

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020103.D
 Acq On : 17 Dec 2020 06:41
 Operator : JC/MD
 Sample : L5115-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Quant Time: Dec 17 07:38:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	295491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	490078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	463898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	189464	48.79	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.58%
35) Dibromofluoromethane	5.46	113	155571	49.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.24%
50) Toluene-d8	8.70	98	591318	48.90	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.80%
62) 4-Bromofluorobenzene	11.12	95	227264	49.38	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.76%

Target Compounds

					Qvalue
4) Vinyl Chloride	1.39	62	9310	2.775	ug/l 99
5) Bromomethane	1.64	94	384	0.345	ug/l # 63
6) Chloroethane	1.72	64	580	0.288	ug/l 95
8) Diethyl Ether	2.17	74	92481	46.711	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	682	0.255	ug/l 95
11) Tert butyl alcohol	3.01	59	4091	2.537	ug/l 99
12) 1,1-Dichloroethene	2.36	96	32553	12.024	ug/l 93
13) Acrolein	2.27	56	145	0.338	ug/l # 14
14) Allyl chloride	2.59	41	549011	120.069	ug/l # 64
16) Acetone	2.42	43	2984195	2044.313	ug/l 99
18) Methyl Acetate	2.59	43	1397625	391.255	ug/l # 47
20) Methylene Chloride	2.83	84	2134902	657.908	ug/l 98
21) trans-1,2-Dichloroethene	3.14	96	2863	0.907	ug/l 95
24) 1,1-Dichloroethane	3.67	63	179189	32.142	ug/l 99
25) 2-Butanone	4.64	43	24385	10.871	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	179187	48.511	ug/l 90
29) Tetrahydrofuran	5.10	42	871	0.603	ug/l # 65
30) Chloroform	5.18	83	2932	0.511	ug/l 99
31) Cyclohexane	5.55	56	1302	0.270	ug/l # 35
32) 1,1,1-Trichloroethane	5.46	97	599203	121.382	ug/l 99
36) 1,1-Dichloropropene	5.63	75	23132	5.223	ug/l # 48
37) Ethyl Acetate	4.79	43	2776	0.621	ug/l # 78
38) Carbon Tetrachloride	5.62	117	28724	6.624	ug/l # 17
39) Methylcyclohexane	7.43	83	1127	0.217	ug/l # 78
40) Benzene	6.11	78	224196	16.573	ug/l 99
42) 1,2-Dichloroethane	6.16	62	227043	49.122	ug/l 100
44) Trichloroethene	7.18	130	99260	27.966	ug/l 99
49) 1,4-Dioxane	7.72	88	23	0.266	ug/l # 24
51) 4-Methyl-2-Pentanone	8.62	43	17732	3.995	ug/l 100
52) Toluene	8.76	92	334020	39.478	ug/l 100
53) t-1,3-Dichloropropene	8.76	75	3670	0.730	ug/l # 1
55) 1,1,2-Trichloroethane	9.20	97	869	0.255	ug/l 94
59) 2-Hexanone	9.47	43	1643	0.478	ug/l 92
60) Dibromochloromethane	9.32	129	331191	95.607	ug/l # 11

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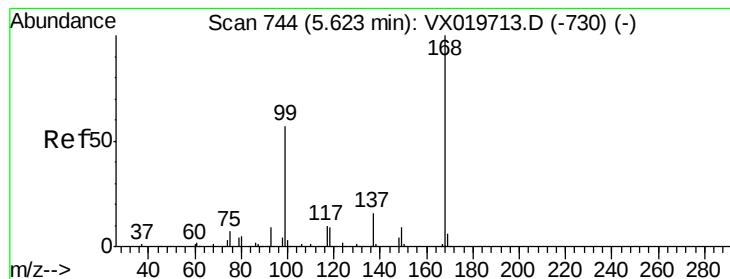
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

64) Tetrachloroethene	9.32	164	349281	112.273	ug/l	96
65) Chlorobenzene	10.12	112	171262	18.531	ug/l	100
67) Ethyl Benzene	10.23	91	720262	43.904	ug/l	99
68) m/p-Xylenes	10.34	106	589503	95.362	ug/l	99
69) o-Xylene	10.68	106	198129	33.319	ug/l	99
70) Styrene	10.68	104	13683	1.363	ug/l #	1
73) Isopropylbenzene	11.00	105	104980	7.015	ug/l	100
74) N-amyl acetate	10.90	43	1812	0.302	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110343	22.460	ug/l #	39
78) n-propylbenzene	11.34	91	39173	2.292	ug/l	98
79) 2-Chlorotoluene	11.41	91	21170	2.011	ug/l #	53
80) 1,3,5-Trimethylbenzene	11.49	105	58040	4.595	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	110343	64.927	ug/l #	12
82) 4-Chlorotoluene	11.49	91	8109	0.658	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.79	105	250806	19.713	ug/l	100
85) sec-Butylbenzene	11.79	105	250806	17.734	ug/l #	57
86) p-Isopropyltoluene	12.01	119	7958	0.614	ug/l	90
88) 1,4-Dichlorobenzene	12.08	146	5867	0.819	ug/l #	58
89) n-Butylbenzene	12.36	91	5551	0.483	ug/l #	30
90) Hexachloroethane	12.45	117	13626	6.089	ug/l #	9
91) 1,2-Dichlorobenzene	12.37	146	92000	13.426	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	2368	0.531	ug/l	94
95) Naphthalene	13.82	128	1299441	89.859	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

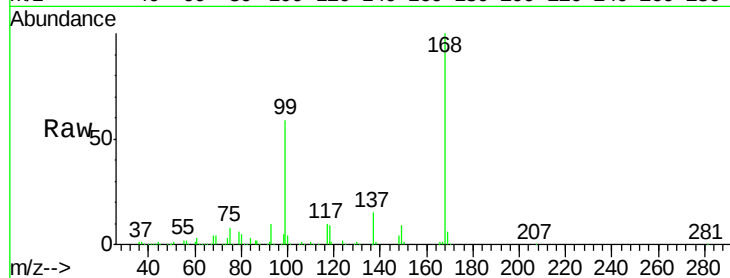
GROUNDWATER

Tgt Ion:168 Resp: 295491

Ion Ratio Lower Upper

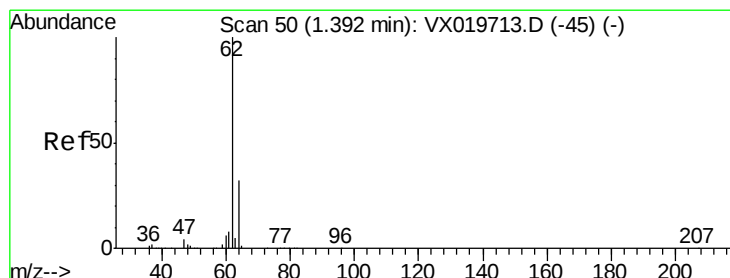
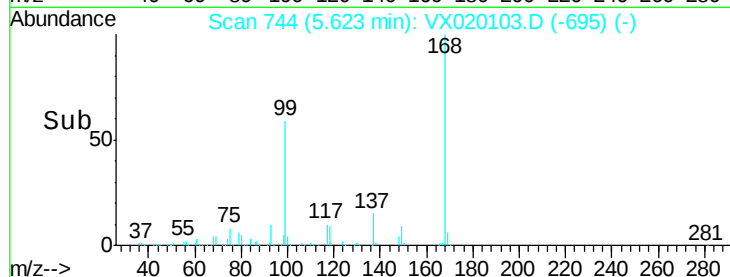
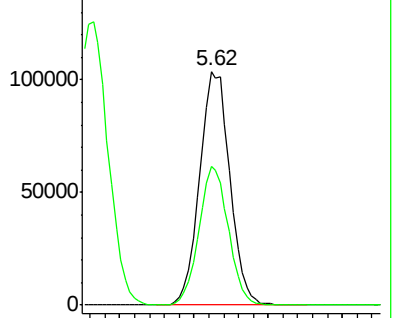
168 100

99 59.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.775 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020103.D

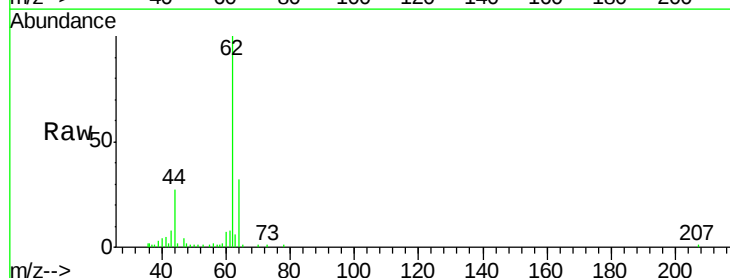
Acq: 17 Dec 2020 06:41

Tgt Ion: 62 Resp: 9310

Ion Ratio Lower Upper

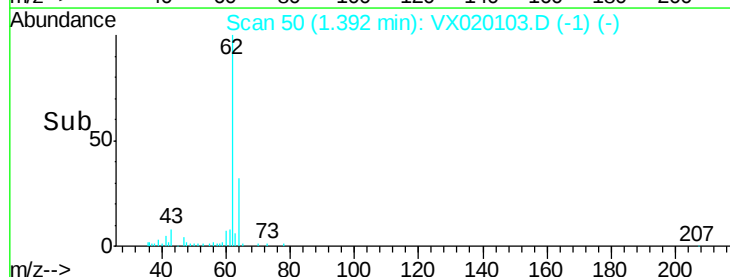
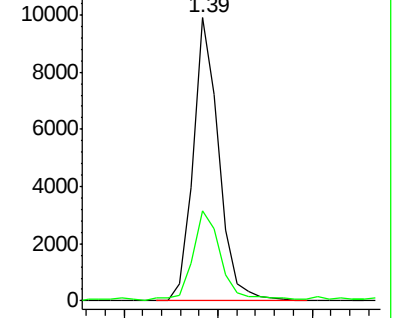
62 100

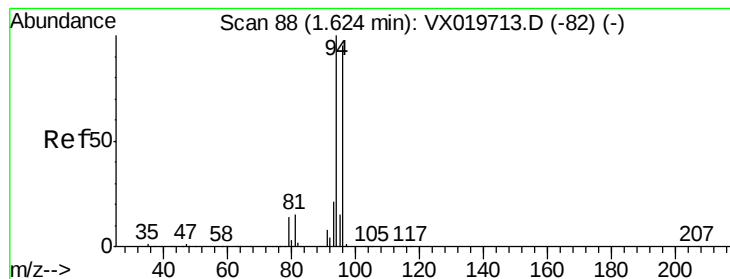
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

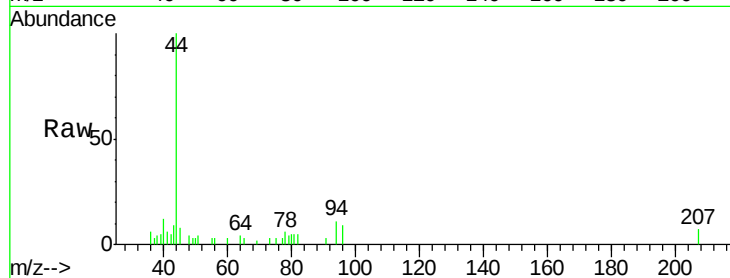
GROUNDWATER

Tgt Ion: 94 Resp: 384

Ion Ratio Lower Upper

94 100

96 59.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

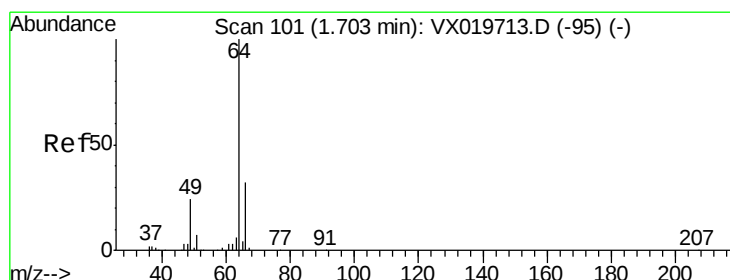
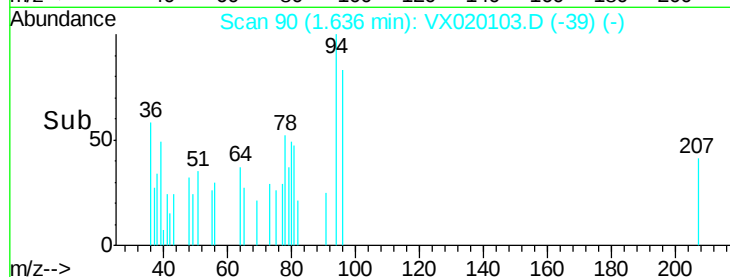
100

50

0

1.60 1.62 1.64 1.66

Time-->



#6

Chloroethane

Concen: 0.288 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020103.D

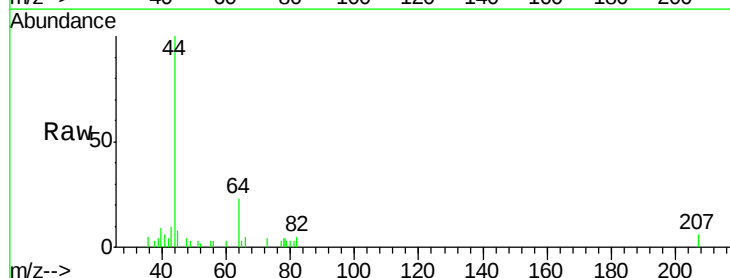
Acq: 17 Dec 2020 06:41

Tgt Ion: 64 Resp: 580

Ion Ratio Lower Upper

64 100

66 34.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

600

500

400

300

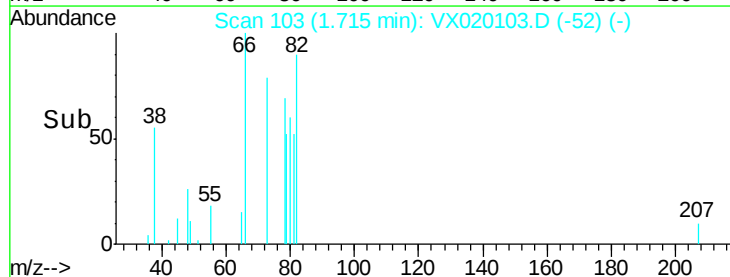
200

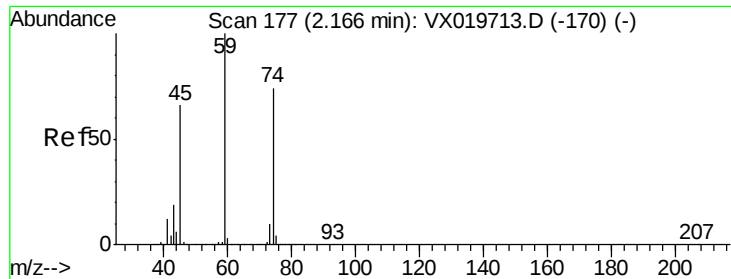
100

0

1.70 1.72 1.75

Time-->





#8

Diethyl Ether

Concen: 46.711 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

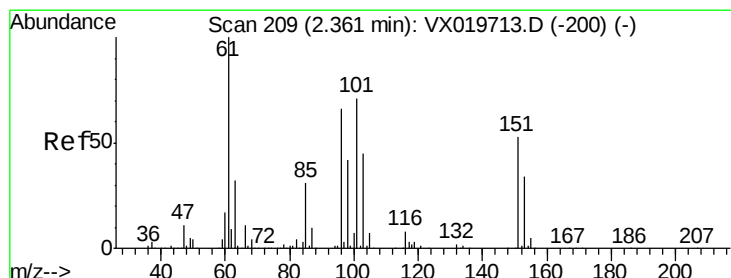
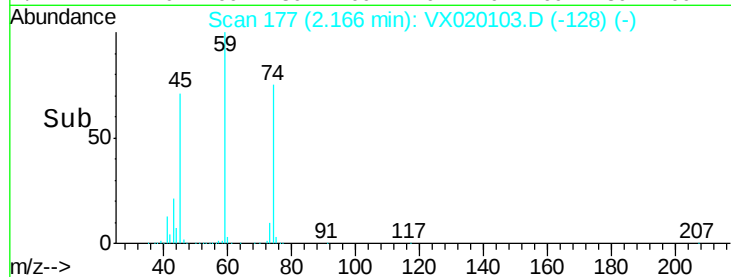
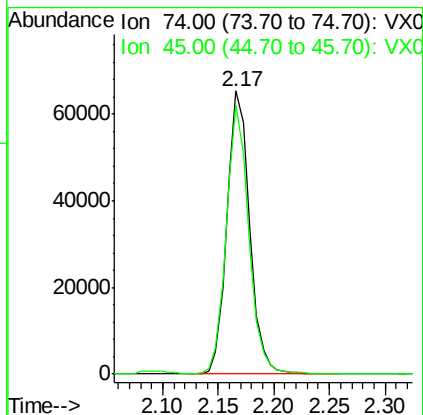
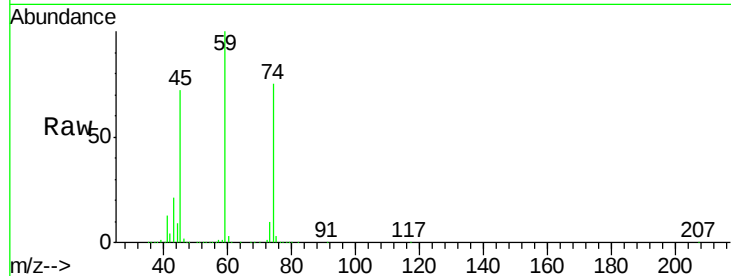
GROUNDWATER

Tgt Ion: 74 Resp: 92481

Ion Ratio Lower Upper

74 100

45 93.3 44.5 133.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.255 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

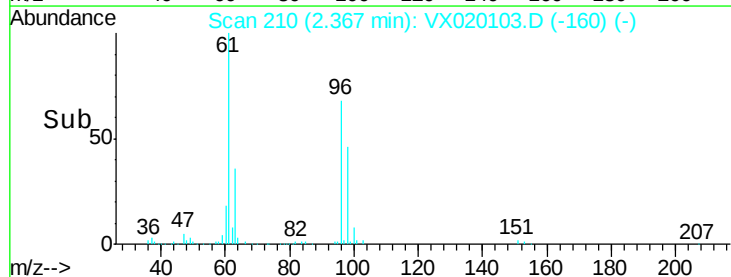
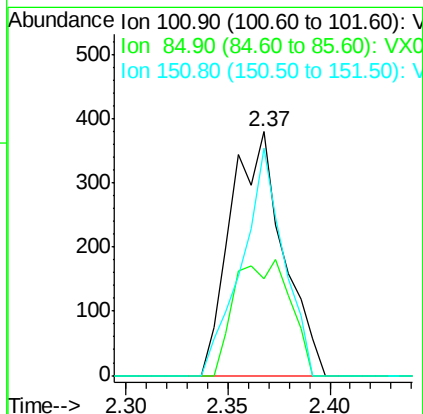
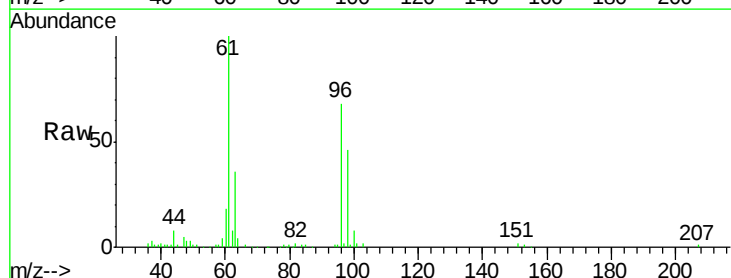
Tgt Ion: 101 Resp: 682

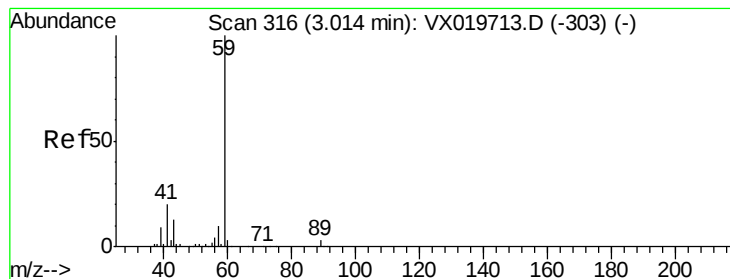
Ion Ratio Lower Upper

101 100

85 49.6 34.9 52.3

151 74.0 61.4 92.2





#11

Tert butyl alcohol

Concen: 2.537 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

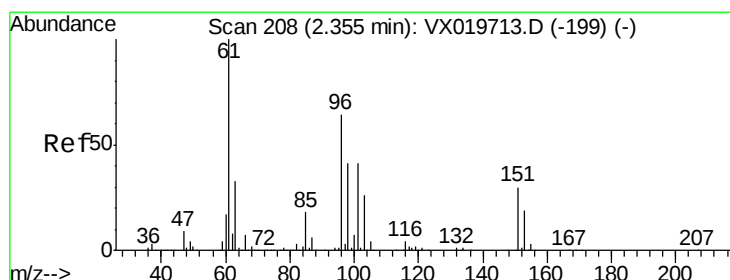
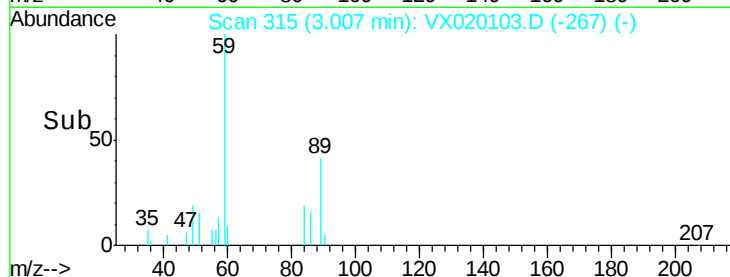
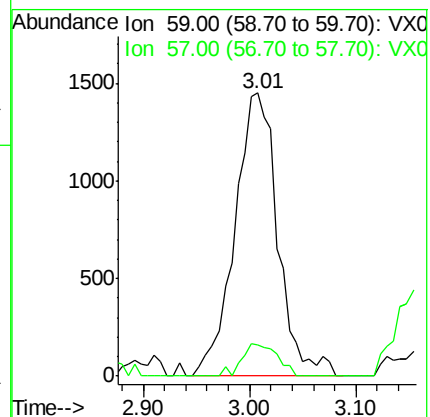
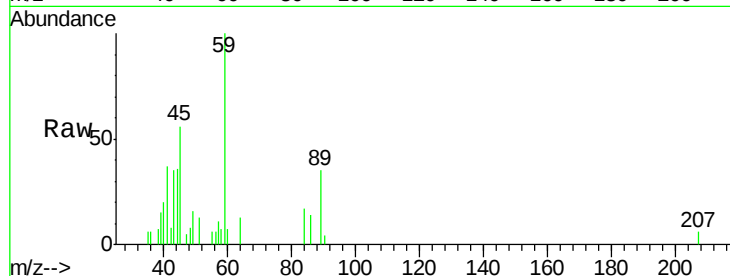
GROUNDWATER

Tgt Ion: 59 Resp: 4091

Ion Ratio Lower Upper

59 100

57 9.6 7.8 11.8



#12

1,1-Dichloroethene

Concen: 12.024 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

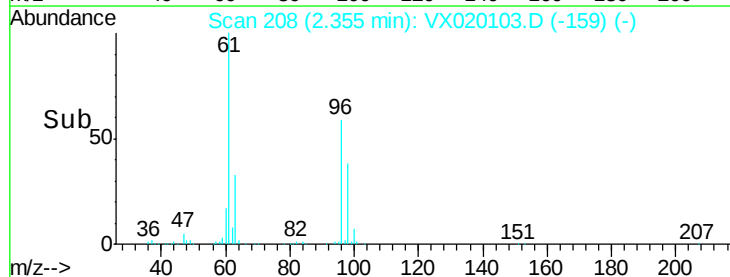
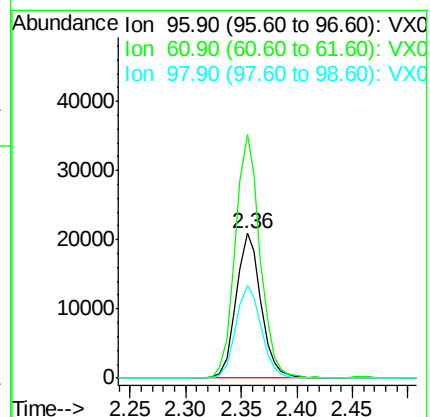
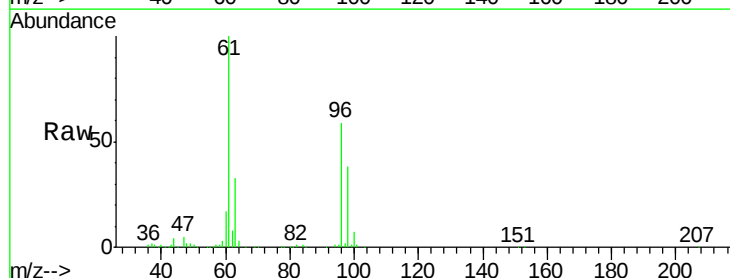
Tgt Ion: 96 Resp: 32553

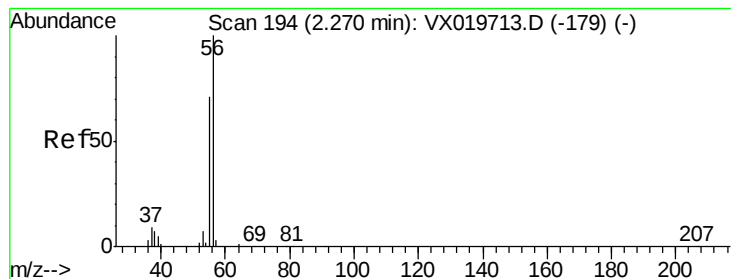
Ion Ratio Lower Upper

96 100

61 168.2 124.6 187.0

98 64.0 50.6 76.0





#13

Acrolein

Concen: 0.338 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

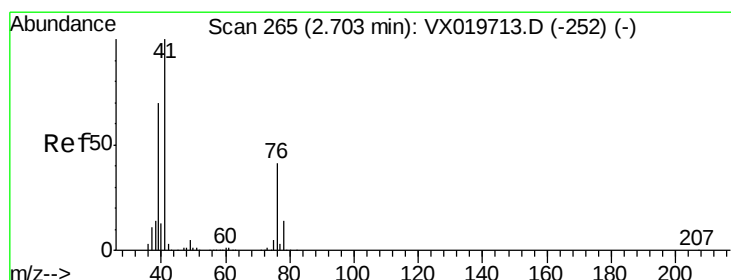
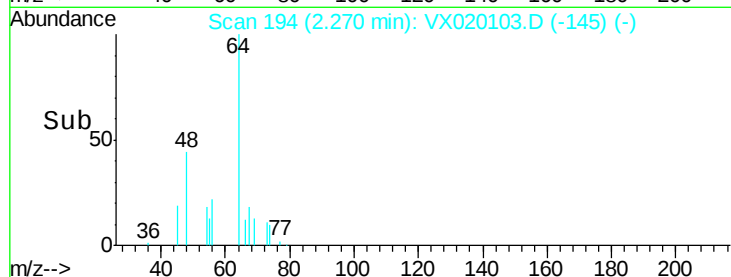
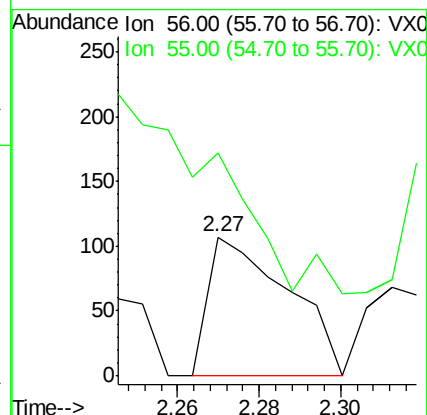
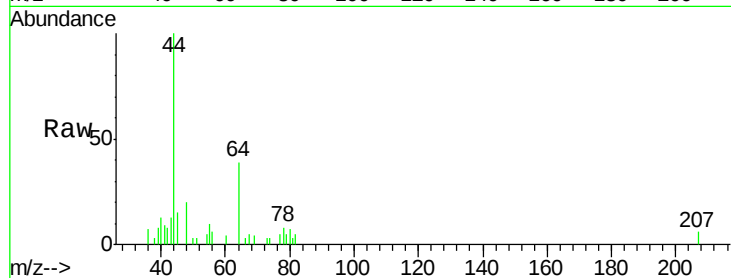
GROUNDWATER

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#14

Allyl chloride

Concen: 120.069 ug/l

RT: 2.59 min Scan# 246

Delta R.T. -0.12 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

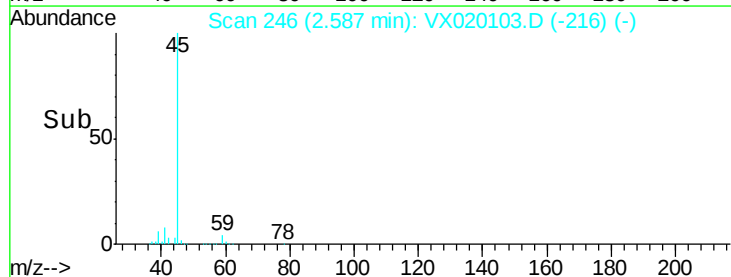
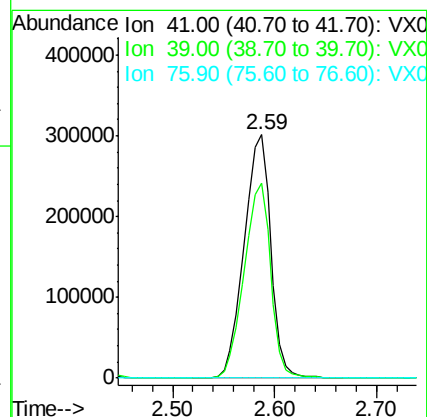
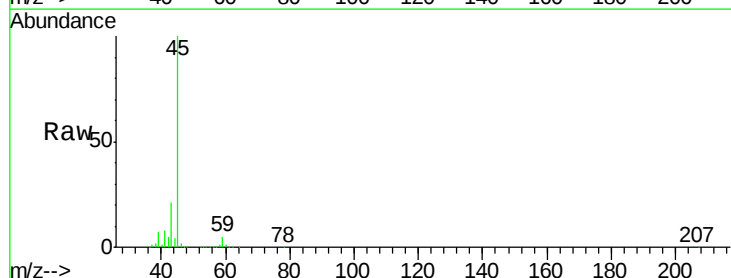
Tgt Ion: 41 Resp: 549011

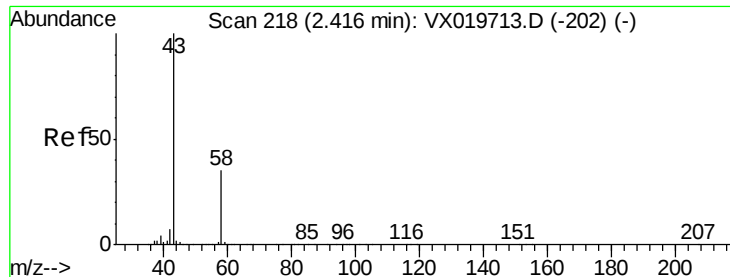
Ion Ratio Lower Upper

41 100

39 80.0 51.6 77.4#

76 0.0 30.5 45.7#





#16

Acetone

Concen: 2044.313 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

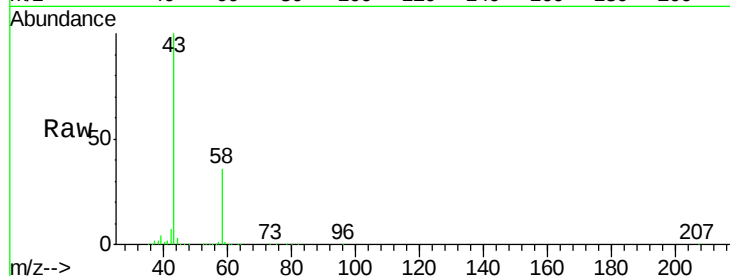
GROUNDWATER

Tgt Ion: 43 Resp: 2984195

Ion Ratio Lower Upper

43 100

58 35.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

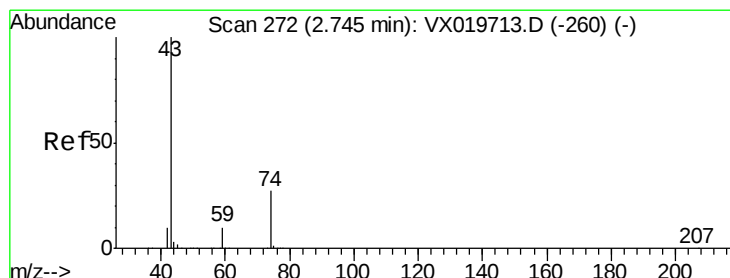
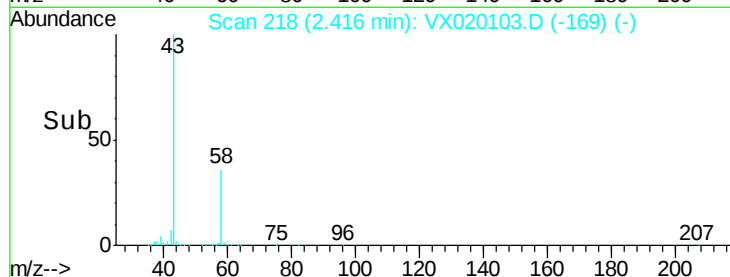
1500000

1000000

500000

0

Time--> 2.30 2.40 2.50



#18

Methyl Acetate

Concen: 391.255 ug/l

RT: 2.59 min Scan# 246

Delta R.T. -0.16 min

Lab File: VX020103.D

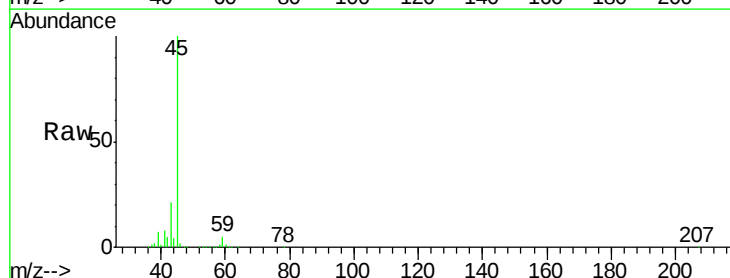
Acq: 17 Dec 2020 06:41

Tgt Ion: 43 Resp: 1397625

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.59

800000

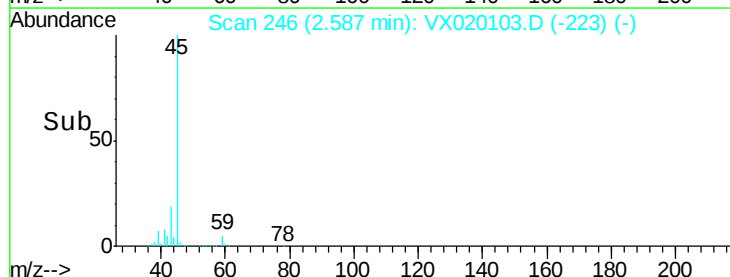
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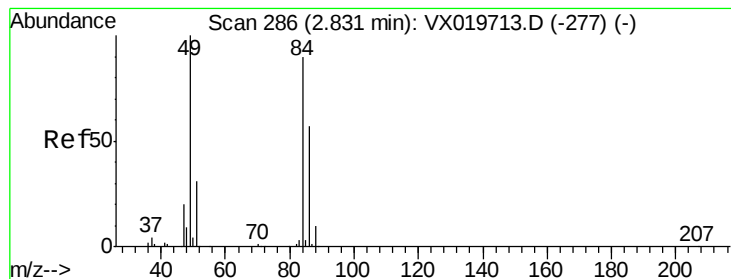
400000

200000

0

Time--> 2.50 2.60 2.70





#20

Methylene Chloride

Concen: 657.908 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tgt Ion: 84 Resp: 2134902

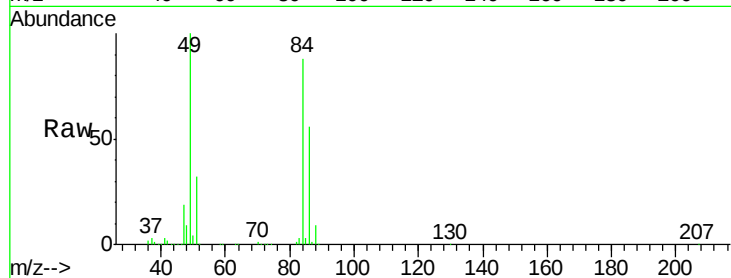
Ion Ratio Lower Upper

84 100

49 113.0 88.6 132.8

51 35.8 27.0 40.6

86 63.5 50.3 75.5

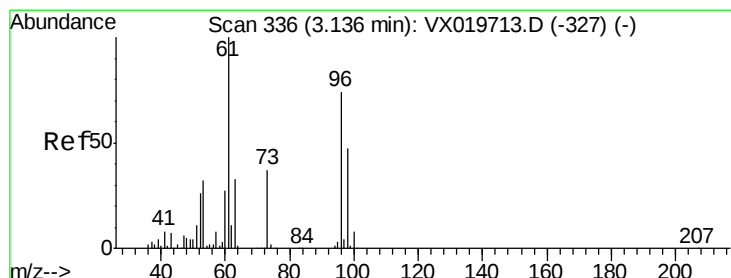
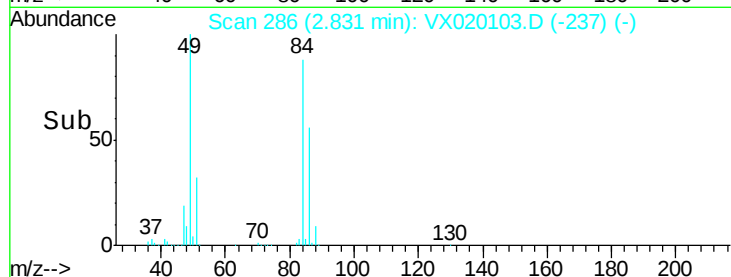
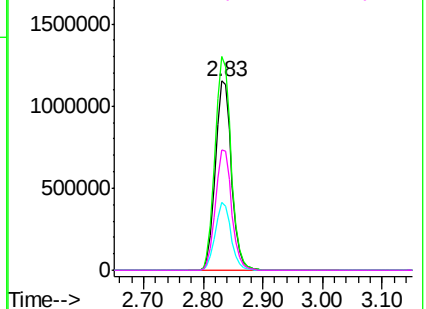


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.907 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

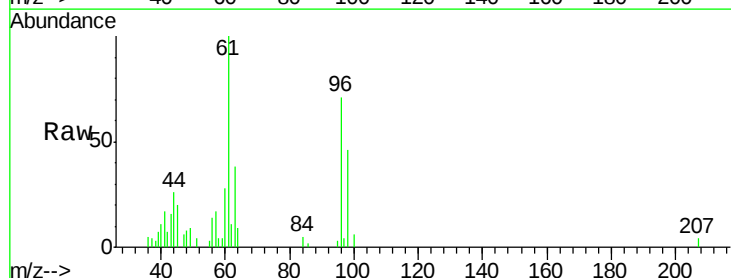
Tgt Ion: 96 Resp: 2863

Ion Ratio Lower Upper

96 100

61 141.8 107.7 161.5

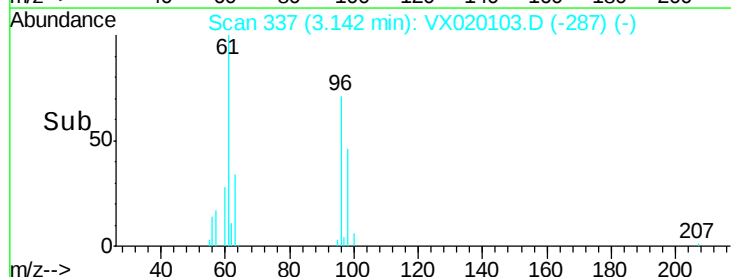
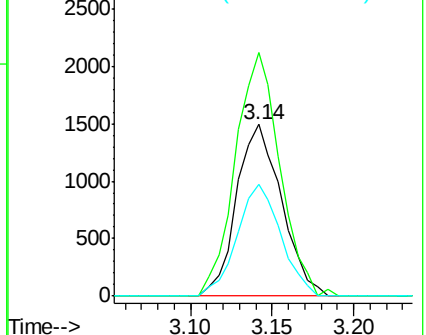
98 64.9 50.4 75.6

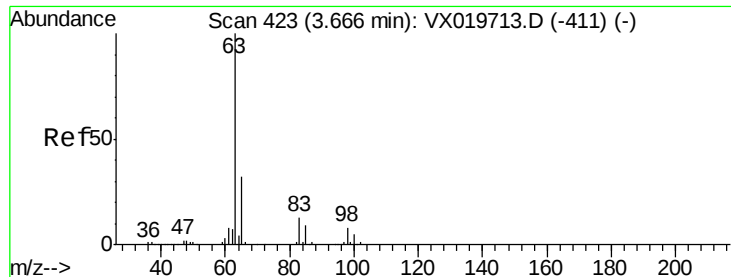


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 32.142 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

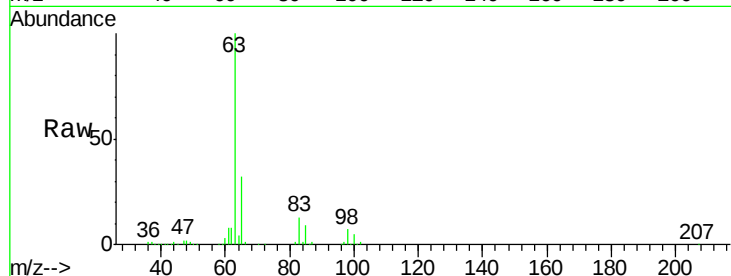
Tgt Ion: 63 Resp: 179189

Ion Ratio Lower Upper

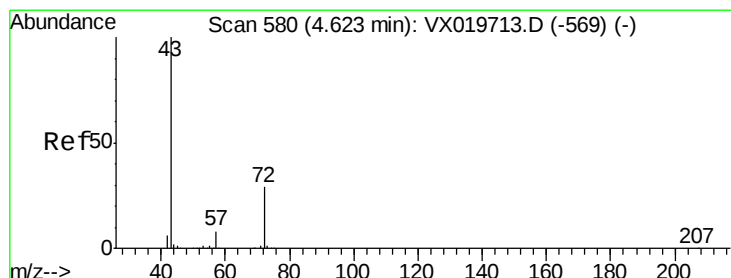
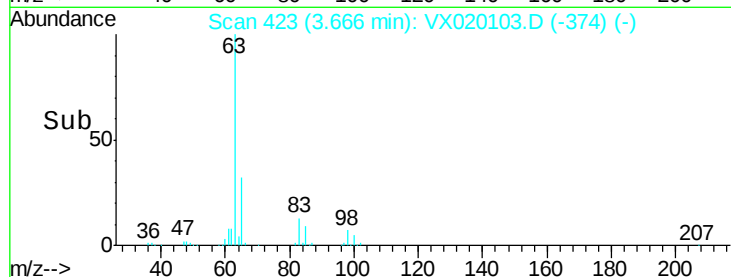
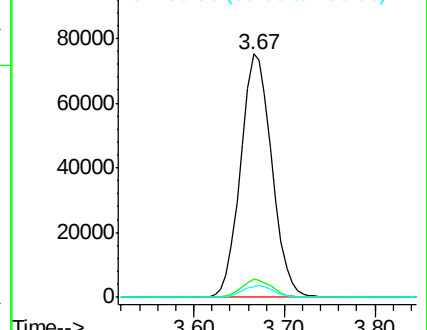
63 100

98 7.3 3.8 11.2

100 4.6 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 10.871 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020103.D

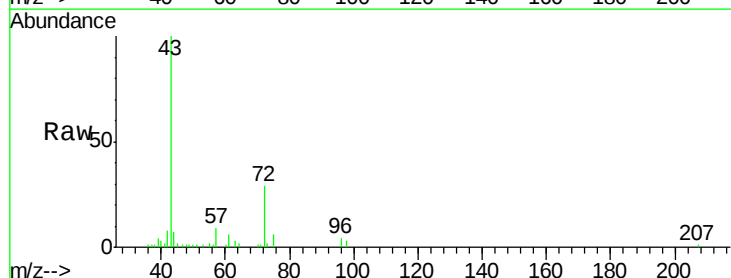
Acq: 17 Dec 2020 06:41

Tgt Ion: 43 Resp: 24385

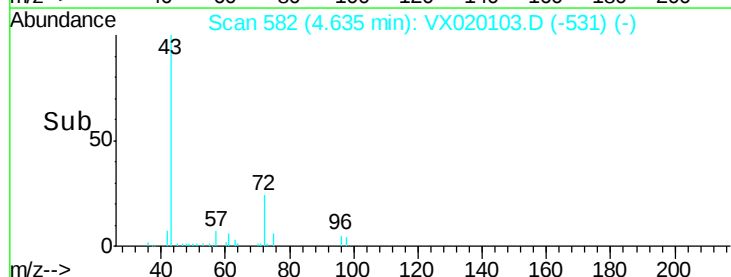
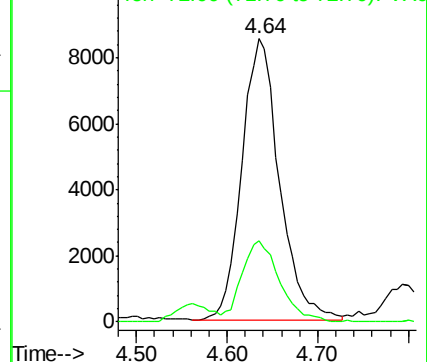
Ion Ratio Lower Upper

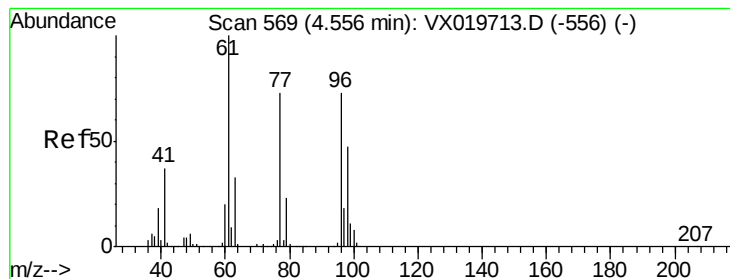
43 100

72 28.8 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



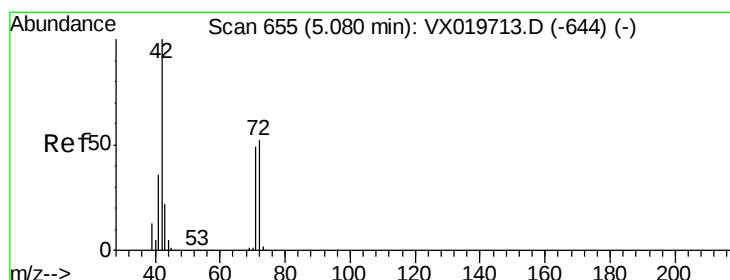
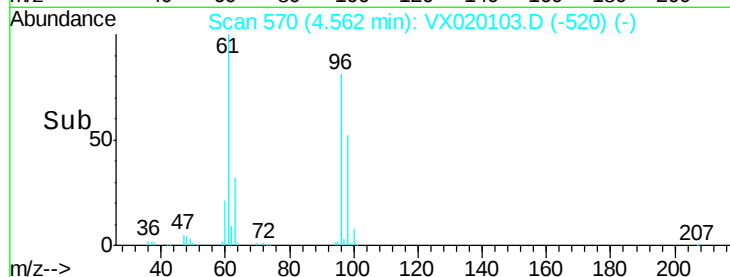
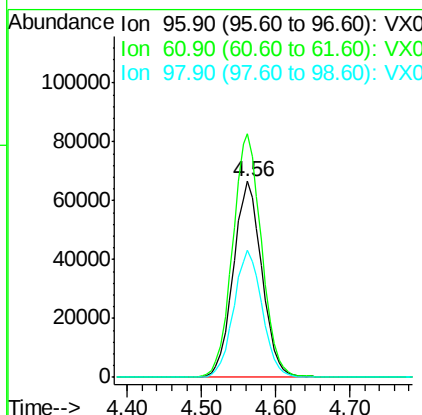
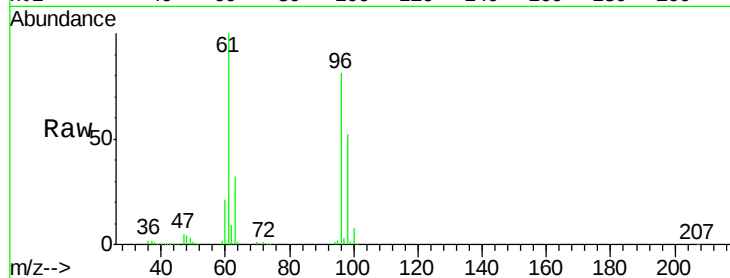


#27

cis-1,2-Dichloroethene
Concen: 48.511 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

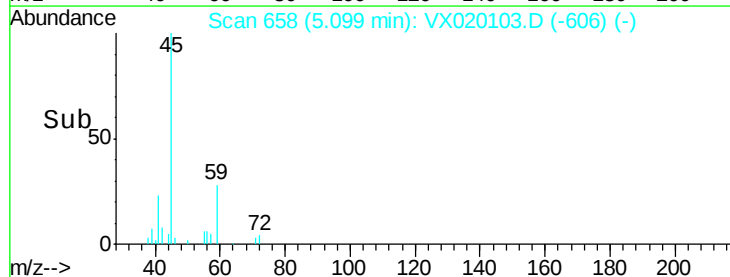
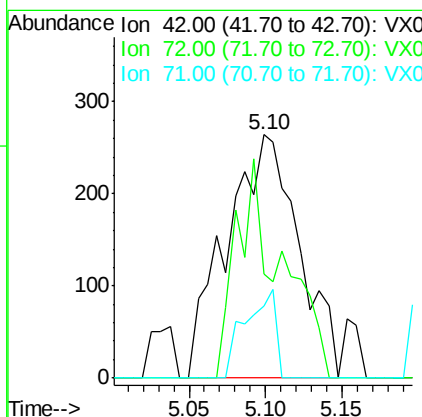
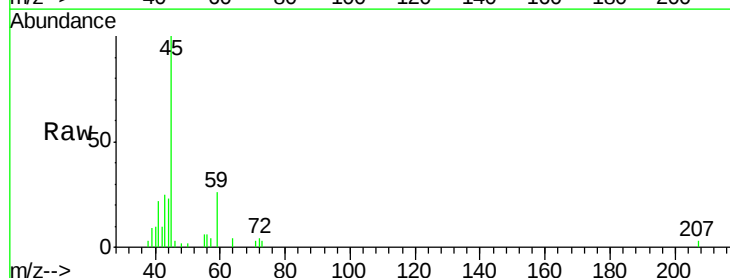
Tgt Ion: 96 Resp: 179187
Ion Ratio Lower Upper
96 100
61 125.3 0.0 285.6
98 64.7 0.0 129.6

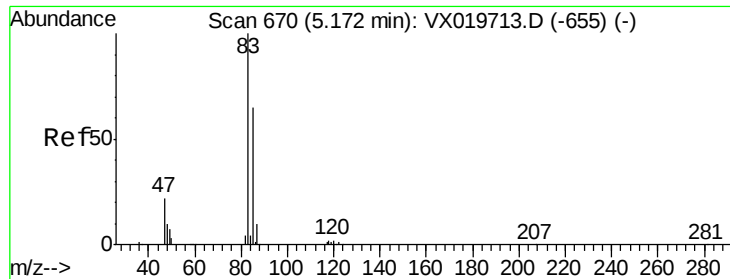


#29

Tetrahydrofuran
Concen: 0.603 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 42 Resp: 871
Ion Ratio Lower Upper
42 100
72 35.6 41.7 62.5#
71 15.3 38.4 57.6#

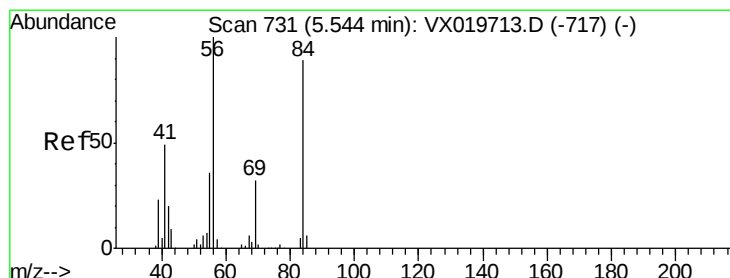
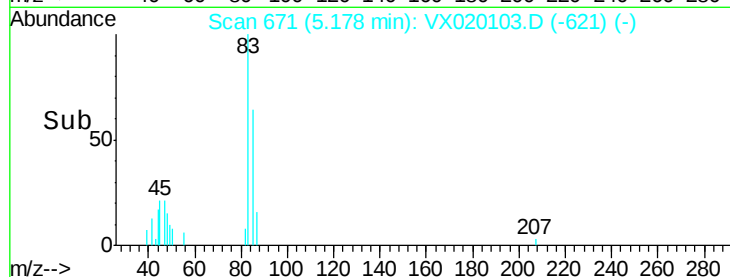
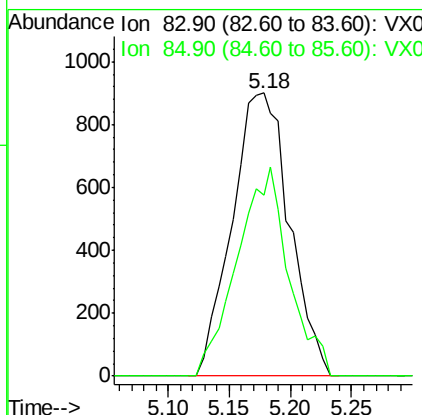
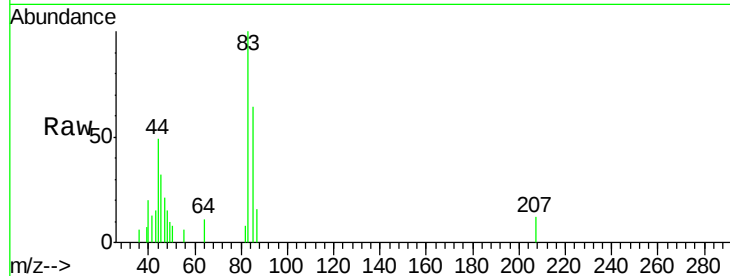




#30
Chloroform
Concen: 0.511 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

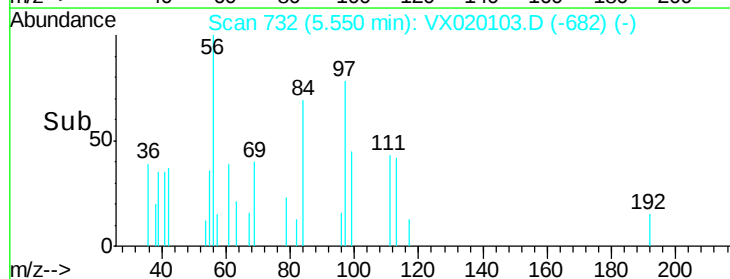
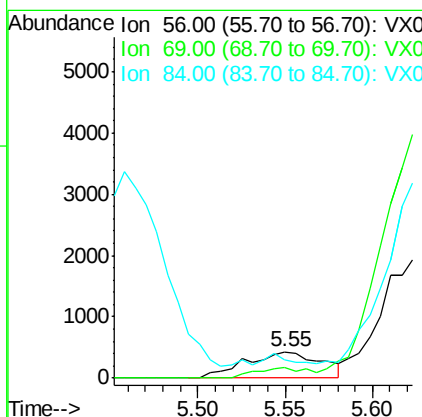
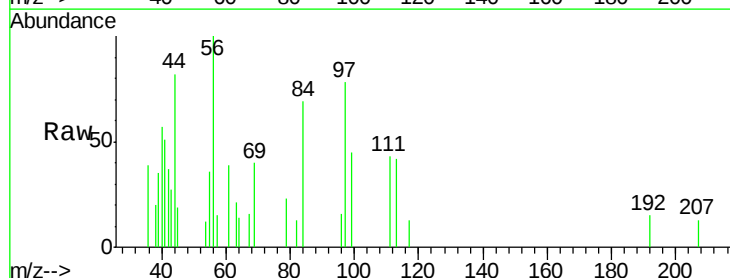
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

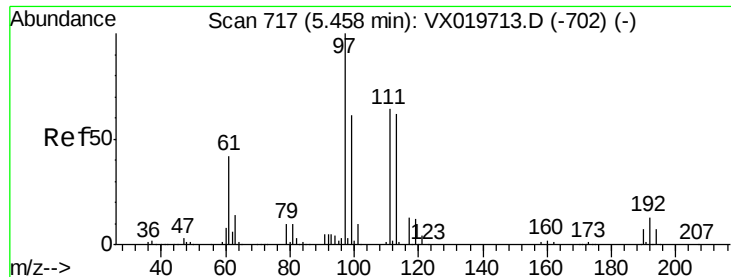
Tgt Ion: 83 Resp: 2932
Ion Ratio Lower Upper
83 100
85 63.9 52.0 78.0



#31
Cyclohexane
Concen: 0.270 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 56 Resp: 1302
Ion Ratio Lower Upper
56 100
69 40.5 25.3 37.9#
84 11.6 71.4 107.0#





#32

1,1,1-Trichloroethane

Concen: 121.382 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampled :

GROUNDWATER

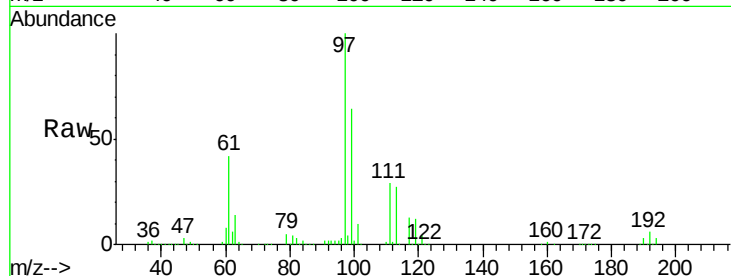
Tgt Ion: 97 Resp: 599203

Ion Ratio Lower Upper

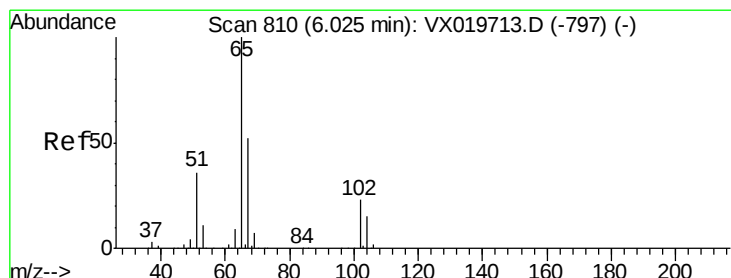
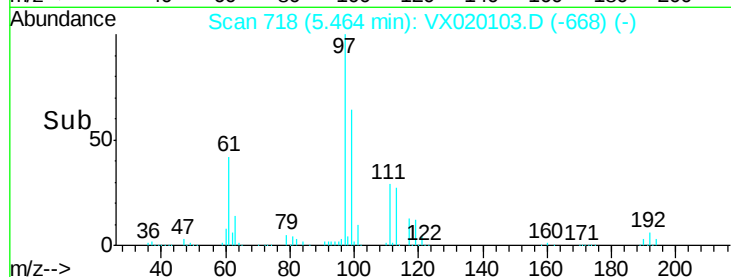
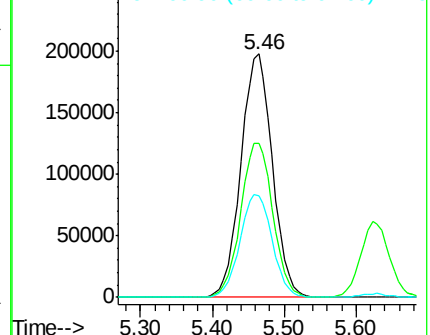
97 100

99 64.8 51.5 77.3

61 43.3 34.2 51.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.785 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX020103.D

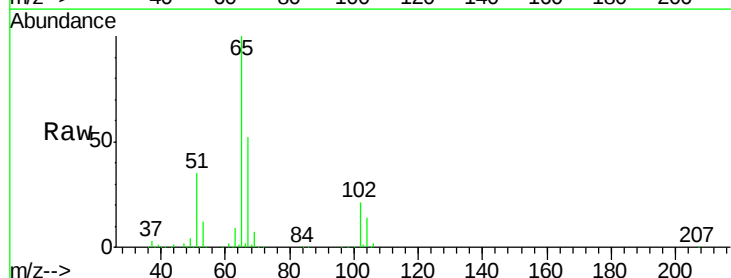
Acq: 17 Dec 2020 06:41

Tgt Ion: 65 Resp: 189464

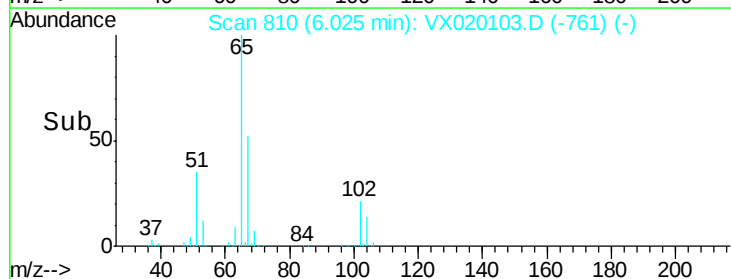
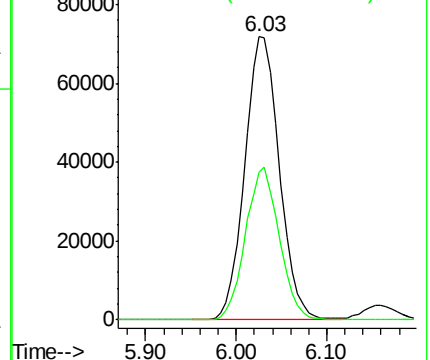
Ion Ratio Lower Upper

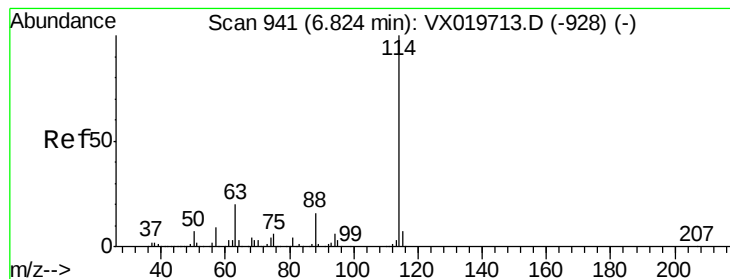
65 100

67 52.6 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

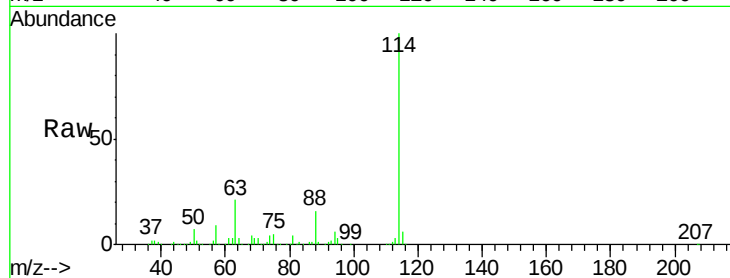
Tgt Ion:114 Resp: 490078

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

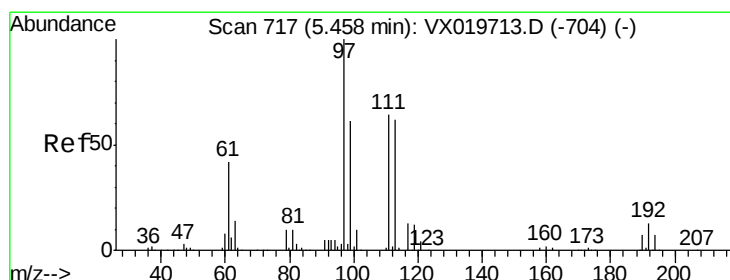
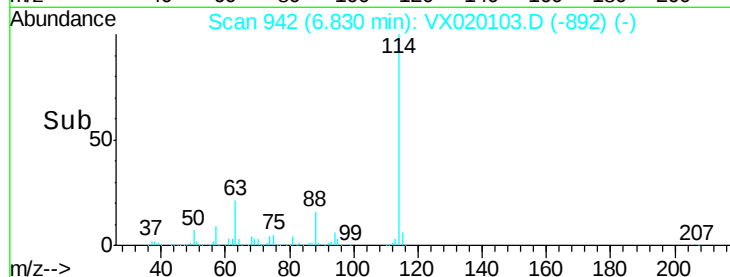
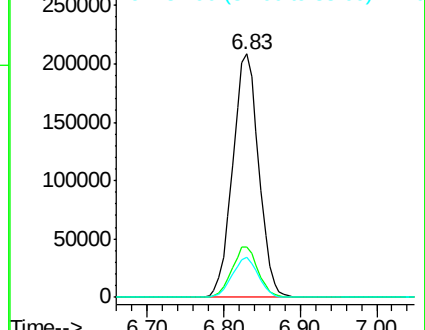
88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.118 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

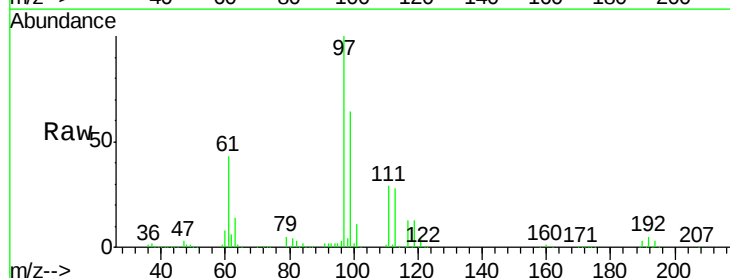
Tgt Ion:113 Resp: 155571

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

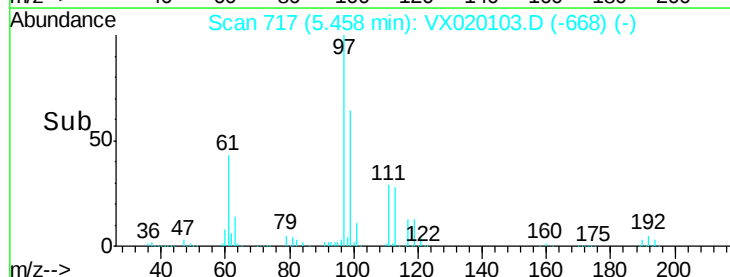
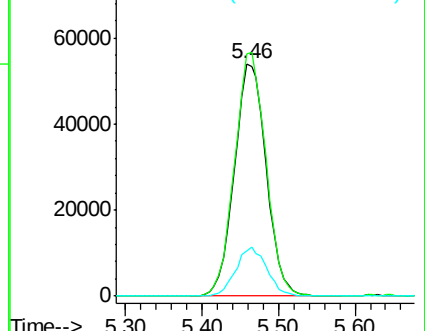
192 20.5 16.7 25.1

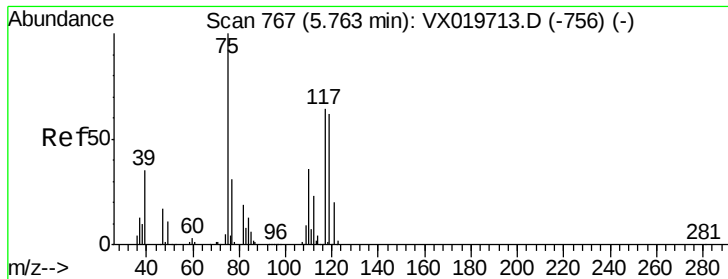


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

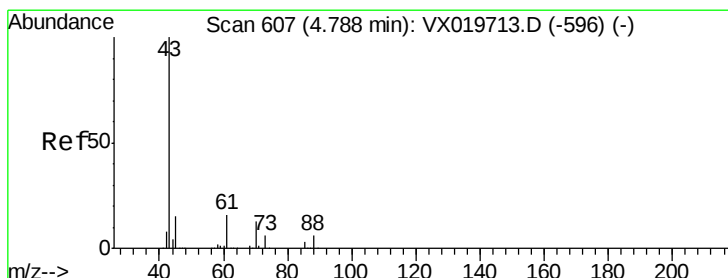
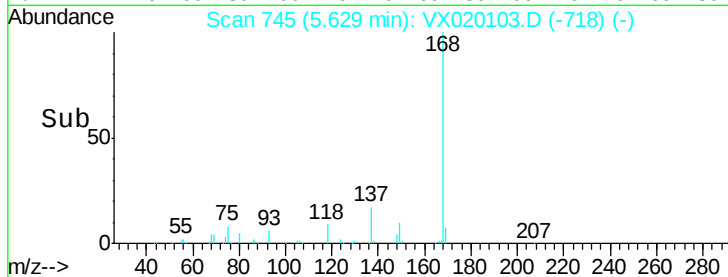
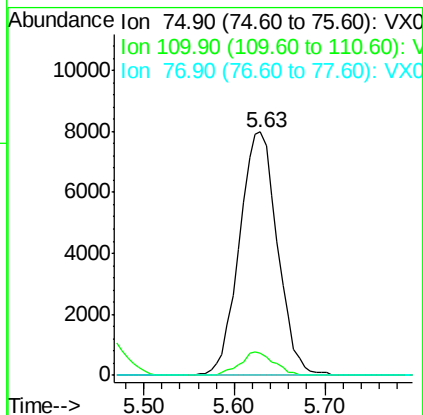
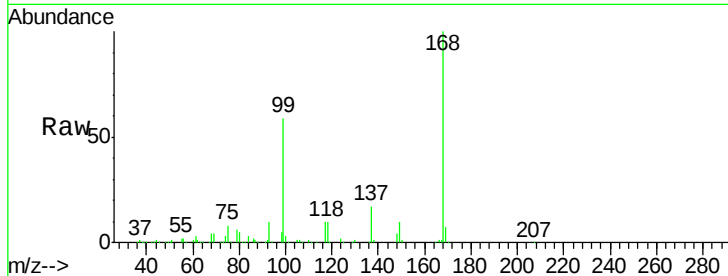




#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

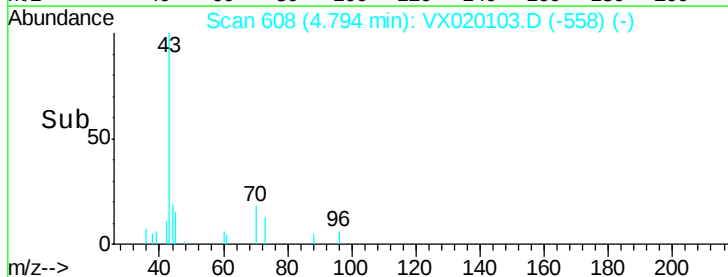
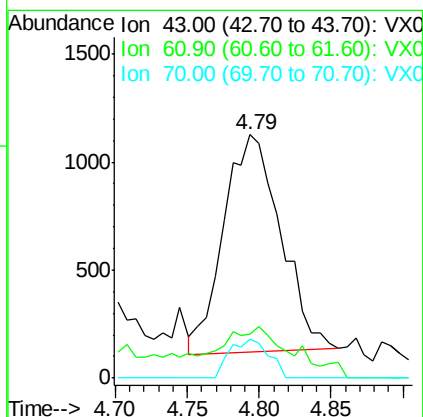
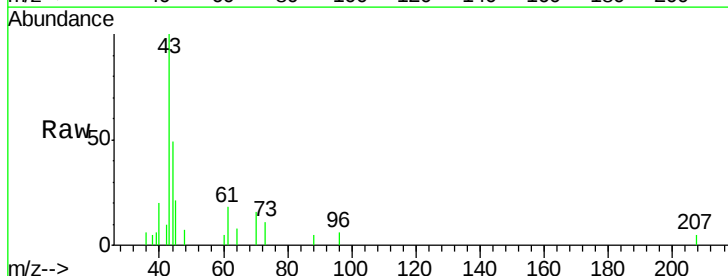
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

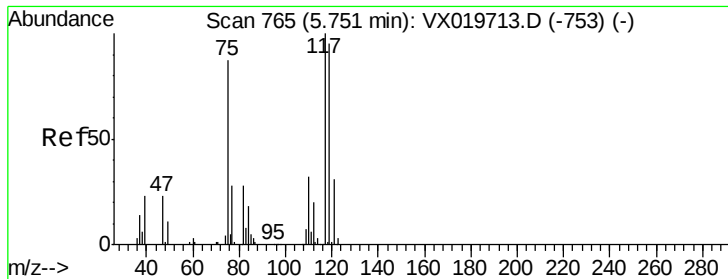
Tgt Ion: 75 Resp: 23132
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 0.621 ug/l
 RT: 4.79 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion: 43 Resp: 2776
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 12.1 10.5 15.7





#38

Carbon Tetrachloride

Concen: 6.624 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampled :

GROUNDWATER

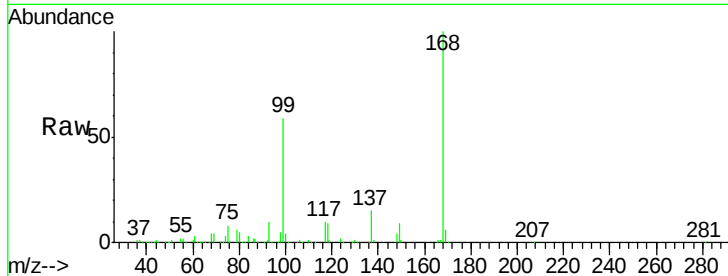
Tgt Ion:117 Resp: 28724

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

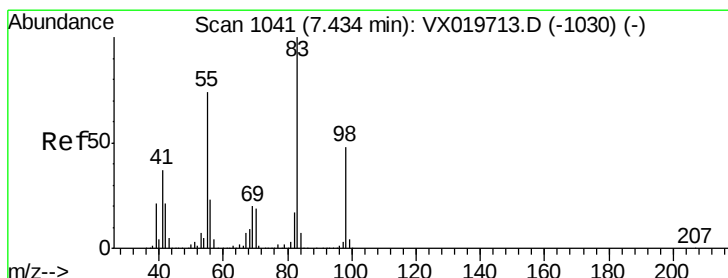
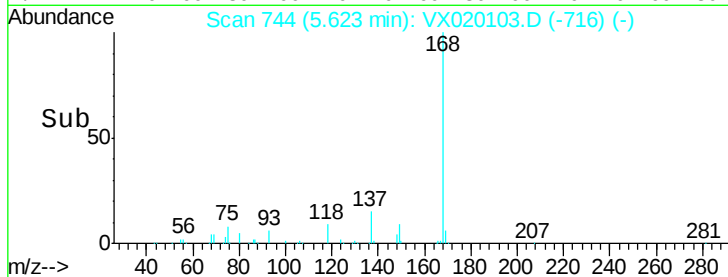
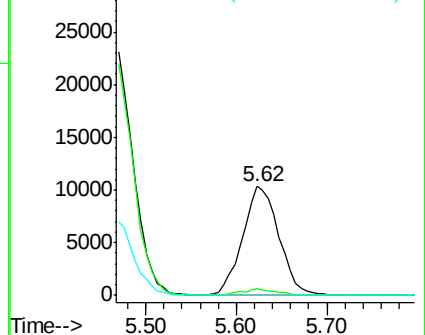
121 0.0 24.8 37.2#



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: 0.217 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

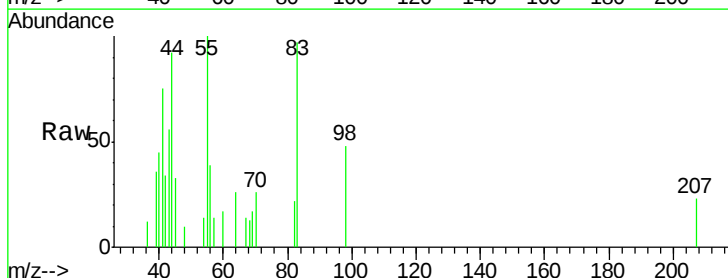
Tgt Ion: 83 Resp: 1127

Ion Ratio Lower Upper

83 100

55 102.6 58.9 88.3#

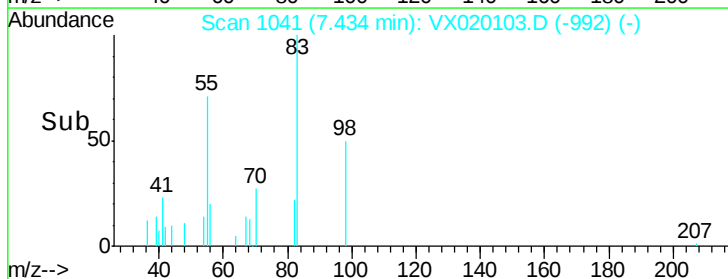
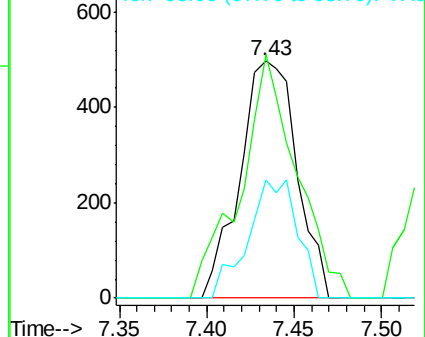
98 49.6 38.1 57.1

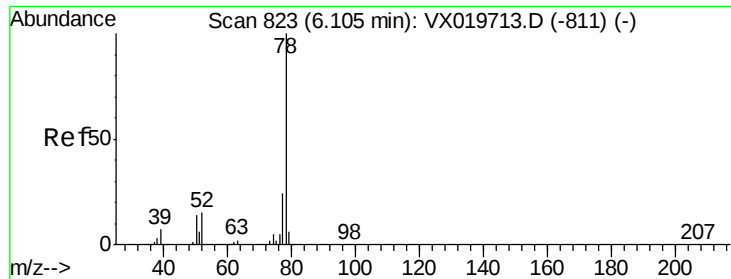


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 16.573 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

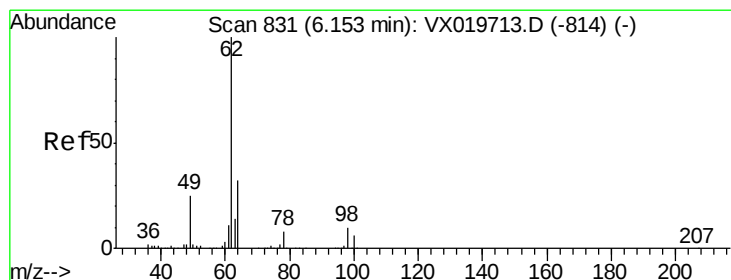
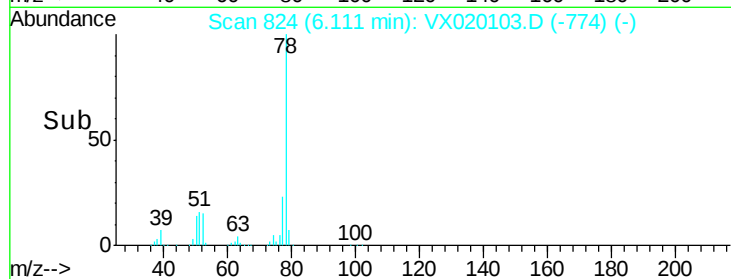
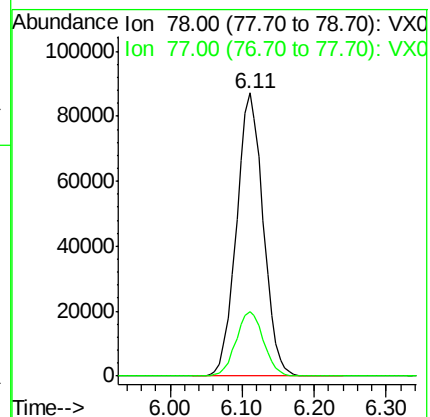
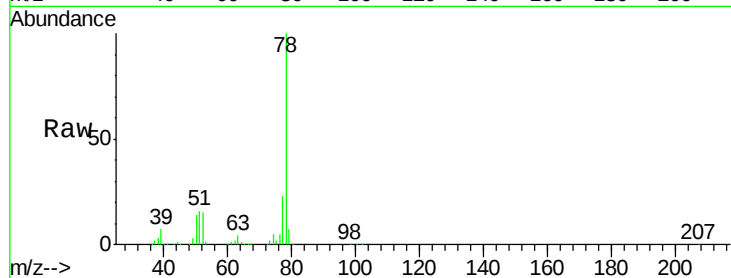
GROUNDWATER

Tgt Ion: 78 Resp: 224196

Ion Ratio Lower Upper

78 100

77 22.9 18.9 28.3



#42

1,2-Dichloroethane

Concen: 49.122 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.01 min

Lab File: VX020103.D

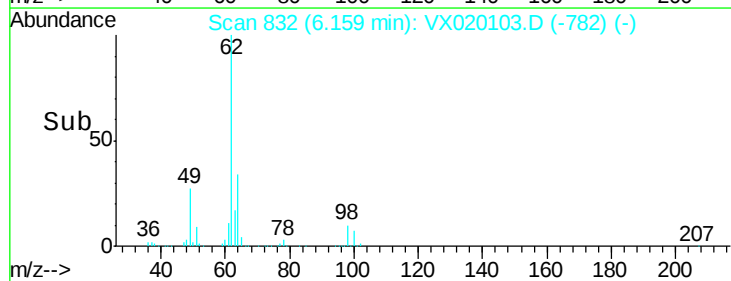
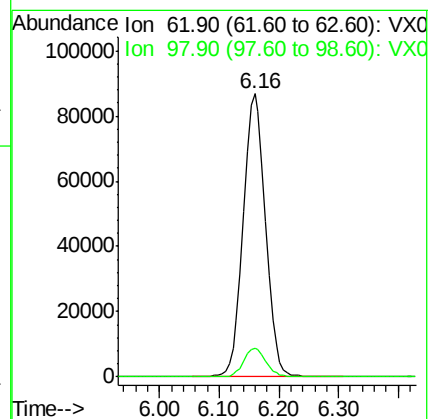
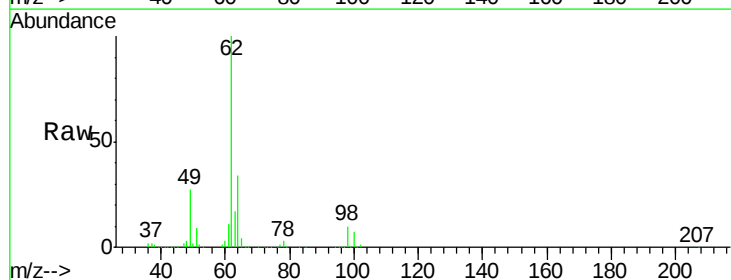
Acq: 17 Dec 2020 06:41

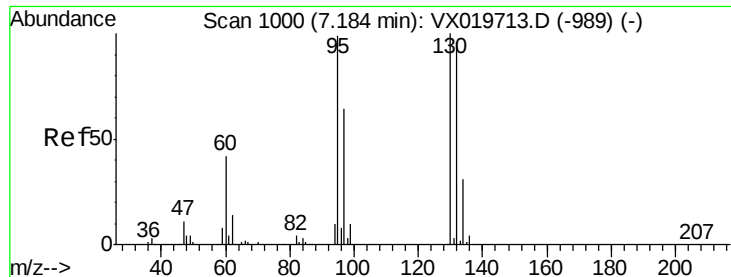
Tgt Ion: 62 Resp: 227043

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.2





#44

Trichloroethene

Concen: 27.966 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

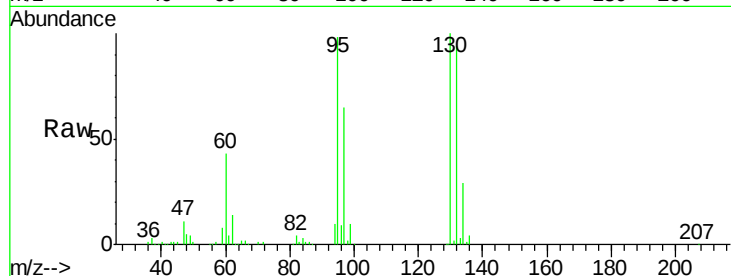
GROUNDWATER

Tgt Ion:130 Resp: 99260

Ion Ratio Lower Upper

130 100

95 97.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.18

50000

40000

30000

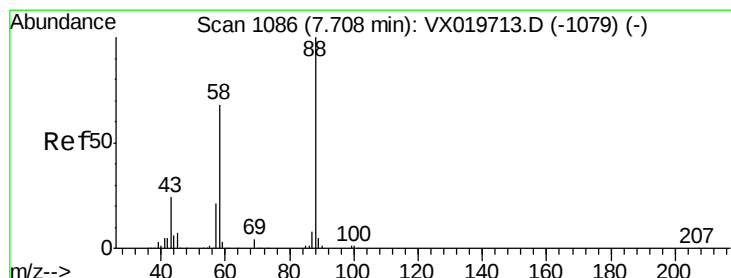
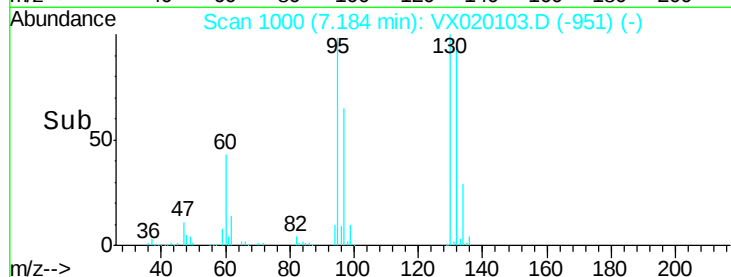
20000

10000

0

Time-->

7.10 7.20 7.30



#49

1,4-Dioxane

Concen: 0.266 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

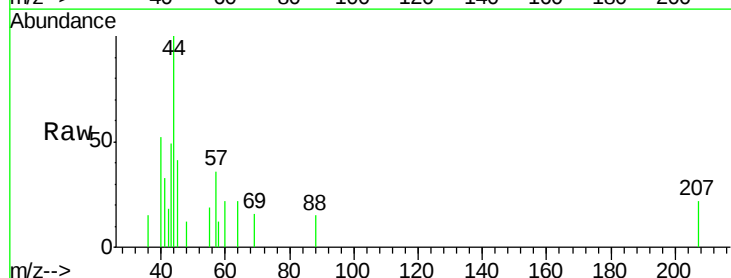
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 0.0 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300

250

200

150

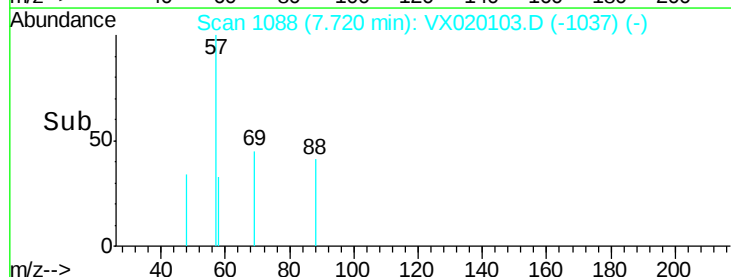
100

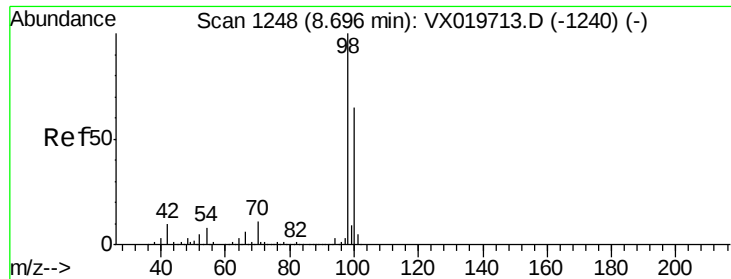
50

0

Time-->

7.70 7.71 7.72 7.73 7.74

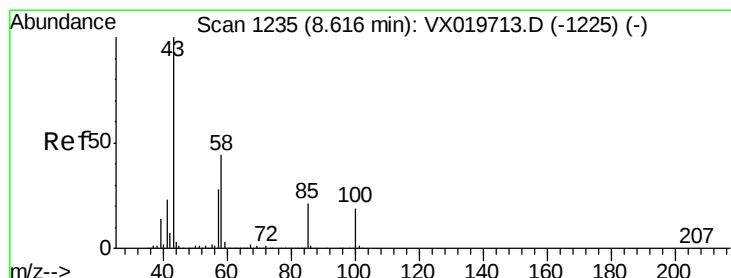
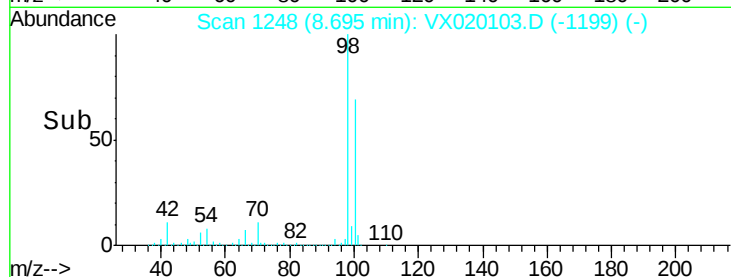
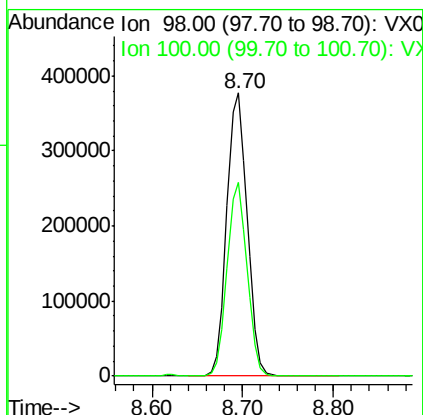
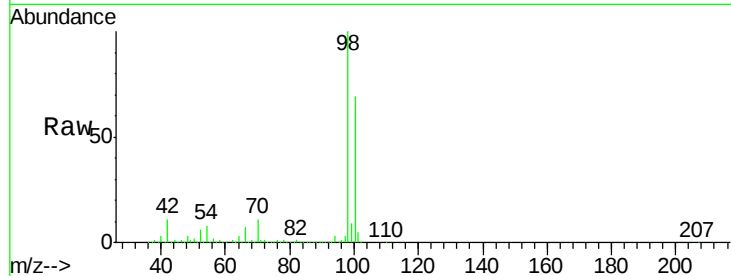




#50
Toluene-d8
Concen: 48.902 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

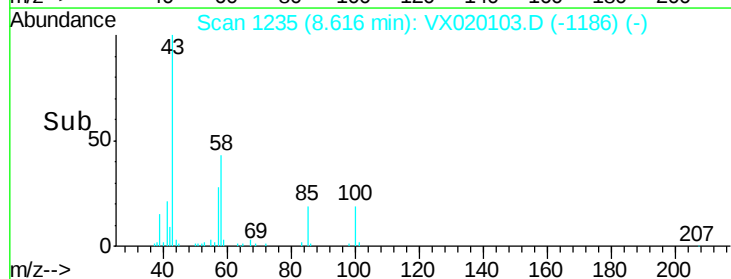
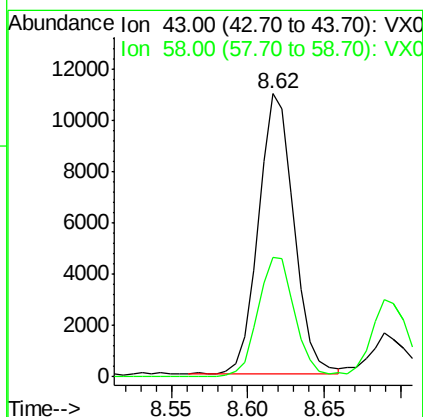
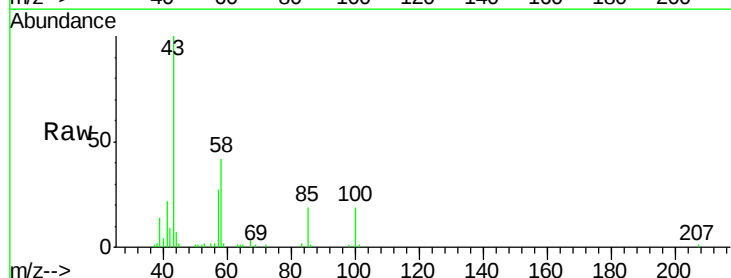
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

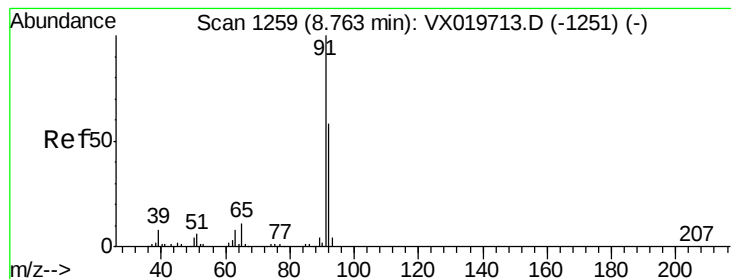
Tgt Ion: 98 Resp: 591318
Ion Ratio Lower Upper
98 100
100 66.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 3.995 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 43 Resp: 17732
Ion Ratio Lower Upper
43 100
58 43.9 35.4 53.0





#52

Toluene

Concen: 39.478 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

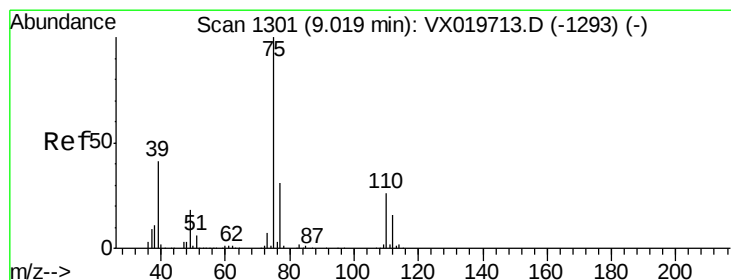
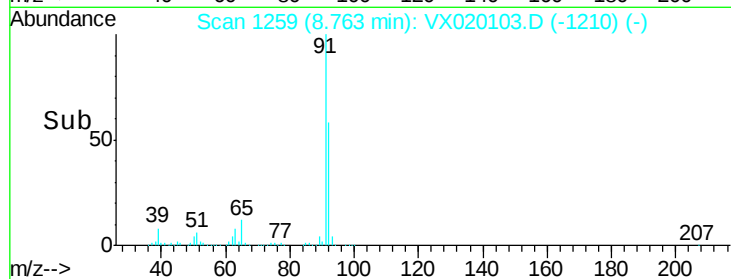
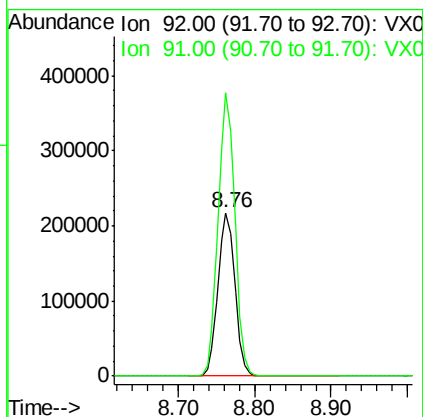
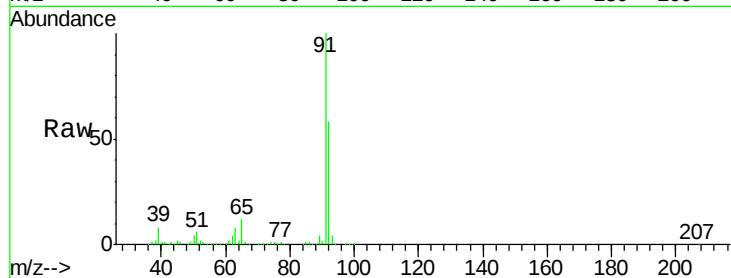
GROUNDWATER

Tgt Ion: 92 Resp: 334020

Ion Ratio Lower Upper

92 100

91 172.0 137.1 205.7



#53

t-1,3-Dichloropropene

Concen: 0.730 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.26 min

Lab File: VX020103.D

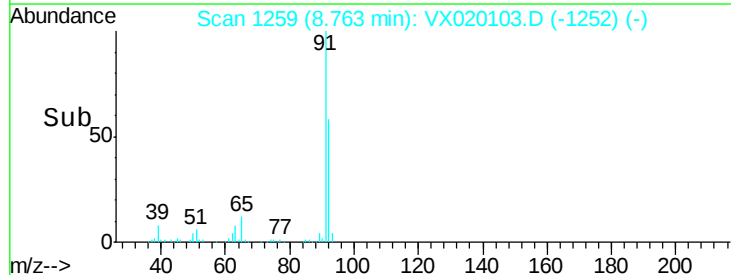
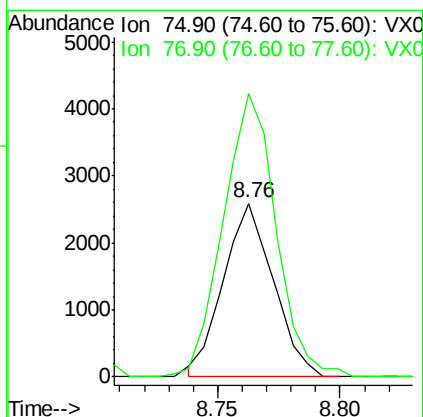
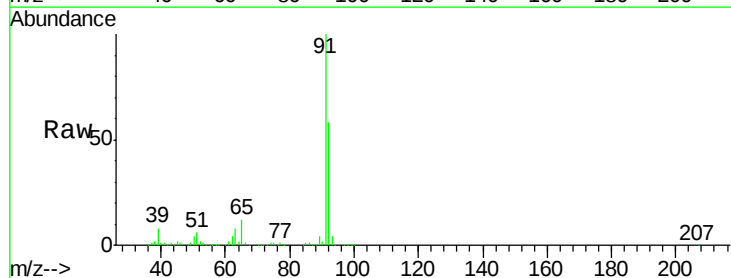
Acq: 17 Dec 2020 06:41

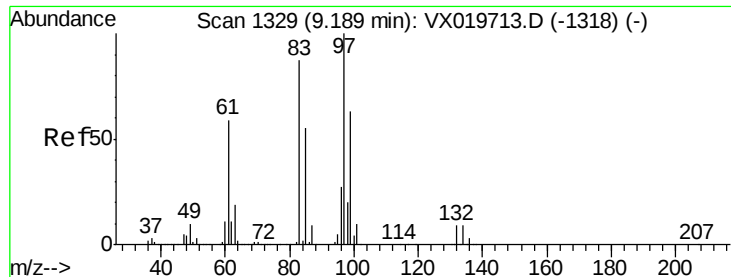
Tgt Ion: 75 Resp: 3670

Ion Ratio Lower Upper

75 100

77 158.7 24.9 37.3#

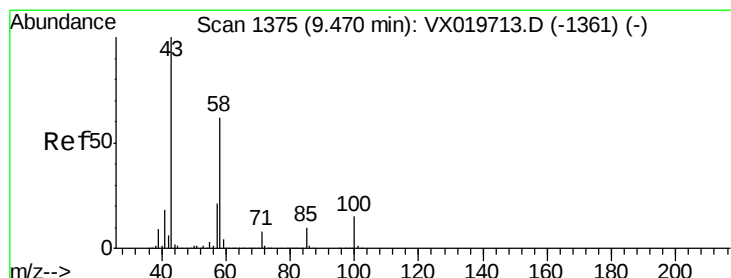
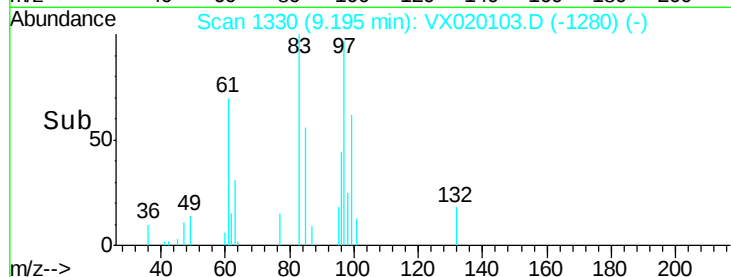
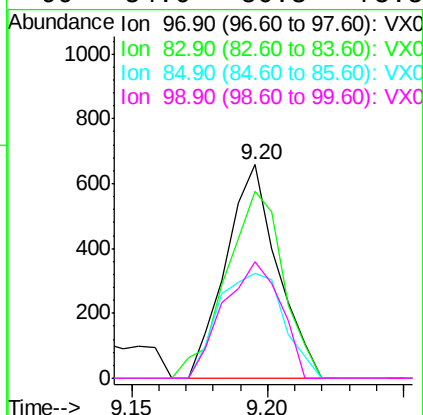
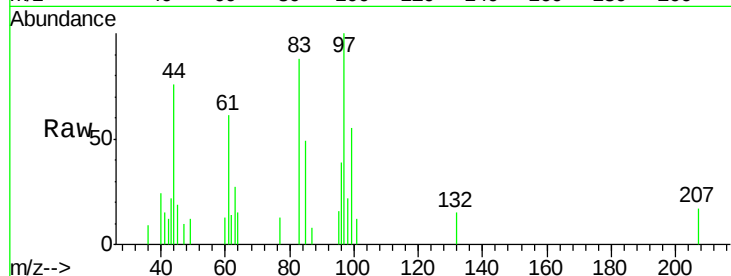




#55
 1,1,2-Trichloroethane
 Concen: 0.255 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

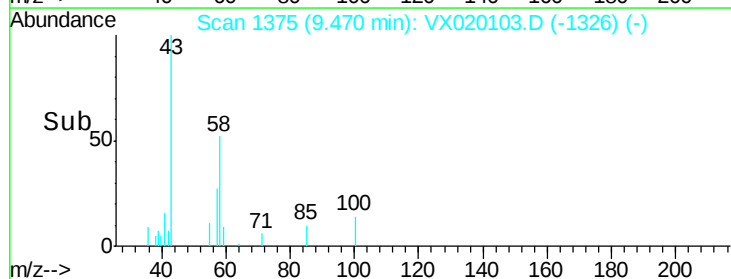
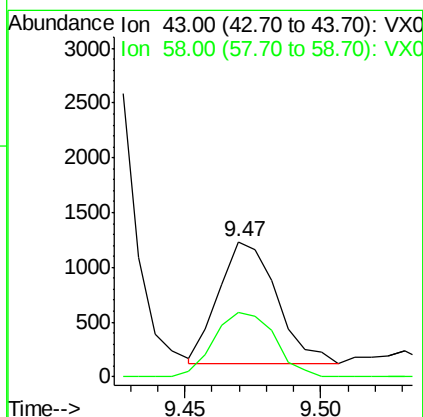
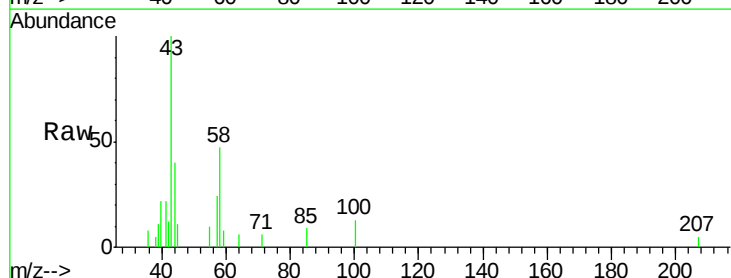
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

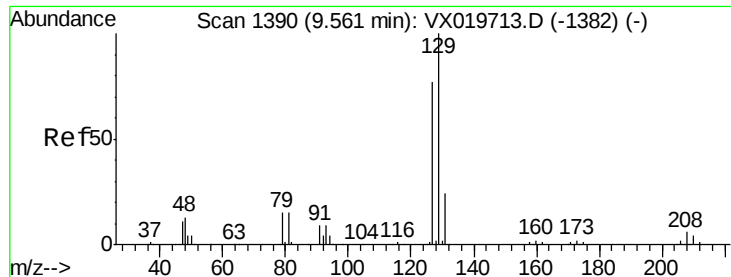
Tgt Ion:	97	Resp:	869
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.3	103.9
85	48.9	44.3	66.5
99	54.6	50.3	75.5



#59
 2-Hexanone
 Concen: 0.478 ug/l
 RT: 9.47 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion:	43	Resp:	1643
Ion	Ratio	Lower	Upper
43	100		
58	55.6	30.9	92.8

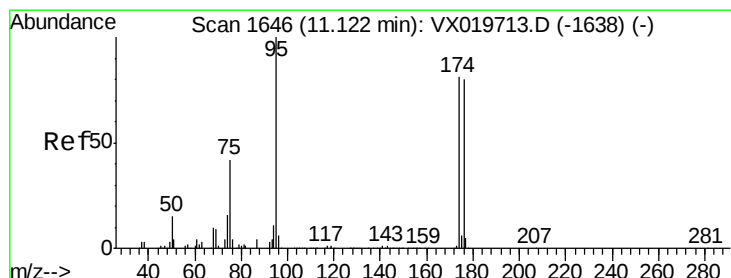
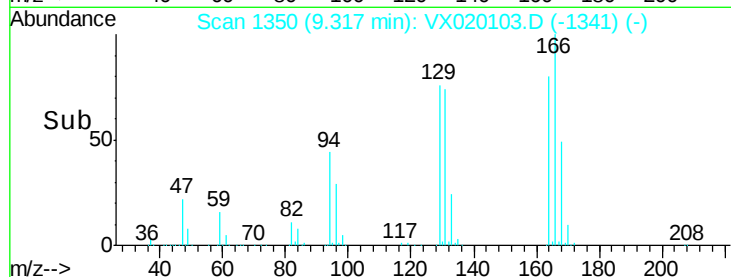
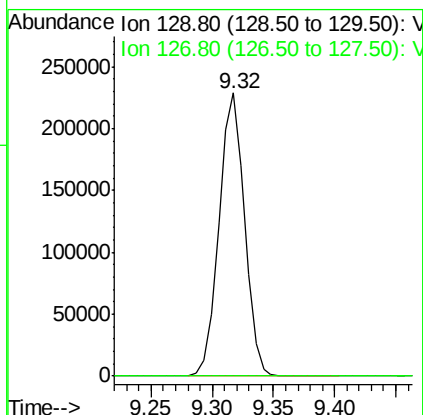
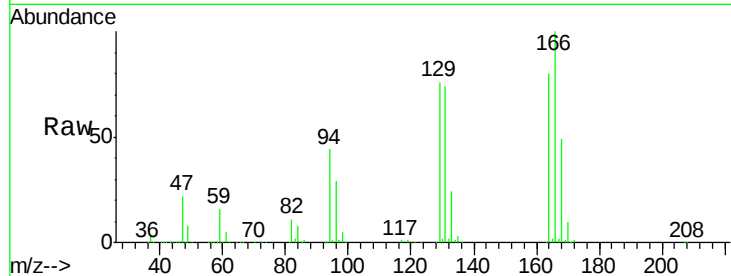




#60
Dibromochloromethane
Concen: 95.607 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.24 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

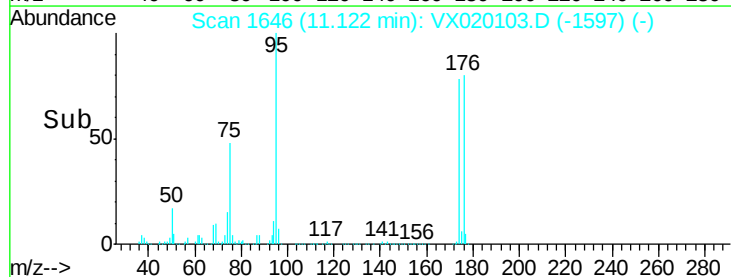
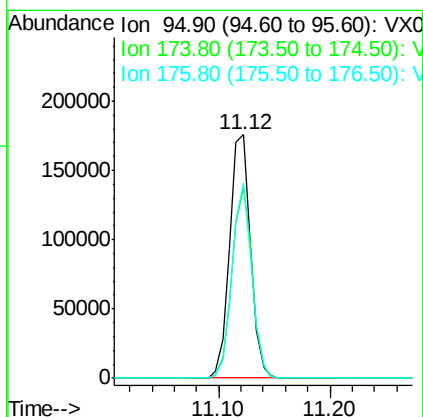
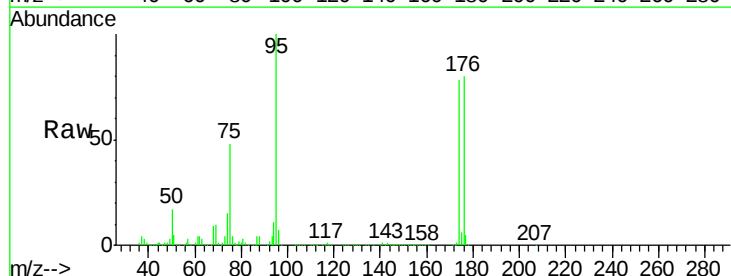
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

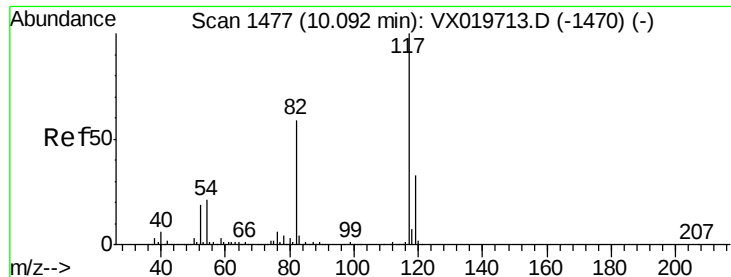
Tgt Ion:129 Resp: 331191
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.380 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 95 Resp: 227264
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 75.2 0.0 155.8

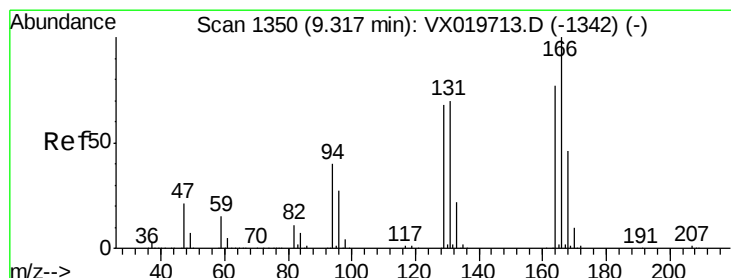
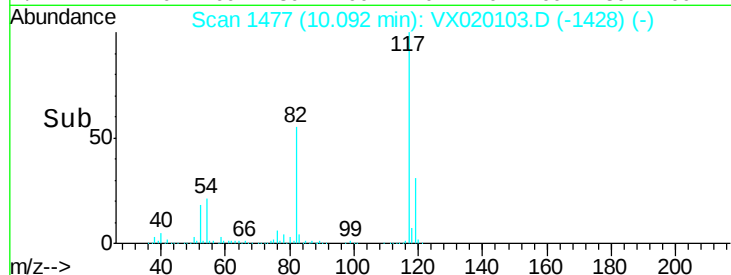
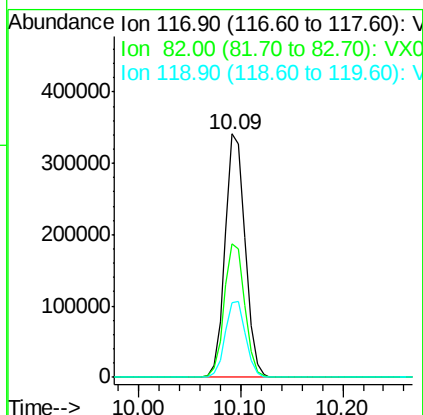
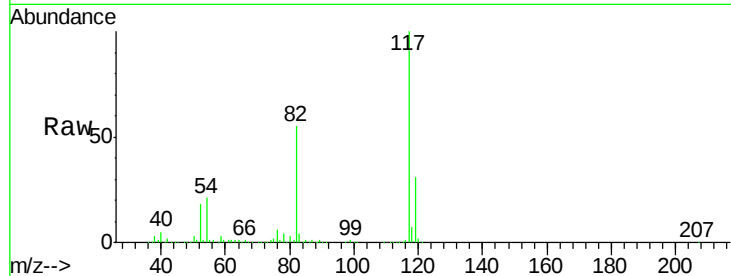




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

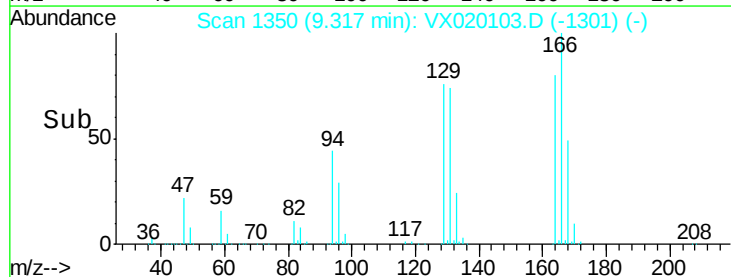
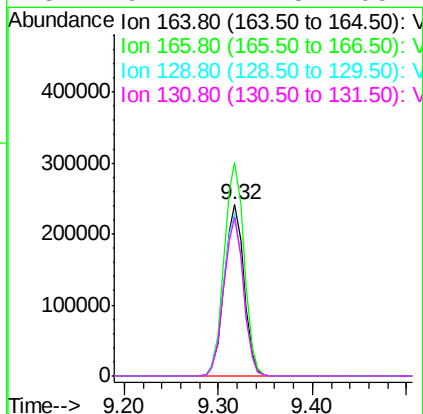
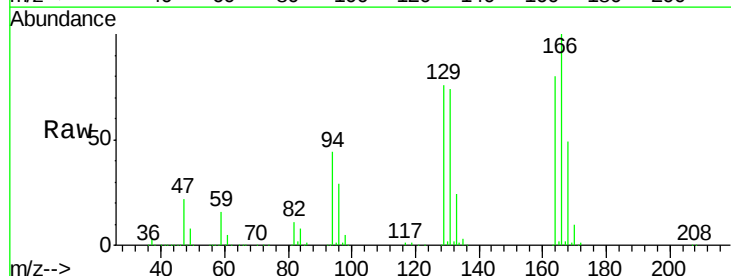
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

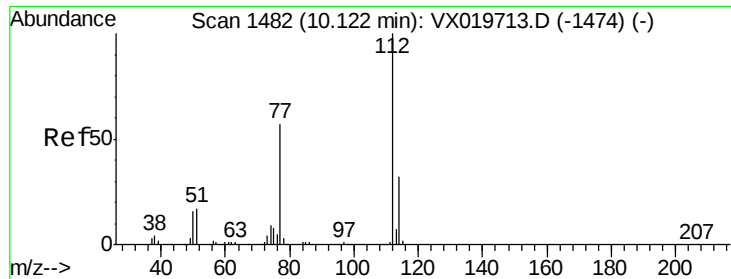
Tgt Ion:117 Resp: 463898
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 30.6 26.6 39.8



#64
Tetrachloroethene
Concen: 112.273 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion:164 Resp: 349281
Ion Ratio Lower Upper
164 100
166 124.6 103.4 155.2
129 94.8 70.8 106.2
131 92.2 72.5 108.7

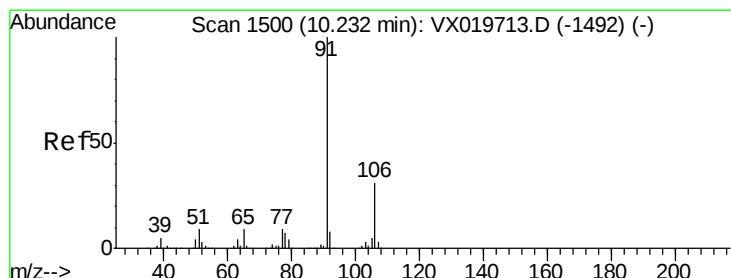
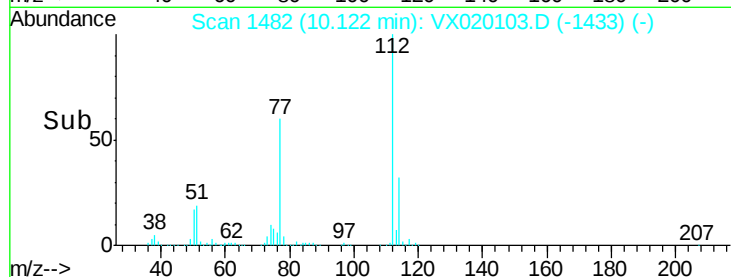
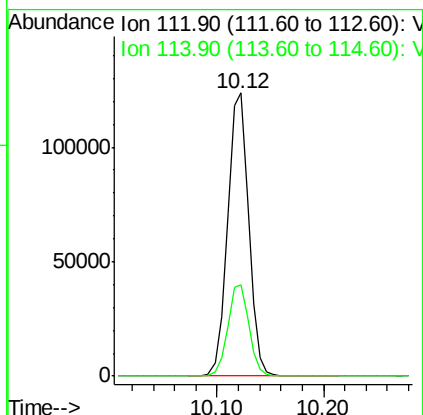
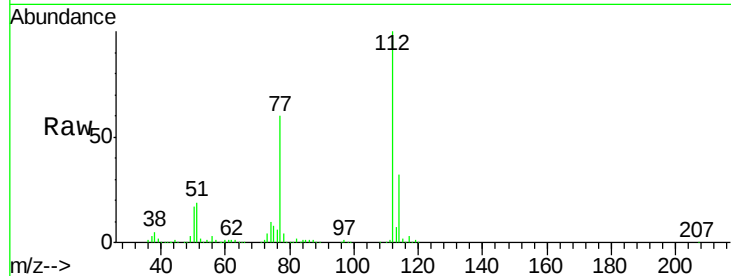




#65
Chlorobenzene
Concen: 18.531 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

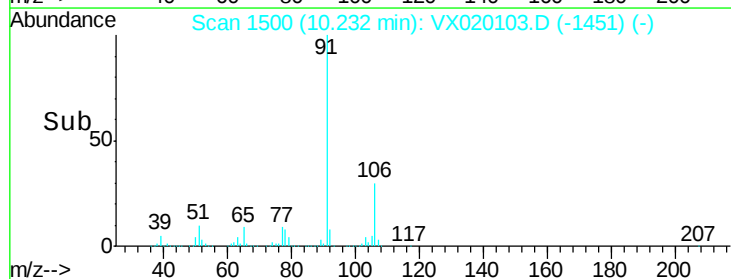
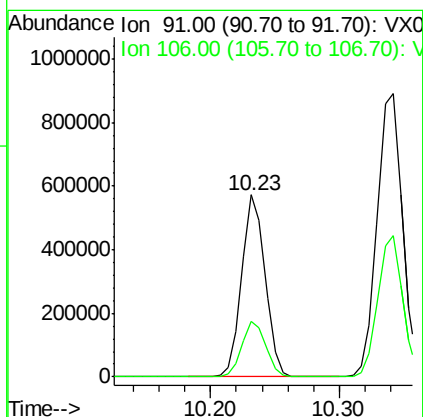
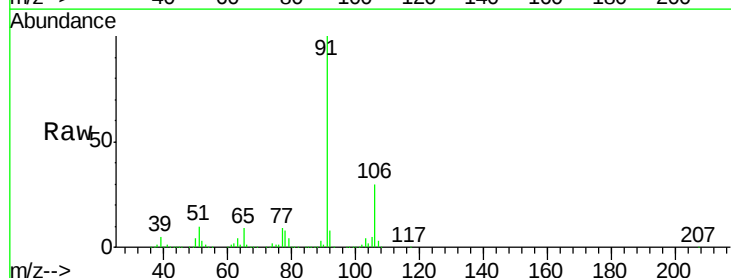
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

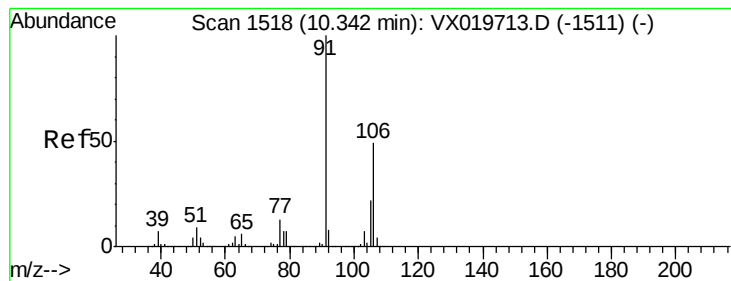
Tgt Ion: 112 Resp: 171262
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#67
Ethyl Benzene
Concen: 43.904 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 91 Resp: 720262
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0





#68

m/p-Xylenes

Concen: 95.362 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

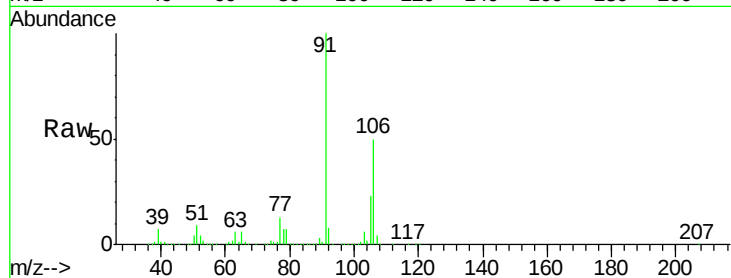
GROUNDWATER

Tgt Ion:106 Resp: 589503

Ion Ratio Lower Upper

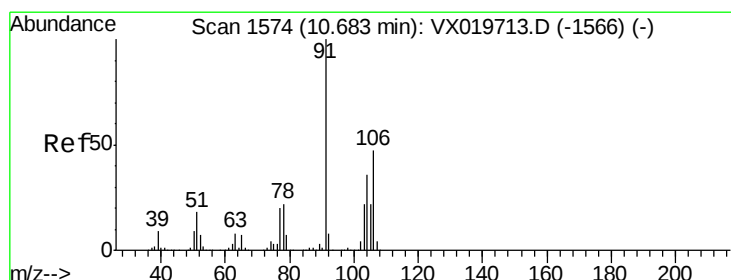
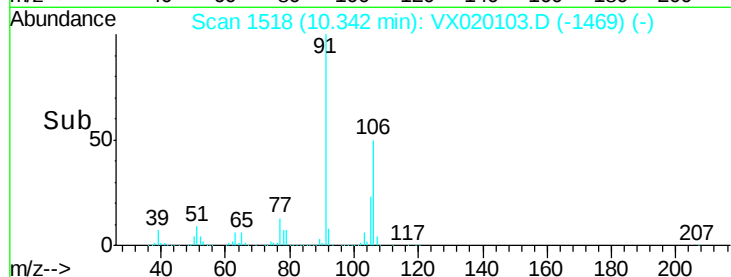
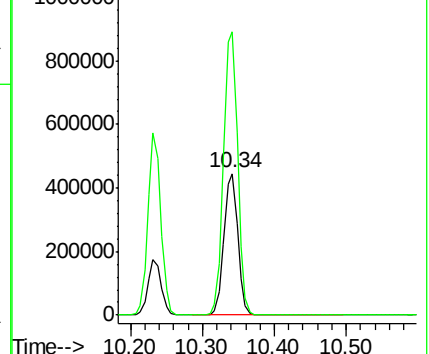
106 100

91 204.6 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 33.319 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020103.D

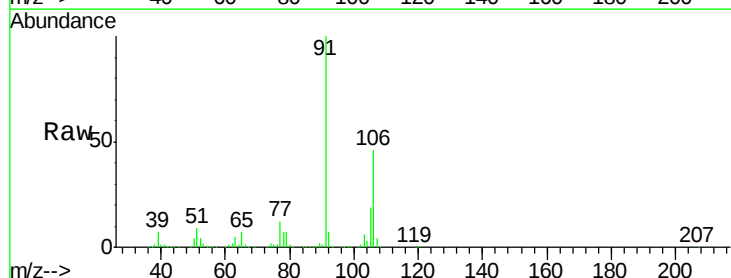
Acq: 17 Dec 2020 06:41

Tgt Ion:106 Resp: 198129

Ion Ratio Lower Upper

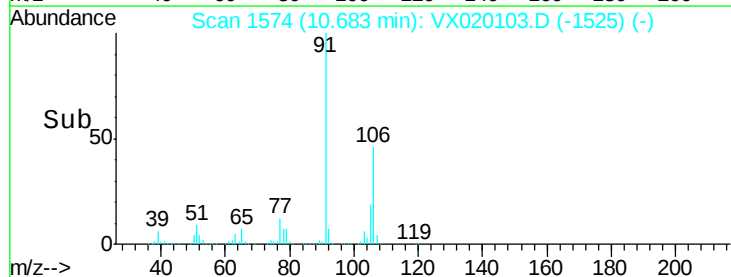
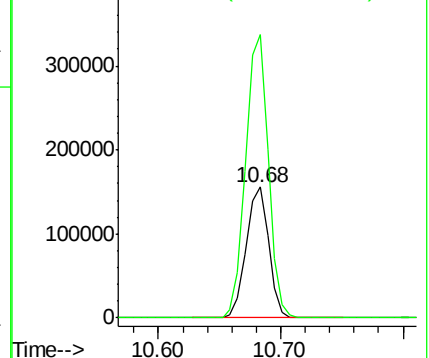
106 100

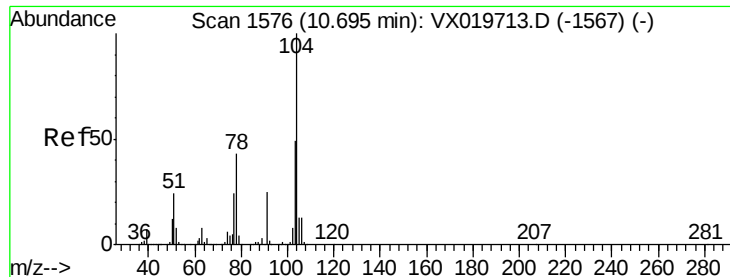
91 218.2 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Styrene

Concen: 1.363 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

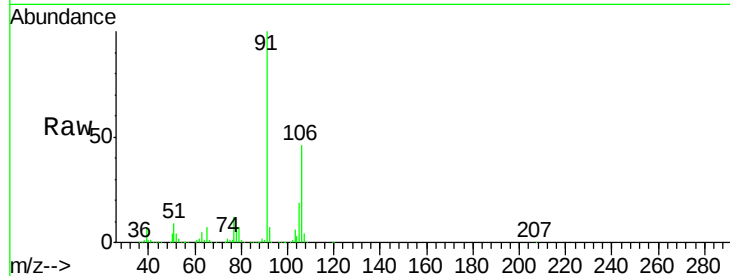
Tgt Ion:104 Resp: 13683

Ion Ratio Lower Upper

104 100

78 222.3 40.0 60.0#

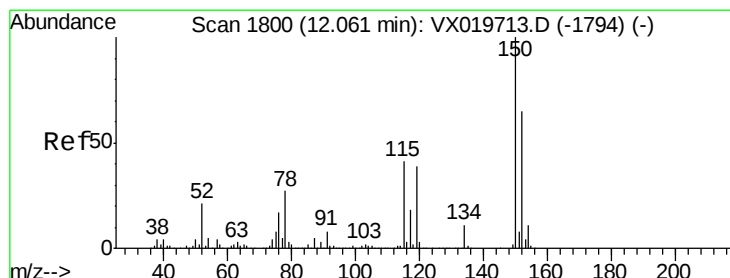
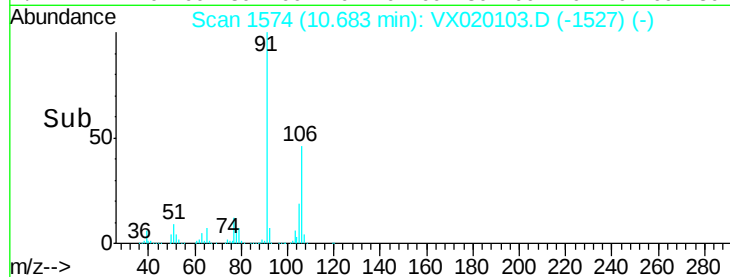
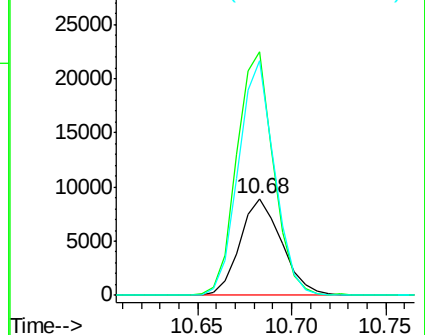
103 210.2 43.4 65.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

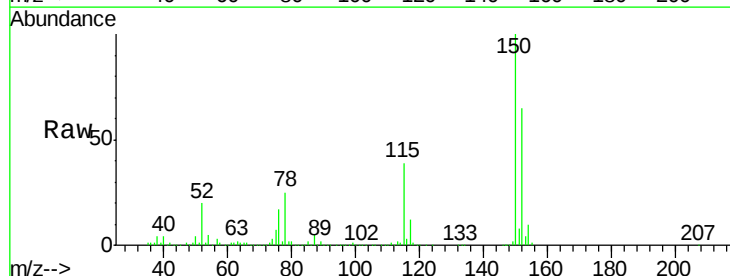
Tgt Ion:152 Resp: 219051

Ion Ratio Lower Upper

152 100

115 59.9 41.1 123.3

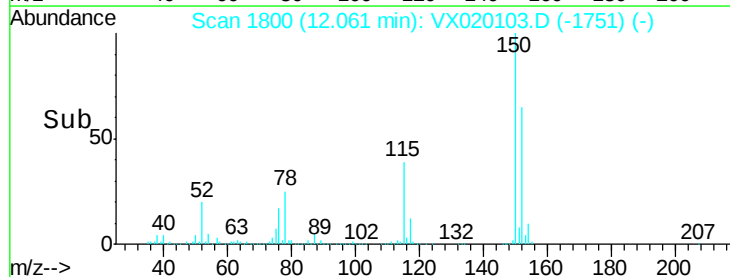
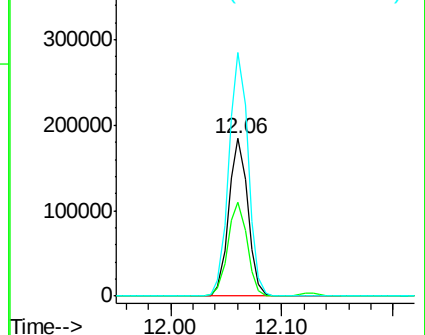
150 156.3 0.0 349.0

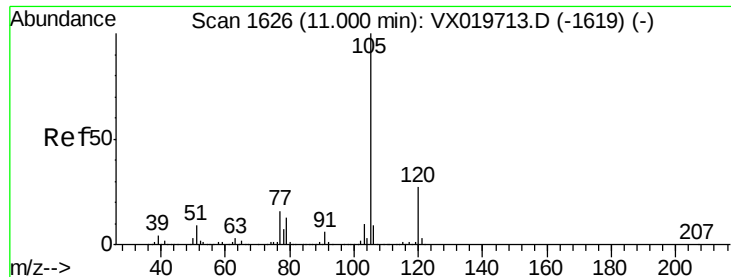


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 7.015 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

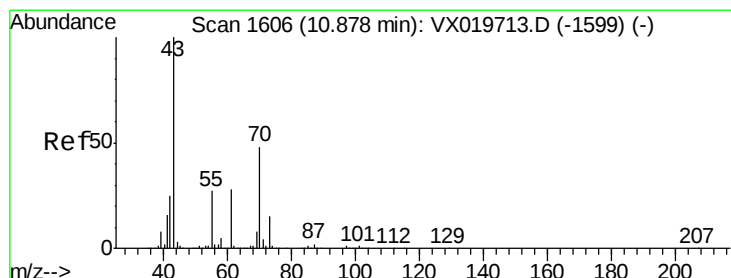
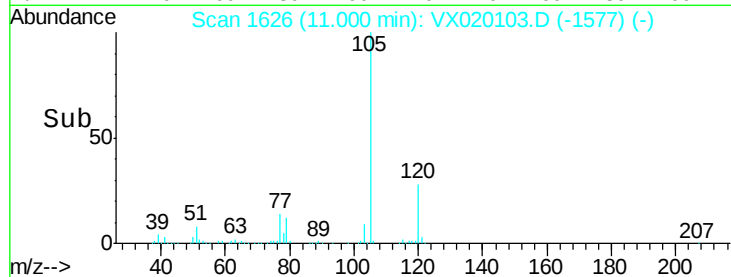
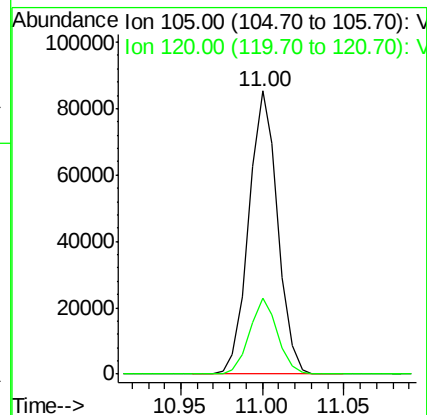
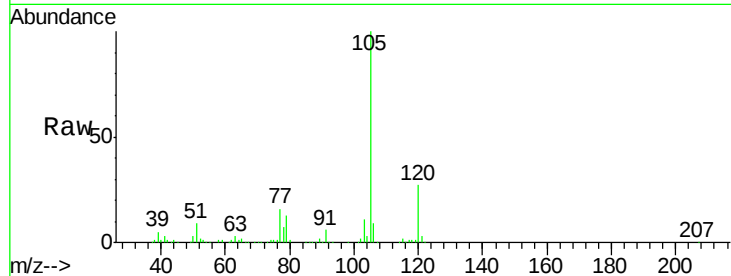
GROUNDWATER

Tgt Ion:105 Resp: 104980

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 0.302 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Tgt Ion: 43 Resp: 1812

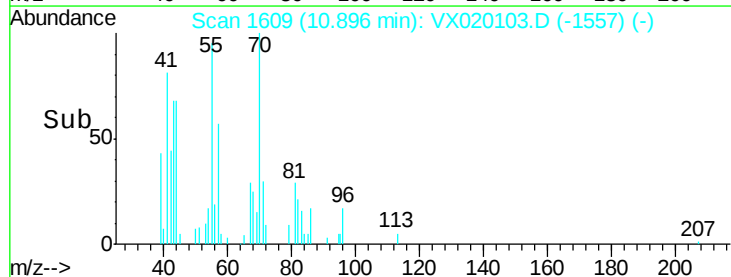
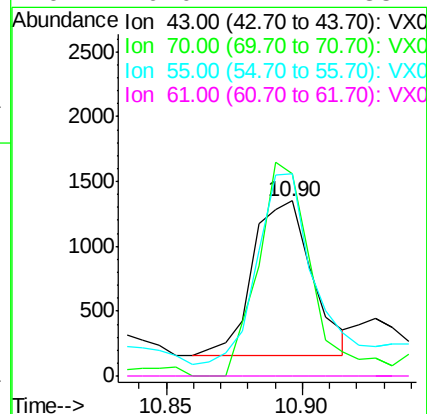
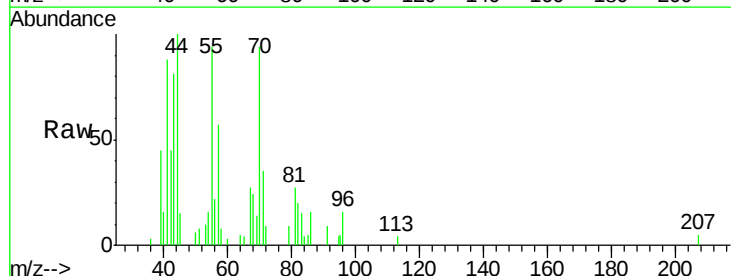
Ion Ratio Lower Upper

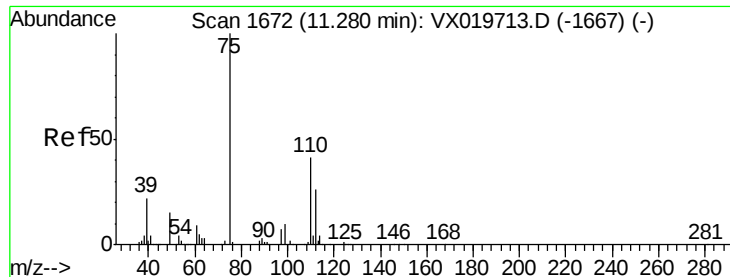
43 100

70 130.6 39.0 58.6#

55 157.3 21.5 32.3#

61 0.0 22.1 33.1#





#76

1,2,3-Trichloropropane

Concen: 22.460 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

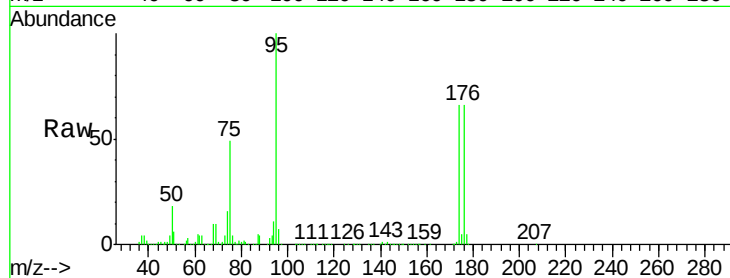
GROUNDWATER

Tgt Ion: 75 Resp: 110343

Ion Ratio Lower Upper

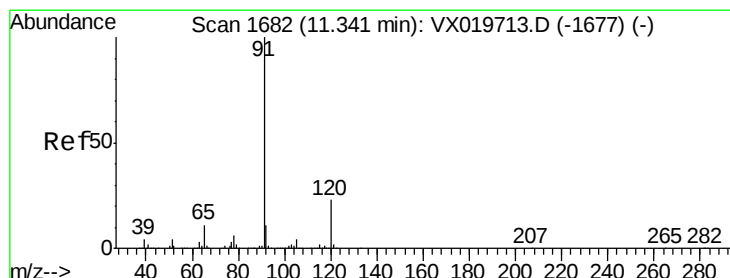
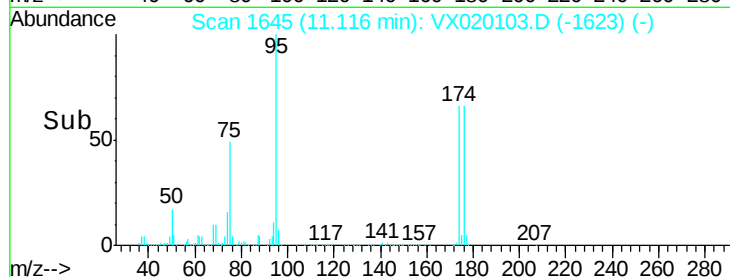
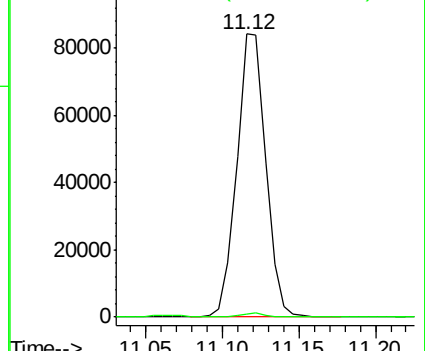
75 100

77 1.4 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 2.292 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX020103.D

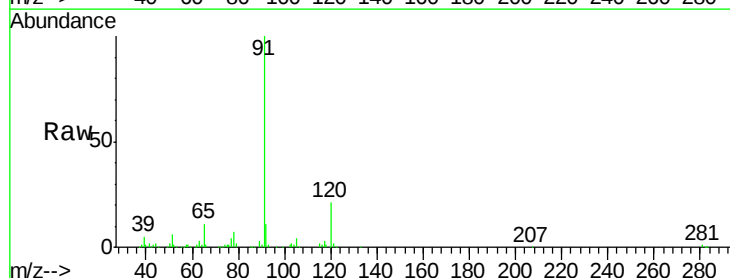
Acq: 17 Dec 2020 06:41

Tgt Ion: 91 Resp: 39173

Ion Ratio Lower Upper

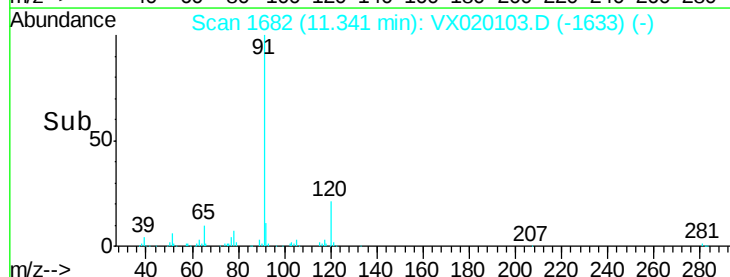
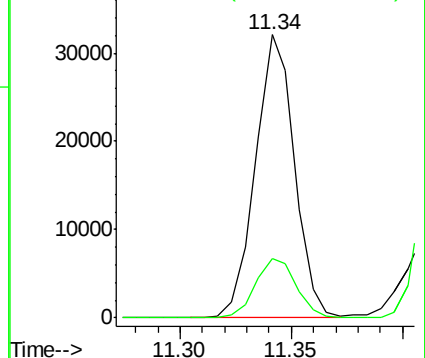
91 100

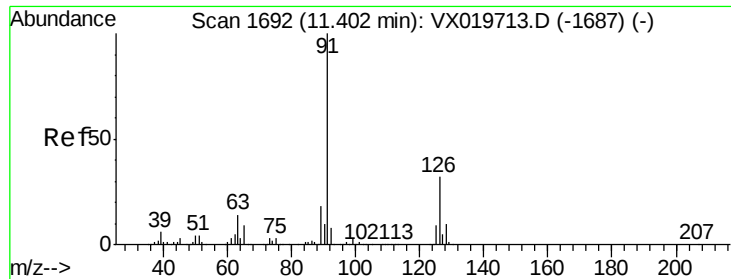
120 22.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

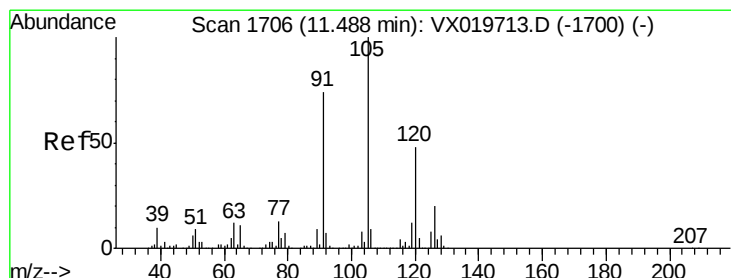
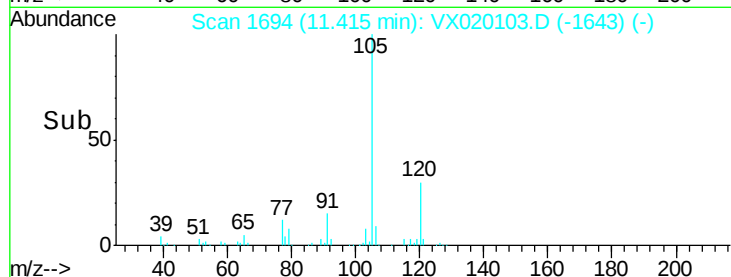
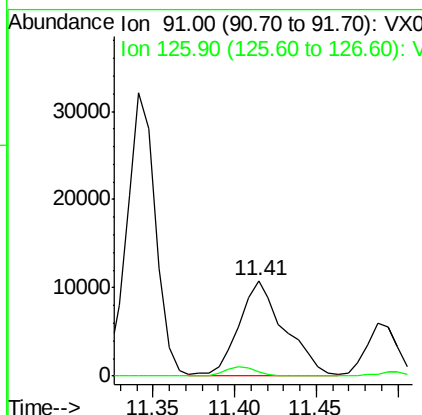
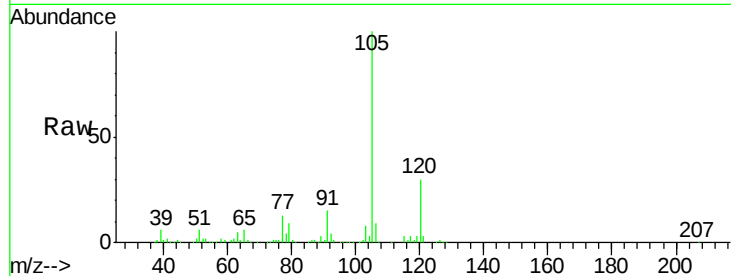




#79
 2-Chlorotoluene
 Concen: 2.011 ug/l
 RT: 11.41 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

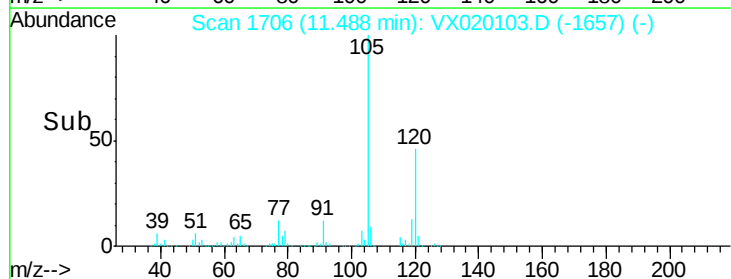
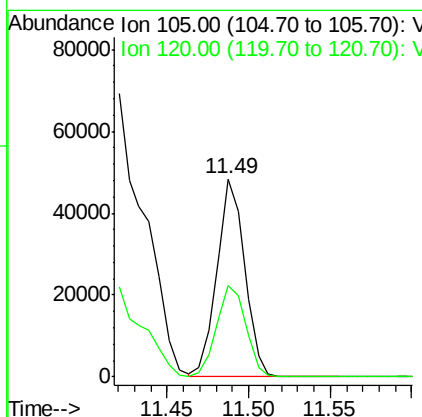
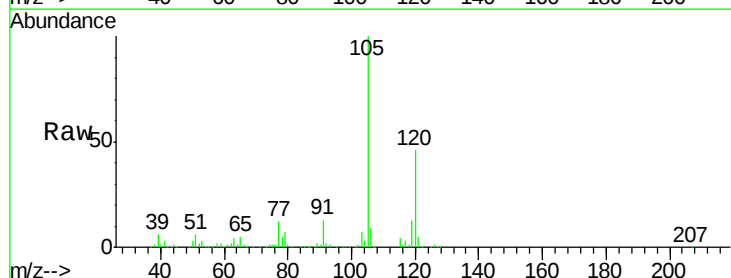
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

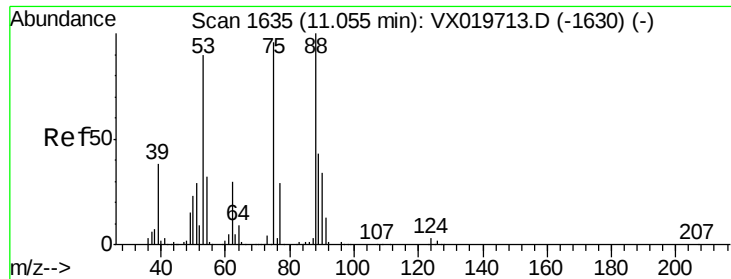
Tgt Ion: 91 Resp: 21170
 Ion Ratio Lower Upper
 91 100
 126 6.7 16.6 49.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.595 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion: 105 Resp: 58040
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5

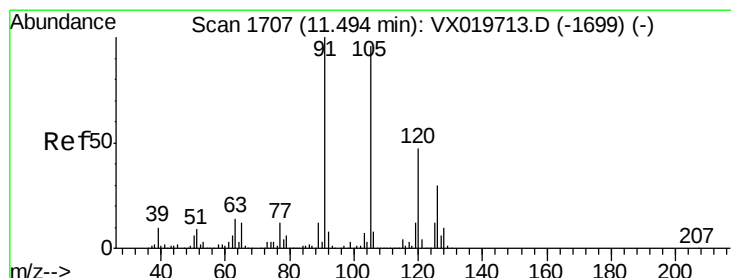
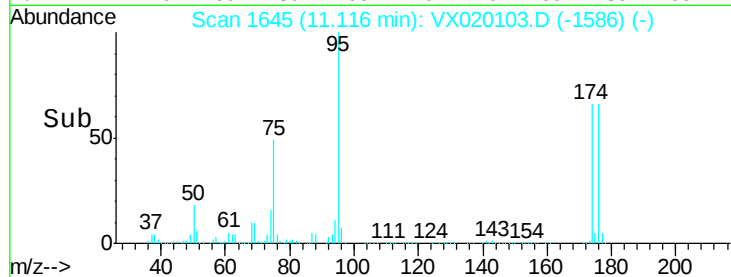
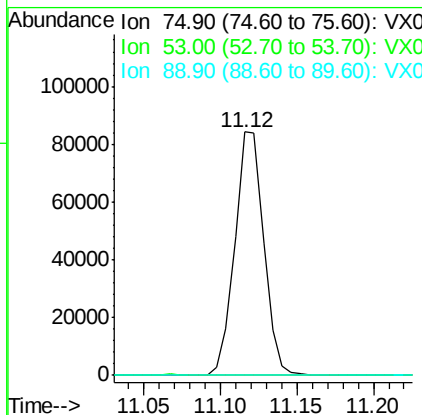
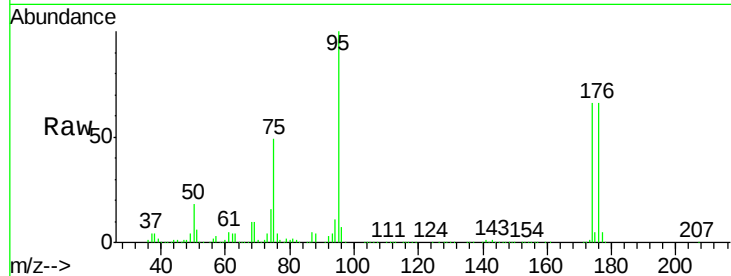




#81
trans-1,4-Dichloro-2-butene
Concen: 64.927 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. 0.06 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

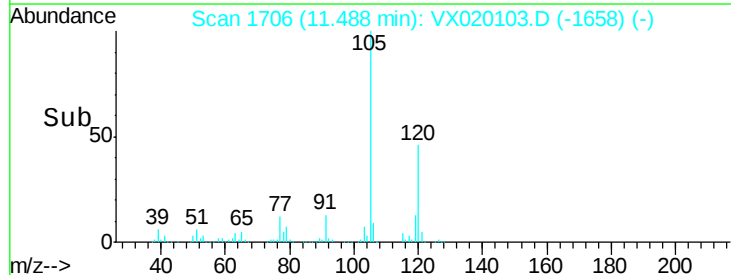
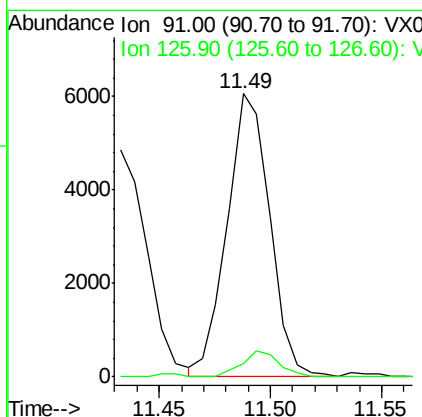
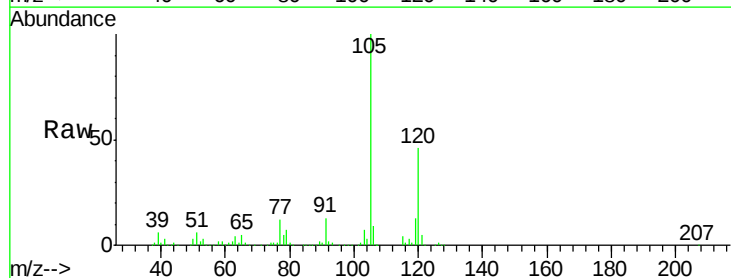
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

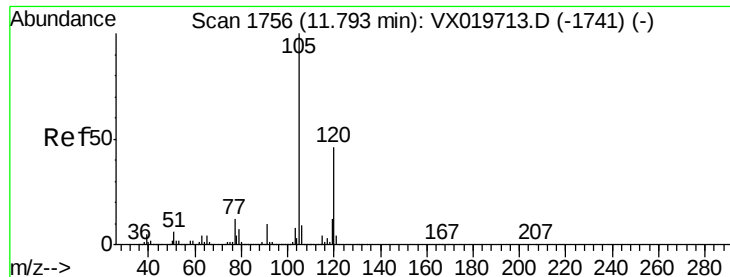
Tgt Ion: 75 Resp: 110343
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.658 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 91 Resp: 8109
Ion Ratio Lower Upper
91 100
126 7.7 14.9 44.5#

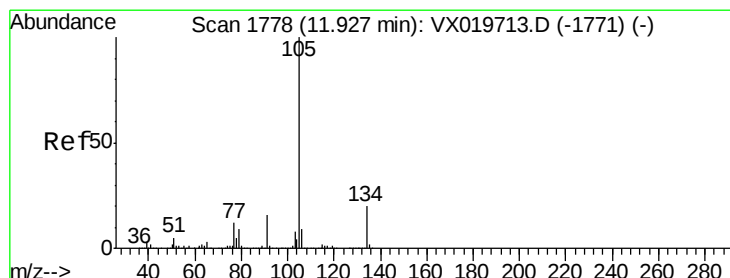
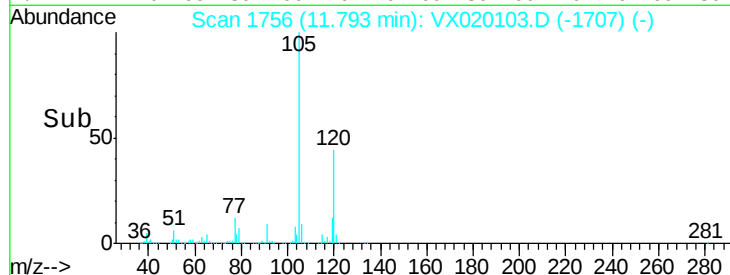
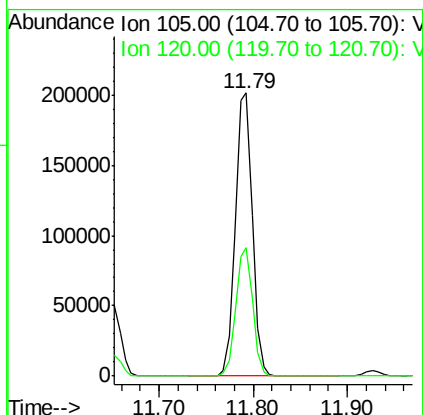
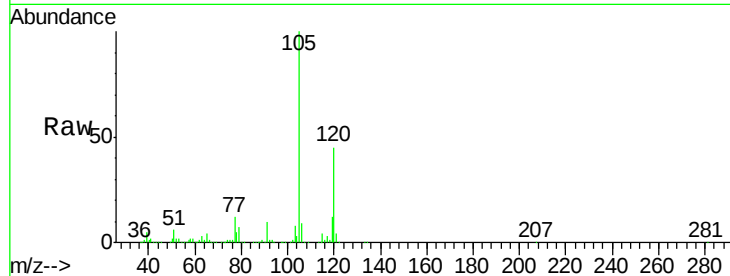




#84
 1,2,4-Trimethylbenzene
 Concen: 19.713 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

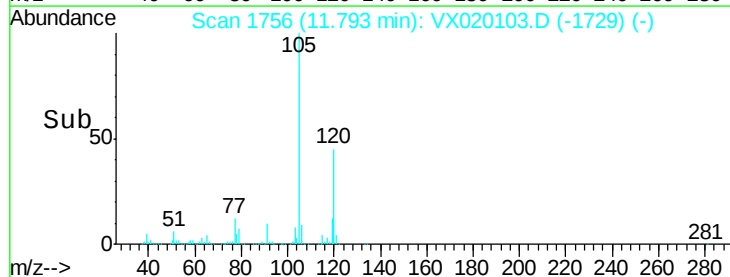
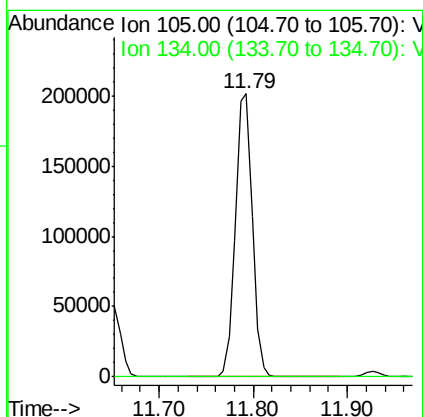
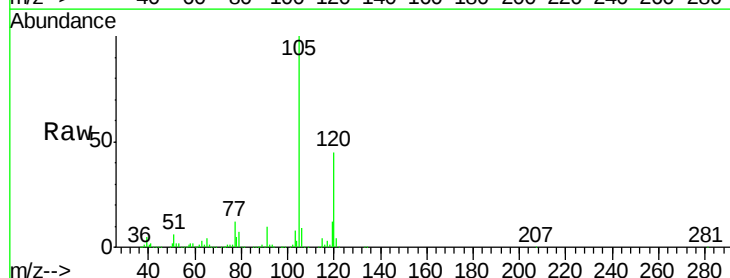
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

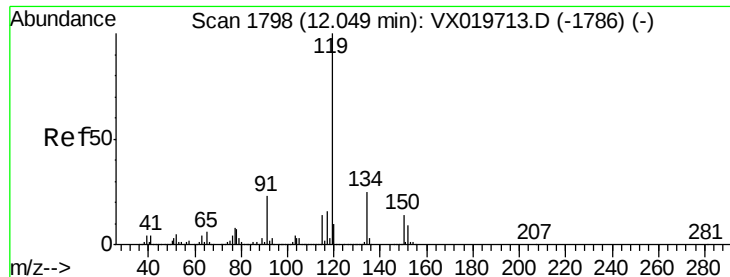
Tgt Ion:105 Resp: 250806
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 17.734 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.13 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion:105 Resp: 250806
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#

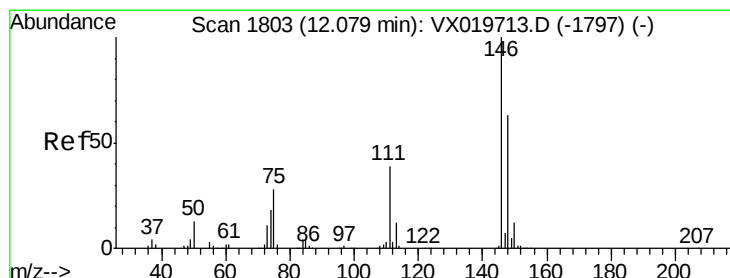
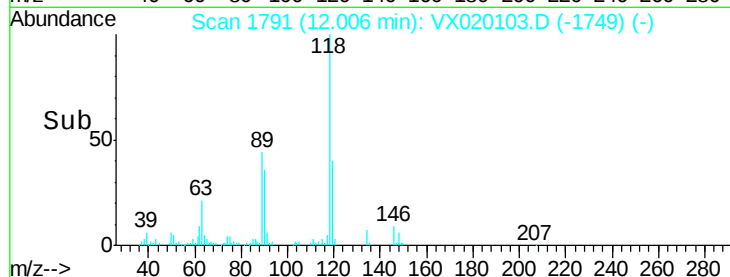
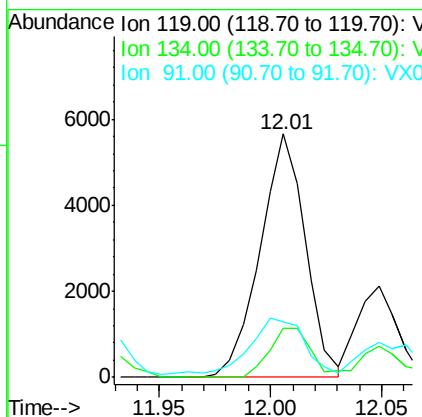
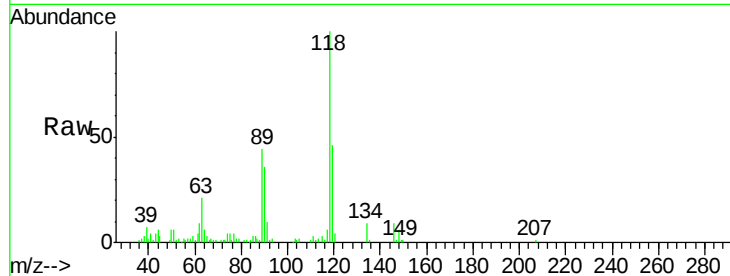




#86
 p-Isopropyltoluene
 Concen: 0.614 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.04 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

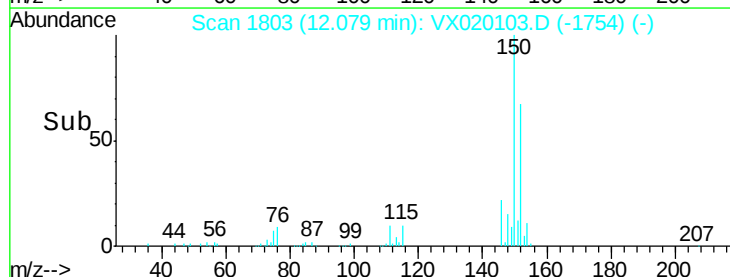
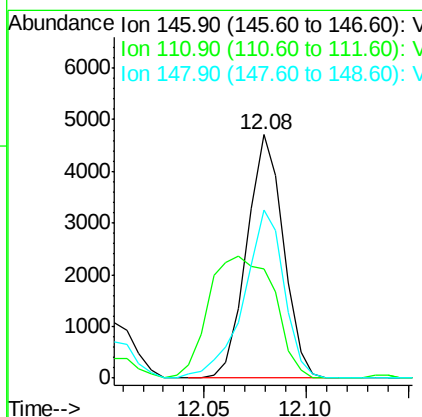
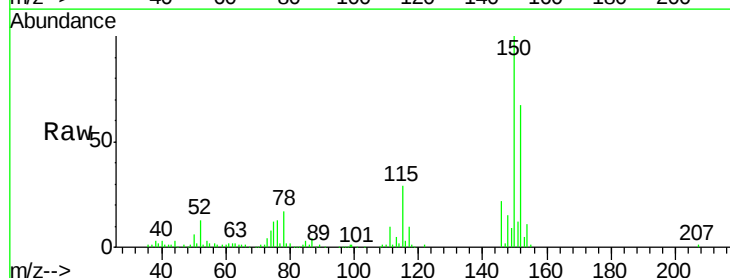
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

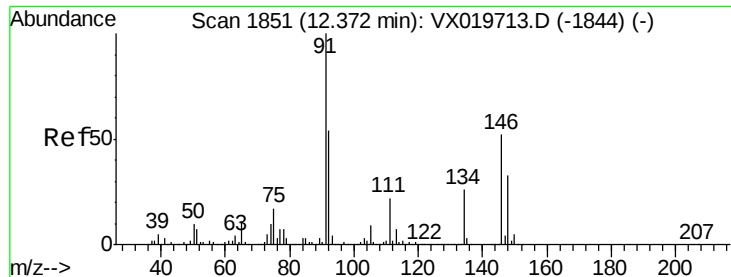
Tgt Ion	Ratio	Lower	Upper
119	100		
134	19.4	12.9	38.7
91	26.3	11.7	35.0



#88
 1,4-Dichlorobenzene
 Concen: 0.819 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	89.8	19.6	58.8#
148	76.0	31.6	95.0

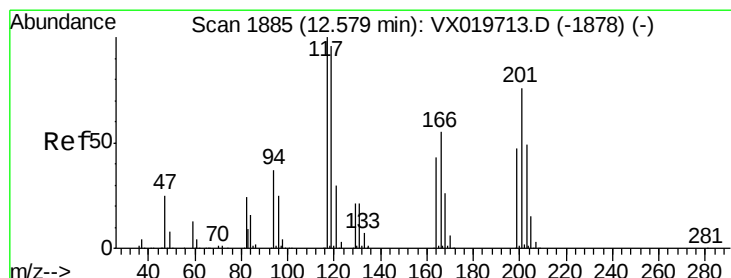
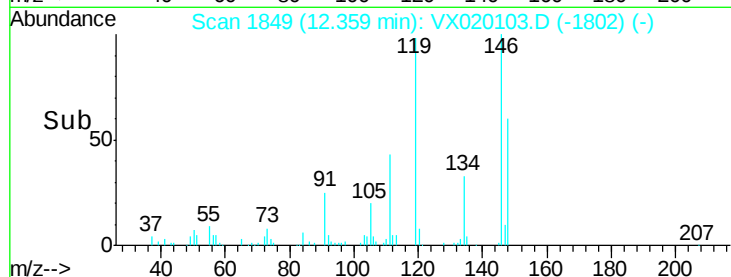
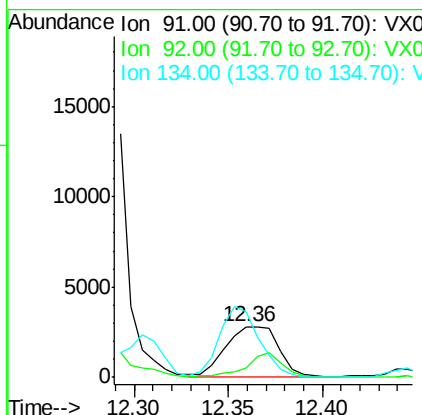
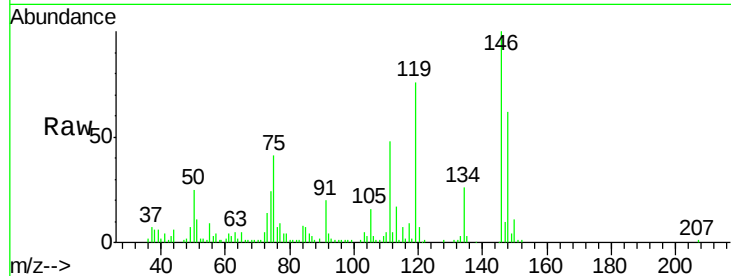




#89
n-Butylbenzene
Concen: 0.483 ug/l
RT: 12.36 min Scan# 1849
Delta R.T. -0.01 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

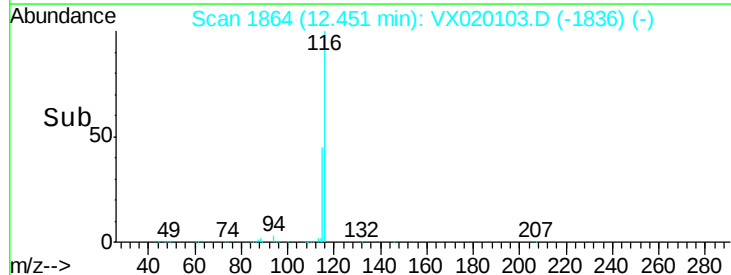
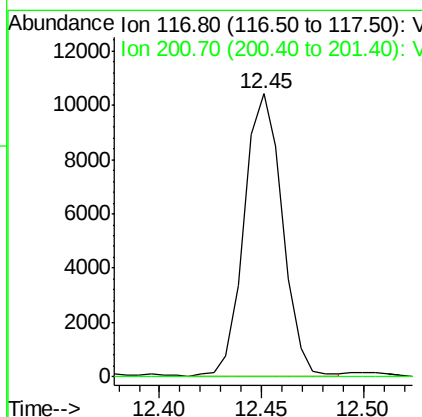
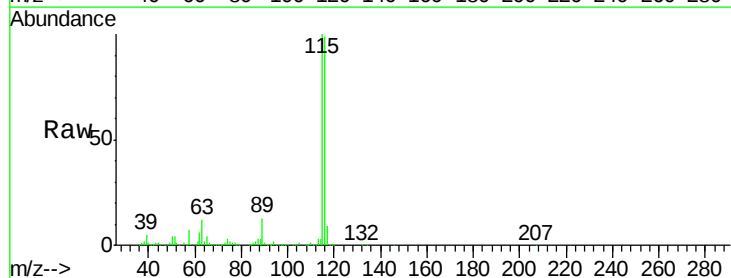
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

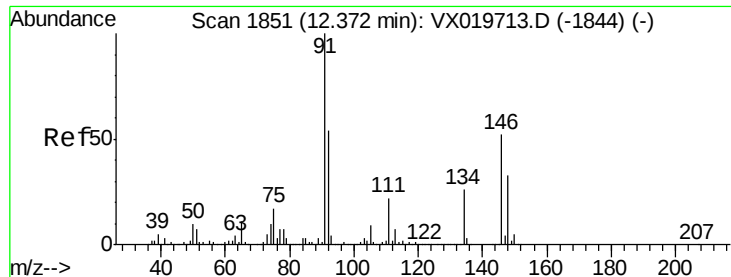
Tgt Ion: 91 Resp: 5551
Ion Ratio Lower Upper
91 100
92 33.1 27.4 82.0
134 104.3 13.2 39.5#



#90
Hexachloroethane
Concen: 6.089 ug/l
RT: 12.45 min Scan# 1864
Delta R.T. -0.13 min
Lab File: VX020103.D
Acq: 17 Dec 2020 06:41

Tgt Ion: 117 Resp: 13626
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

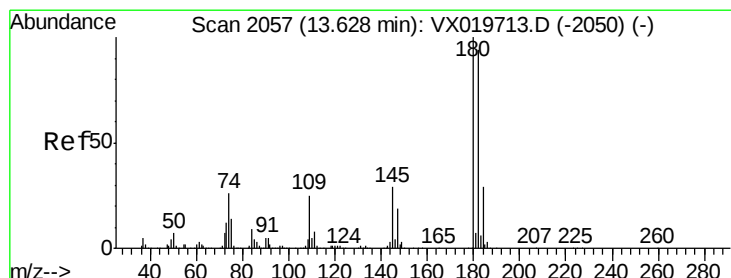
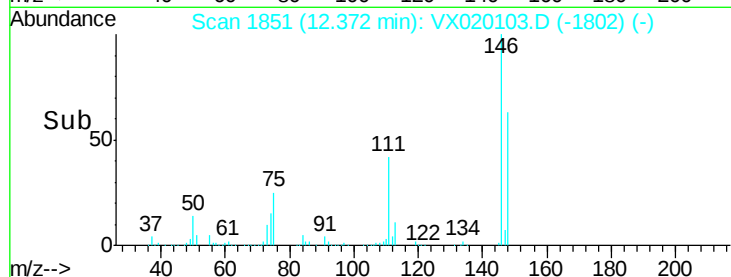
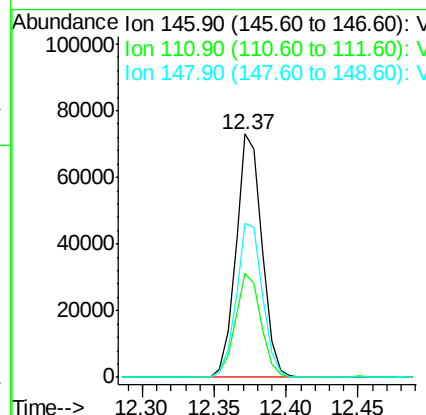
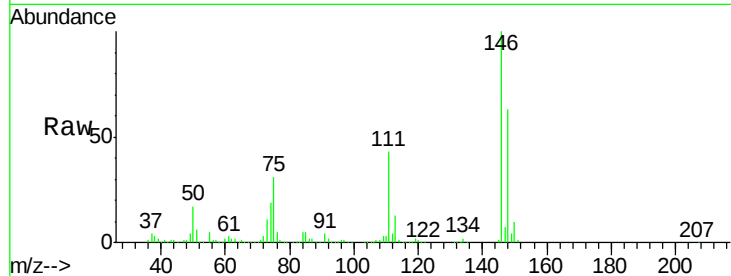




#91
 1,2-Dichlorobenzene
 Concen: 13.426 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

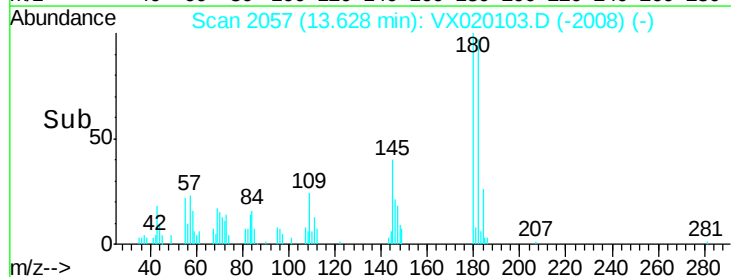
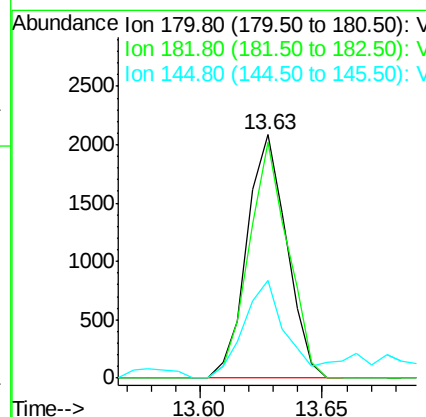
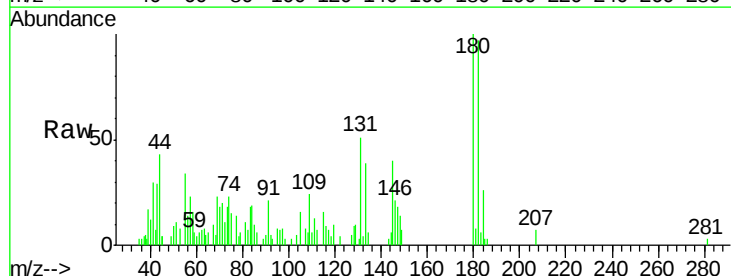
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

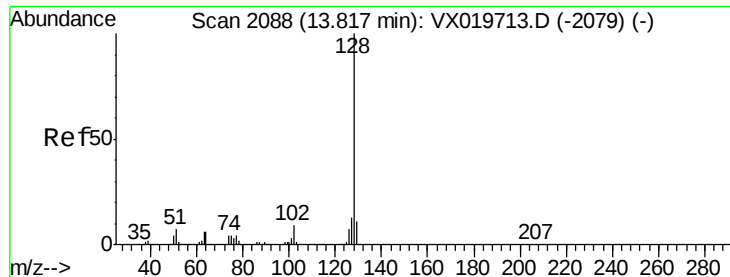
Tgt Ion:146 Resp: 92000
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.2
 148 63.9 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.531 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020103.D
 Acq: 17 Dec 2020 06:41

Tgt Ion:180 Resp: 2368
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 43.5 15.0 45.0





#95

Naphthalene

Concen: 89.859 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020103.D

Acq: 17 Dec 2020 06:41

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

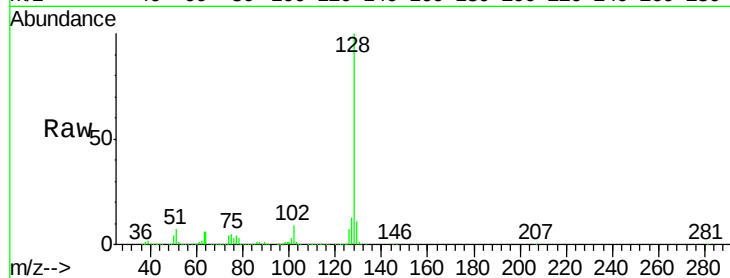
Tgt Ion:128 Resp: 1299441

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

