

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX011004.D
 Acq On : 19 Jul 2019 15:51
 Operator : JC/SP
 Sample : K3884-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0619

Quant Time: Jul 20 01:02:19 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	234391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177793	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	127017	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	5.50	113	112723	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.72	98	459388	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.13	95	175942	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.41	85	64	0.572	ug/l #	43
3) Chloromethane	1.30	50	8323	3.861	ug/l #	64
5) Bromomethane	1.65	94	357	0.288	ug/l	84
6) Chloroethane	1.78	64	756	0.541	ug/l	91
11) Tert butyl alcohol	3.02	59	2113	3.639	ug/l #	73
13) Acrolein	2.30	56	6636	19.778	ug/l #	15
14) Allyl chloride	2.85	41	66842	22.041	ug/l #	76
15) Acrylonitrile	3.18	53	25038	21.337	ug/l #	37
16) Acetone	2.45	43	12997838	11541.181	ug/l	100
17) Carbon Disulfide	2.58	76	3211	0.600	ug/l #	78
18) Methyl Acetate	2.85	43	168301	65.629	ug/l #	48
23) Vinyl Acetate	3.95	43	12561	2.318	ug/l #	70
25) 2-Butanone	4.68	43	10225	6.325	ug/l	99
26) 2,2-Dichloropropane	4.41	77	17955	5.887	ug/l #	50
29) Tetrahydrofuran	5.11	42	376	0.367	ug/l #	29
30) Chloroform	5.30	83	5695	1.418	ug/l #	42
31) Cyclohexane	5.59	56	1818099	536.997	ug/l	98
36) 1,1-Dichloropropene	5.67	75	16139	5.342	ug/l #	49
37) Ethyl Acetate	4.68	43	10225	3.305	ug/l #	67
38) Carbon Tetrachloride	5.66	117	22128	7.029	ug/l #	16
39) Methylcyclohexane	7.47	83	1546455	394.715	ug/l	100
40) Benzene	6.14	78	66653	7.202	ug/l	98
41) Methacrylonitrile	5.08	41	870	0.495	ug/l #	36
43) Isopropyl Acetate	6.46	43	18538	3.644	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	15558	6.605	ug/l #	1
47) Bromodichloromethane	7.85	83	1903	0.635	ug/l #	50
48) Methyl methacrylate	7.73	41	62492	25.218	ug/l #	53
49) 1,4-Dioxane	7.57	88	42	0.606	ug/l #	28
51) 4-Methyl-2-Pentanone	8.51	43	30342	9.202	ug/l #	42
53) t-1,3-Dichloropropene	8.82	75	449352	139.482	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	55361	22.116	ug/l #	19
56) Ethyl methacrylate	9.16	69	11060	3.021	ug/l #	1
59) 2-Hexanone	9.22	43	867	0.339	ug/l	89
60) Dibromochloromethane	9.34	129	73	2.552	ug/l #	11

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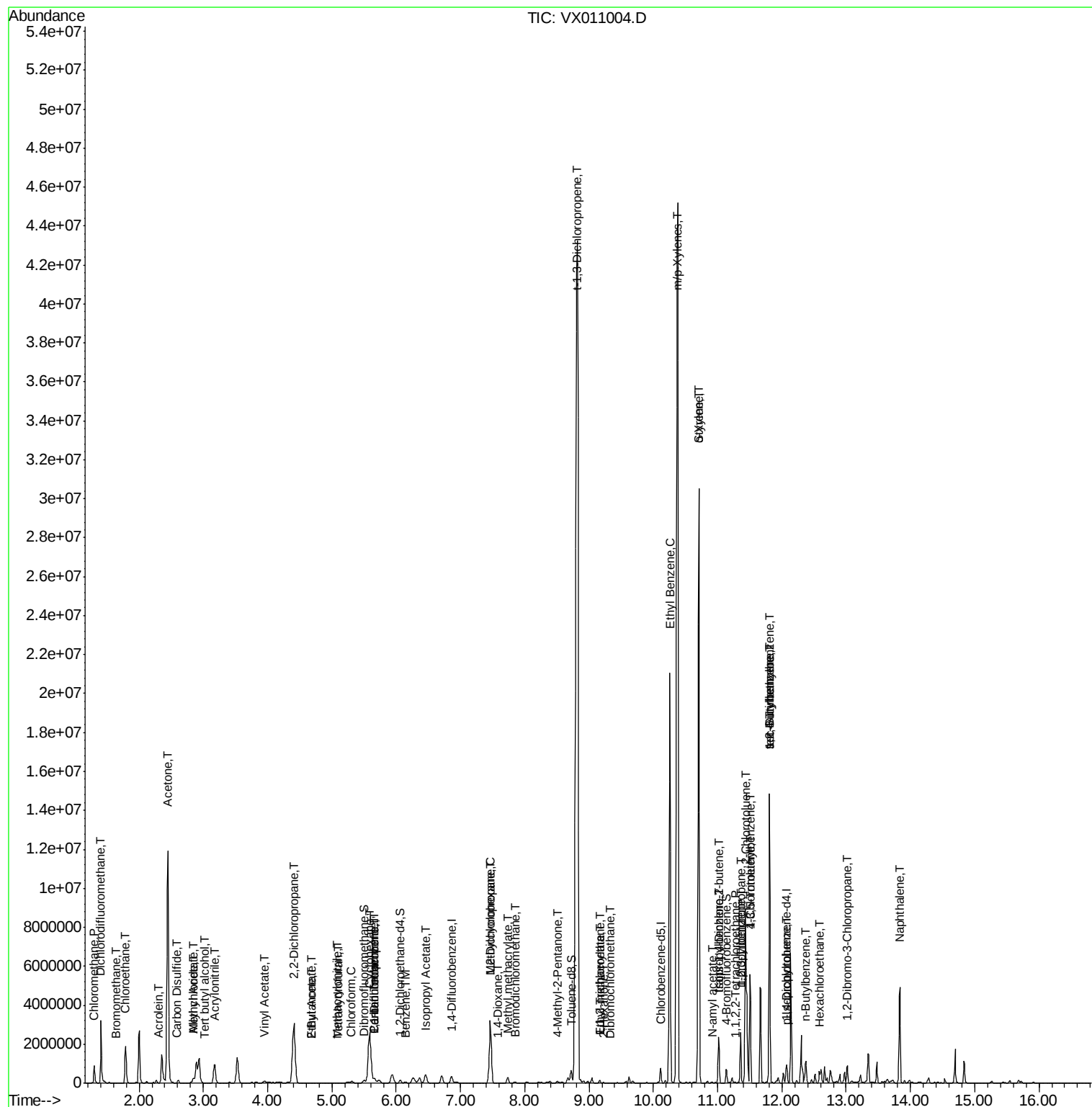
67) Ethyl Benzene	10.26	91	12650487	993.210	ug/l	89
68) m/p-Xylenes	10.38	106	14915694	3052.872	ug/l #	56
69) o-Xylene	10.71	106	7797672	1635.318	ug/l	81
70) Styrene	10.71	104	404365	50.872	ug/l #	1
73) Isopropylbenzene	11.02	105	1207301	100.496	ug/l	99
74) N-amyl acetate	10.91	43	1139	0.248	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1188	0.302	ug/l #	26
76) 1,2,3-Trichloropropane	11.36	75	9898	3.085	ug/l #	1
78) n-propylbenzene	11.36	91	1582538	119.222	ug/l	99
79) 2-Chlorotoluene	11.43	91	802780	100.676	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2366518	235.746	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	14210	14.308	ug/l #	65
82) 4-Chlorotoluene	11.51	91	253666	27.332	ug/l #	43
83) tert-Butylbenzene	11.81	119	835691	84.753	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.81	105	6535845	645.978	ug/l	98
85) sec-Butylbenzene	11.81	105	6535845	565.695	ug/l #	55
86) p-Isopropyltoluene	12.06	119	132738	12.427	ug/l	99
89) n-Butylbenzene	12.38	91	175944	19.254	ug/l #	28
90) Hexachloroethane	12.58	117	26701	15.849	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2896	3.524	ug/l #	1
95) Naphthalene	13.83	128	3083376	270.334	ug/l	100

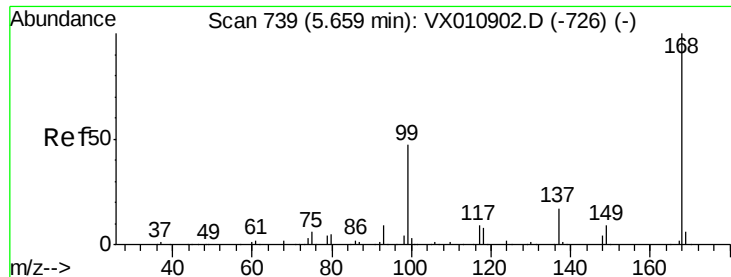
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

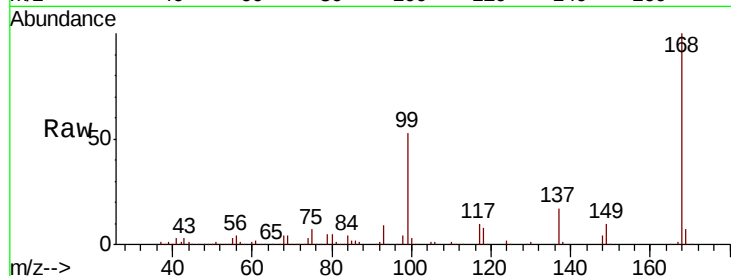
FL-0619

Tot Ion:168 Resp: 234391

Ion Ratio Lower Upper

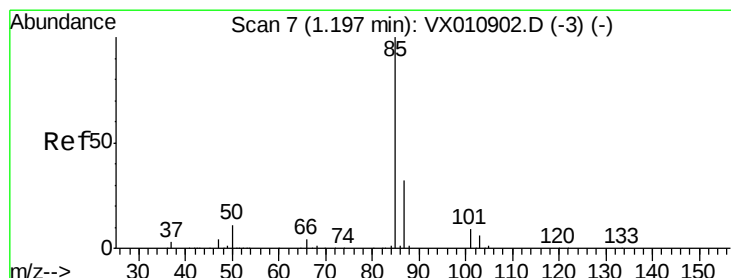
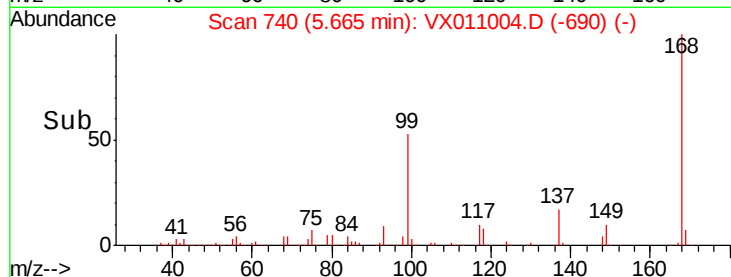
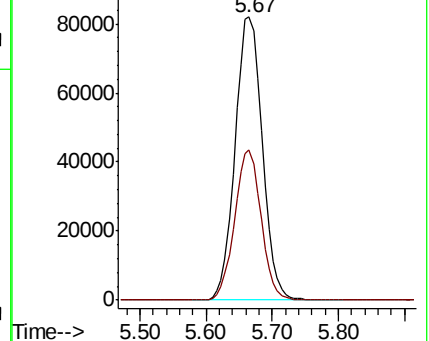
168 100

99 52.9 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: 0.572 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.21 min

Lab File: VX011004.D

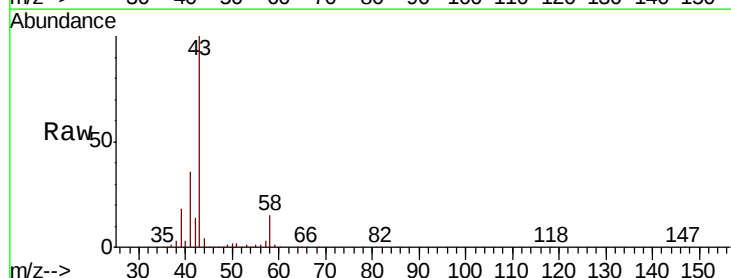
Acq: 19 Jul 2019 15:51

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

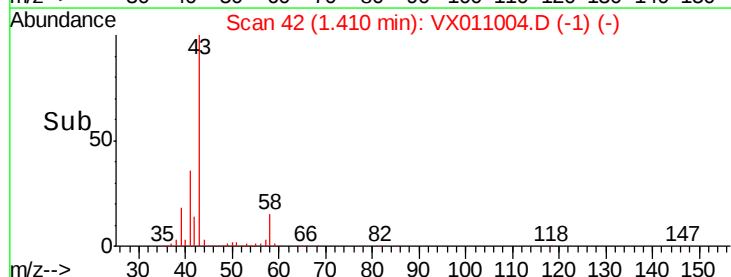
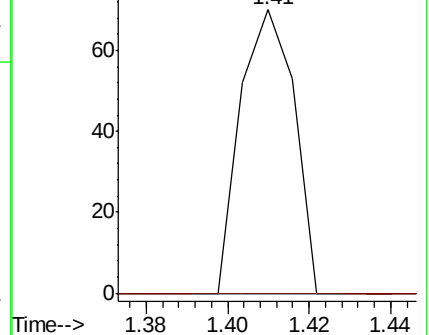
85 100

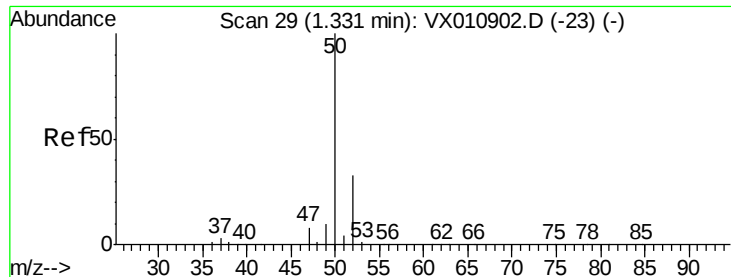
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 3.861 ug/l

RT: 1.30 min Scan# 24

Delta R.T. -0.03 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

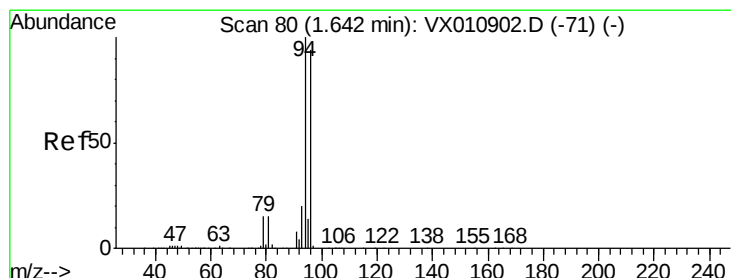
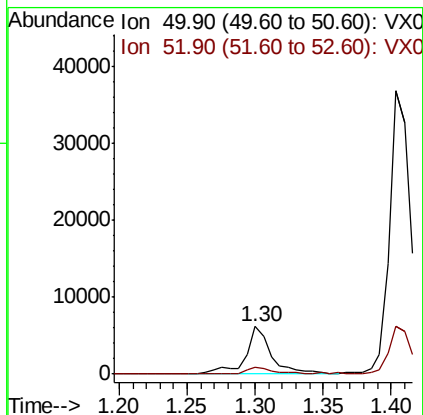
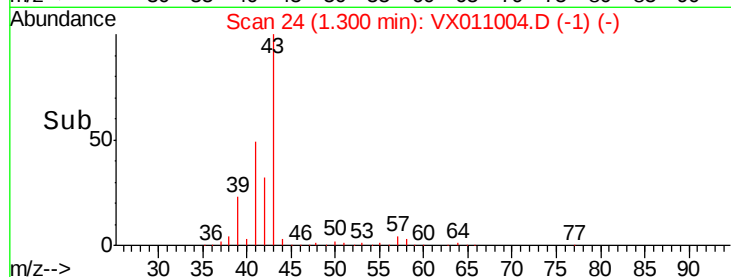
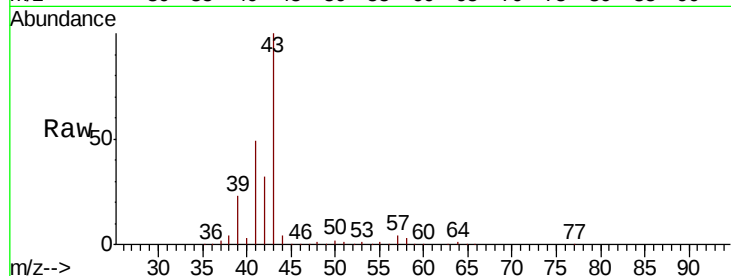
FL-0619

Tot Ion: 50 Resp: 8323

Ion Ratio Lower Upper

50 100

52 12.8 26.4 39.6#



#5

Bromomethane

Concen: 0.288 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011004.D

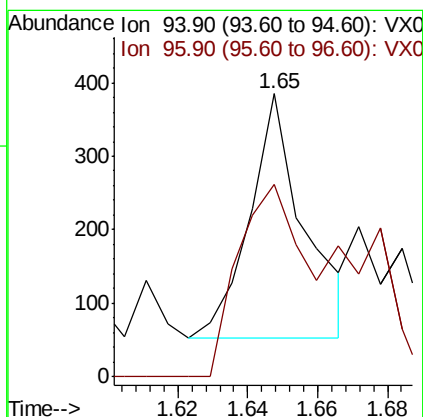
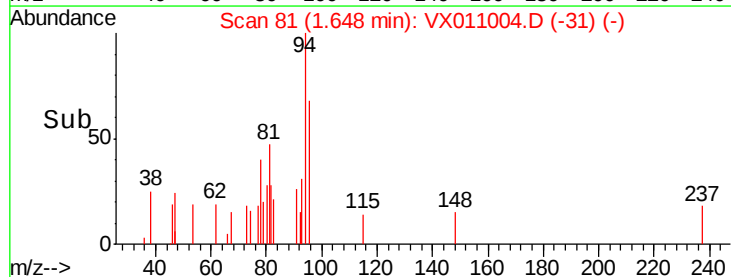
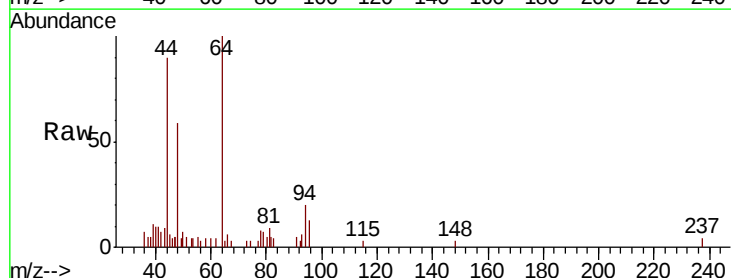
Acq: 19 Jul 2019 15:51

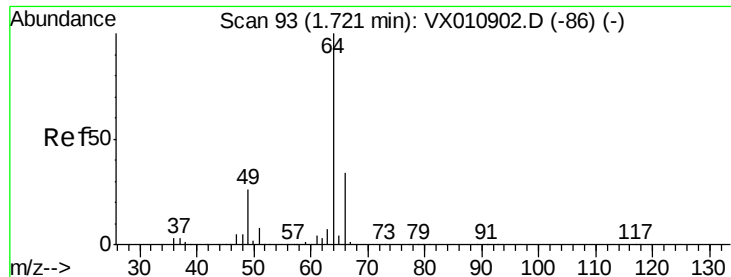
Tgt Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 78.9 75.6 113.4

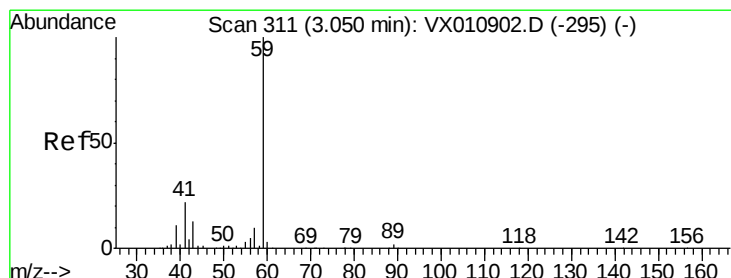
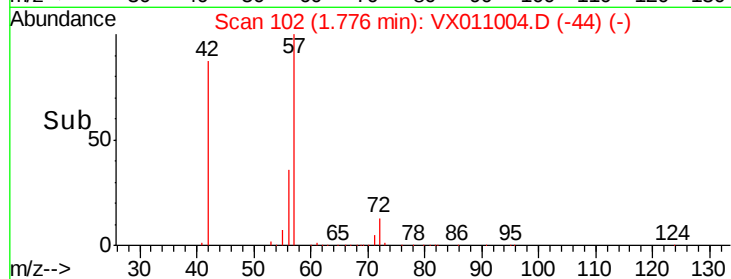
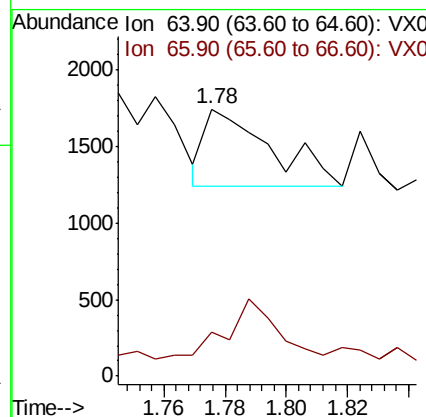
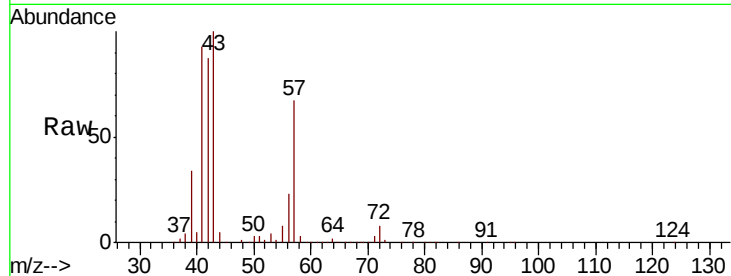




#6
 Chloroethane
 Concen: 0.541 ug/l
 RT: 1.78 min Scan# 102
 Delta R.T. 0.05 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

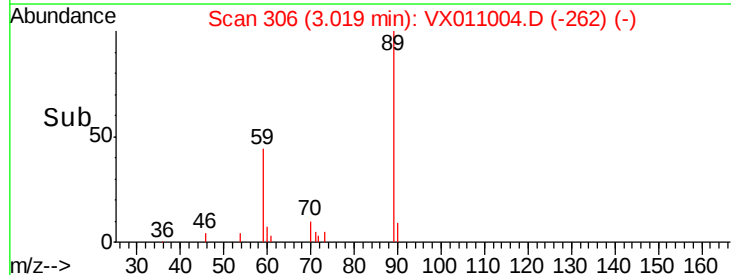
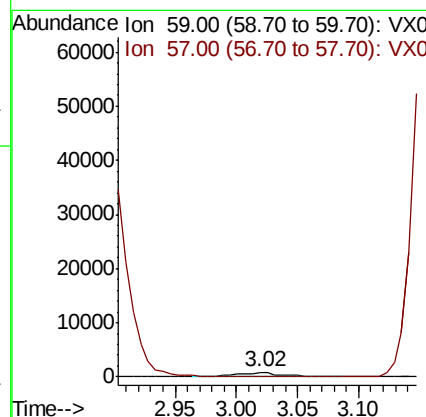
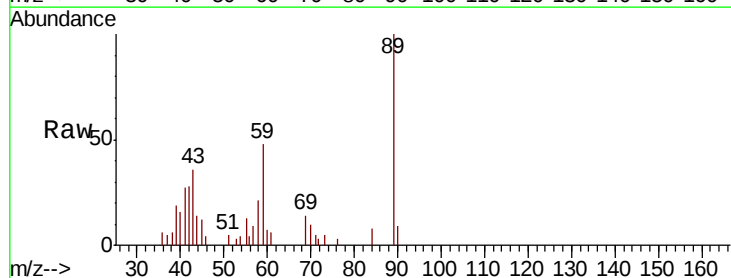
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0619

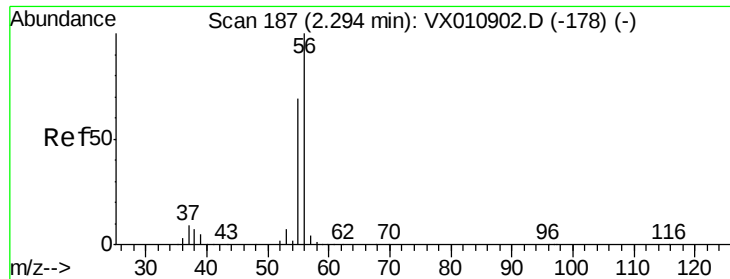
Tot Ion: 64 Resp: 756
 Ion Ratio Lower Upper
 64 100
 66 28.7 27.0 40.6



#11
 Tert butyl alcohol
 Concen: 3.639 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Tgt Ion: 59 Resp: 2113
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#





#13

Acrolein

Concen: 19.778 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

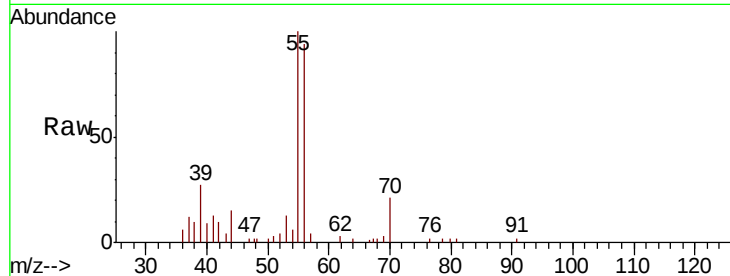
FL-0619

Tot Ion: 56 Resp: 6636

Ion Ratio Lower Upper

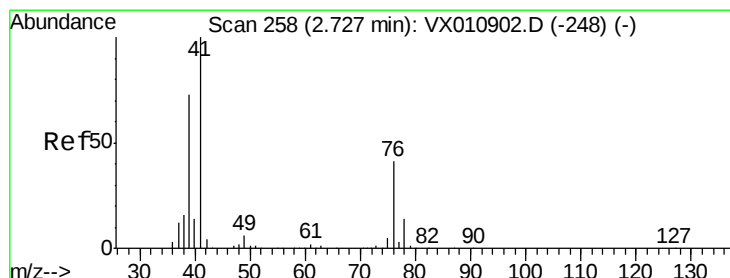
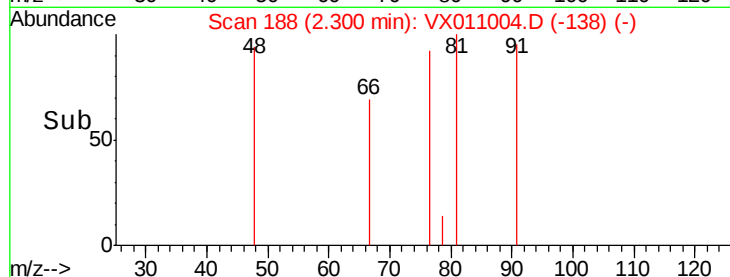
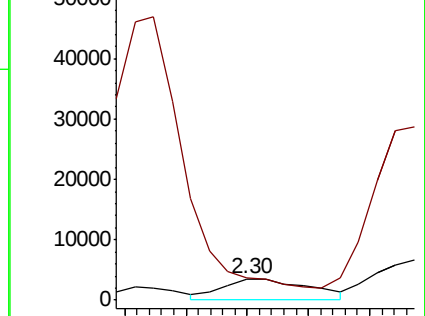
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 22.041 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

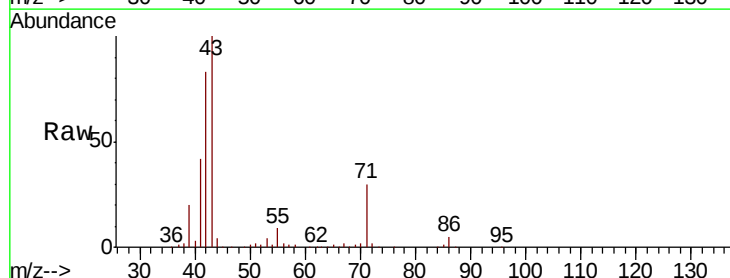
Tgt Ion: 41 Resp: 66842

Ion Ratio Lower Upper

41 100

39 64.9 53.6 80.4

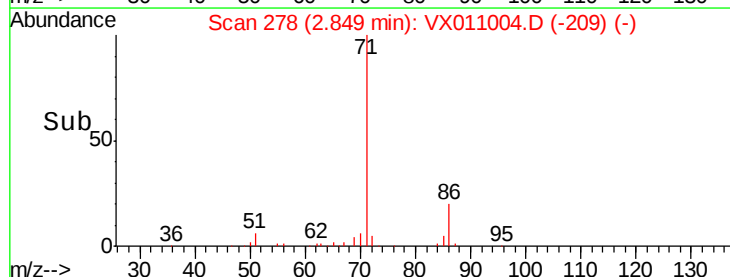
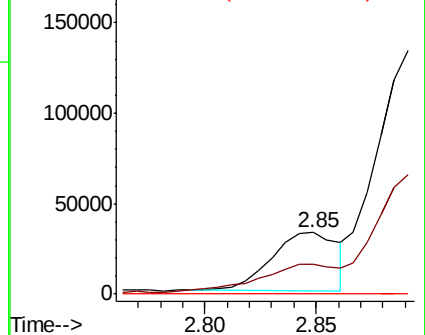
76 0.0 29.7 44.5#

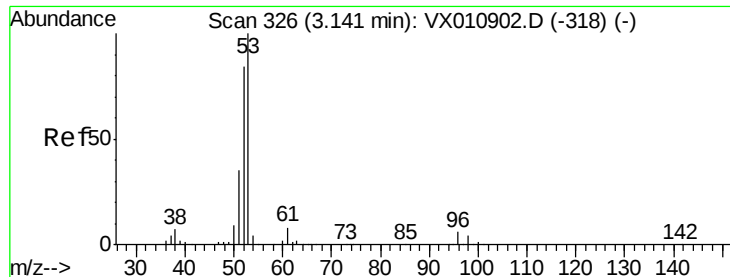


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 21.337 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

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FL-0619

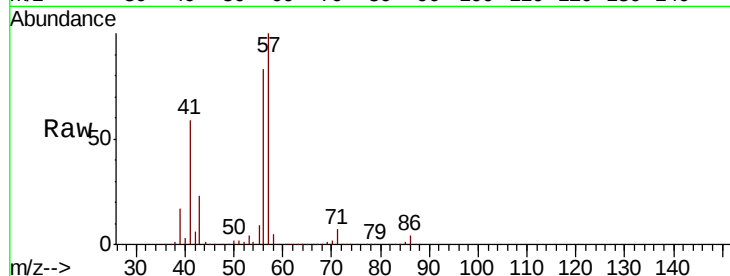
Tot Ion: 53 Resp: 25038

Ion Ratio Lower Upper

53 100

52 20.7 66.5 99.7#

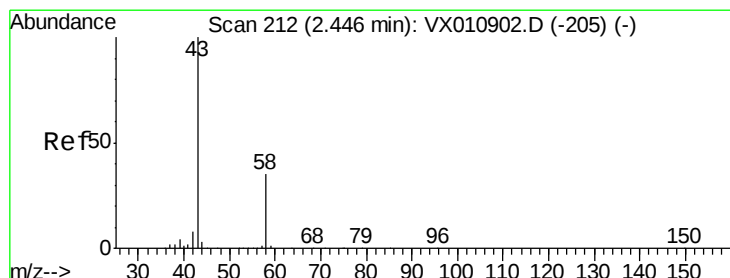
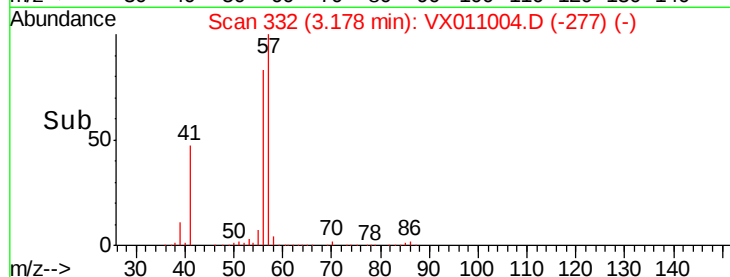
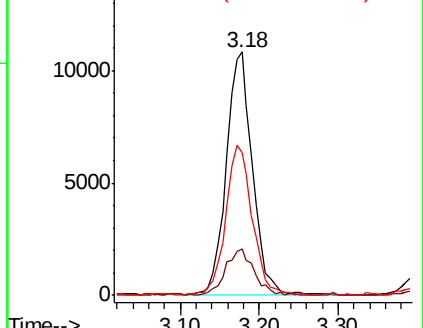
51 62.6 28.2 42.4#



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: 11541.181 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011004.D

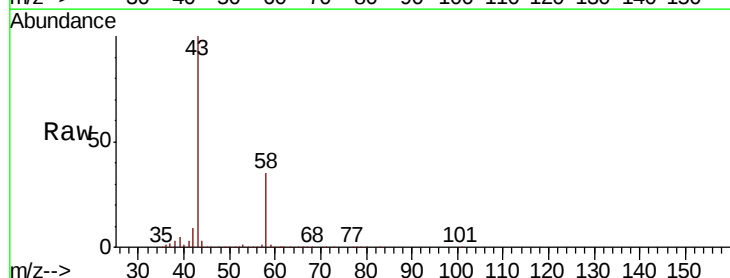
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 12997838

Ion Ratio Lower Upper

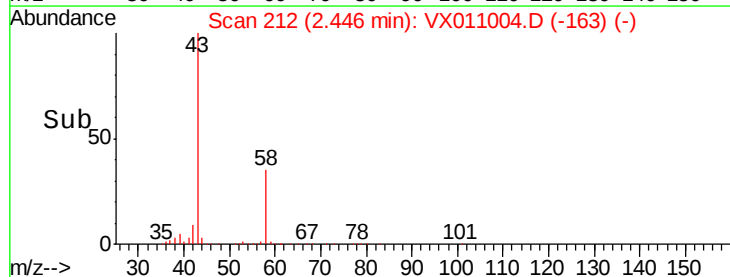
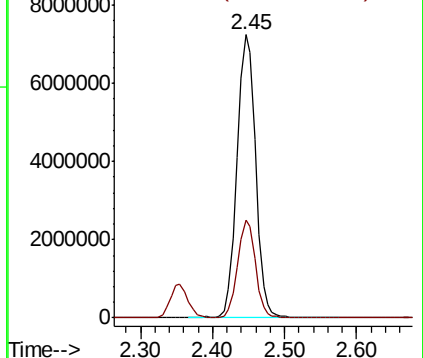
43 100

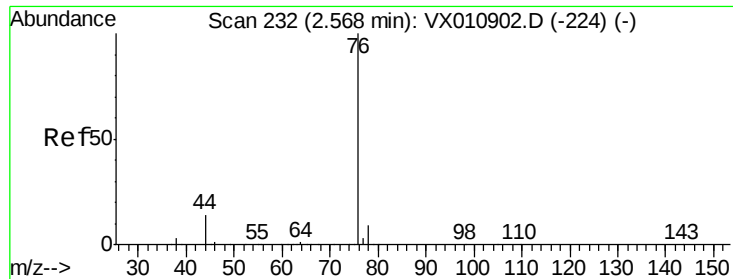
58 34.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

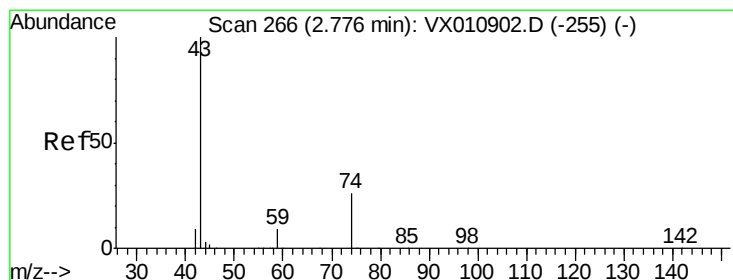
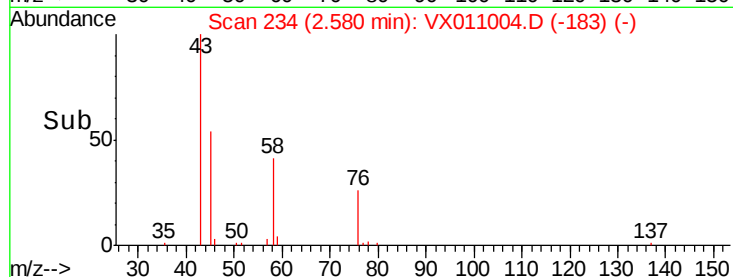
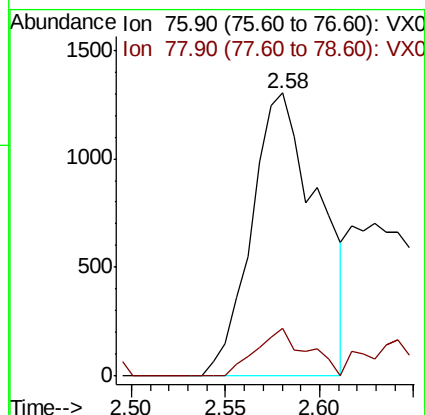
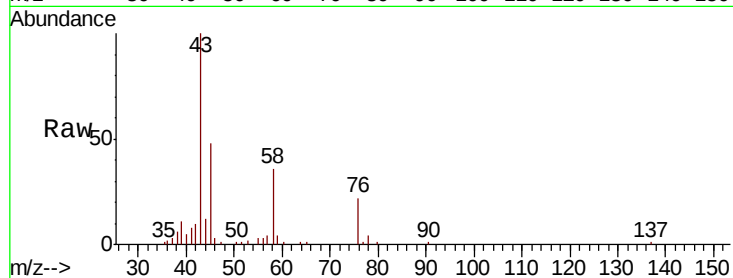




#17
Carbon Disulfide
Concen: 0.600 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

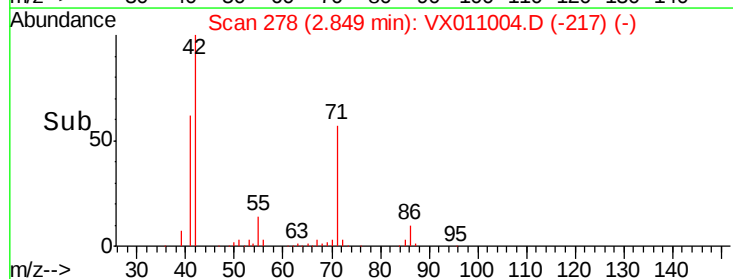
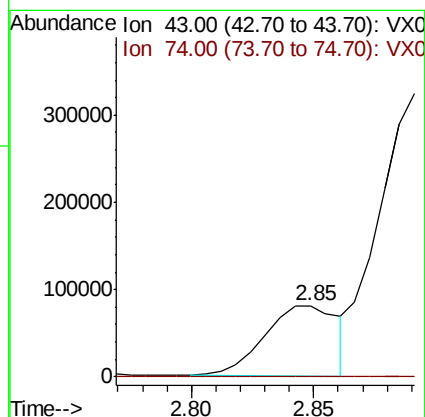
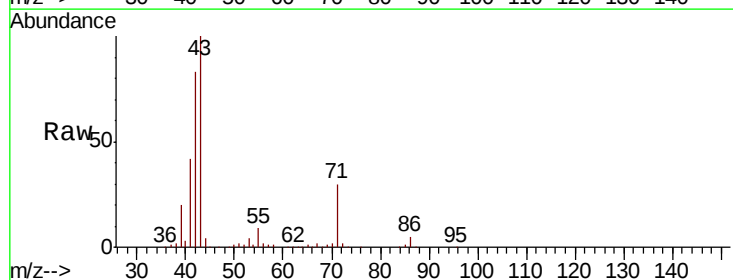
Instrument :
MSVOA_X
ClientSampled :
FL-0619

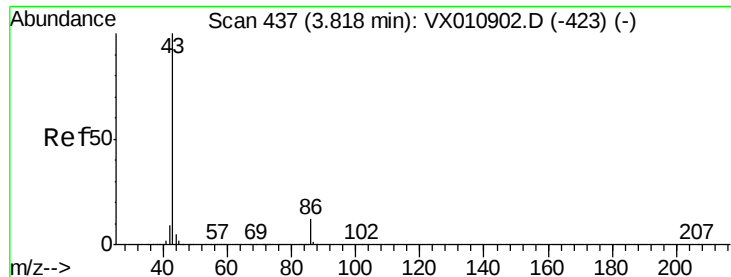
Tot Ion: 76 Resp: 3211
Ion Ratio Lower Upper
76 100
78 17.1 7.4 11.0#



#18
Methyl Acetate
Concen: 65.629 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 168301
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#





#23

Vinyl Acetate

Concen: 2.318 ug/l

RT: 3.95 min Scan# 459

Delta R.T. 0.13 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

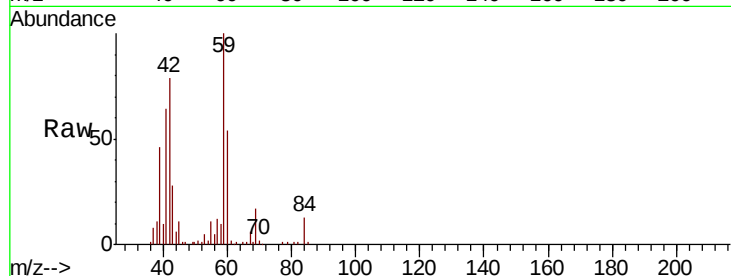
FL-0619

Tot Ion: 43 Resp: 12561

Ion Ratio Lower Upper

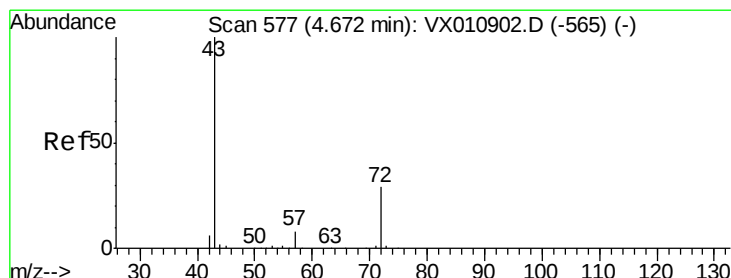
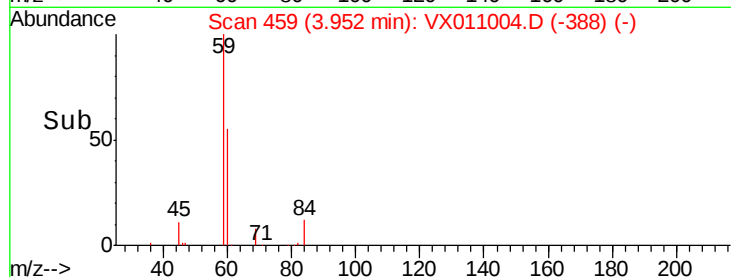
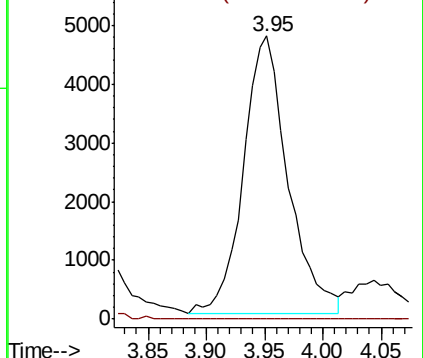
43 100

86 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 6.325 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011004.D

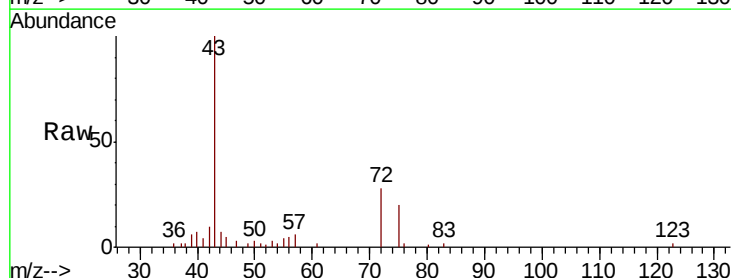
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 10225

Ion Ratio Lower Upper

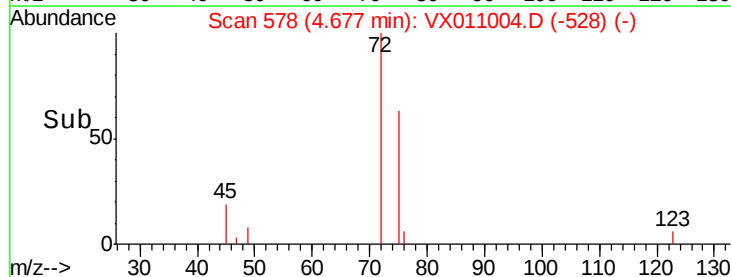
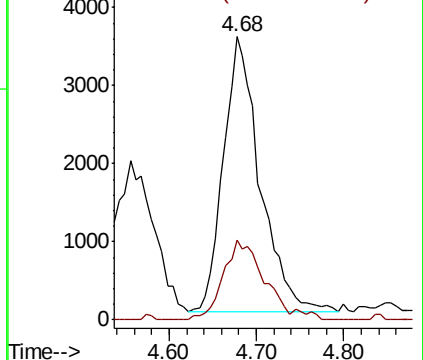
43 100

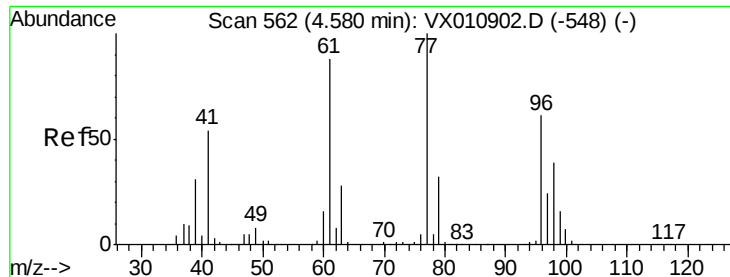
72 29.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 5.887 ug/l

RT: 4.41 min Scan# 534

Delta R.T. -0.17 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

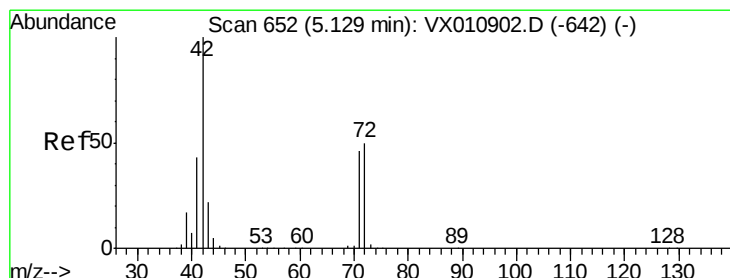
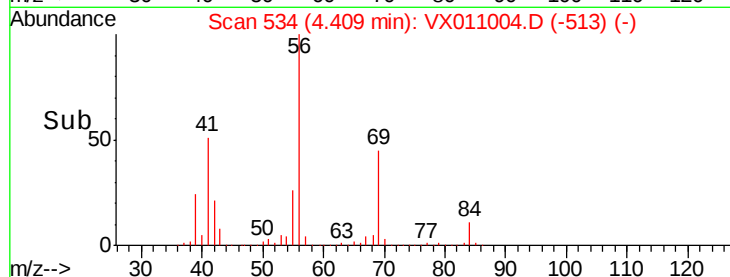
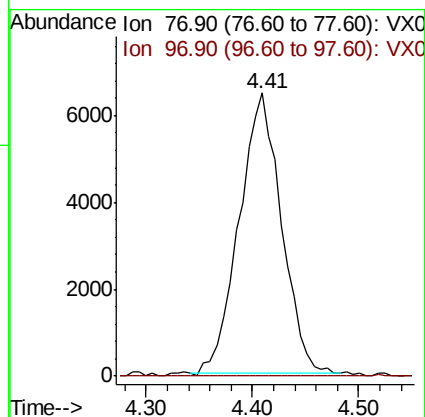
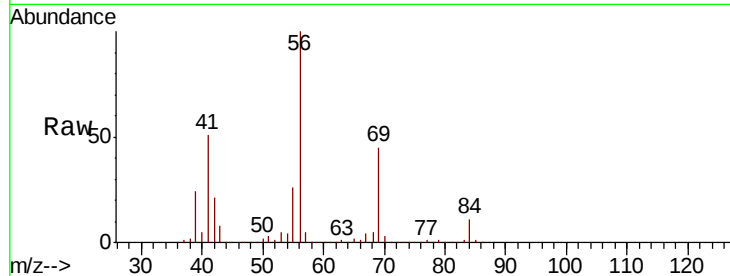
FL-0619

Tot Ion: 77 Resp: 17955

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.6#



#29

Tetrahydrofuran

Concen: 0.367 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.02 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

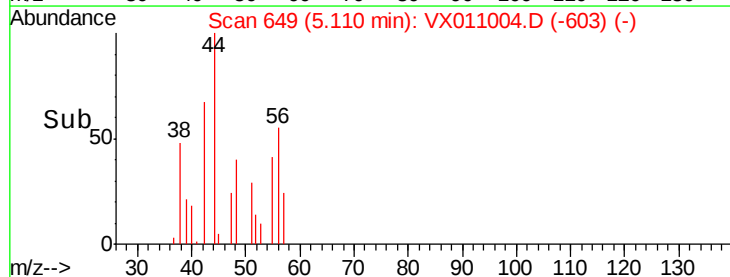
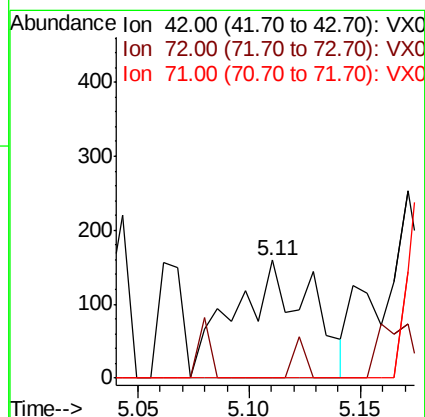
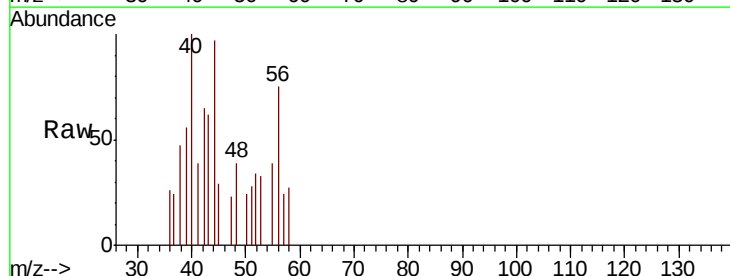
Tgt Ion: 42 Resp: 376

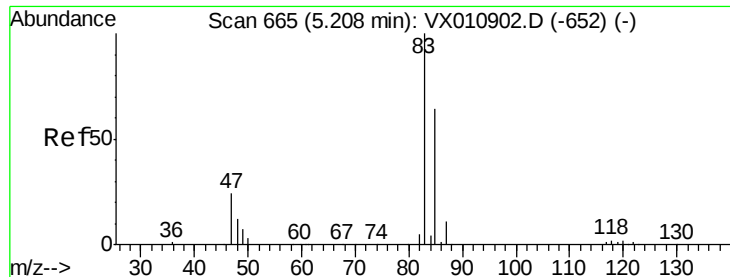
Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

71 0.0 37.0 55.4#

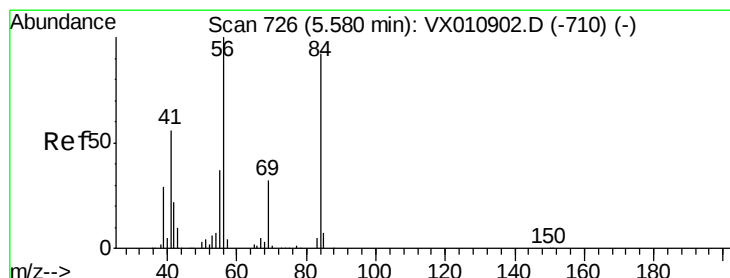
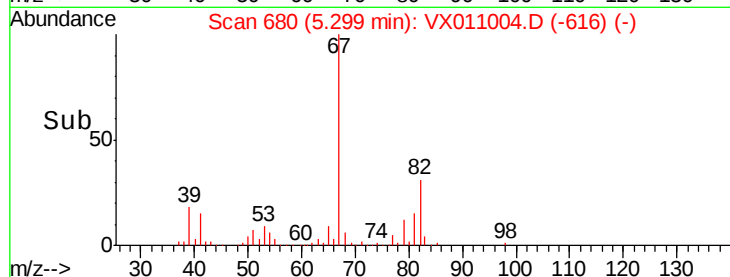
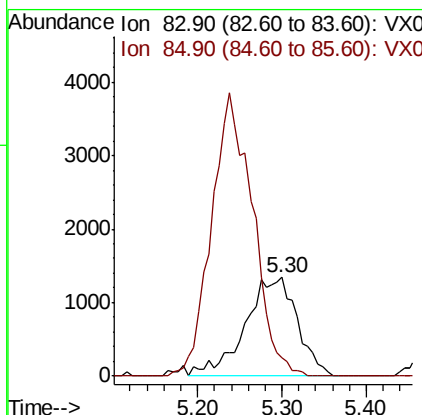
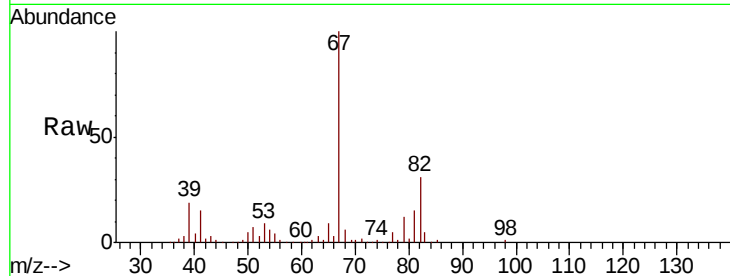




#30
Chloroform
Concen: 1.418 ug/l
RT: 5.30 min Scan# 680
Delta R.T. 0.09 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

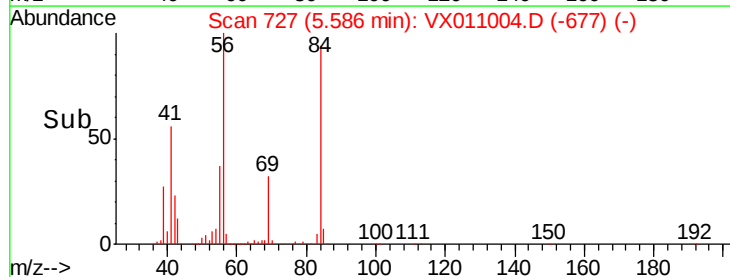
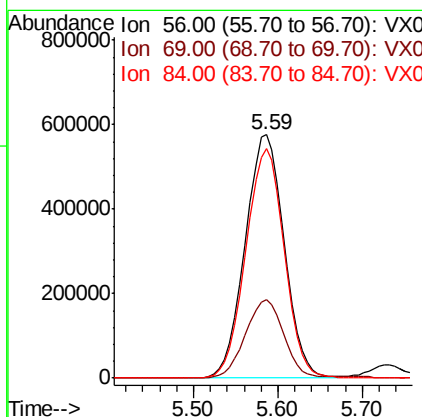
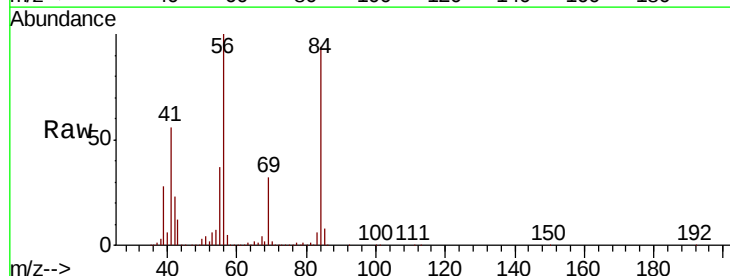
Instrument :
MSVOA_X
ClientSampled :
FL-0619

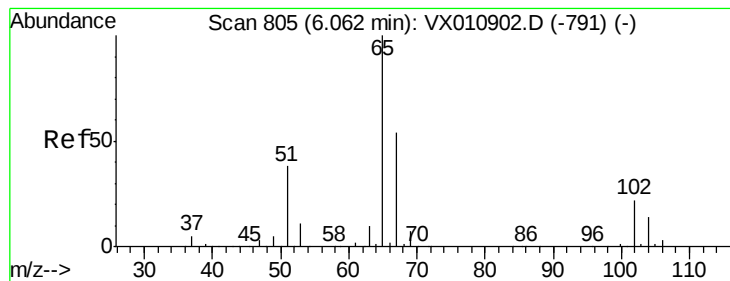
Tot Ion: 83 Resp: 5695
Ion Ratio Lower Upper
83 100
85 19.1 51.4 77.0#



#31
Cyclohexane
Concen: 536.997 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 56 Resp: 1818099
Ion Ratio Lower Upper
56 100
69 31.8 25.8 38.8
84 94.3 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 50.938 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

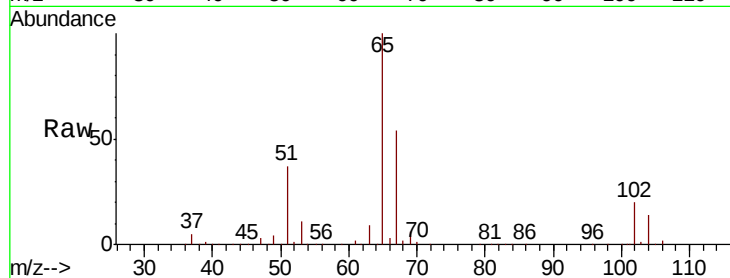
FL-0619

Tot Ion: 65 Resp: 127017

Ion Ratio Lower Upper

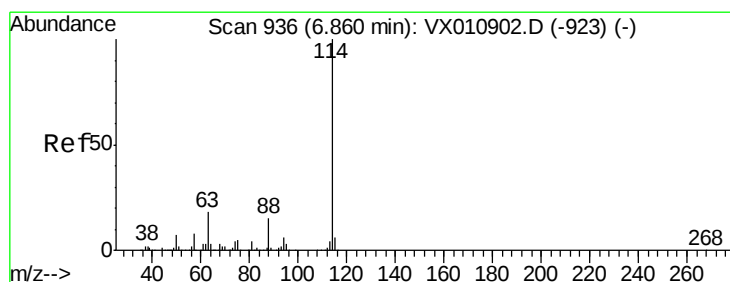
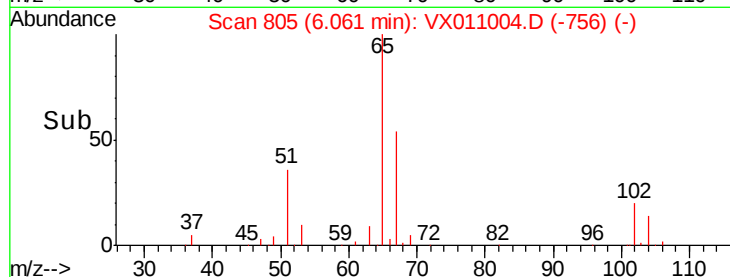
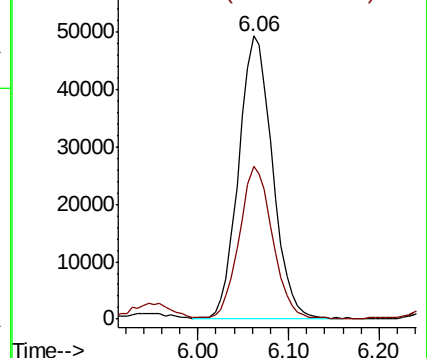
65 100

67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

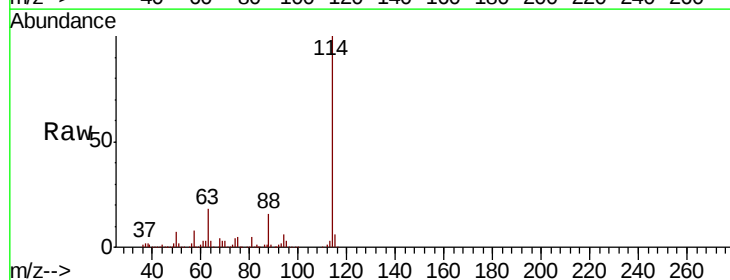
Tgt Ion: 114 Resp: 367806

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

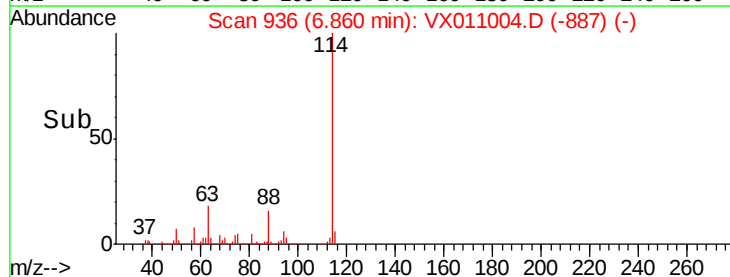
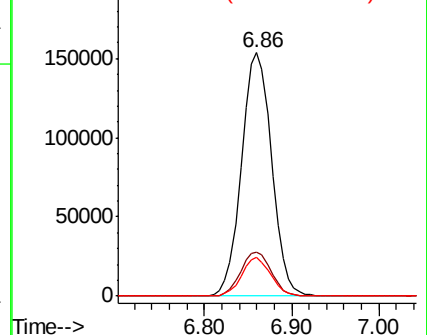
88 15.9 0.0 29.8

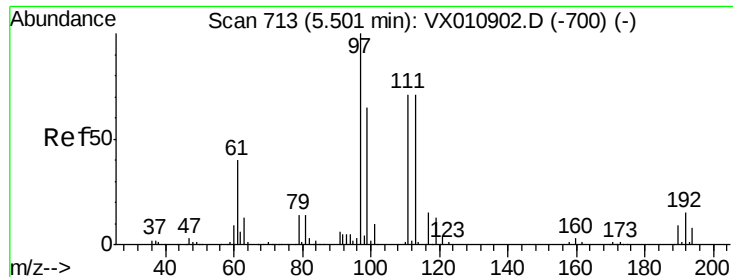


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

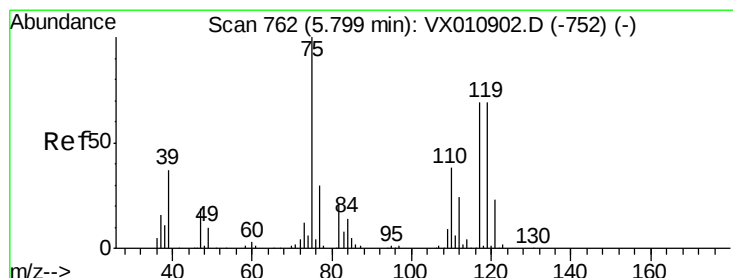
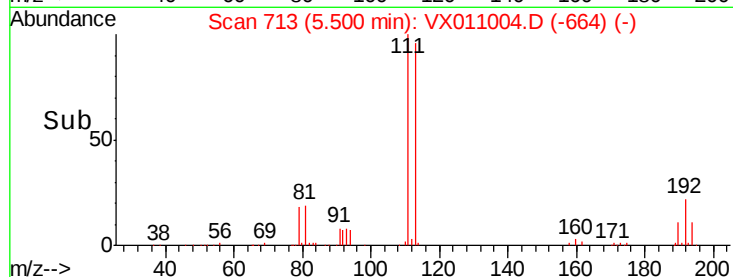
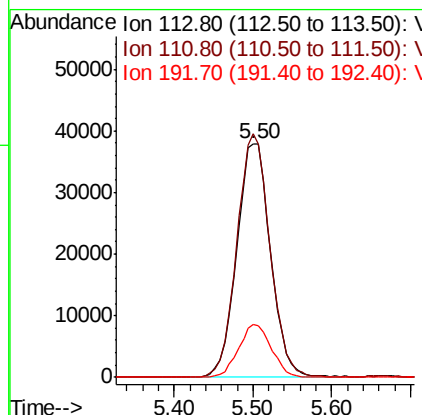
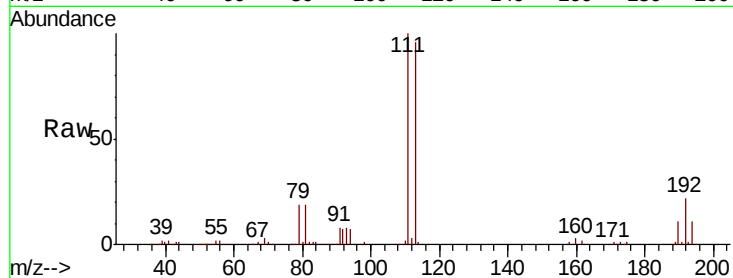




#35
 Dibromofluoromethane
 Concen: 48.285 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

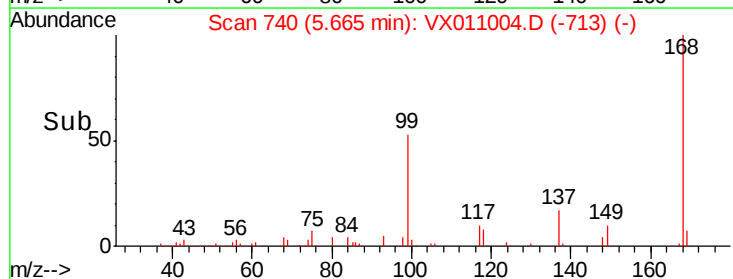
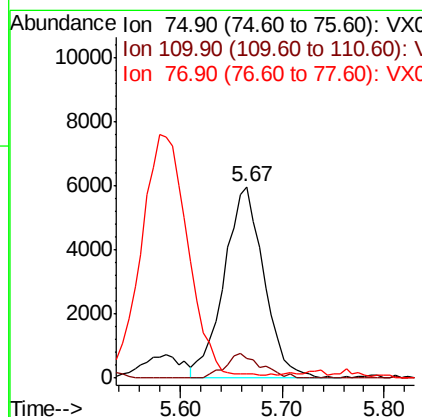
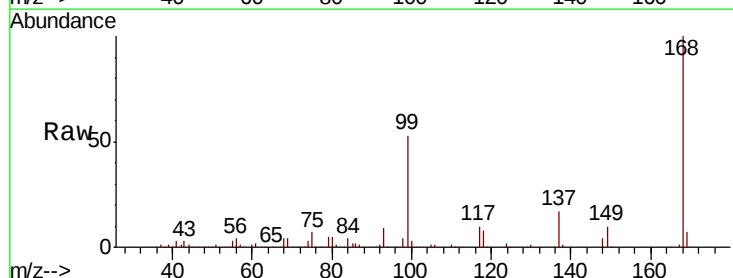
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0619

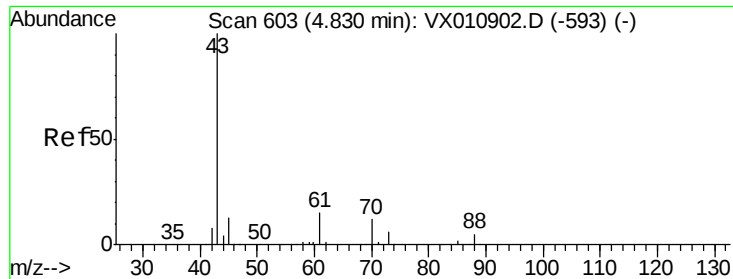
Tot Ion:113 Resp: 112723
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 22.1 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.342 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Tgt Ion: 75 Resp: 16139
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.9 59.7#
 77 0.0 25.0 37.4#

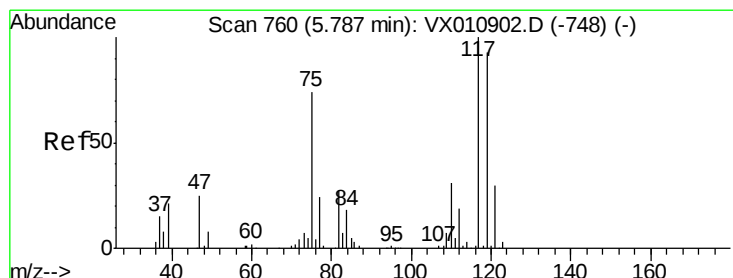
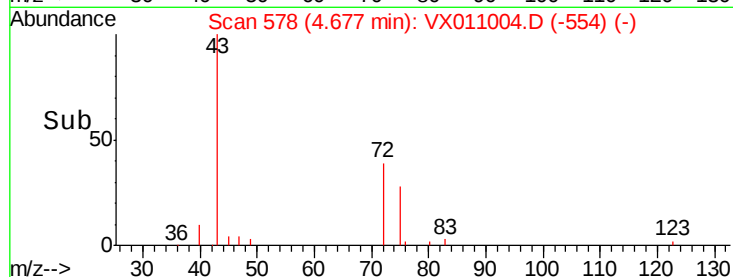
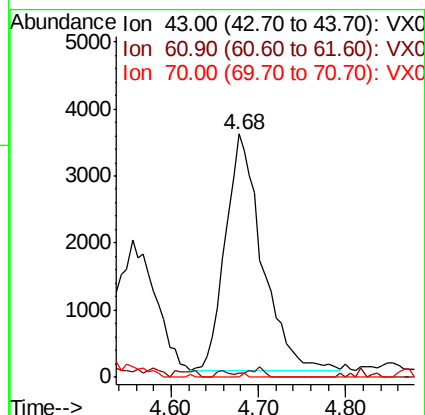
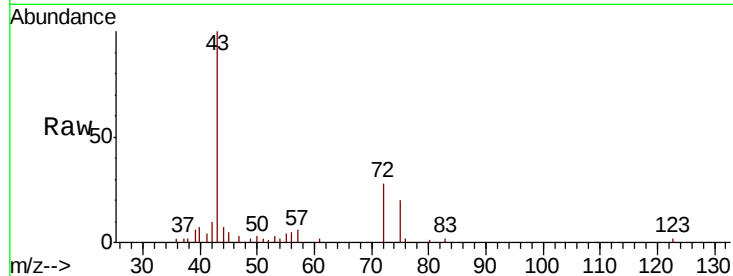




#37
Ethyl Acetate
Concen: 3.305 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.15 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

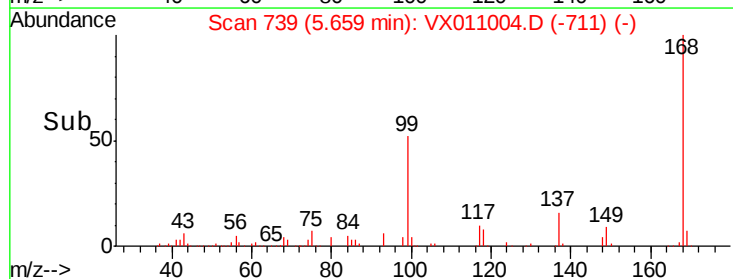
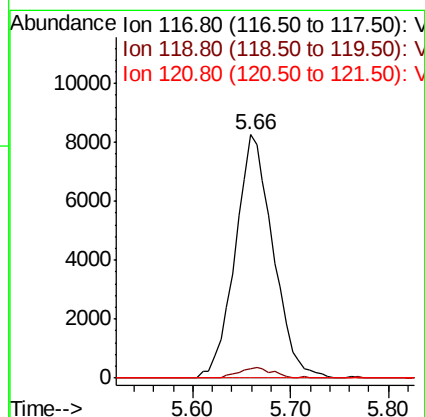
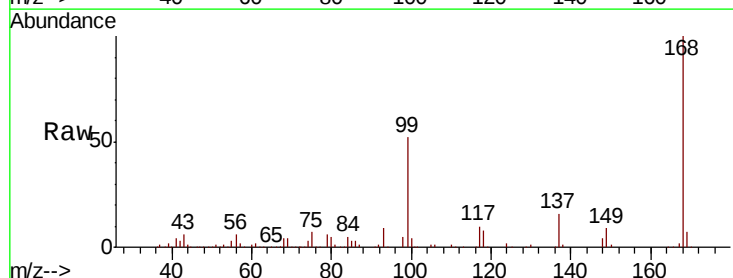
Instrument :
MSVOA_X
ClientSampleId :
FL-0619

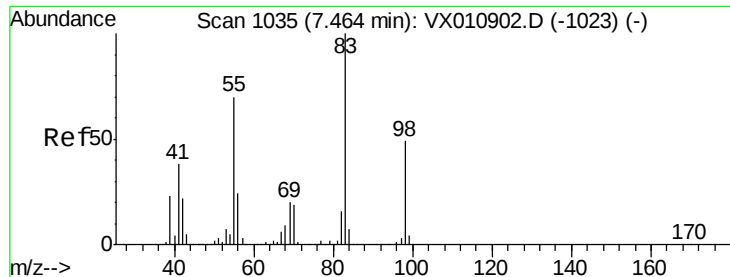
Tot Ion: 43 Resp: 10225
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.2 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 7.029 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 117 Resp: 22128
Ion Ratio Lower Upper
117 100
119 3.8 74.2 111.2#
121 0.0 24.2 36.2#

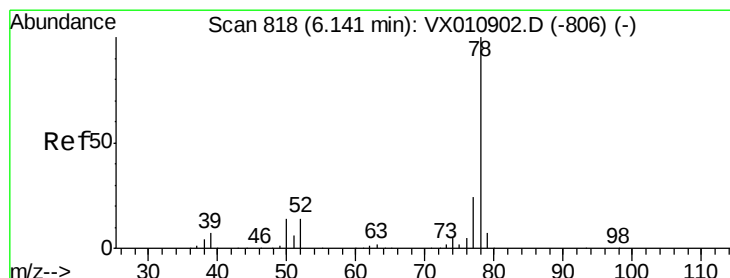
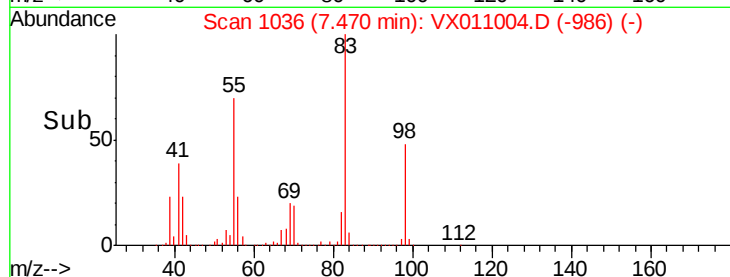
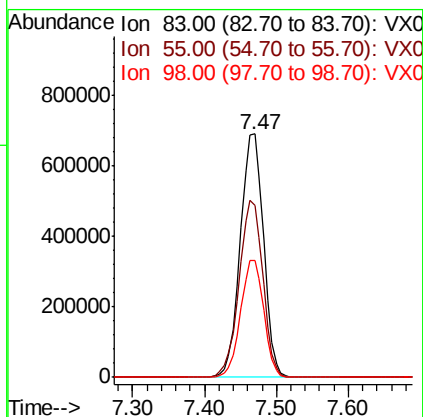
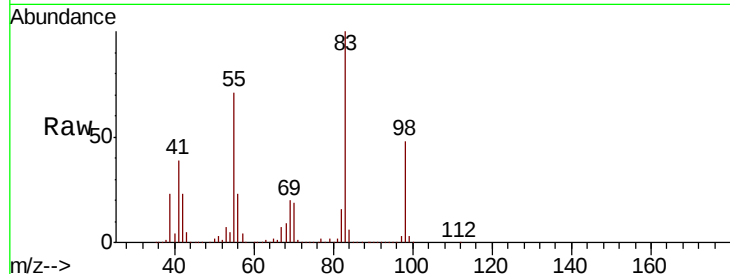




#39
Methvlcvclohexane
Concen: 394.715 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

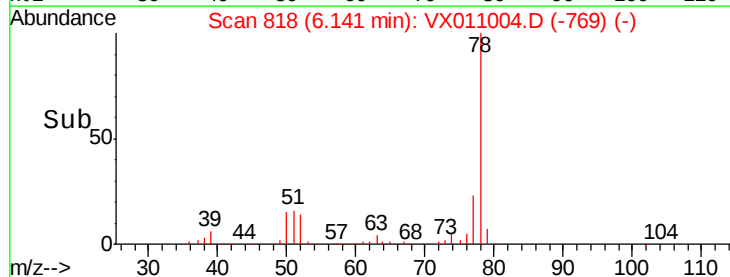
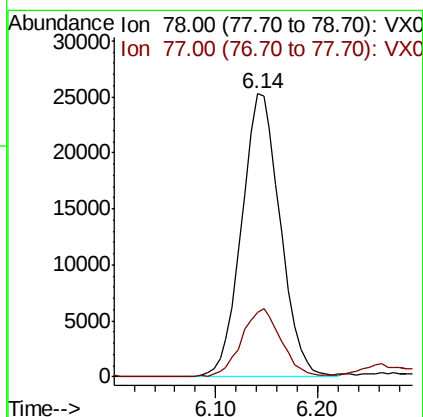
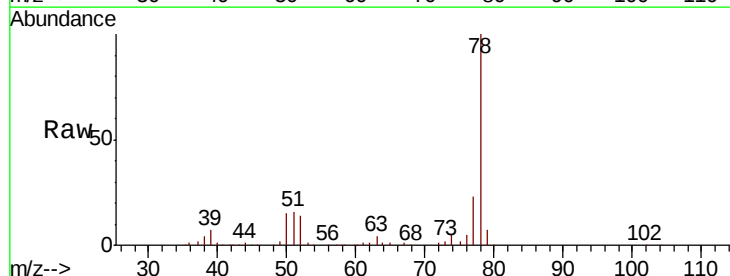
Instrument :
MSVOA_X
ClientSampled :
FL-0619

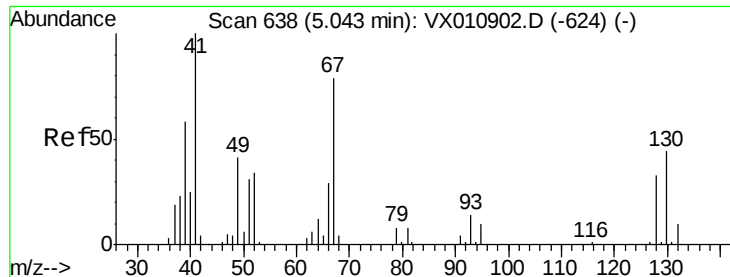
Tot Ion: 83 Resp: 1546455
Ion Ratio Lower Upper
83 100
55 70.5 56.2 84.4
98 48.2 39.0 58.4



#40
Benzene
Concen: 7.202 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 78 Resp: 66653
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6

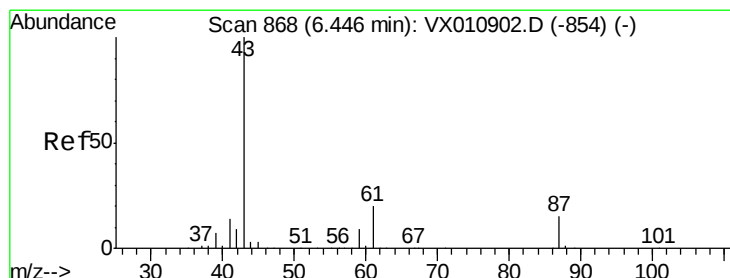
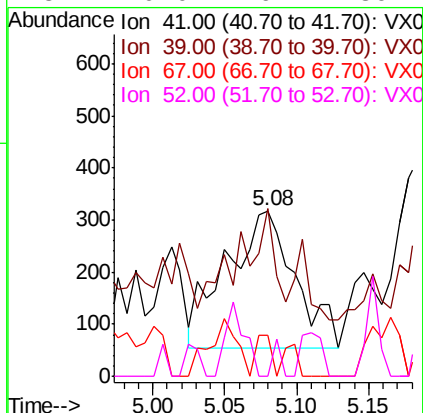
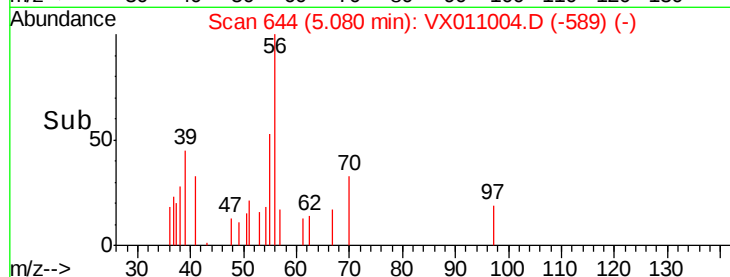
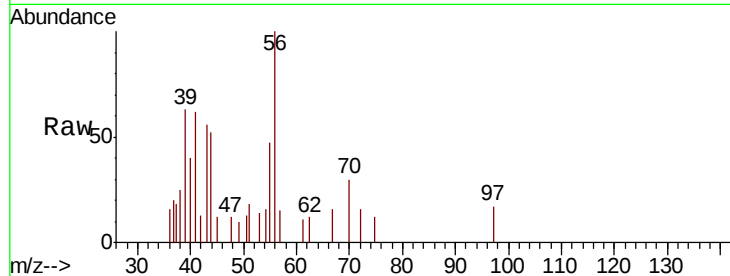




#41
Methacrylonitrile
Concen: 0.495 ug/l
RT: 5.08 min Scan# 644
Delta R.T. 0.04 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

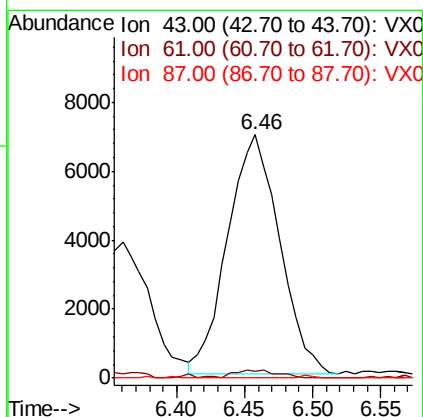
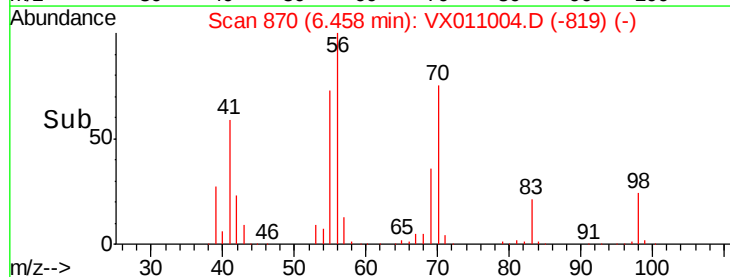
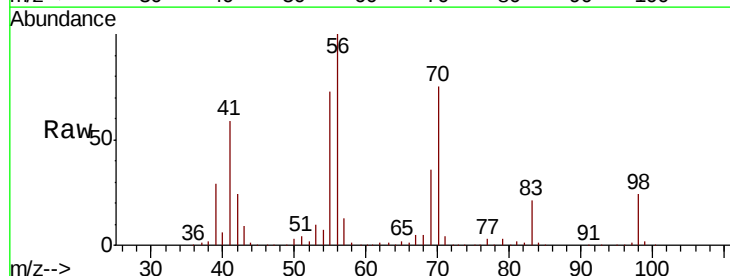
Instrument :
MSVOA_X
ClientSampled :
FL-0619

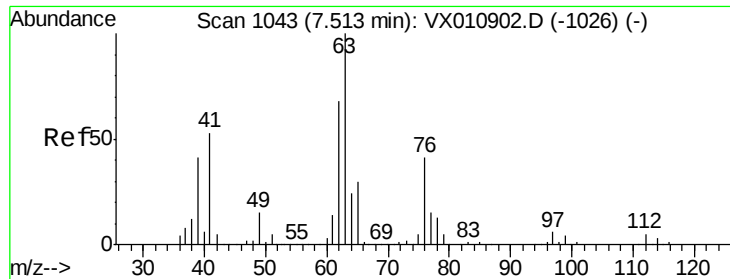
Tot Ion: 41 Resp: 870
Ion Ratio Lower Upper
41 100
39 37.0 45.4 68.2#
67 0.0 65.9 98.9#
52 0.0 26.2 39.2#



#43
Isopropyl Acetate
Concen: 3.644 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 18538
Ion Ratio Lower Upper
43 100
61 2.9 17.1 25.7#
87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 6.605 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

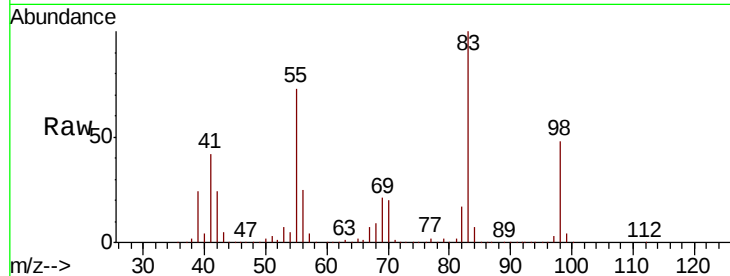
FL-0619

Tot Ion: 63 Resp: 15558

Ion Ratio Lower Upper

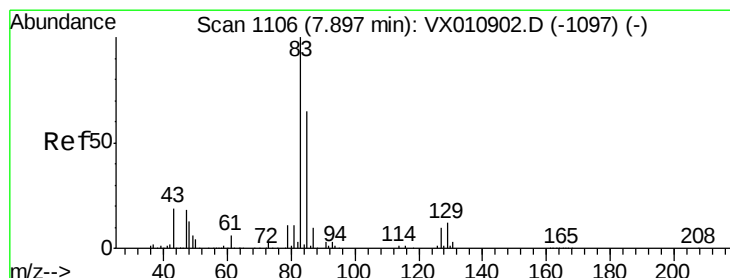
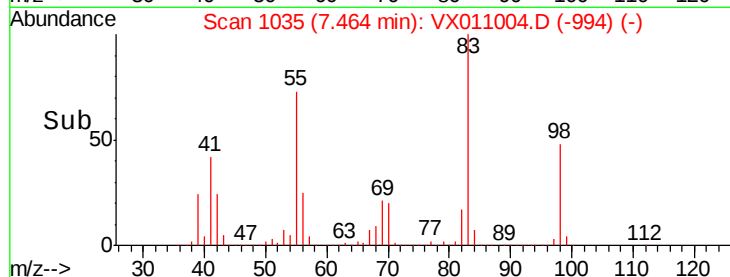
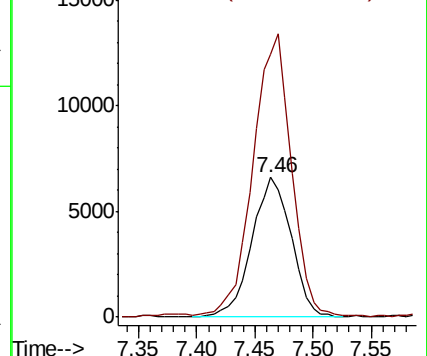
63 100

65 187.0 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: 0.635 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

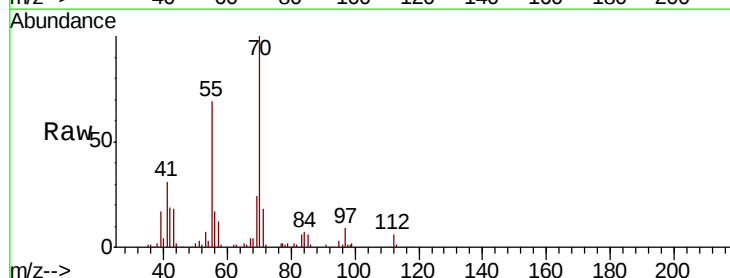
Tgt Ion: 83 Resp: 1903

Ion Ratio Lower Upper

83 100

85 108.0 52.5 78.7#

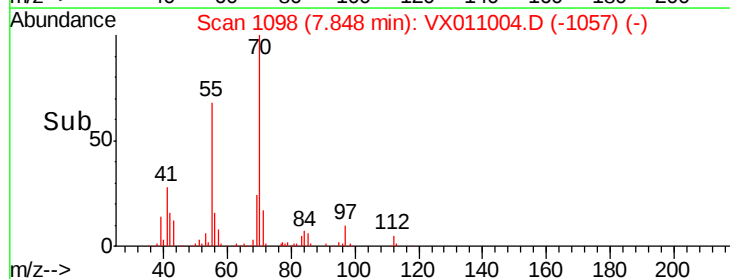
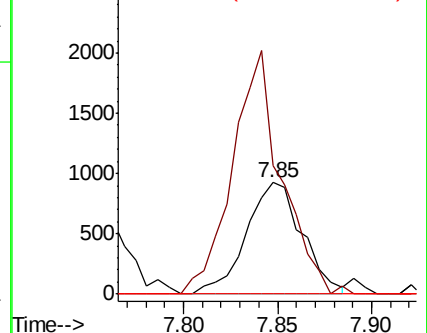
127 0.0 7.8 11.8#

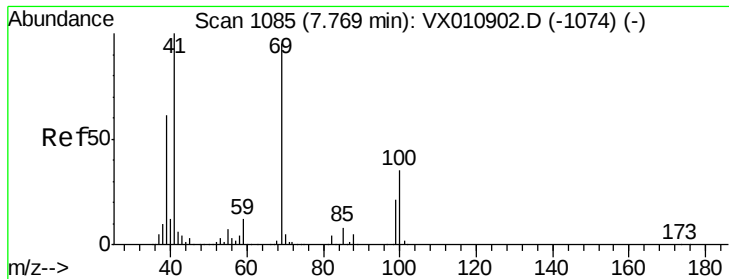


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

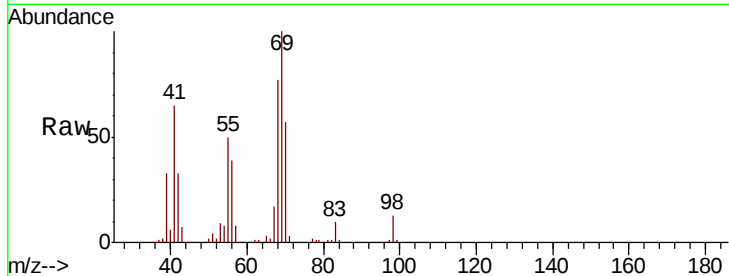




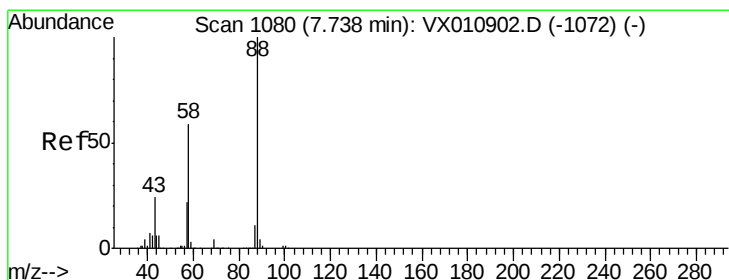
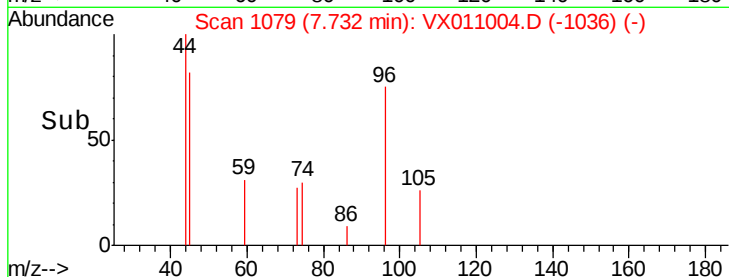
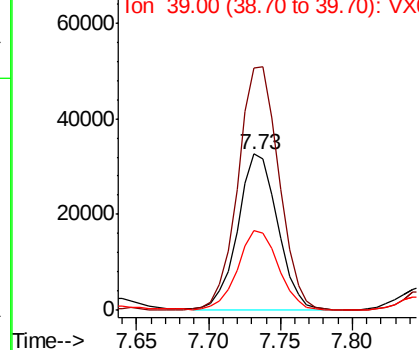
#48
Methyl methacrylate
Concen: 25.218 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0619

Tot Ion: 41 Resp: 62492
Ion Ratio Lower Upper
41 100
69 160.5 74.4 111.6#
39 51.7 48.9 73.3

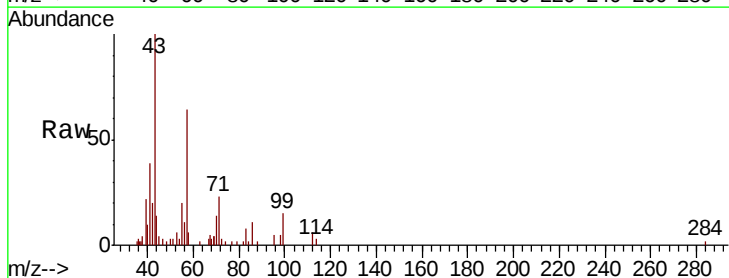


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

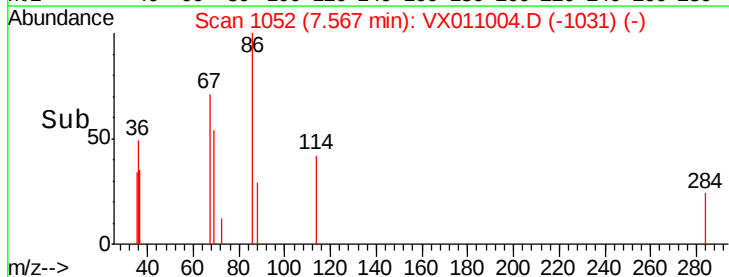
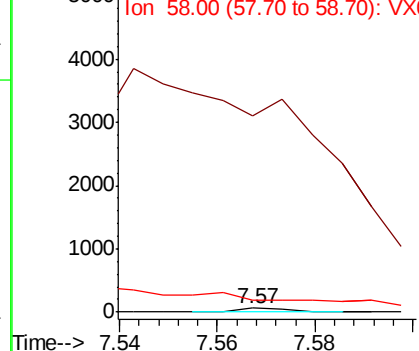


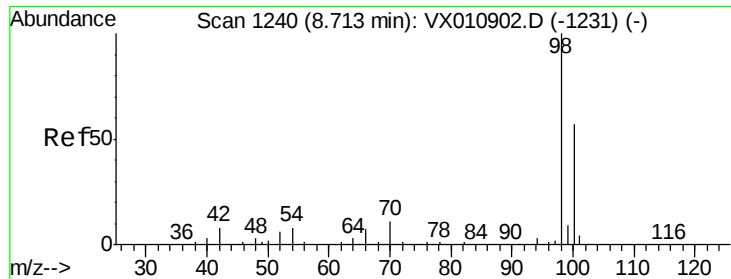
#49
1,4-Dioxane
Concen: 0.606 ug/l
RT: 7.57 min Scan# 1052
Delta R.T. -0.17 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 49.8 74.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

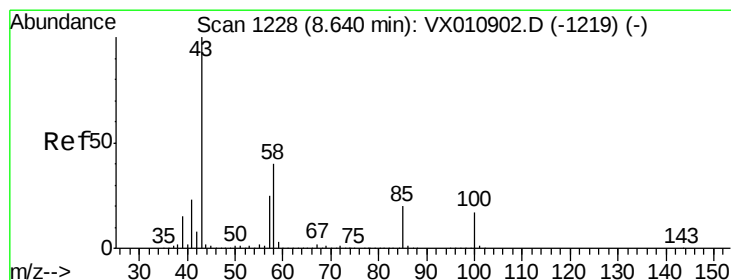
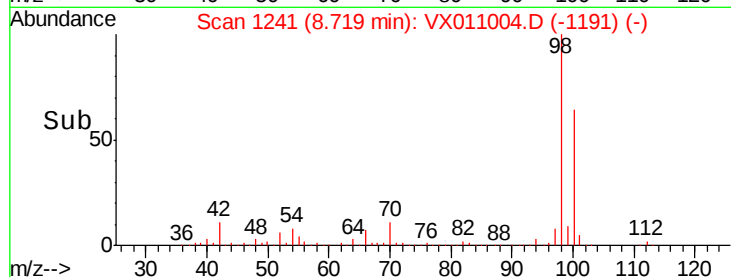
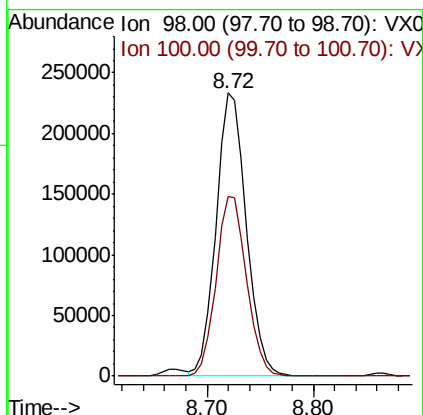
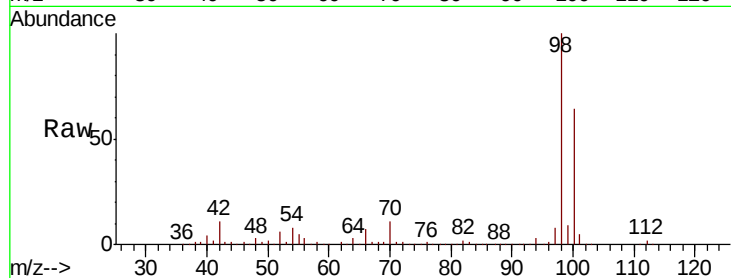




#50
Toluene-d8
Concen: 52.465 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

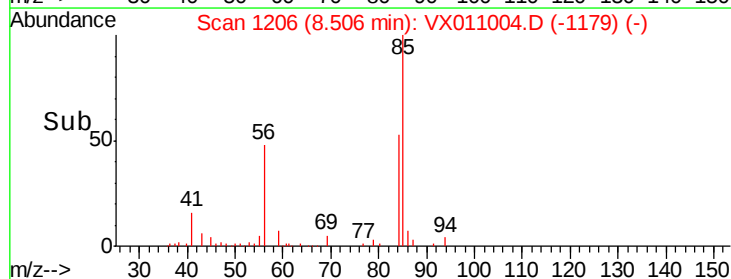
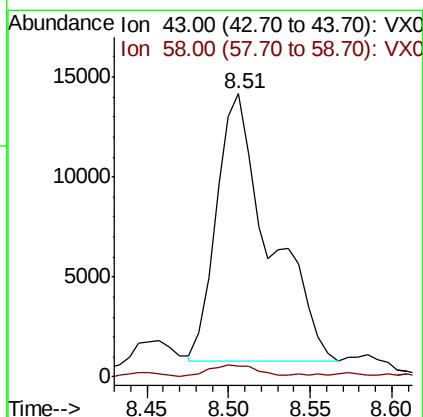
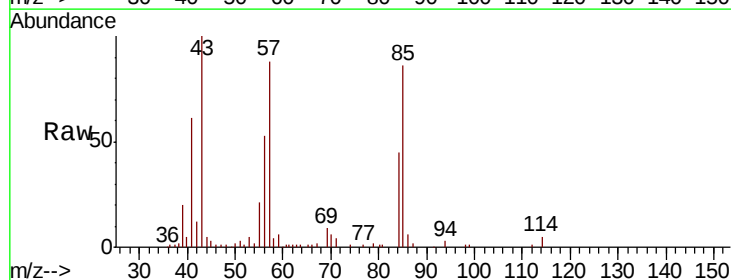
Instrument :
MSVOA_X
ClientSampled :
FL-0619

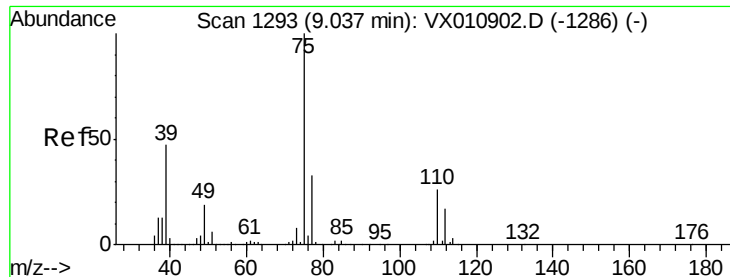
Tot Ion: 98 Resp: 459388
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 9.202 ug/l
RT: 8.51 min Scan# 1206
Delta R.T. -0.13 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 30342
Ion Ratio Lower Upper
43 100
58 4.2 32.2 48.4#

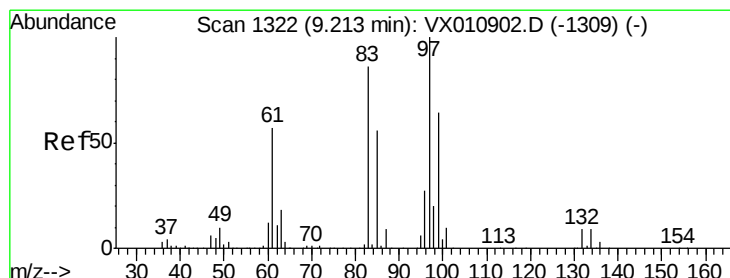
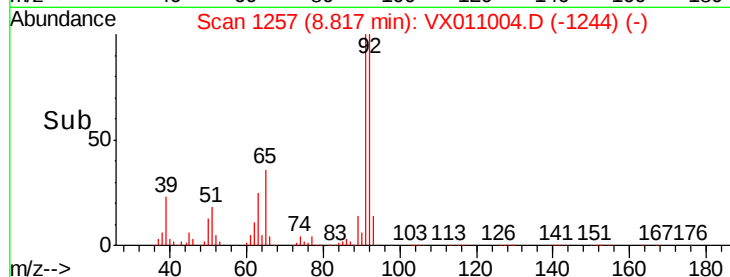
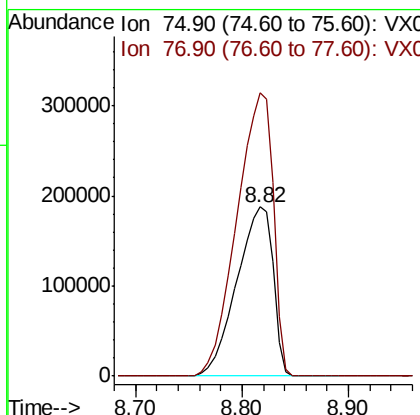
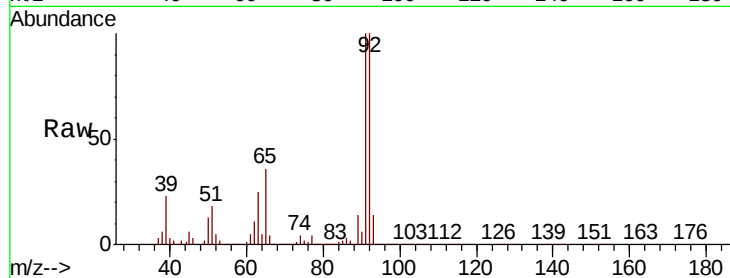




#53
t-1,3-Dichloropropene
Concen: 139.482 ug/l
RT: 8.82 min Scan# 1257
Delta R.T. -0.22 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

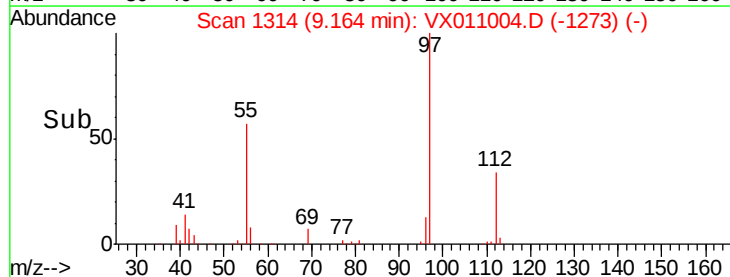
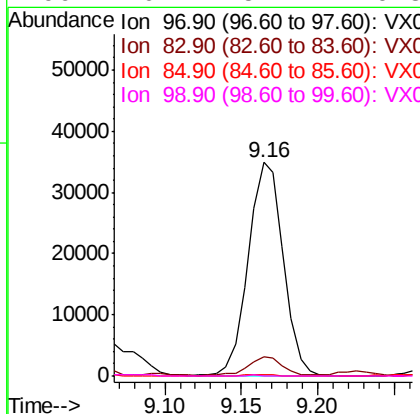
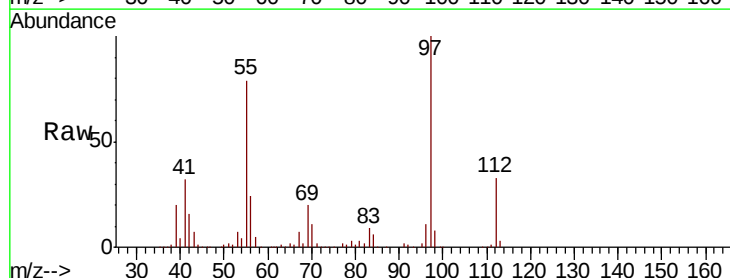
Instrument :
MSVOA_X
ClientSampleId :
FL-0619

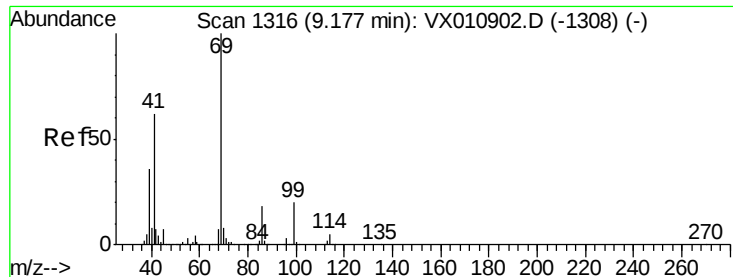
Tot Ion: 75 Resp: 449352
Ion Ratio Lower Upper
75 100
77 167.5 26.2 39.2#



#55
1,1,2-Trichloroethane
Concen: 22.116 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 97 Resp: 55361
Ion Ratio Lower Upper
97 100
83 8.5 69.2 103.8#
85 0.5 44.6 66.8#
99 0.2 51.2 76.8#





#56

Ethyl methacrylate

Concen: 3.021 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

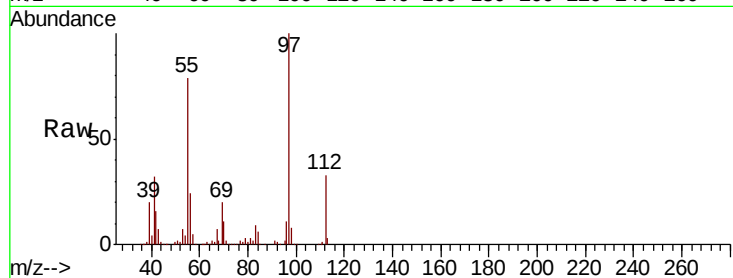
Tot Ion: 69 Resp: 11060

Ion Ratio Lower Upper

69 100

41 160.4 49.7 74.5#

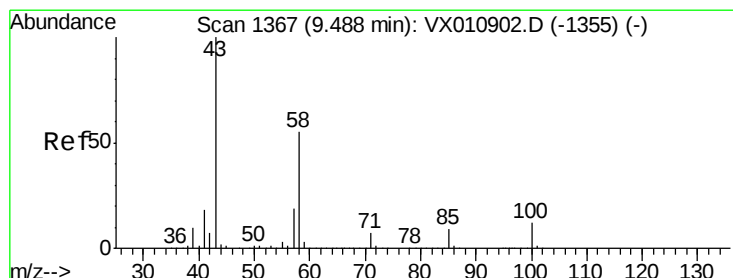
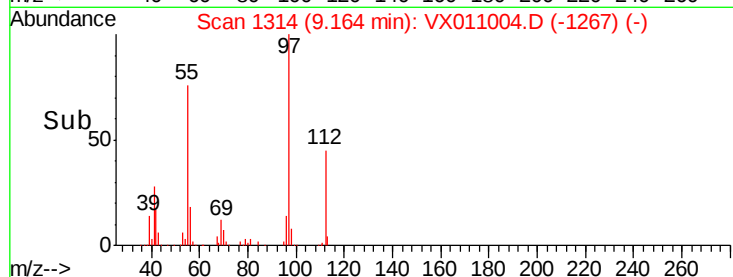
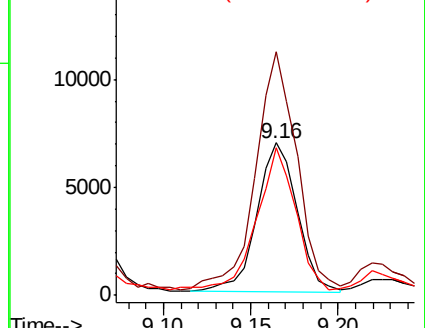
39 90.4 29.6 44.4#



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



#59

2-Hexanone

Concen: 0.339 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.27 min

Lab File: VX011004.D

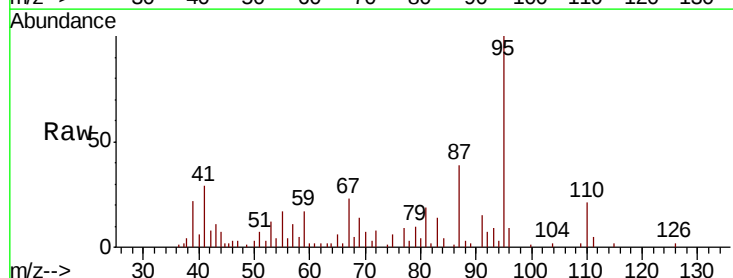
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

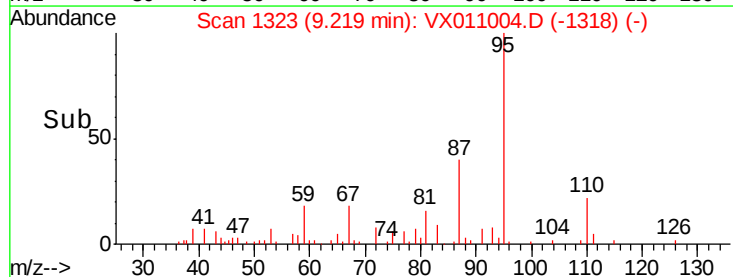
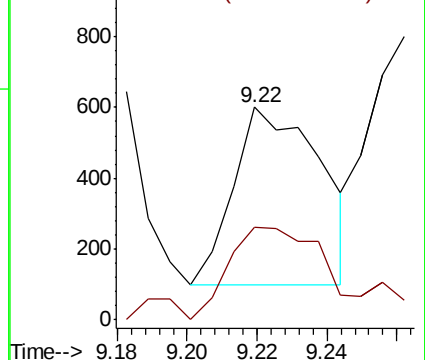
43 100

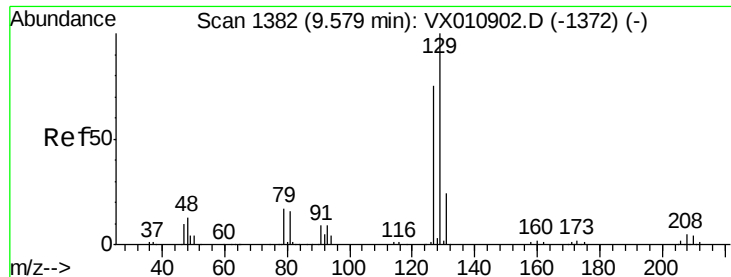
58 64.0 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

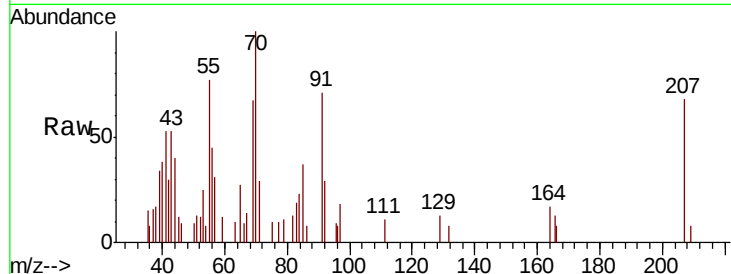




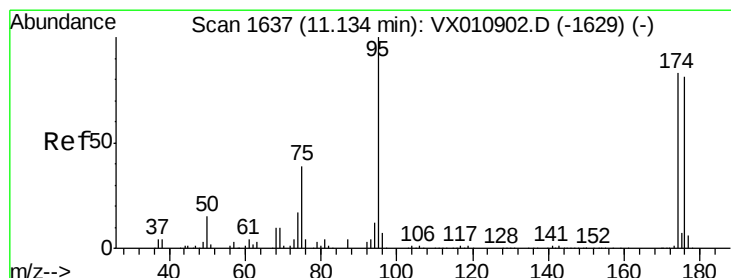
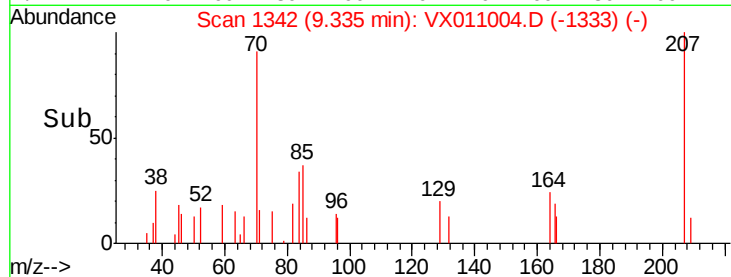
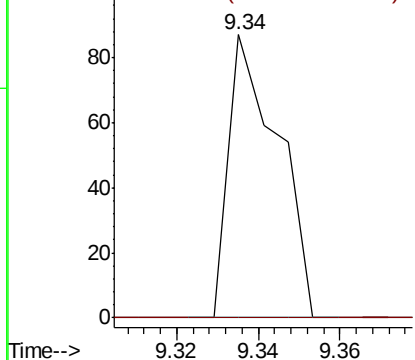
#60
 Dibromochloromethane
 Concen: 2.552 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0619

Tot Ion:129 Resp: 73
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#

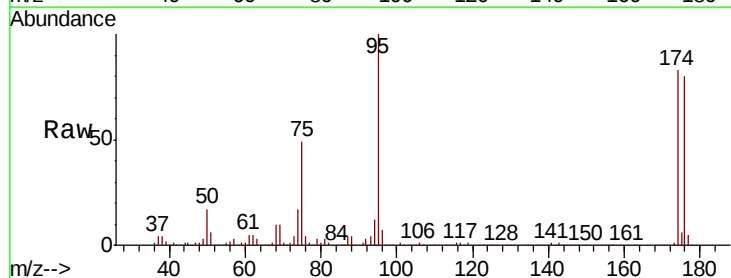


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

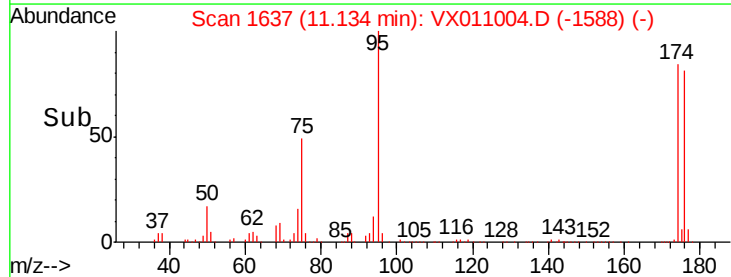
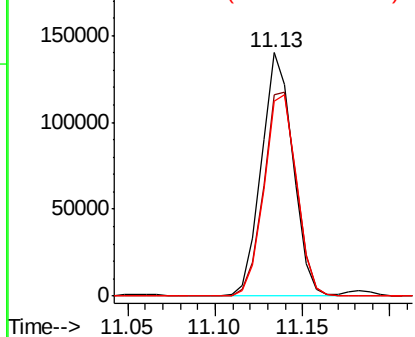


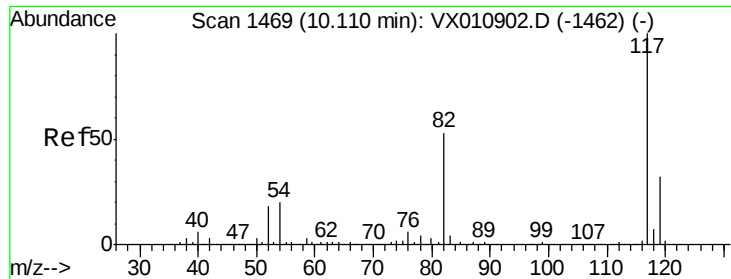
#62
 4-Bromofluorobenzene
 Concen: 54.667 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Tgt Ion: 95 Resp: 175942
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 180.6
 176 85.1 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

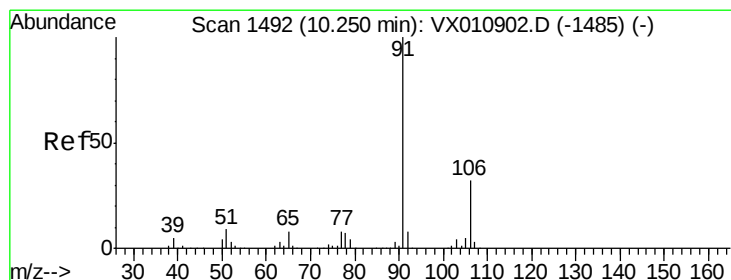
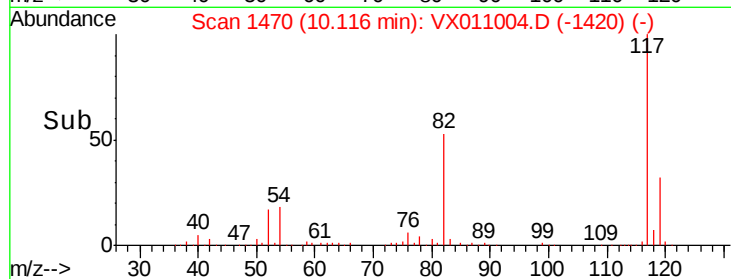
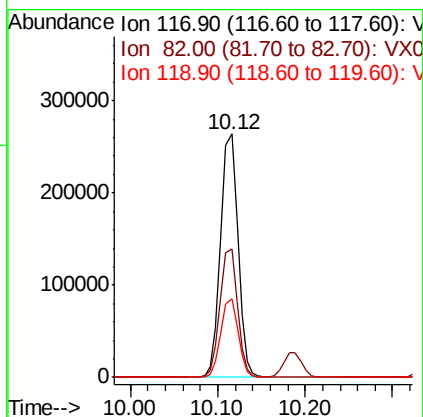
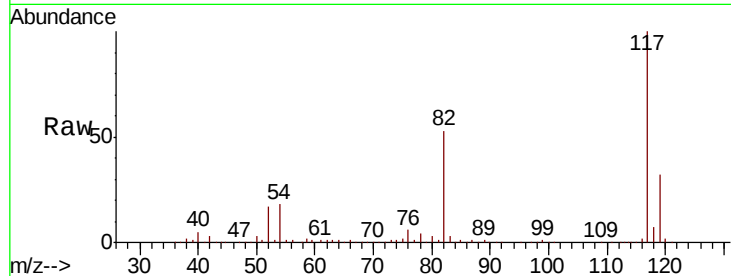




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

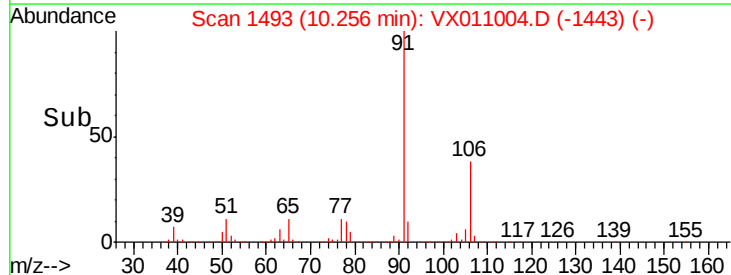
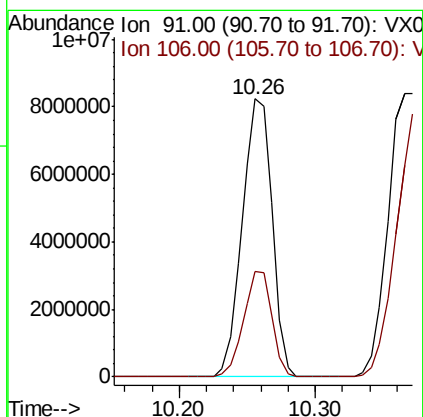
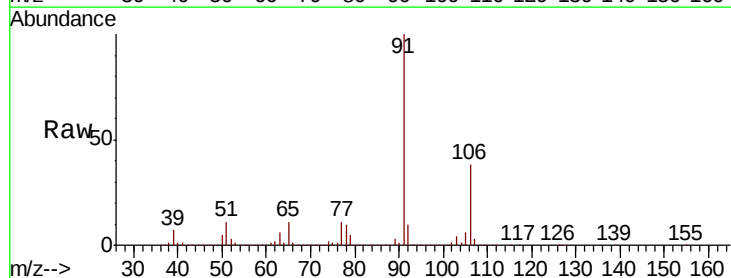
Instrument :
MSVOA_X
ClientSampleId :
FL-0619

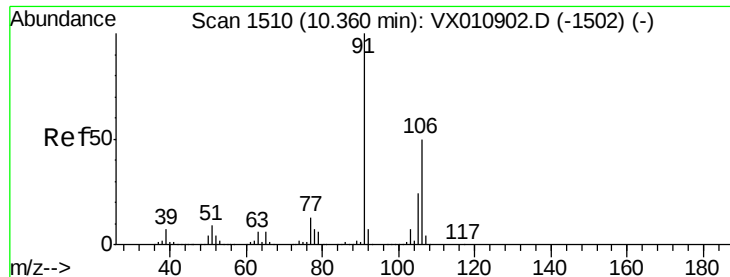
Tot Ion:117 Resp: 364328
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.0 25.9 38.9



#67
Ethyl Benzene
Concen: 993.210 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 91 Resp:12650487
Ion Ratio Lower Upper
91 100
106 38.0 25.4 38.2





#68

m/p-Xylenes

Concen: 3052.872 ug/l

RT: 10.38 min Scan# 1513

Delta R.T. 0.02 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

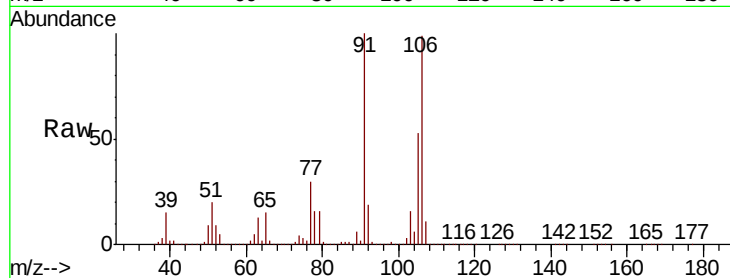
FL-0619

Tot Ion:106 Resp:14915694

Ion Ratio Lower Upper

106 100

91 134.1 160.1 240.1#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

8000000

6000000

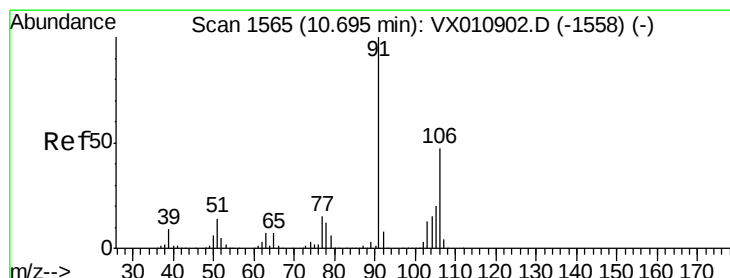
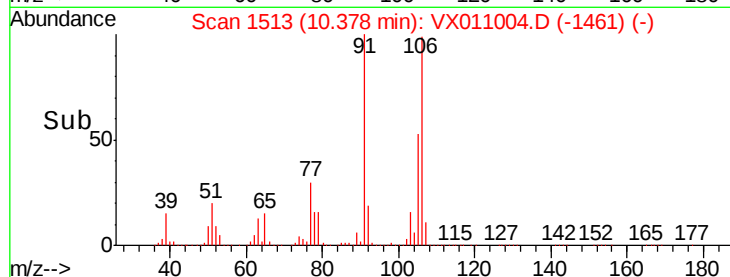
4000000

2000000

0

10.30 10.40 10.50

Time-->



#69

o-Xylene

Concen: 1635.318 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VX011004.D

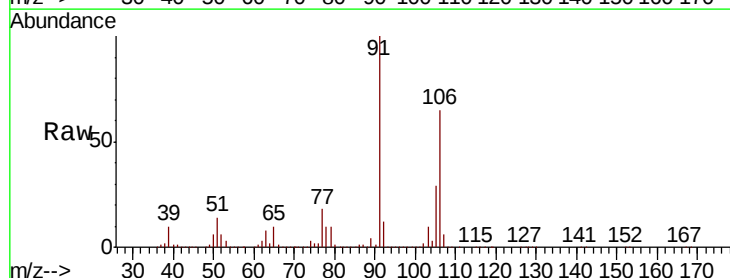
Acq: 19 Jul 2019 15:51

Tgt Ion:106 Resp: 7797672

Ion Ratio Lower Upper

106 100

91 180.1 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

8000000

6000000

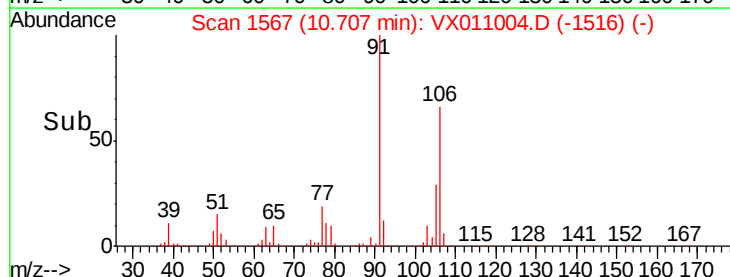
4000000

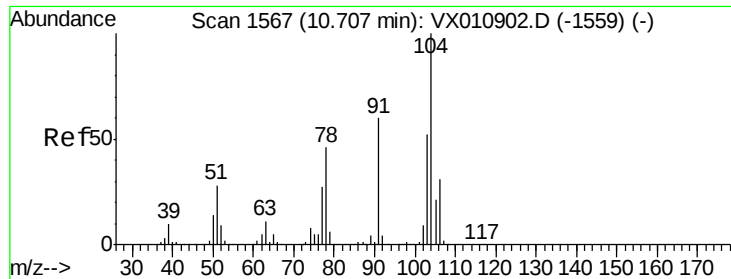
2000000

0

10.60 10.70 10.80

Time-->

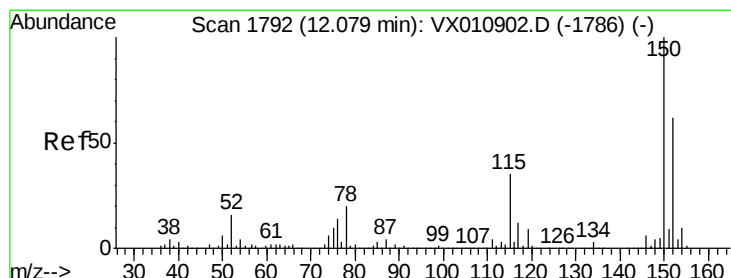
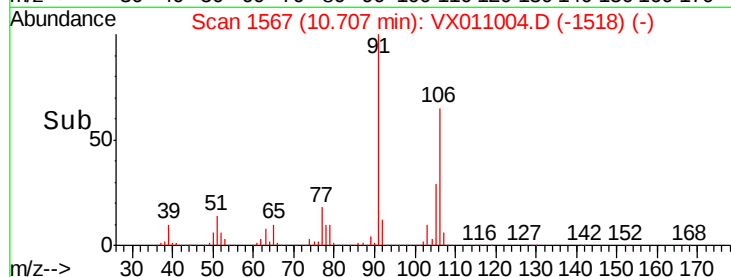
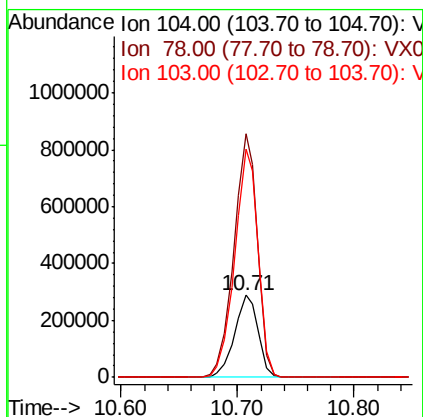
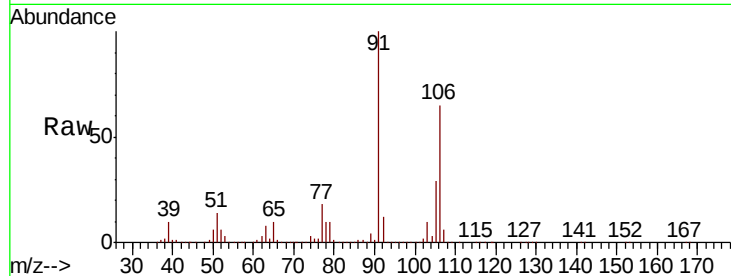




#70
Stvrene
Concen: 50.872 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

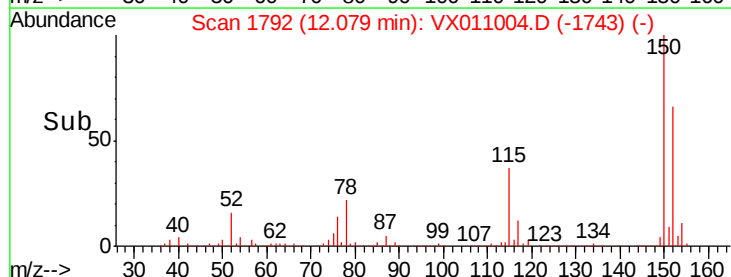
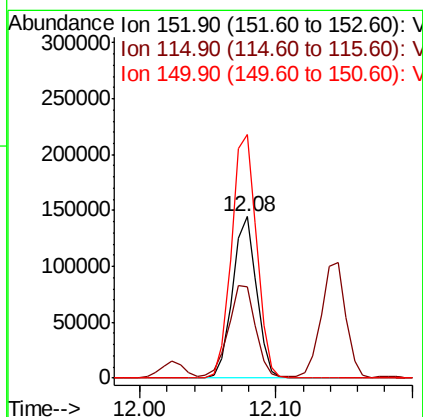
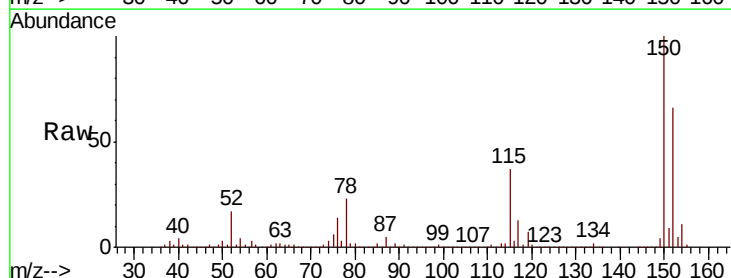
Instrument :
MSVOA_X
ClientSampled :
FL-0619

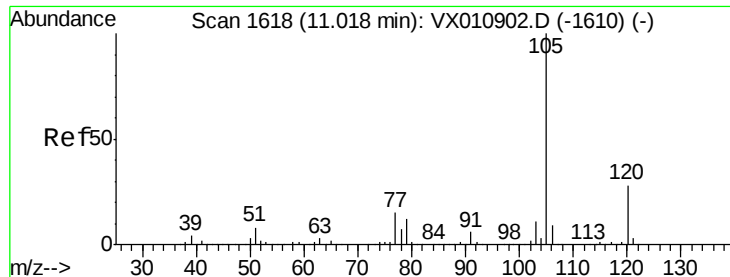
Tot Ion:104 Resp: 404365
Ion Ratio Lower Upper
104 100
78 295.1 38.8 58.2#
103 276.2 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion:152 Resp: 177793
Ion Ratio Lower Upper
152 100
115 64.3 39.7 119.1
150 156.7 0.0 345.6





#73

Isopropylbenzene

Concen: 100.496 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

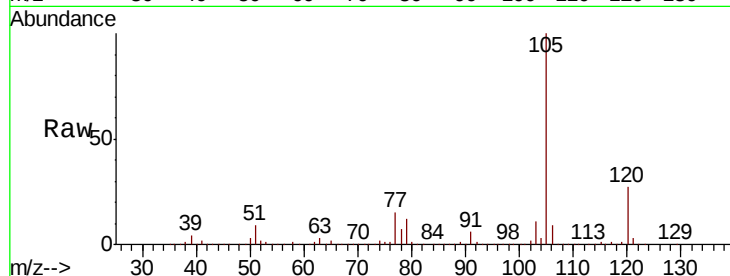
FL-0619

Tot Ion:105 Resp: 1207301

Ion Ratio Lower Upper

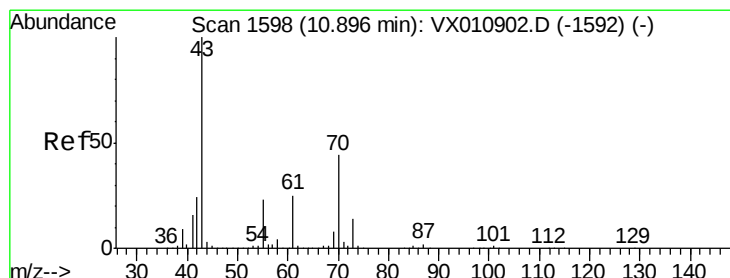
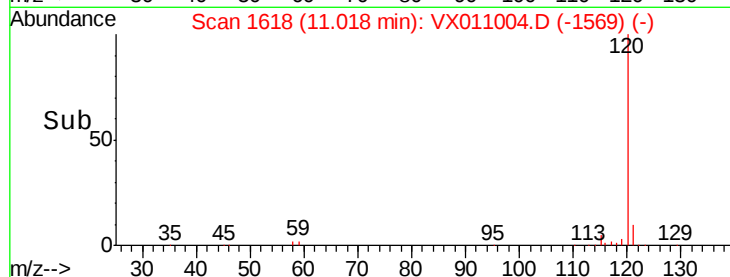
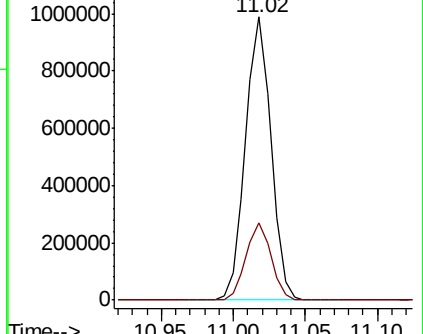
105 100

120 27.0 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.248 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp: 1139

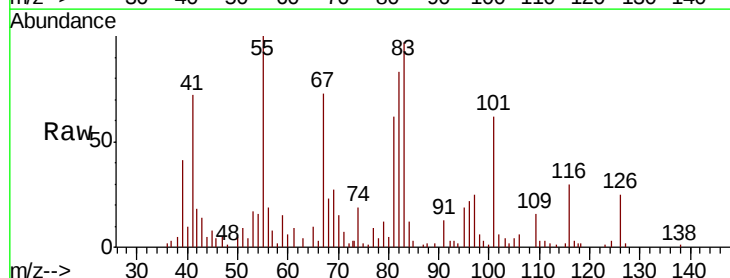
Ion Ratio Lower Upper

43 100

70 103.2 34.7 52.1#

55 799.5 19.1 28.7#

61 0.0 19.9 29.9#

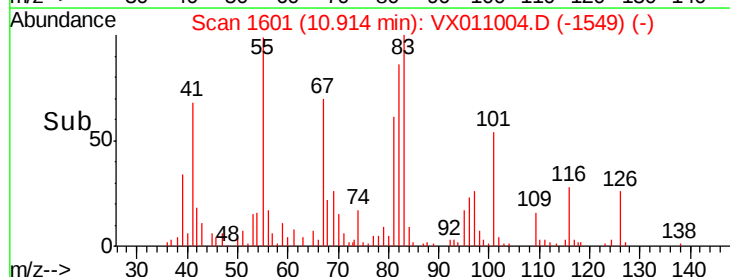
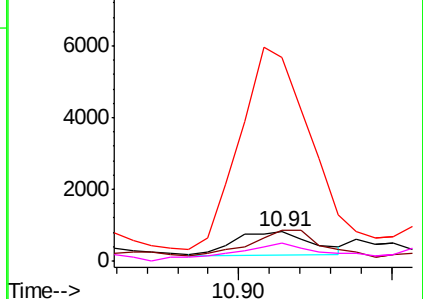


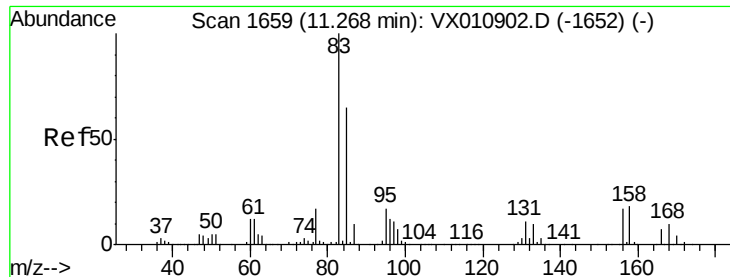
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.302 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

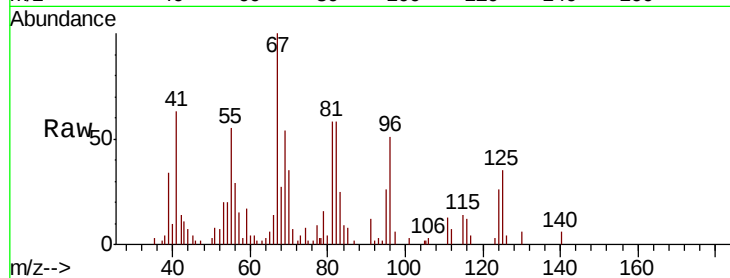
Tot Ion: 83 Resp: 1188

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

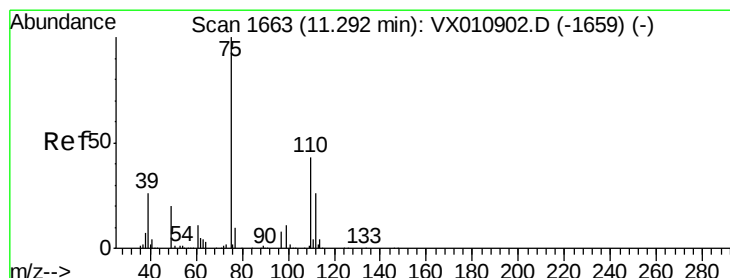
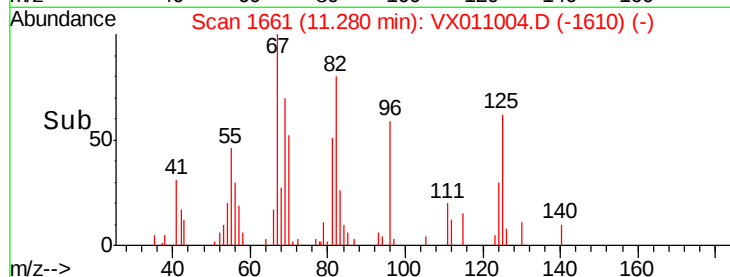
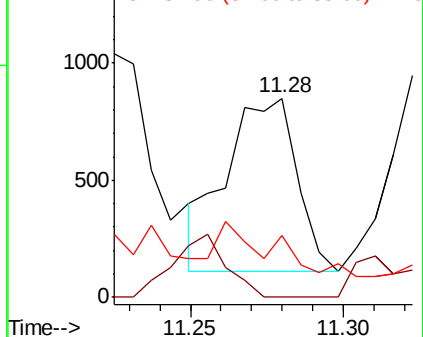
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 3.085 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011004.D

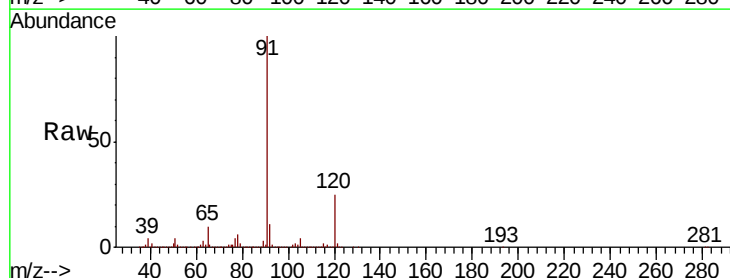
Acq: 19 Jul 2019 15:51

Tgt Ion: 75 Resp: 9898

Ion Ratio Lower Upper

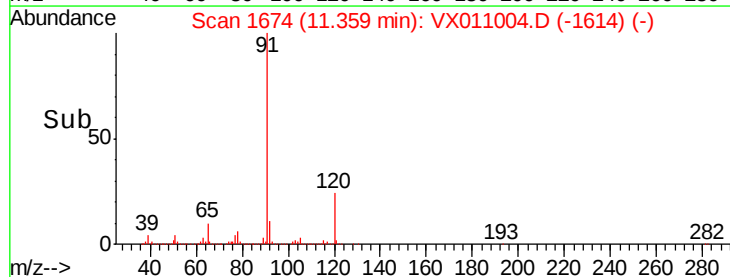
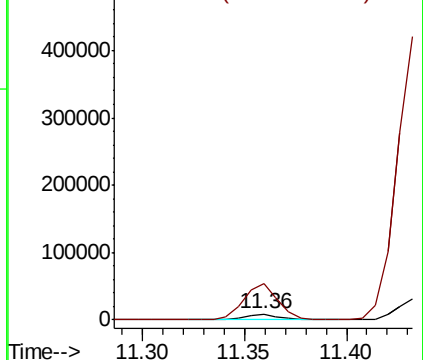
75 100

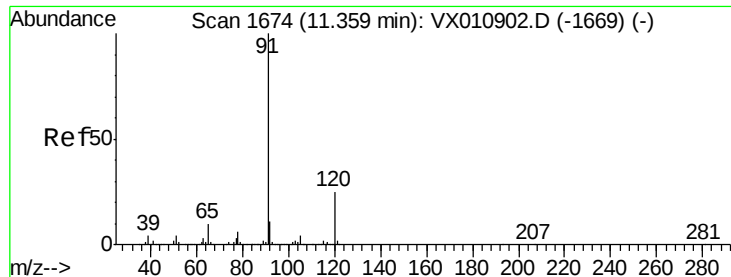
77 633.2 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 119.222 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

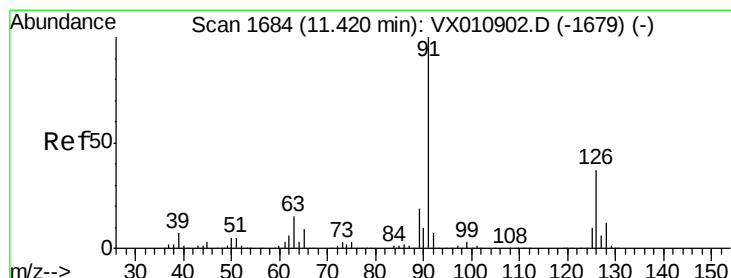
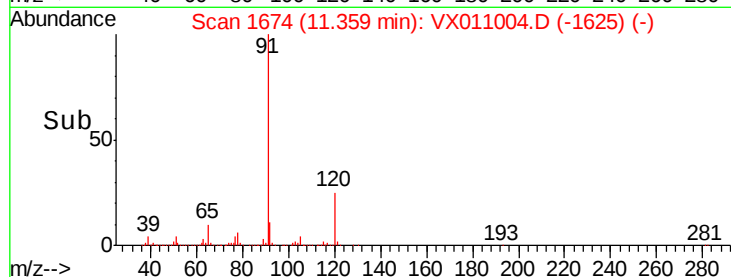
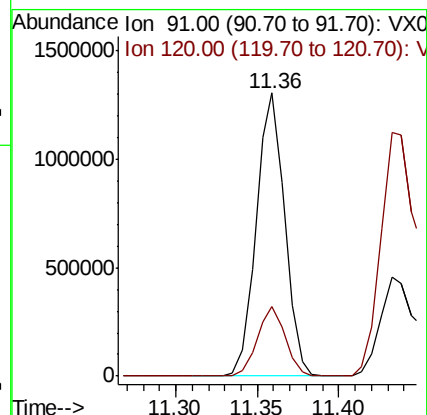
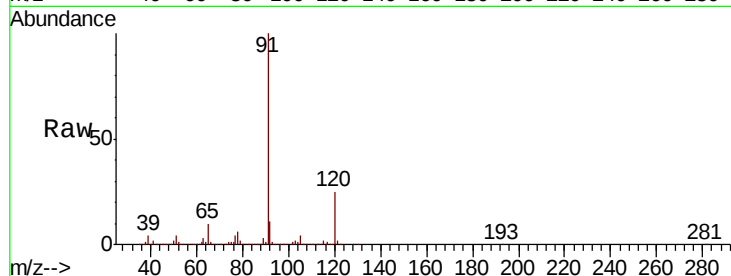
FL-0619

Tot Ion: 91 Resp: 1582538

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8



#79

2-Chlorotoluene

Concen: 100.676 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011004.D

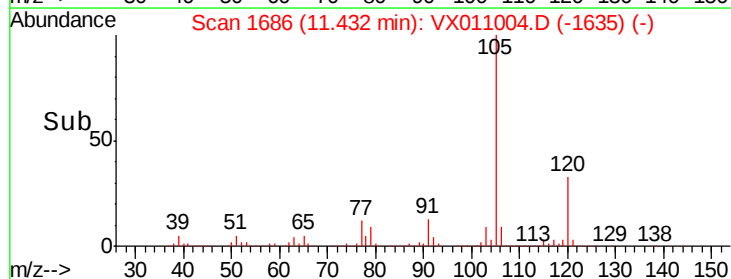
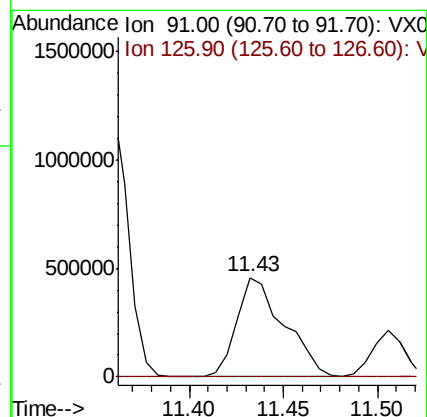
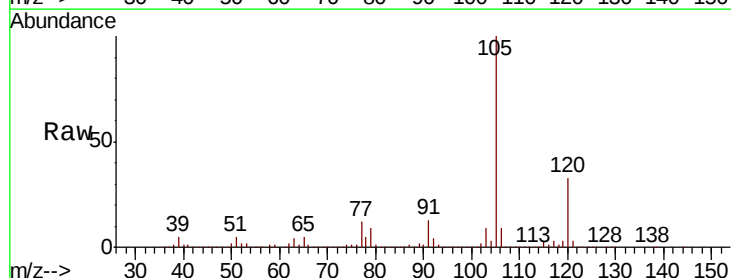
Acq: 19 Jul 2019 15:51

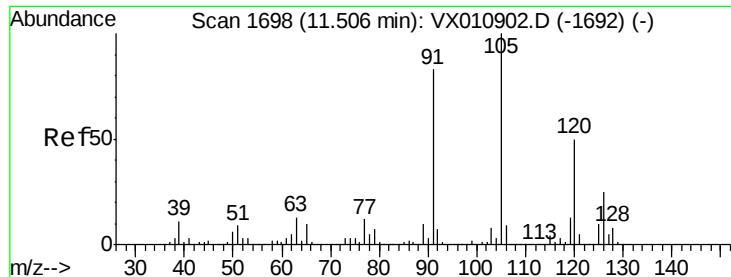
Tgt Ion: 91 Resp: 802780

Ion Ratio Lower Upper

91 100

126 0.1 18.0 54.0#





#80

1,3,5-Trimethylbenzene

Concen: 235.746 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

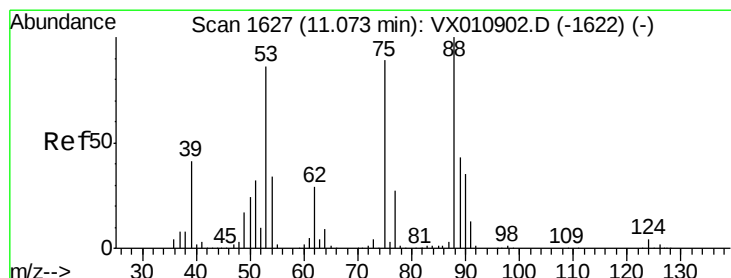
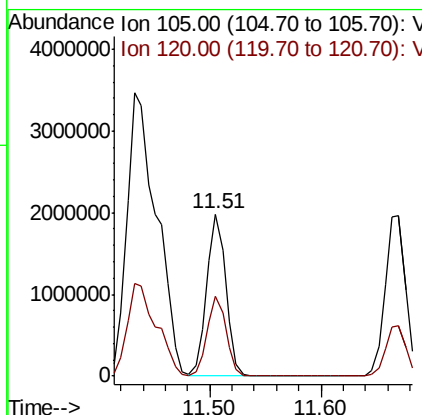
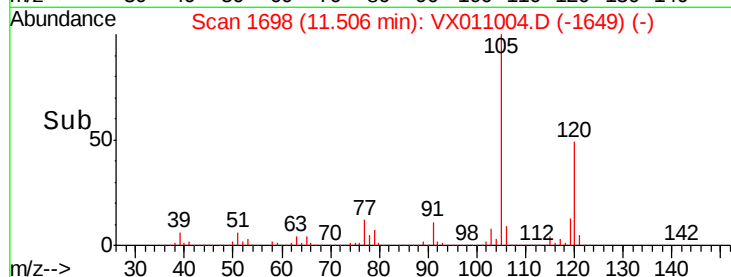
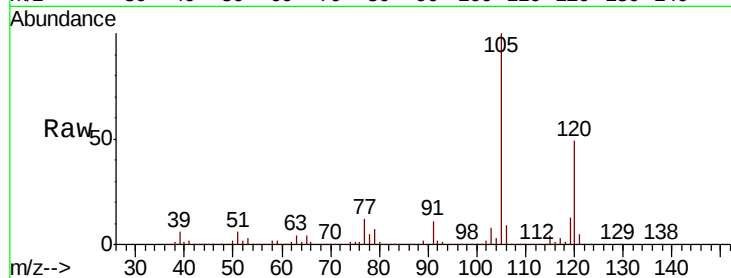
FL-0619

Tot Ion:105 Resp: 2366518

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 14.308 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

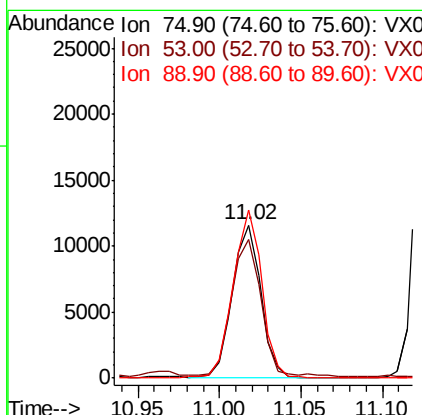
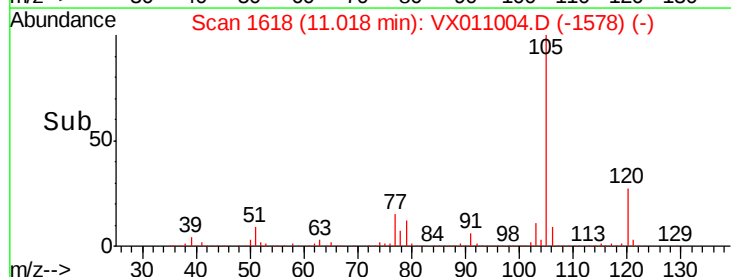
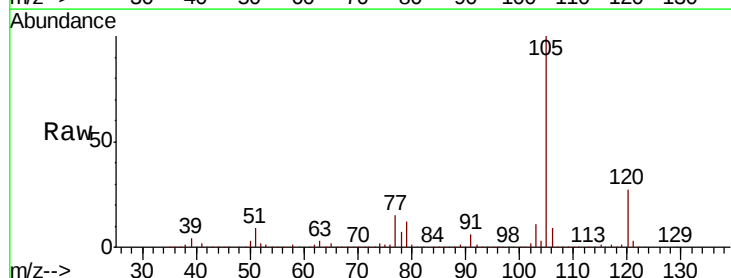
Tgt Ion: 75 Resp: 14210

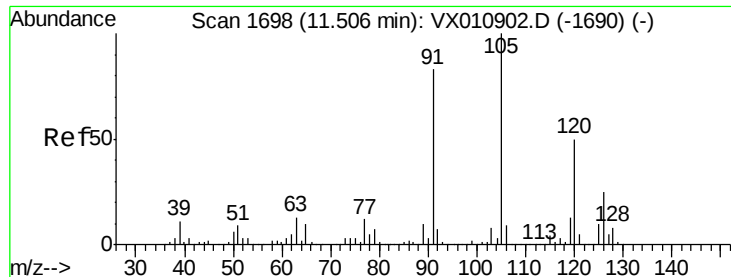
Ion Ratio Lower Upper

75 100

53 89.5 76.7 115.1

89 110.3 38.5 57.7#

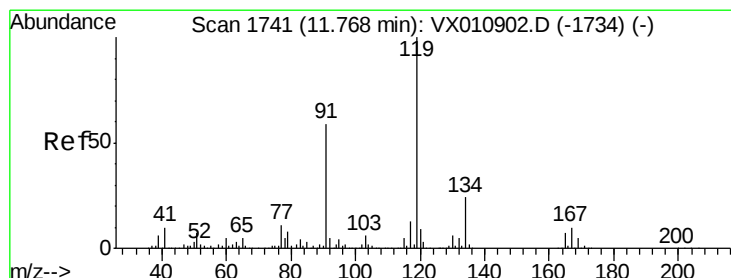
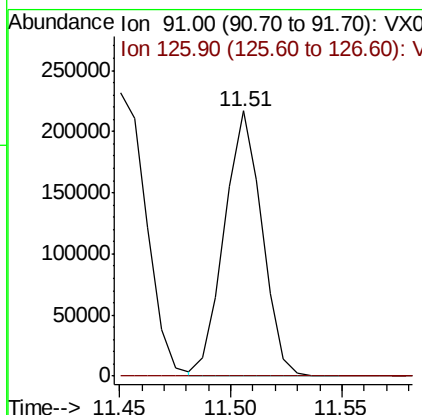
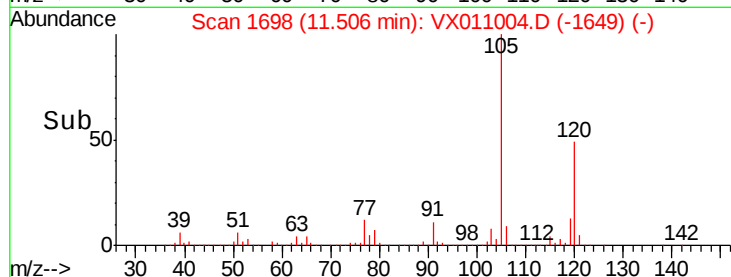
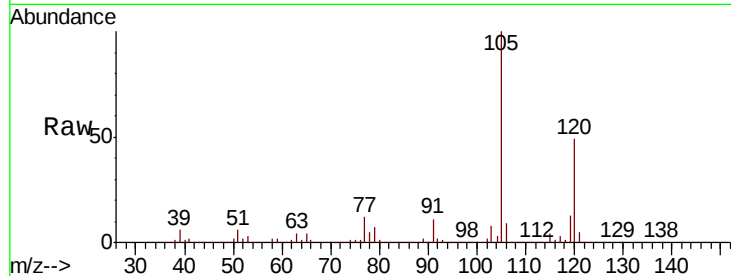




#82
4-Chlorotoluene
Concen: 27.332 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

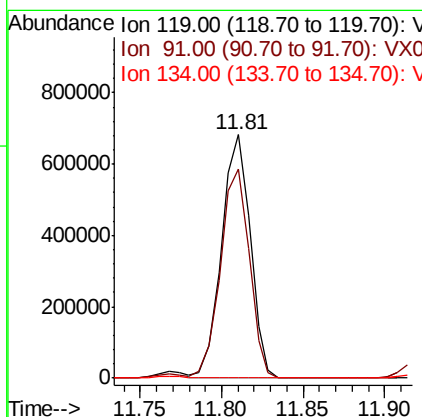
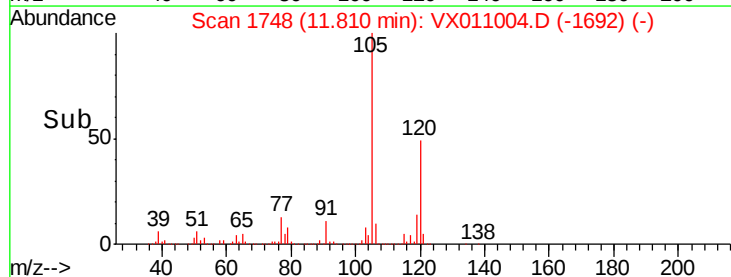
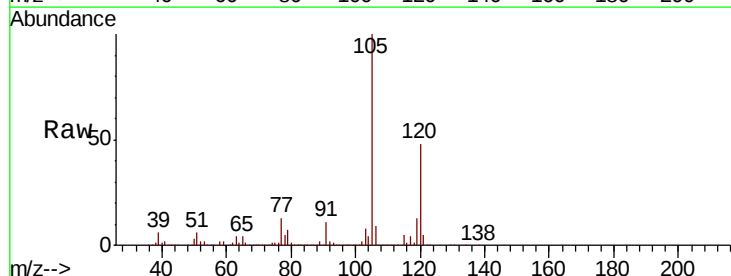
Instrument :
MSVOA_X
ClientSampled :
FL-0619

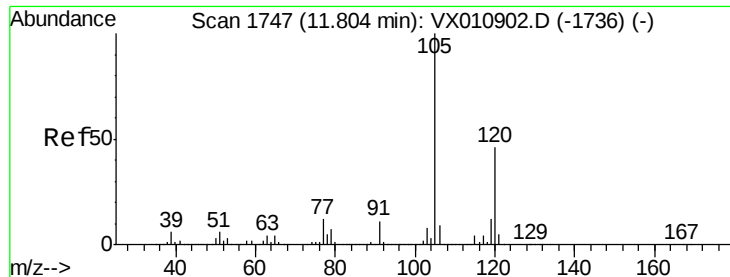
Tot Ion: 91 Resp: 253666
Ion Ratio Lower Upper
91 100
126 0.1 15.9 47.7#



#83
tert-Butylbenzene
Concen: 84.753 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 119 Resp: 835691
Ion Ratio Lower Upper
119 100
91 86.3 28.6 85.8#
134 0.0 11.6 34.8#





#84

1,2,4-Trimethylbenzene

Concen: 645.978 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

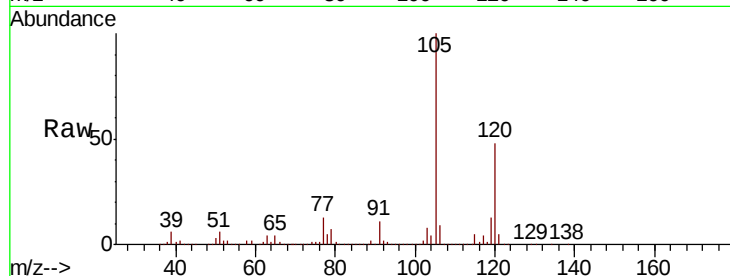
FL-0619

Tot Ion:105 Resp: 6535845

Ion Ratio Lower Upper

105 100

120 47.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

6000000 Ion 120.00 (119.70 to 120.70): V

5000000

4000000

3000000

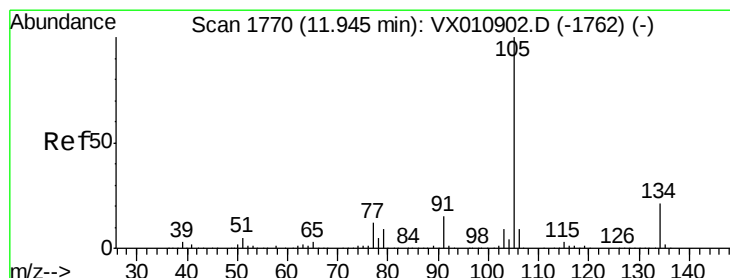
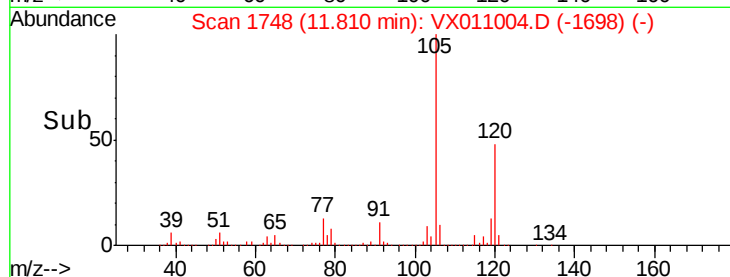
2000000

1000000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 565.695 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX011004.D

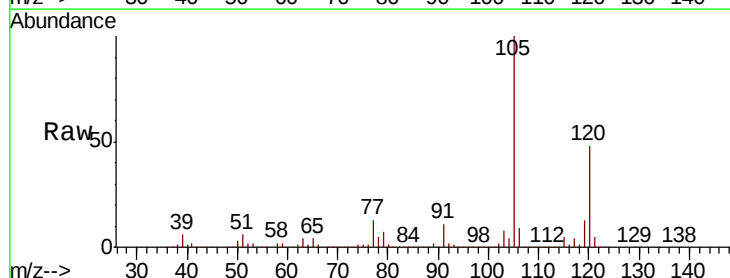
Acq: 19 Jul 2019 15:51

Tgt Ion:105 Resp: 6535845

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

6000000 Ion 134.00 (133.70 to 134.70): V

5000000

4000000

3000000

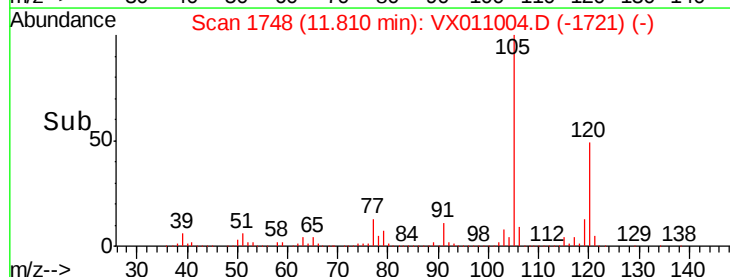
2000000

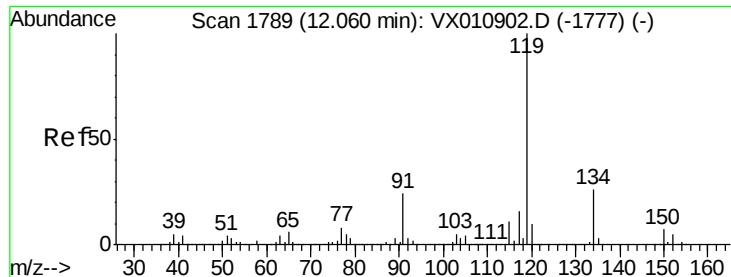
1000000

0

11.70 11.80 11.90

Time-->





#86

p-Isopropyltoluene

Concen: 12.427 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

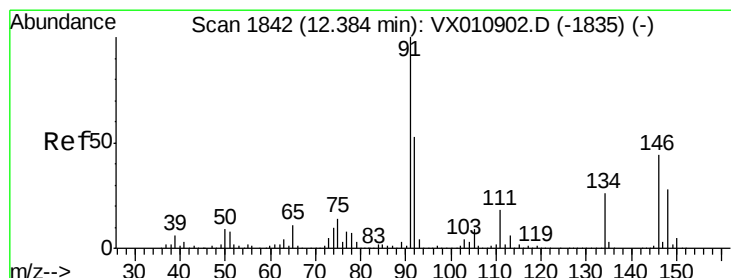
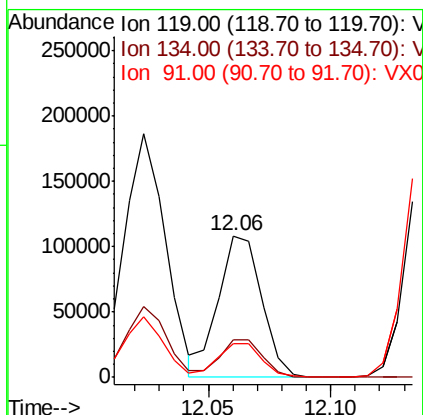
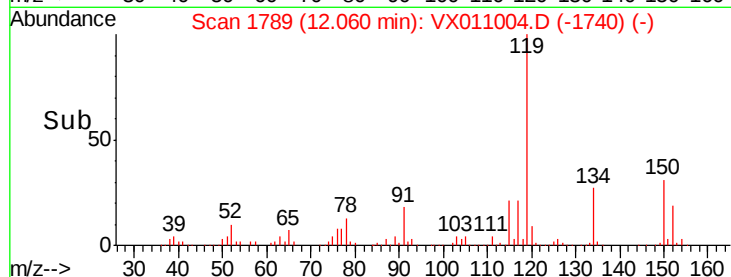
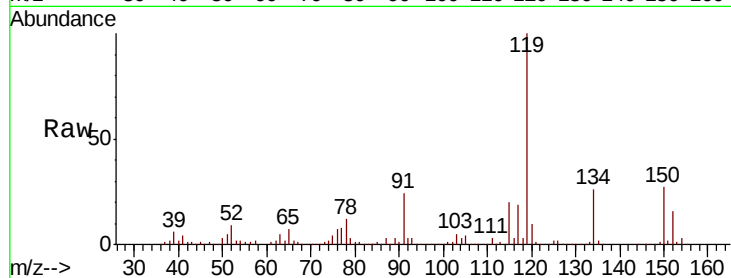
Tot Ion:119 Resp: 132738

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.3 11.8 35.4



#89

n-Butylbenzene

Concen: 19.254 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

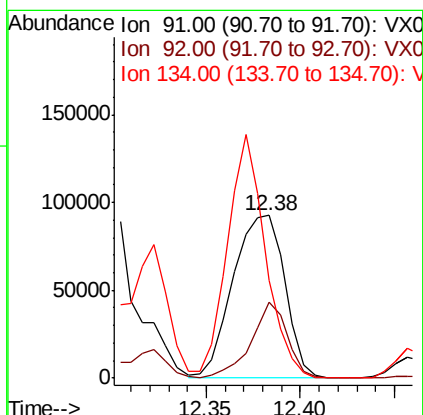
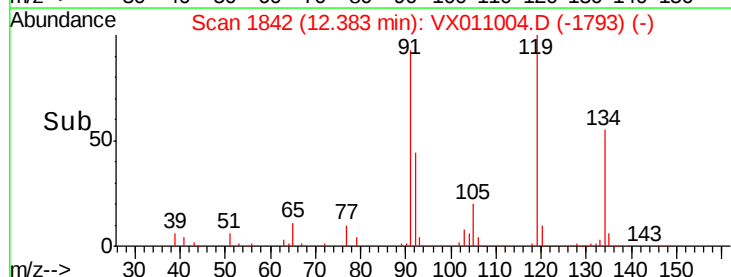
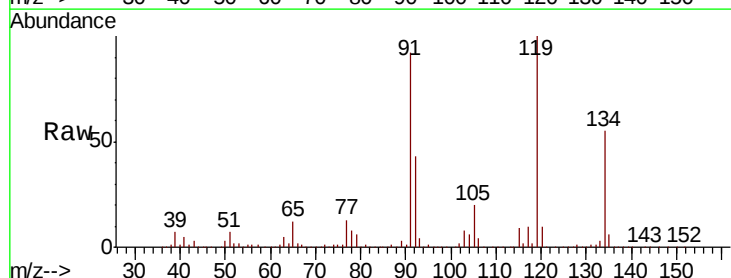
Tgt Ion: 91 Resp: 175944

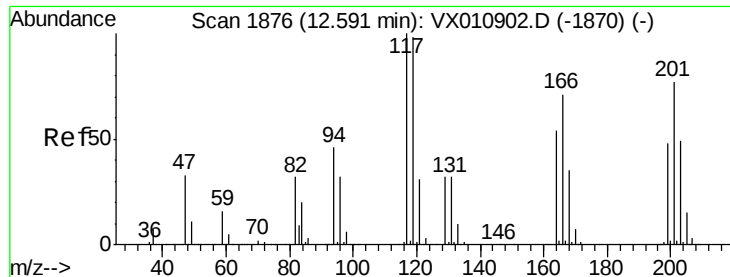
Ion Ratio Lower Upper

91 100

92 32.5 26.2 78.5

134 108.9 13.8 41.3#





#90

Hexachloroethane

Concen: 15.849 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

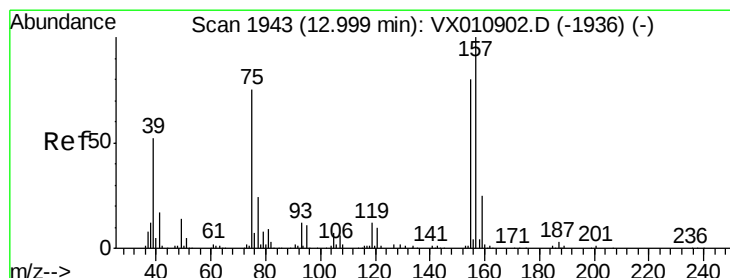
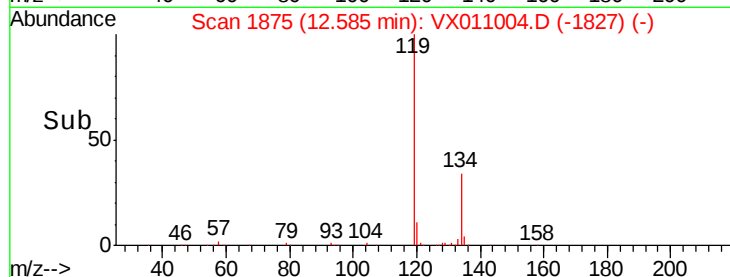
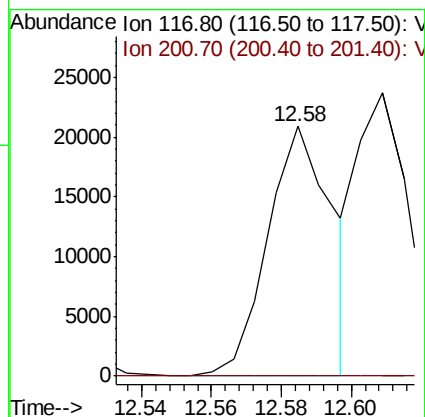
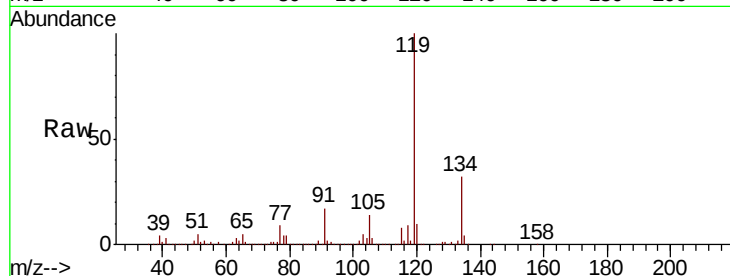
FL-0619

Tot Ion:117 Resp: 26701

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.524 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

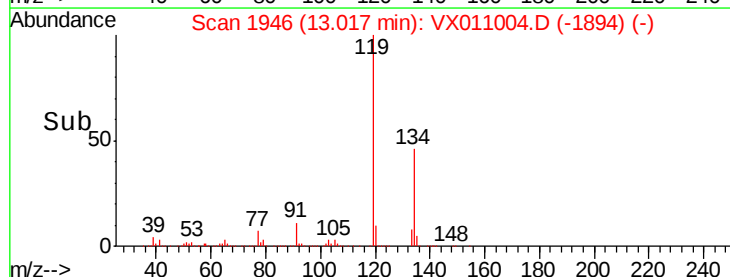
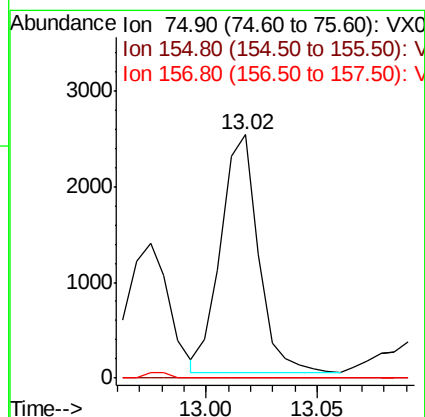
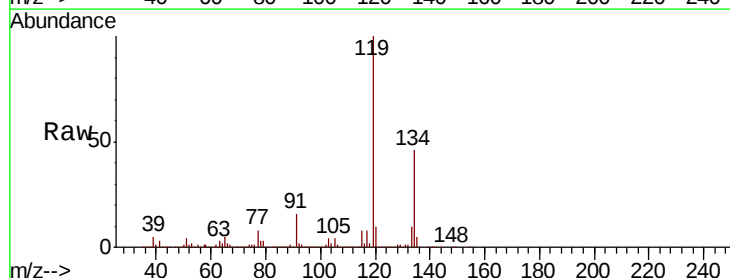
Tgt Ion: 75 Resp: 2896

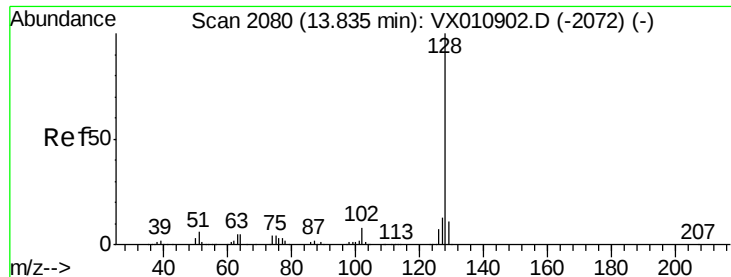
Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 62.5 187.6#

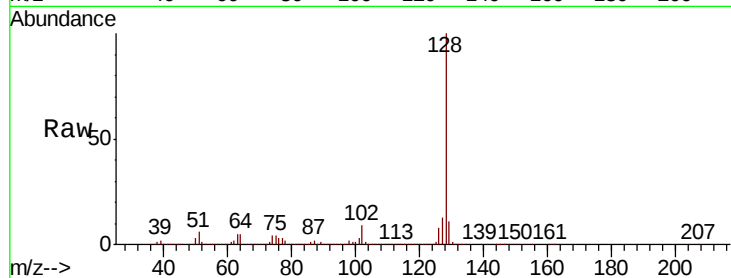




#95
Naphthalene
Concen: 270.334 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0619

Tot Ion:128 Resp: 3083376
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

