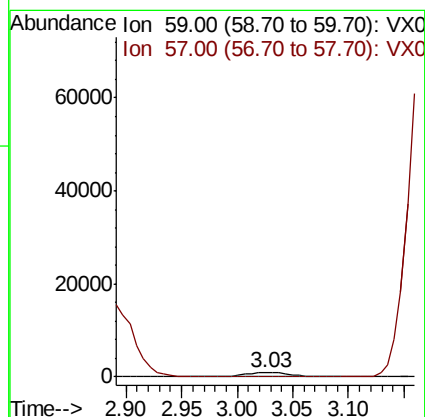
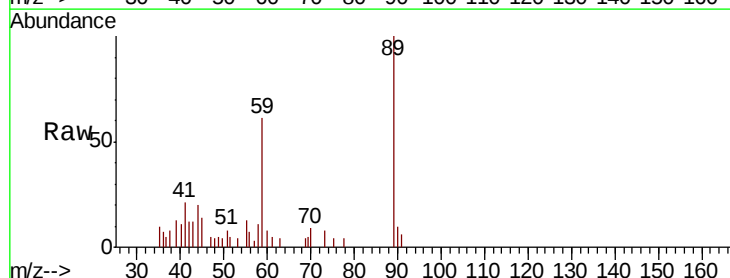
Acq: 18 Jul 2019 16:32

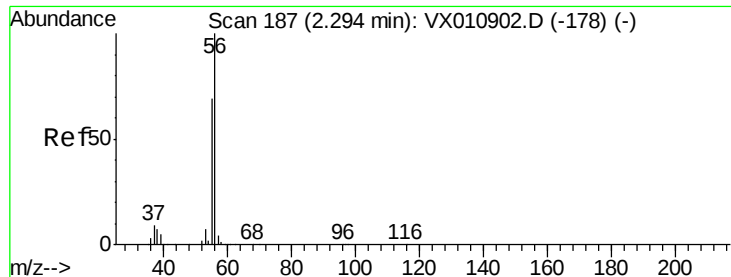
Tgt Ion: 59 Resp: 2906

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 1.605 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

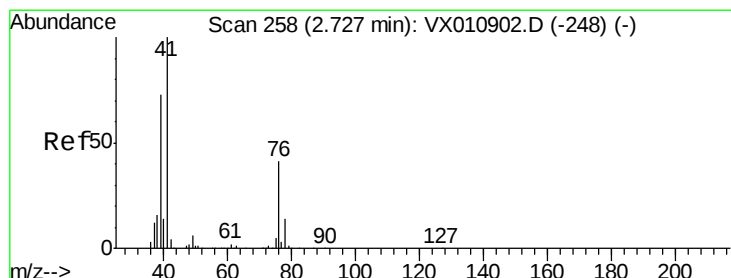
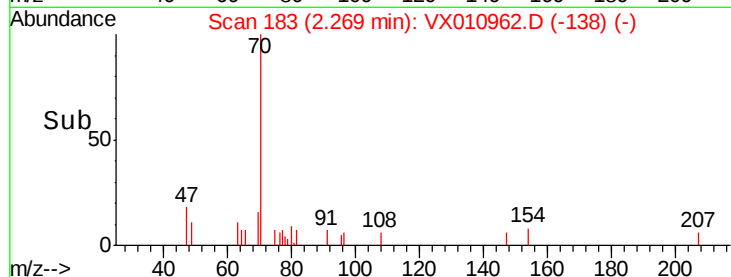
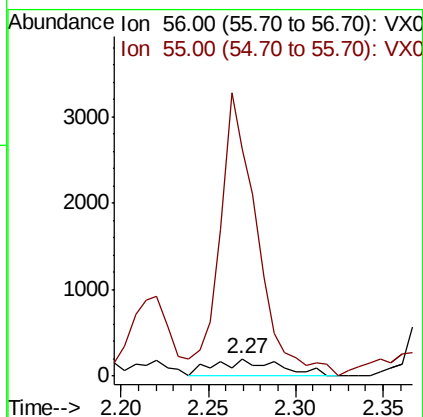
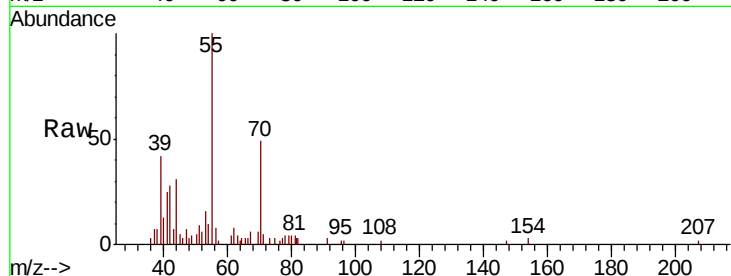
FL-0609

Tot Ion: 56 Resp: 519

Ion Ratio Lower Upper

56 100

55 928.5 55.9 83.9#



#14

Allyl chloride

Concen: 20.185 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

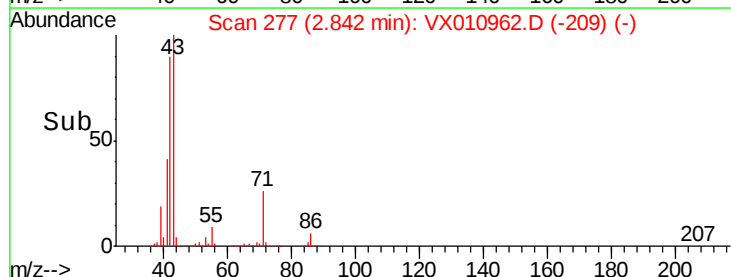
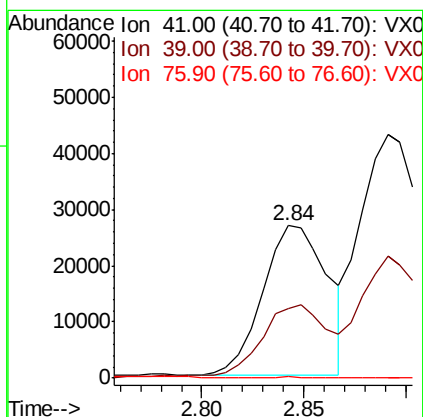
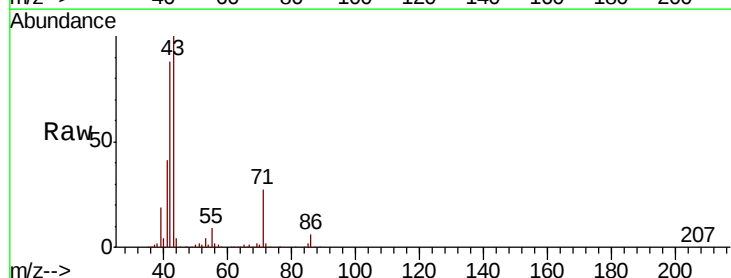
Tgt Ion: 41 Resp: 58989

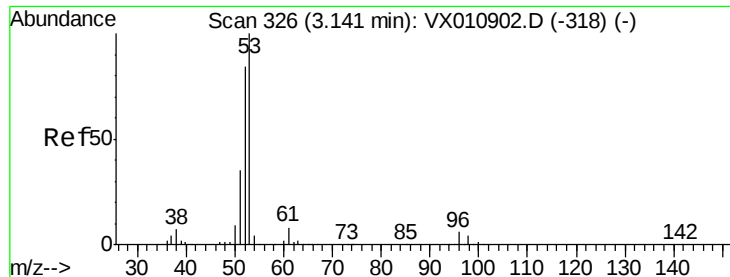
Ion Ratio Lower Upper

41 100

39 47.9 53.6 80.4#

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 8.073 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0609

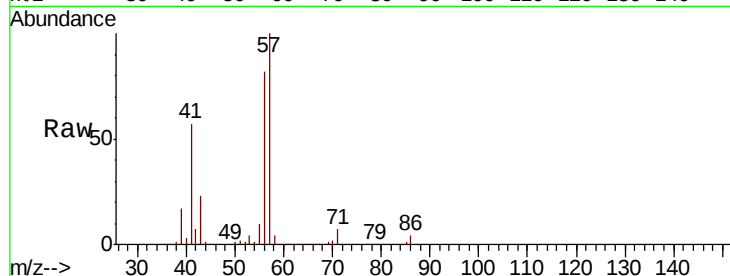
Tot Ion: 53 Resp: 9129

Ion Ratio Lower Upper

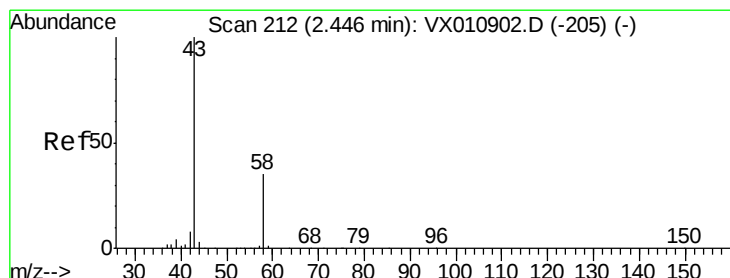
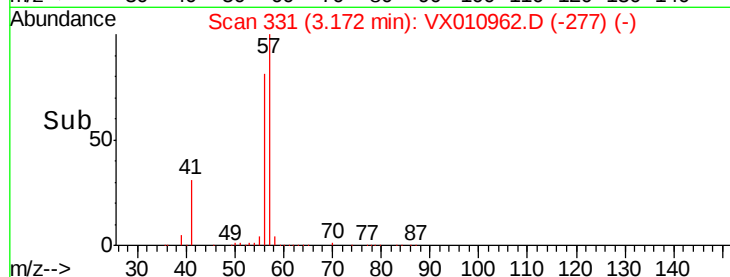
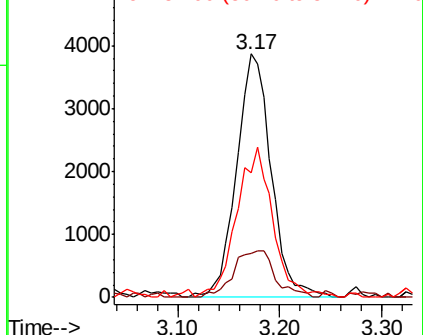
53 100

52 23.0 66.5 99.7#

51 64.3 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: 24.562 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010962.D

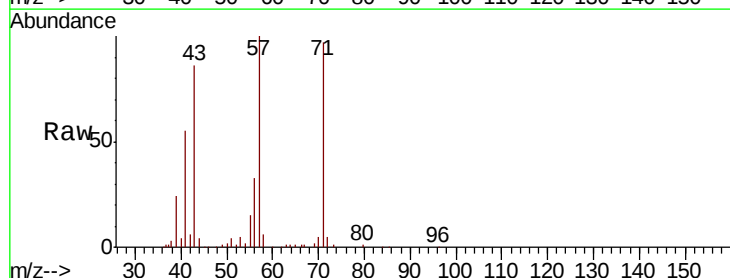
Acq: 18 Jul 2019 16:32

Tgt Ion: 43 Resp: 26657

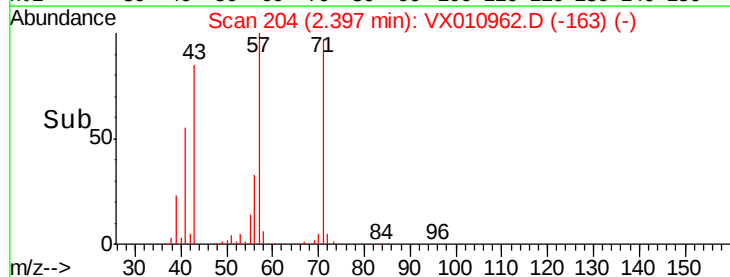
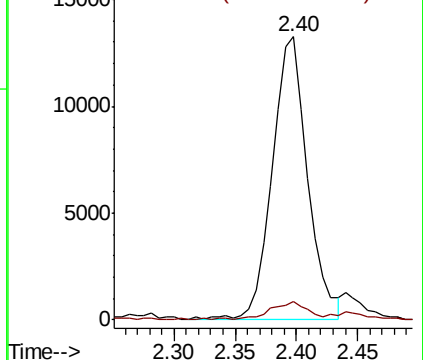
Ion Ratio Lower Upper

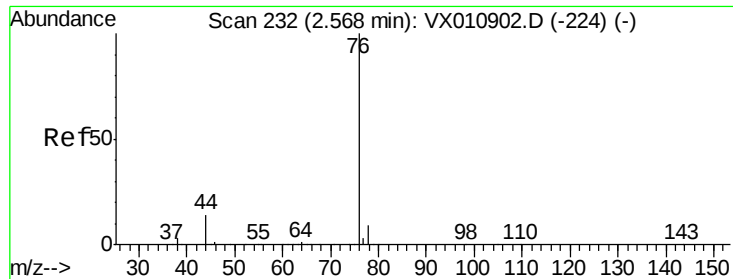
43 100

58 6.1 27.7 41.5#



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





#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

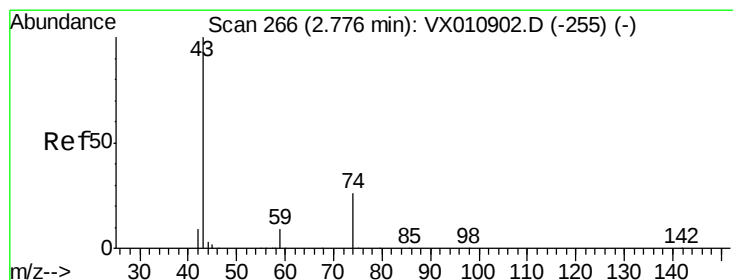
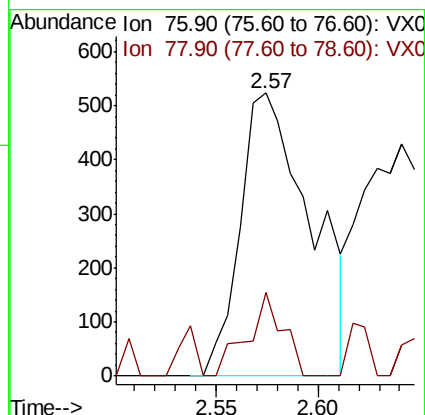
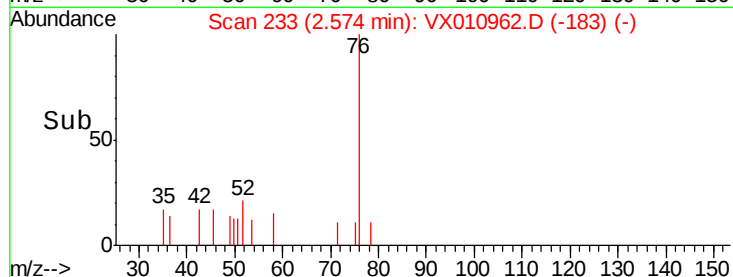
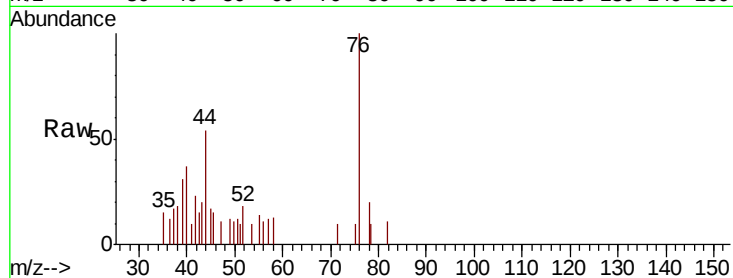
FL-0609

Tot Ion: 76 Resp: 1250

Ion Ratio Lower Upper

76 100

78 29.4 7.4 11.0#



#18

Methyl Acetate

Concen: 59.469 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010962.D

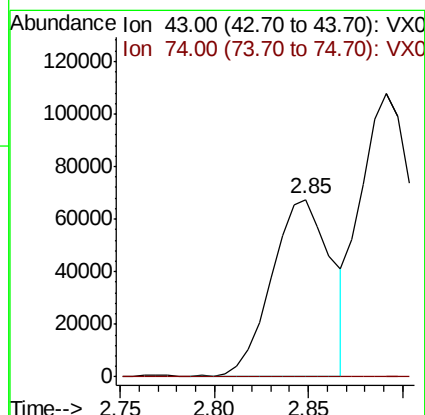
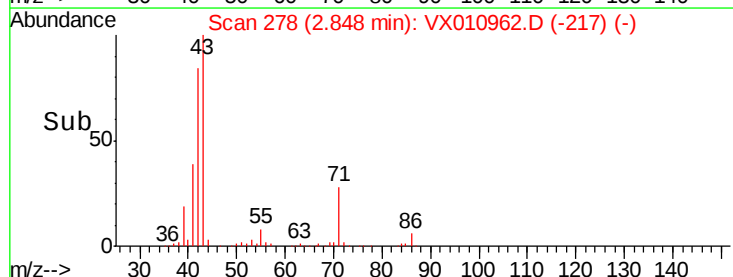
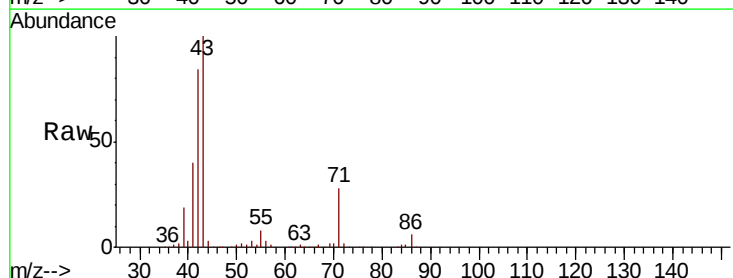
Acq: 18 Jul 2019 16:32

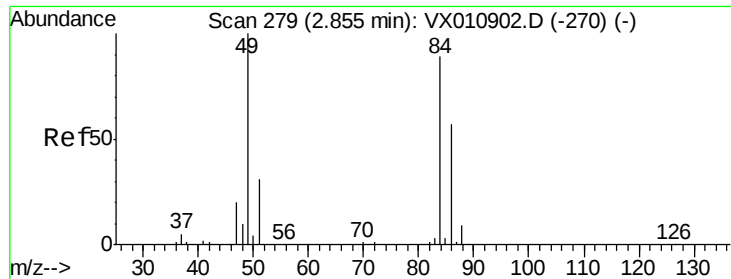
Tgt Ion: 43 Resp: 146962

Ion Ratio Lower Upper

43 100

74 0.0 21.5 32.3#

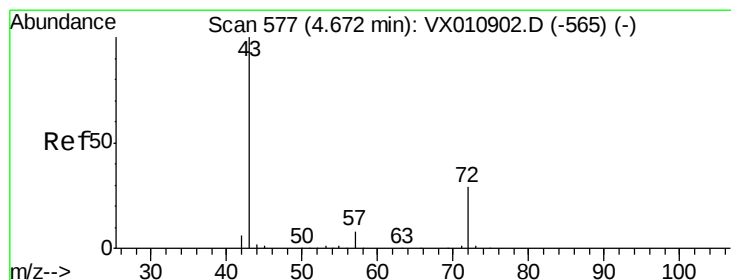
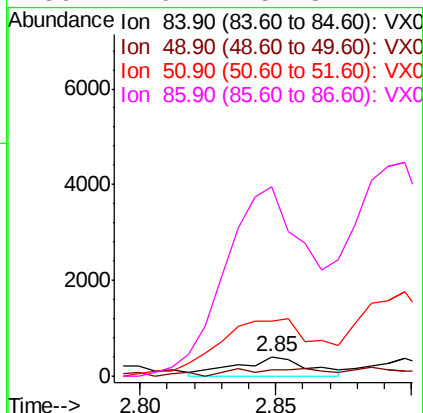
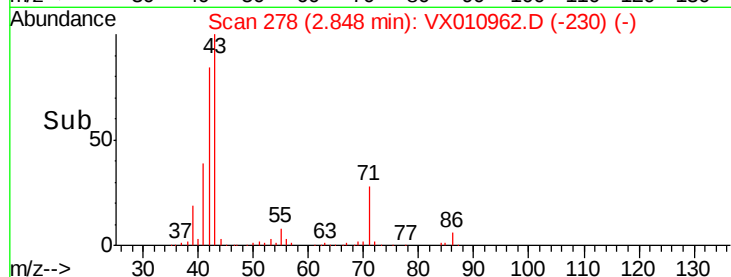
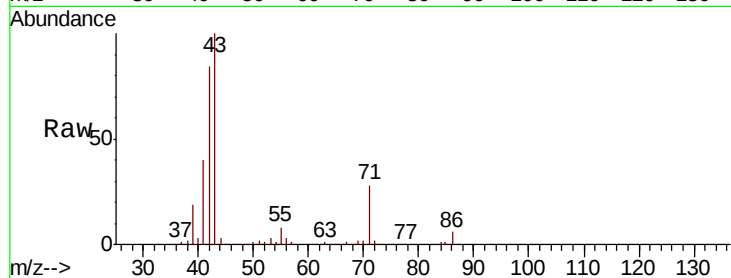




#20
Methvlene Chloride
Concen: 0.314 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

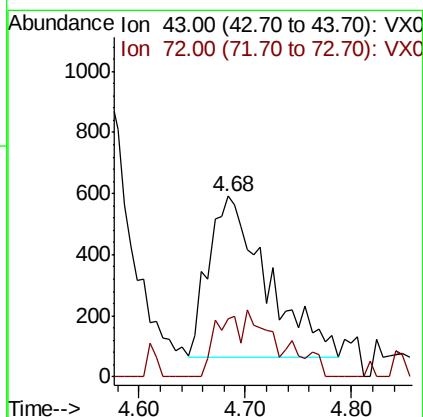
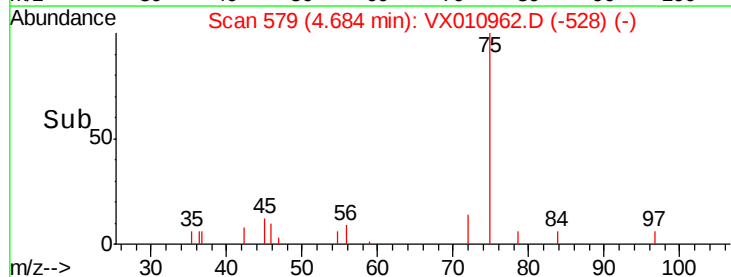
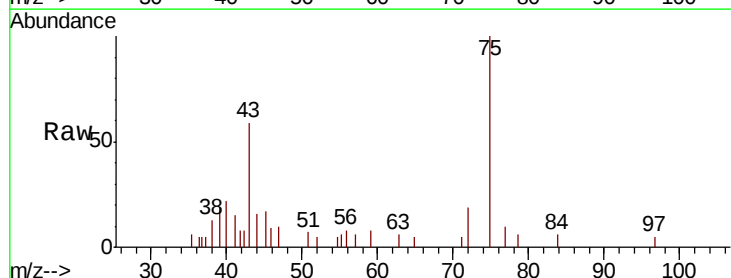
Instrument :
MSVOA_X
ClientSampleId :
FL-0609

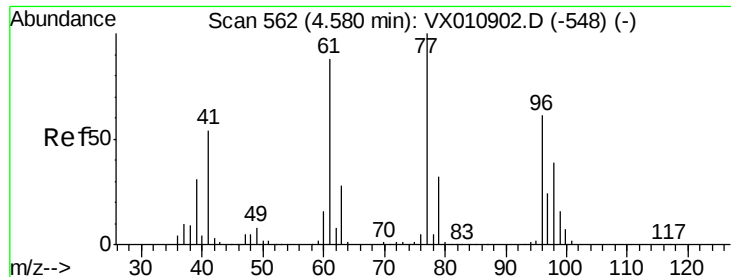
Tot Ion: 84 Resp: 722
Ion Ratio Lower Upper
84 100
49 22.7 89.9 134.9#
51 278.9 27.8 41.6#
86 1110.2 51.8 77.6#



#25
2-Butanone
Concen: 1.281 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
72 36.4 23.0 34.6#





#26

2,2-Dichloropropane

Concen: 2.648 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

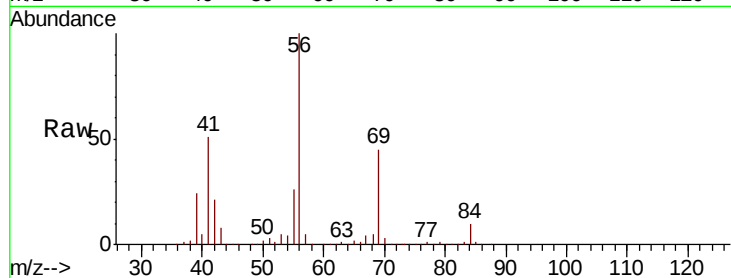
FL-0609

Tot Ion: 77 Resp: 7782

Ion Ratio Lower Upper

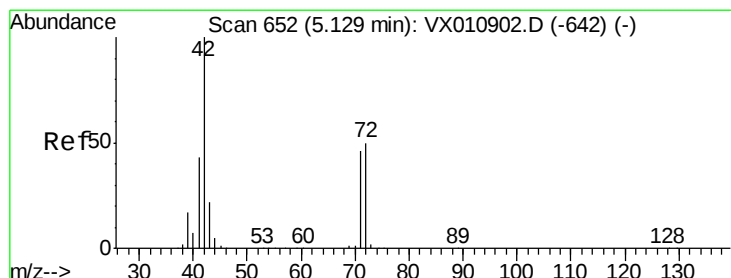
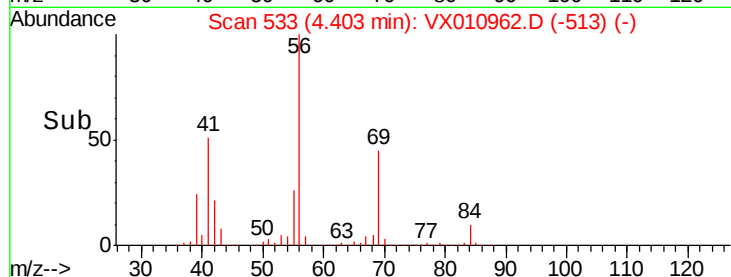
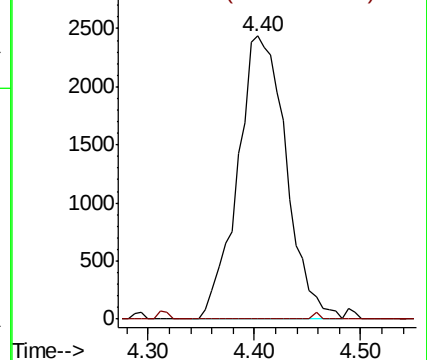
77 100

97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

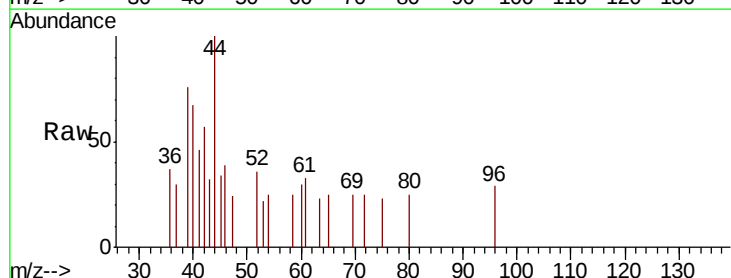
Tgt Ion: 42 Resp: 245

Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

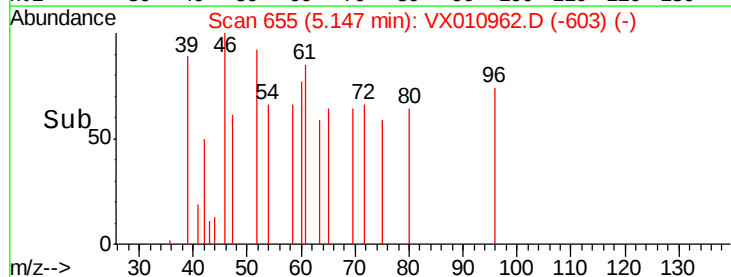
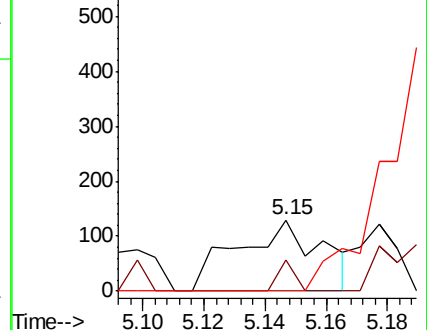
71 0.0 37.0 55.4#

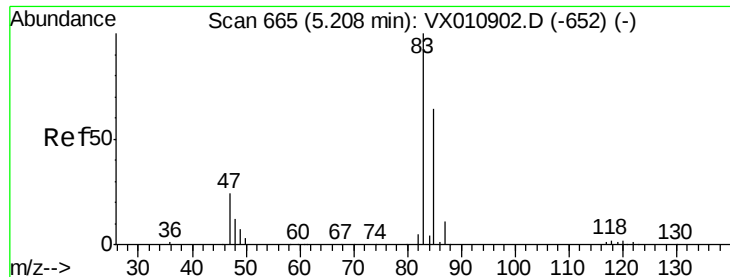


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

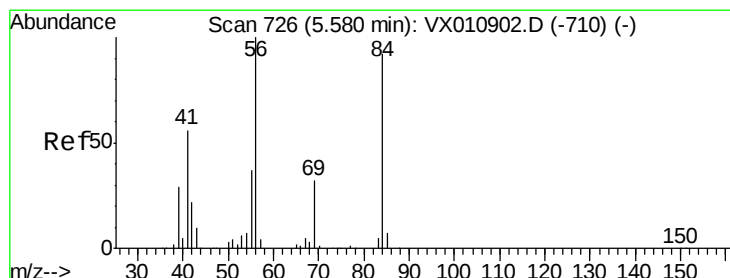
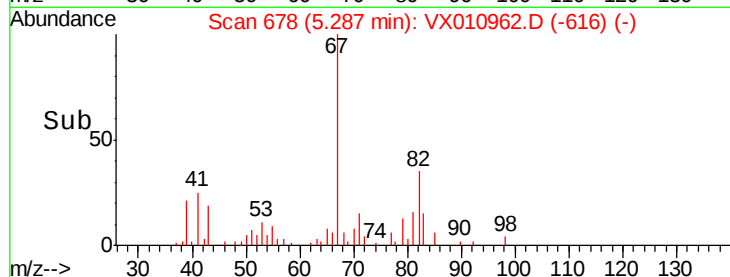
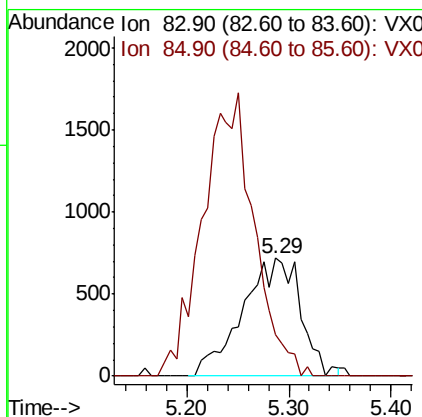
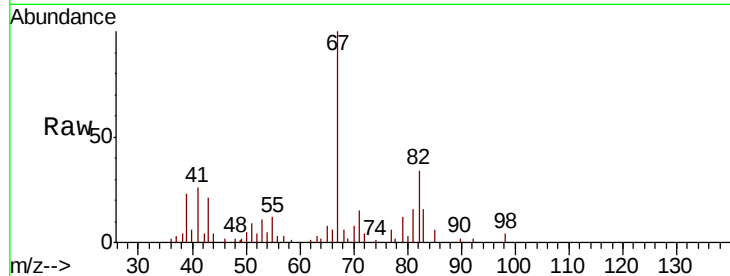




#30
Chloroform
Concen: 0.734 ug/l
RT: 5.29 min Scan# 678
Delta R.T. 0.08 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

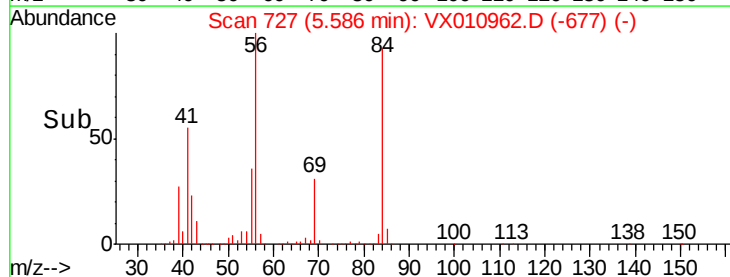
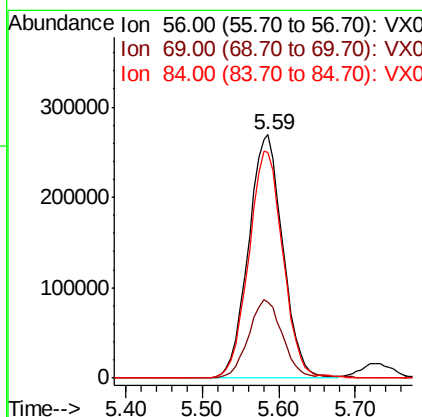
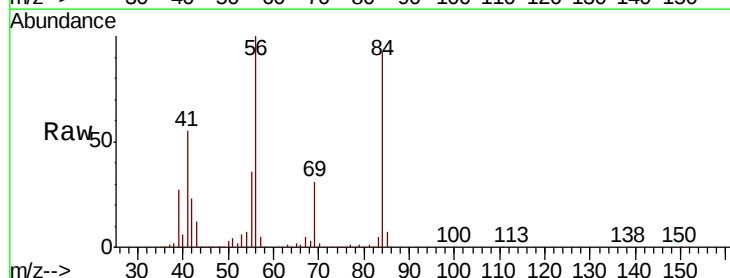
Instrument :
MSVOA_X
ClientSampled :
FL-0609

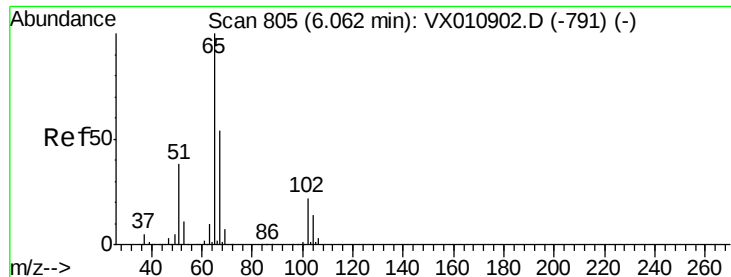
Tot Ion: 83 Resp: 2839
Ion Ratio Lower Upper
83 100
85 35.5 51.4 77.0#



#31
Cyclohexane
Concen: 257.922 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 56 Resp: 841511
Ion Ratio Lower Upper
56 100
69 30.8 25.8 38.8
84 93.0 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 49.304 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

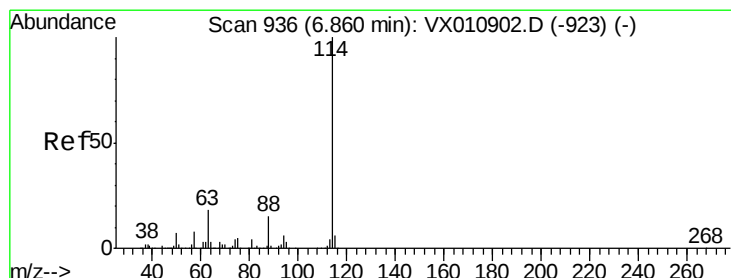
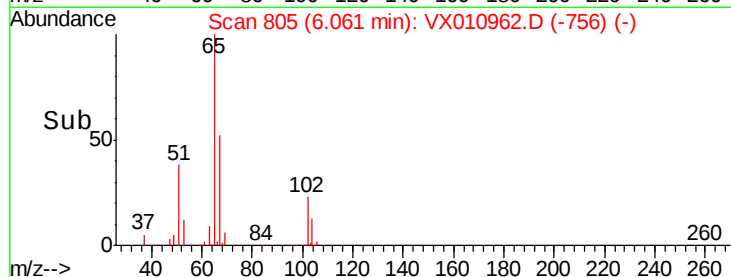
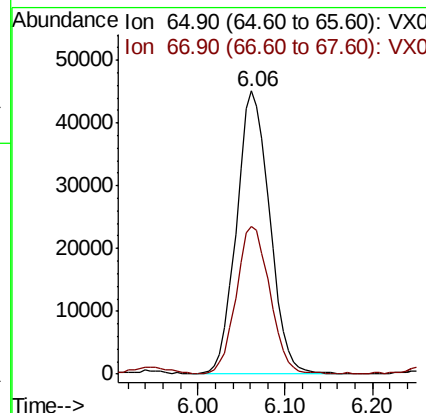
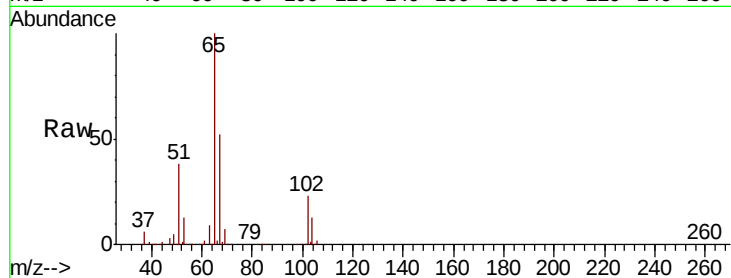
FL-0609

Tot Ion: 65 Resp: 118476

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

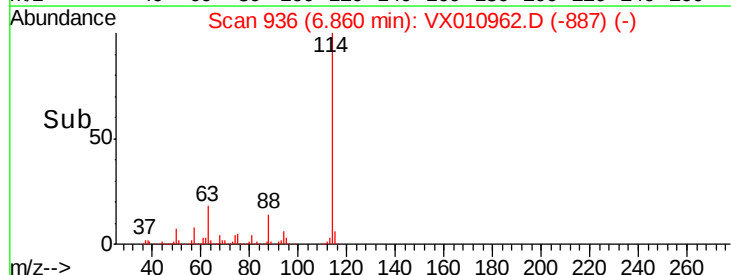
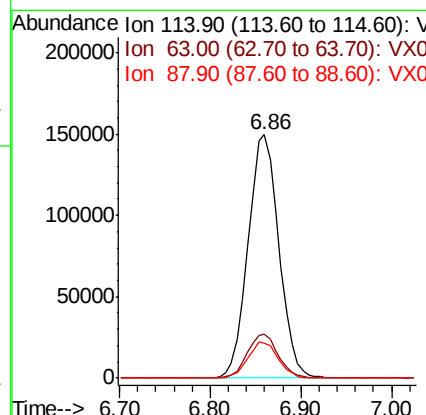
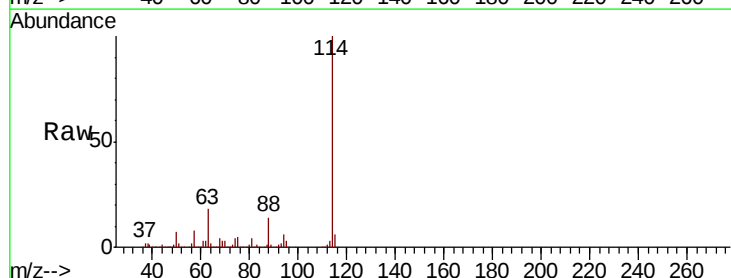
Tgt Ion: 114 Resp: 352882

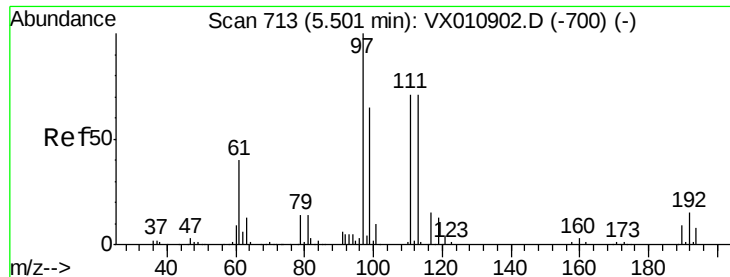
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.031 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0609

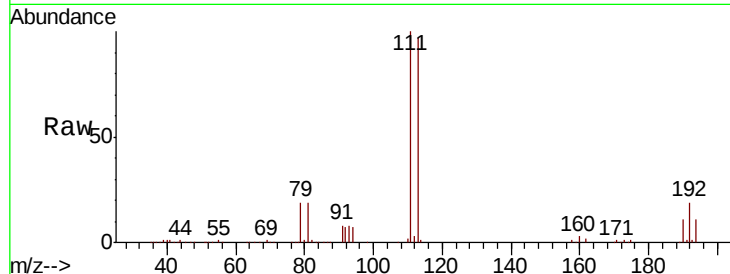
Tot Ion:113 Resp: 107581

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

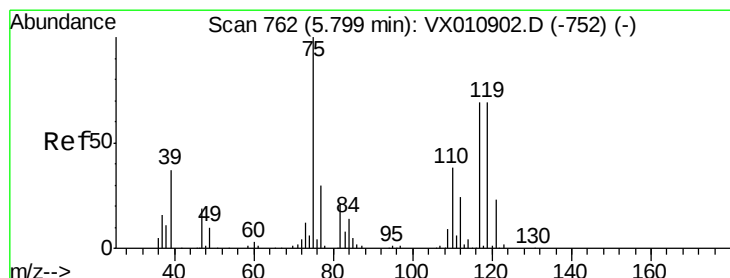
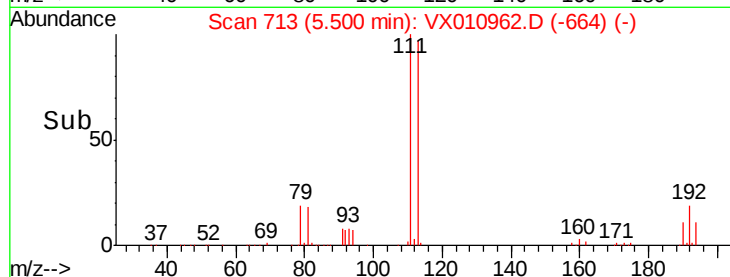
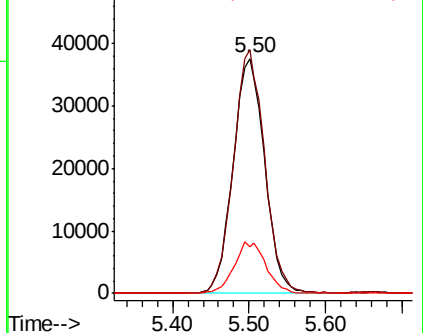
192 21.8 17.4 26.2



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: 5.119 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

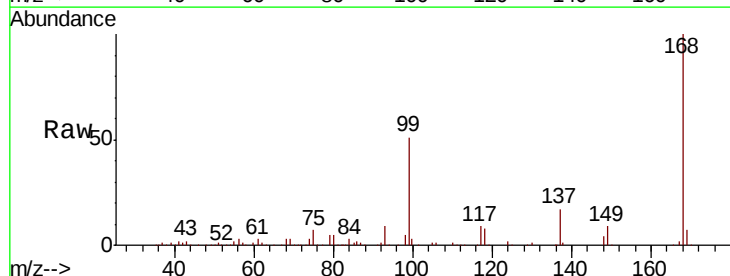
Tgt Ion: 75 Resp: 14837

Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.7#

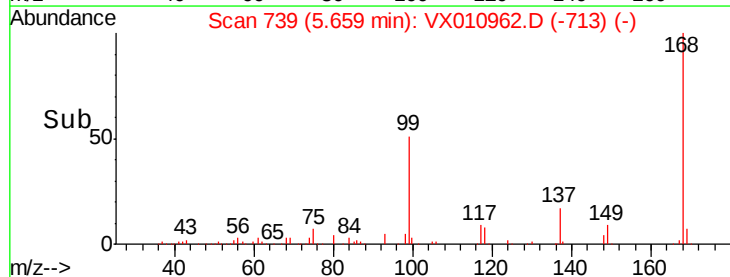
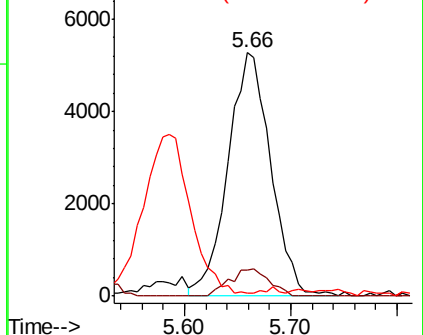
77 0.0 25.0 37.4#

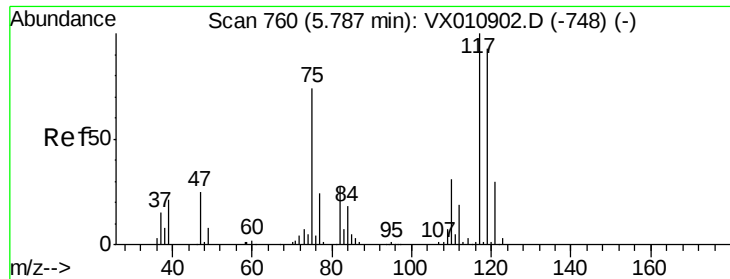


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

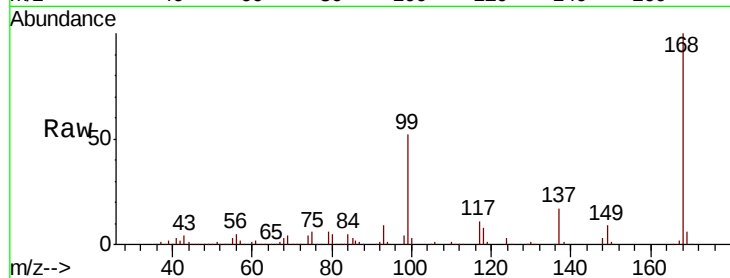




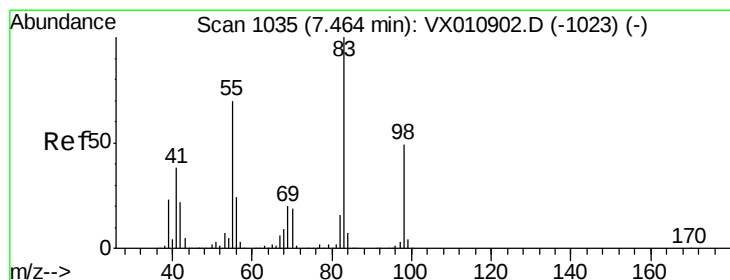
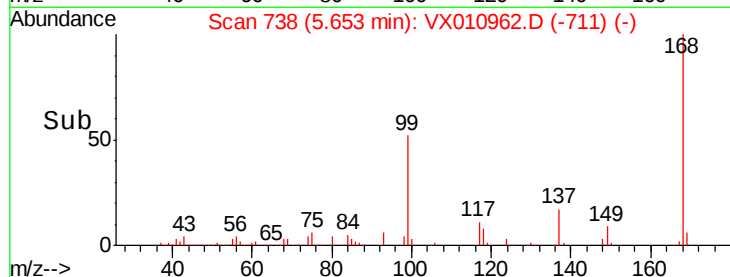
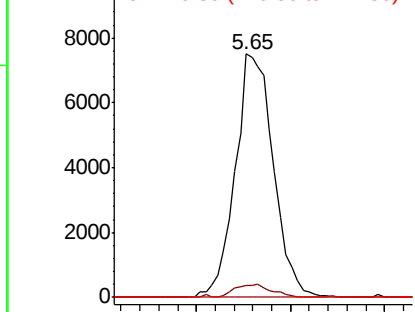
#38
Carbon Tetrachloride
Concen: 7.006 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Instrument :
MSVOA_X
ClientSampleId :
FL-0609

Tot Ion:117 Resp: 21162
Ion Ratio Lower Upper
117 100
119 5.0 74.2 111.2#
121 0.0 24.2 36.2#

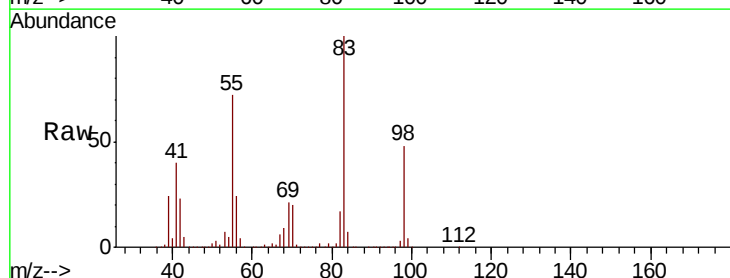


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

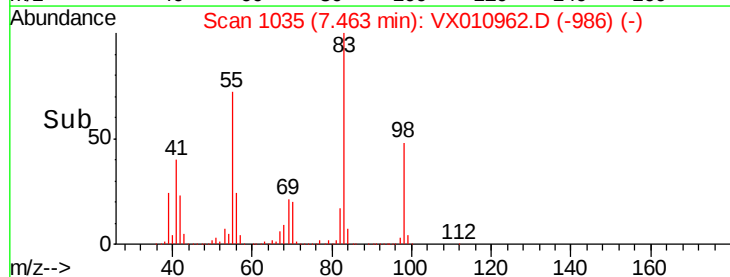
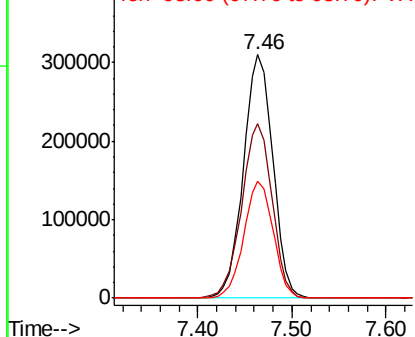


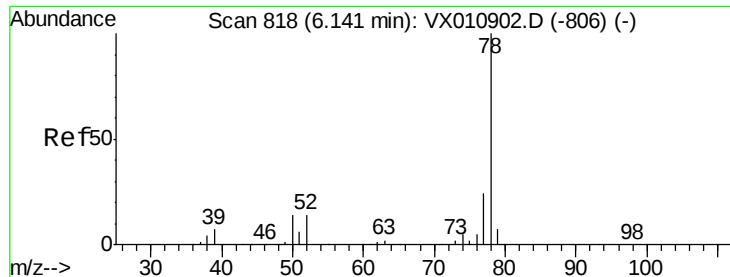
#39
Methylcyclohexane
Concen: 179.112 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 83 Resp: 673268
Ion Ratio Lower Upper
83 100
55 71.8 56.2 84.4
98 47.9 39.0 58.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 8.260 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

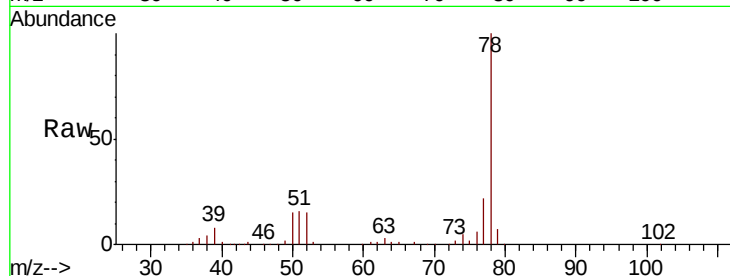
FL-0609

Tot Ion: 78 Resp: 73342

Ion Ratio Lower Upper

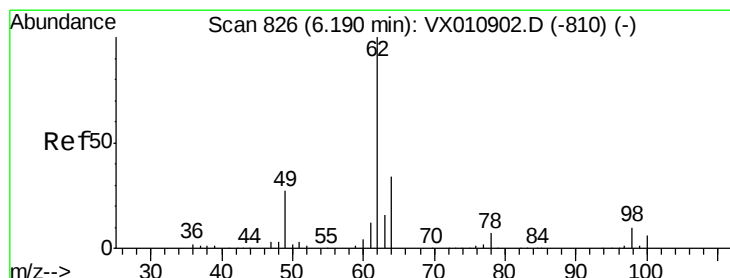
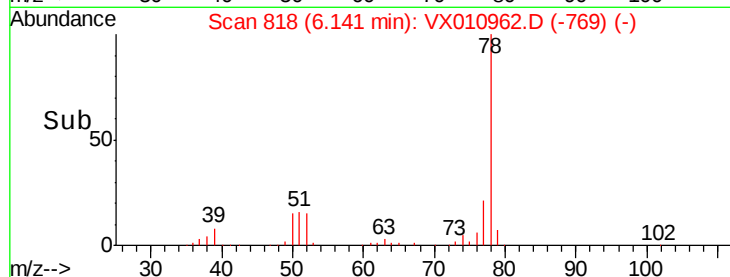
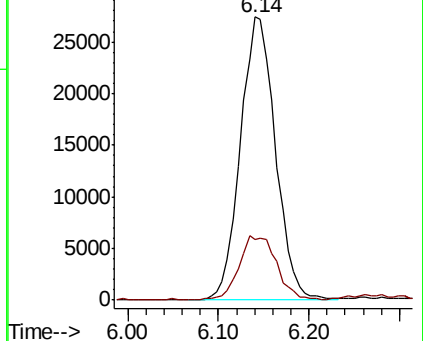
78 100

77 21.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.286 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX010962.D

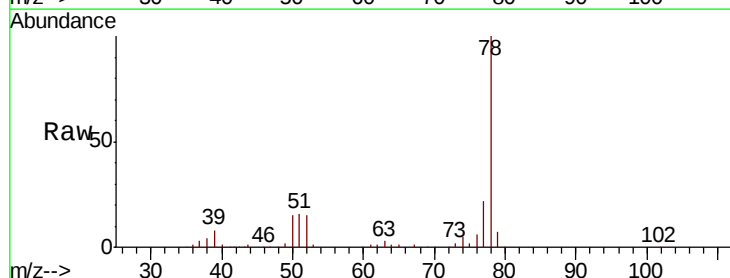
Acq: 18 Jul 2019 16:32

Tgt Ion: 62 Resp: 884

Ion Ratio Lower Upper

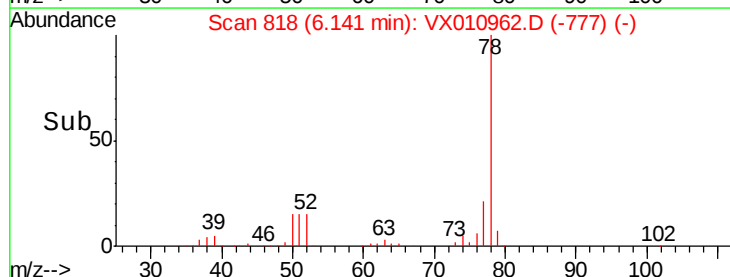
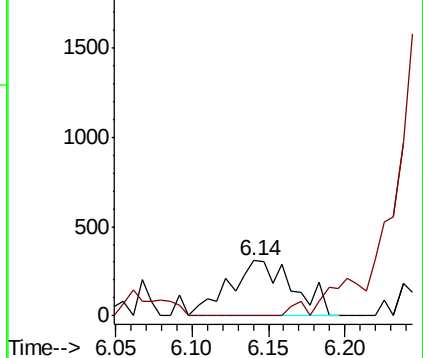
62 100

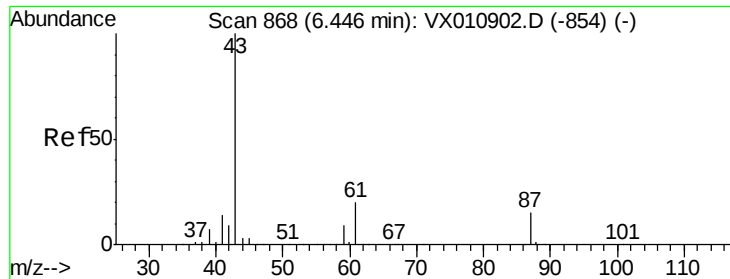
98 0.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 1.599 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0609

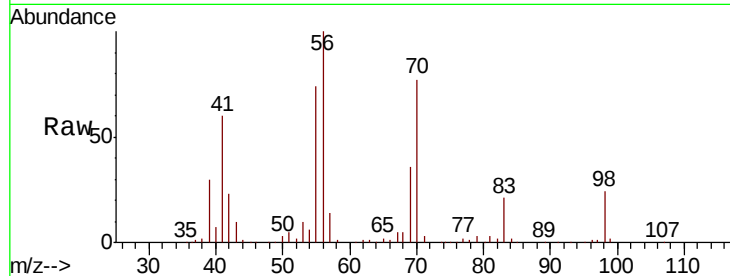
Tot Ion: 43 Resp: 7806

Ion Ratio Lower Upper

43 100

61 3.2 17.1 25.7#

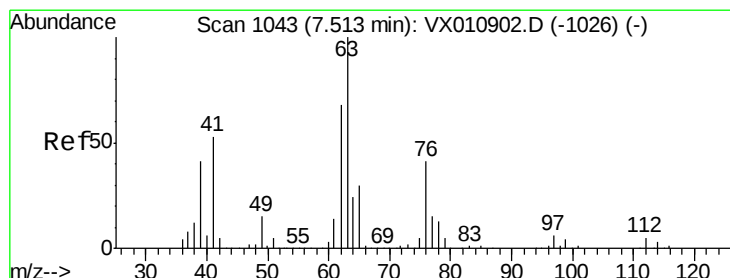
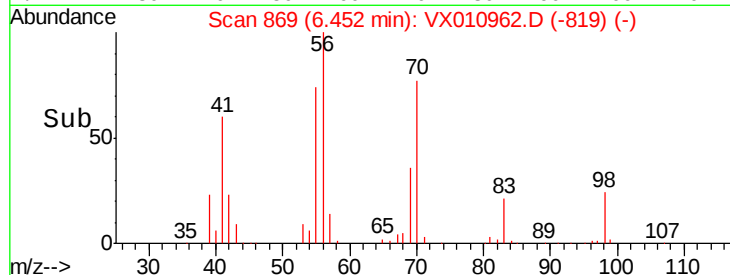
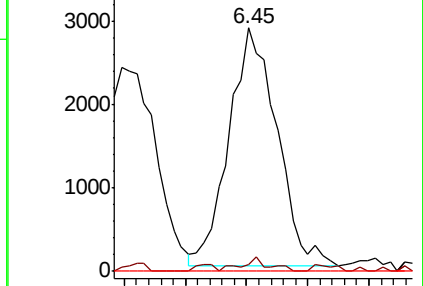
87 0.0 12.0 18.0#



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



#45

1,2-Dichloropropane

Concen: 3.096 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.06 min

Lab File: VX010962.D

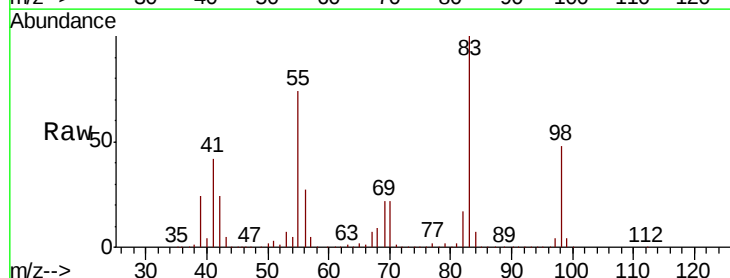
Acq: 18 Jul 2019 16:32

Tgt Ion: 63 Resp: 6997

Ion Ratio Lower Upper

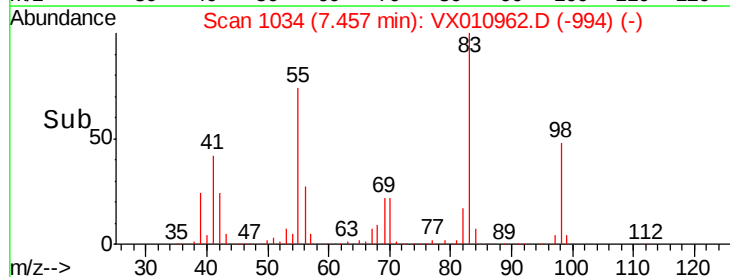
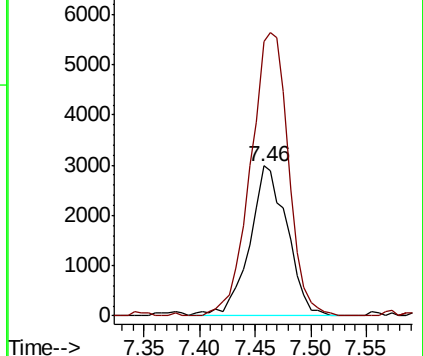
63 100

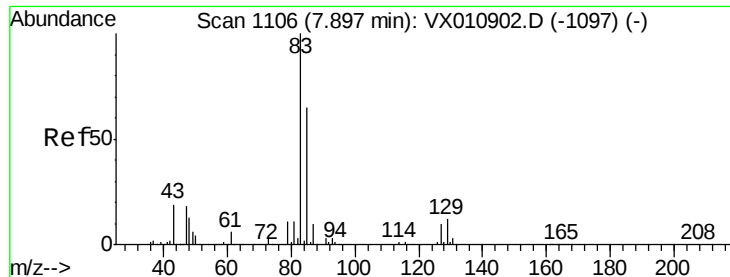
65 183.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.494 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. -0.04 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

FL-0609

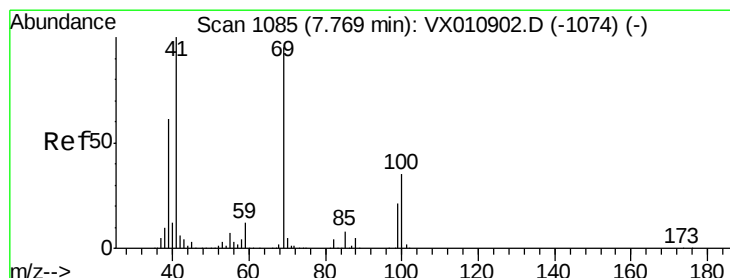
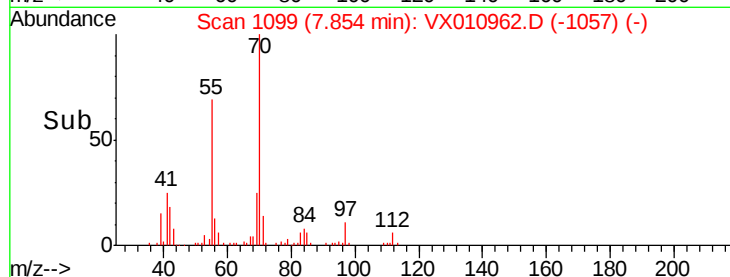
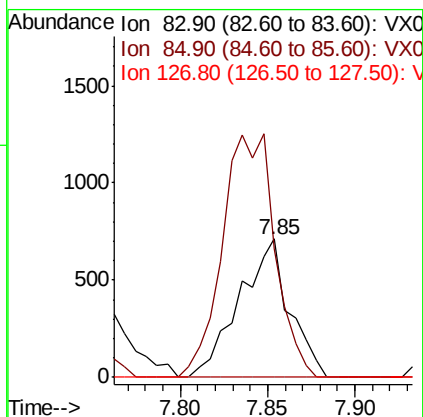
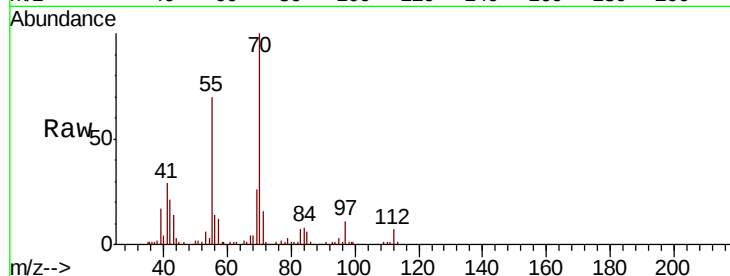
Tot Ion: 83 Resp: 1421

Ion Ratio Lower Upper

83 100

85 92.8 52.5 78.7#

127 0.0 7.8 11.8#



#48

Methyl methacrylate

Concen: 12.129 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

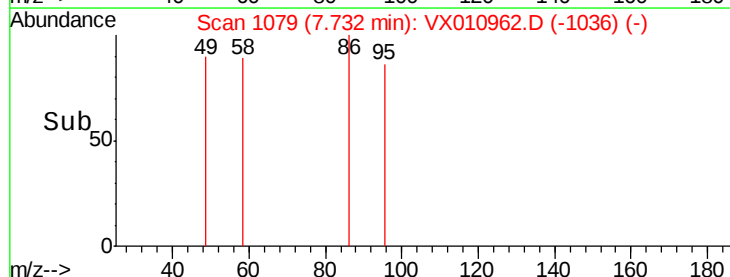
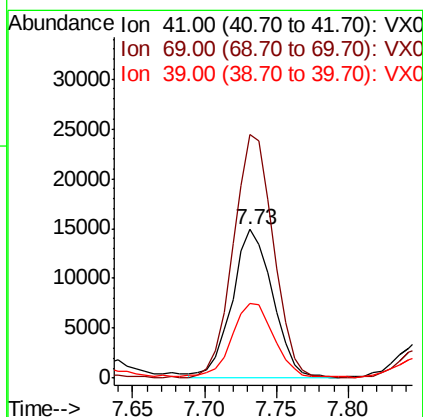
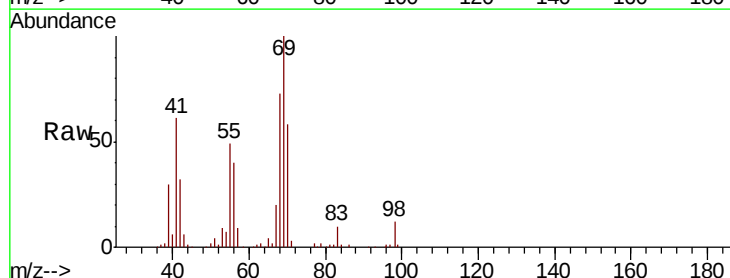
Tgt Ion: 41 Resp: 28836

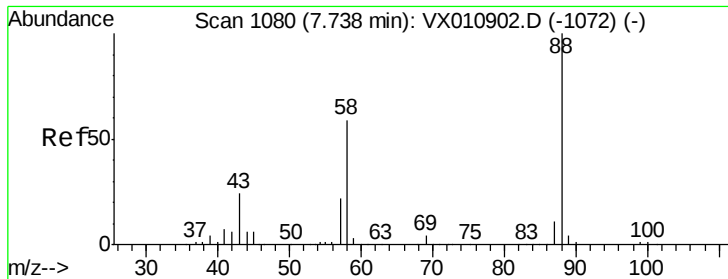
Ion Ratio Lower Upper

41 100

69 164.6 74.4 111.6#

39 51.6 48.9 73.3

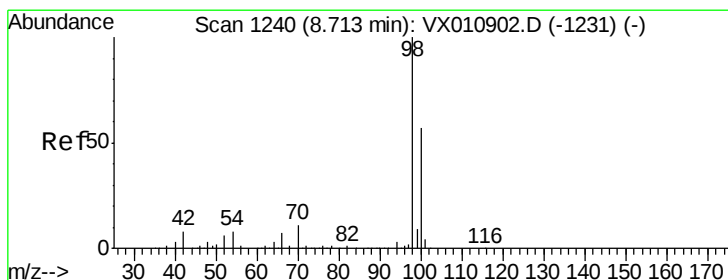
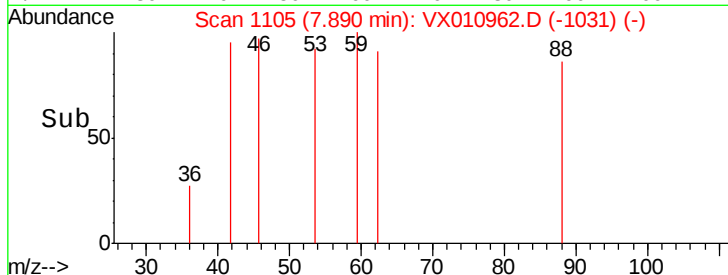
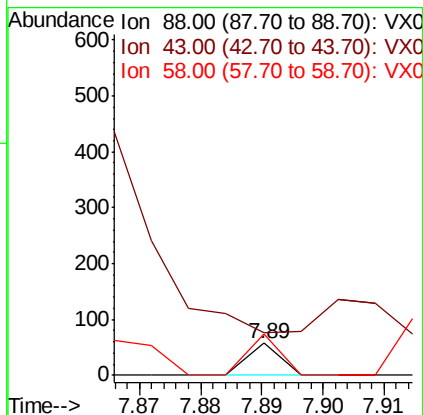
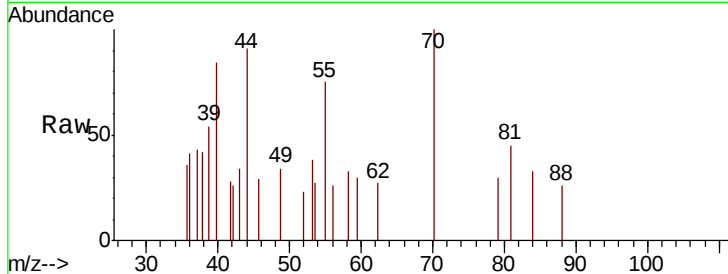




#49
1,4-Dioxane
Concen: 0.316 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. 0.15 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

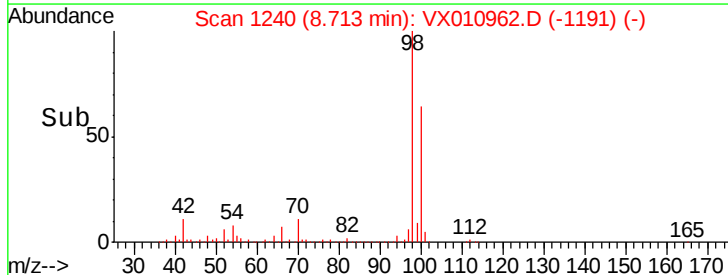
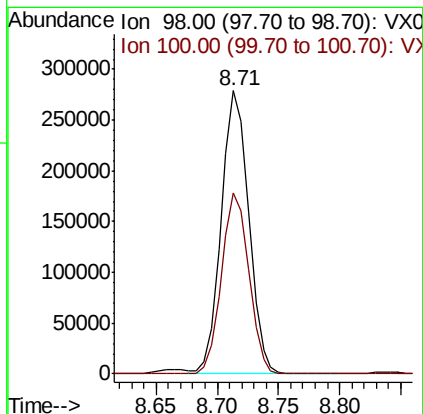
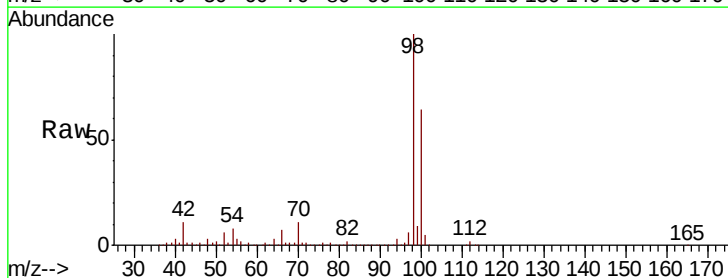
Instrument :
MSVOA_X
ClientSampleId :
FL-0609

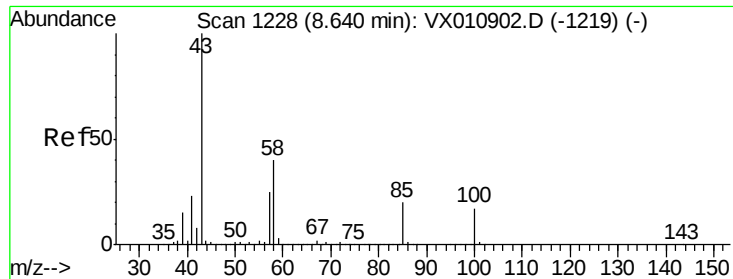
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 128.6 49.8 74.8#



#50
Toluene-d8
Concen: 51.721 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 98 Resp: 434492
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8

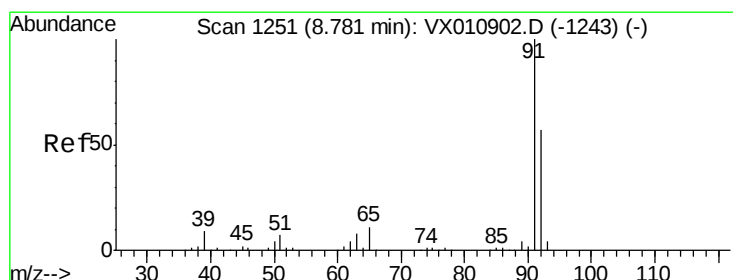
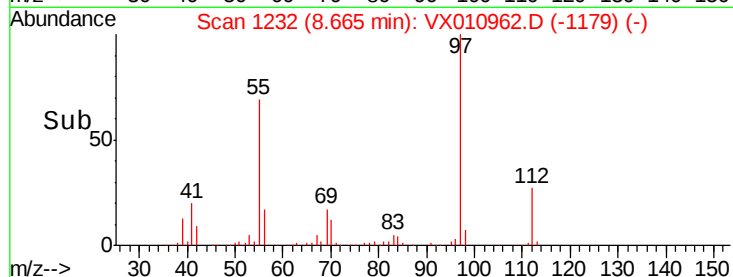
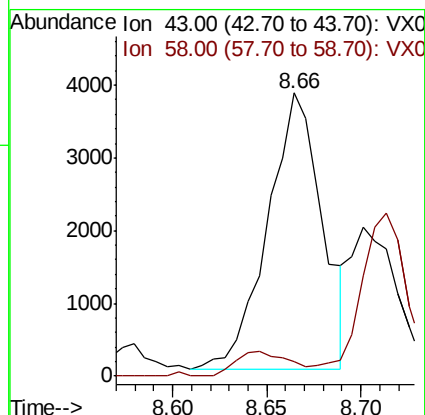
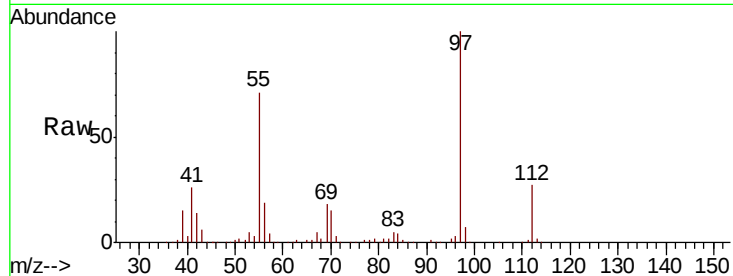




#51
 4-Methyl-2-Pentanone
 Concen: 2.417 ug/l
 RT: 8.66 min Scan# 1232
 Delta R.T. 0.02 min
 Lab File: VX010962.D
 Acq: 18 Jul 2019 16:32

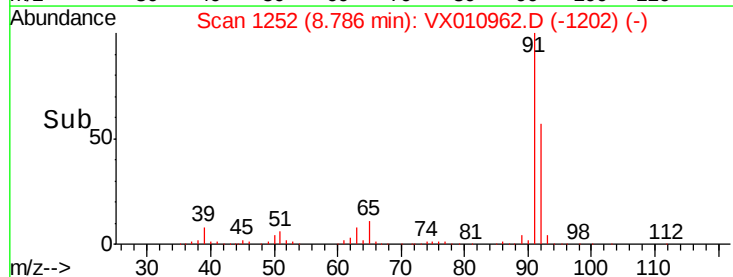
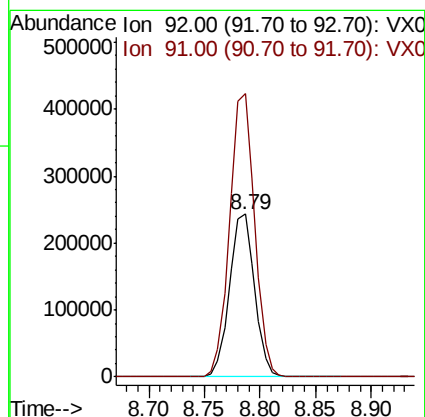
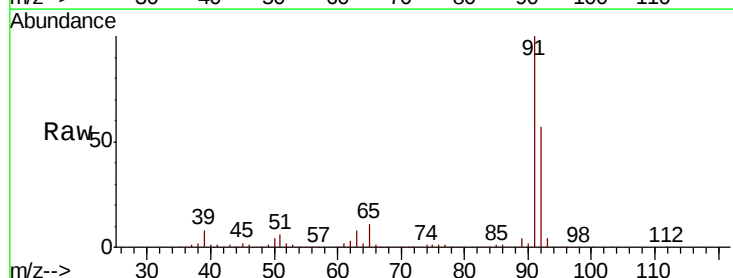
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609

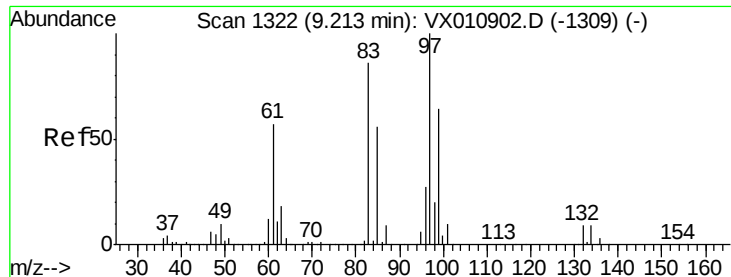
Tot Ion: 43 Resp: 7648
 Ion Ratio Lower Upper
 43 100
 58 8.7 32.2 48.4#



#52
 Toluene
 Concen: 64.901 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX010962.D
 Acq: 18 Jul 2019 16:32

Tgt Ion: 92 Resp: 378561
 Ion Ratio Lower Upper
 92 100
 91 174.1 139.4 209.0





#55

1,1,2-Trichloroethane

Concen: 21.769 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampled :

FL-0609

Tot Ion: 97 Resp: 52282

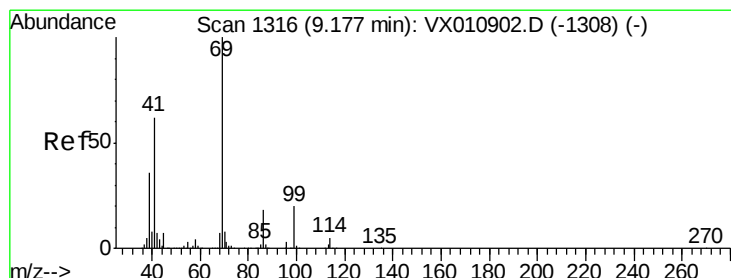
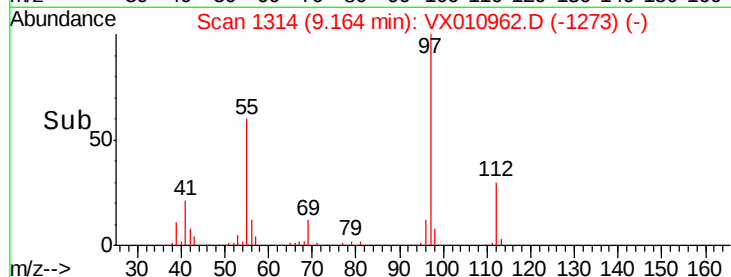
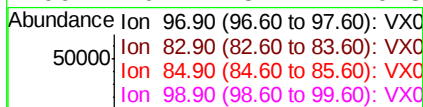
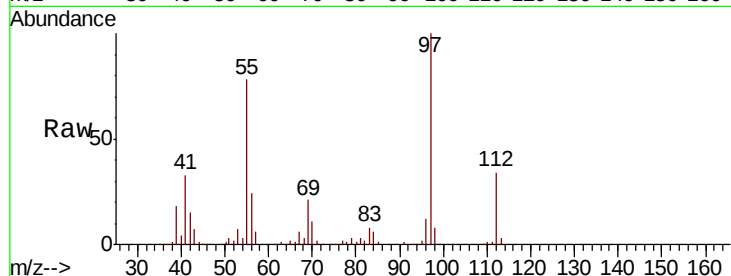
Ion Ratio Lower Upper

97 100

83 7.0 69.2 103.8#

85 0.8 44.6 66.8#

99 0.4 51.2 76.8#



#56

Ethyl methacrylate

Concen: 3.111 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

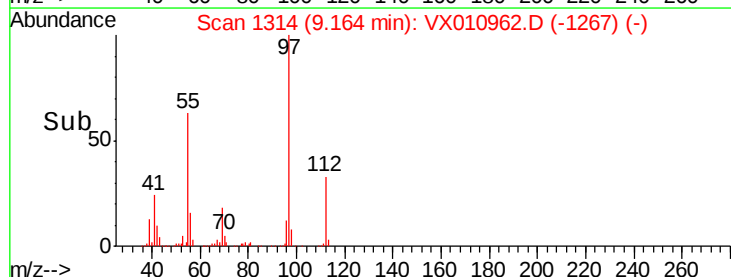
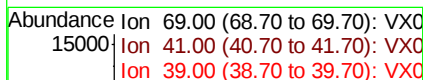
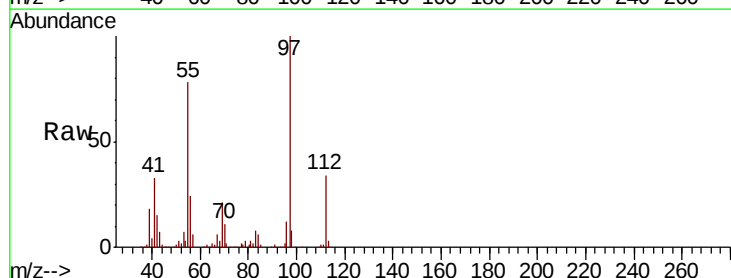
Tgt Ion: 69 Resp: 10929

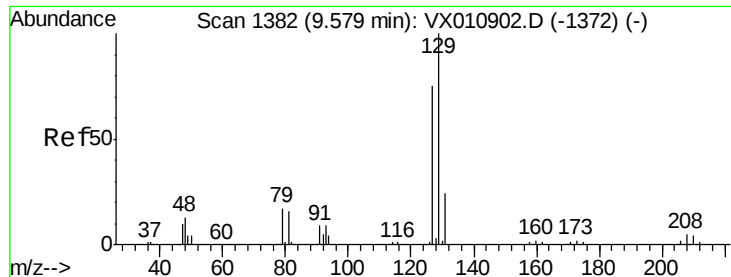
Ion Ratio Lower Upper

69 100

41 154.5 49.7 74.5#

39 82.8 29.6 44.4#





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.09 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

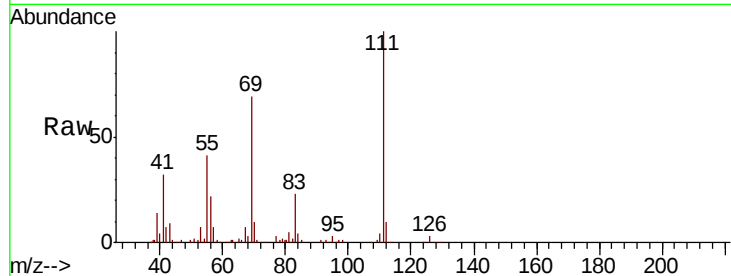
FL-0609

Tot Ion:129 Resp: 23

Ion Ratio Lower Upper

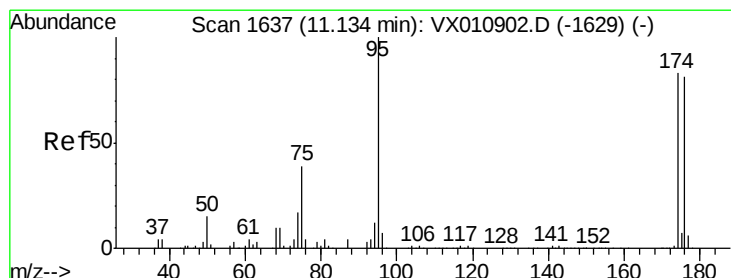
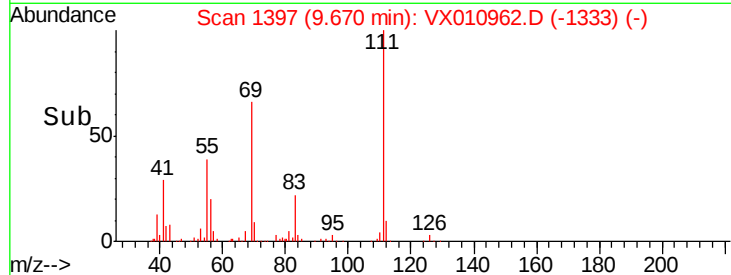
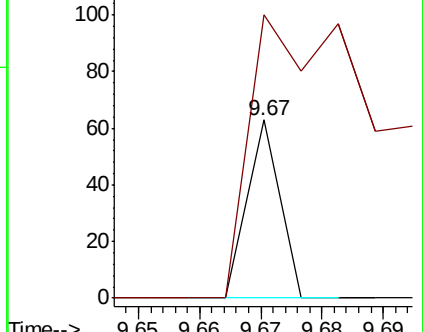
129 100

127 765.2 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 56.169 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

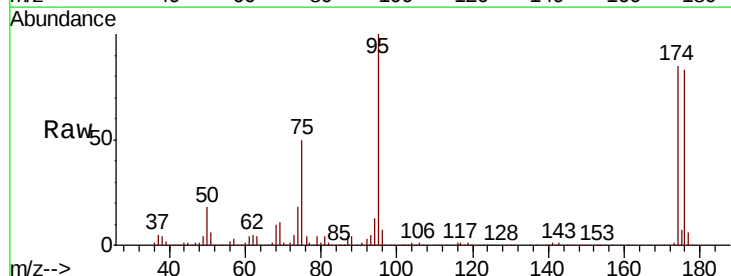
Tgt Ion: 95 Resp: 173443

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.6

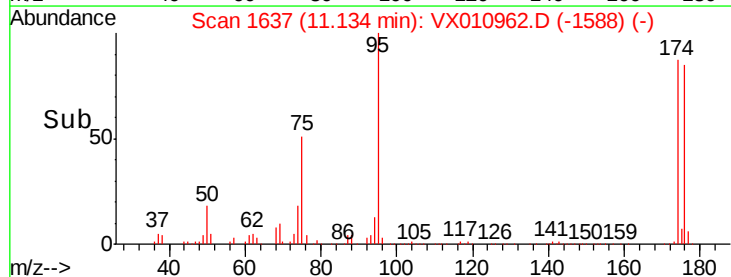
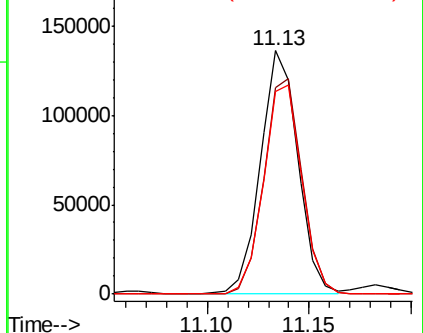
176 88.5 0.0 173.8

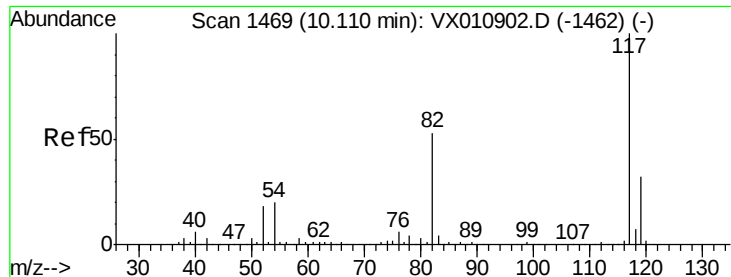


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

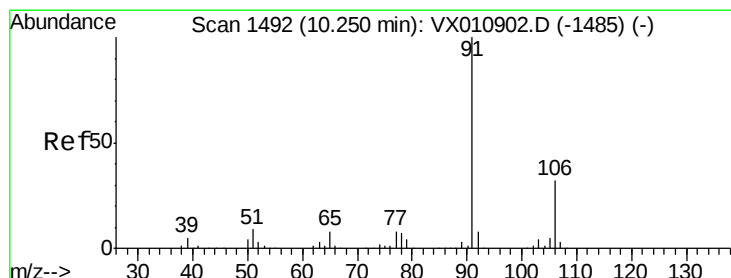
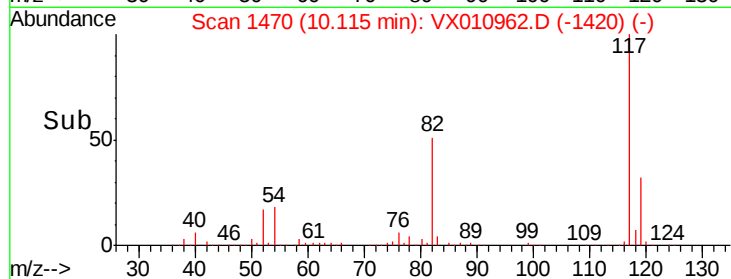
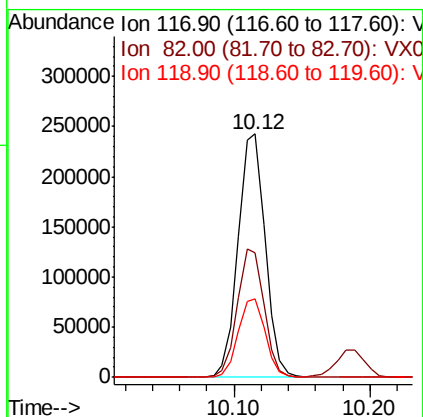
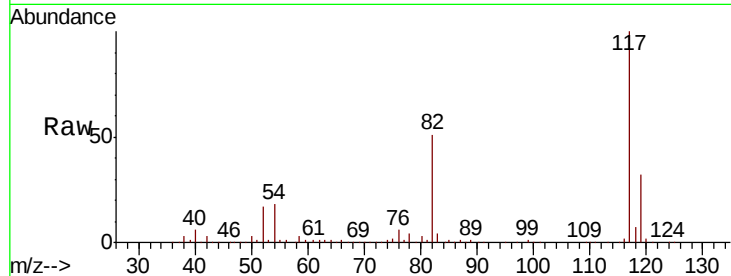




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

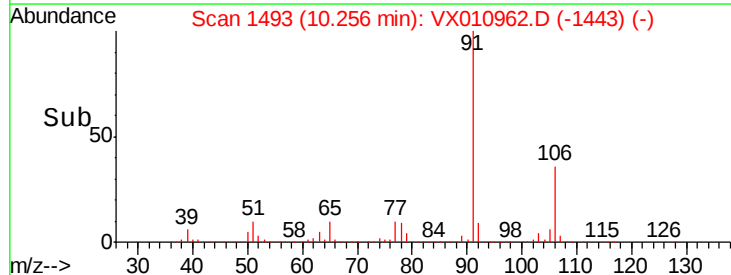
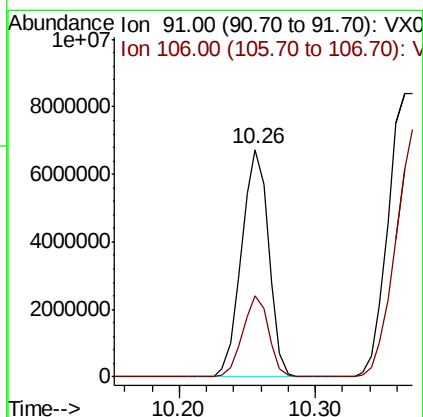
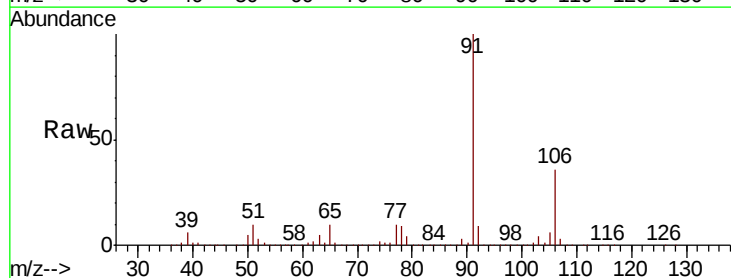
Instrument :
MSVOA_X
ClientSampleId :
FL-0609

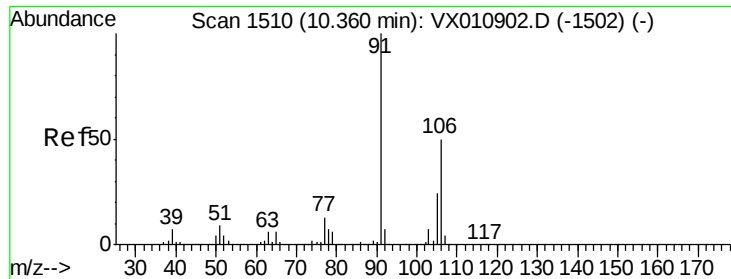
Tot Ion:117 Resp: 337030
Ion Ratio Lower Upper
117 100
82 50.9 42.6 63.8
119 32.0 25.9 38.9



#67
Ethyl Benzene
Concen: 797.140 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 91 Resp: 9392407
Ion Ratio Lower Upper
91 100
106 35.6 25.4 38.2

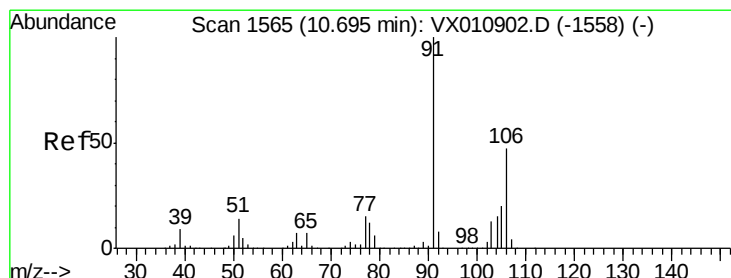
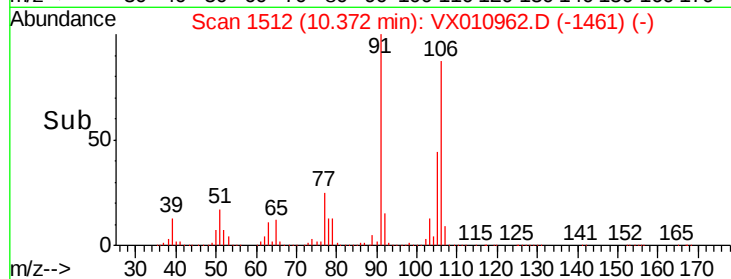
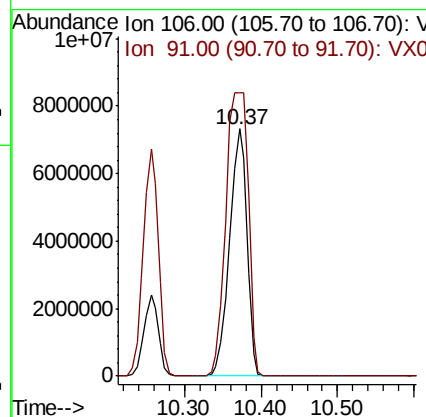
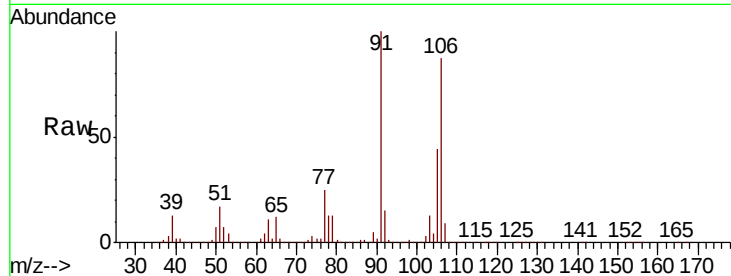




#68
m/p-Xylenes
Concen: 2544.396 ug/l
RT: 10.37 min Scan# 1512
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

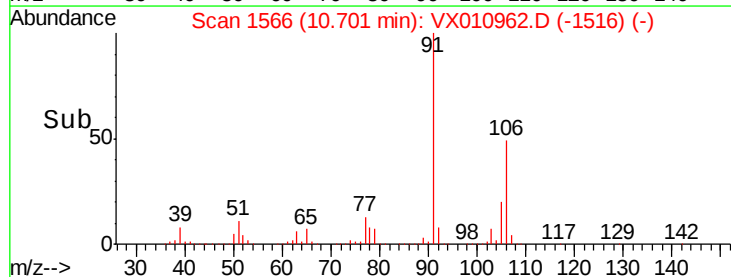
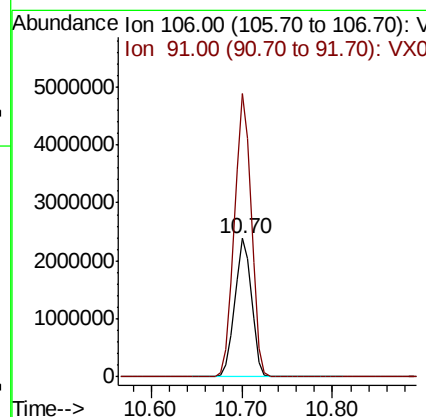
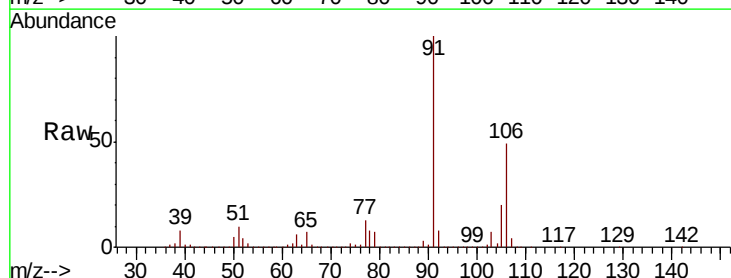
Instrument :
MSVOA_X
ClientSampleId :
FL-0609

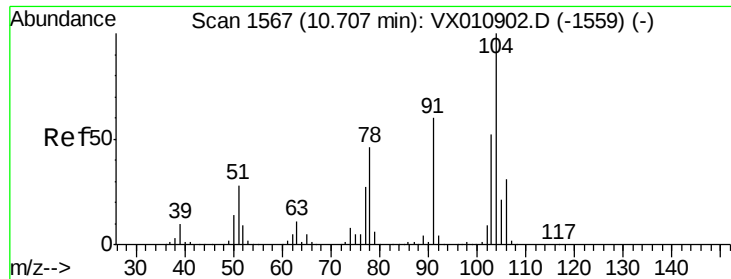
Tot Ion:106 Resp:11499939
Ion Ratio Lower Upper
106 100
91 149.0 160.1 240.1#



#69
o-Xylene
Concen: 692.330 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion:106 Resp: 3053878
Ion Ratio Lower Upper
106 100
91 207.3 105.1 315.3





#70

Stvrene

Concen: 20.899 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0609

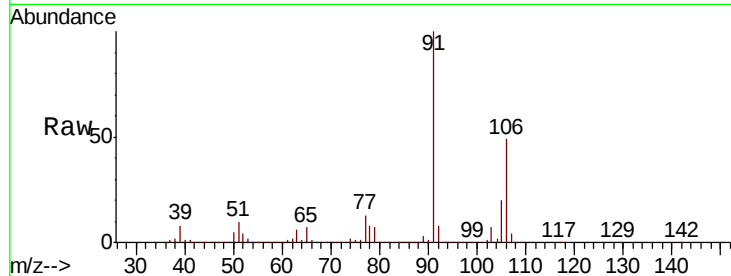
Tot Ion:104 Resp: 153674

Ion Ratio Lower Upper

104 100

78 300.7 38.8 58.2#

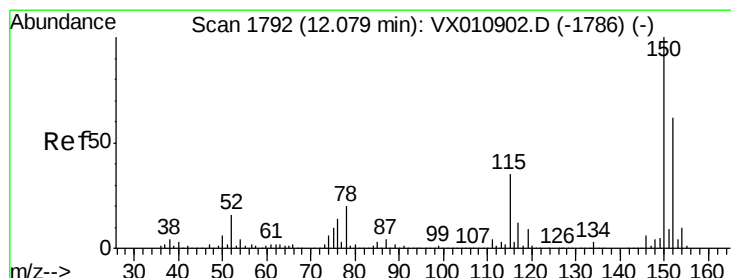
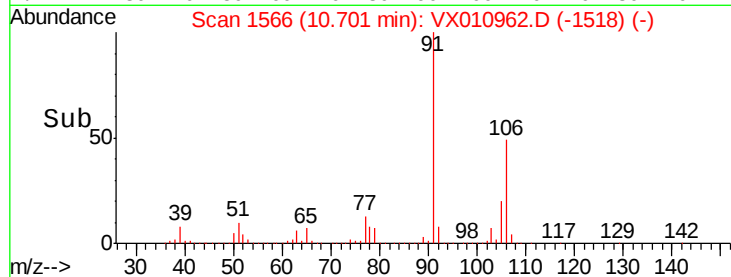
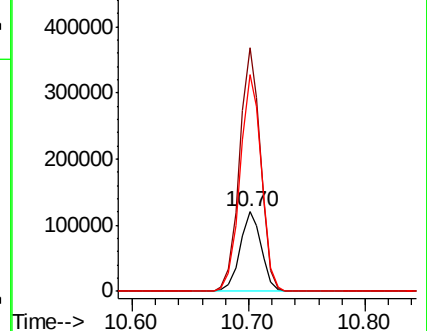
103 273.5 44.2 66.4#



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: VX010962.D

Acq: 18 Jul 2019 16:32

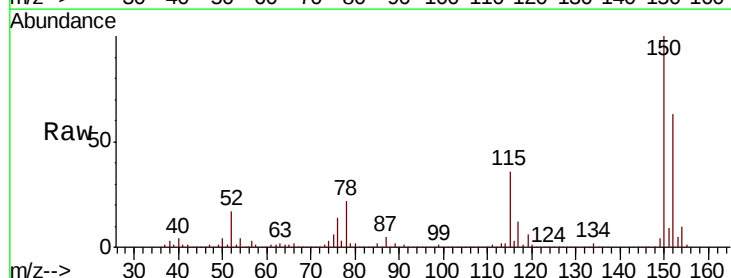
Tgt Ion:152 Resp: 185809

Ion Ratio Lower Upper

152 100

115 61.2 39.7 119.1

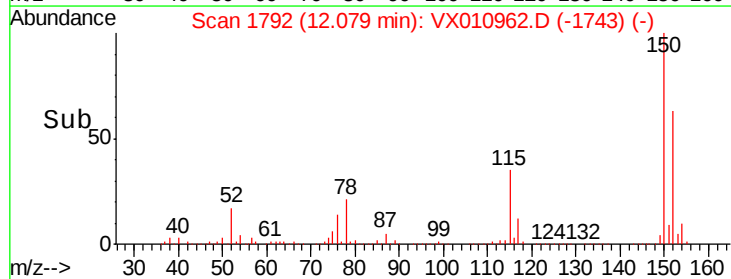
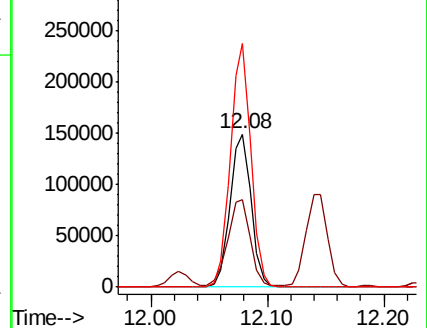
150 155.0 0.0 345.6

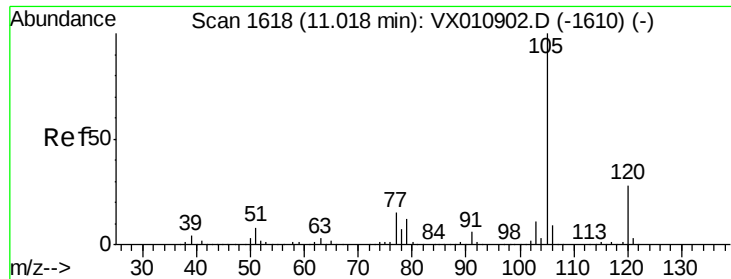


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

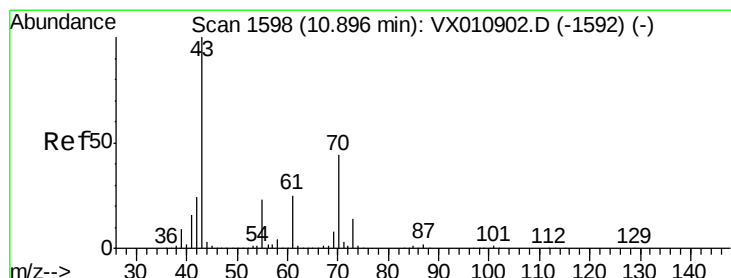
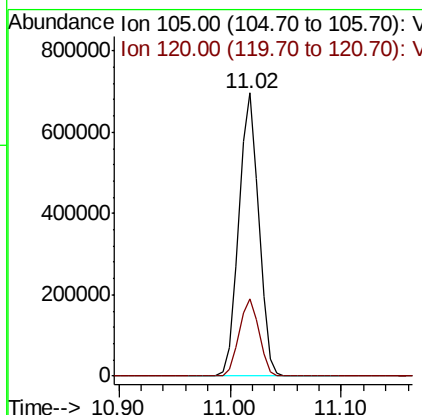
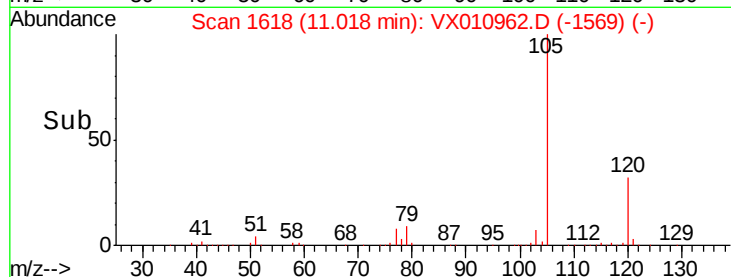
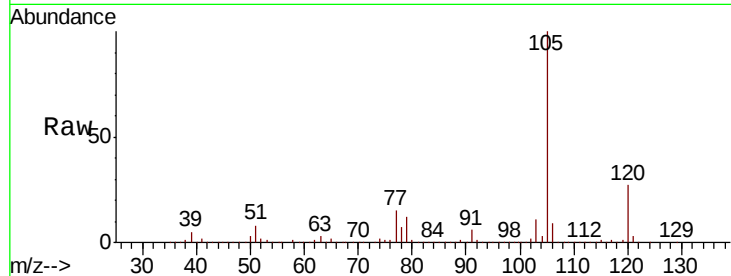




#73
Isopropylbenzene
Concen: 68.745 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

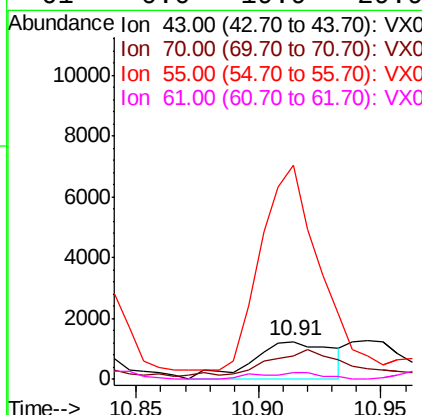
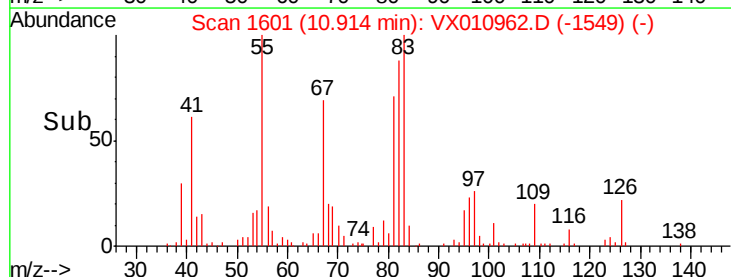
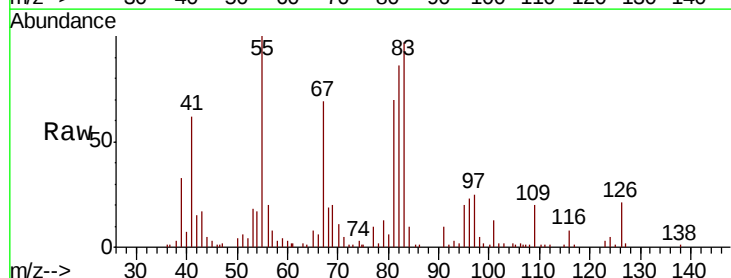
Instrument :
MSVOA_X
ClientSampleId :
FL-0609

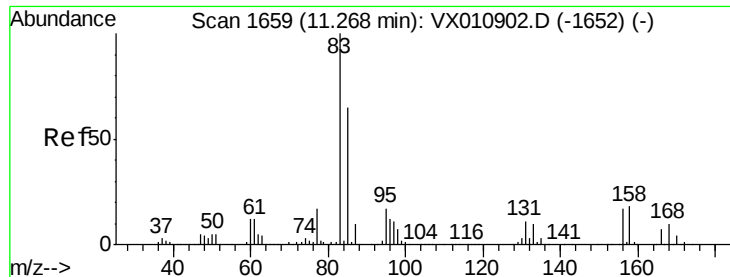
Tot Ion:105 Resp: 863096
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1



#74
N-ethyl acetate
Concen: 0.584 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.02 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 43 Resp: 2802
Ion Ratio Lower Upper
43 100
70 68.6 34.7 52.1#
55 400.7 19.1 28.7#
61 0.0 19.9 29.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.374 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0609

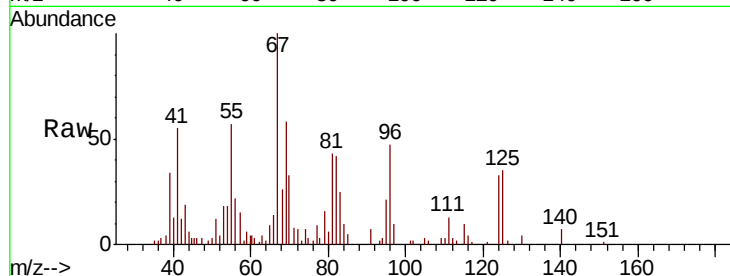
Tot Ion: 83 Resp: 1538

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

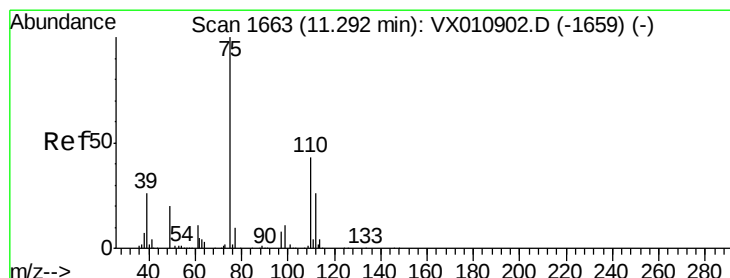
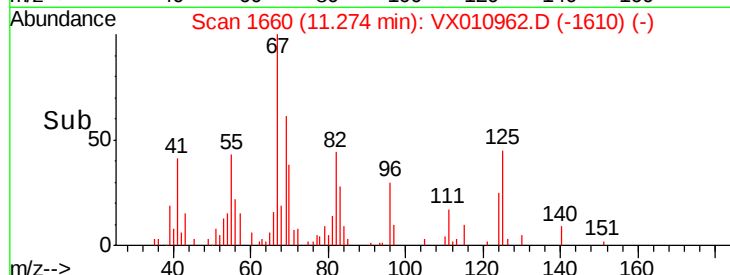
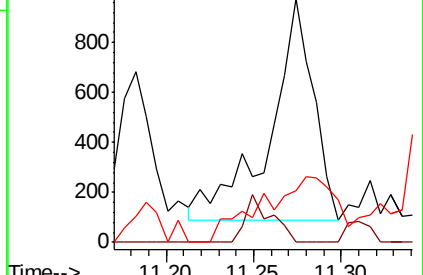
85 50.2 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 2.571 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010962.D

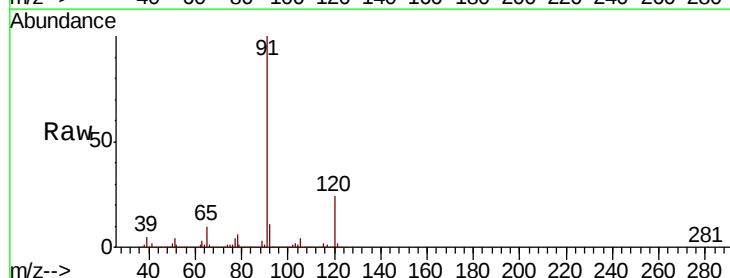
Acq: 18 Jul 2019 16:32

Tgt Ion: 75 Resp: 8621

Ion Ratio Lower Upper

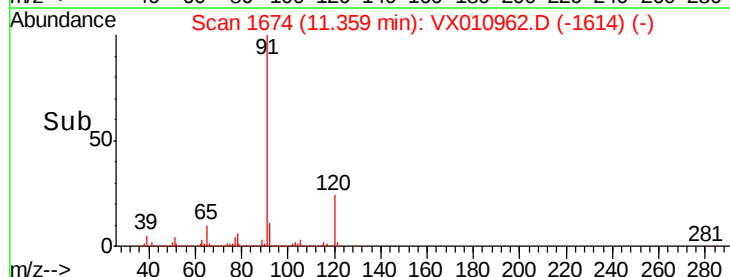
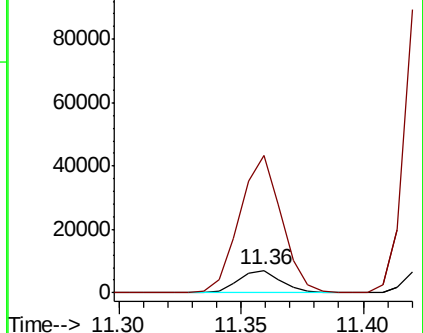
75 100

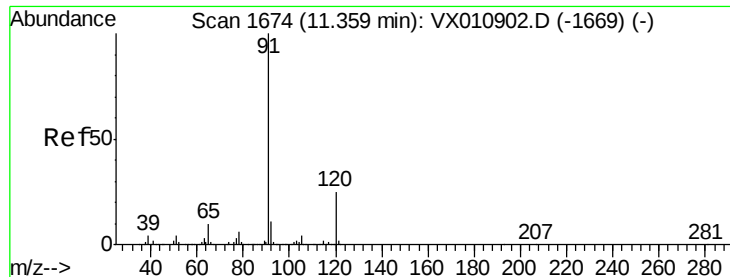
77 599.0 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 94.790 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

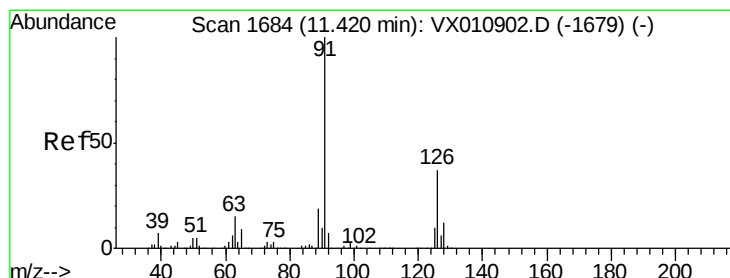
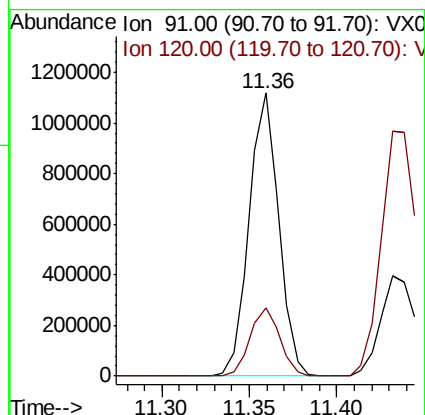
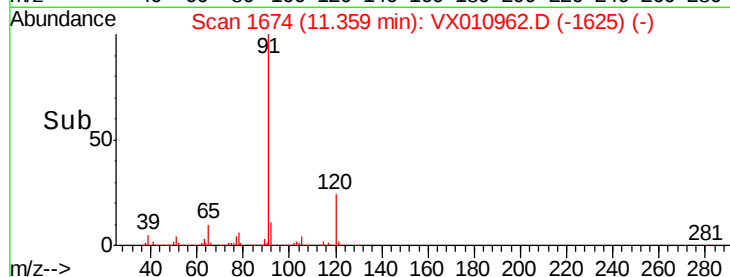
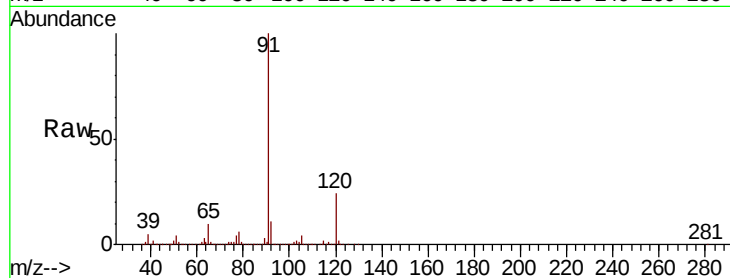
FL-0609

Tot Ion: 91 Resp: 1314966

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.8



#79

2-Chlorotoluene

Concen: 80.915 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010962.D

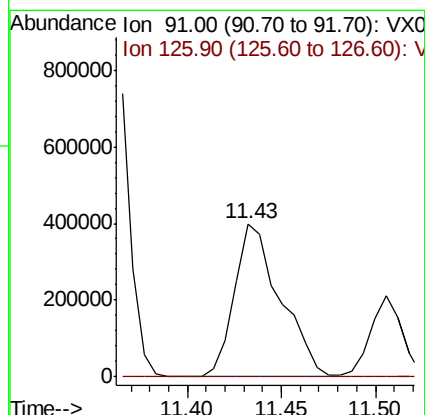
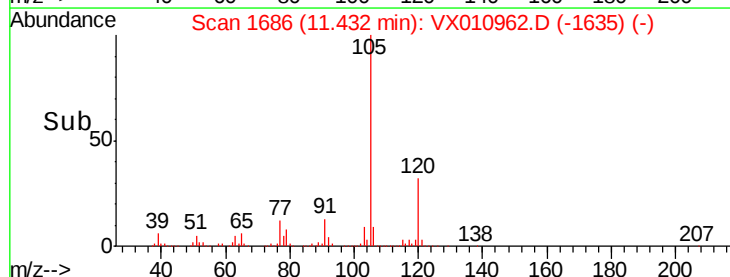
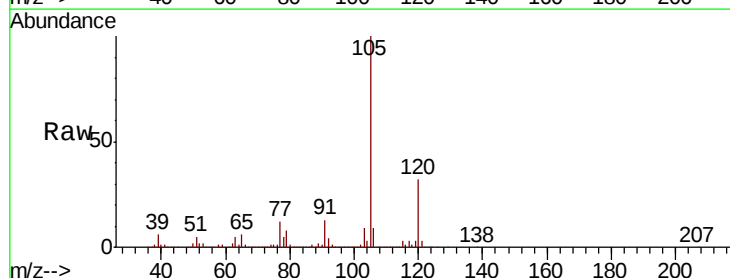
Acq: 18 Jul 2019 16:32

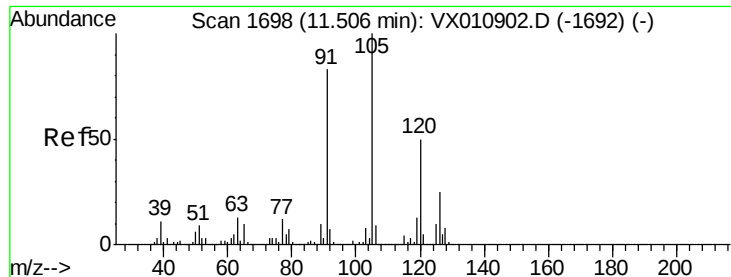
Tgt Ion: 91 Resp: 674300

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#





#80

1,3,5-Trimethylbenzene

Concen: 216.542 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

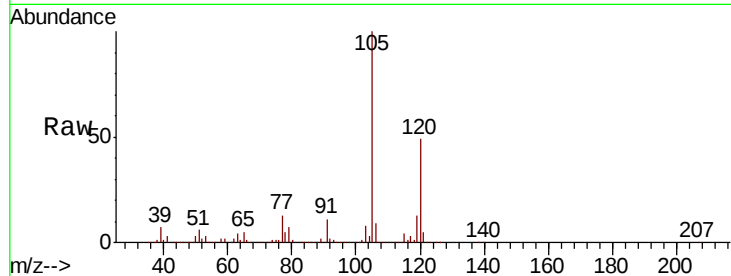
FL-0609

Tot Ion:105 Resp: 2271747

Ion Ratio Lower Upper

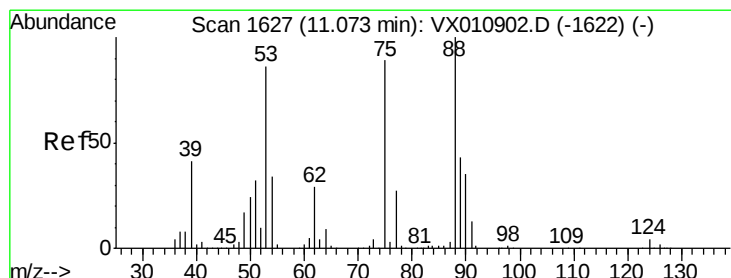
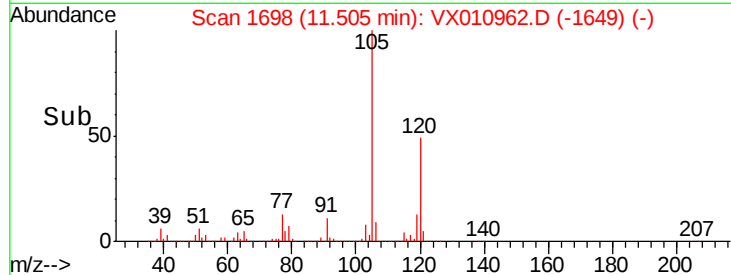
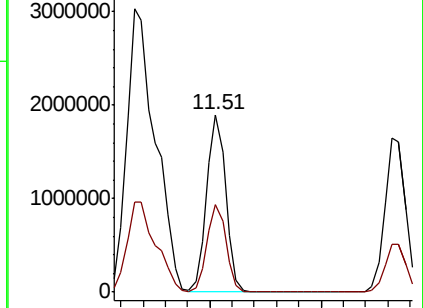
105 100

120 49.2 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: 11.181 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

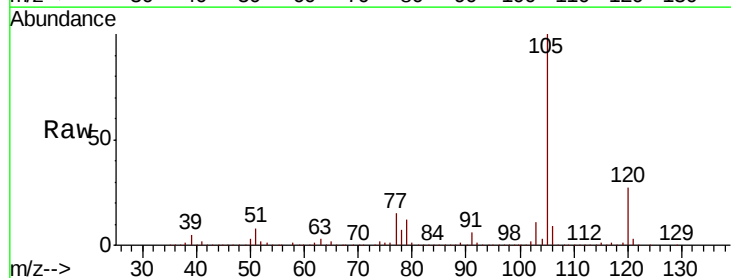
Tgt Ion: 75 Resp: 10355

Ion Ratio Lower Upper

75 100

53 94.7 76.7 115.1

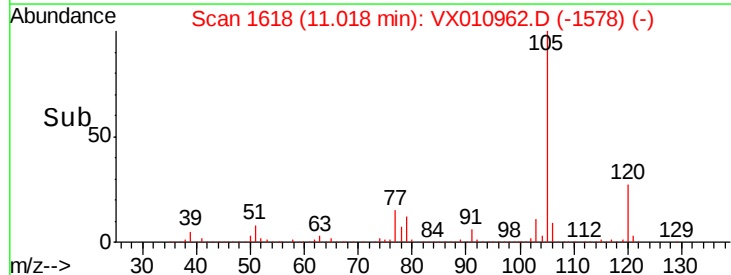
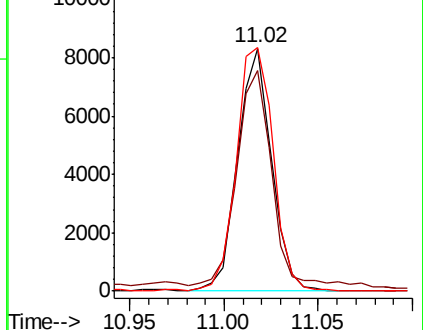
89 109.3 38.5 57.7#

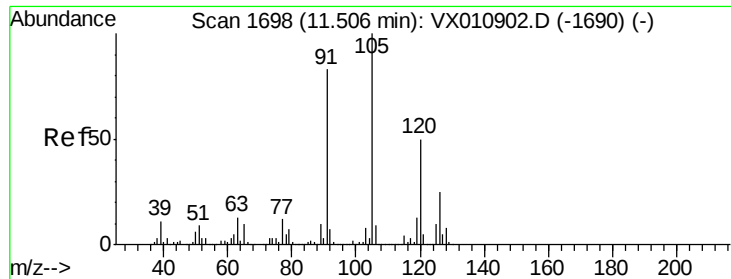


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

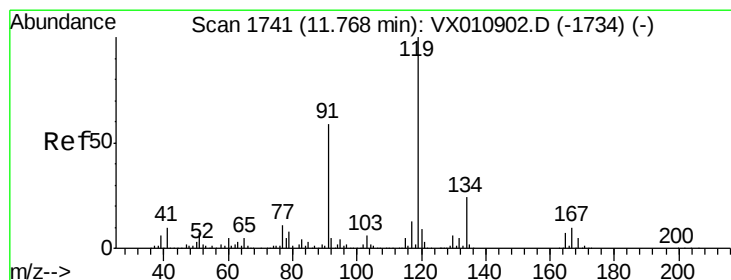
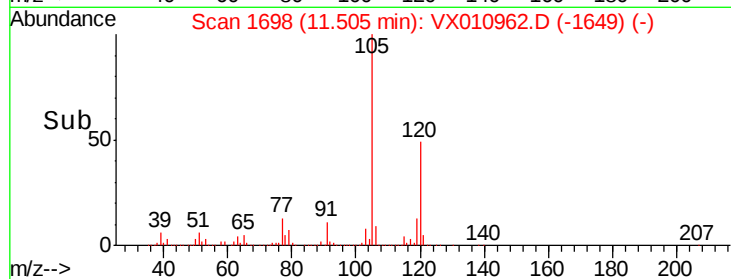
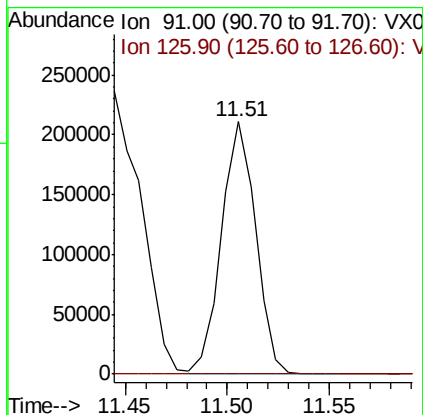
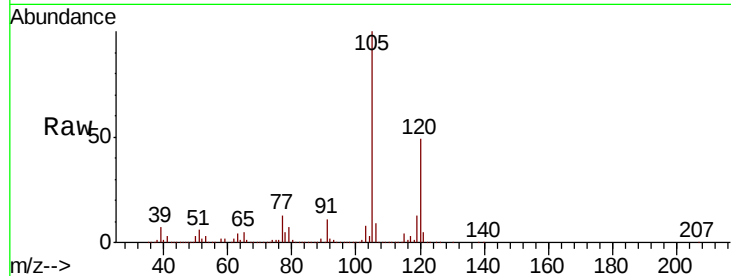




#82
4-Chlorotoluene
Concen: 25.225 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

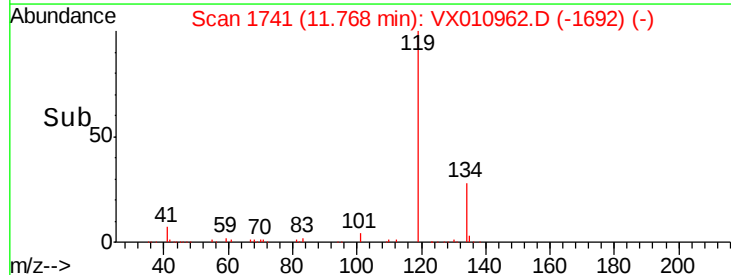
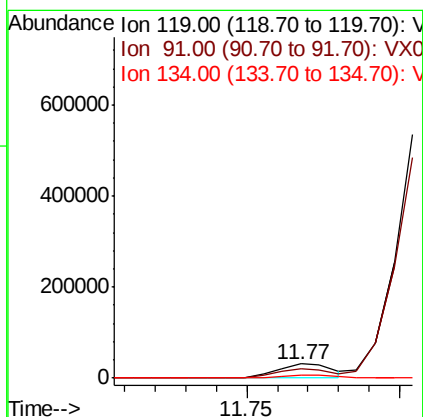
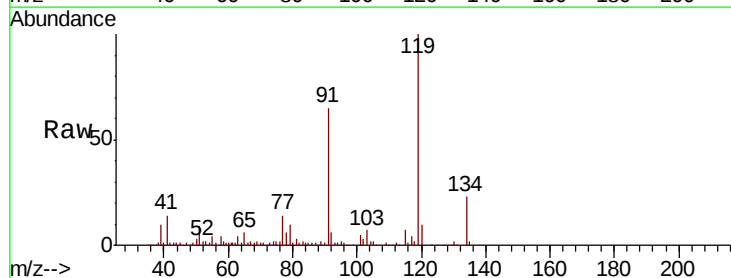
Instrument :
MSVOA_X
ClientSampled :
FL-0609

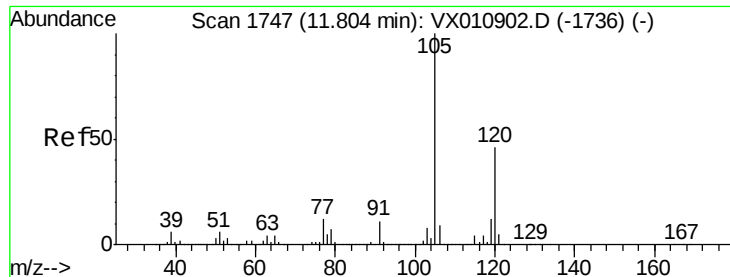
Tot Ion: 91 Resp: 244660
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#



#83
tert-Butylbenzene
Concen: 3.802 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 119 Resp: 39177
Ion Ratio Lower Upper
119 100
91 65.3 28.6 85.8
134 24.9 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 580.373 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010962.D

Acq: 18 Jul 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

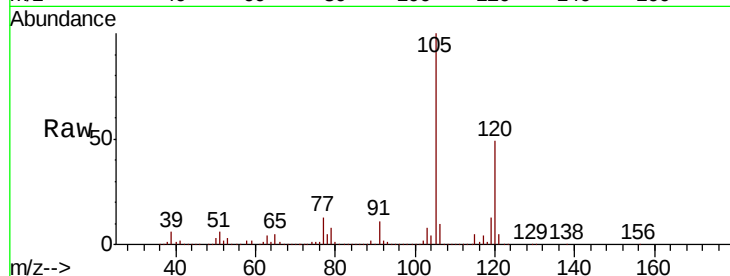
FL-0609

Tot Ion:105 Resp: 6136822

Ion Ratio Lower Upper

105 100

120 47.4 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

6000000

5000000

4000000

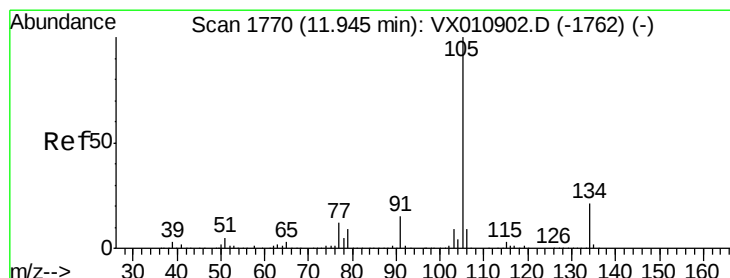
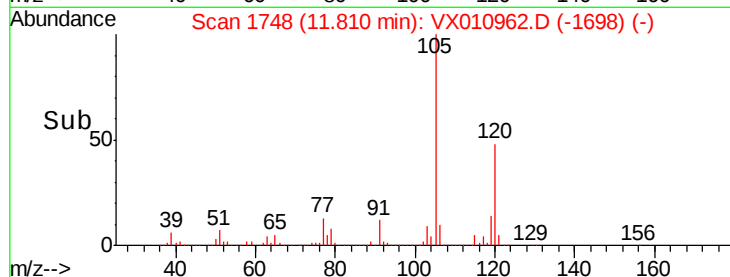
3000000

2000000

1000000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 508.244 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX010962.D

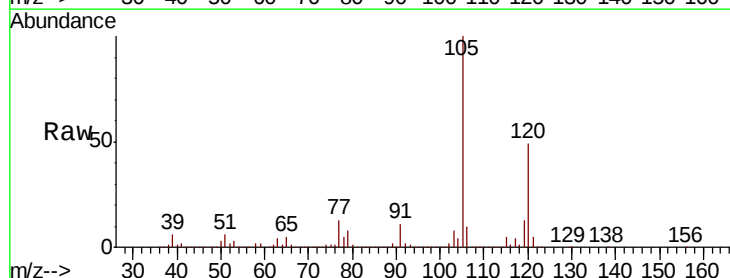
Acq: 18 Jul 2019 16:32

Tgt Ion:105 Resp: 6136822

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.81

6000000

5000000

4000000

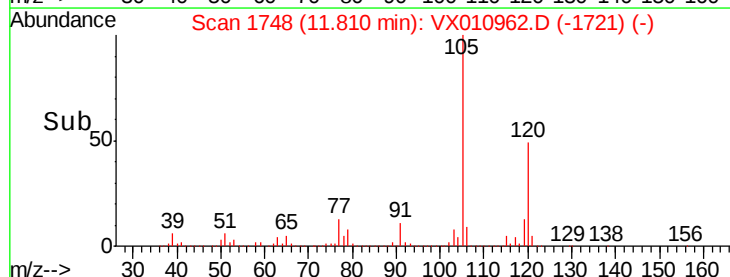
3000000

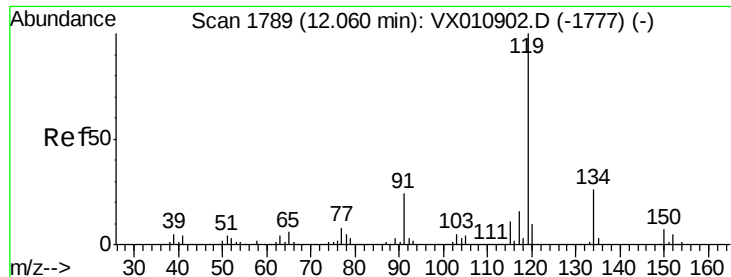
2000000

1000000

0

Time--> 11.70 11.80 11.90

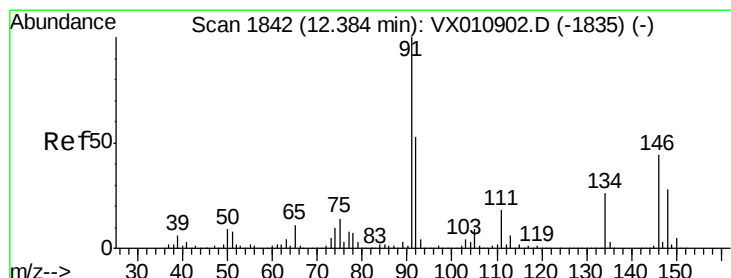
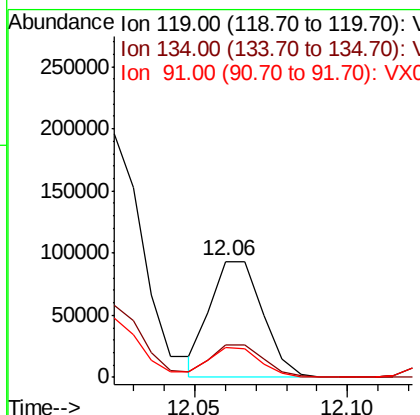
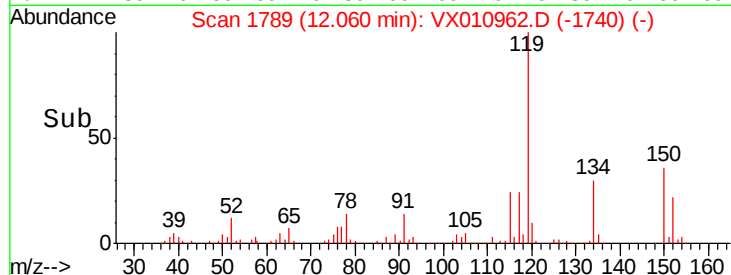
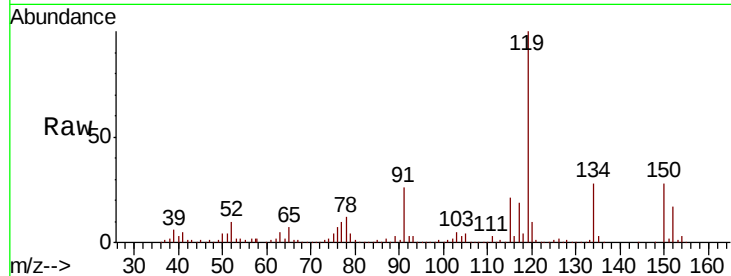




#86
p-Isopropyltoluene
Concen: 9.953 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

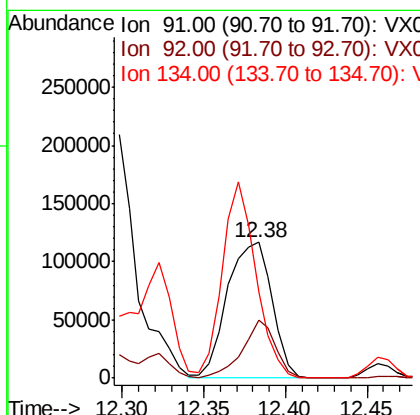
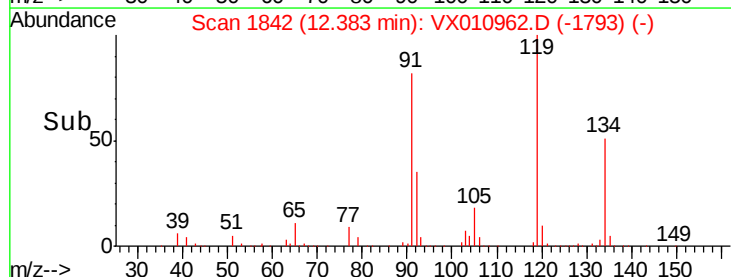
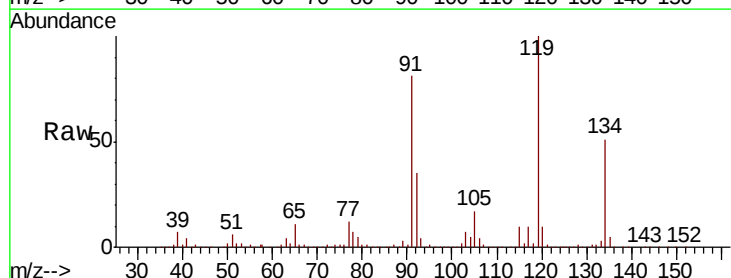
Instrument :
MSVOA_X
ClientSampled :
FL-0609

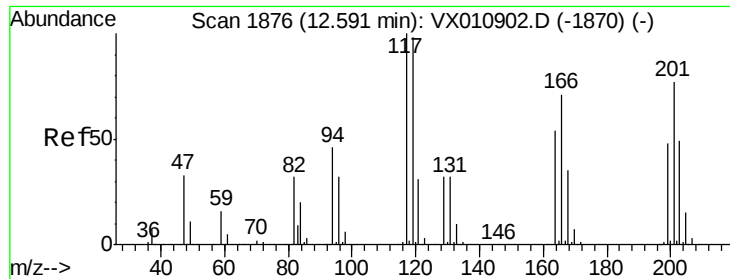
Tot Ion:119 Resp: 111105
Ion Ratio Lower Upper
119 100
134 28.4 13.4 40.1
91 26.2 11.8 35.4



#89
n-Butylbenzene
Concen: 23.236 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Tgt Ion: 91 Resp: 221906
Ion Ratio Lower Upper
91 100
92 31.5 26.2 78.5
134 108.5 13.8 41.3#

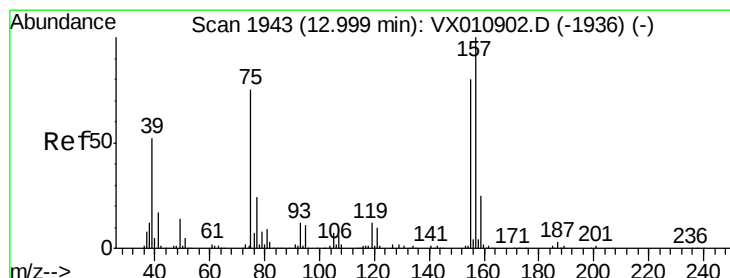
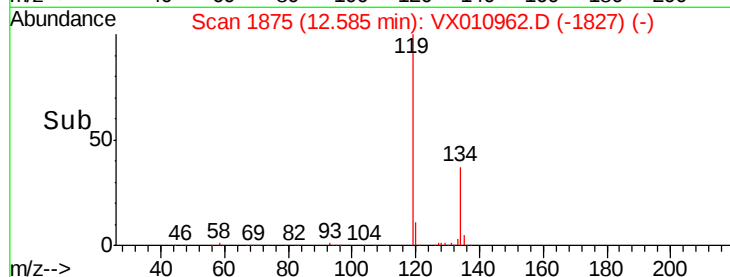
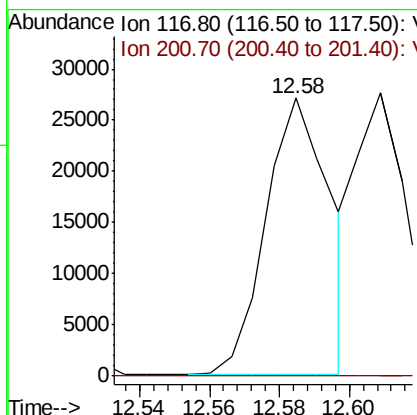
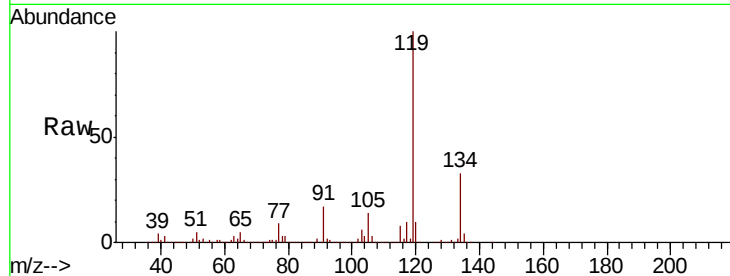




#90
 Hexachloroethane
 Concen: 19.554 ug/l
 RT: 12.58 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: VX010962.D
 Acq: 18 Jul 2019 16:32

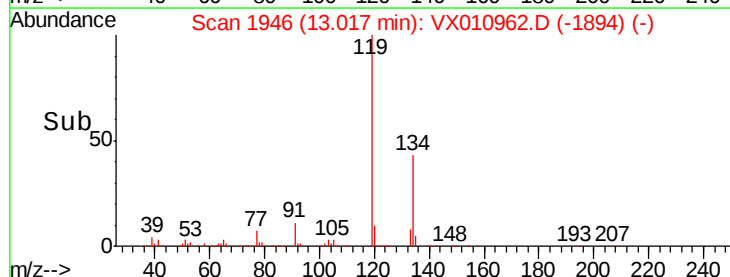
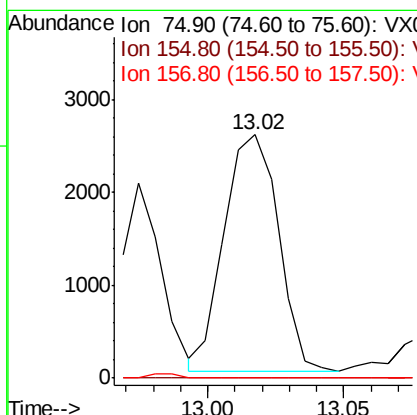
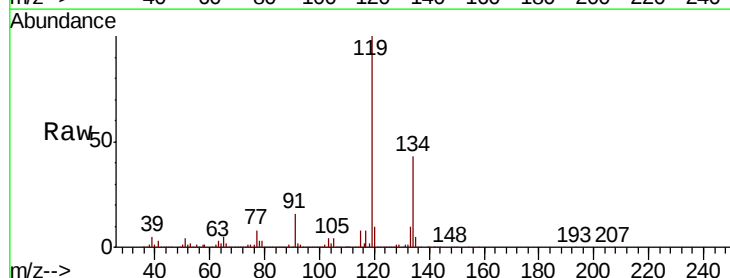
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609

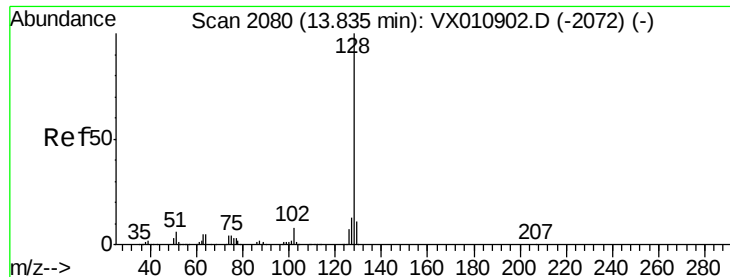
Tot Ion:117 Resp: 34429
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.3 129.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.102 ug/l
 RT: 13.02 min Scan# 1946
 Delta R.T. 0.02 min
 Lab File: VX010962.D
 Acq: 18 Jul 2019 16:32

Tgt Ion: 75 Resp: 3523
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 0.0 62.5 187.6#

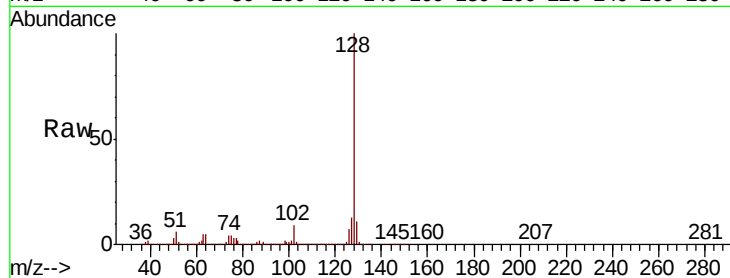




#95
Naphthalene
Concen: 290.390 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010962.D
Acq: 18 Jul 2019 16:32

Instrument :
MSVOA_X
ClientSampleId :
FL-0609

Tot Ion:128 Resp: 3461458
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 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

