

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010968.D
 Acq On : 18 Jul 2019 18:52
 Operator : JC/SP
 Sample : K3884-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:36:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	242778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	133964	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	5.50	113	118079	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	467804	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	187870	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	24	0.556	ug/l #	43
3) Chloromethane	1.32	50	808	0.362	ug/l #	57
5) Bromomethane	1.67	94	500	0.390	ug/l	96
6) Chloroethane	1.95	64	735	0.508	ug/l #	41
11) Tert butyl alcohol	3.03	59	2578	4.286	ug/l #	73
13) Acrolein	2.40	56	30915	88.956	ug/l #	80
14) Allyl chloride	2.85	41	90797	28.906	ug/l #	63
15) Acrylonitrile	3.17	53	32209	26.499	ug/l #	37
16) Acetone	2.40	43	81768	70.096	ug/l #	51
18) Methyl Acetate	2.85	43	229262	86.313	ug/l #	48
20) Methylene Chloride	2.84	84	571	0.231	ug/l #	1
25) 2-Butanone	4.57	43	7186	4.291	ug/l #	46
26) 2,2-Dichloropropane	4.40	77	14118	4.469	ug/l #	50
29) Tetrahydrofuran	5.15	42	248	0.234	ug/l #	29
31) Cyclohexane	5.59	56	1198130	341.656	ug/l	98
36) 1,1-Dichloropropene	5.66	75	16684	5.305	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22196	6.773	ug/l #	18
39) Methylcyclohexane	7.46	83	1093736	268.162	ug/l	97
41) Methacrylonitrile	5.06	41	541	0.296	ug/l #	21
43) Isopropyl Acetate	6.46	43	15008	2.834	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	10520	4.290	ug/l #	1
47) Bromodichloromethane	7.85	83	1998	0.641	ug/l #	1
48) Methyl methacrylate	7.73	41	46372	17.976	ug/l #	54
51) 4-Methyl-2-Pentanone	8.66	43	8382	2.442	ug/l #	41
52) Toluene	8.78	92	5536	0.875	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	48374	18.563	ug/l #	18
56) Ethyl methacrylate	9.16	69	10434	2.737	ug/l #	1
67) Ethyl Benzene	10.26	91	7124781	557.850	ug/l	96
68) m/p-Xylenes	10.37	106	8075116	1648.261	ug/l	84
69) o-Xylene	10.70	106	3760266	786.444	ug/l	97
70) Styrene	10.70	104	188699	23.675	ug/l #	1
73) Isopropylbenzene	11.02	105	689455	52.501	ug/l	99
74) N-amyl acetate	10.91	43	1013	0.202	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	993	0.231	ug/l #	26

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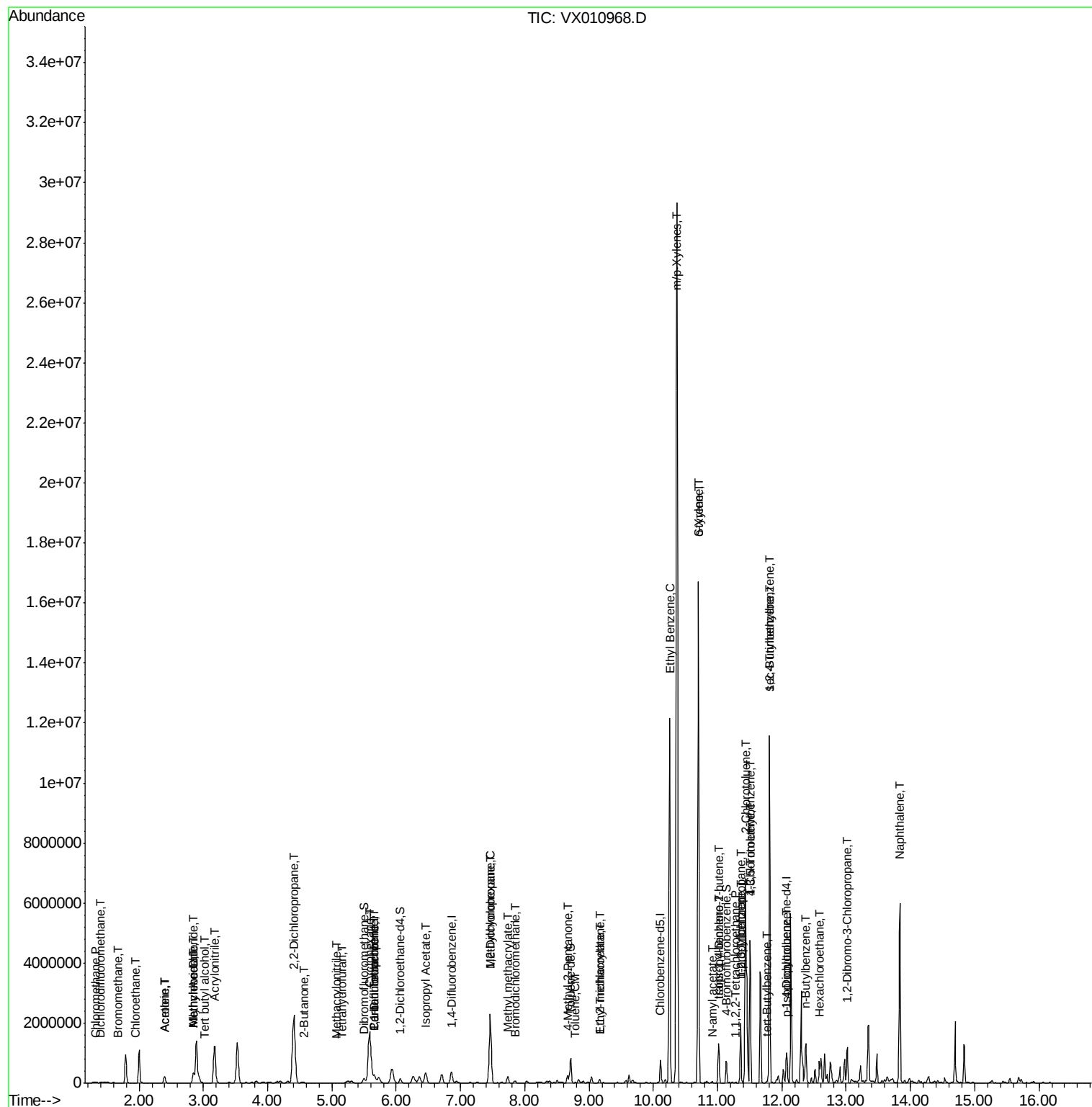
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	11.36	75	7661	2.184	ug/l	#	1
78) n-propylbenzene	11.36	91	1186118	81.744	ug/l		99
79) 2-Chlorotoluene	11.43	91	609930	69.974	ug/l	#	39
80) 1,3,5-Trimethylbenzene	11.51	105	1986995	181.074	ug/l		99
81) trans-1,4-Dichloro-2-buten	11.02	75	7982	9.287	ug/l	#	70
82) 4-Chlorotoluene	11.51	91	215925	21.284	ug/l	#	43
83) tert-Butylbenzene	11.77	119	23285	2.160	ug/l	#	43
84) 1,2,4-Trimethylbenzene	11.81	105	5089470	460.166	ug/l		98
85) sec-Butylbenzene	11.81	105	5089470	402.976	ug/l	#	55
86) p-Isopropyltoluene	12.06	119	124079	10.627	ug/l		98
89) n-Butylbenzene	12.38	91	204188	20.441	ug/l	#	30
90) Hexachloroethane	12.58	117	30630	16.632	ug/l	#	6
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3524	3.923	ug/l	#	1
95) Naphthalene	13.83	128	3601787	288.880	ug/l		99

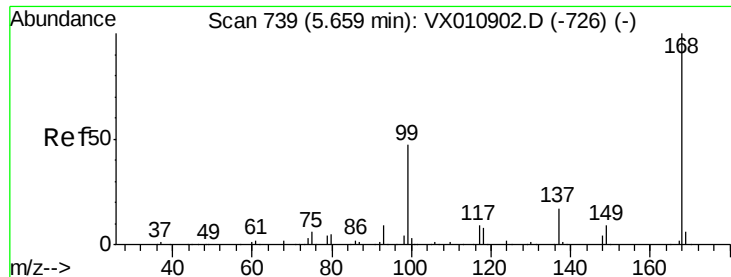
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

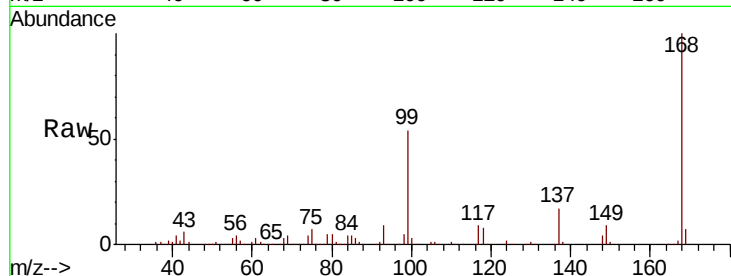
ClientSampleId :

Tot Ion:168 Resp: 242778

Ion Ratio Lower Upper

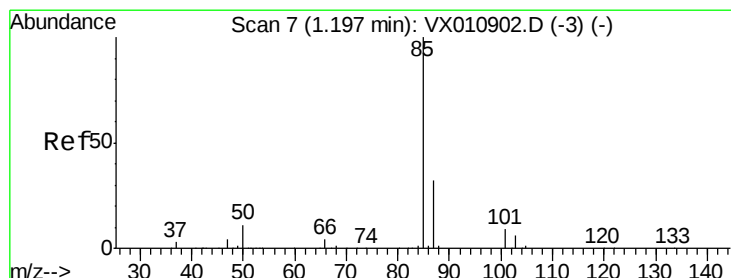
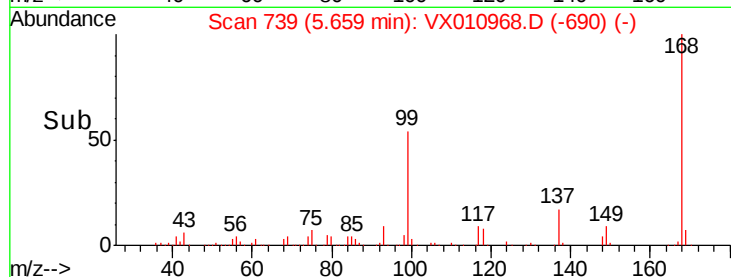
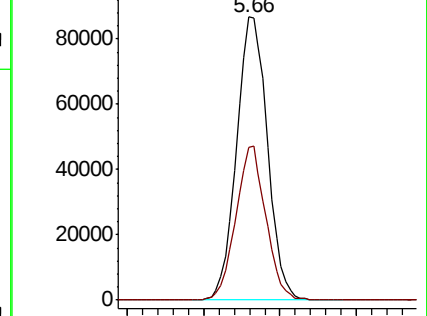
168 100

99 53.6 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: 0.556 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.21 min

Lab File: VX010968.D

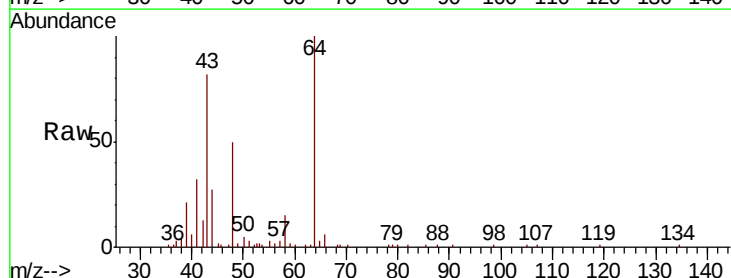
Acq: 18 Jul 2019 18:52

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

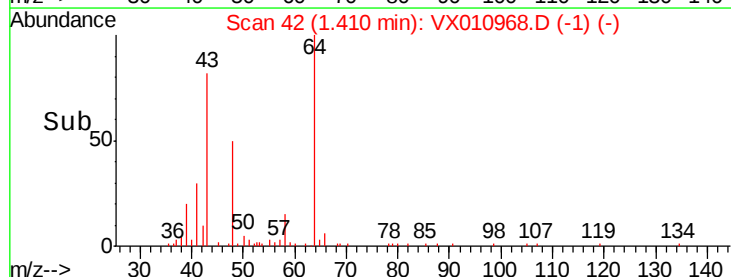
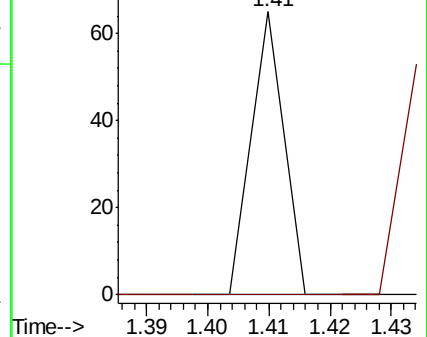
85 100

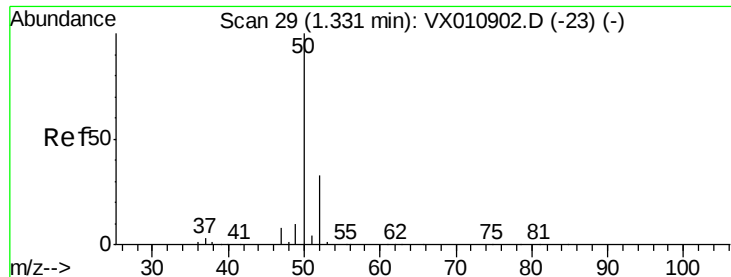
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.362 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

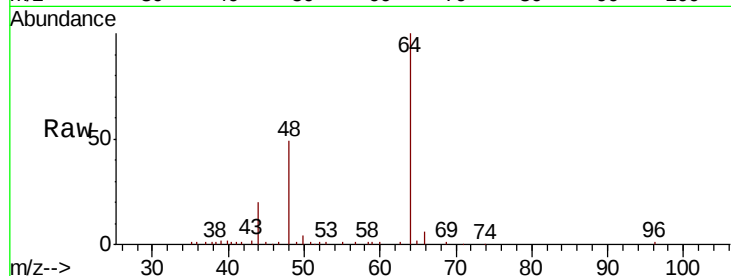
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 808

Ion Ratio Lower Upper

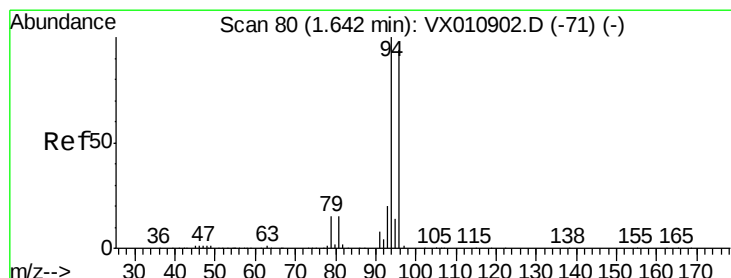
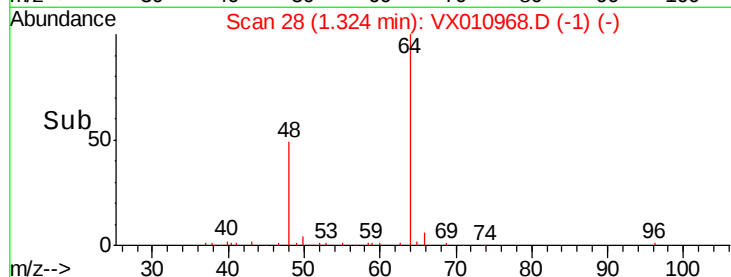
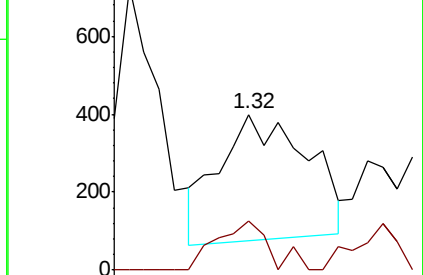
50 100

52 57.1 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.390 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX010968.D

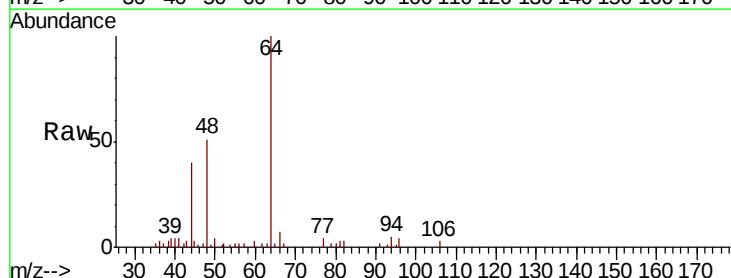
Acq: 18 Jul 2019 18:52

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

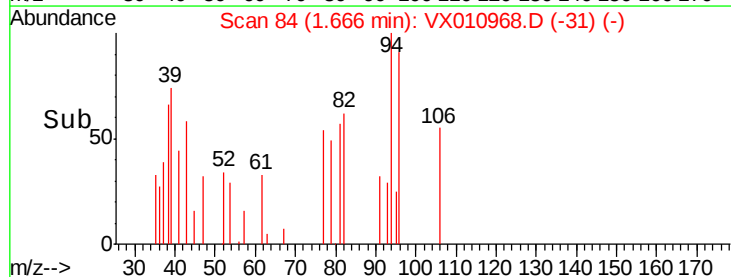
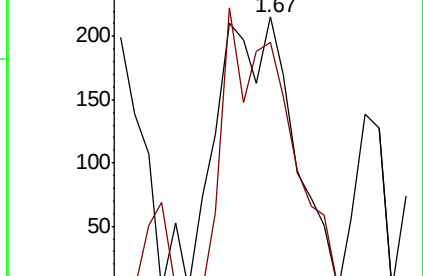
94 100

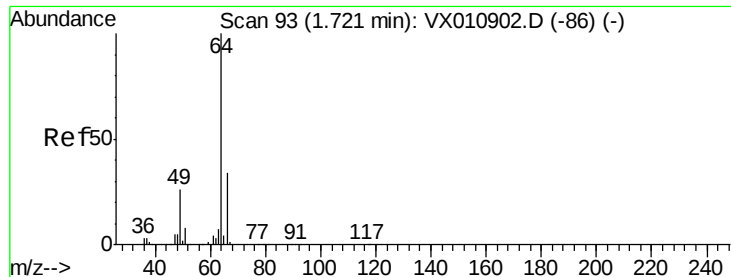
96 90.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.508 ug/l

RT: 1.95 min Scan# 130

Delta R.T. 0.23 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

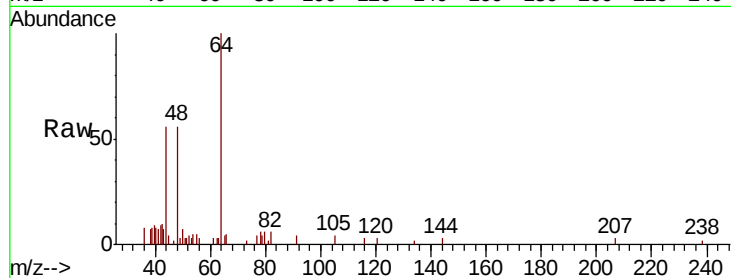
ClientSampleId :

Tot Ion: 64 Resp: 735

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.95

2500

2000

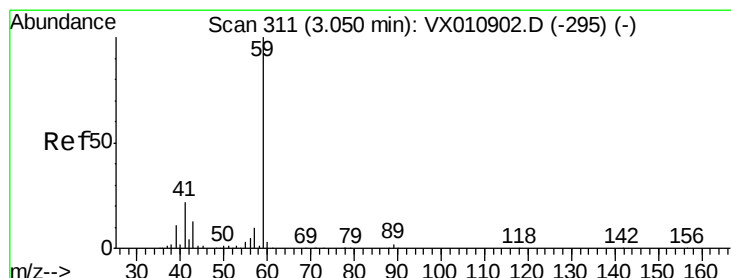
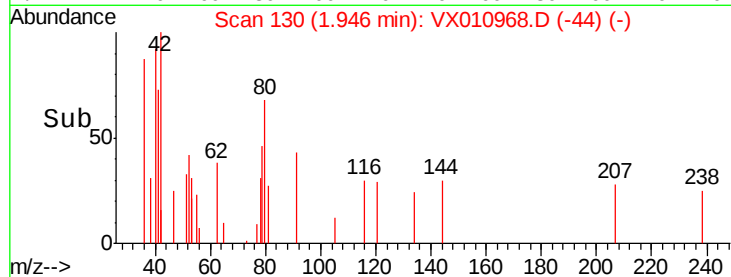
1500

1000

500

0

Time--> 1.90 1.95



#11

Tert butyl alcohol

Concen: 4.286 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010968.D

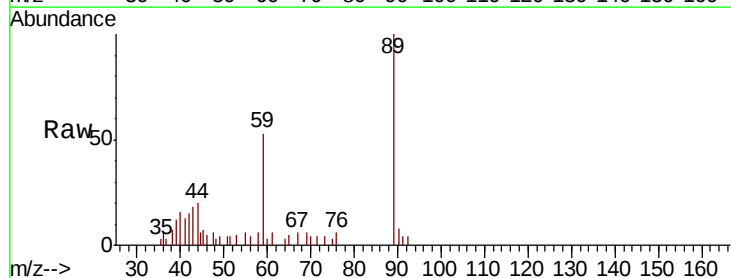
Acq: 18 Jul 2019 18:52

Tgt Ion: 59 Resp: 2578

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

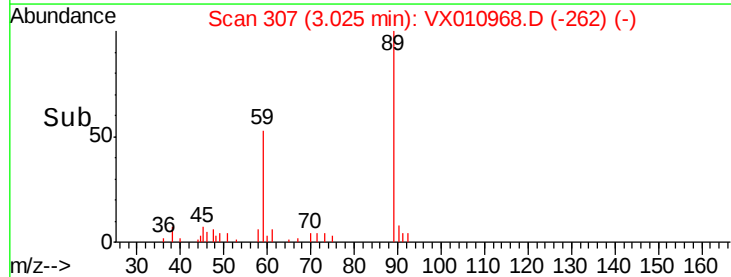
60000

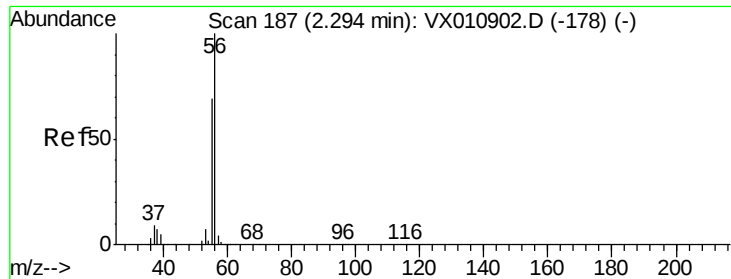
40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 88.956 ug/l

RT: 2.40 min Scan# 204

Delta R.T. 0.10 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

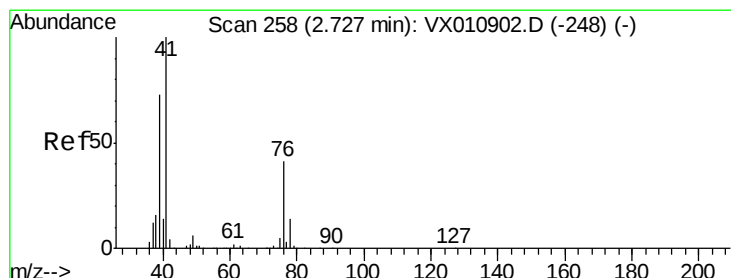
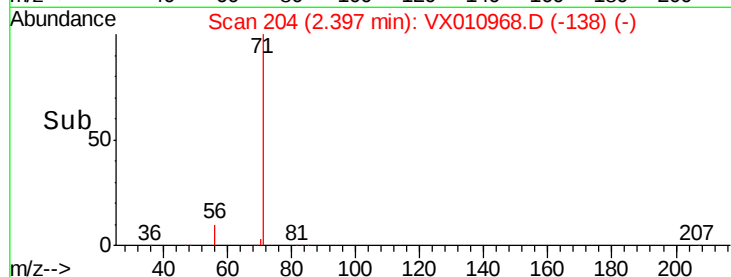
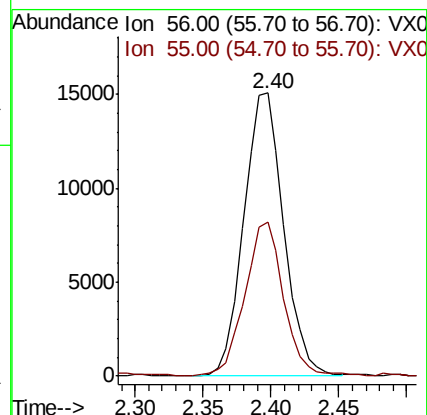
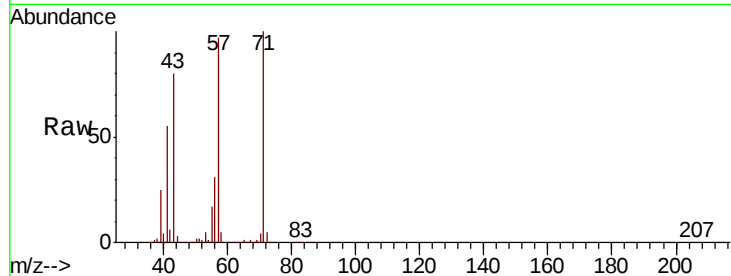
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 30915

Ion Ratio Lower Upper

56 100

55 53.2 55.9 83.9#



#14

Allyl chloride

Concen: 28.906 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

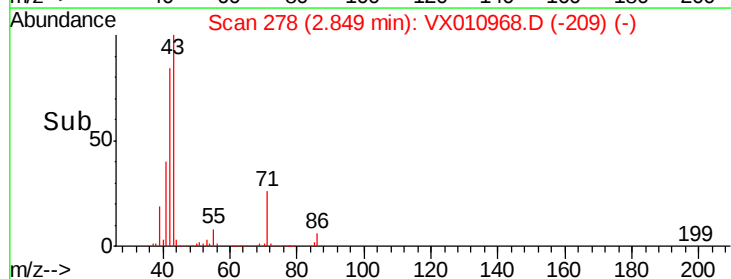
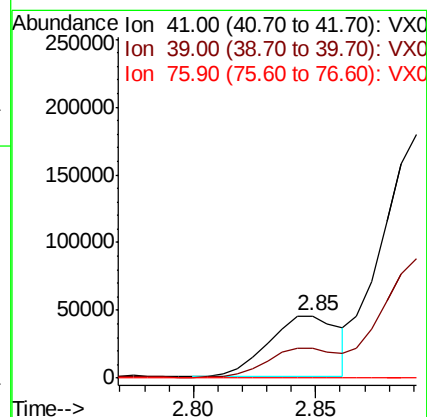
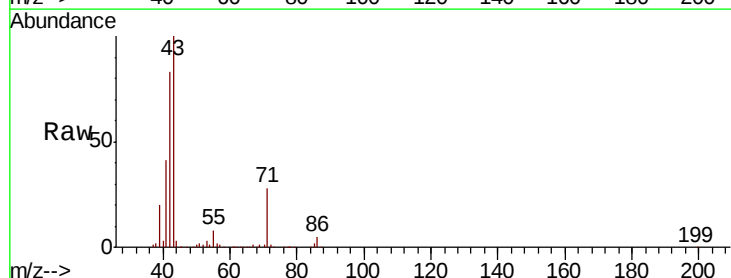
Tgt Ion: 41 Resp: 90797

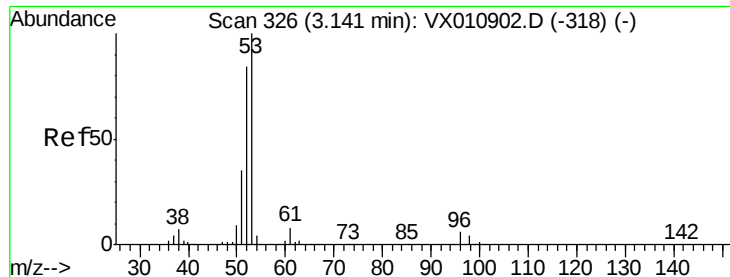
Ion Ratio Lower Upper

41 100

39 48.1 53.6 80.4#

76 0.3 29.7 44.5#





#15

Acrylonitrile

Concen: 26.499 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

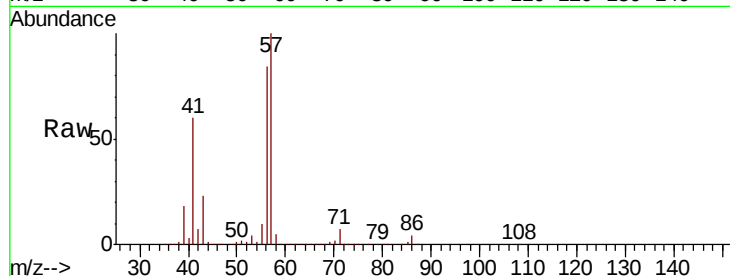
Tot Ion: 53 Resp: 32209

Ion Ratio Lower Upper

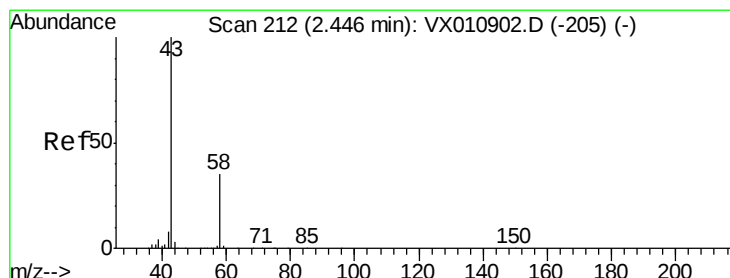
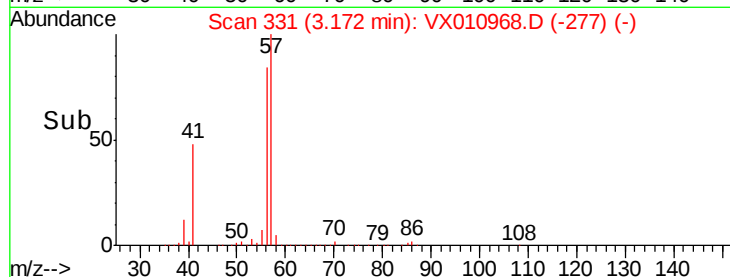
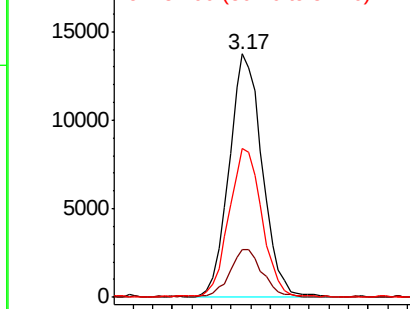
53 100

52 19.5 66.5 99.7#

51 61.5 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: 70.096 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010968.D

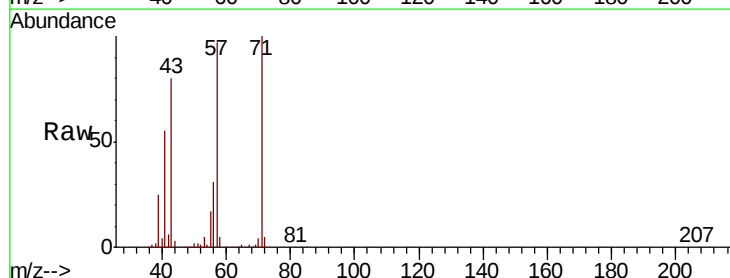
Acq: 18 Jul 2019 18:52

Tgt Ion: 43 Resp: 81768

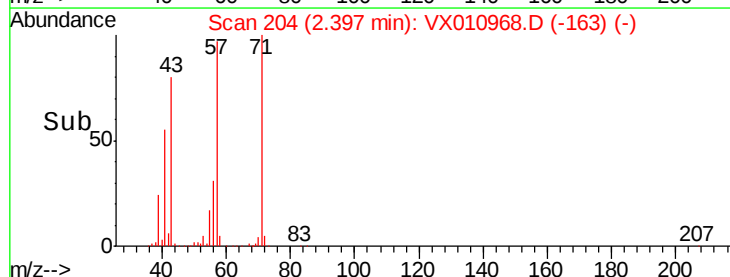
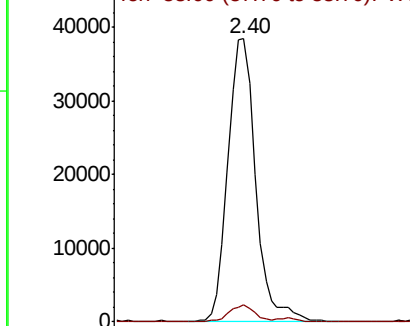
Ion Ratio Lower Upper

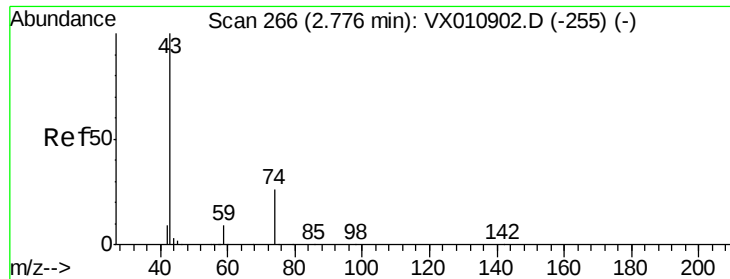
43 100

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

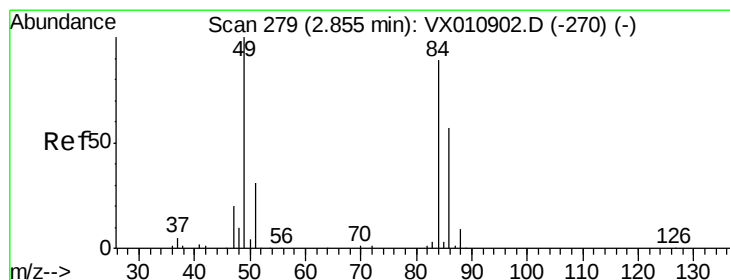
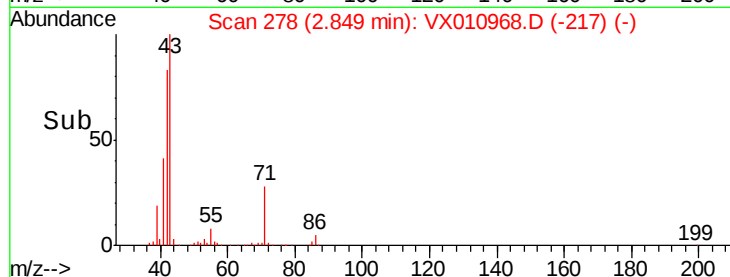
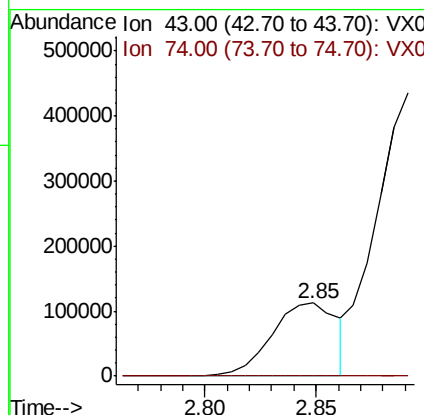
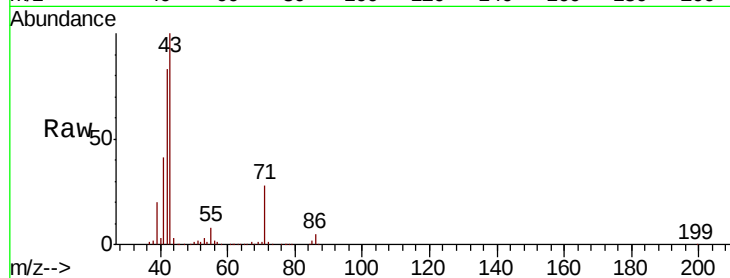




#18
Methyl Acetate
Concen: 86.313 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

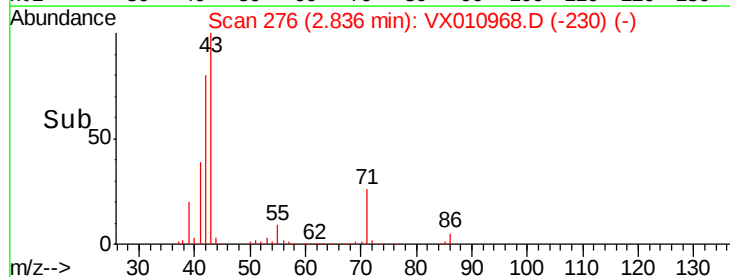
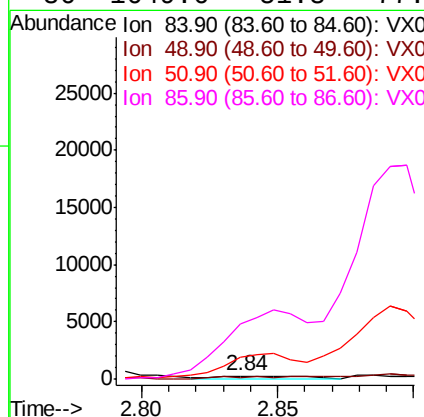
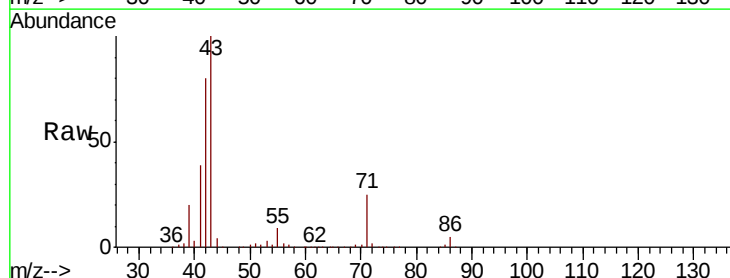
Instrument :
MSVOA_X
ClientSampled :

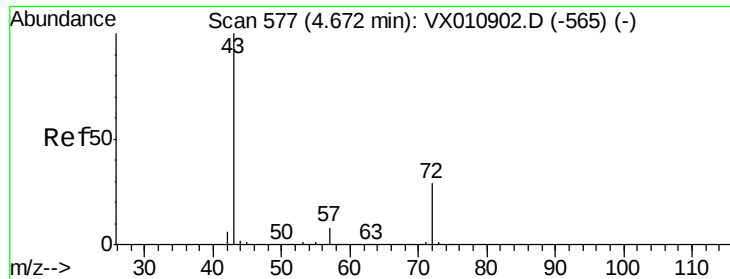
Tot Ion: 43 Resp: 229262
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 84 Resp: 571
Ion Ratio Lower Upper
84 100
49 69.6 89.9 134.9#
51 633.8 27.8 41.6#
86 1649.6 51.8 77.6#





#25

2-Butanone

Concen: 4.291 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.10 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

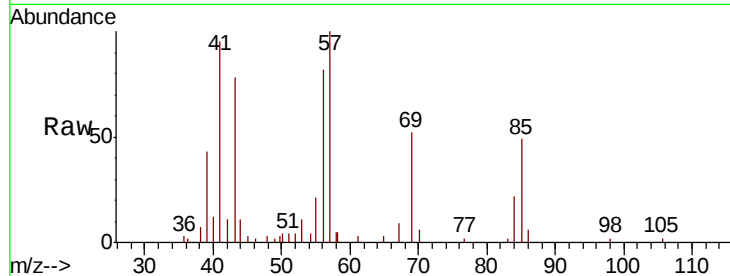
ClientSampleId :

Tot Ion: 43 Resp: 7186

Ion Ratio Lower Upper

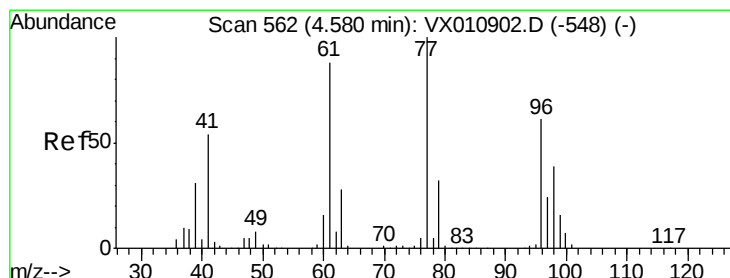
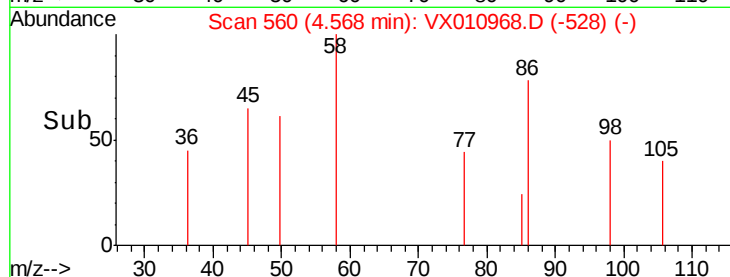
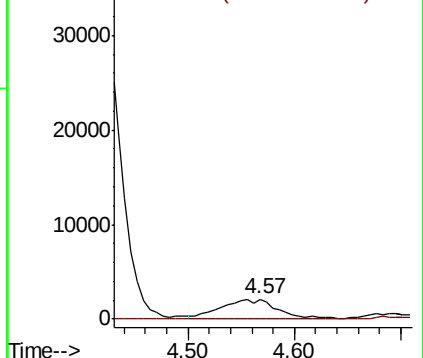
43 100

72 0.0 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: 4.469 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010968.D

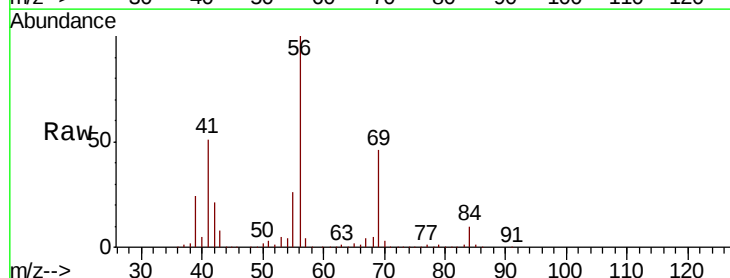
Acq: 18 Jul 2019 18:52

Tgt Ion: 77 Resp: 14118

Ion Ratio Lower Upper

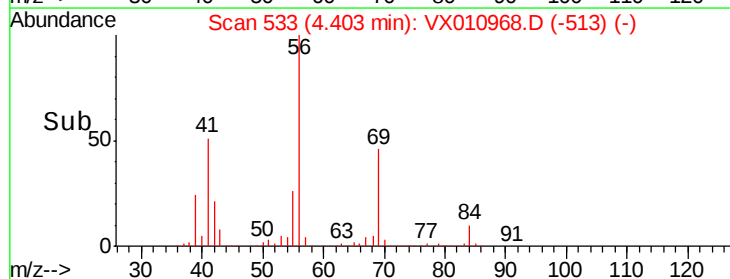
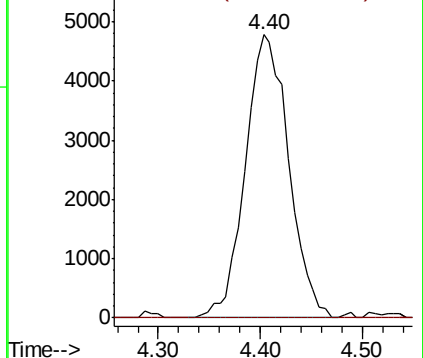
77 100

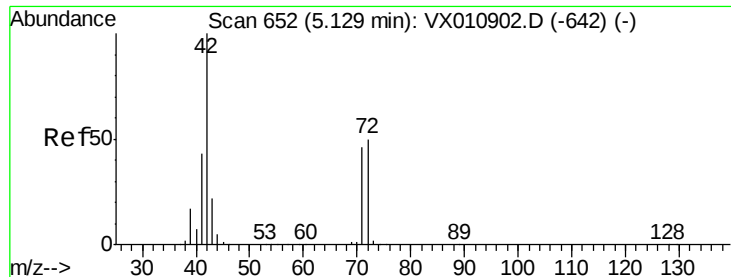
97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

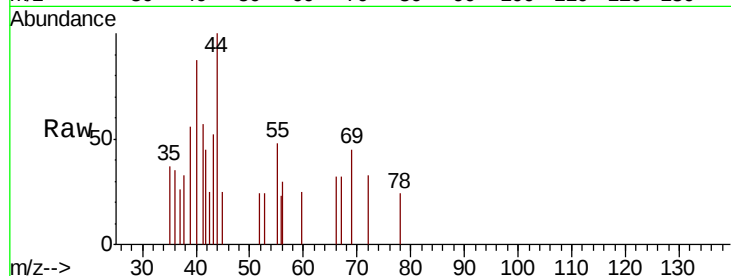




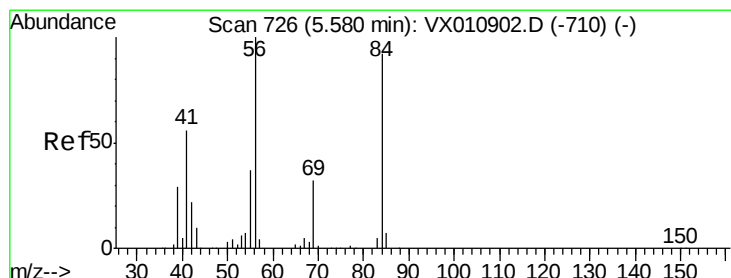
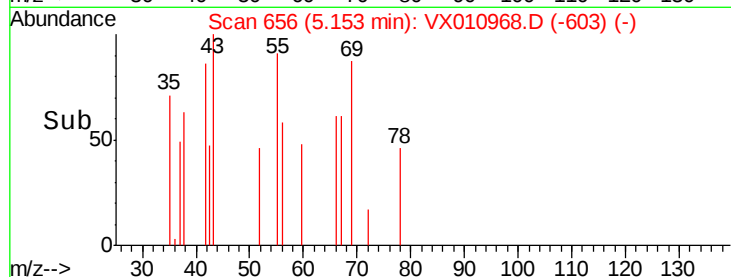
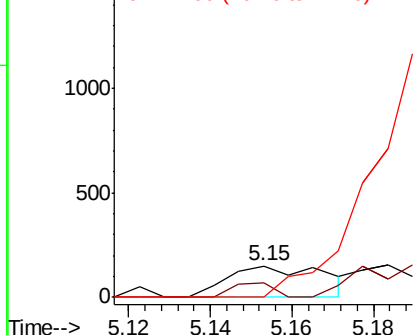
#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 42 Resp: 248
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 0.0 37.0 55.4#

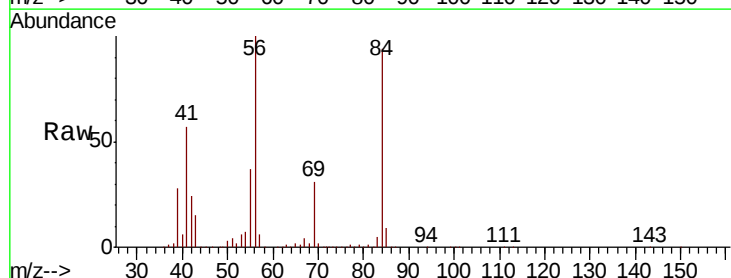


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

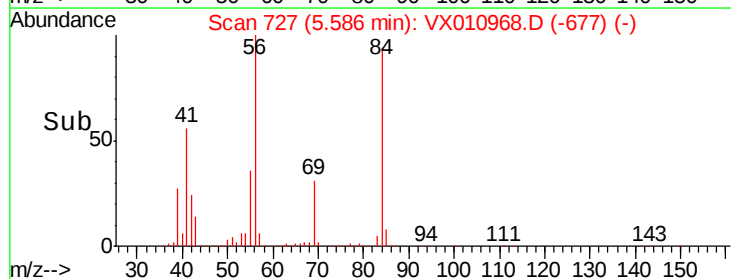
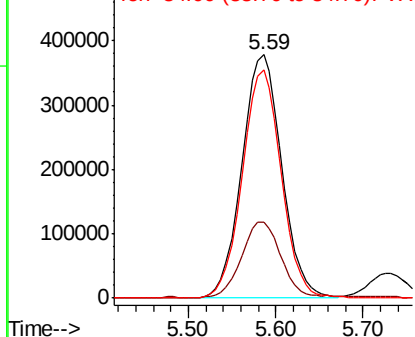


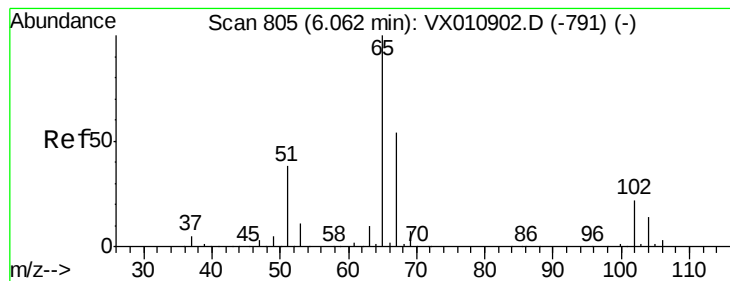
#31
Cyclohexane
Concen: 341.656 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 56 Resp: 1198130
Ion Ratio Lower Upper
56 100
69 31.0 25.8 38.8
84 93.6 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.868 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

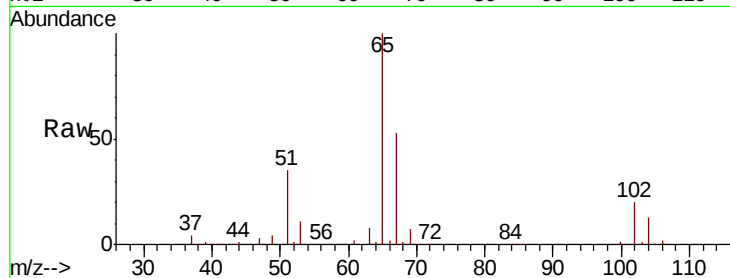
ClientSampleId :

Tot Ion: 65 Resp: 133964

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

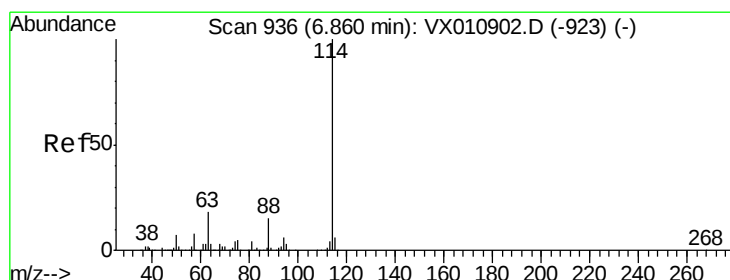
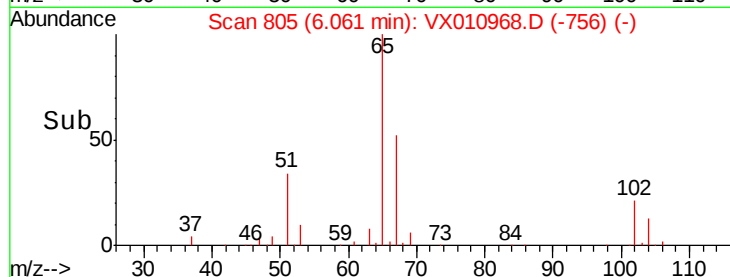
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

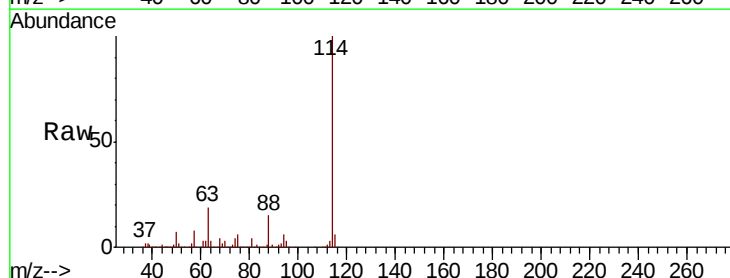
Tgt Ion: 114 Resp: 382896

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

88 15.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

150000

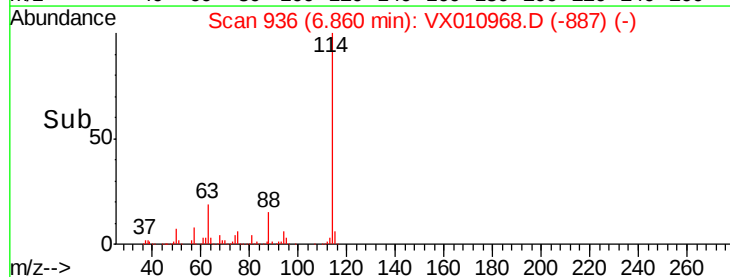
100000

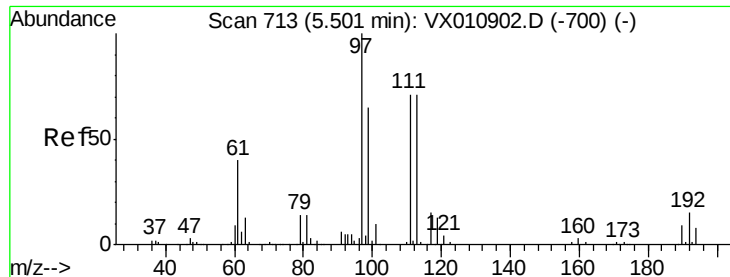
50000

0

6.70 6.80 6.90 7.00

Time-->

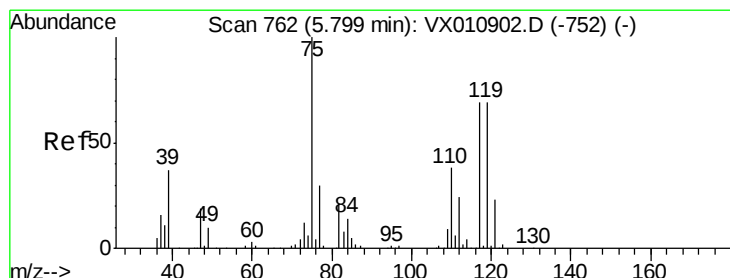
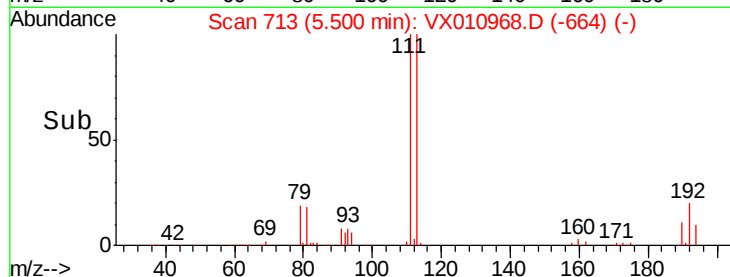
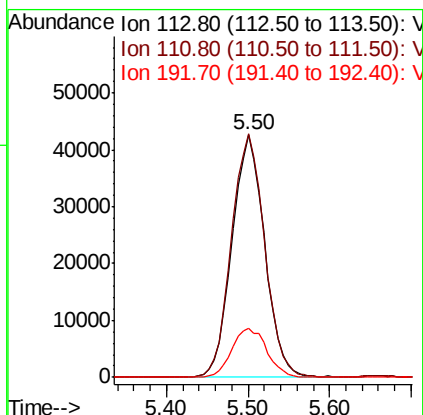
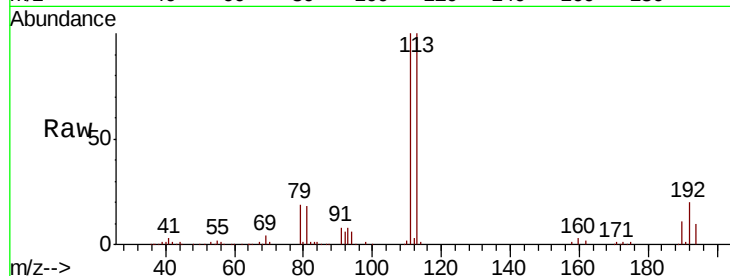




#35
Dibromofluoromethane
Concen: 48.586 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

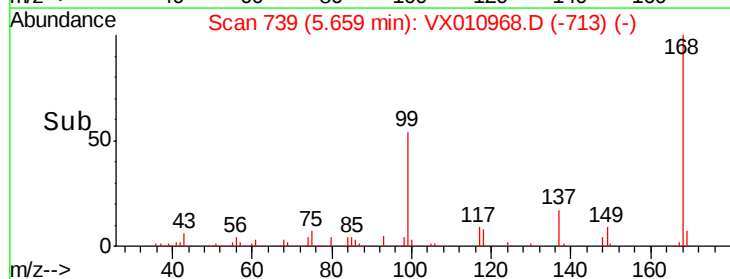
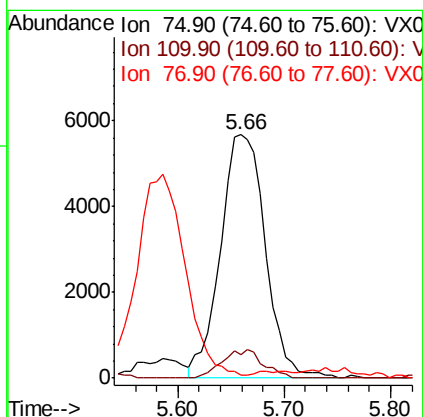
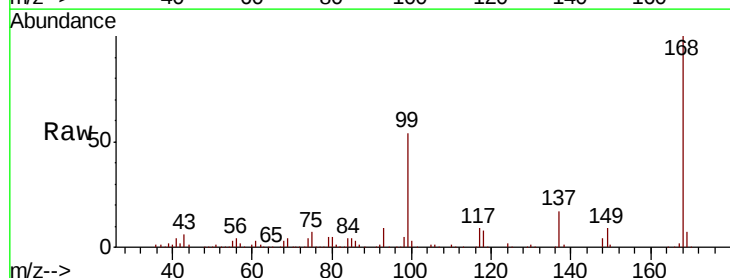
Instrument :
MSVOA_X
ClientSampled :

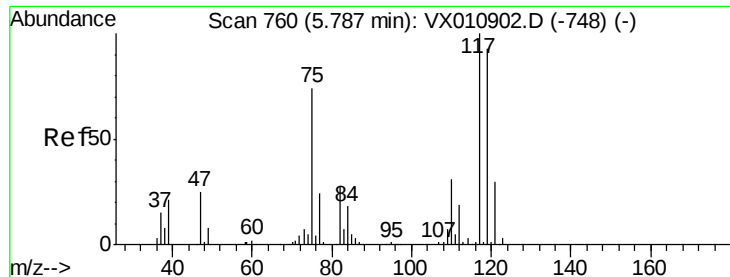
Tot Ion:113 Resp: 118079
Ion Ratio Lower Upper
113 100
111 102.1 82.3 123.5
192 21.5 17.4 26.2



#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 75 Resp: 16684
Ion Ratio Lower Upper
75 100
110 10.5 19.9 59.7#
77 0.0 25.0 37.4#

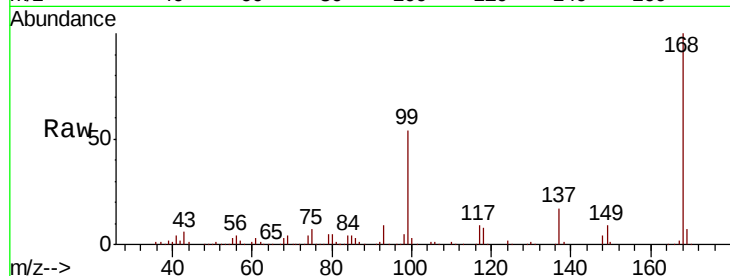




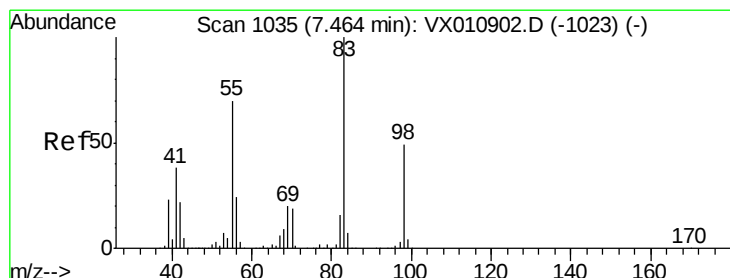
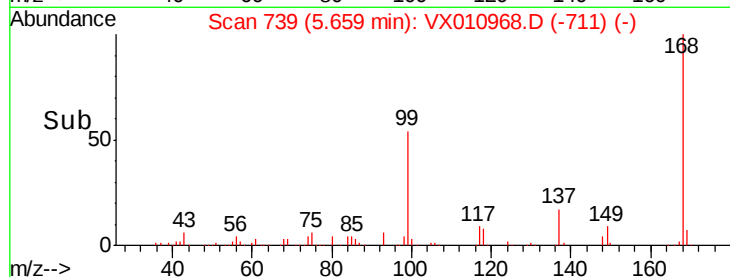
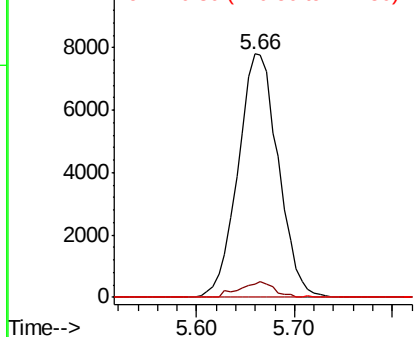
#38
Carbon Tetrachloride
Concen: 6.773 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 22196
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.2#
121 0.0 24.2 36.2#

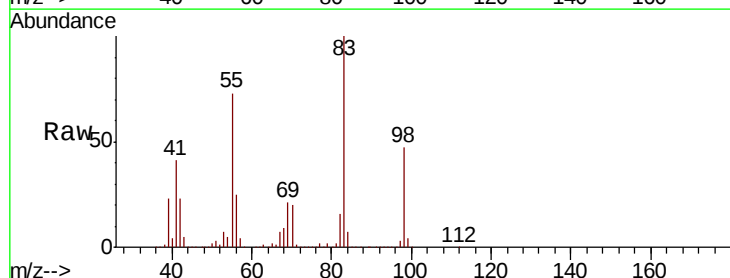


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

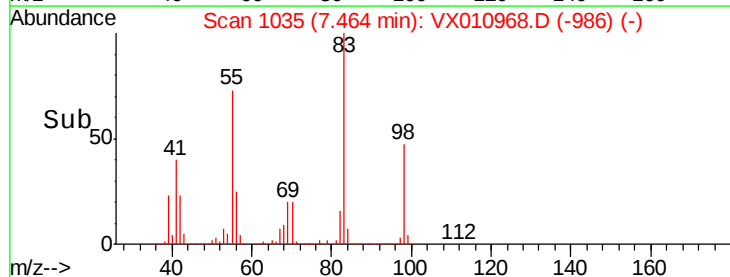
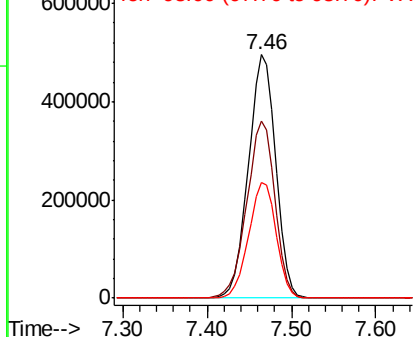


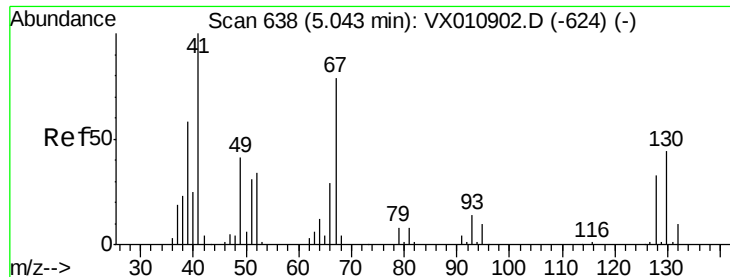
#39
Methylcyclohexane
Concen: 268.162 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 83 Resp: 1093736
Ion Ratio Lower Upper
83 100
55 72.8 56.2 84.4
98 47.5 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

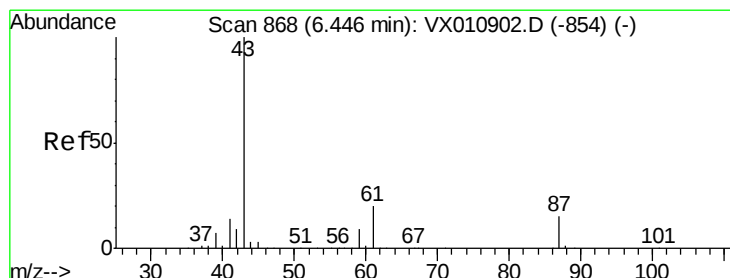
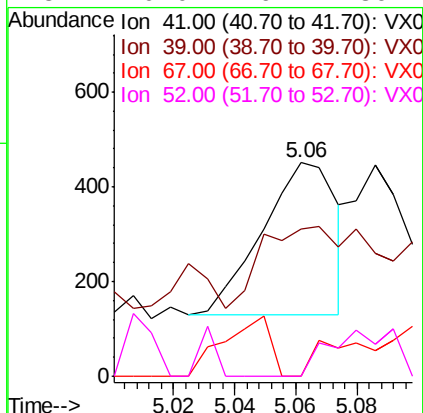
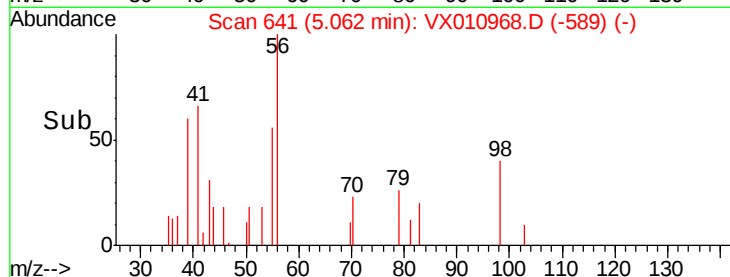
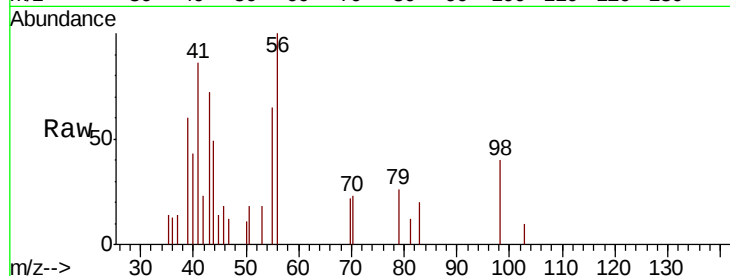




#41
Methacrylonitrile
Concen: 0.296 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.02 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

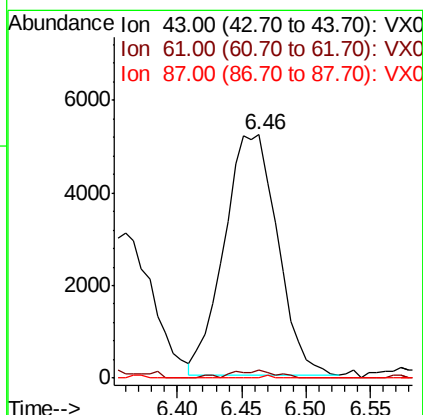
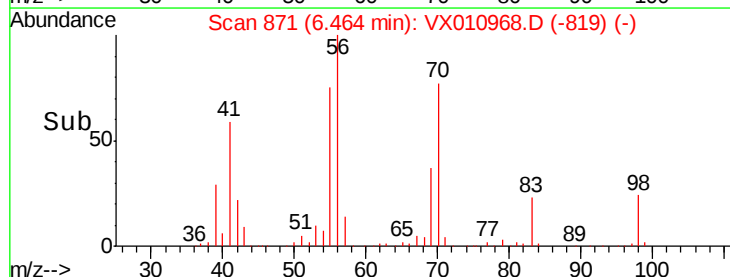
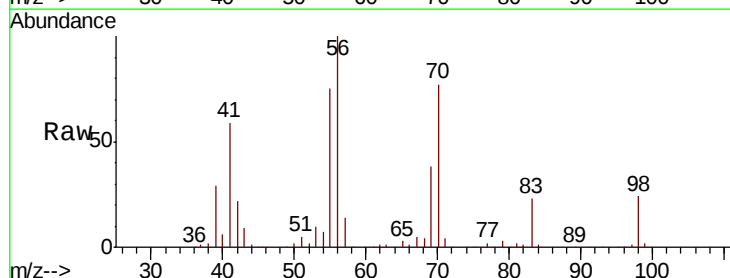
Instrument :
MSVOA_X
ClientSampled :

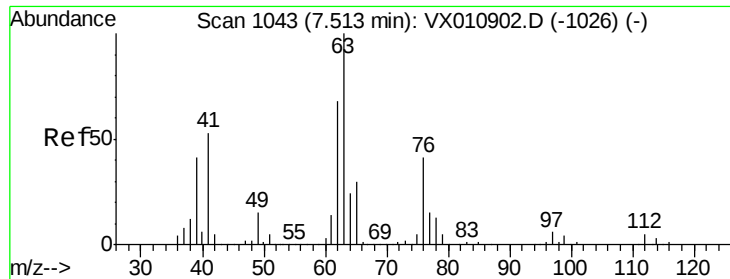
Tot Ion: 41 Resp: 541
Ion Ratio Lower Upper
41 100
39 110.7 45.4 68.2#
67 0.0 65.9 98.9#
52 0.0 26.2 39.2#



#43
Isopropyl Acetate
Concen: 2.834 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.02 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 43 Resp: 15008
Ion Ratio Lower Upper
43 100
61 2.7 17.1 25.7#
87 0.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 4.290 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

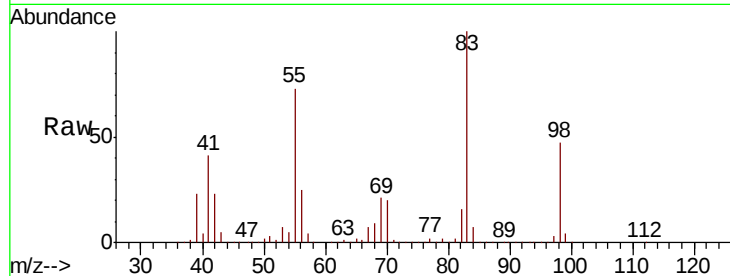
ClientSampled :

Tot Ion: 63 Resp: 10520

Ion Ratio Lower Upper

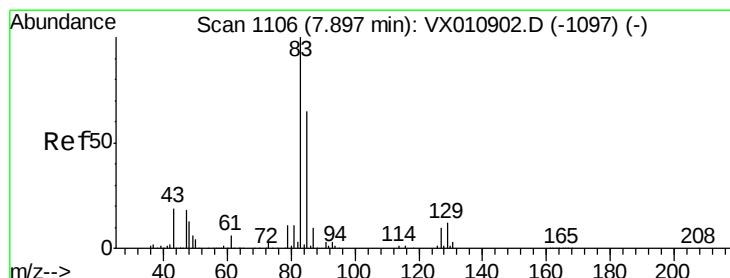
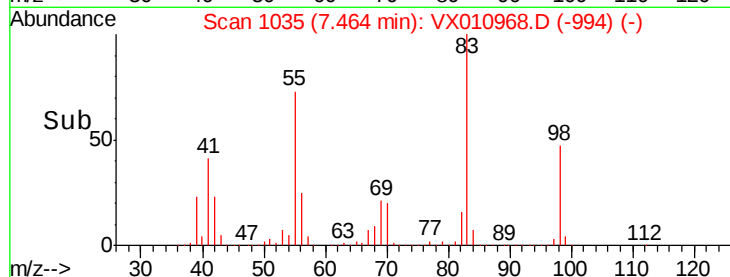
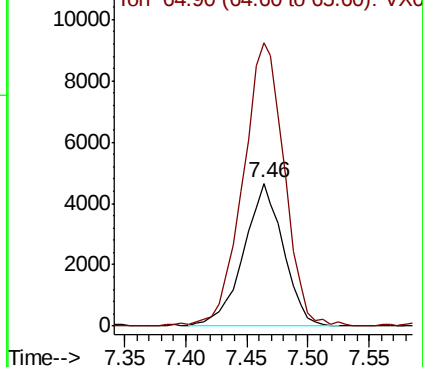
63 100

65 197.2 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: 0.641 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

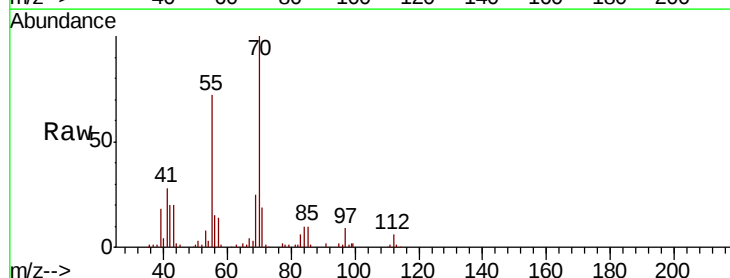
Tgt Ion: 83 Resp: 1998

Ion Ratio Lower Upper

83 100

85 163.5 52.5 78.7#

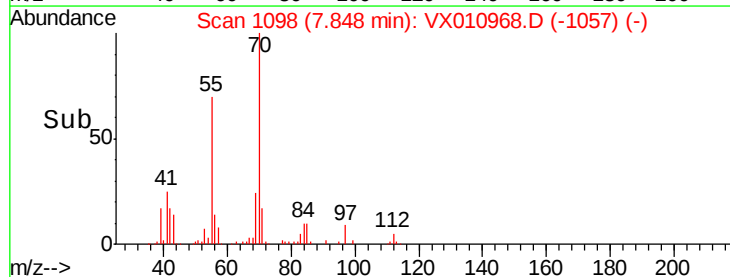
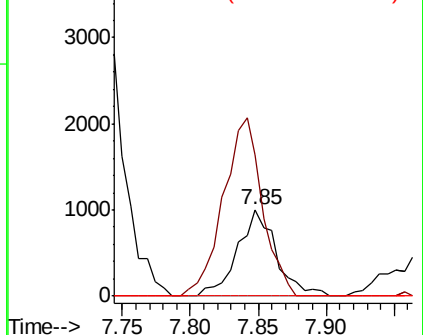
127 0.0 7.8 11.8#

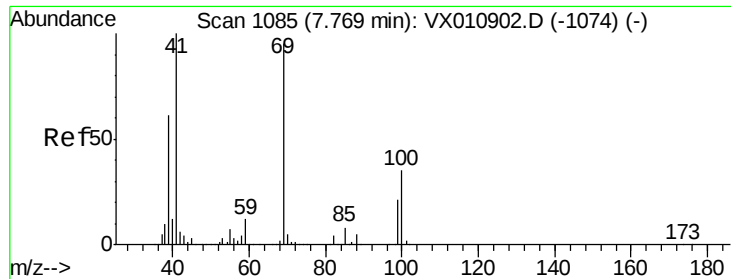


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 17.976 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

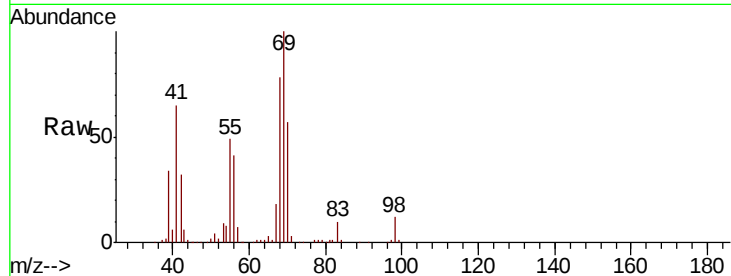
Tot Ion: 41 Resp: 46372

Ion Ratio Lower Upper

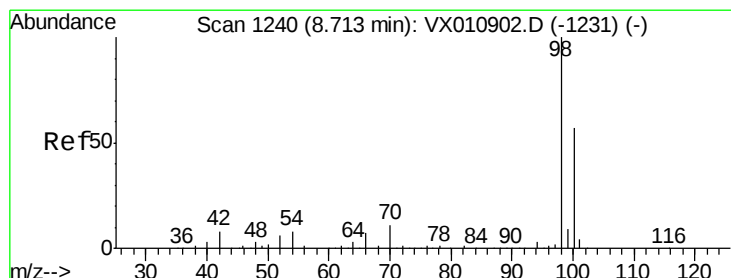
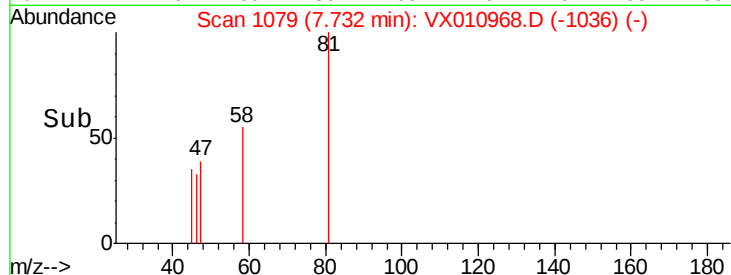
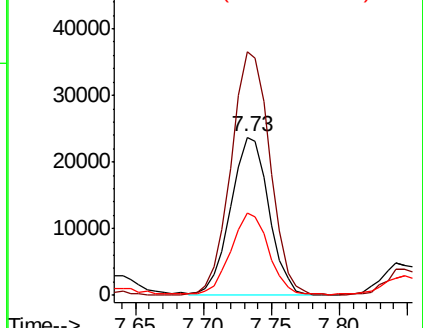
41 100

69 157.8 74.4 111.6#

39 50.5 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



#50

Toluene-d8

Concen: 51.321 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010968.D

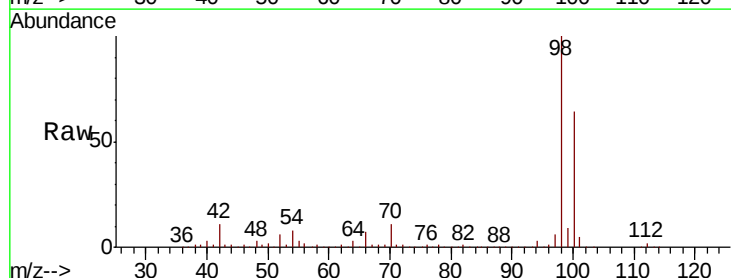
Acq: 18 Jul 2019 18:52

Tgt Ion: 98 Resp: 467804

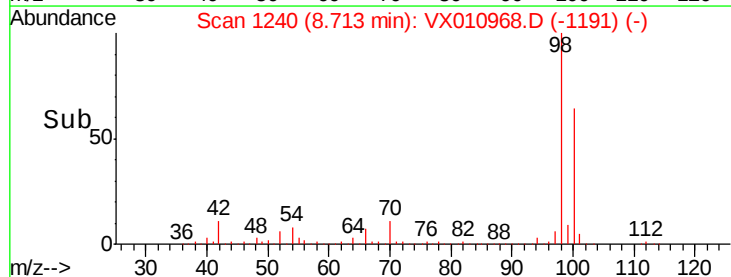
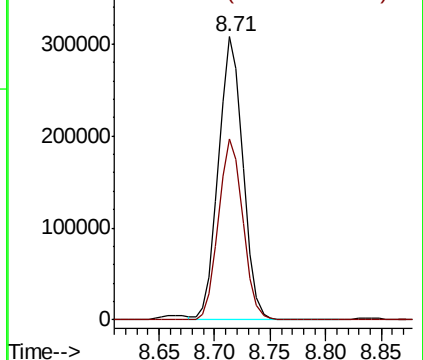
Ion Ratio Lower Upper

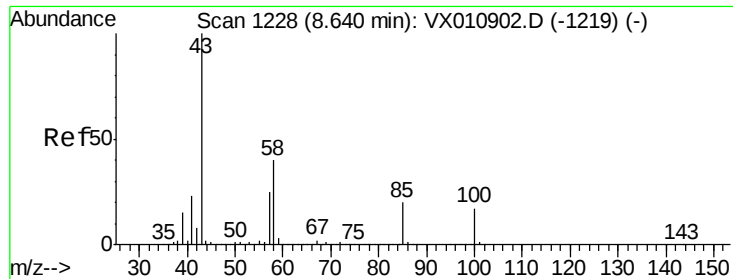
98 100

100 64.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.442 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

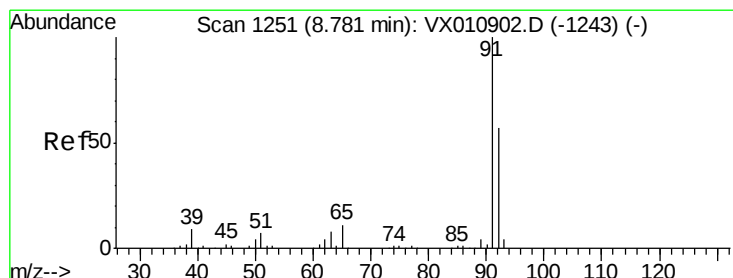
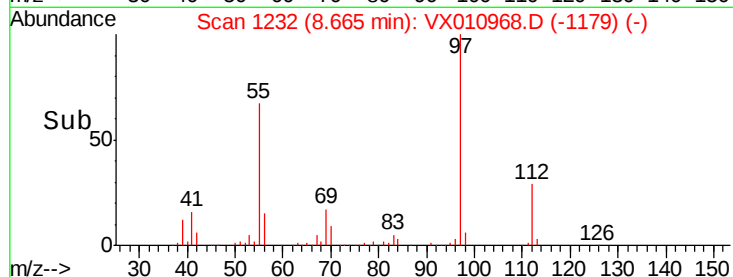
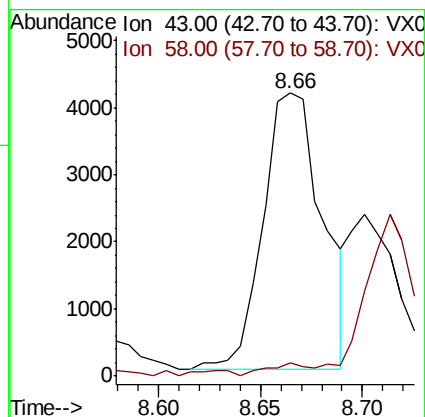
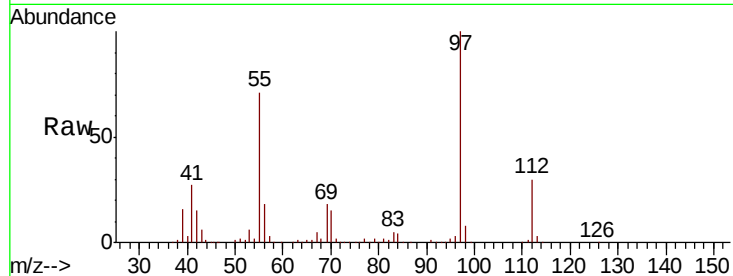
ClientSampleId :

Tot Ion: 43 Resp: 8382

Ion Ratio Lower Upper

43 100

58 3.5 32.2 48.4#



#52

Toluene

Concen: 0.875 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010968.D

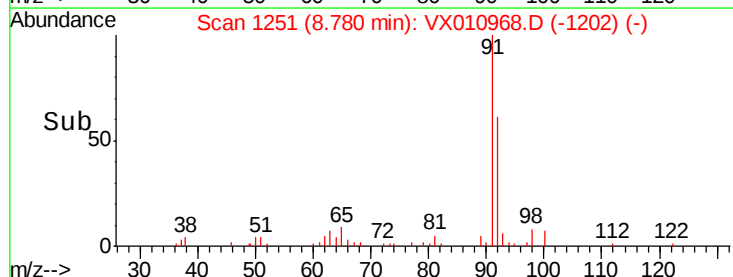
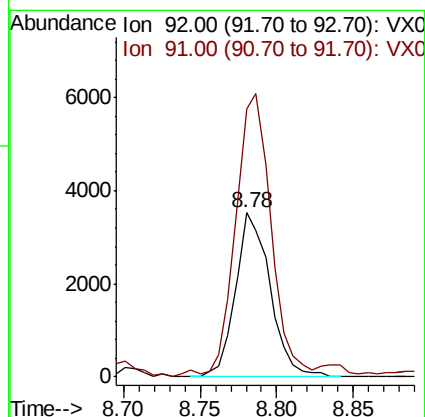
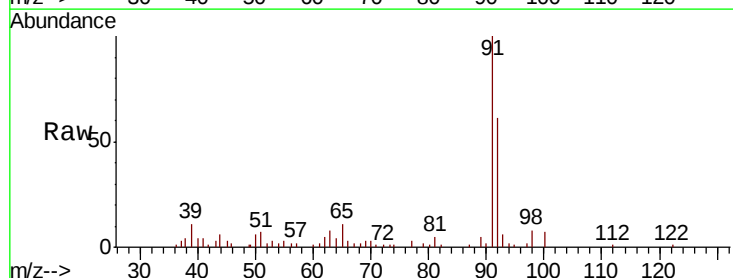
Acq: 18 Jul 2019 18:52

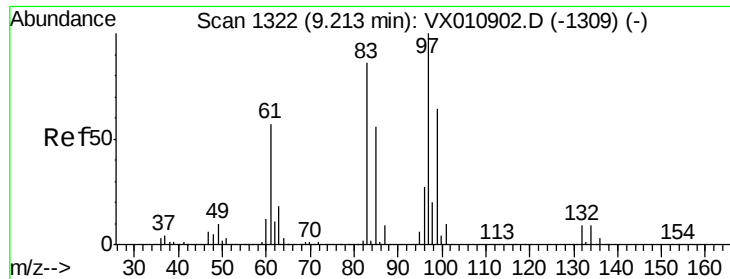
Tgt Ion: 92 Resp: 5536

Ion Ratio Lower Upper

92 100

91 177.5 139.4 209.0





#55

1,1,2-Trichloroethane

Concen: 18.563 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 48374

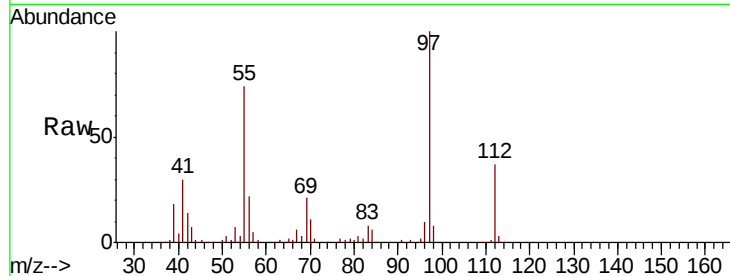
Ion Ratio Lower Upper

97 100

83 8.1 69.2 103.8#

85 0.3 44.6 66.8#

99 0.3 51.2 76.8#

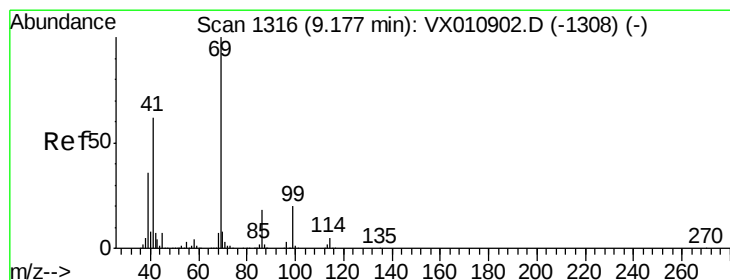
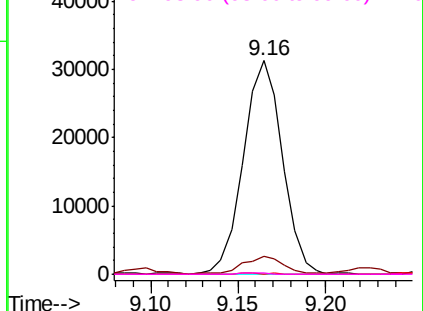
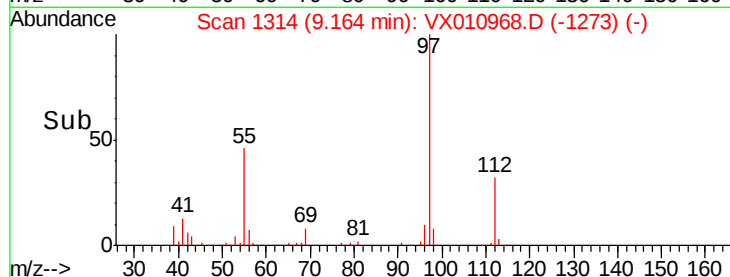


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.737 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

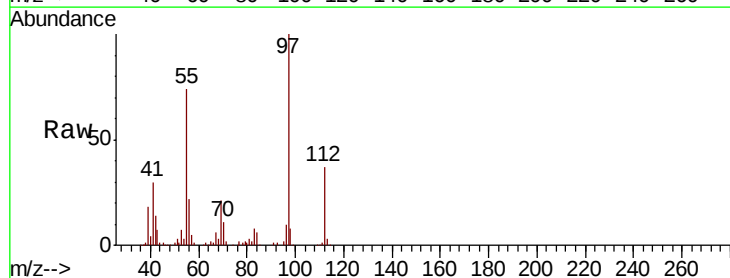
Tgt Ion: 69 Resp: 10434

Ion Ratio Lower Upper

69 100

41 153.9 49.7 74.5#

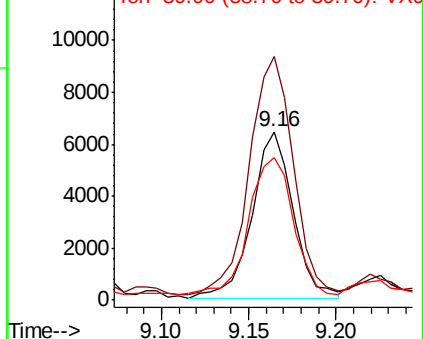
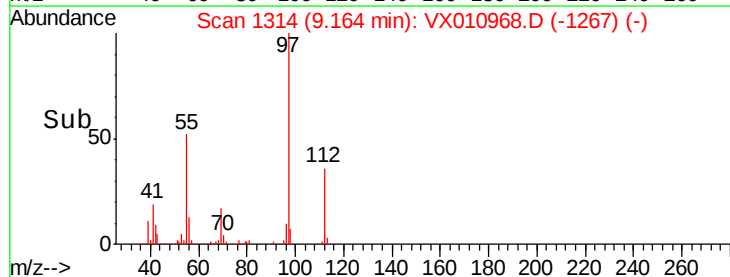
39 88.8 29.6 44.4#

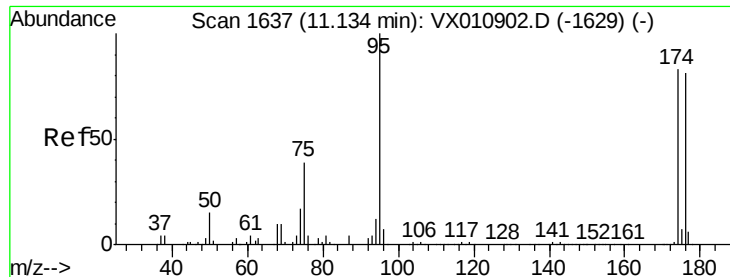


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 56.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

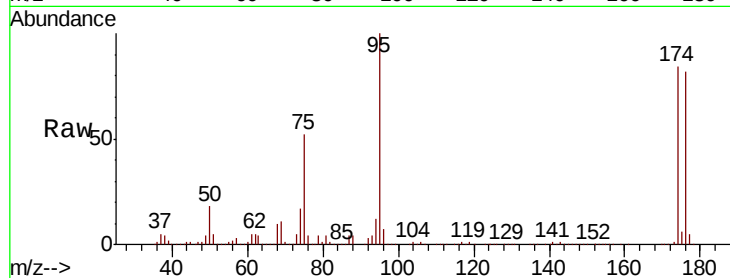
Tot Ion: 95 Resp: 187870

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.6

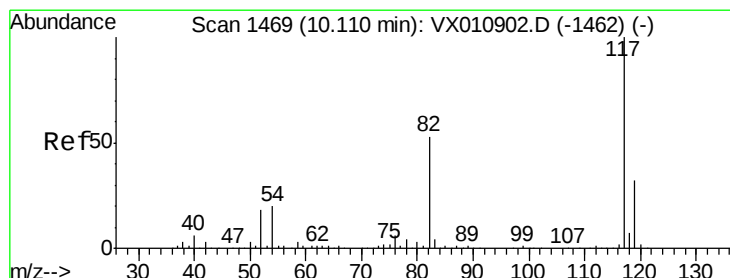
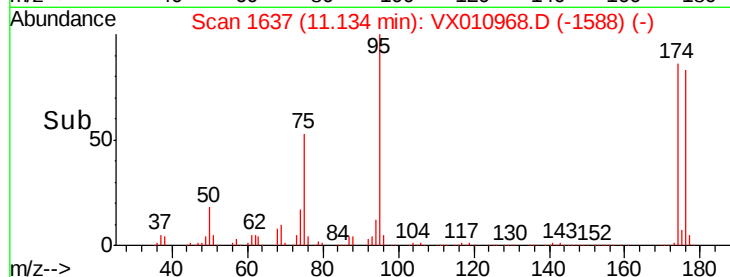
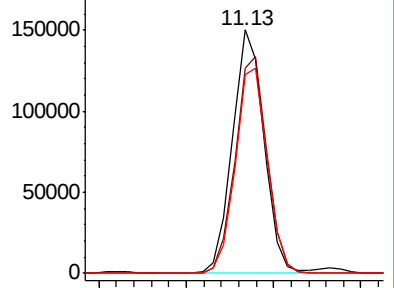
176 86.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

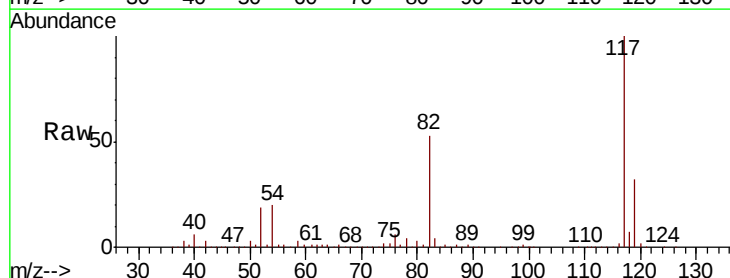
Tgt Ion: 117 Resp: 365326

Ion Ratio Lower Upper

117 100

82 53.0 42.6 63.8

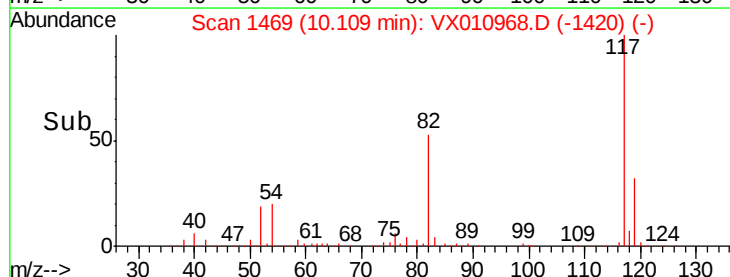
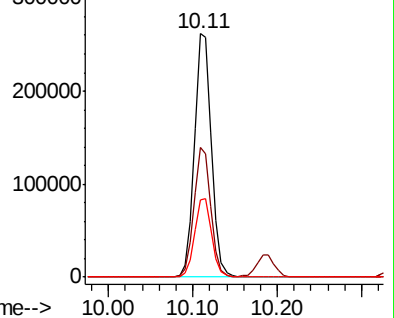
119 31.6 25.9 38.9

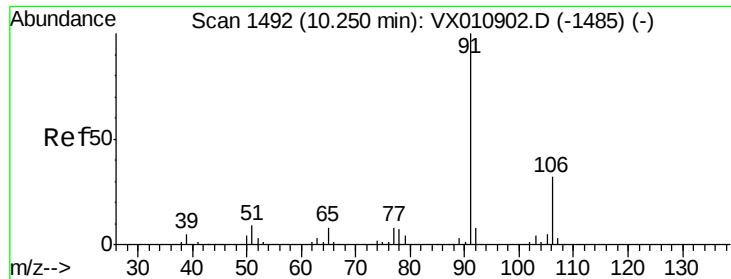


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)





#67

Ethyl Benzene

Concen: 557.850 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

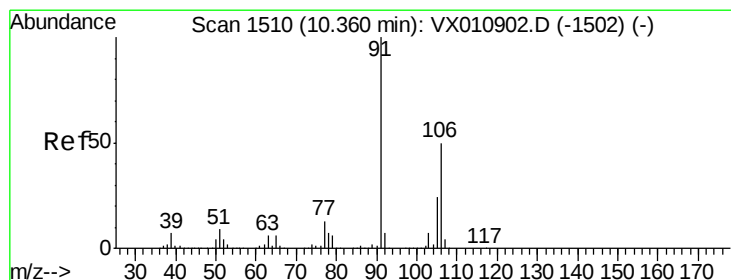
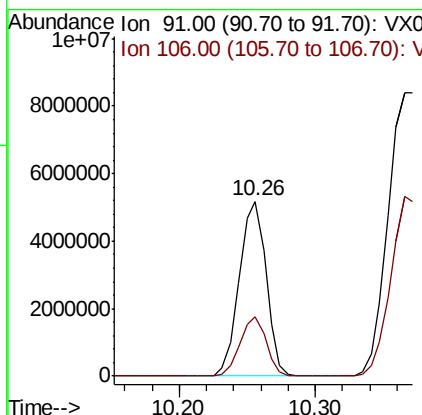
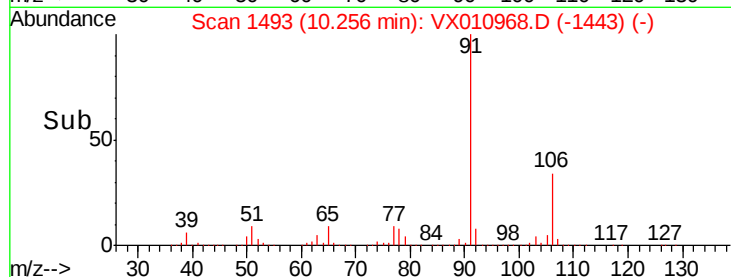
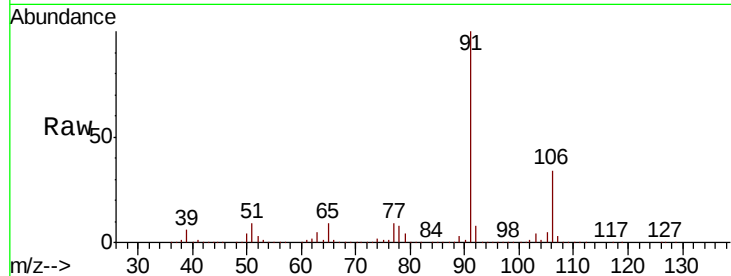
ClientSampled :

Tot Ion: 91 Resp: 7124781

Ion Ratio Lower Upper

91 100

106 34.2 25.4 38.2



#68

m/p-Xylenes

Concen: 1648.261 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX010968.D

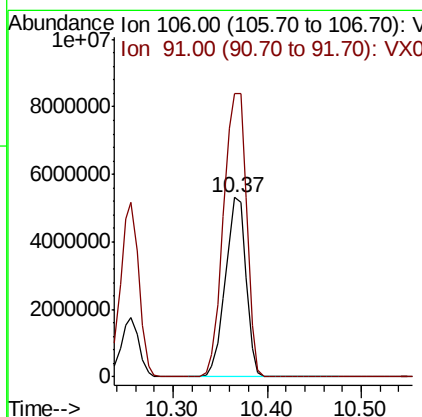
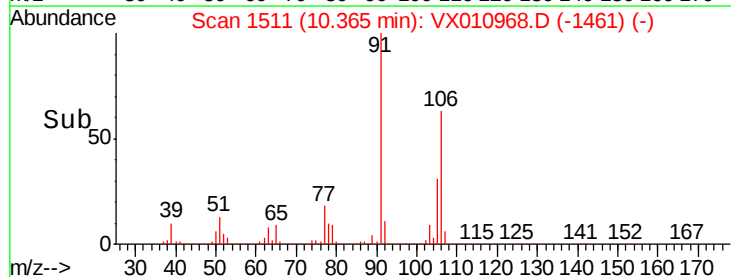
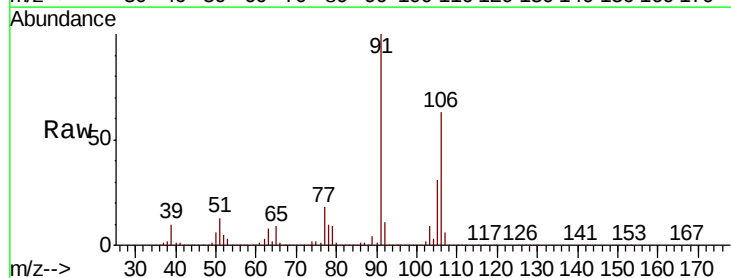
Acq: 18 Jul 2019 18:52

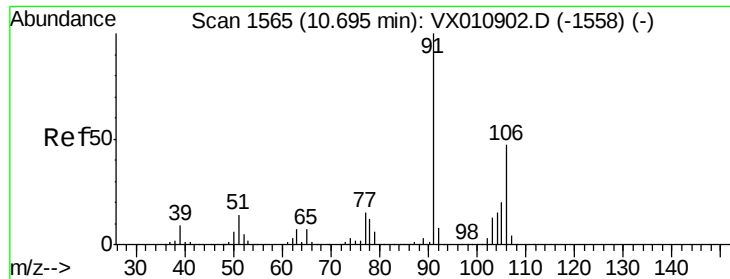
Tgt Ion:106 Resp: 8075116

Ion Ratio Lower Upper

106 100

91 176.4 160.1 240.1

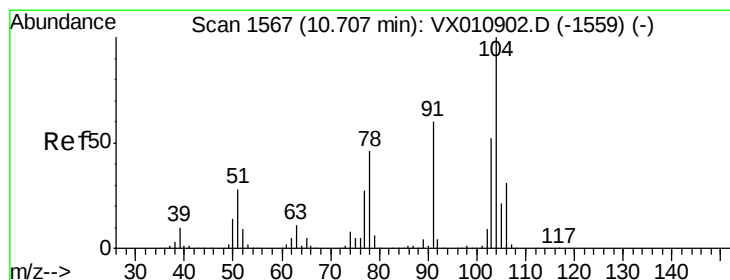
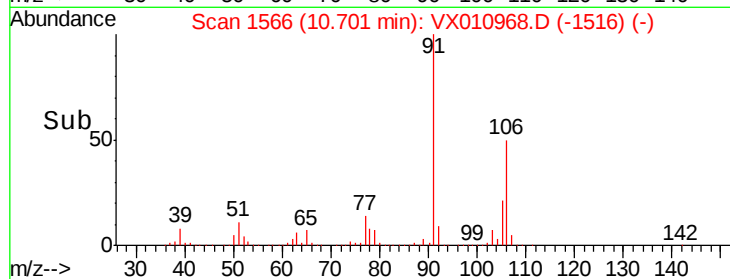
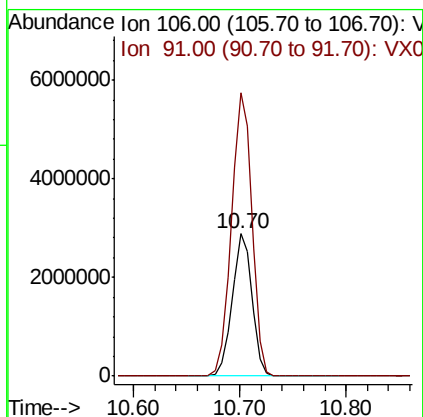
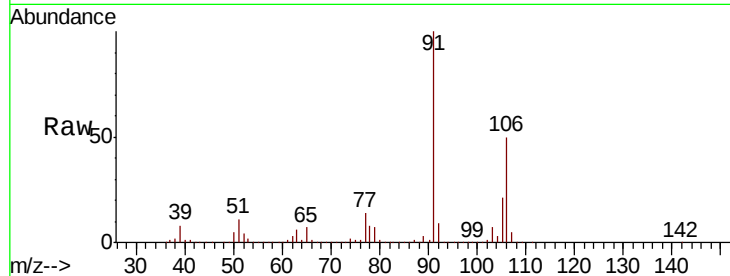




#69
o-Xylene
Concen: 786.444 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

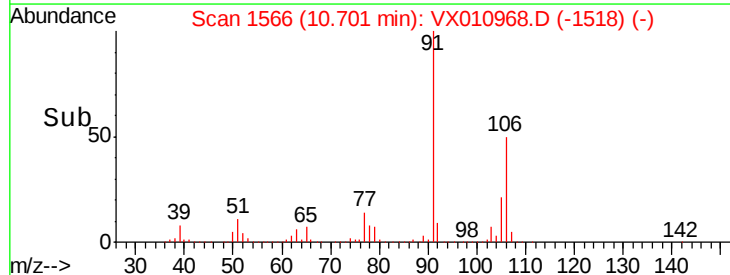
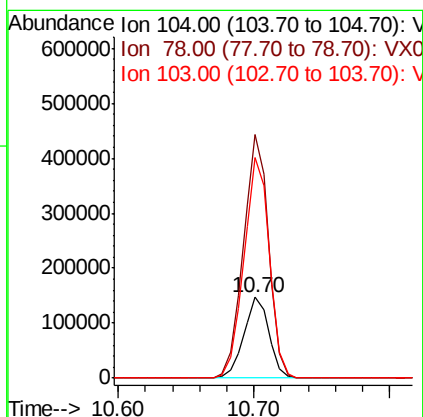
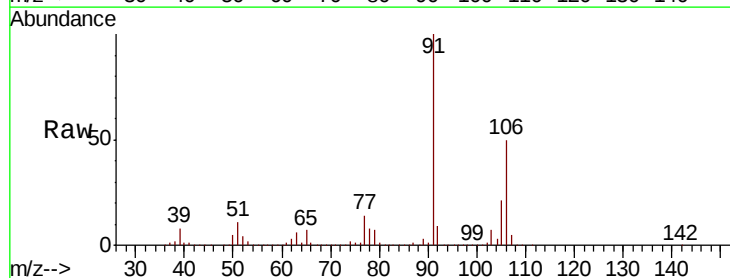
Instrument :
MSVOA_X
ClientSampleId :

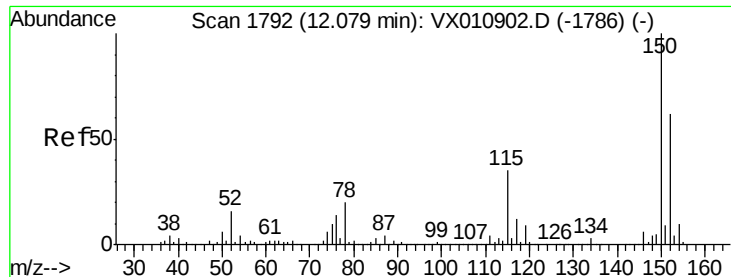
Tot Ion:106 Resp: 3760266
Ion Ratio Lower Upper
106 100
91 206.3 105.1 315.3



#70
Styrene
Concen: 23.675 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion:104 Resp: 188699
Ion Ratio Lower Upper
104 100
78 302.6 38.8 58.2#
103 277.5 44.2 66.4#



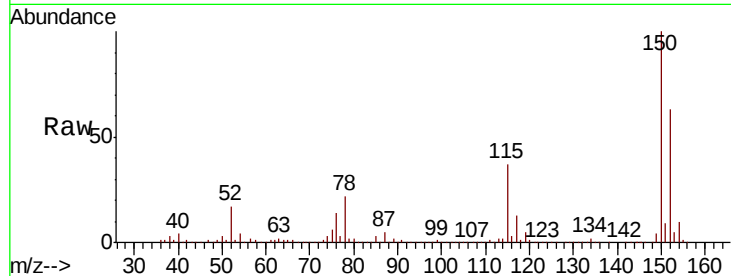


#72

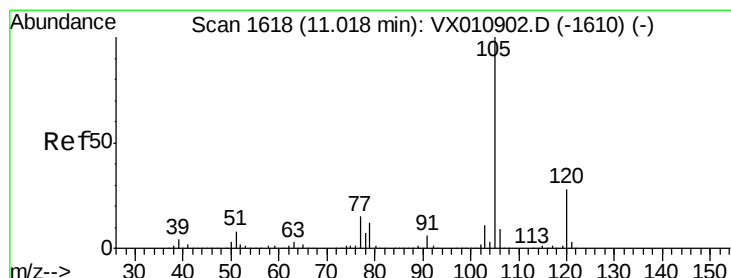
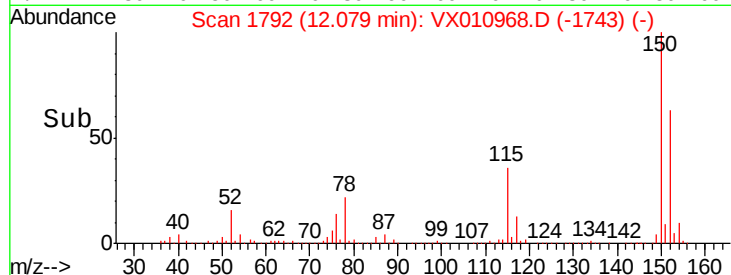
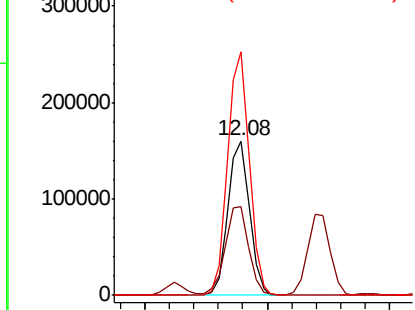
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 194352
Ion Ratio Lower Upper
152 100
115 62.9 39.7 119.1
150 158.0 0.0 345.6



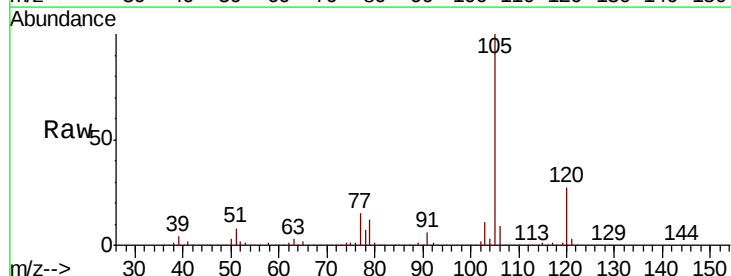
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



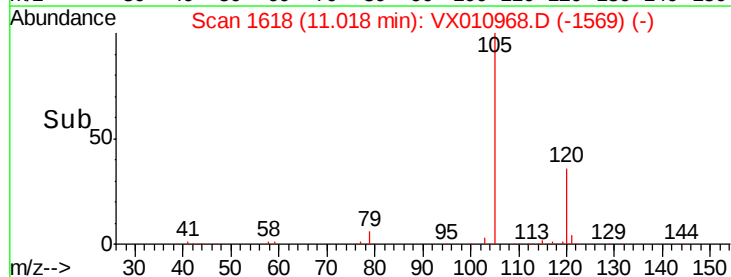
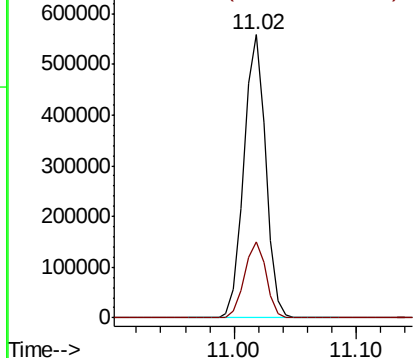
#73

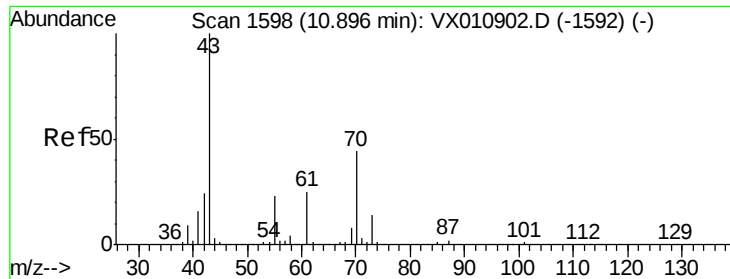
Isopropylbenzene
Concen: 52.501 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion:105 Resp: 689455
Ion Ratio Lower Upper
105 100
120 26.8 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-amvl acetate

Concen: 0.202 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010968.D

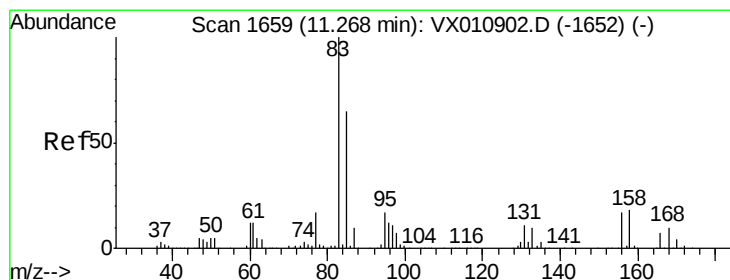
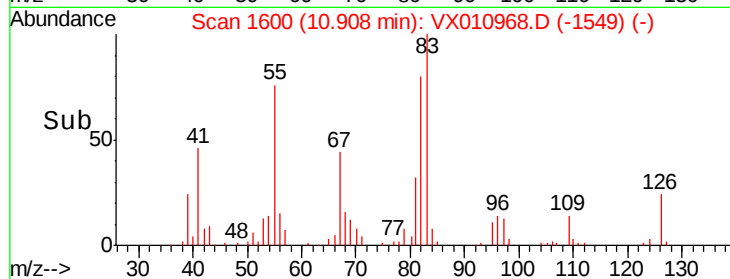
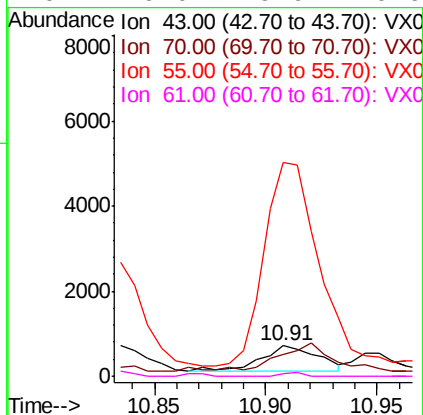
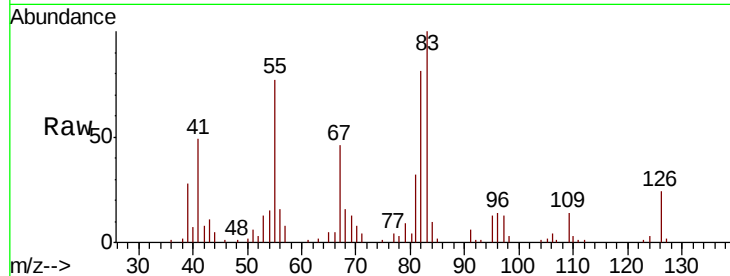
Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	1013
Ion	Ratio	Lower	Upper
43	100		
70	116.3	34.7	52.1#
55	816.7	19.1	28.7#
61	0.0	19.9	29.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.231 ug/l

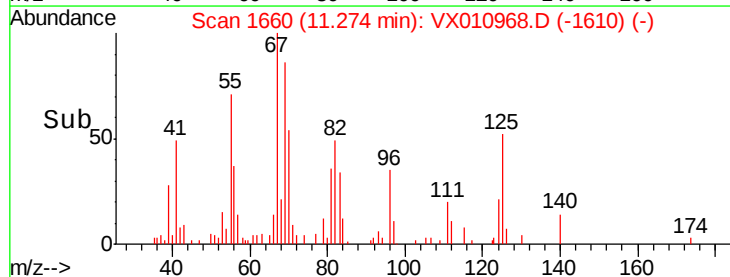
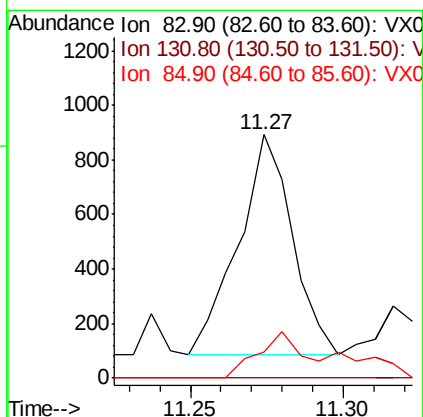
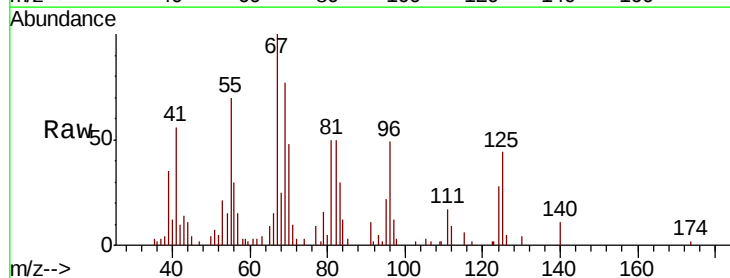
RT: 11.27 min Scan# 1660

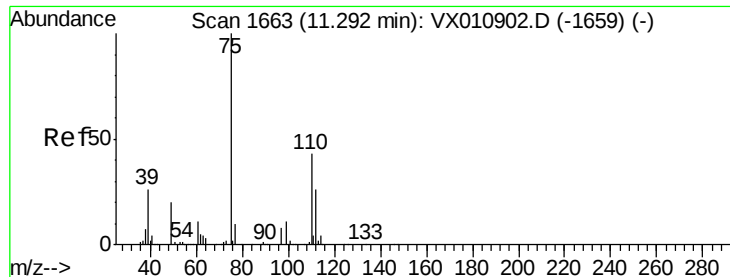
Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Tgt Ion:	83	Resp:	993
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	0.0	32.3	96.9#





#76

1,2,3-Trichloropropane

Concen: 2.184 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

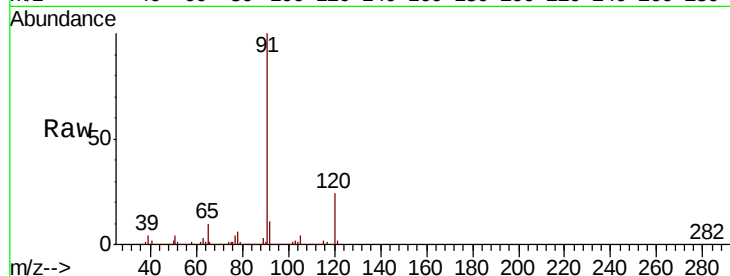
ClientSampleId :

Tot Ion: 75 Resp: 7661

Ion Ratio Lower Upper

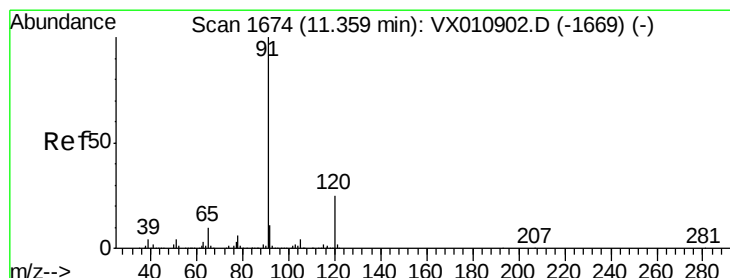
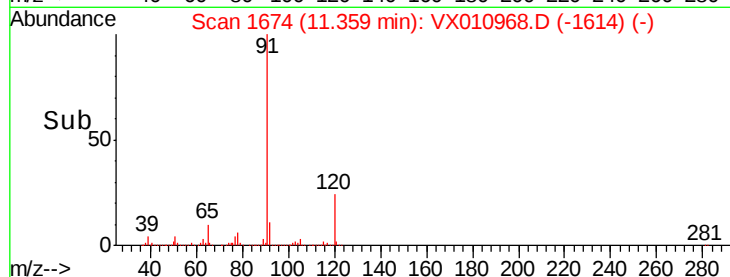
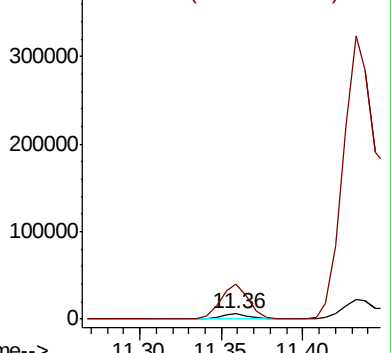
75 100

77 614.2 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: 81.744 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010968.D

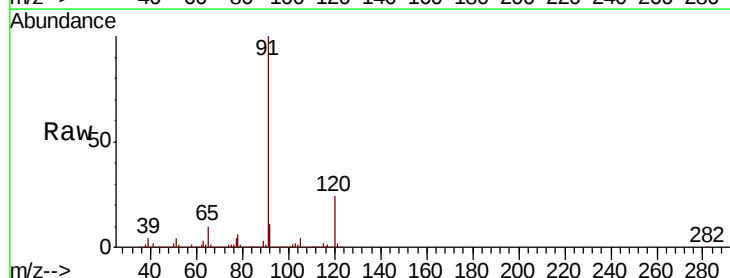
Acq: 18 Jul 2019 18:52

Tgt Ion: 91 Resp: 1186118

Ion Ratio Lower Upper

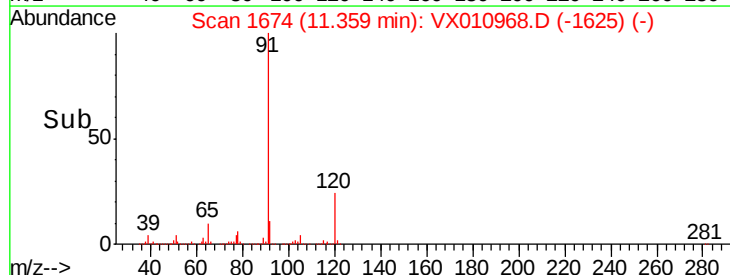
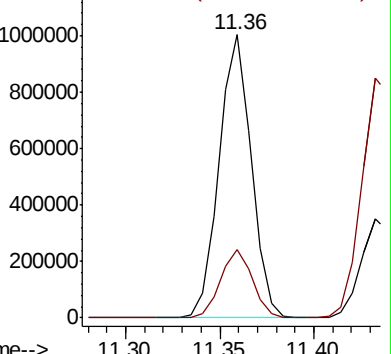
91 100

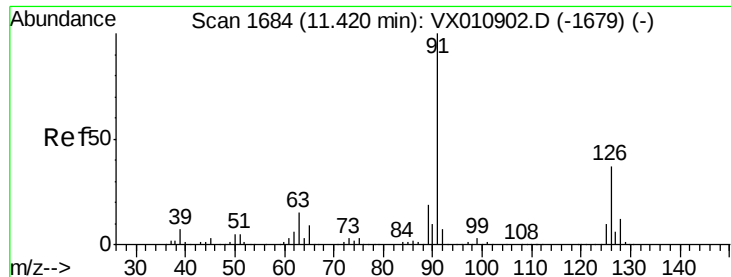
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 69.974 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

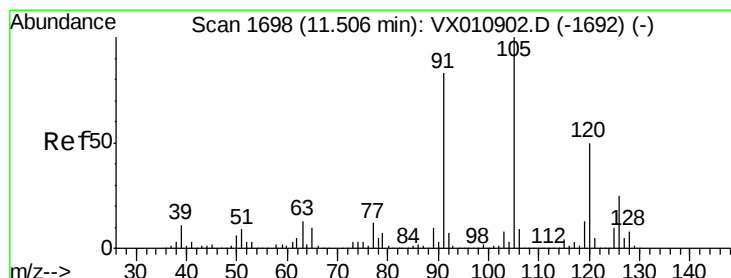
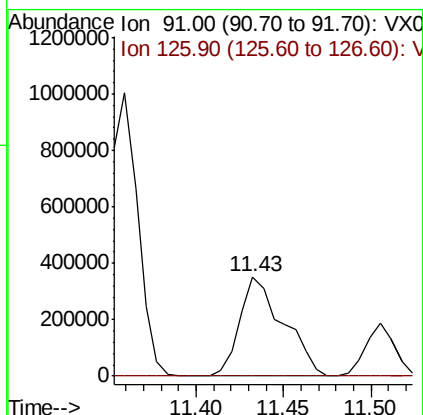
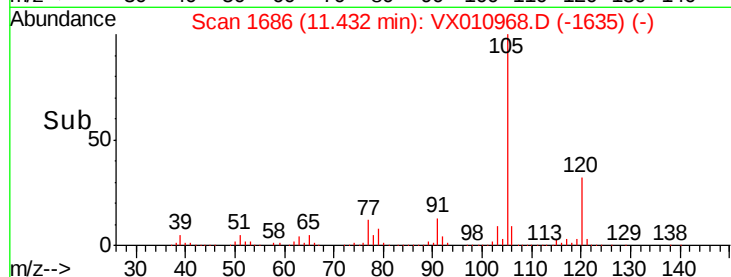
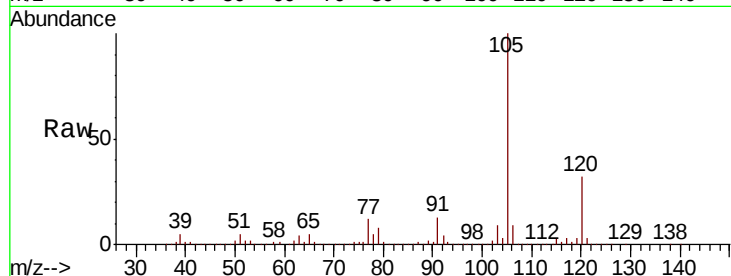
ClientSampleId :

Tot Ion: 91 Resp: 609930

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#



#80

1,3,5-Trimethylbenzene

Concen: 181.074 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010968.D

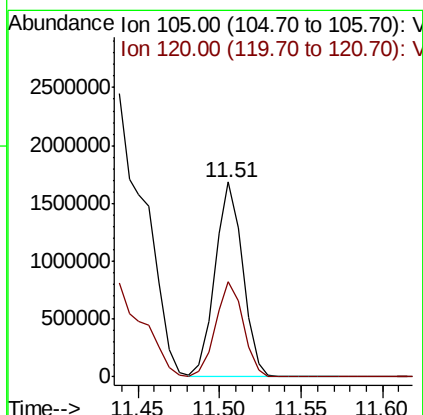
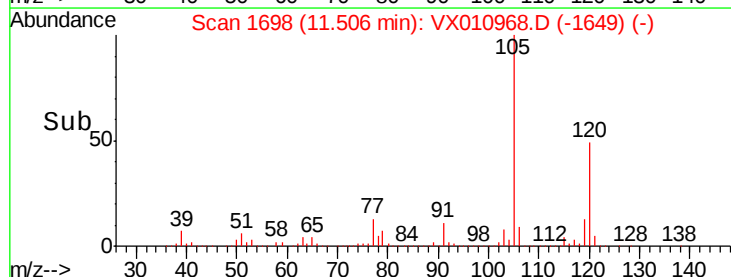
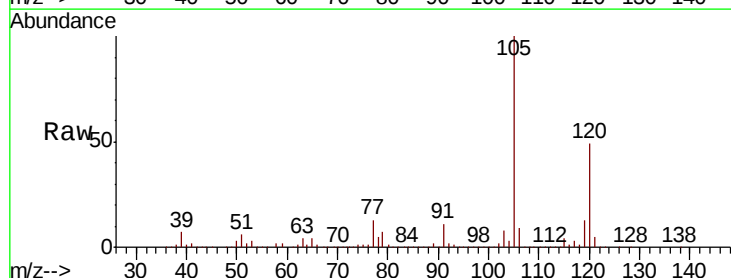
Acq: 18 Jul 2019 18:52

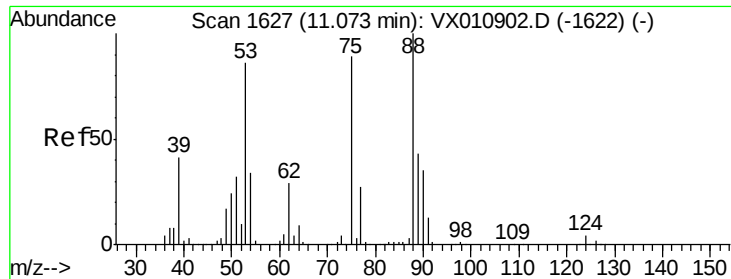
Tgt Ion:105 Resp: 1986995

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.287 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

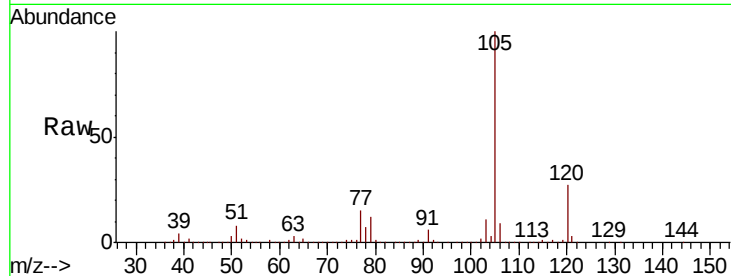
Tot Ion: 75 Resp: 7982

Ion Ratio Lower Upper

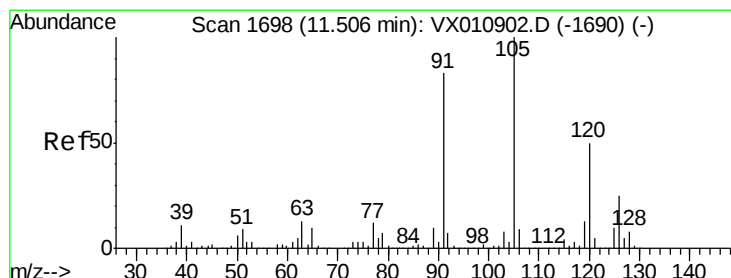
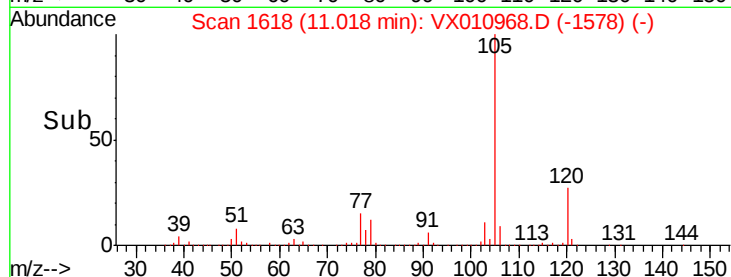
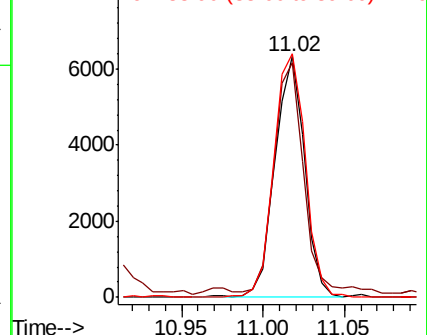
75 100

53 97.2 76.7 115.1

89 107.5 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: 21.284 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010968.D

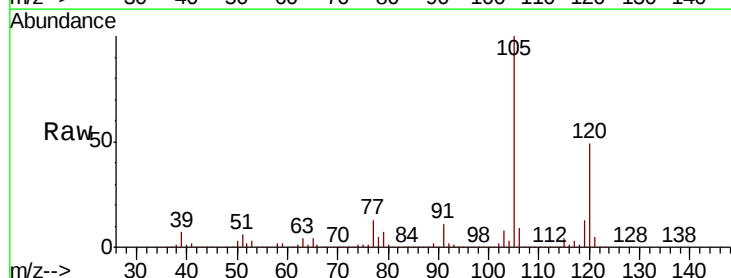
Acq: 18 Jul 2019 18:52

Tgt Ion: 91 Resp: 215925

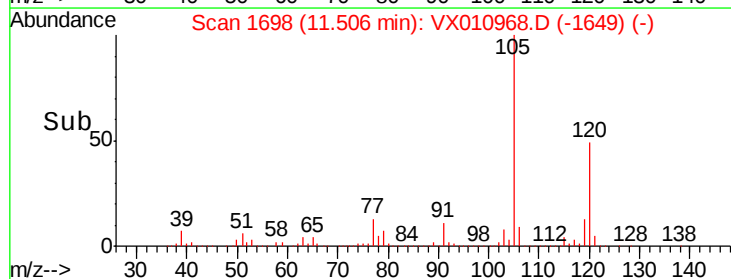
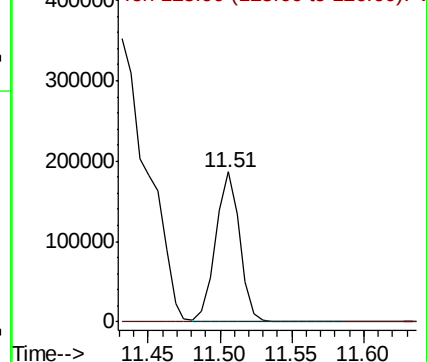
Ion Ratio Lower Upper

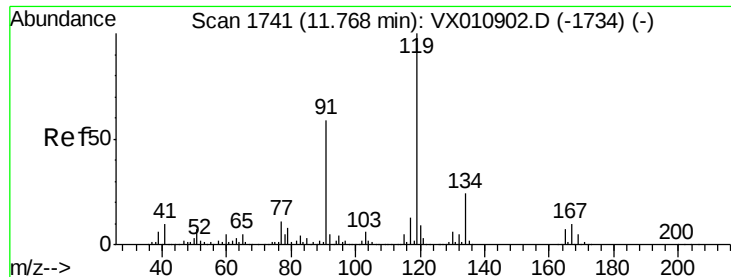
91 100

126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.160 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

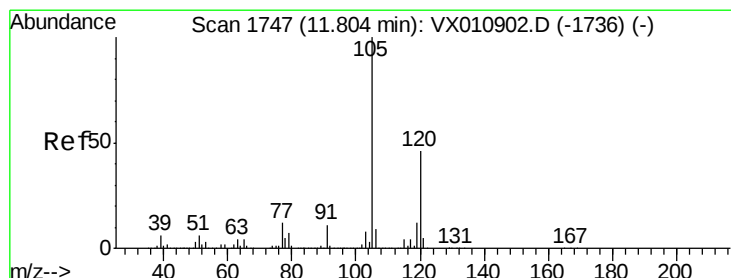
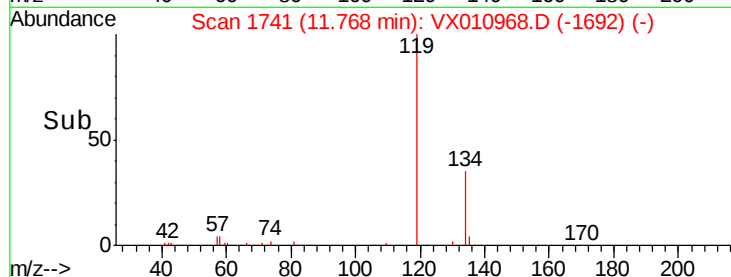
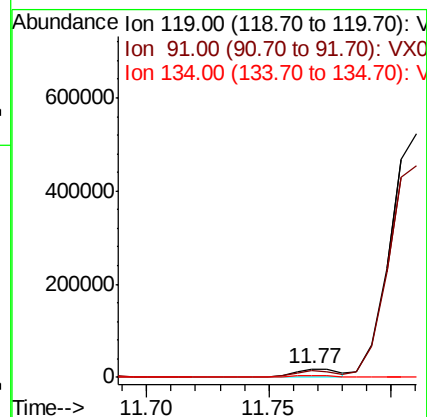
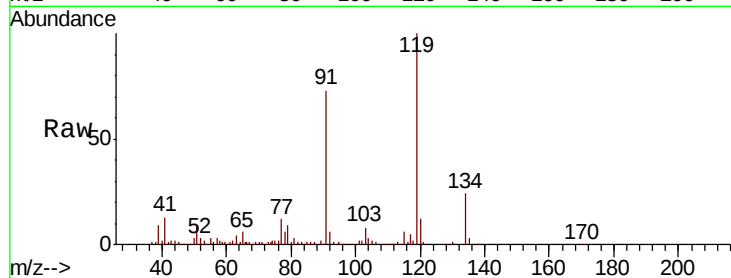
Tot Ion:119 Resp: 23285

Ion Ratio Lower Upper

119 100

91 0.0 28.6 85.8#

134 26.0 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 460.166 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010968.D

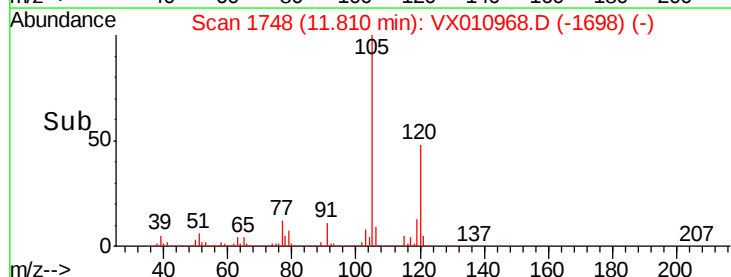
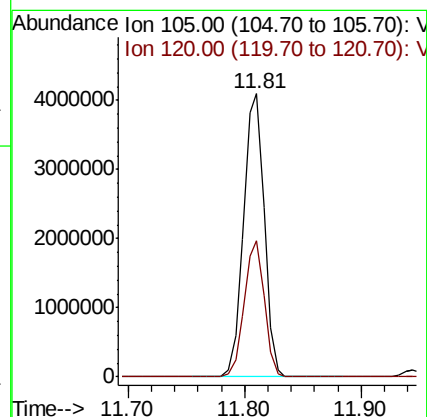
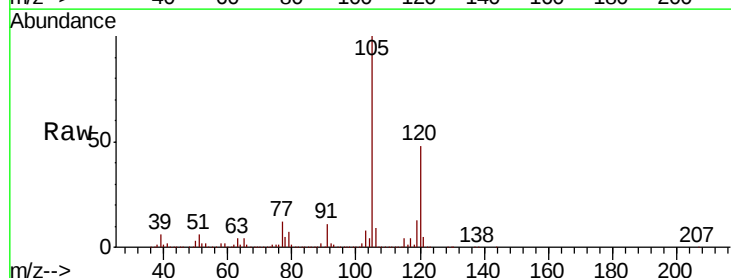
Acq: 18 Jul 2019 18:52

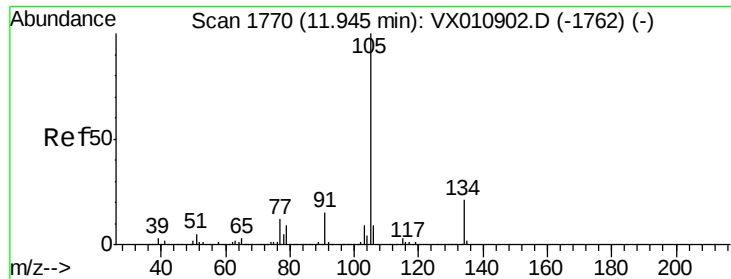
Tgt Ion:105 Resp: 5089470

Ion Ratio Lower Upper

105 100

120 46.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 402.976 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

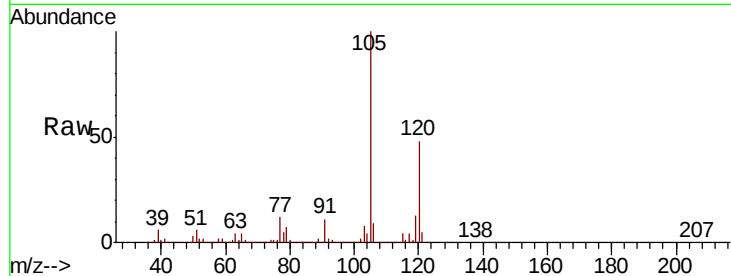
ClientSampleId :

Tot Ion:105 Resp: 5089470

Ion Ratio Lower Upper

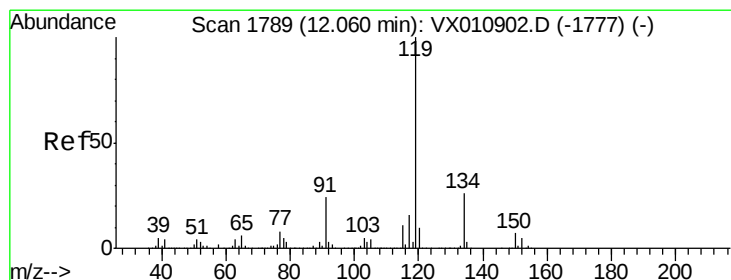
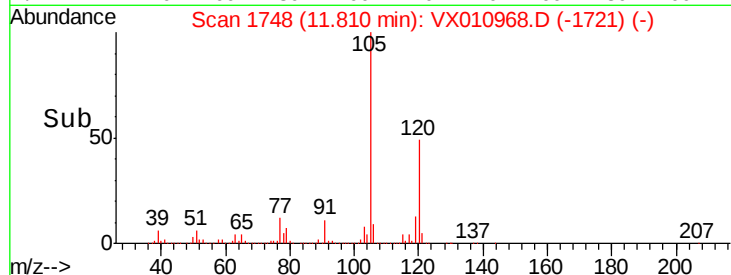
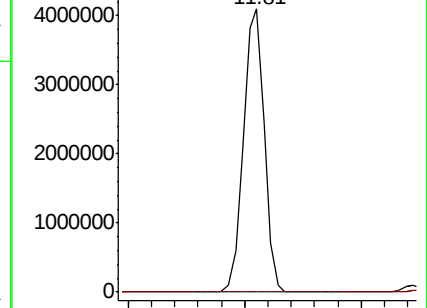
105 100

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



#86

p-Isopropyltoluene

Concen: 10.627 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

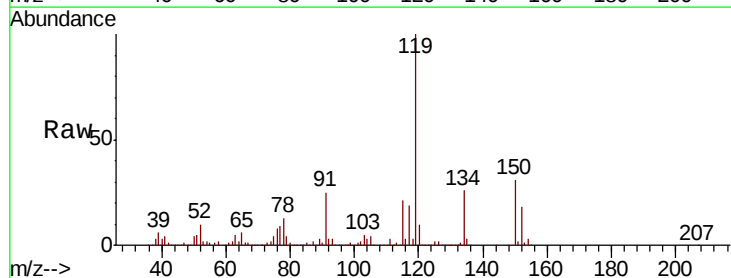
Tgt Ion:119 Resp: 124079

Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.1

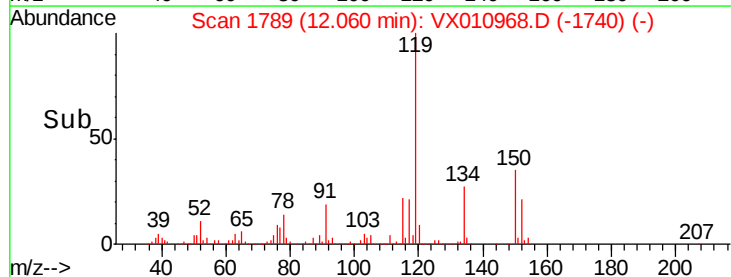
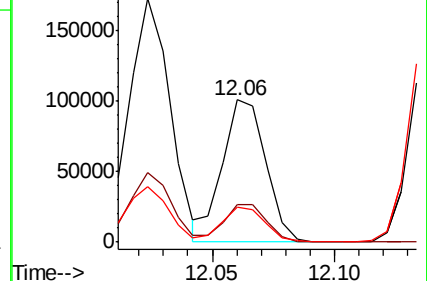
91 24.3 11.8 35.4

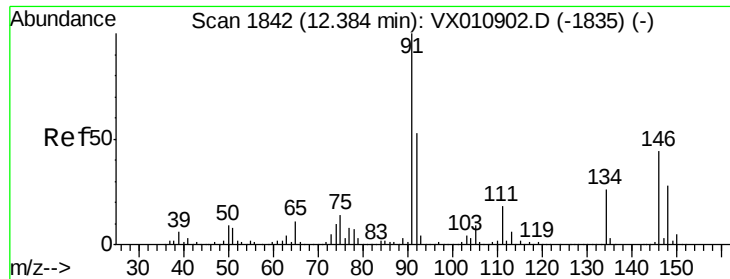


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

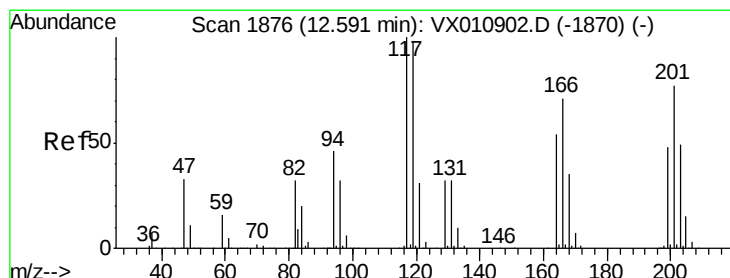
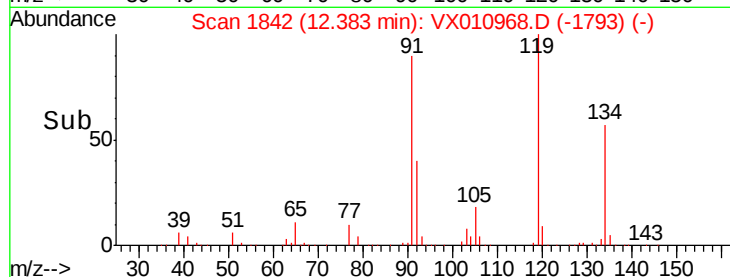
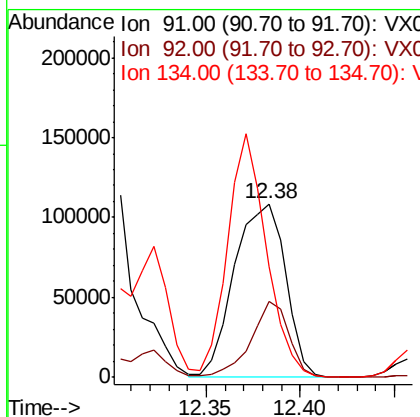
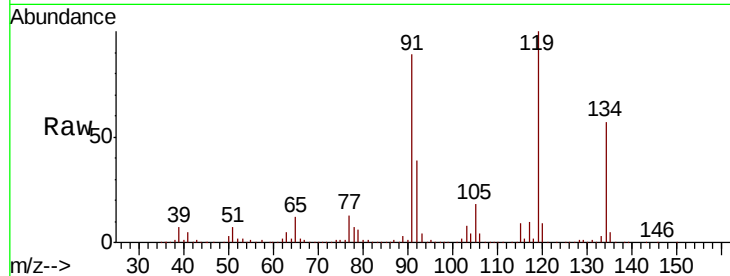




#89
n-Butylbenzene
Concen: 20.441 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

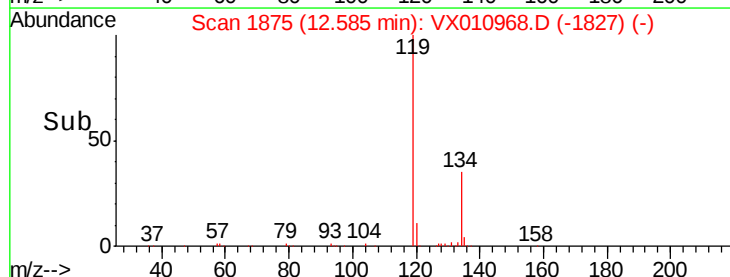
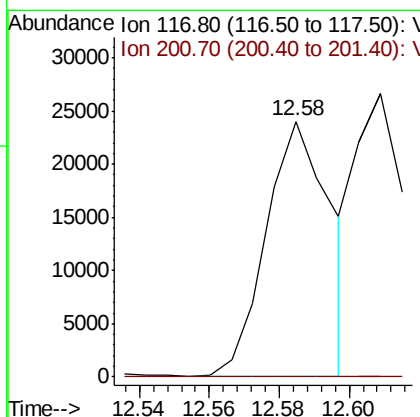
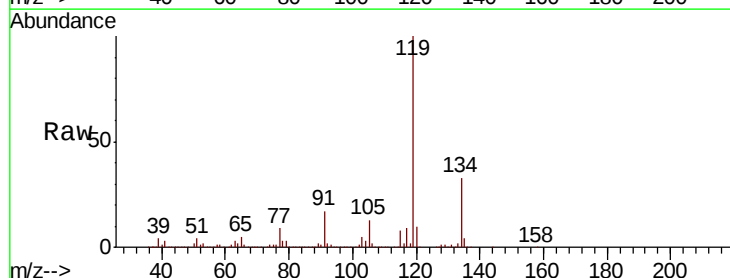
Instrument :
MSVOA_X
ClientSampled :

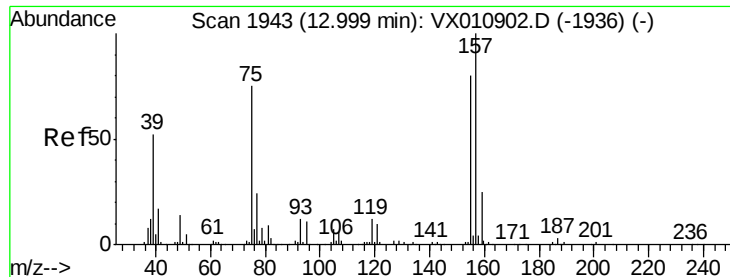
Tot Ion: 91 Resp: 204188
Ion Ratio Lower Upper
91 100
92 32.4 26.2 78.5
134 105.8 13.8 41.3#



#90
Hexachloroethane
Concen: 16.632 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 117 Resp: 30630
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.923 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

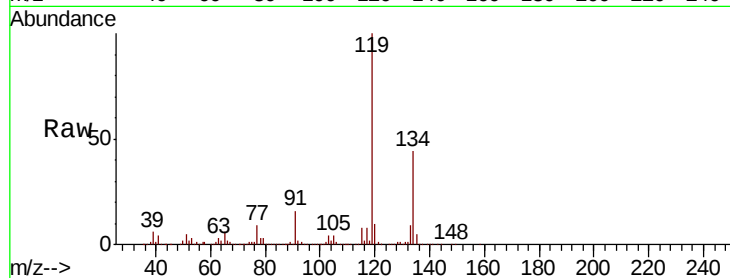
Tot Ion: 75 Resp: 3524

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

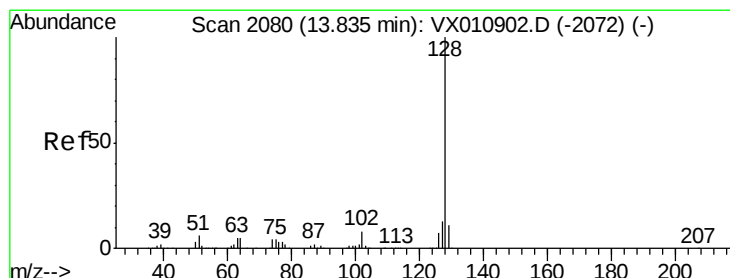
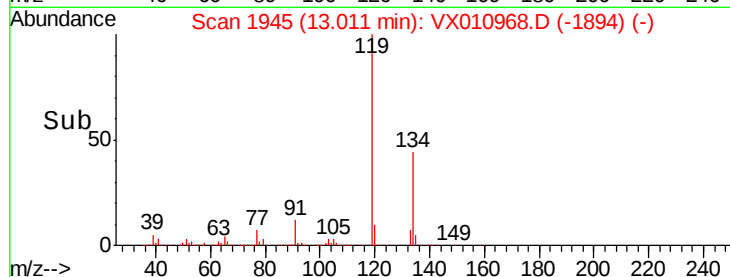
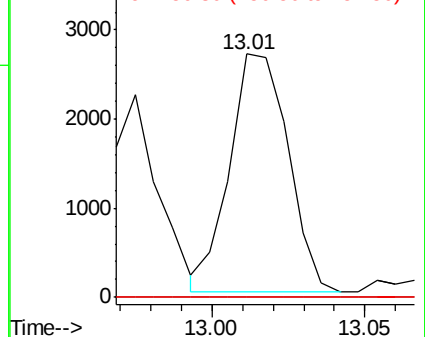
157 0.0 62.5 187.6#



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

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

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



#95

Naphthalene

Concen: 288.880 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

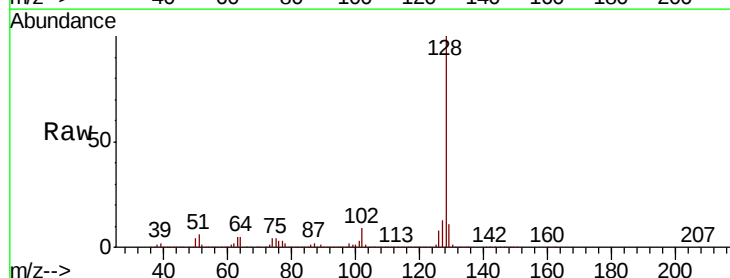
Tgt Ion:128 Resp: 3601787

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): VX010902.D (-2072) (-)

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

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

