

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011587.D
 Acq On : 16 Aug 2019 17:35
 Operator : JC/SP
 Sample : K4392-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

Quant Time: Aug 19 01:11:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	485490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	662849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	577083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290186	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	220088	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.49	113	191116	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
50) Toluene-d8	8.71	98	782051	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	
62) 4-Bromofluorobenzene	11.13	95	288876	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4851	0.979	ug/l #	77
4) Vinyl Chloride	1.40	62	1120	0.250	ug/l	89
5) Bromomethane	1.64	94	1192	0.594	ug/l	84
6) Chloroethane	1.92	64	851	0.402	ug/l	93
8) Diethyl Ether	2.18	74	541	0.254	ug/l #	2
11) Tert butyl alcohol	3.03	59	6294	5.698	ug/l #	71
13) Acrolein	2.29	56	1230	15.627	ug/l #	15
16) Acetone	2.43	43	220149	97.246	ug/l	98
18) Methyl Acetate	2.76	43	2275	0.324	ug/l	96
20) Methylene Chloride	2.85	84	2045	0.430	ug/l #	91
25) 2-Butanone	4.67	43	81259	22.864	ug/l	95
29) Tetrahydrofuran	5.13	42	495	0.212	ug/l #	20
30) Chloroform	5.20	83	28489	3.482	ug/l	93
31) Cyclohexane	5.57	56	593907	88.965	ug/l	97
36) 1,1-Dichloropropene	5.66	75	27066	4.776	ug/l #	50
37) Ethyl Acetate	4.67	43	81259	12.466	ug/l #	68
38) Carbon Tetrachloride	5.65	117	40487	6.484	ug/l #	16
39) Methylcyclohexane	7.46	83	2679614	382.874	ug/l	98
40) Benzene	6.13	78	10667	0.606	ug/l	99
43) Isopropyl Acetate	6.45	43	37205	3.657	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	22218	5.059	ug/l #	1
47) Bromodichloromethane	7.85	83	14058	2.399	ug/l #	1
48) Methyl methacrylate	7.73	41	75840	15.054	ug/l #	49
49) 1,4-Dioxane	7.74	88	505	3.769	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	169218	25.414	ug/l #	38
52) Toluene	8.78	92	22487	2.004	ug/l	95
55) 1,1,2-Trichloroethane	9.16	97	514970	107.929	ug/l #	19
56) Ethyl methacrylate	9.16	69	105427	15.202	ug/l #	3
59) 2-Hexanone	9.49	43	23237	4.525	ug/l	87
60) Dibromochloromethane	9.55	129	2393	0.481	ug/l #	1
61) 1,2-Dibromoethane	9.68	107	1133	0.222	ug/l #	1
67) Ethyl Benzene	10.25	91	723229	35.207	ug/l	98
68) m/p-Xylenes	10.36	106	1399265	177.457	ug/l	98
69) o-Xylene	10.69	106	125289	16.221	ug/l	90

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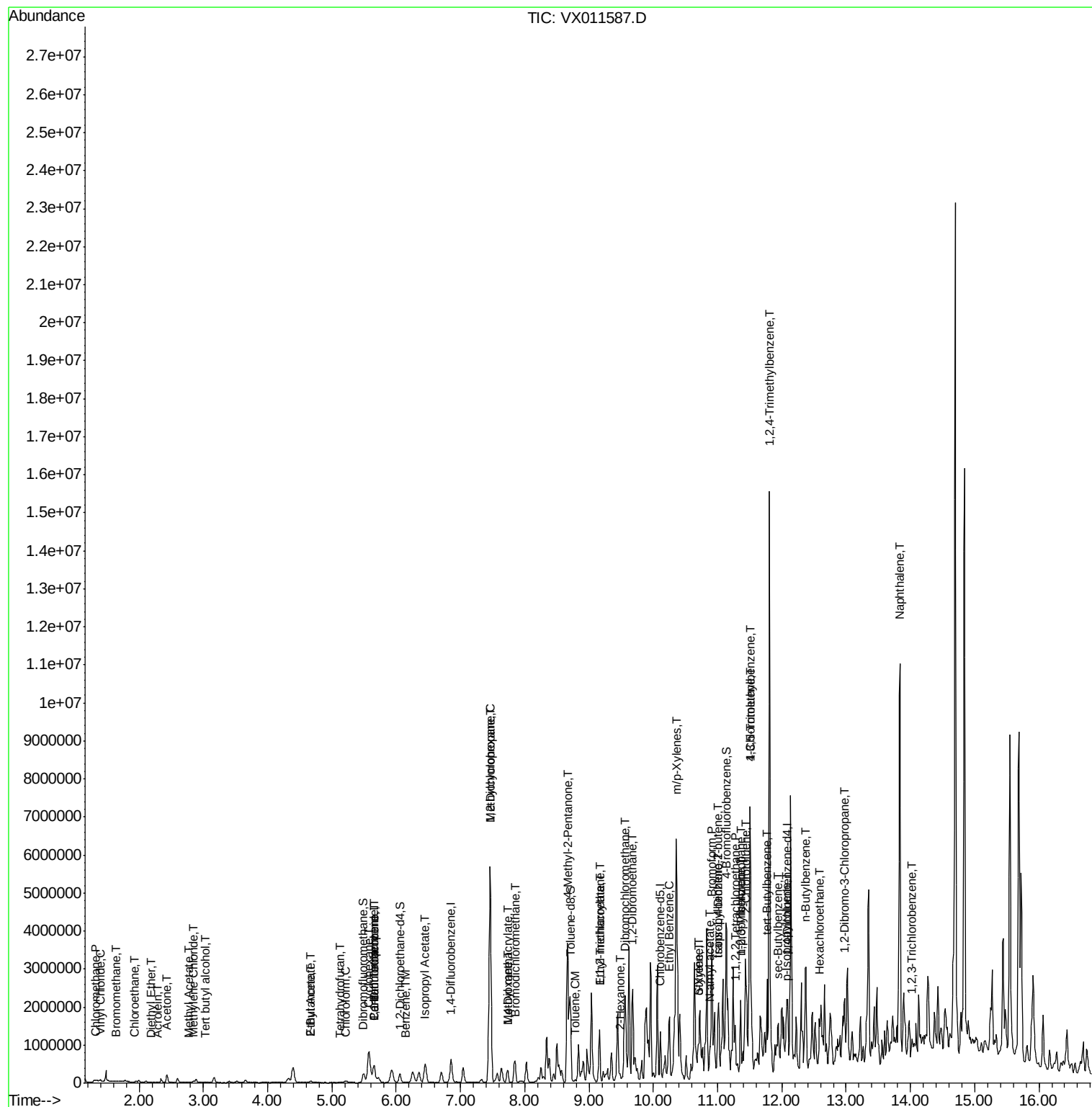
70) Styrene	10.69	104	6591	0.507	ug/l #	1
71) Bromoform	10.90	173	78	3.308	ug/l #	28
73) Isopropylbenzene	11.02	105	821443	43.625	ug/l	100
74) N-amyl acetate	10.88	43	131249	16.402	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.27	83	66050	10.197	ug/l #	26
76) 1,2,3-Trichloropropane	11.35	75	6327	1.150	ug/l #	1
78) n-propylbenzene	11.36	91	1136296	55.964	ug/l	99
79) 2-Chlorotoluene	11.43	91	240941	19.325	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	2853577	180.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	8550	8.317	ug/l #	1
82) 4-Chlorotoluene	11.51	91	290839	20.107	ug/l #	42
83) tert-Butylbenzene	11.77	119	83240	5.167	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	6730554	423.846	ug/l	96
85) sec-Butylbenzene	11.94	105	258261	14.209	ug/l	94
86) p-Isopropyltoluene	12.06	119	186152	10.887	ug/l	97
89) n-Butylbenzene	12.37	91	276534	19.671	ug/l #	10
90) Hexachloroethane	12.58	117	49213	18.225	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.97	75	4922	3.321	ug/l #	1
95) Naphthalene	13.83	128	6482992	318.400	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	6135	0.845	ug/l #	1

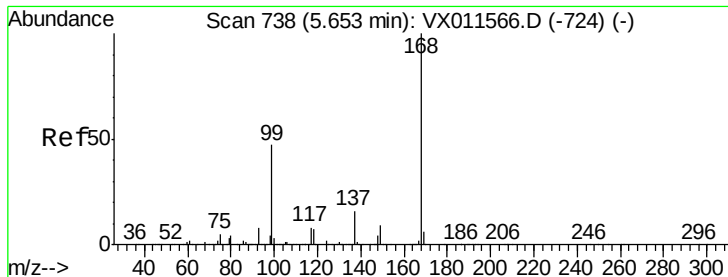
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

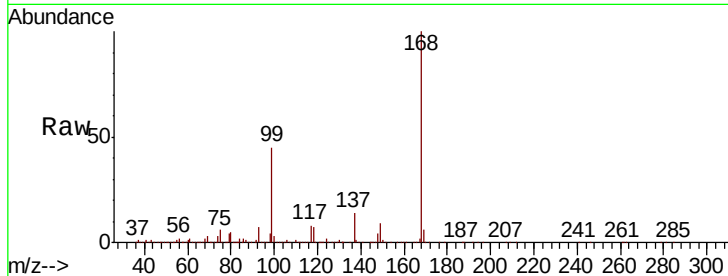
GW-1

Tgt Ion:168 Resp: 485490

Ion Ratio Lower Upper

168 100

99 45.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

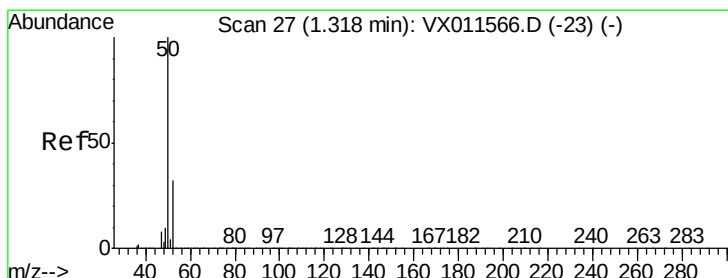
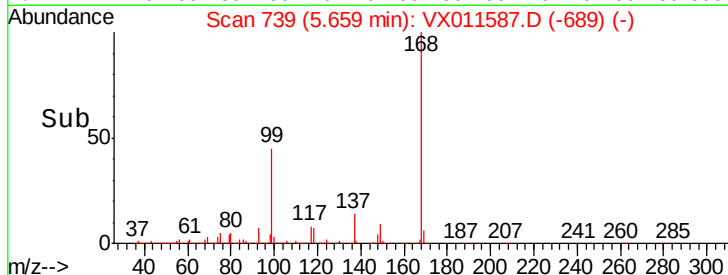
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.979 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011587.D

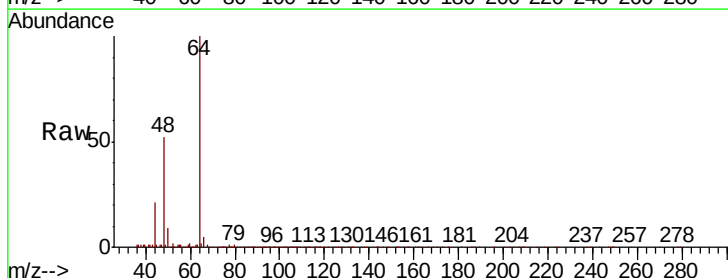
Acq: 16 Aug 2019 17:35

Tgt Ion: 50 Resp: 4851

Ion Ratio Lower Upper

50 100

52 19.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

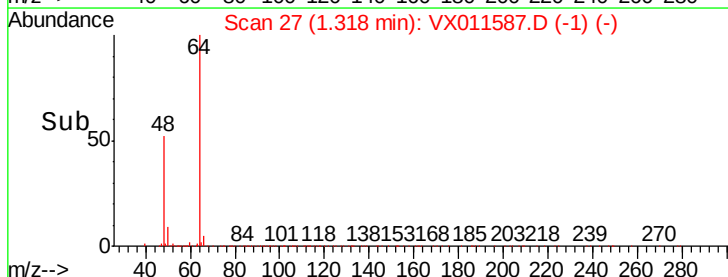
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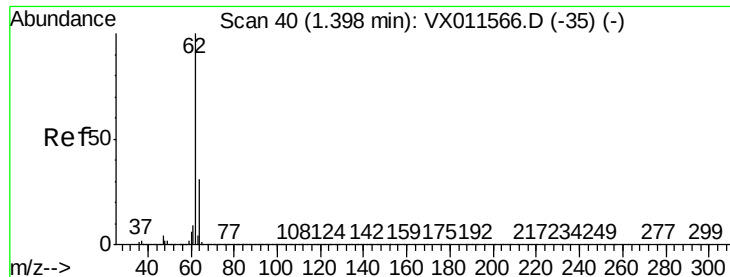
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.250 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

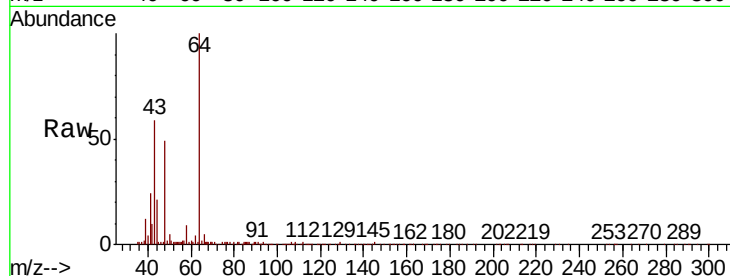
GW-1

Tgt Ion: 62 Resp: 1120

Ion Ratio Lower Upper

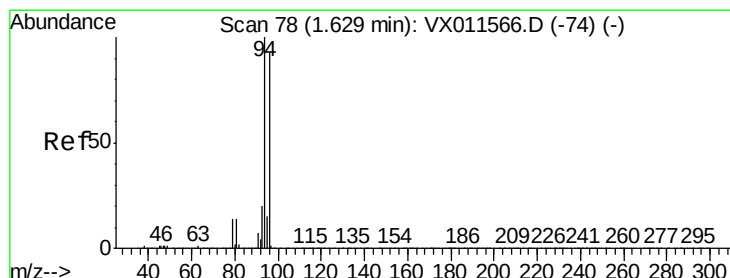
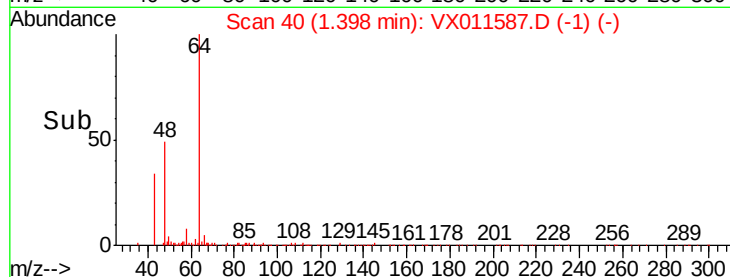
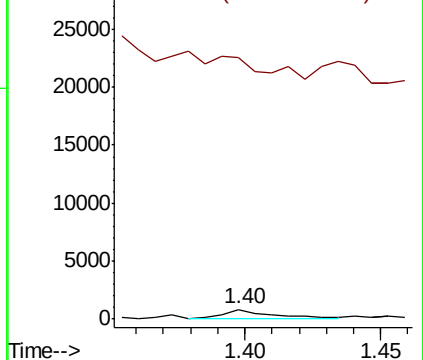
62 100

64 37.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.594 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011587.D

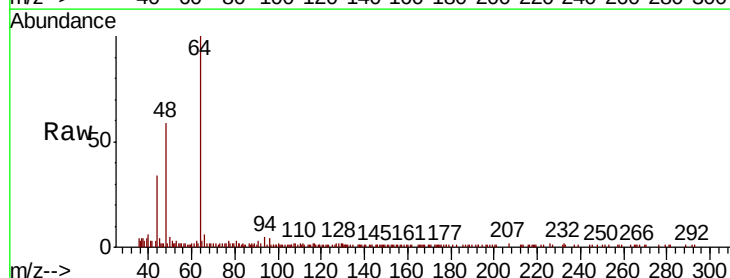
Acq: 16 Aug 2019 17:35

Tgt Ion: 94 Resp: 1192

Ion Ratio Lower Upper

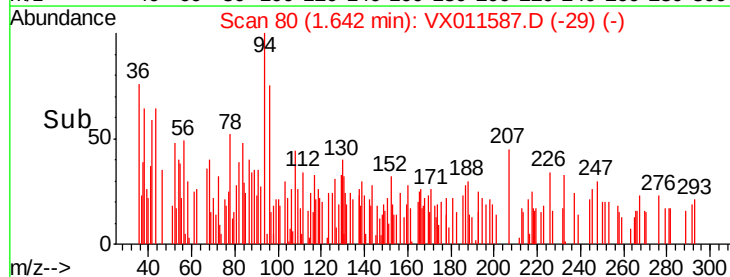
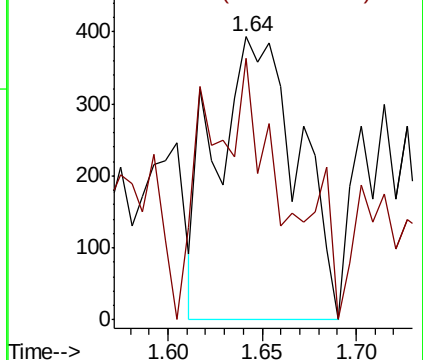
94 100

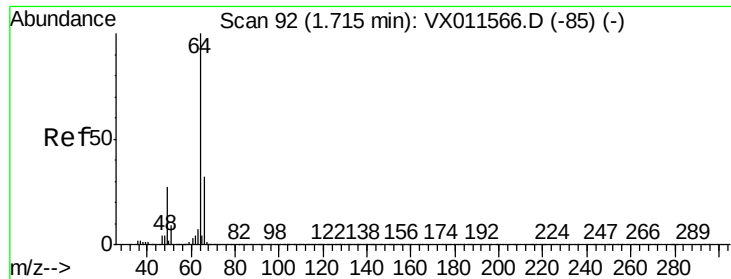
96 78.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.402 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.21 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

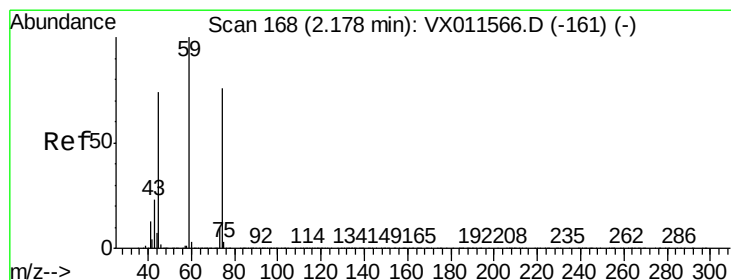
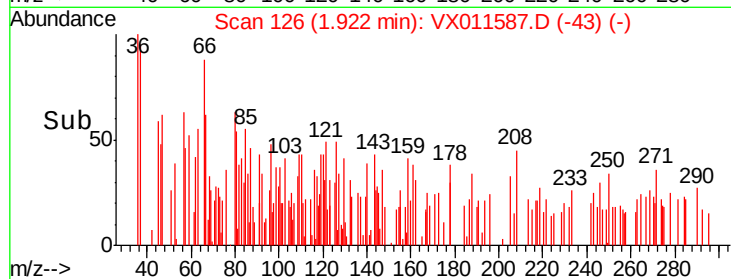
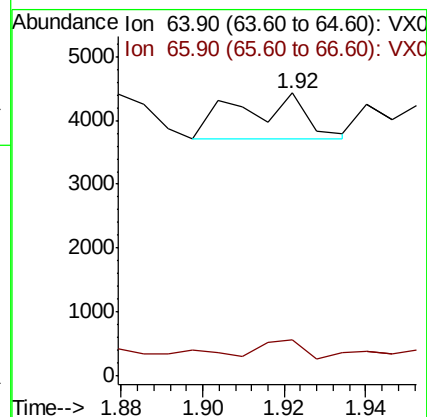
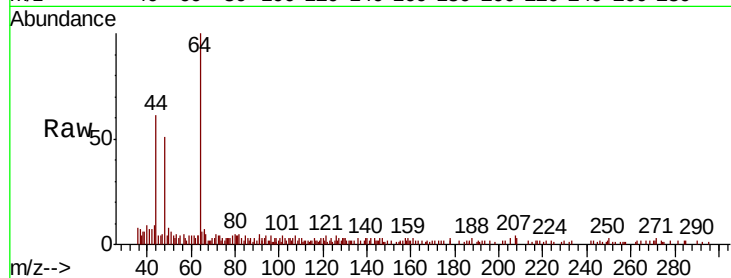
GW-1

Tgt Ion: 64 Resp: 851

Ion Ratio Lower Upper

64 100

66 27.7 25.3 37.9



#8

Diethyl Ether

Concen: 0.254 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011587.D

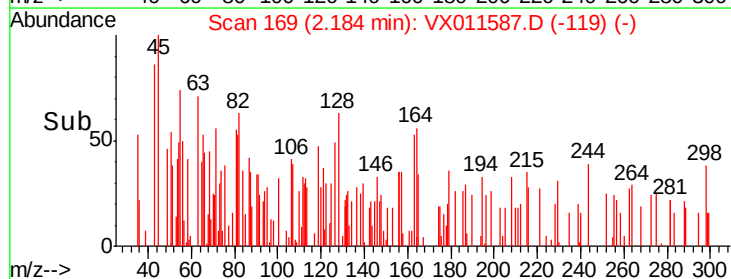
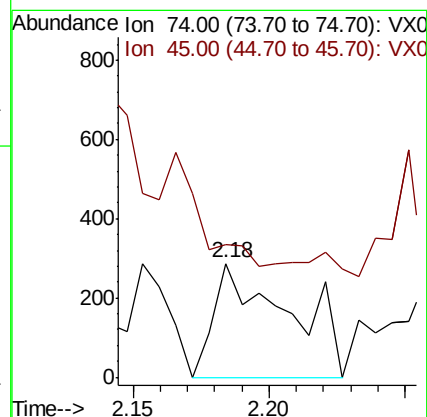
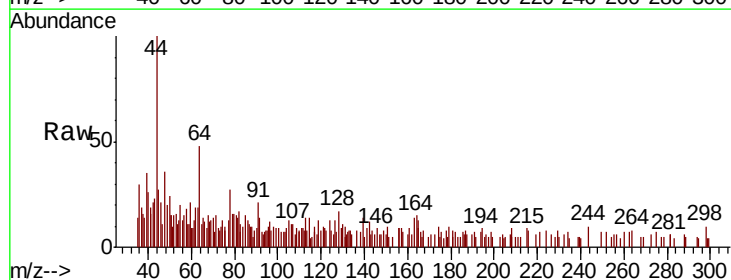
Acq: 16 Aug 2019 17:35

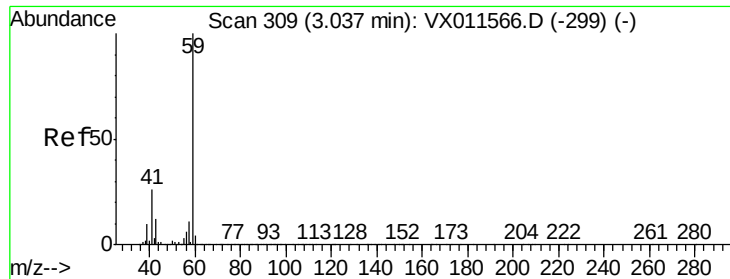
Tgt Ion: 74 Resp: 541

Ion Ratio Lower Upper

74 100

45 0.0 48.2 144.6#

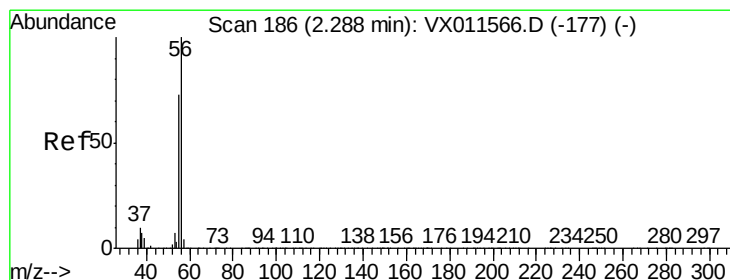
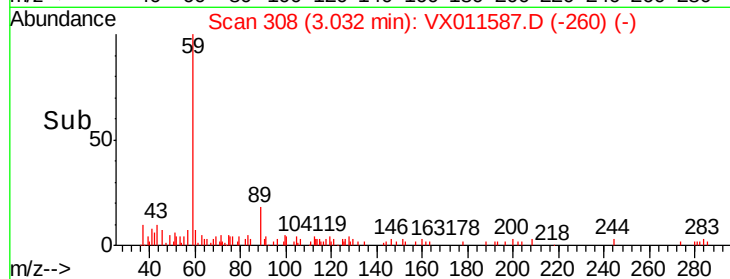
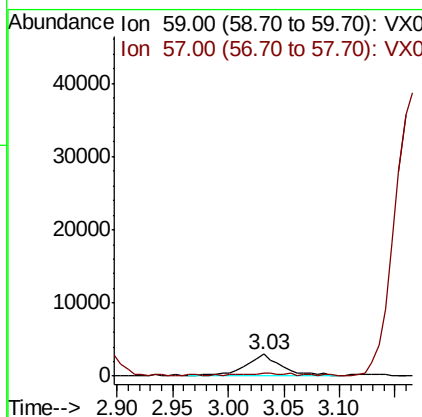
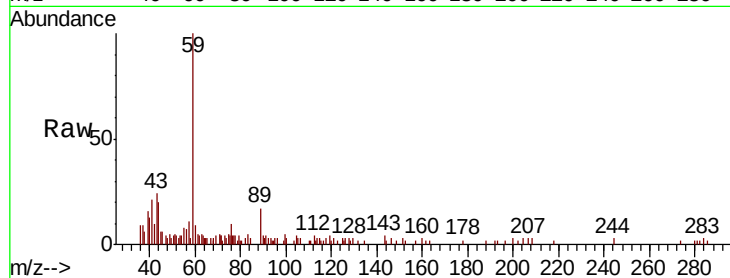




#11
Tert butyl alcohol
Concen: 5.698 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

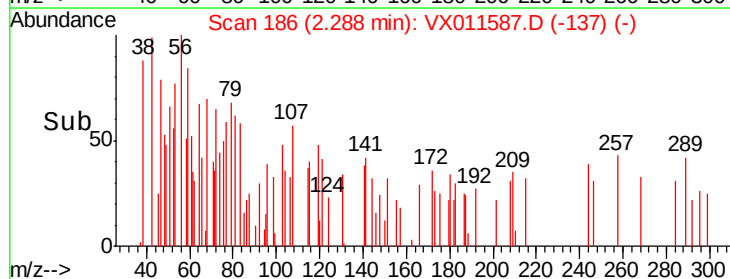
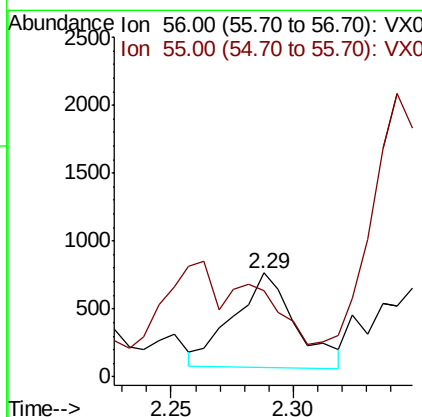
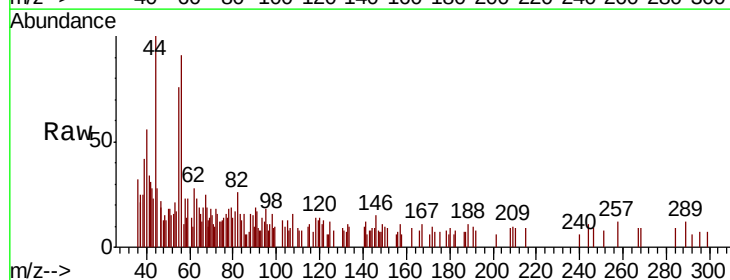
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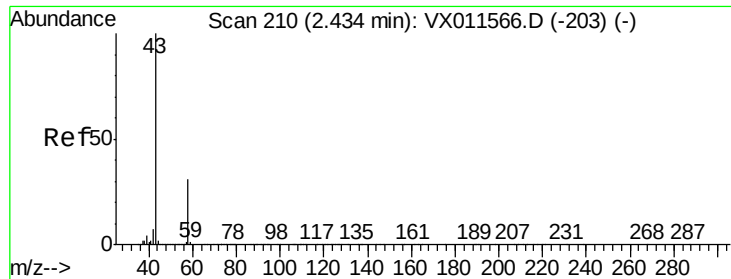
Tgt Ion: 59 Resp: 6294
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 15.627 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion: 56 Resp: 1230
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#16

Acetone

Concen: 97.246 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

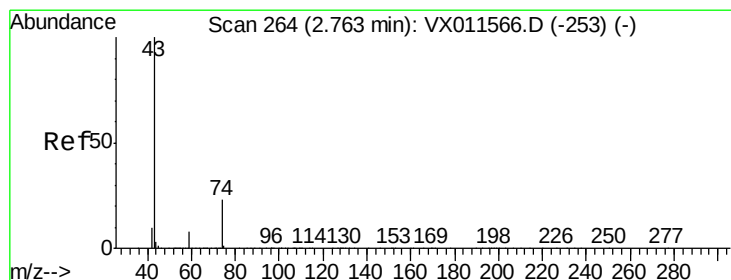
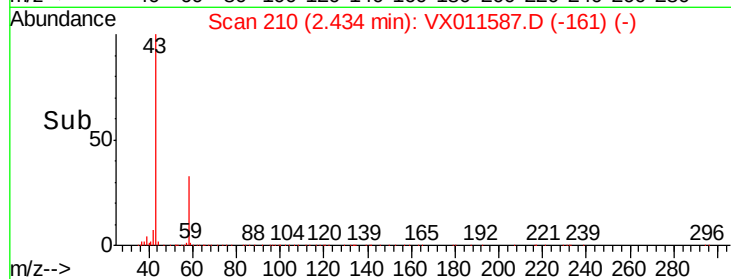
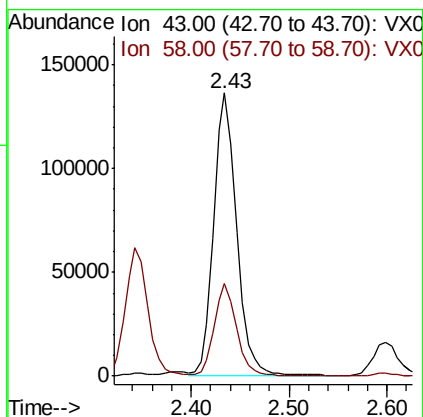
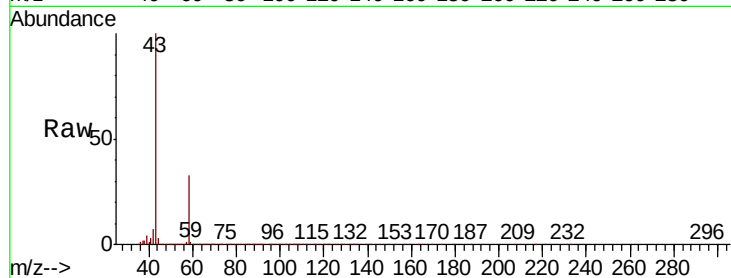
GW-1

Tgt Ion: 43 Resp: 220149

Ion Ratio Lower Upper

43 100

58 32.8 25.2 37.8



#18

Methyl Acetate

Concen: 0.324 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011587.D

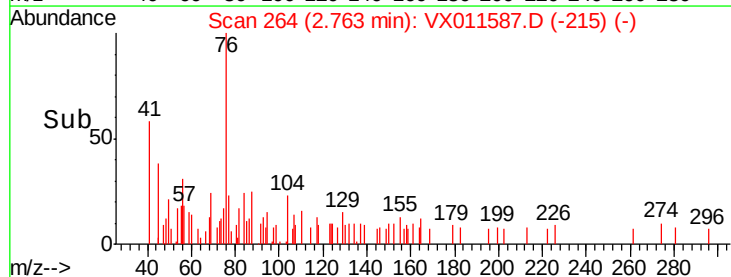
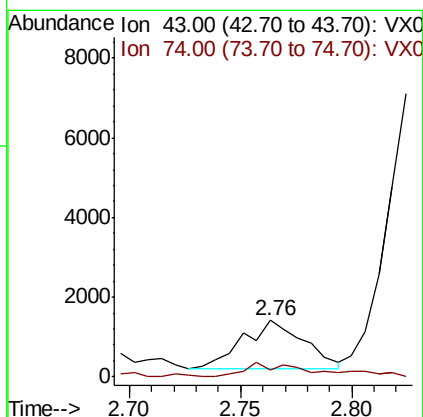
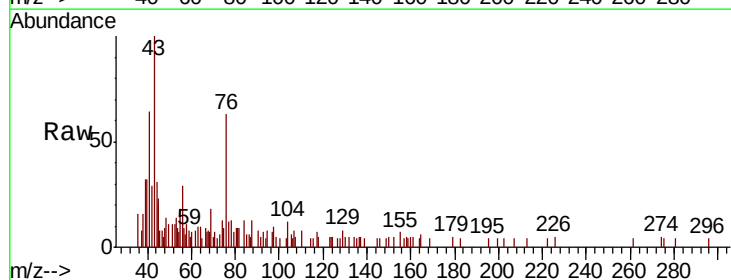
Acq: 16 Aug 2019 17:35

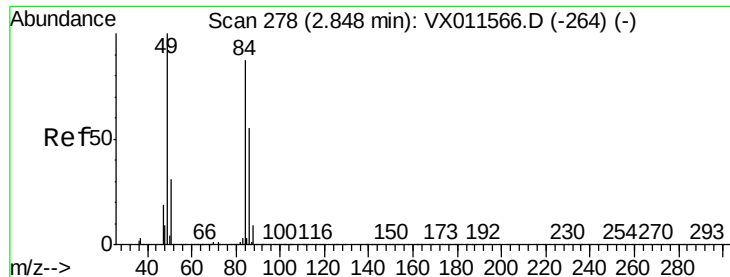
Tgt Ion: 43 Resp: 2275

Ion Ratio Lower Upper

43 100

74 26.6 19.7 29.5

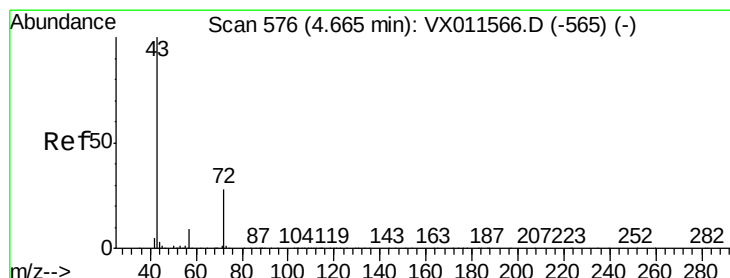
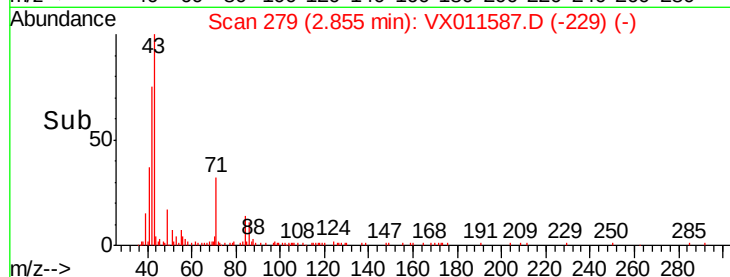
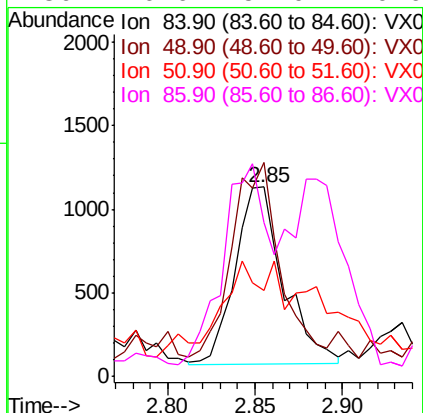
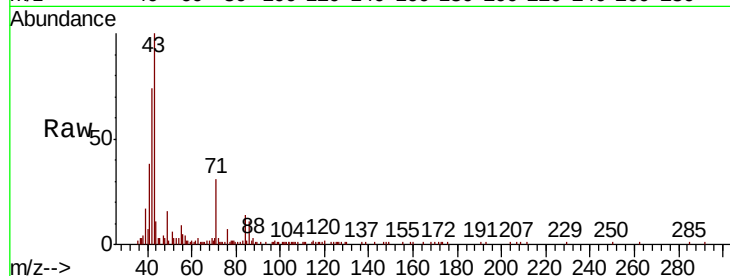




#20
Methylene Chloride
Concen: 0.430 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

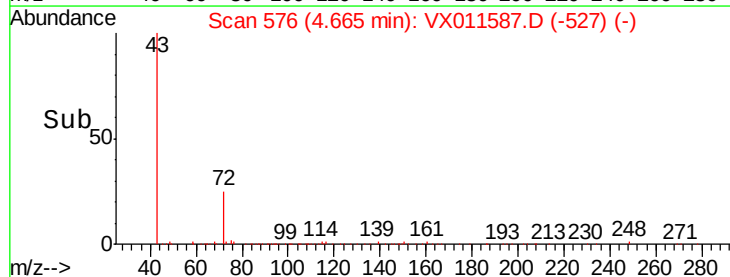
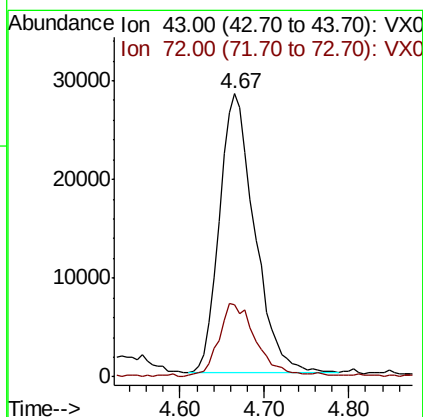
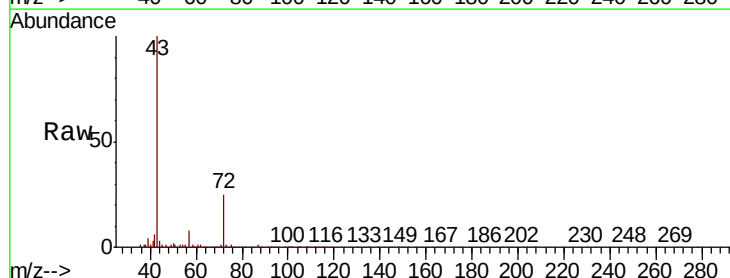
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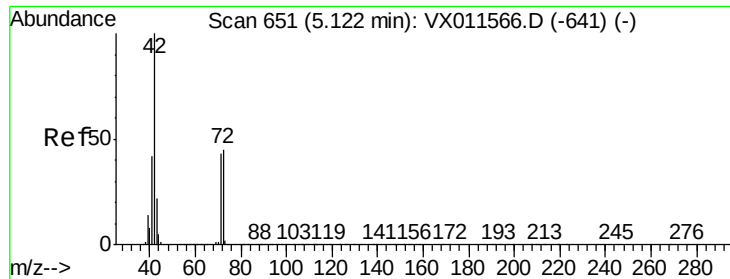
Tgt Ion:	84	Resp:	2045
Ion	Ratio	Lower	Upper
84	100		
49	110.9	92.4	138.6
51	30.1	28.5	42.7
86	76.6	51.0	76.6#



#25
2-Butanone
Concen: 22.864 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion:	43	Resp:	81259
Ion	Ratio	Lower	Upper
43	100		
72	25.1	22.2	33.4





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

GW-1

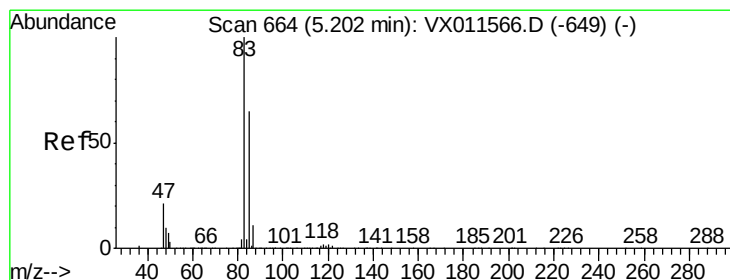
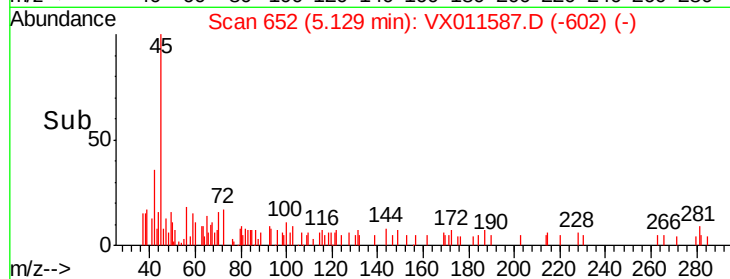
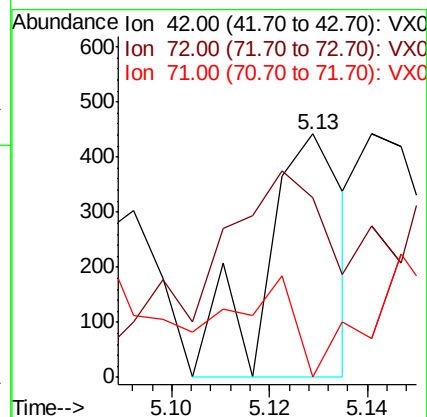
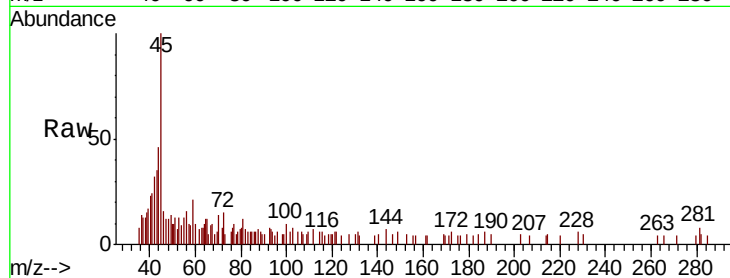
Tgt Ion: 42 Resp: 495

Ion Ratio Lower Upper

42 100

72 105.1 36.1 54.1#

71 0.0 33.8 50.8#



#30

Chloroform

Concen: 3.482 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011587.D

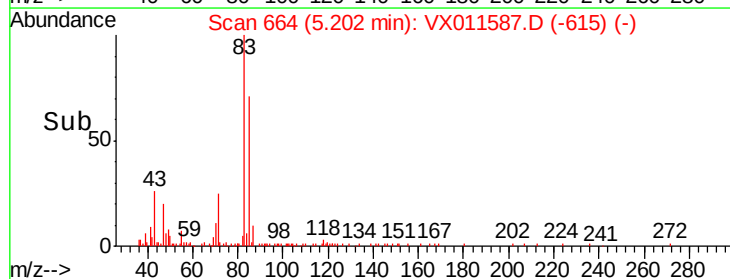
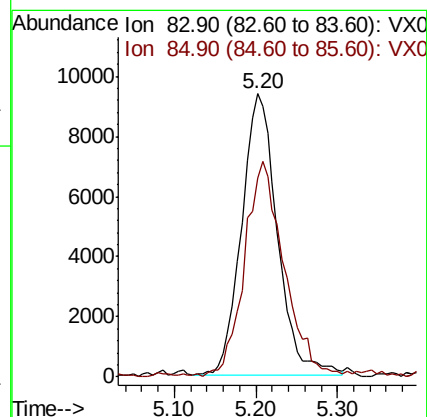
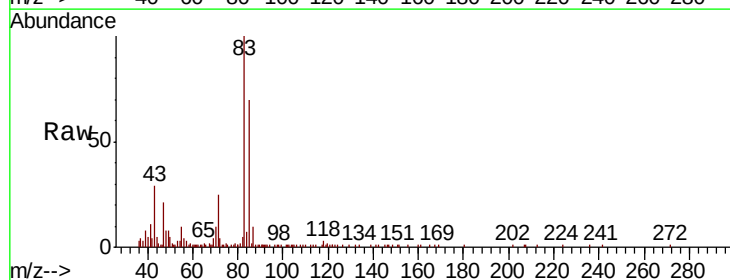
Acq: 16 Aug 2019 17:35

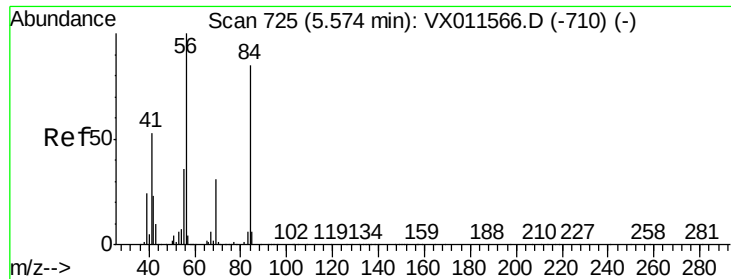
Tgt Ion: 83 Resp: 28489

Ion Ratio Lower Upper

83 100

85 70.4 51.9 77.9

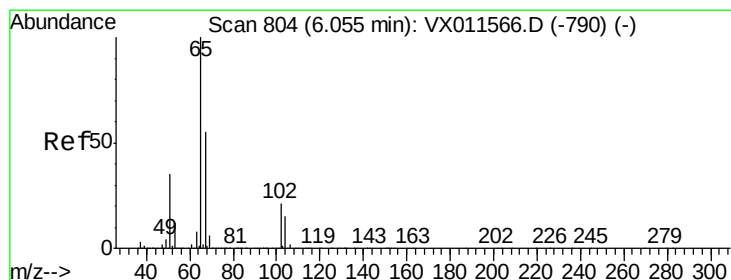
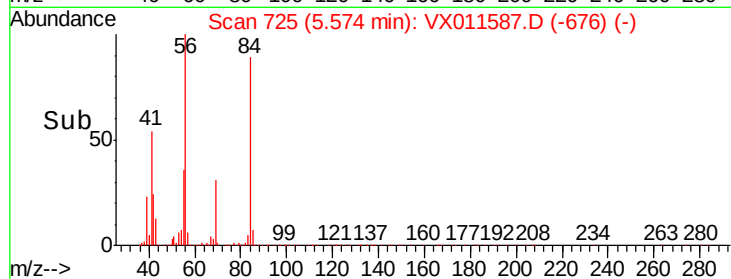
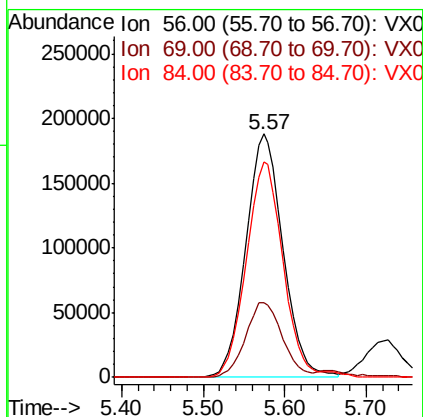
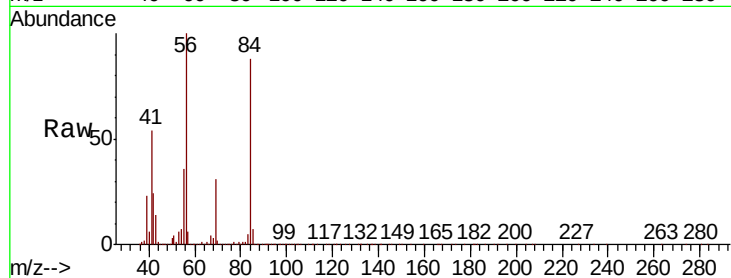




#31
Cyclohexane
Concen: 88.965 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

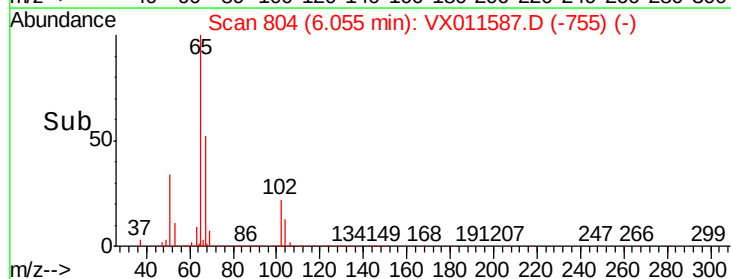
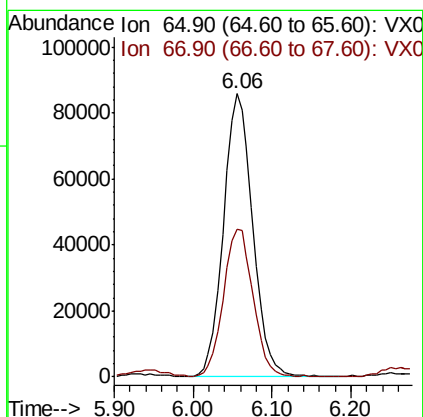
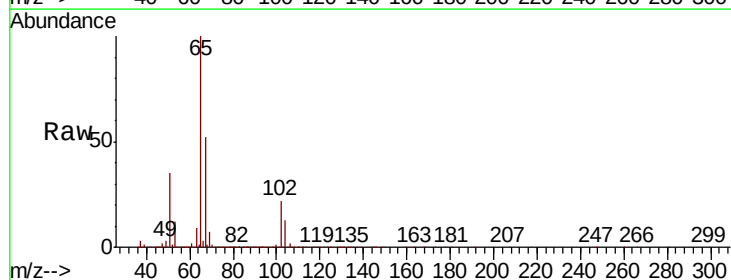
Instrument :
MSVOA_X
ClientSampleId :
GW-1

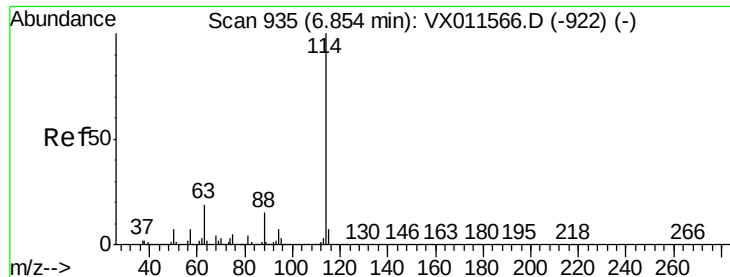
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.8	37.2
84	88.5	67.9	101.9



#33
1,2-Dichloroethane-d4
Concen: 48.884 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.6

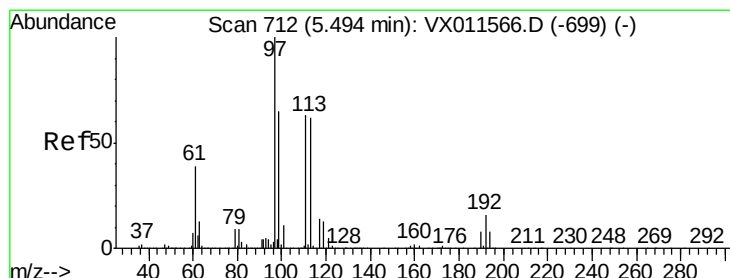
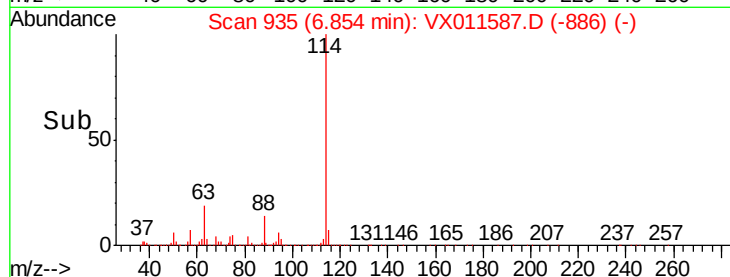
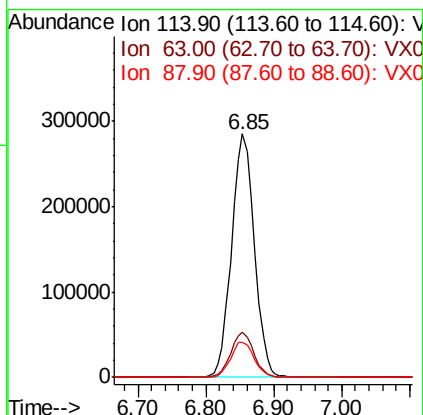
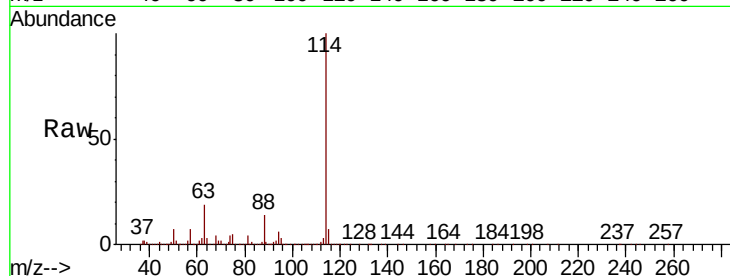




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

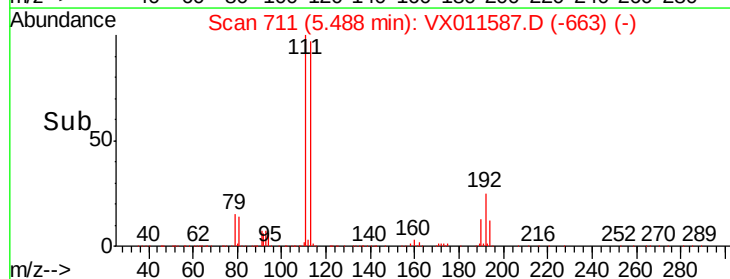
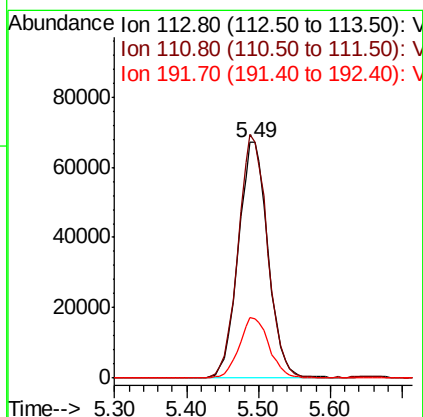
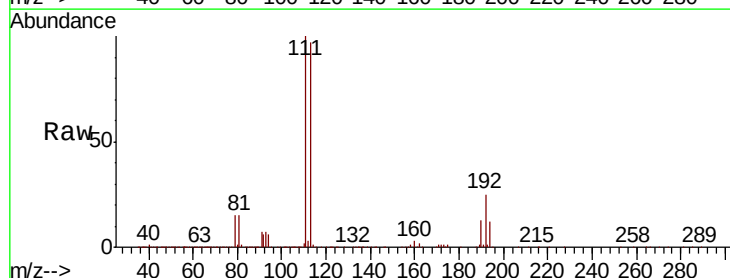
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

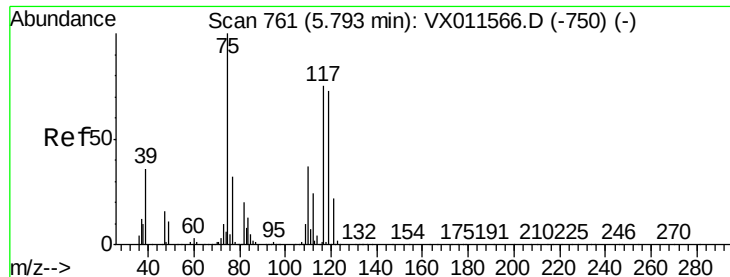
Tgt Ion:	114	Resp:	662849
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.8
88	14.4	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 44.082 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

Tgt Ion:	113	Resp:	191116
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	25.9	20.8	31.2

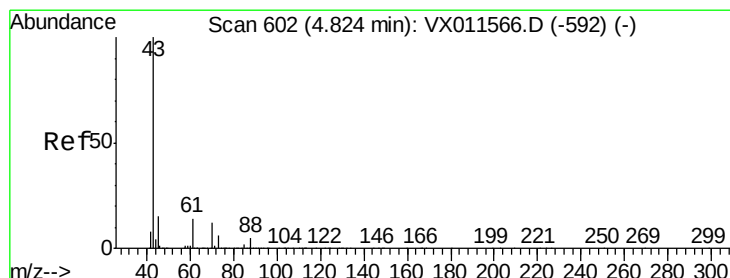
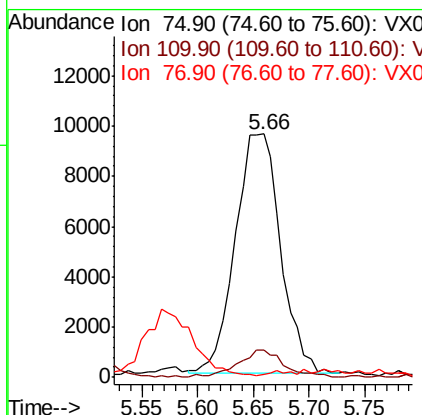
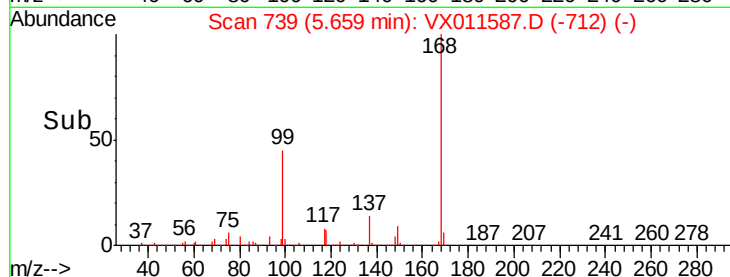
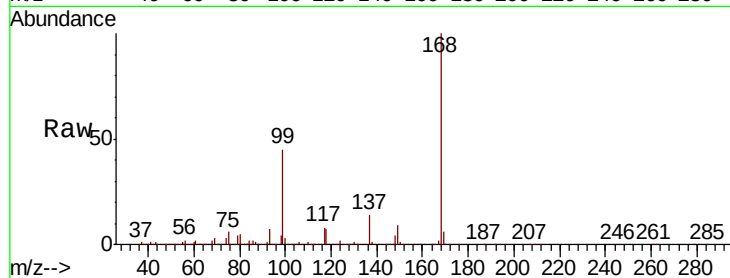




#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

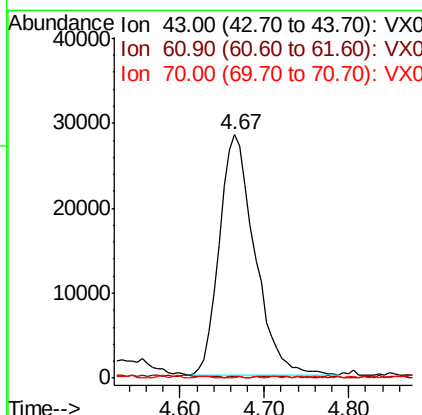
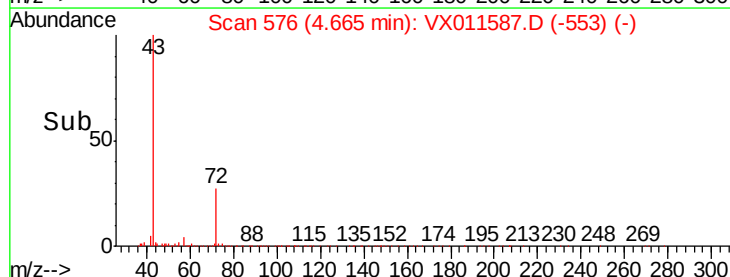
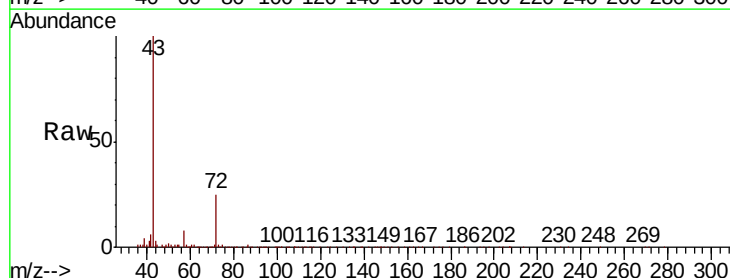
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

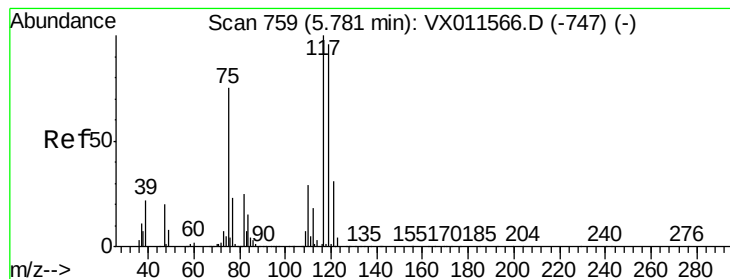
Tgt Ion: 75 Resp: 27066
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.4 58.1#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 12.466 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.16 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

Tgt Ion: 43 Resp: 81259
 Ion Ratio Lower Upper
 43 100
 61 0.1 11.4 17.0#
 70 0.1 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 6.484 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

GW-1

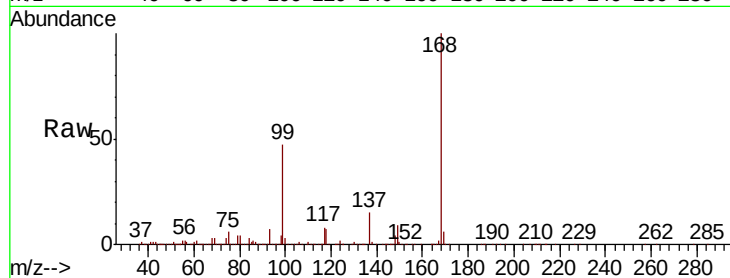
Tgt Ion: 117 Resp: 40487

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

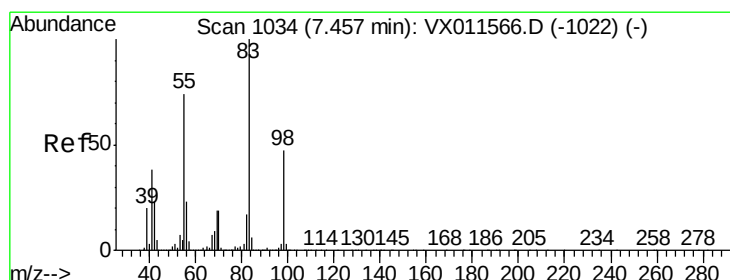
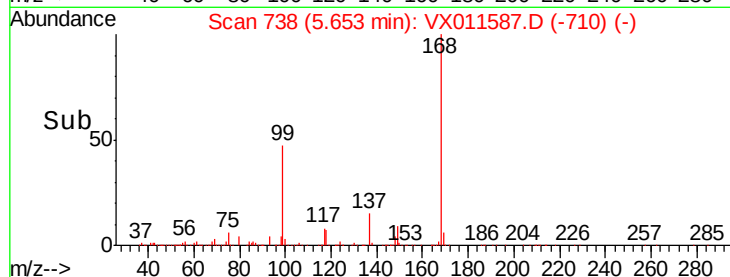
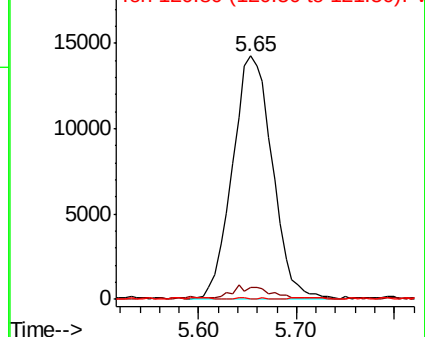
121 0.6 24.8 37.2#



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: 382.874 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

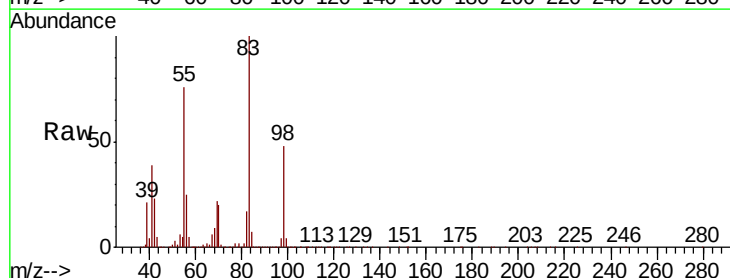
Tgt Ion: 83 Resp: 2679614

Ion Ratio Lower Upper

83 100

55 75.8 58.8 88.2

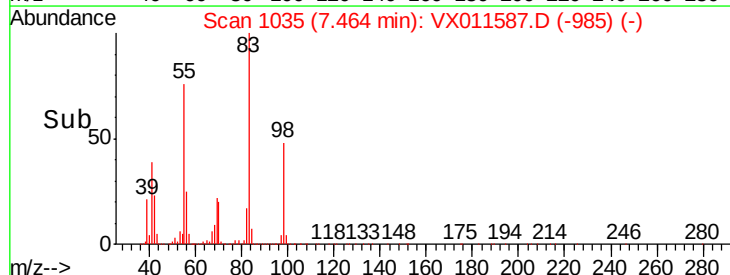
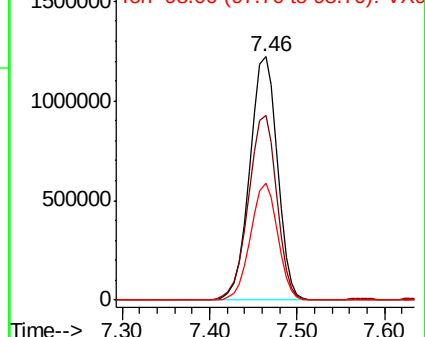
98 48.0 37.8 56.6

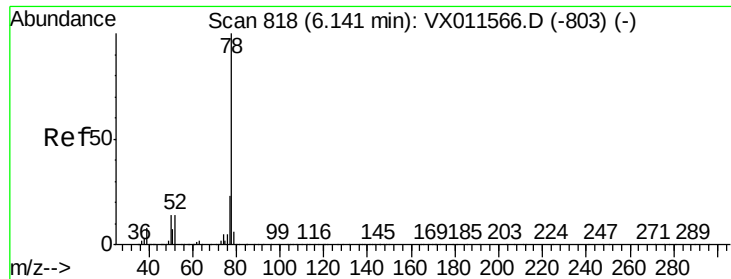


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.606 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

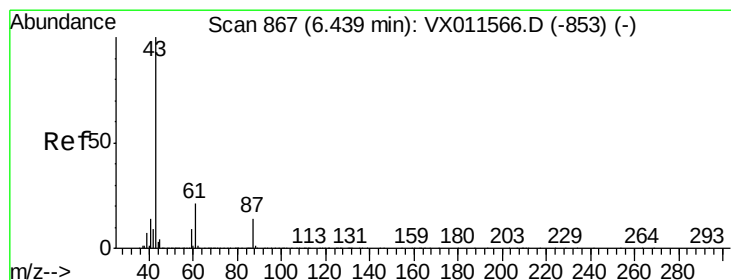
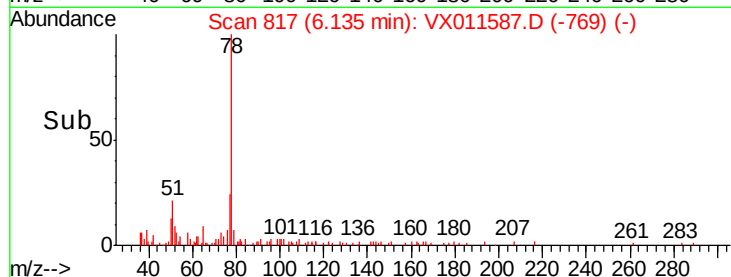
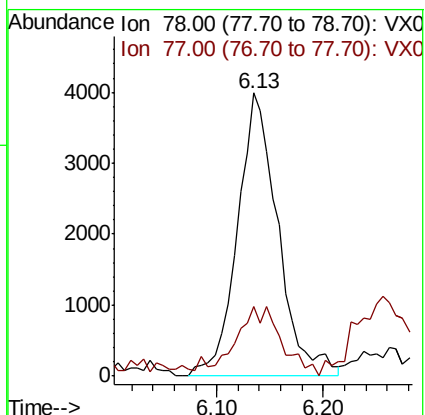
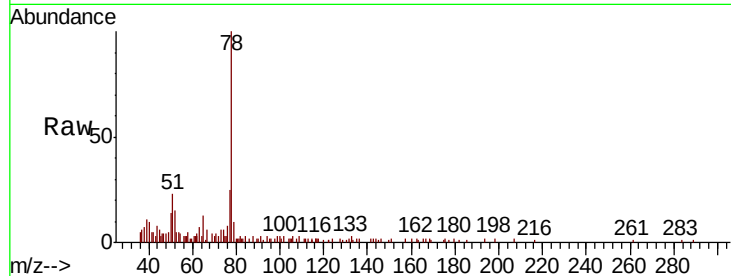
GW-1

Tgt Ion: 78 Resp: 10667

Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0



#43

Isopropyl Acetate

Concen: 3.657 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

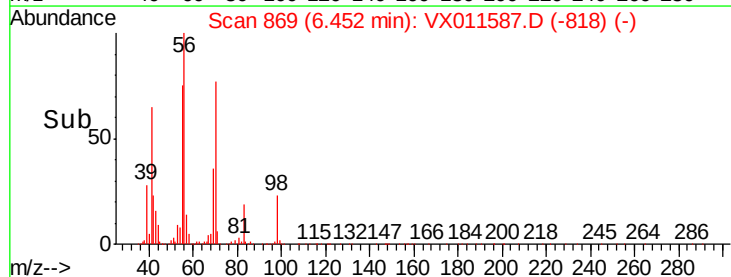
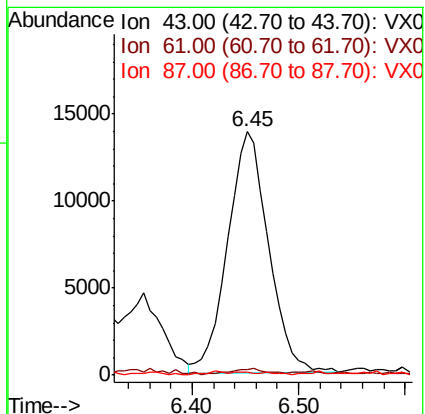
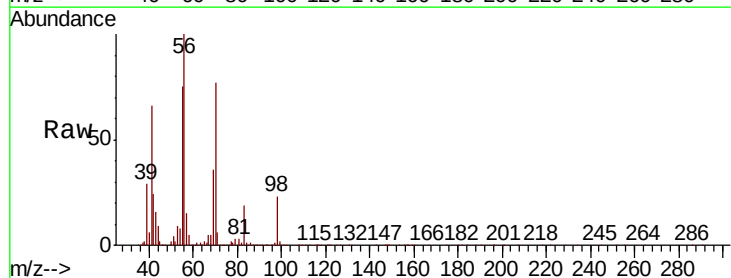
Tgt Ion: 43 Resp: 37205

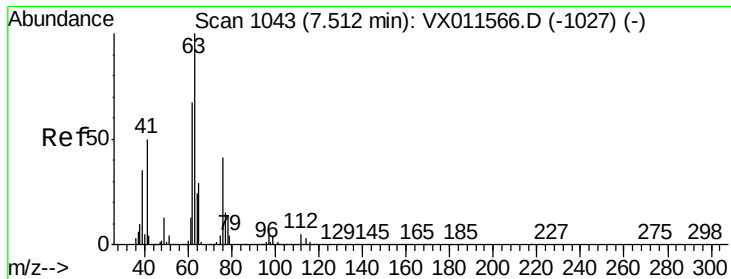
Ion Ratio Lower Upper

43 100

61 2.7 16.6 24.8#

87 0.0 11.4 17.2#





#45

1,2-Dichloropropane

Concen: 5.059 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

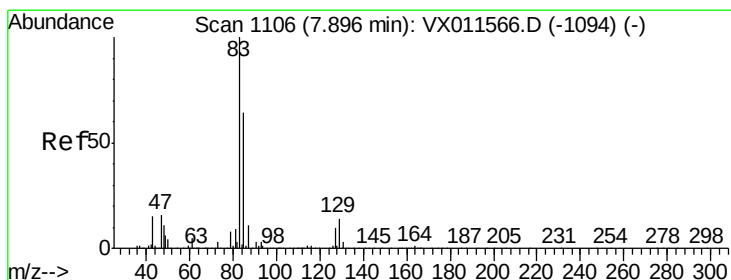
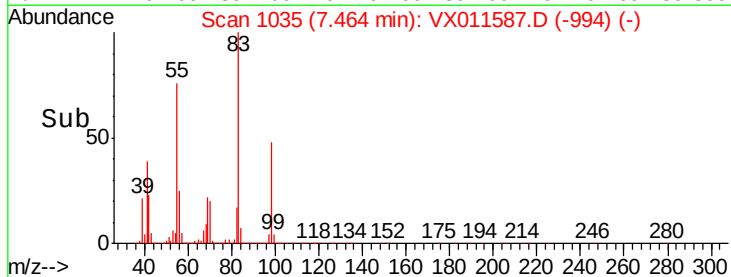
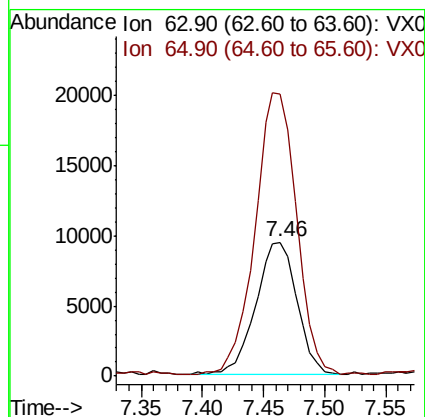
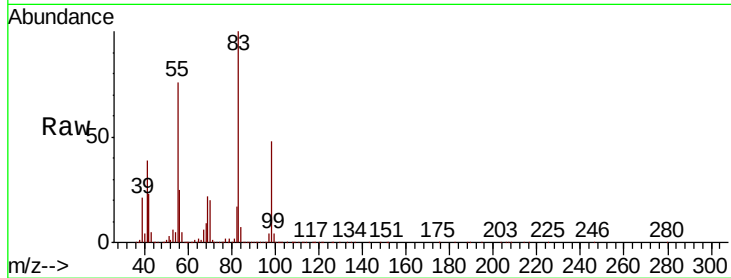
GW-1

Tgt Ion: 63 Resp: 22218

Ion Ratio Lower Upper

63 100

65 211.7 23.4 35.2#



#47

Bromodichloromethane

Concen: 2.399 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

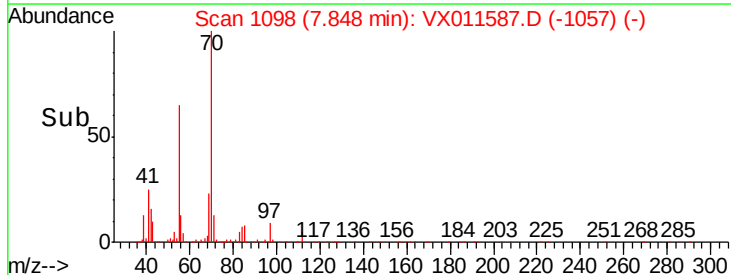
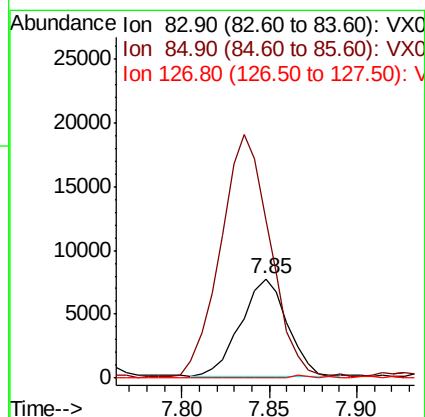
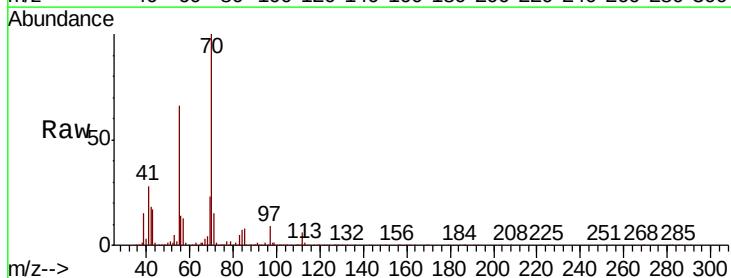
Tgt Ion: 83 Resp: 14058

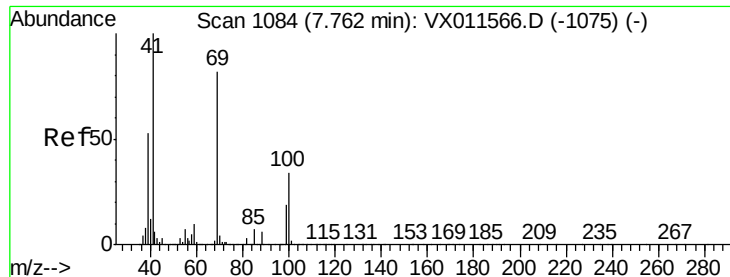
Ion Ratio Lower Upper

83 100

85 157.6 51.2 76.8#

127 1.0 8.1 12.1#





#48

Methyl methacrylate

Concen: 15.054 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.03 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

GW-1

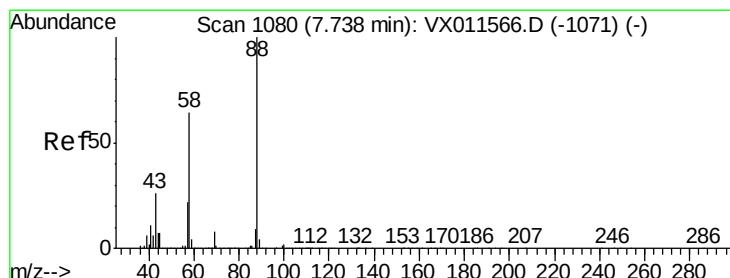
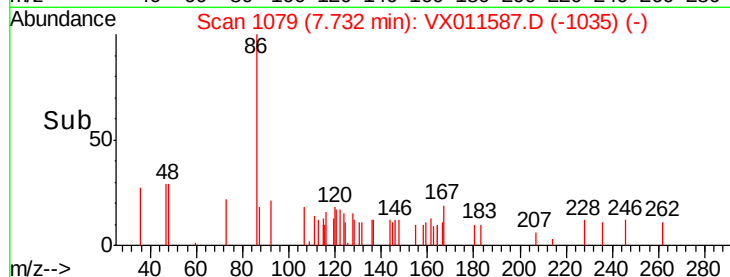
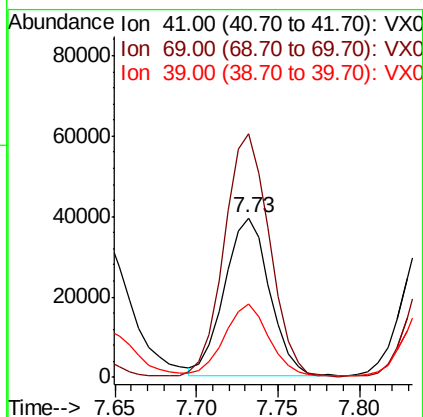
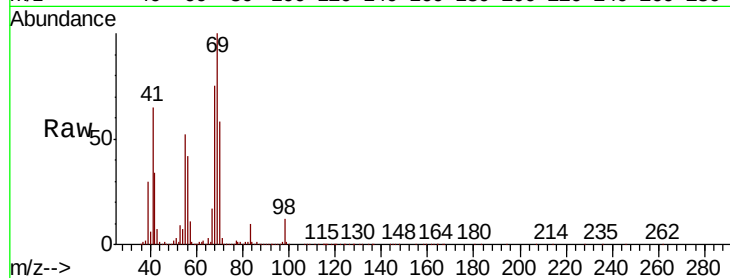
Tgt Ion: 41 Resp: 75840

Ion Ratio Lower Upper

41 100

69 154.5 67.9 101.9#

39 45.0 41.6 62.4



#49

1,4-Dioxane

Concen: 3.769 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

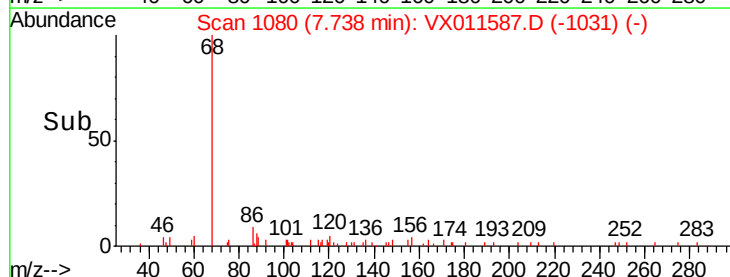
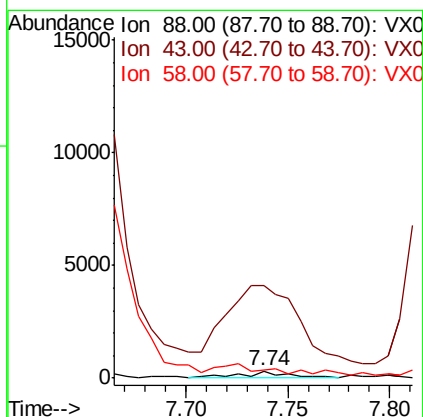
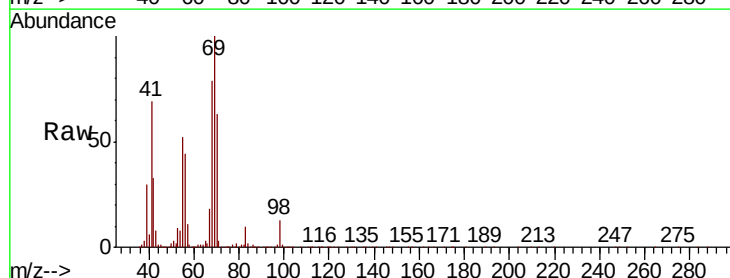
Tgt Ion: 88 Resp: 505

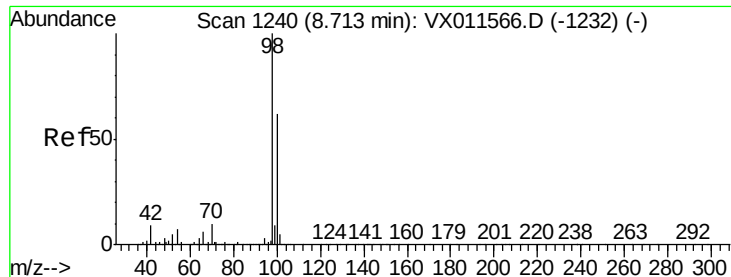
Ion Ratio Lower Upper

88 100

43 1713.7 23.4 35.0#

58 0.0 54.3 81.5#





#50

Toluene-d8

Concen: 57.892 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

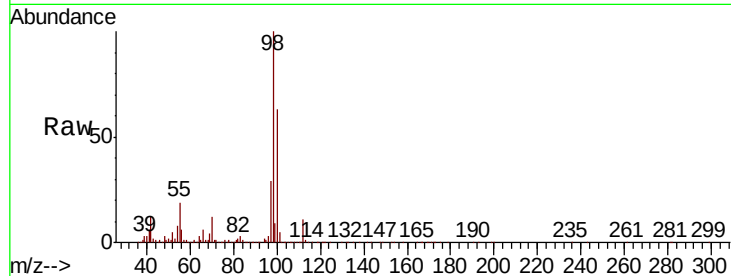
GW-1

Tgt Ion: 98 Resp: 782051

Ion Ratio Lower Upper

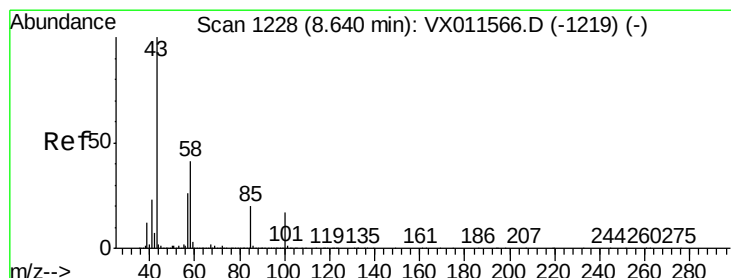
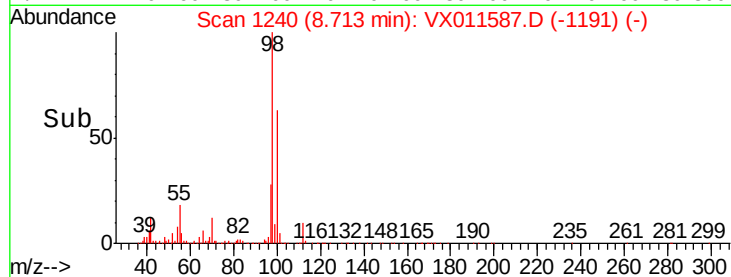
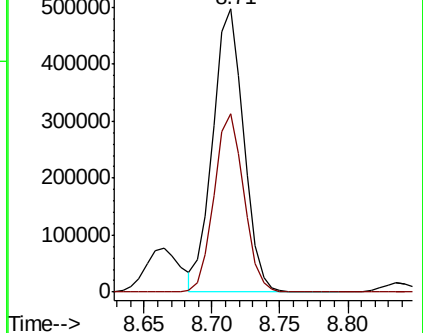
98 100

100 61.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 25.414 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX011587.D

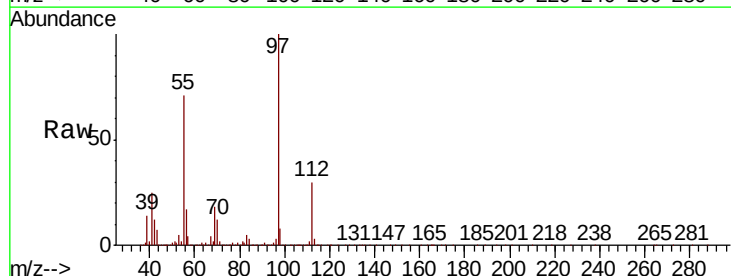
Acq: 16 Aug 2019 17:35

Tgt Ion: 43 Resp: 169218

Ion Ratio Lower Upper

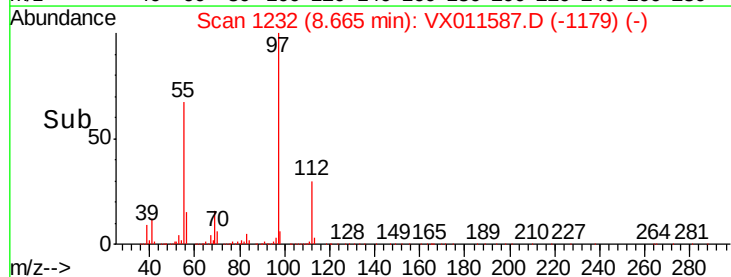
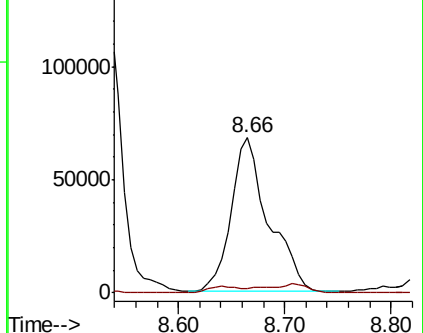
43 100

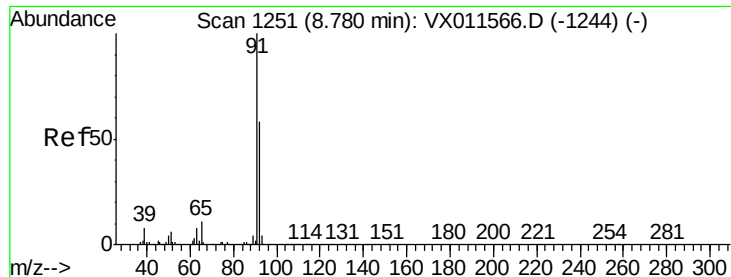
58 1.5 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 2.004 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

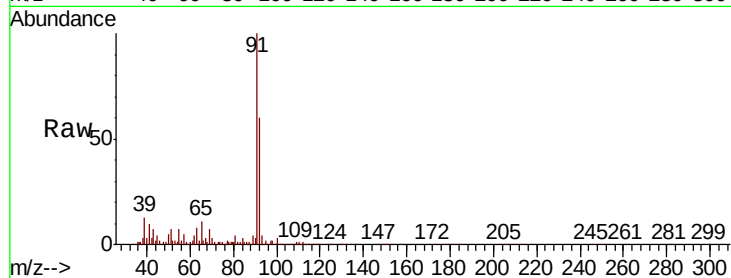
GW-1

Tgt Ion: 92 Resp: 22487

Ion Ratio Lower Upper

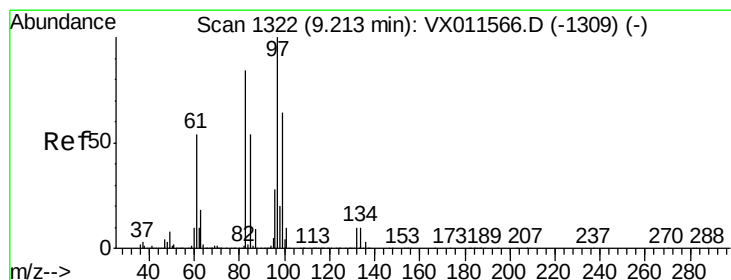
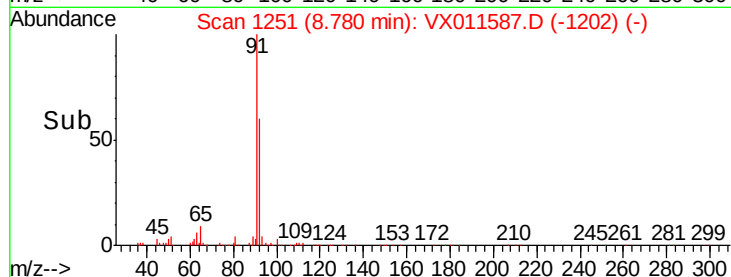
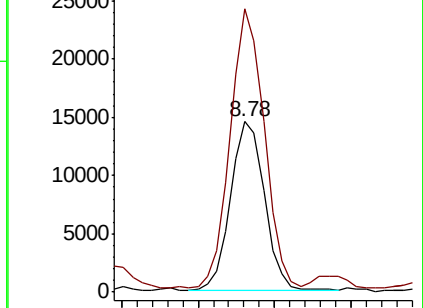
92 100

91 165.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 107.929 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Tgt Ion: 97 Resp: 514970

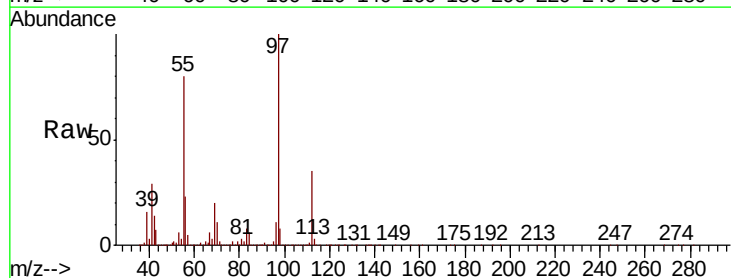
Ion Ratio Lower Upper

97 100

83 7.7 67.4 101.0#

85 0.3 43.4 65.2#

99 0.2 51.1 76.7#

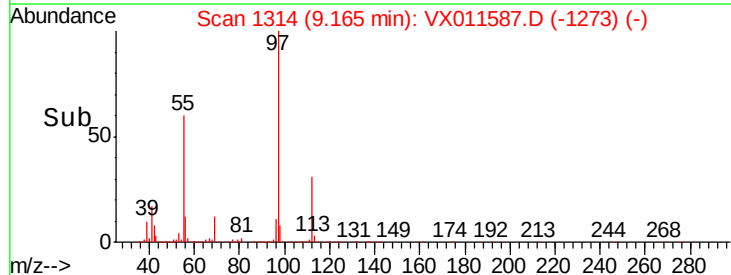
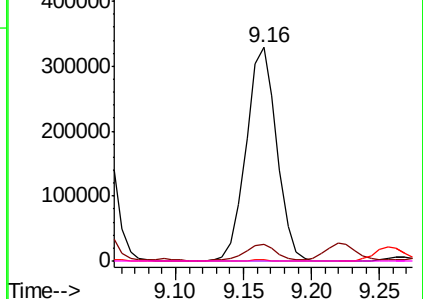


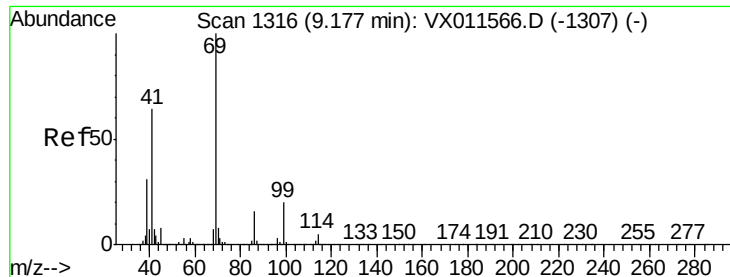
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 15.202 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

GW-1

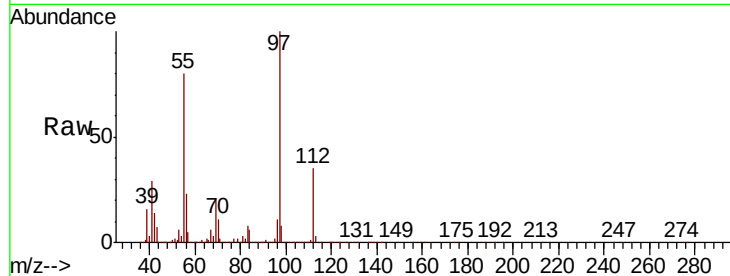
Tgt Ion: 69 Resp: 105427

Ion Ratio Lower Upper

69 100

41 145.4 52.1 78.1#

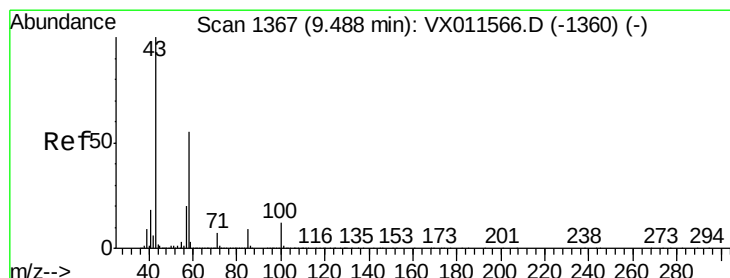
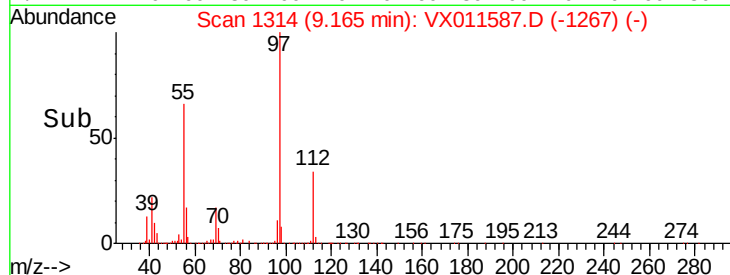
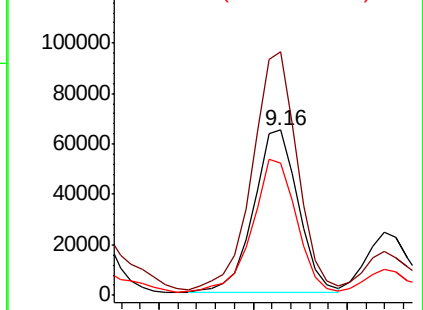
39 80.4 25.4 38.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 4.525 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX011587.D

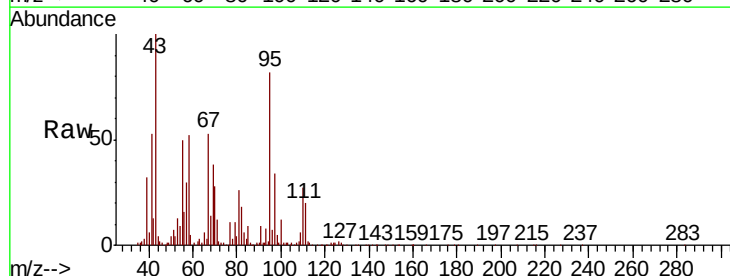
Acq: 16 Aug 2019 17:35

Tgt Ion: 43 Resp: 23237

Ion Ratio Lower Upper

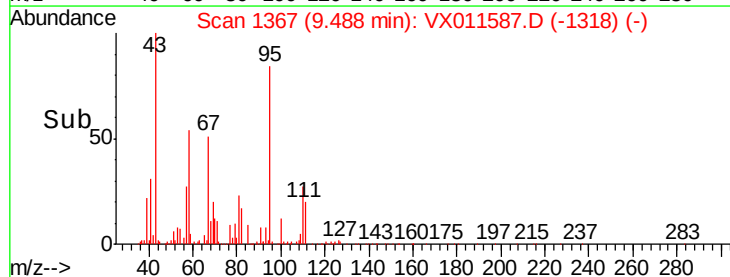
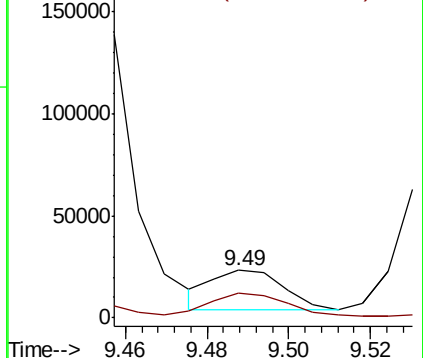
43 100

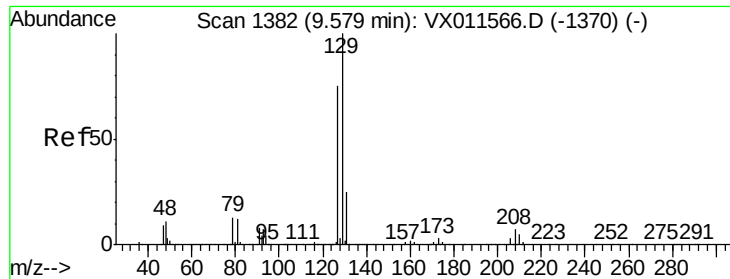
58 64.6 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.481 ug/l

RT: 9.55 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

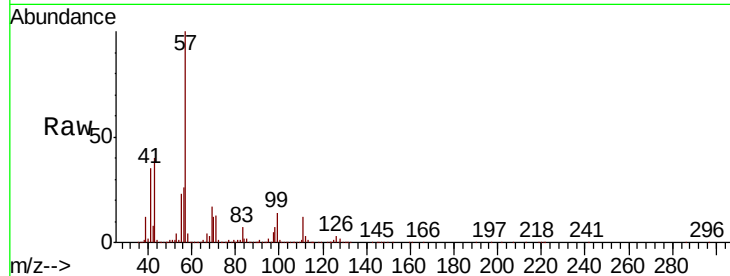
GW-1

Tgt Ion:129 Resp: 2393

Ion Ratio Lower Upper

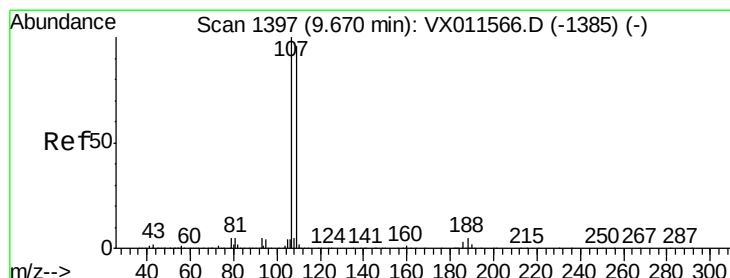
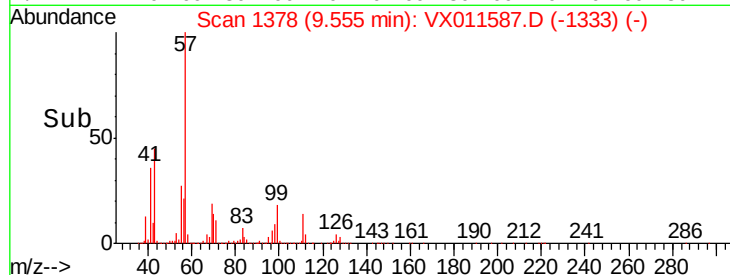
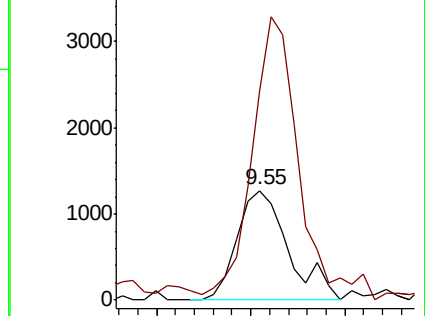
129 100

127 222.6 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.222 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX011587.D

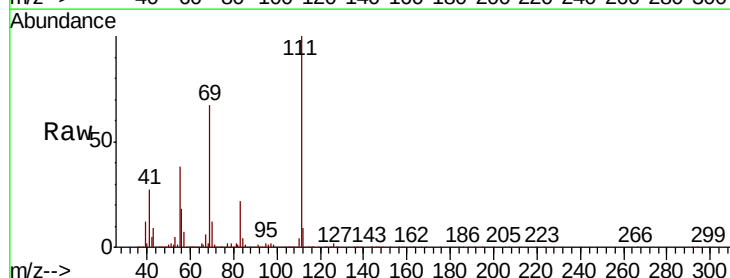
Acq: 16 Aug 2019 17:35

Tgt Ion:107 Resp: 1133

Ion Ratio Lower Upper

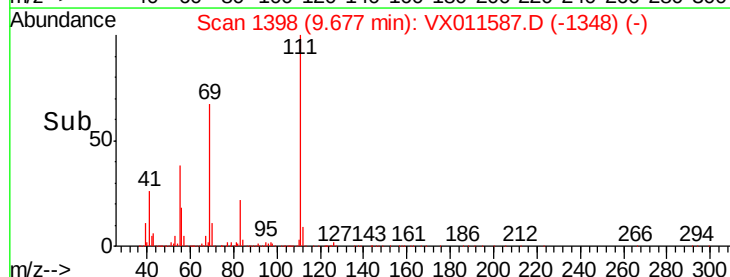
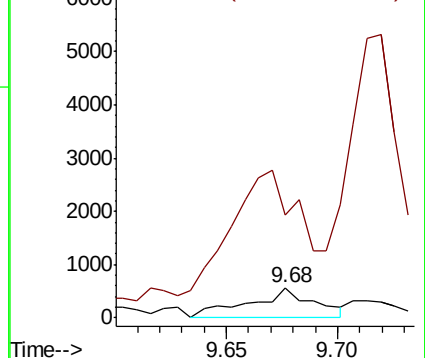
107 100

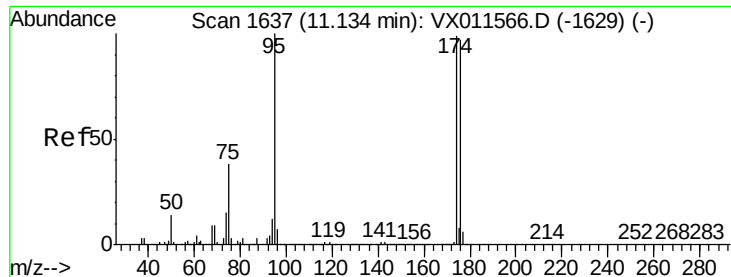
109 522.9 76.2 114.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.664 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

GW-1

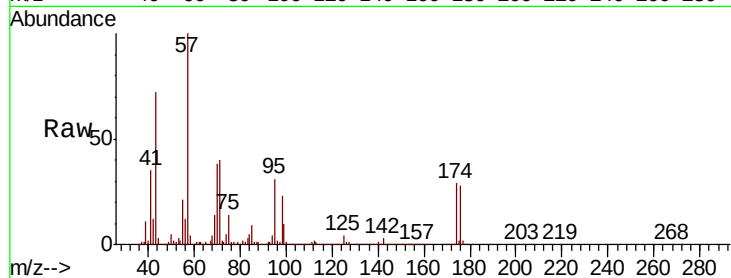
Tgt Ion: 95 Resp: 288876

Ion Ratio Lower Upper

95 100

174 91.4 0.0 200.6

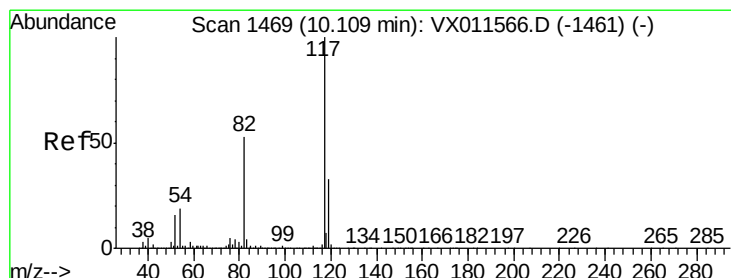
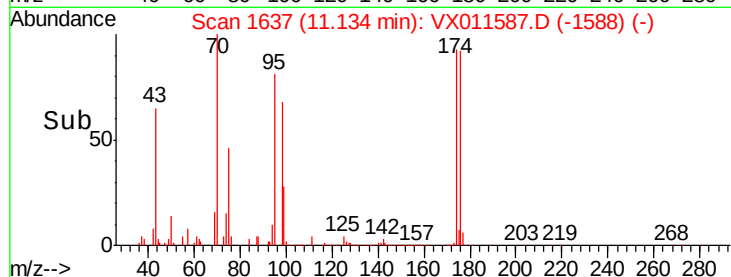
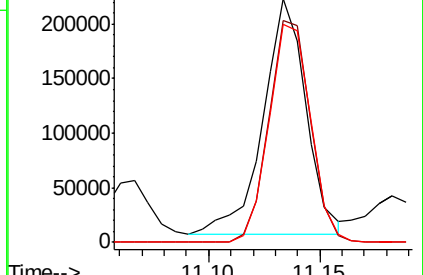
176 89.9 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

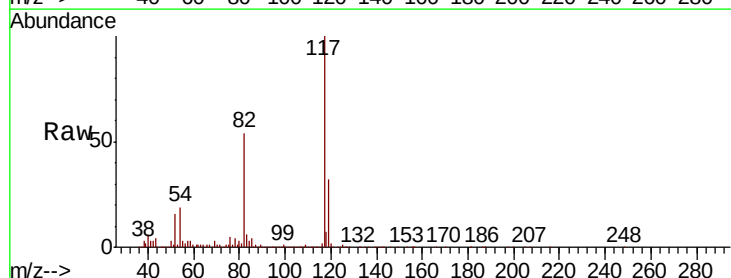
Tgt Ion: 117 Resp: 577083

Ion Ratio Lower Upper

117 100

82 51.7 42.0 63.0

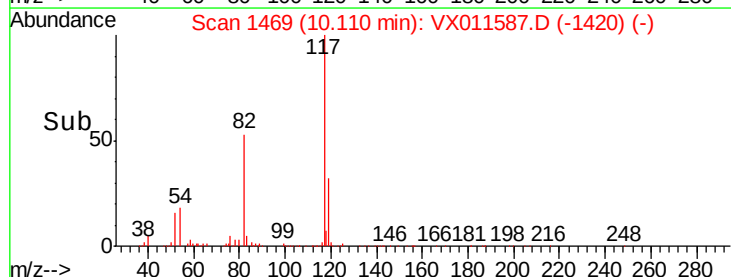
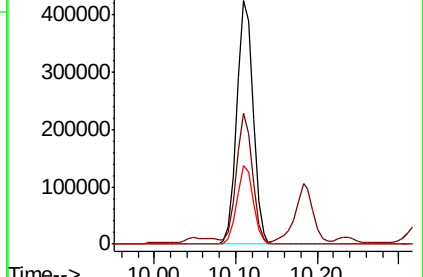
119 32.4 26.5 39.7

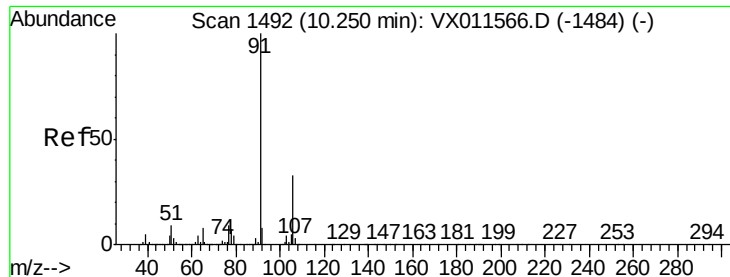


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#67

Ethyl Benzene

Concen: 35.207 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

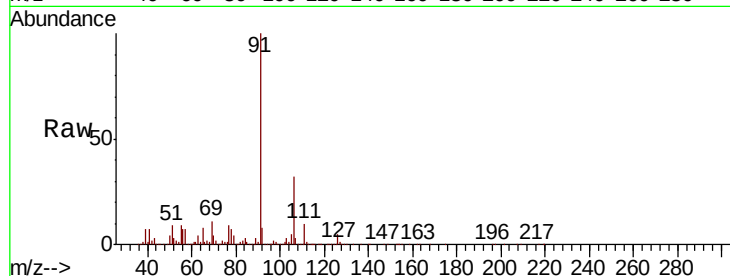
GW-1

Tgt Ion: 91 Resp: 723229

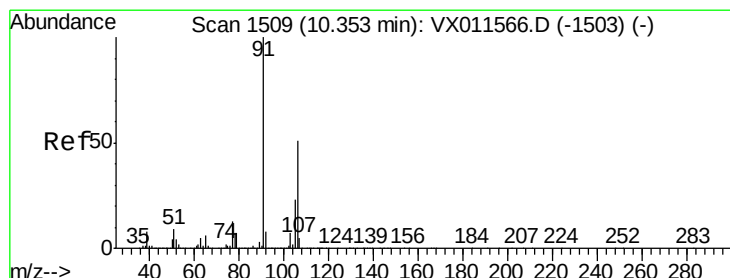
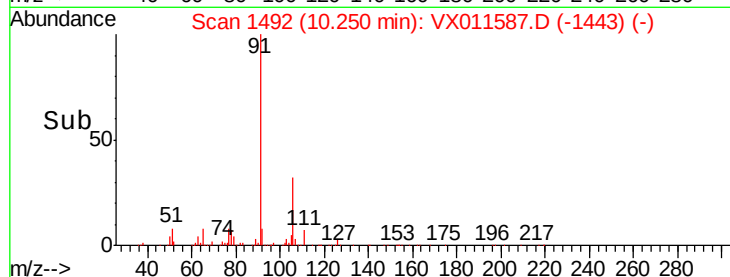
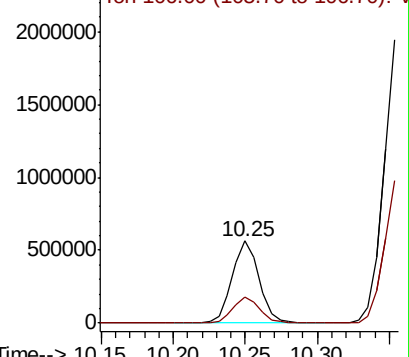
Ion Ratio Lower Upper

91 100

106 31.7 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1484) (-)



#68

m/p-Xylenes

Concen: 177.457 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011587.D

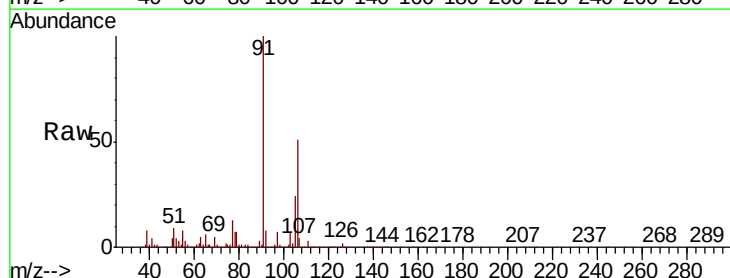
Acq: 16 Aug 2019 17:35

Tgt Ion: 106 Resp: 1399265

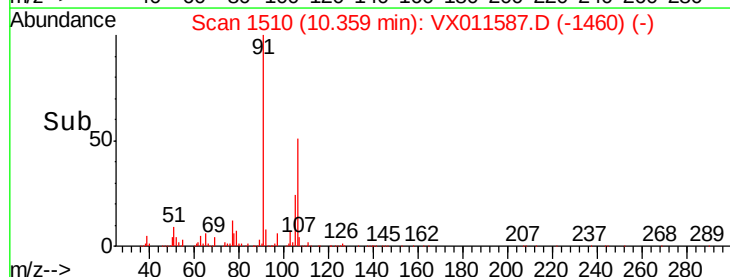
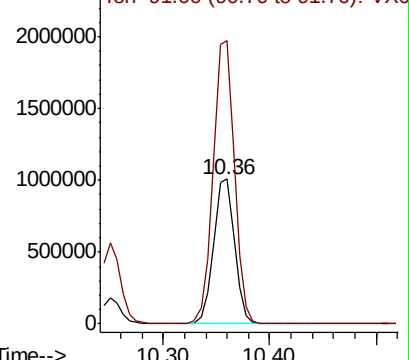
Ion Ratio Lower Upper

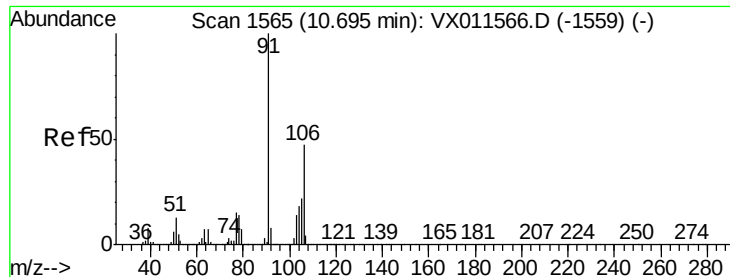
106 100

91 197.7 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): VX011566.D (-1503) (-)

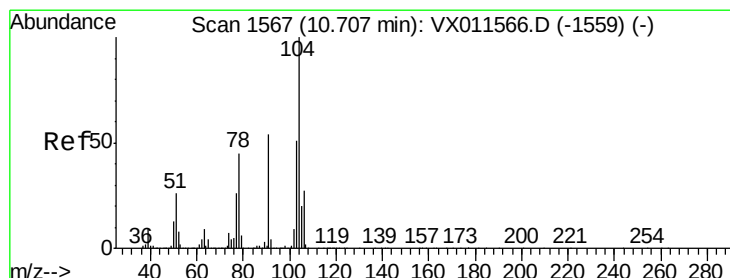
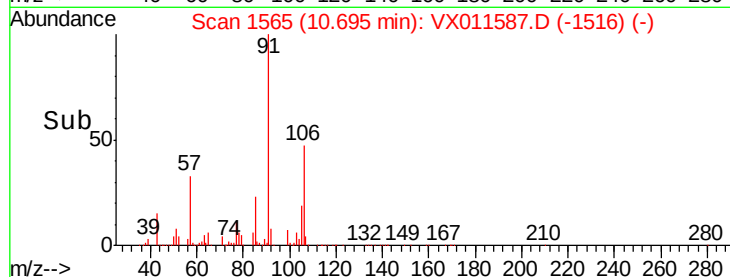
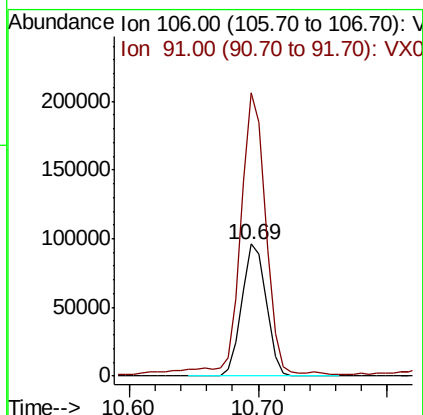
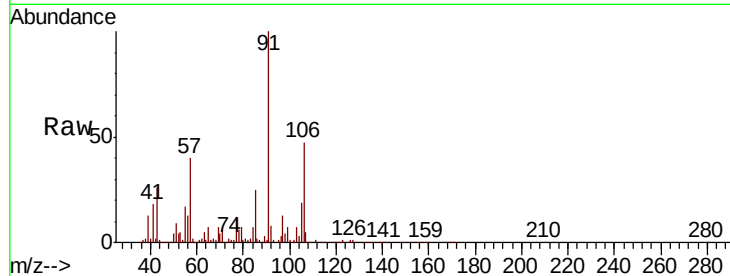




#69
o-Xylene
Concen: 16.221 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

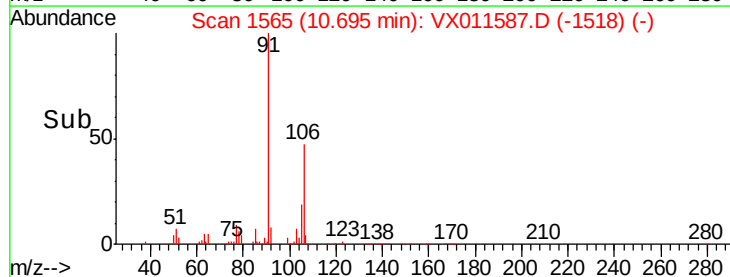
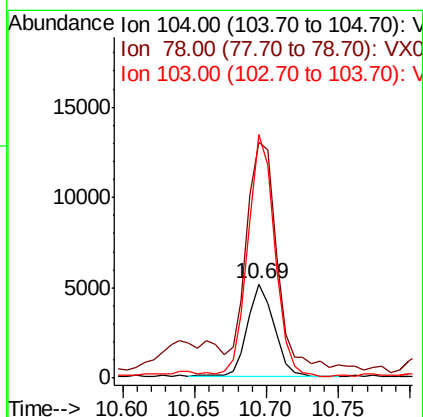
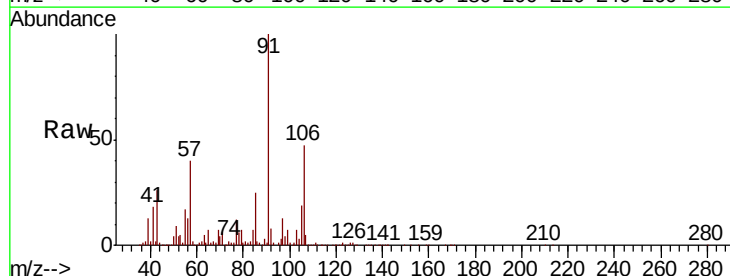
Instrument :
MSVOA_X
ClientSampled :
GW-1

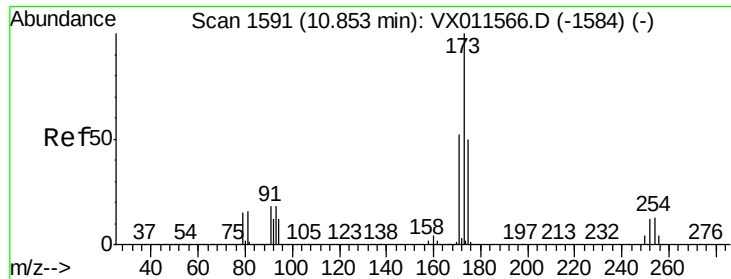
Tgt Ion:106 Resp: 125289
Ion Ratio Lower Upper
106 100
91 225.8 105.5 316.4



#70
Styrene
Concen: 0.507 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion:104 Resp: 6591
Ion Ratio Lower Upper
104 100
78 297.5 38.2 57.4#
103 261.9 43.6 65.4#





#71

Bromoform

Concen: 3.308 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.05 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

GW-1

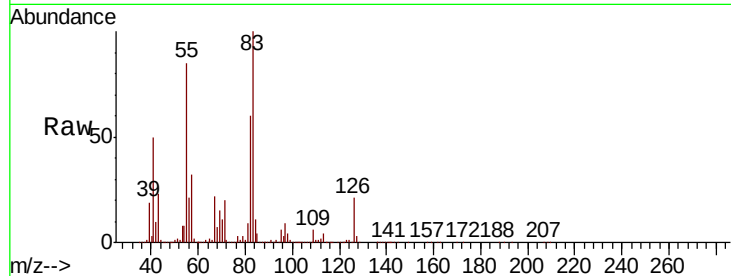
Tgt Ion:173 Resp: 78

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

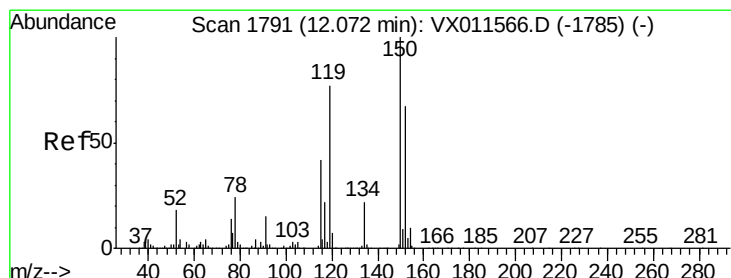
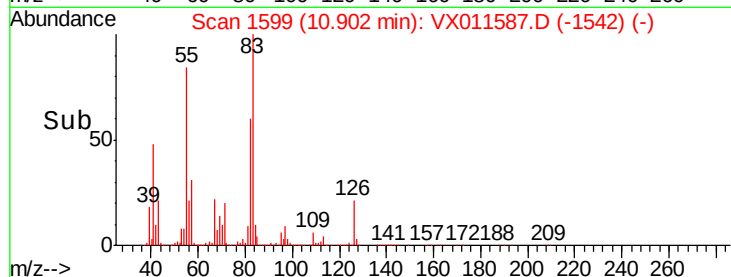
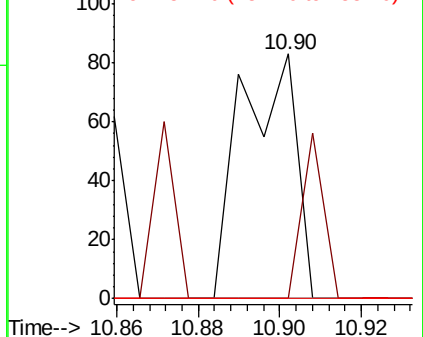
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

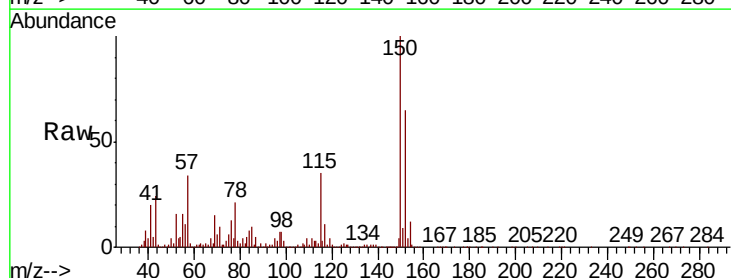
Tgt Ion:152 Resp: 290186

Ion Ratio Lower Upper

152 100

115 59.0 37.3 111.9

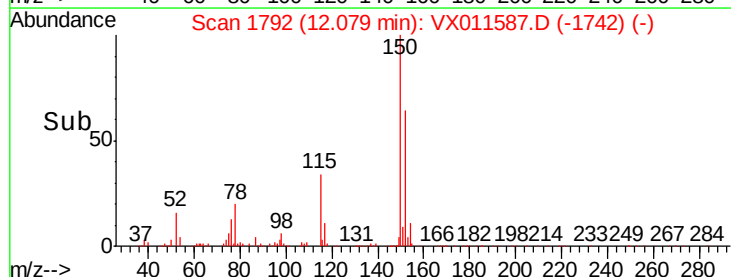
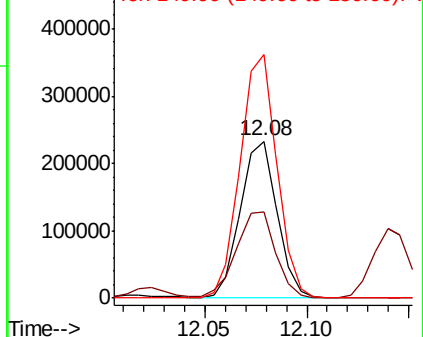
150 155.9 0.0 346.2

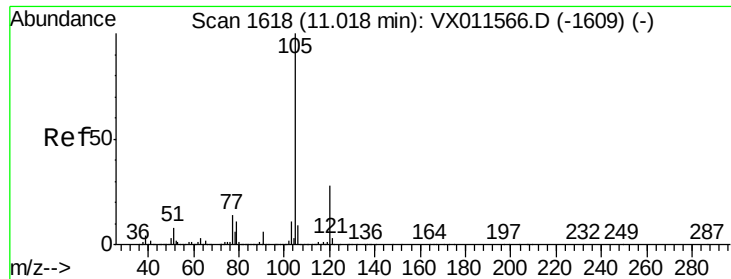


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.625 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

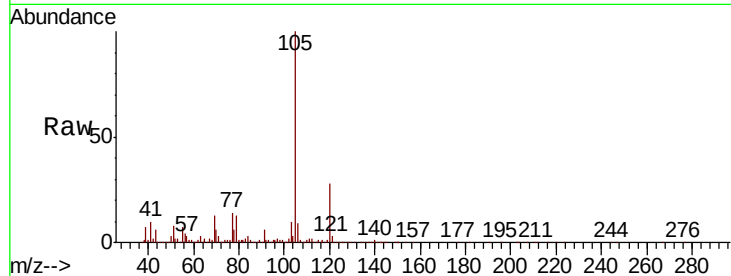
GW-1

Tgt Ion: 105 Resp: 821443

Ion Ratio Lower Upper

105 100

120 27.9 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

600000

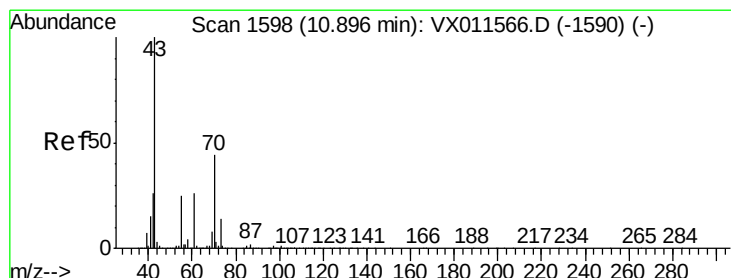
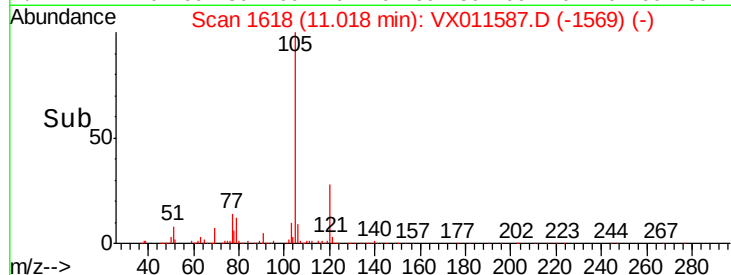
400000

200000

0

10.95 11.00 11.05

Time-->



#74

N-amyl acetate

Concen: 16.402 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Tgt Ion: 43 Resp: 131249

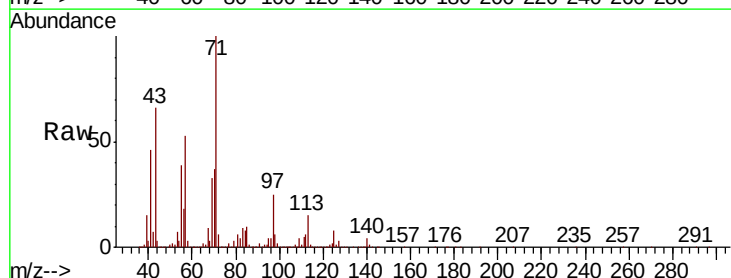
Ion Ratio Lower Upper

43 100

70 62.8 34.7 52.1#

55 0.0 19.6 29.4#

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

600000

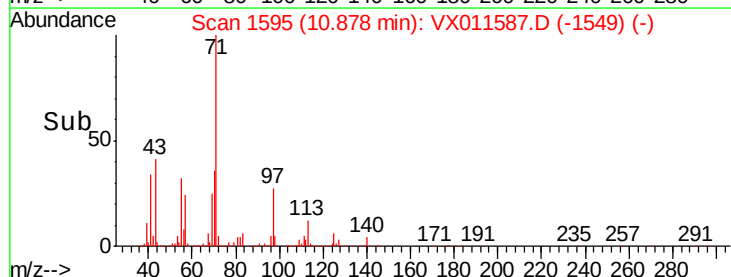
400000

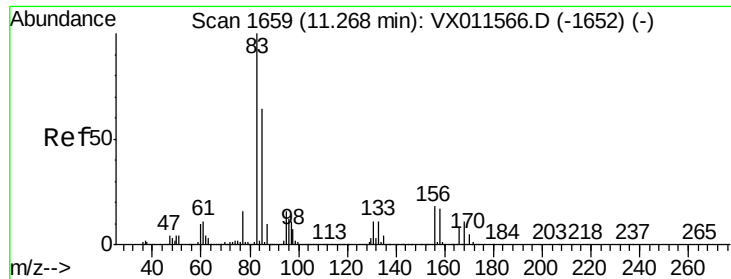
200000

0

10.86 10.88 10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.197 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

GW-1

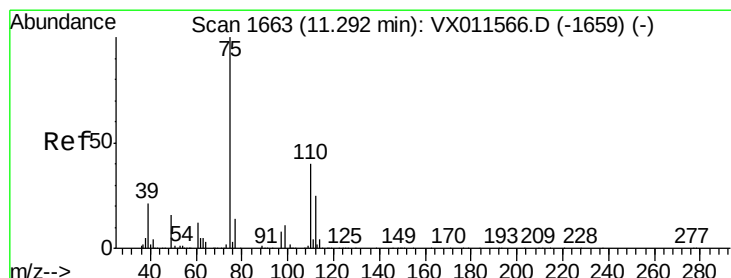
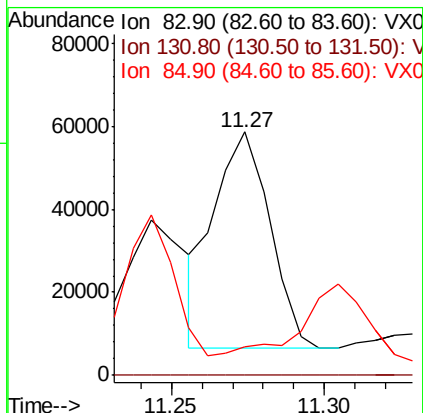
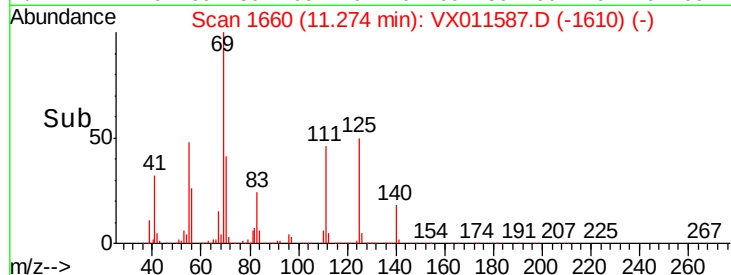
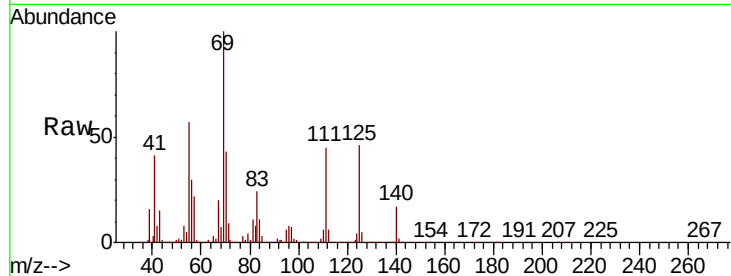
Tgt Ion: 83 Resp: 66050

Ion Ratio Lower Upper

83 100

131 0.3 5.8 17.3#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 1.150 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.06 min

Lab File: VX011587.D

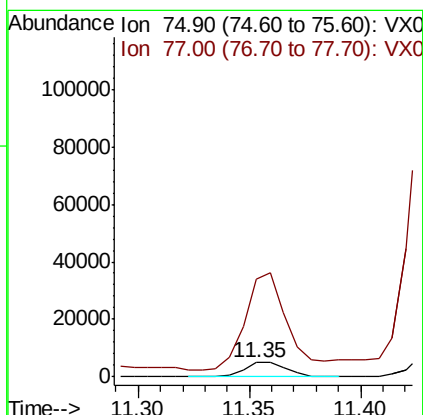
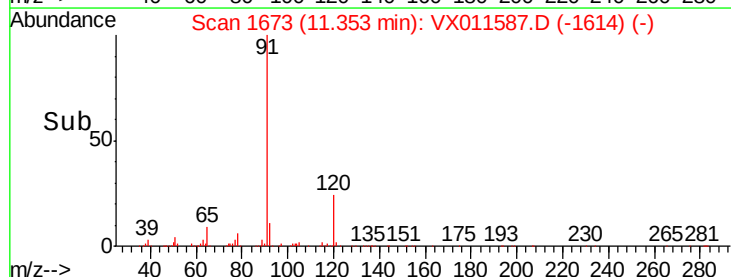
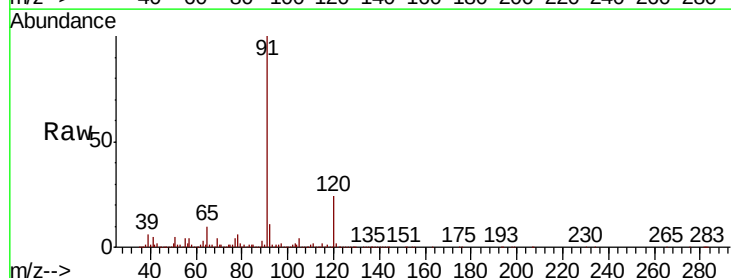
Acq: 16 Aug 2019 17:35

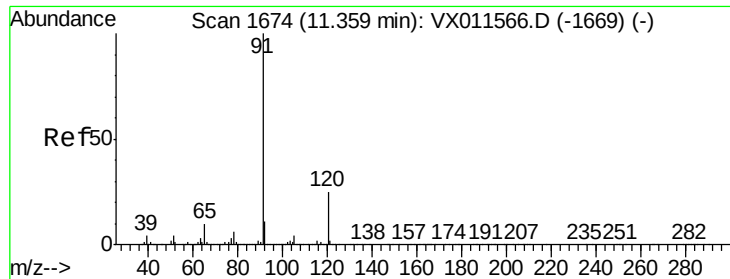
Tgt Ion: 75 Resp: 6327

Ion Ratio Lower Upper

75 100

77 692.0 20.9 62.8#





#78

n-propylbenzene

Concen: 55.964 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

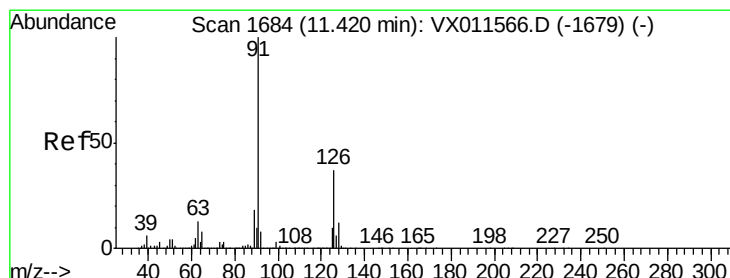
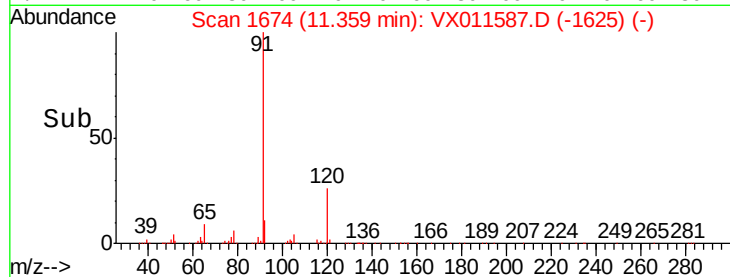
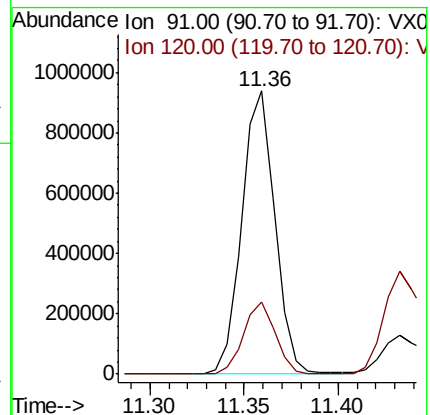
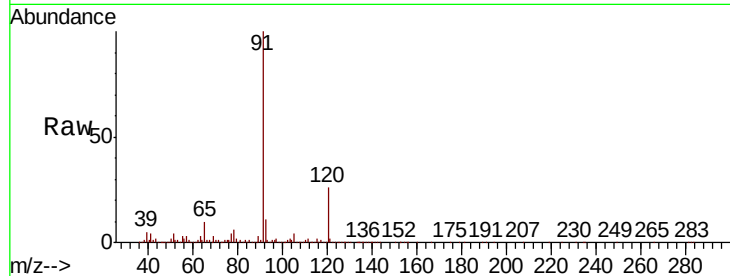
GW-1

Tgt Ion: 91 Resp: 1136296

Ion Ratio Lower Upper

91 100

120 24.8 12.6 37.6



#79

2-Chlorotoluene

Concen: 19.325 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011587.D

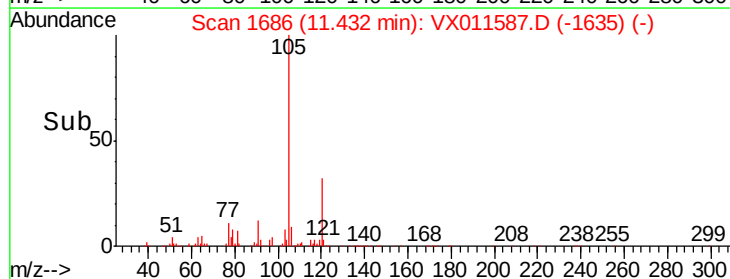
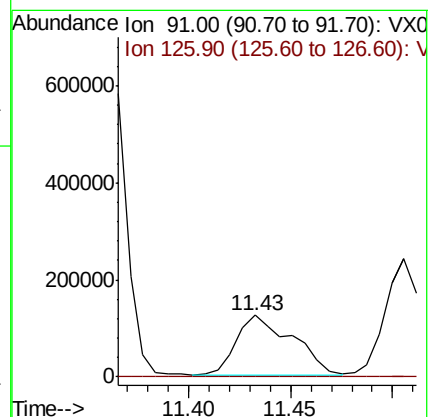
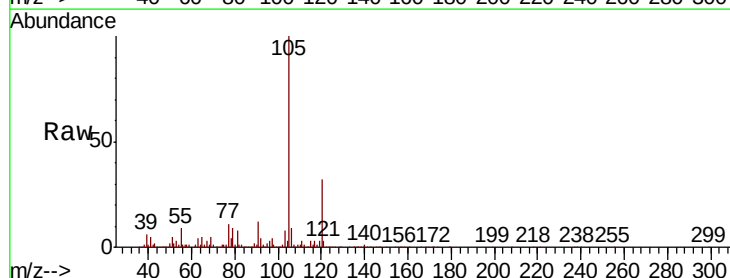
Acq: 16 Aug 2019 17:35

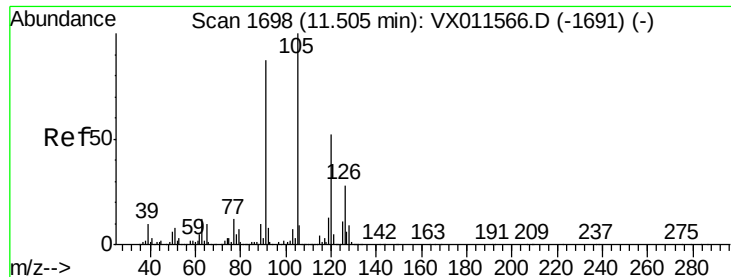
Tgt Ion: 91 Resp: 240941

Ion Ratio Lower Upper

91 100

126 0.0 18.4 55.0#

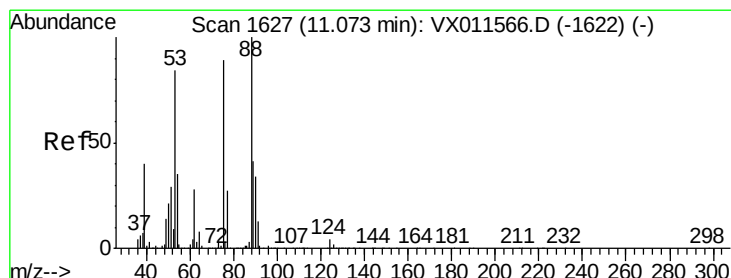
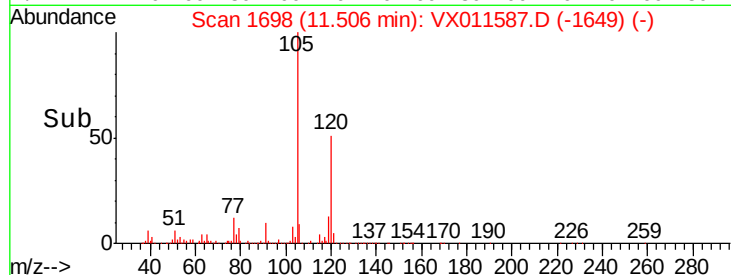
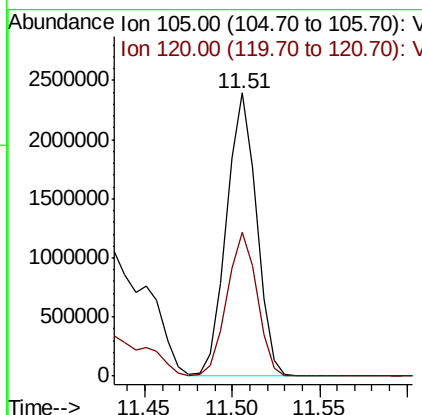
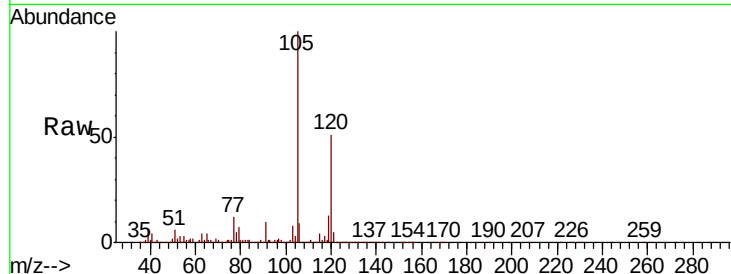




#80
 1,3,5-Trimethylbenzene
 Concen: 180.405 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

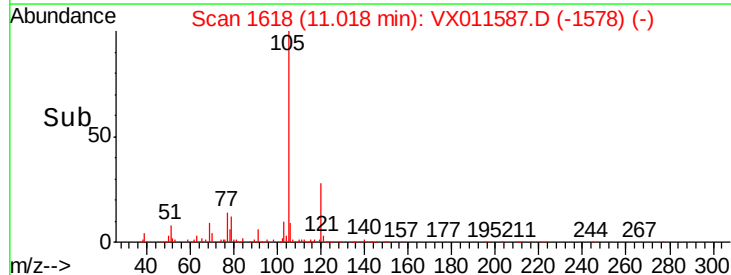
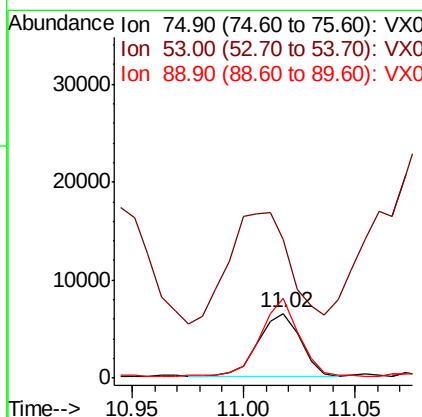
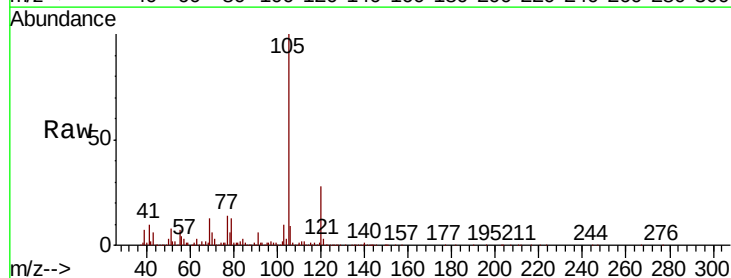
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

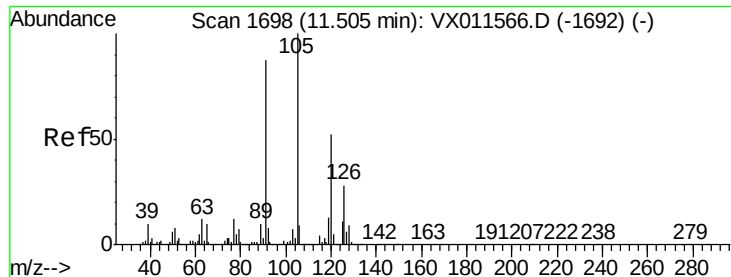
Tgt Ion:105 Resp: 2853577
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.317 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

Tgt Ion: 75 Resp: 8550
 Ion Ratio Lower Upper
 75 100
 53 299.6 77.4 116.0#
 89 114.1 37.3 55.9#





#82

4-Chlorotoluene

Concen: 20.107 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

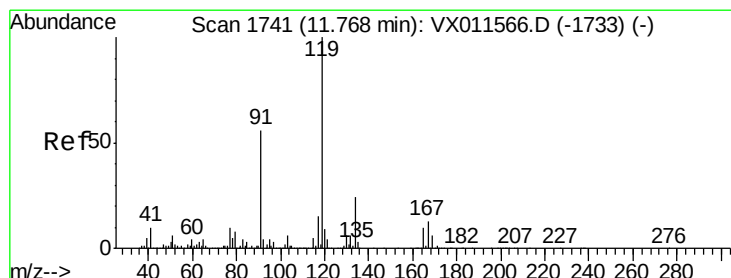
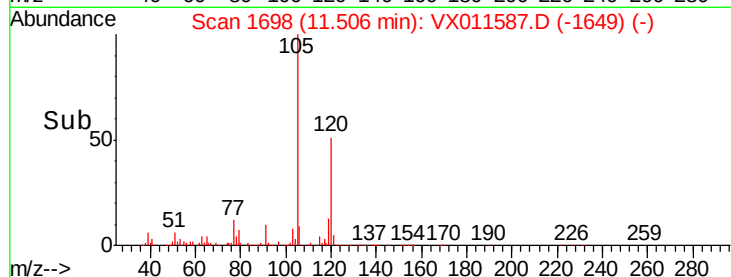
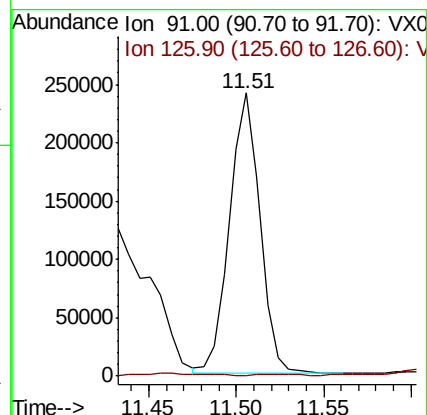
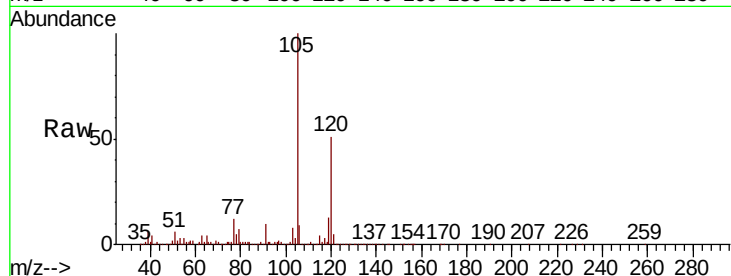
GW-1

Tgt Ion: 91 Resp: 290839

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#83

tert-Butylbenzene

Concen: 5.167 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

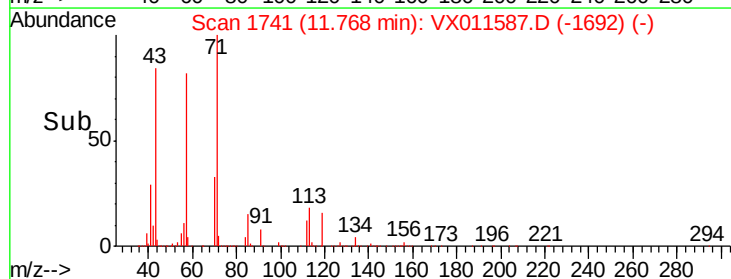
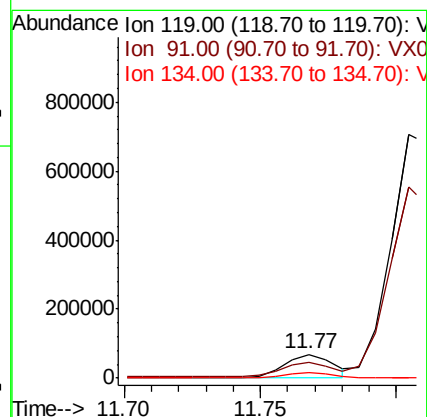
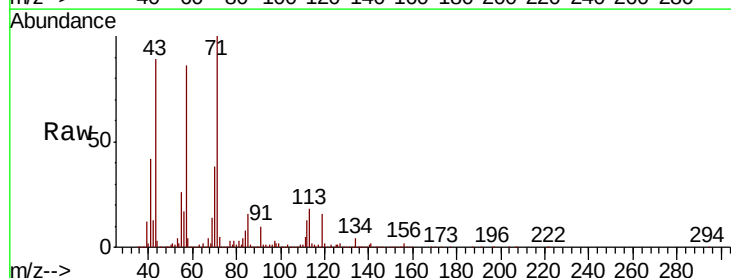
Tgt Ion: 119 Resp: 83240

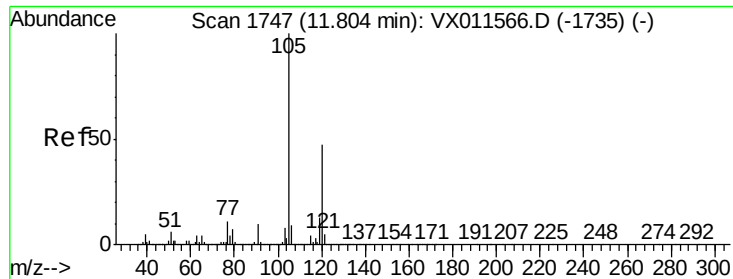
Ion Ratio Lower Upper

119 100

91 61.2 27.1 81.3

134 25.6 11.8 35.3





#84

1,2,4-Trimethylbenzene

Concen: 423.846 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

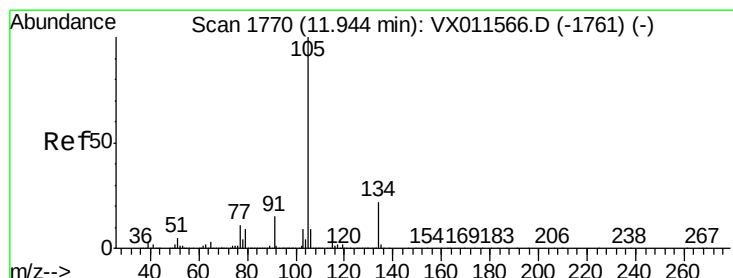
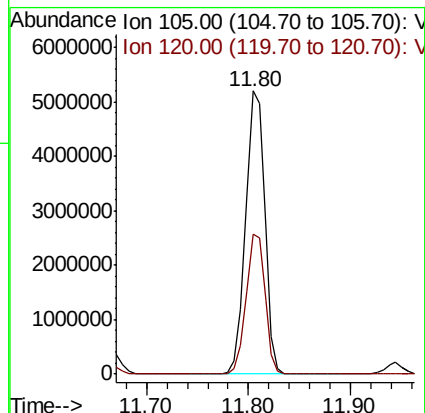
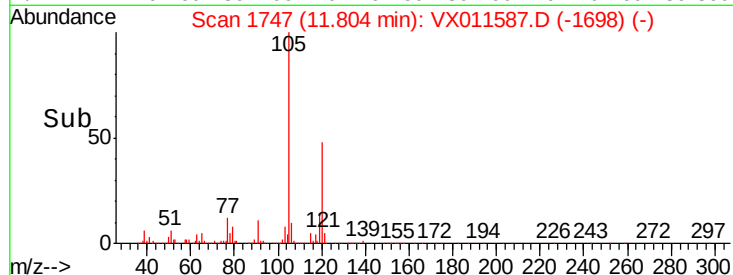
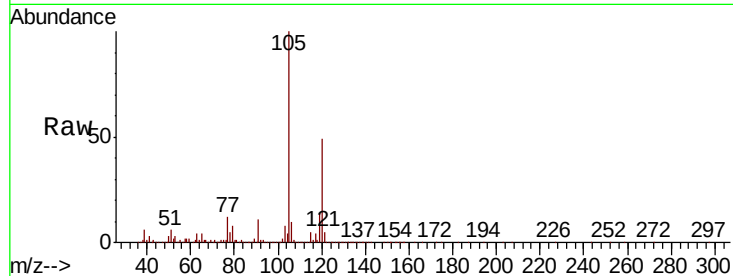
GW-1

Tgt Ion:105 Resp: 6730554

Ion Ratio Lower Upper

105 100

120 49.0 23.3 69.9



#85

sec-Butylbenzene

Concen: 14.209 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011587.D

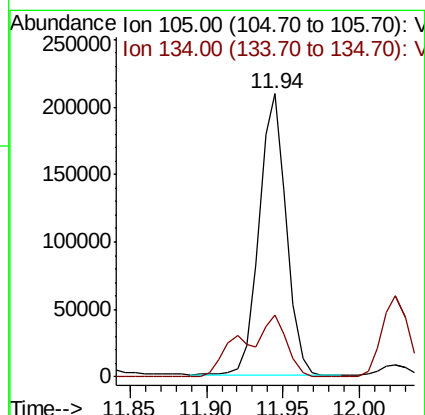
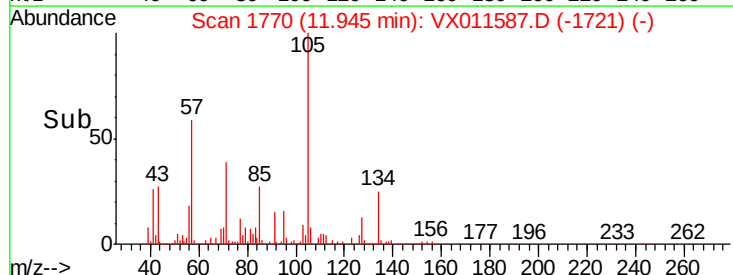
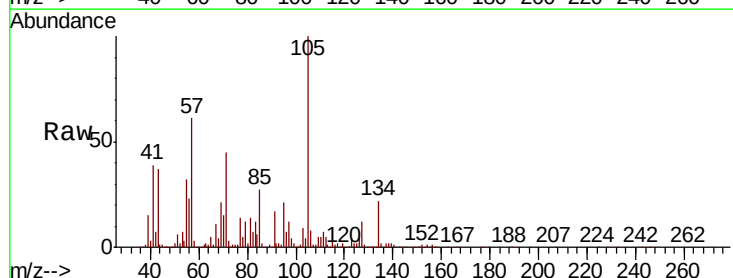
Acq: 16 Aug 2019 17:35

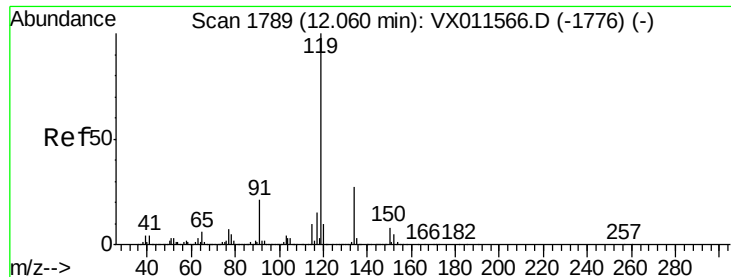
Tgt Ion:105 Resp: 258261

Ion Ratio Lower Upper

105 100

134 18.8 10.8 32.4

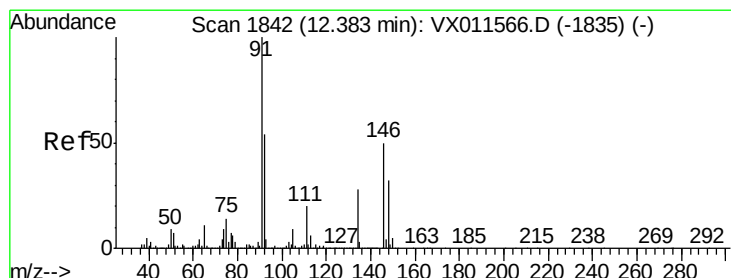
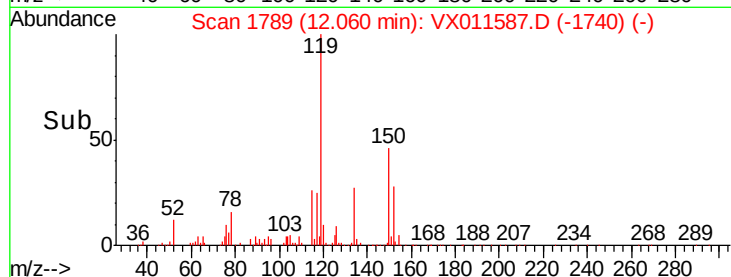
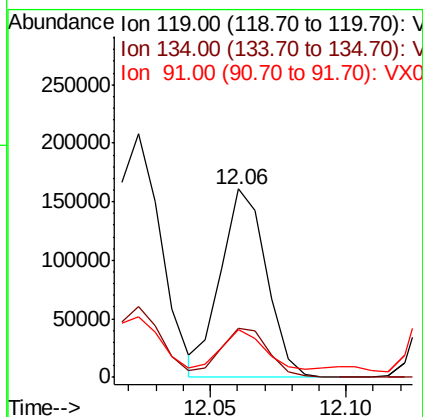
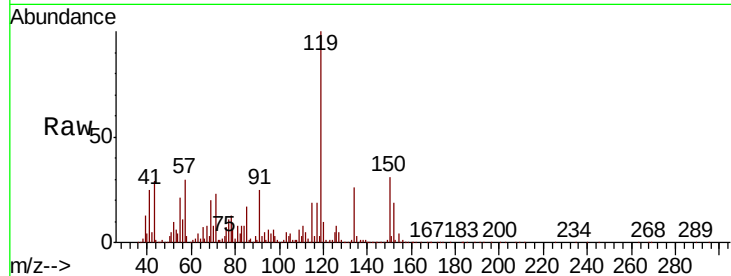




#86
 p-Isopropyltoluene
 Concen: 10.887 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

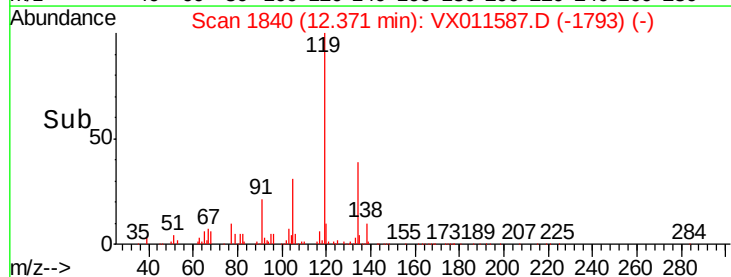
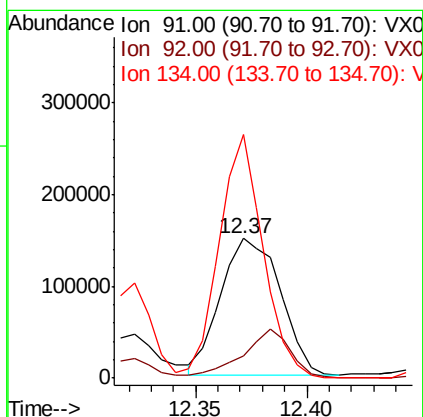
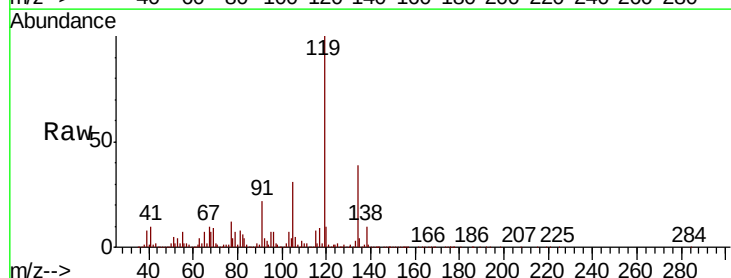
Instrument :
 MSVOA_X
 ClientSampled :
 GW-1

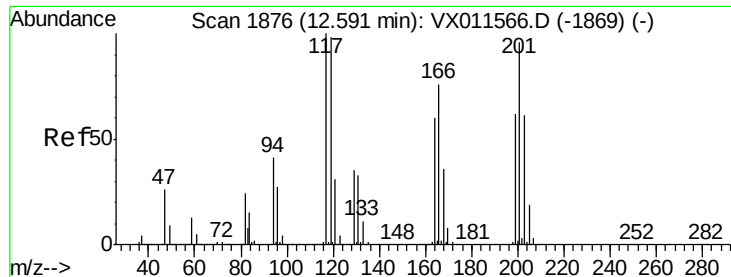
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.6	40.8
91	19.6	10.9	32.9



#89
 n-Butylbenzene
 Concen: 19.671 ug/l
 RT: 12.37 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	28.8	26.8	80.3
134	131.6	14.6	44.0#





#90

Hexachloroethane

Concen: 18.225 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

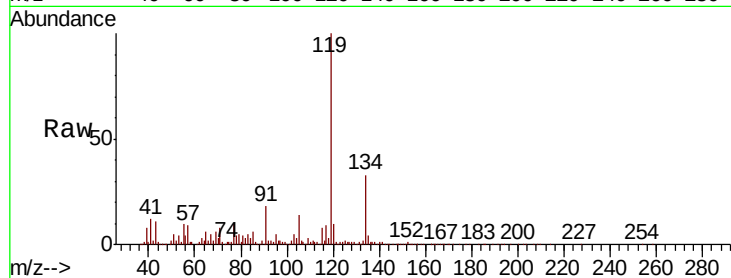
GW-1

Tgt Ion:117 Resp: 49213

Ion Ratio Lower Upper

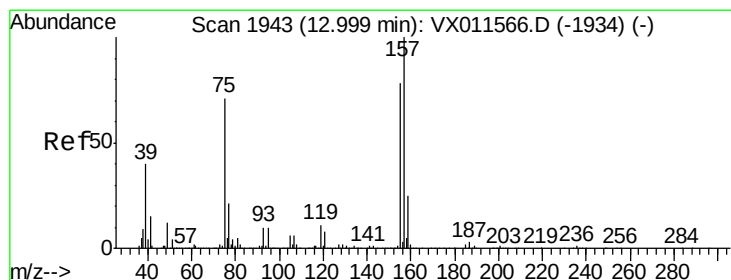
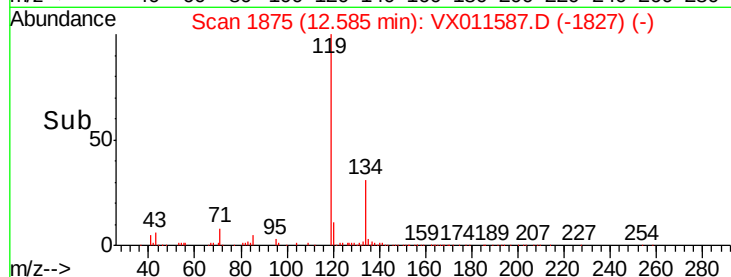
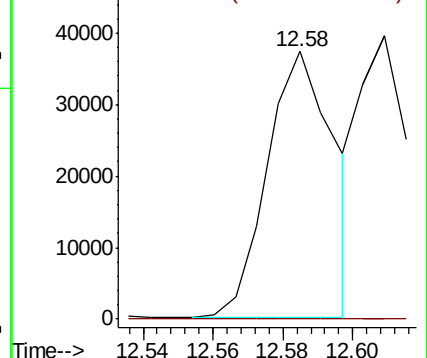
117 100

201 0.1 51.9 155.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.321 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

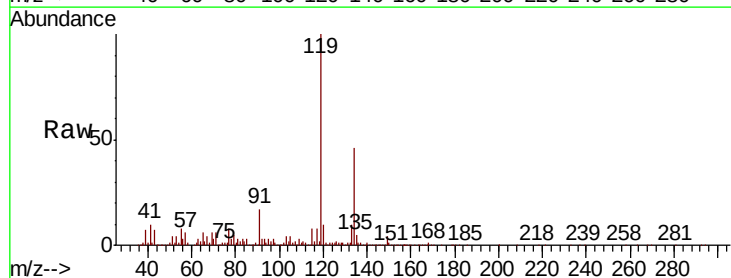
Tgt Ion: 75 Resp: 4922

Ion Ratio Lower Upper

75 100

155 0.0 53.0 159.0#

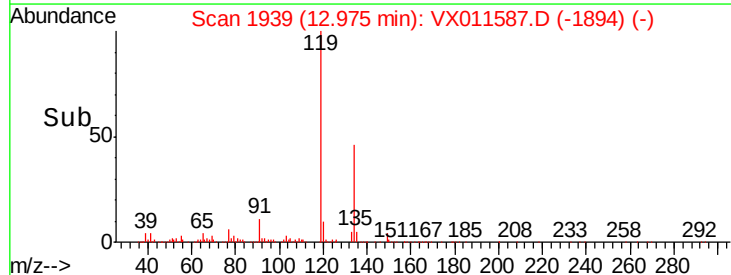
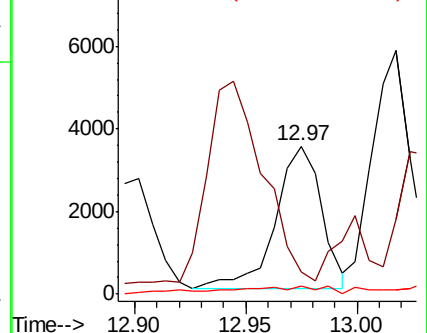
157 3.9 68.3 205.1#

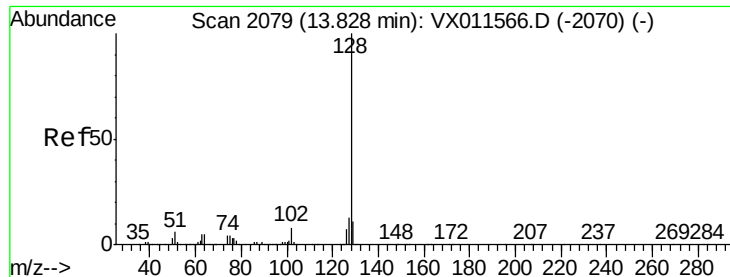


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

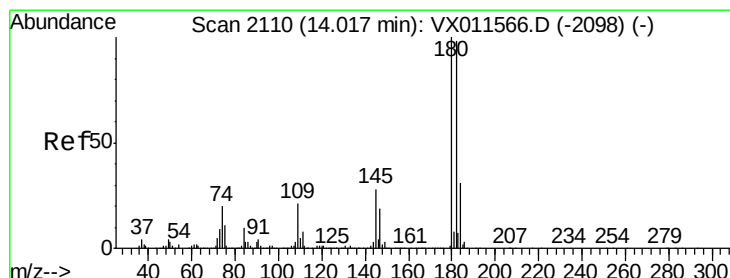
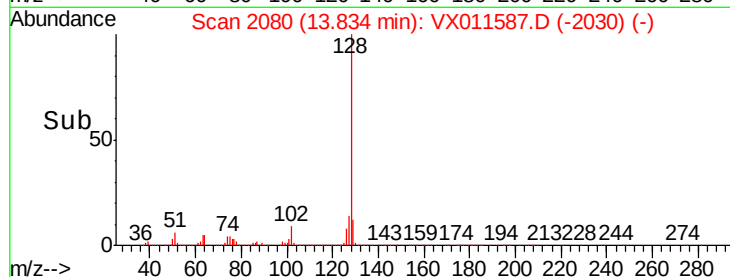
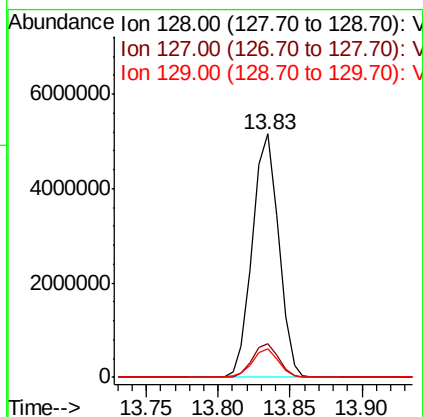
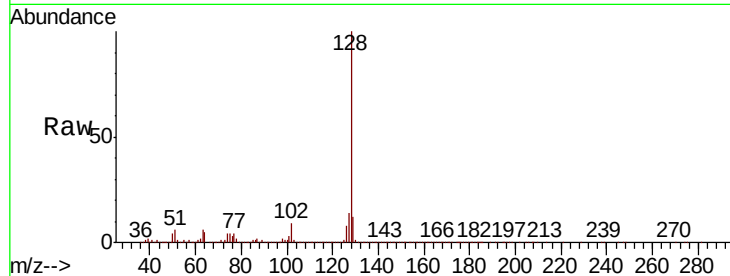




#95
Naphthalene
Concen: 318.400 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
GW-1

Tgt Ion:128 Resp: 6482992
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.845 ug/l
RT: 14.03 min Scan# 2112
Delta R.T. 0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion:180 Resp: 6135
Ion Ratio Lower Upper
180 100
182 0.0 48.0 144.0#
145 1535.1 14.6 43.8#

