

Data File : VX012022.D
Acq On : 03 Sep 2019 14:34
Operator : SY/SP
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 03 14:55:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 12:11:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	145209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	263904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112025	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	199234	155.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.52%	
35) Dibromofluoromethane	5.48	113	162945	94.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.32%	
50) Toluene-d8	8.71	98	602243	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	
62) 4-Bromofluorobenzene	11.14	95	256405	97.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	135198	154.253	ug/l	96
3) Chloromethane	1.31	50	142766	163.892	ug/l	98
4) Vinyl Chloride	1.39	62	137678	155.595	ug/l	98
5) Bromomethane	1.62	94	58835	93.781	ug/l	95
6) Chloroethane	1.70	64	82604	147.596	ug/l	97
7) Trichlorofluoromethane	1.91	101	207725	129.323	ug/l	99
8) Diethyl Ether	2.17	74	71696	146.792	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	153997	150.546	ug/l #	84
10) Methyl Iodide	2.50	142	158177	154.784	ug/l	94
11) Tert butyl alcohol	3.03	59	98110	925.503	ug/l	97
12) 1,1-Dichloroethene	2.36	96	152008	162.867	ug/l	93
13) Acrolein	2.28	56	24103	621.051	ug/l	97
14) Allyl chloride	2.71	41	279845	174.950	ug/l	99
15) Acrylonitrile	3.12	53	231604	926.855	ug/l	99
16) Acetone	2.43	43	248098	985.137	ug/l	100
17) Carbon Disulfide	2.55	76	480699	182.557	ug/l	100
18) Methyl Acetate	2.76	43	118992	182.334	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	486019	174.679	ug/l	100
20) Methylene Chloride	2.84	84	180927	159.053	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	177711	160.179	ug/l	94
22) Diisopropyl ether	3.84	45	543004	168.802	ug/l	99
23) Vinyl Acetate	3.80	43	1838590	909.007	ug/l	99
24) 1,1-Dichloroethane	3.68	63	316986	168.969	ug/l	99
25) 2-Butanone	4.65	43	334030	973.594	ug/l	99
26) 2,2-Dichloropropane	4.56	77	288610	165.854	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	203825	159.905	ug/l	93
28) Bromochloromethane	5.00	49	112401	145.785	ug/l	82
29) Tetrahydrofuran	5.11	42	199661	946.253	ug/l	99
30) Chloroform	5.20	83	335649	163.004	ug/l	98
31) Cyclohexane	5.56	56	253280	162.058	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	301236	157.241	ug/l	97
36) 1,1-Dichloropropene	5.79	75	247312	122.470	ug/l	96
37) Ethyl Acetate	4.82	43	141592	140.068	ug/l	100
38) Carbon Tetrachloride	5.77	117	261560	106.517	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	279520	113.997	ug/l	95
40) Benzene	6.13	78	705925	121.038	ug/l	99
41) Methacrylonitrile	5.03	41	84043	137.952	ug/l	98
42) 1,2-Dichloroethane	6.18	62	255577	129.357	ug/l	97
43) Isopropyl Acetate	6.43	43	284511	136.161	ug/l	99
44) Trichloroethene	7.20	130	188494	97.309	ug/l	84
45) 1,2-Dichloropropane	7.51	63	178986	121.959	ug/l	99
46) Dibromomethane	7.65	93	106289	120.824	ug/l #	74
47) Bromodichloromethane	7.89	83	267712	120.552	ug/l	99
48) Methyl methacrylate	7.76	41	142514	138.317	ug/l	98
49) 1,4-Dioxane	7.73	88	38474	2661.637	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	703881	670.274	ug/l	99
52) Toluene	8.78	92	455265	115.209	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	280263	124.674	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	312206	123.388	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	148720	115.804	ug/l	98
56) Ethyl methacrylate	9.17	69	221049	129.611	ug/l	97
57) 1,3-Dichloropropane	9.37	76	259636	123.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	455447	587.658	ug/l	93
59) 2-Hexanone	9.49	43	515922	690.128	ug/l	99
60) Dibromochloromethane	9.57	129	182626	102.297	ug/l	99
61) 1,2-Dibromoethane	9.67	107	147782	115.531	ug/l	97
64) Tetrachloroethene	9.33	164	152362	77.235	ug/l #	86
65) Chlorobenzene	10.14	112	482821	106.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	181940	100.199	ug/l	97
67) Ethyl Benzene	10.25	91	881751	115.348	ug/l	96
68) m/p-Xylenes	10.35	106	640744	213.461	ug/l	92
69) o-Xylene	10.70	106	310227	106.542	ug/l	90
70) Styrene	10.71	104	549625	110.015	ug/l	95
71) Bromoform	10.85	173	103528	82.174	ug/l #	97
73) Isopropylbenzene	11.01	105	848920	135.796	ug/l	97
74) N-amyl acetate	10.89	43	266262	170.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	183772	160.574	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	208975	235.659	ug/l	77
77) Bromobenzene	11.25	156	192769	105.463	ug/l	69
78) n-propylbenzene	11.35	91	1041702	148.078	ug/l	95
79) 2-Chlorotoluene	11.42	91	624097	149.852	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	737430	136.746	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	62755	166.945	ug/l	97
82) 4-Chlorotoluene	11.51	91	724529	144.981	ug/l	91
83) tert-Butylbenzene	11.77	119	695214	124.722	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	752491	137.690	ug/l	94
85) sec-Butylbenzene	11.94	105	859162	134.187	ug/l	94
86) p-Isopropyltoluene	12.06	119	781606	124.682	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	373779	109.038	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	365561	107.333	ug/l	95
89) n-Butylbenzene	12.39	91	763242	140.586	ug/l	96
90) Hexachloroethane	12.59	117	159191	135.260	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	332641	107.486	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38831	172.807	ug/l	67

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	229127	85.091	ug/l	96
94) Hexachlorobutadiene	13.78	225	117699	62.562	ug/l	99
95) Naphthalene	13.83	128	528628	127.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	202127	85.370	ug/l	94

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

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

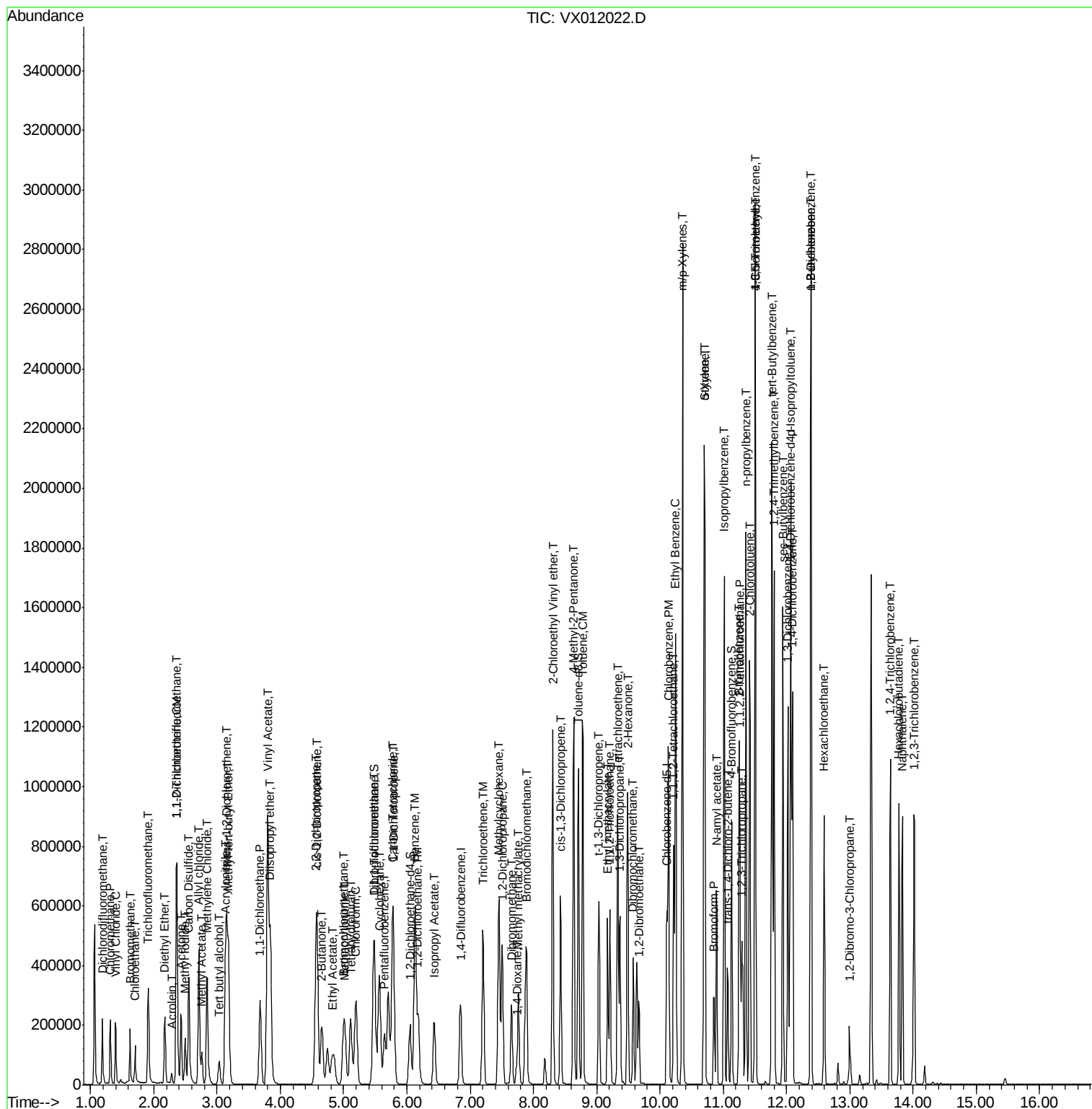
Quant Time: Sep 03 14:55:02 2019

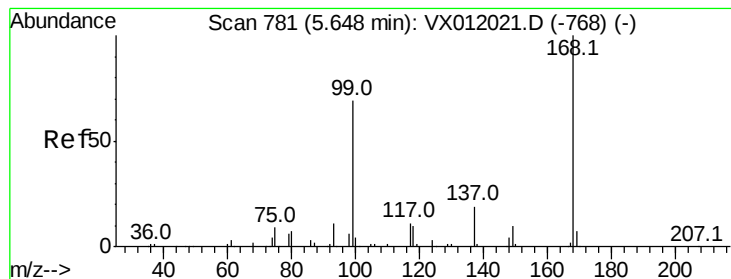
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\82X090319S.M

Quant Title : SW846 8260

QLast Update : Tue Sep 03 12:11:35 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

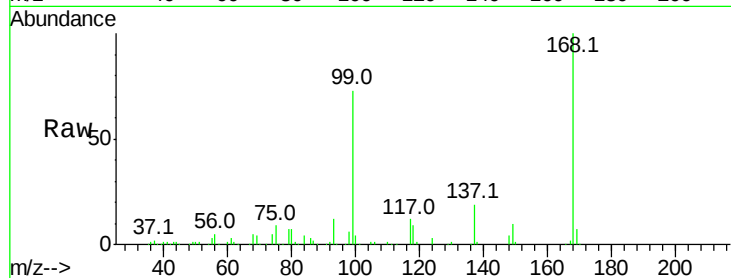
VSTDIC100

Tgt Ion:168 Resp: 145209

Ion Ratio Lower Upper

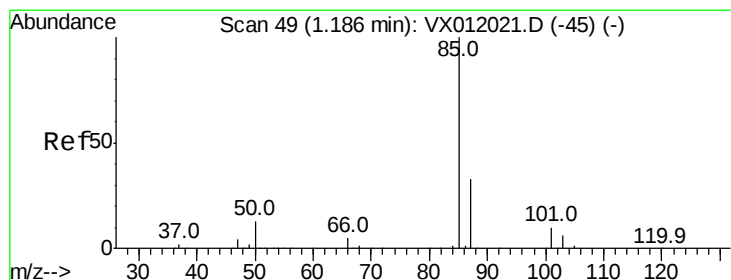
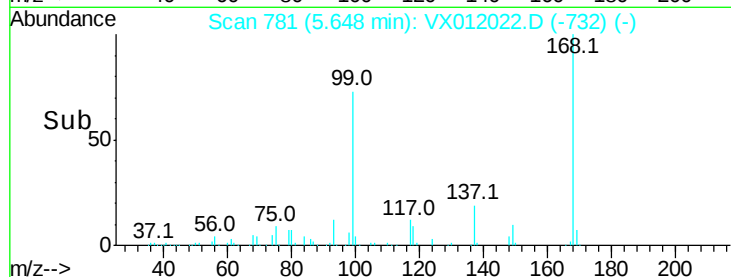
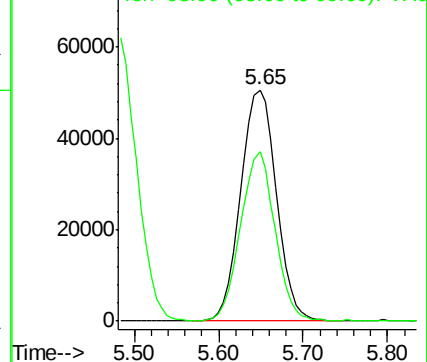
168 100

99 73.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 154.253 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012022.D

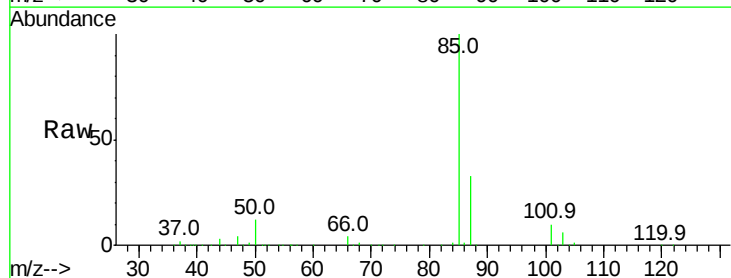
Acq: 03 Sep 2019 14:34

Tgt Ion: 85 Resp: 135198

Ion Ratio Lower Upper

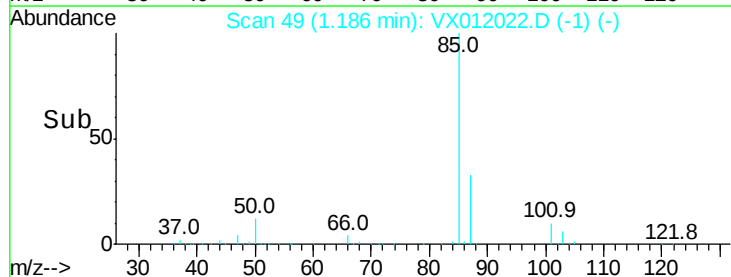
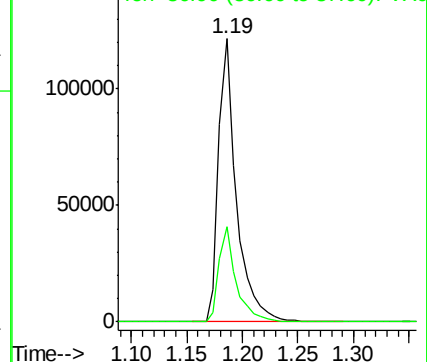
85 100

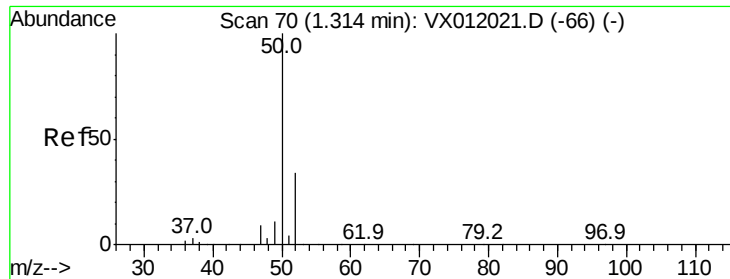
87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 163.892 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

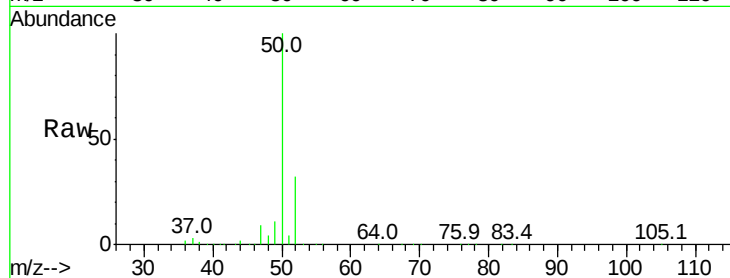
VSTDIC100

Tgt Ion: 50 Resp: 142766

Ion Ratio Lower Upper

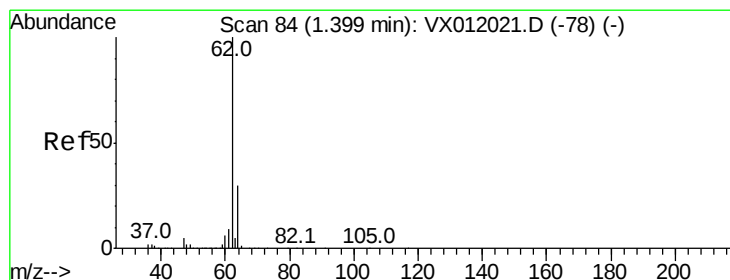
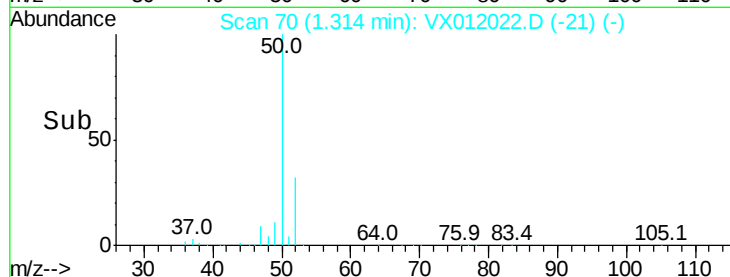
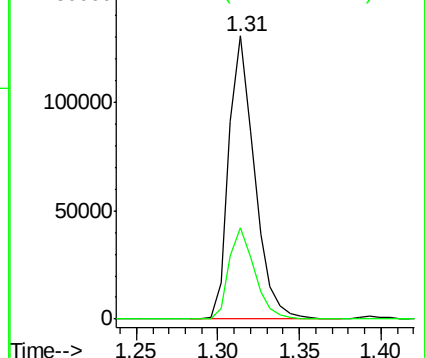
50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 155.595 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012022.D

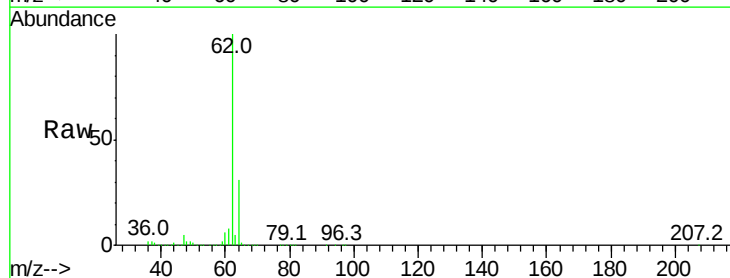
Acq: 03 Sep 2019 14:34

Tgt Ion: 62 Resp: 137678

Ion Ratio Lower Upper

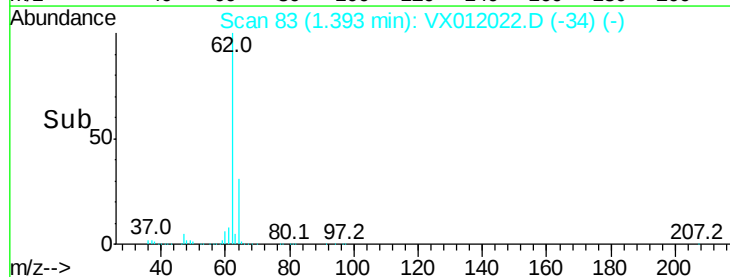
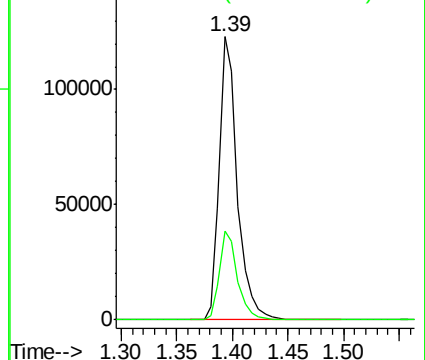
62 100

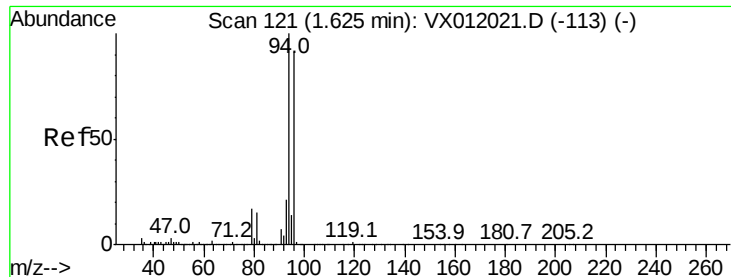
64 31.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 93.781 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

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ClientSampleId :

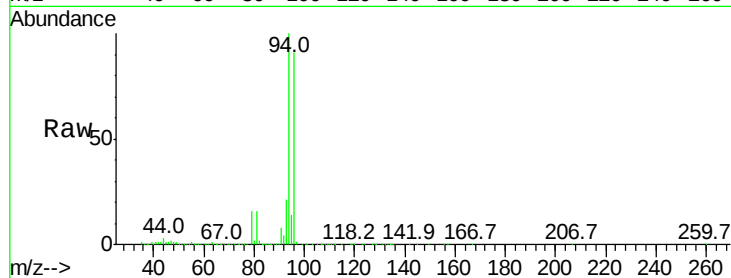
VSTDIC100

Tgt Ion: 94 Resp: 58835

Ion Ratio Lower Upper

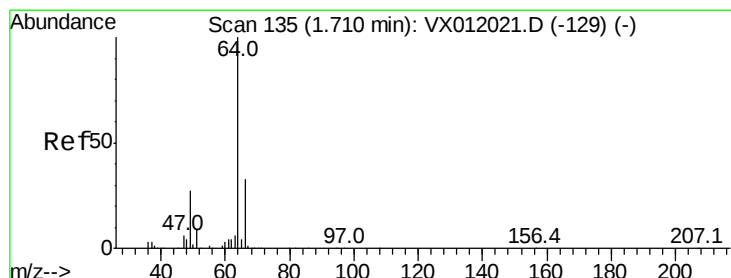
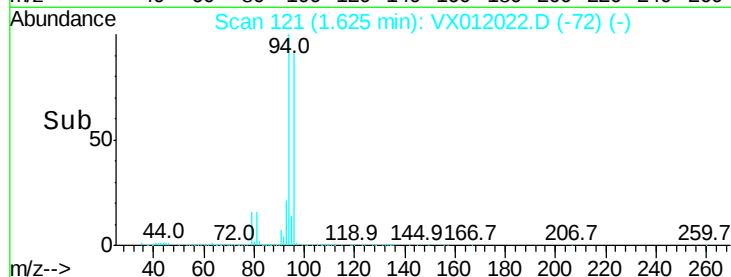
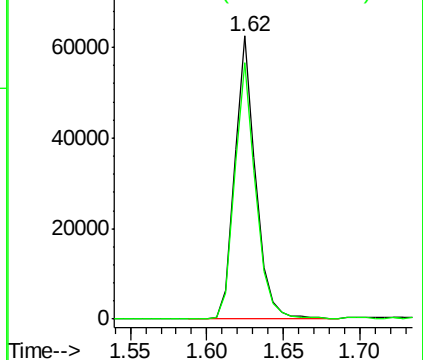
94 100

96 90.5 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 147.596 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012022.D

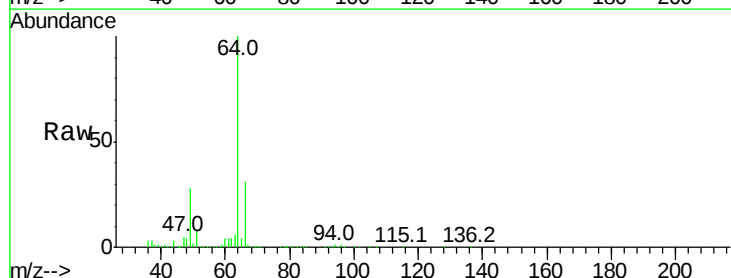
Acq: 03 Sep 2019 14:34

Tgt Ion: 64 Resp: 82604

Ion Ratio Lower Upper

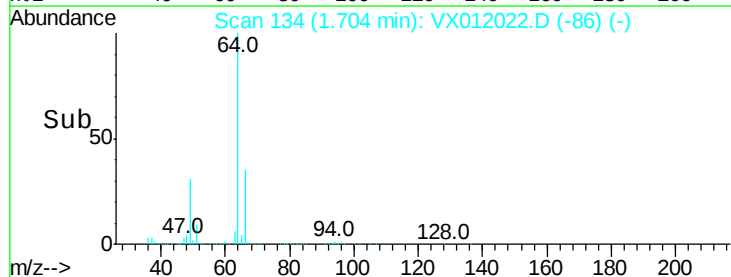
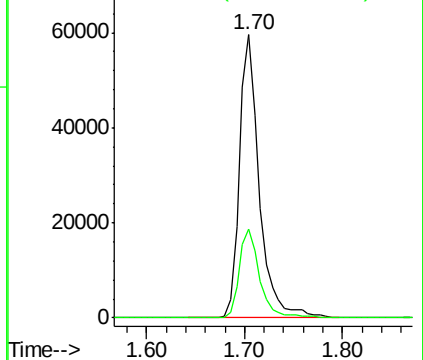
64 100

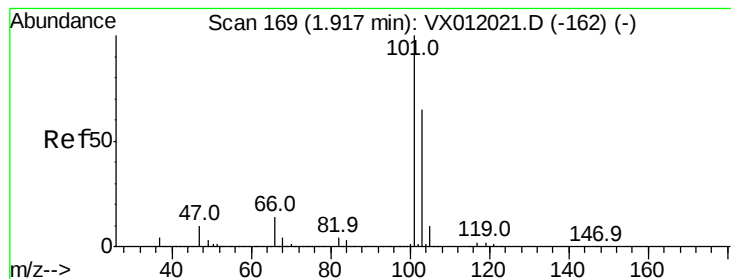
66 31.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



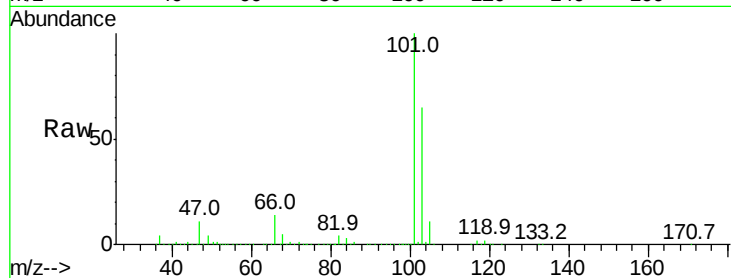


#7

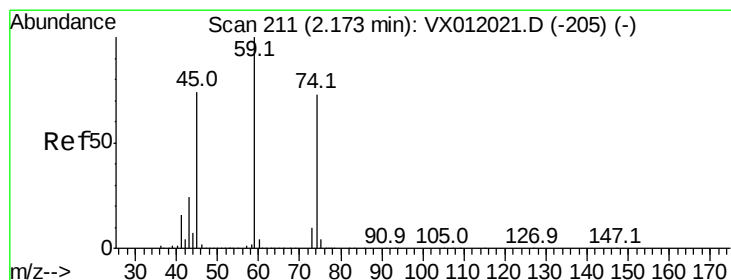
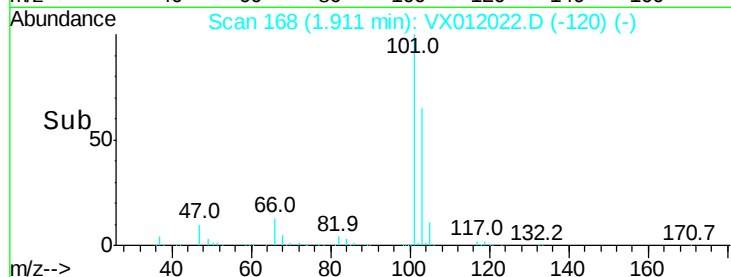
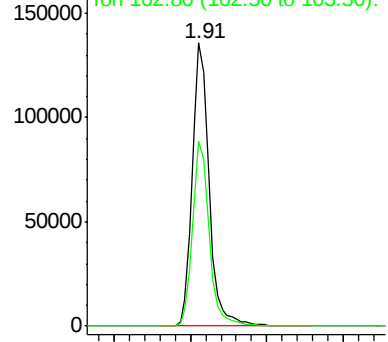
Trichlorofluoromethane
 Concen: 129.323 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012022.D
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Instrument :
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 VSTDIC100

Tgt Ion:101 Resp: 207725
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.6 77.4



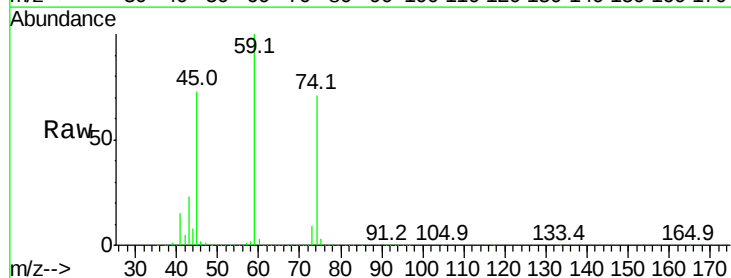
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



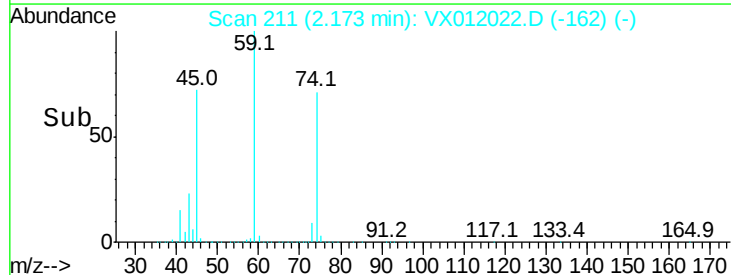
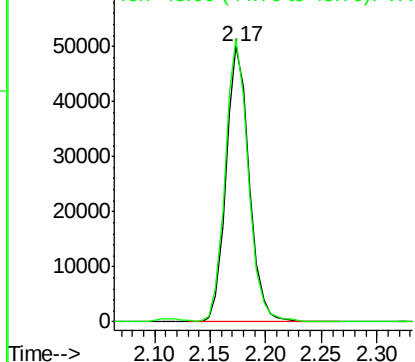
#8

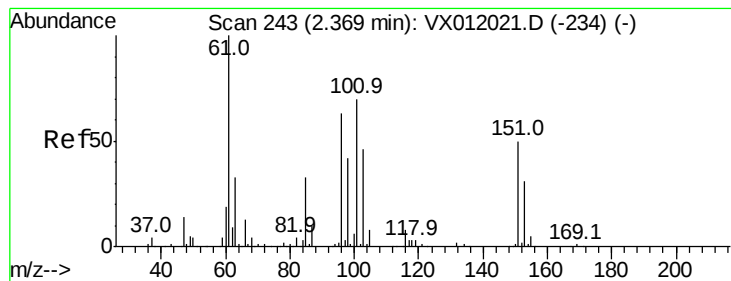
Diethyl Ether
 Concen: 146.792 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012022.D
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Tgt Ion: 74 Resp: 71696
 Ion Ratio Lower Upper
 74 100
 45 101.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.546 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

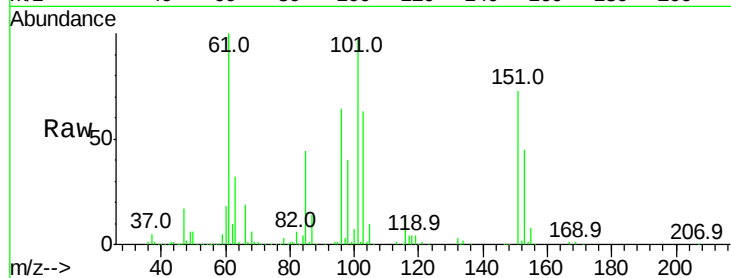
Tgt Ion:101 Resp: 153997

Ion Ratio Lower Upper

101 100

85 44.9 34.5 51.7

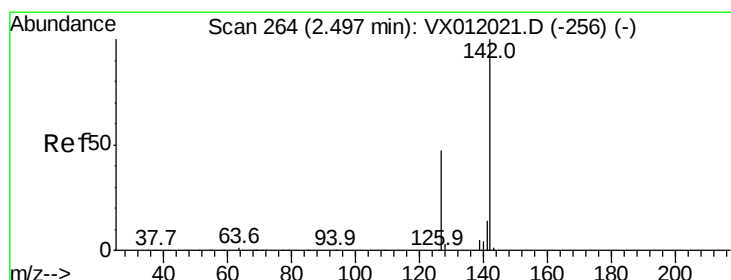
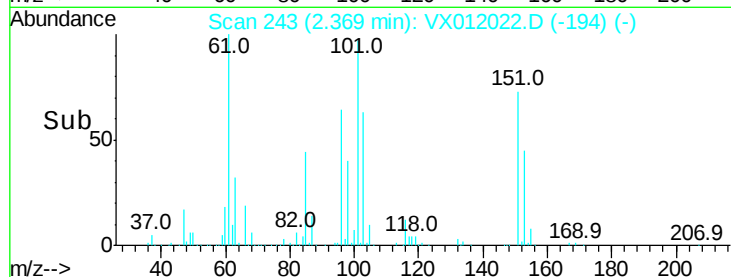
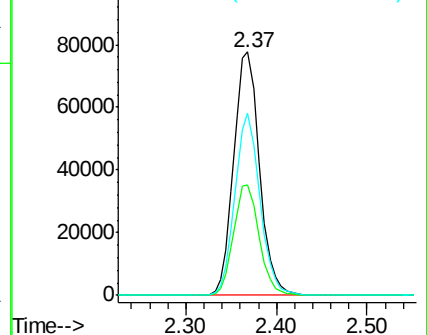
151 72.6 75.0 112.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 154.784 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

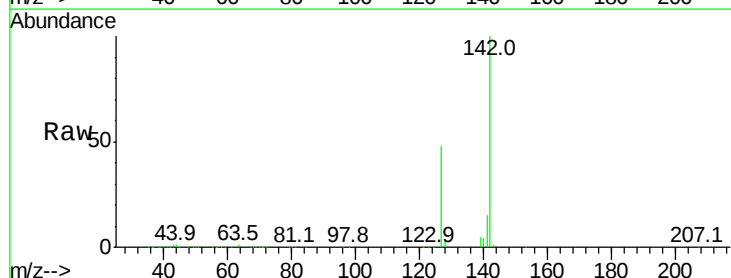
Tgt Ion:142 Resp: 158177

Ion Ratio Lower Upper

142 100

127 49.3 35.4 53.2

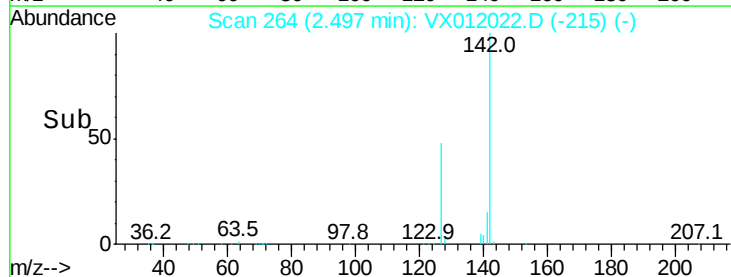
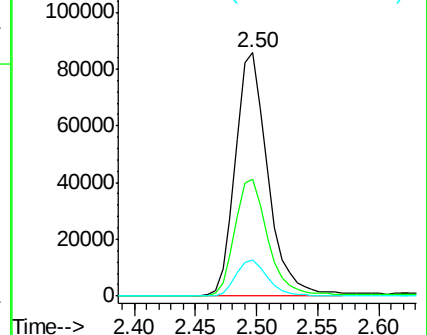
141 14.7 11.4 17.2

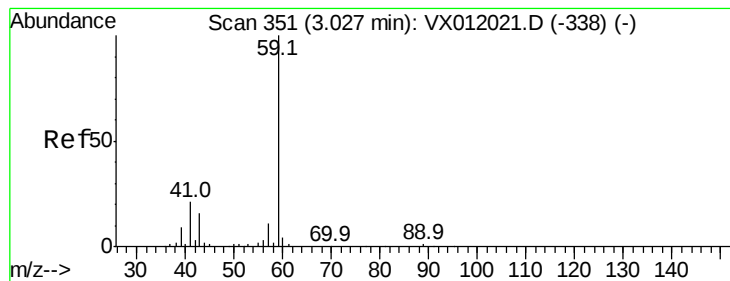


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



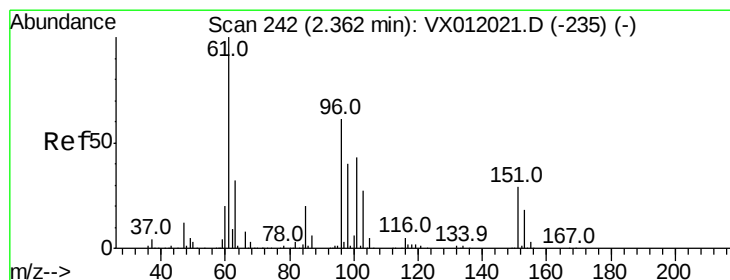
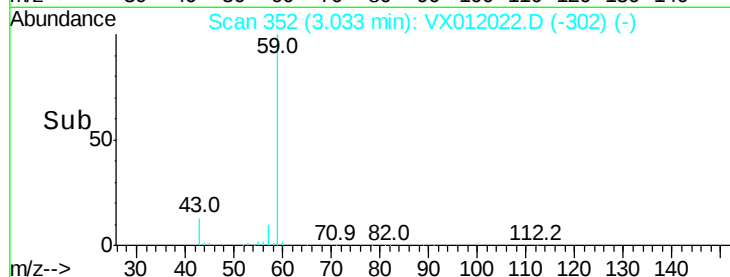
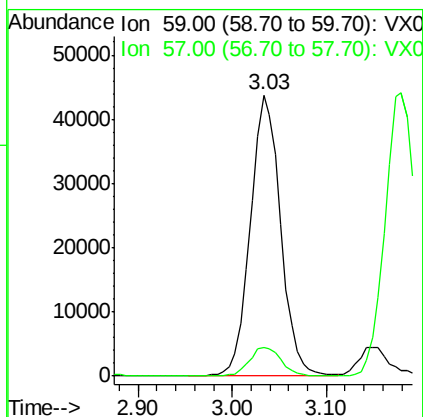
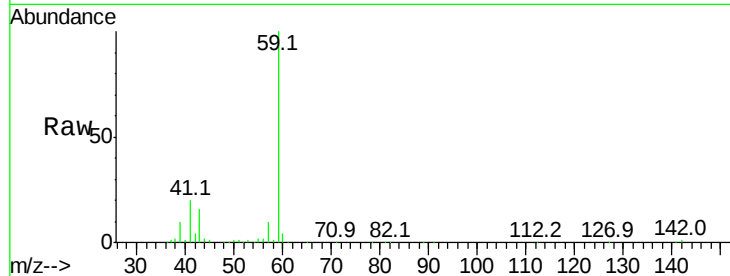


#11

Tert butyl alcohol
 Concen: 925.503 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

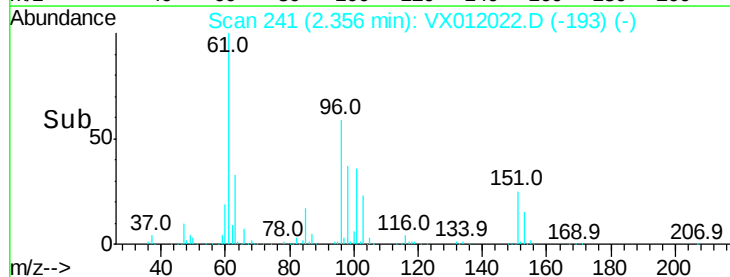
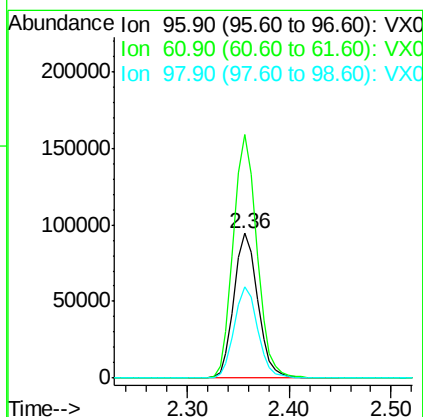
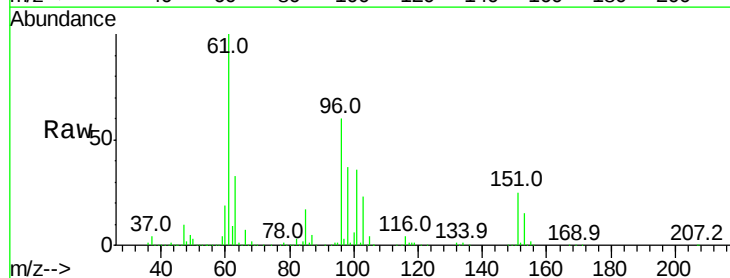
Tgt Ion: 59 Resp: 98110
 Ion Ratio Lower Upper
 59 100
 57 11.1 7.9 11.9

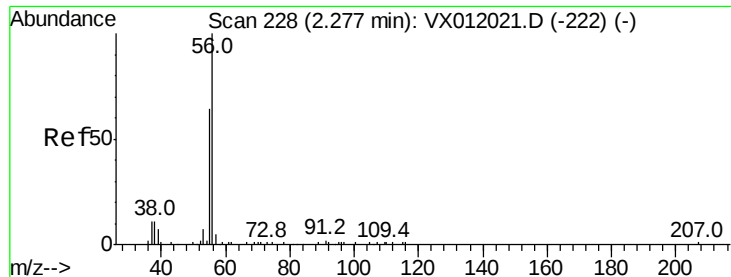


#12

1,1-Dichloroethene
 Concen: 162.867 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 96 Resp: 152008
 Ion Ratio Lower Upper
 96 100
 61 168.1 124.1 186.1
 98 62.6 50.2 75.2





#13

Acrolein

Concen: 621.051 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

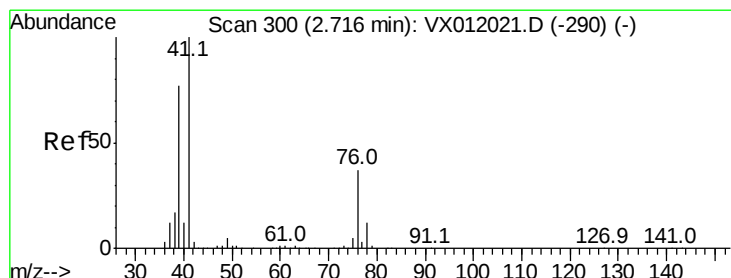
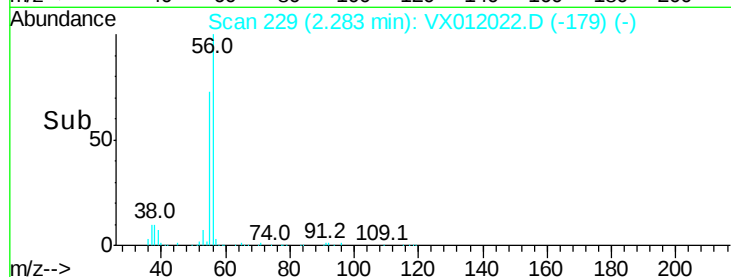
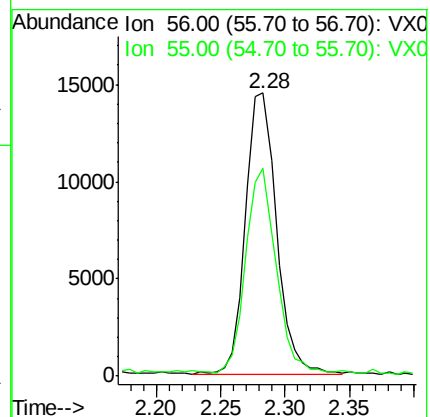
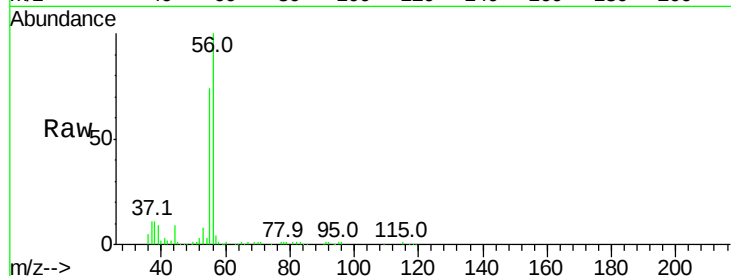
VSTDIC100

Tgt Ion: 56 Resp: 24103

Ion Ratio Lower Upper

56 100

55 71.5 59.2 88.8



#14

Allyl chloride

Concen: 174.950 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

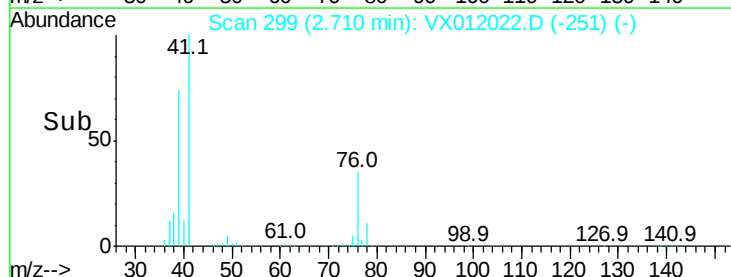
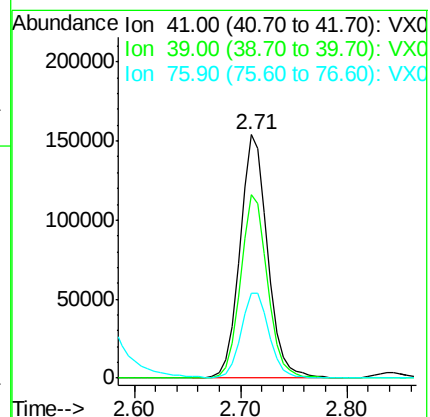
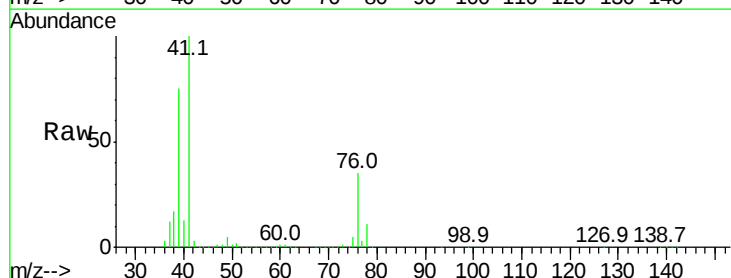
Tgt Ion: 41 Resp: 279845

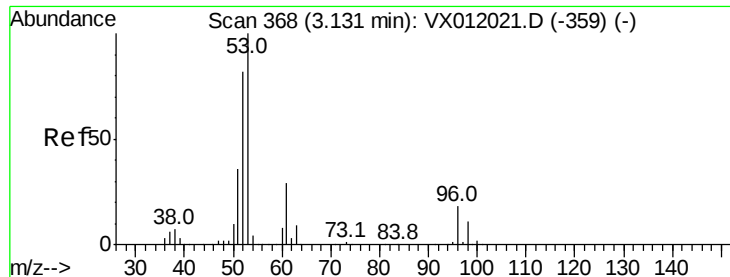
Ion Ratio Lower Upper

41 100

39 73.6 57.9 86.9

76 35.5 28.5 42.7





#15

Acrylonitrile

Concen: 926.855 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

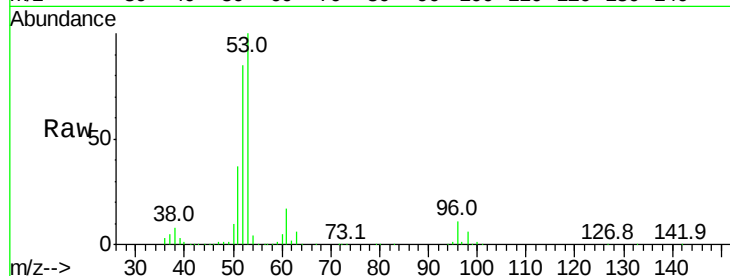
Tgt Ion: 53 Resp: 231604

Ion Ratio Lower Upper

53 100

52 83.1 65.6 98.4

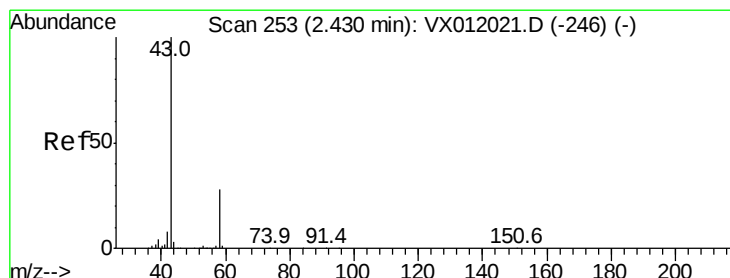
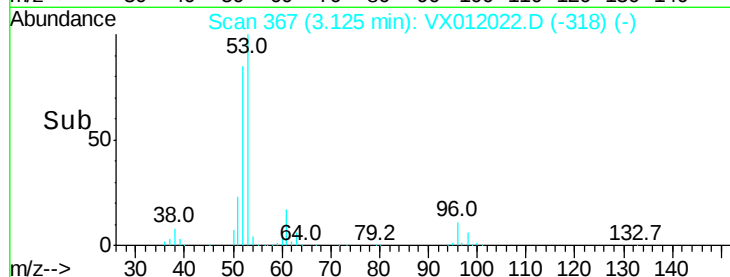
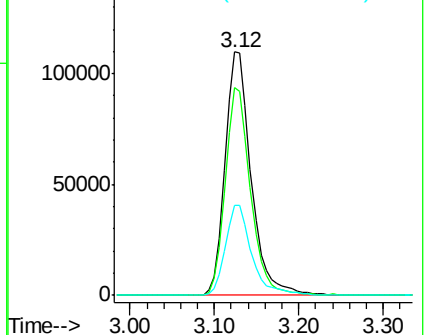
51 37.6 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 985.137 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012022.D

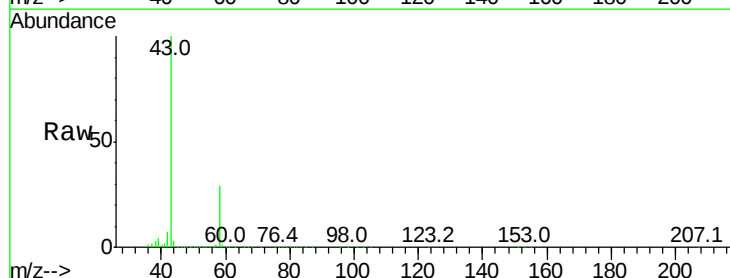
Acq: 03 Sep 2019 14:34

Tgt Ion: 43 Resp: 248098

Ion Ratio Lower Upper

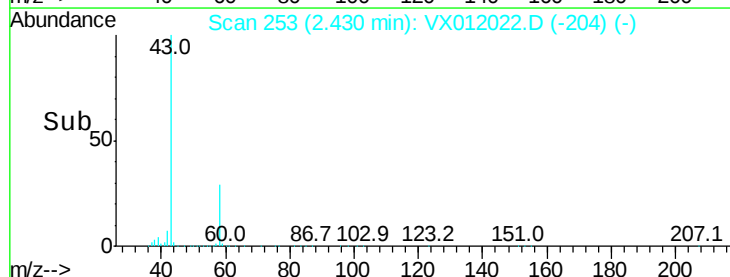
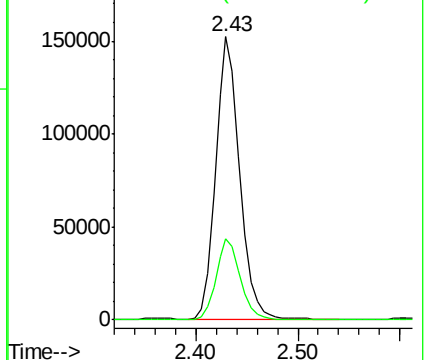
43 100

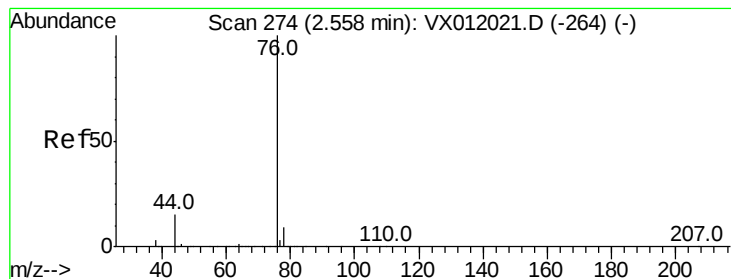
58 28.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 182.557 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

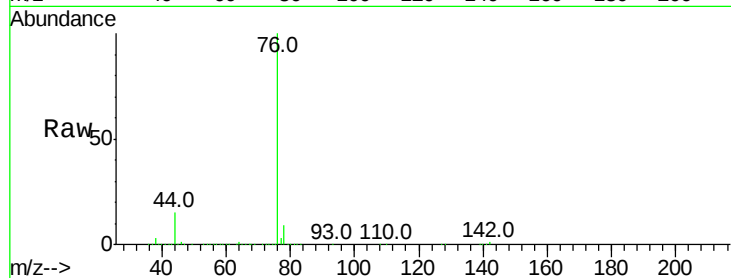
VSTDIC100

Tgt Ion: 76 Resp: 480699

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

250000

200000

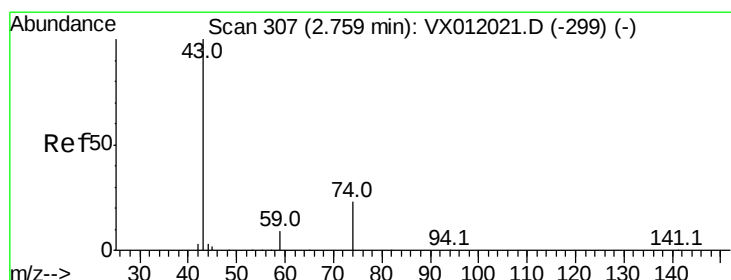
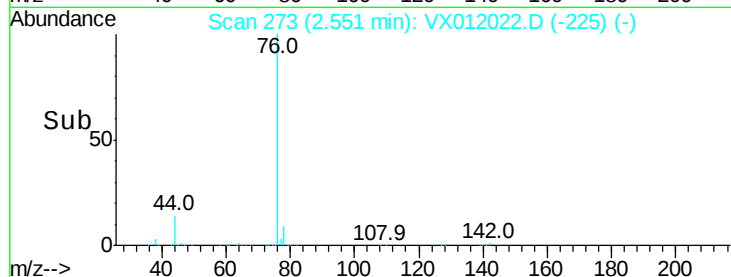
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 182.334 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012022.D

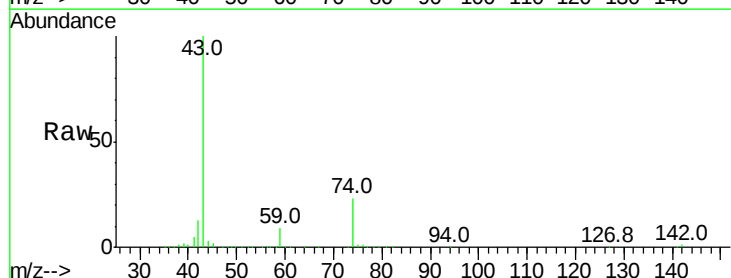
Acq: 03 Sep 2019 14:34

Tgt Ion: 43 Resp: 118992

Ion Ratio Lower Upper

43 100

74 24.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

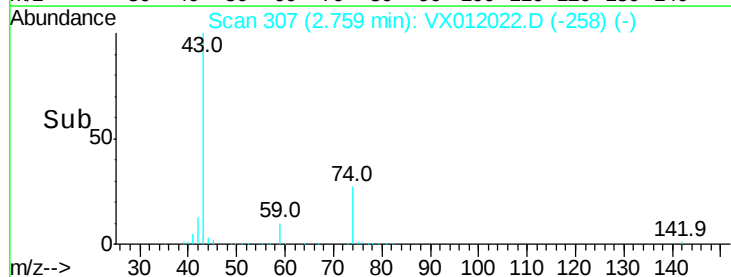
60000

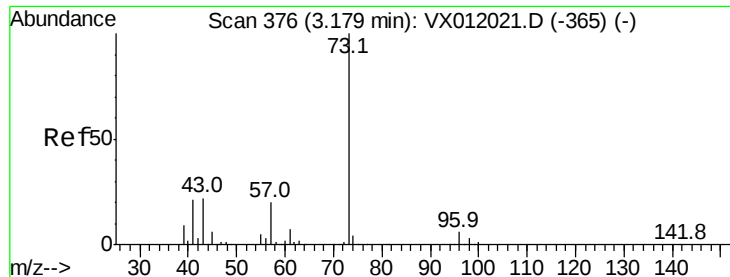
40000

20000

0

Time-->



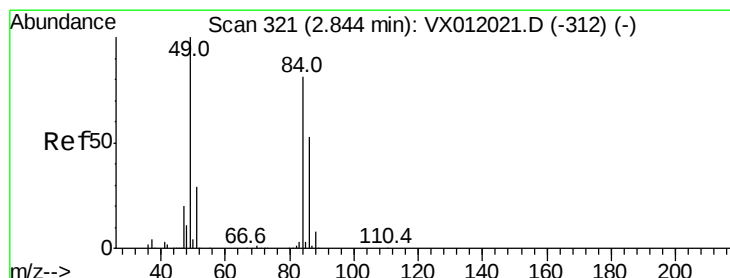
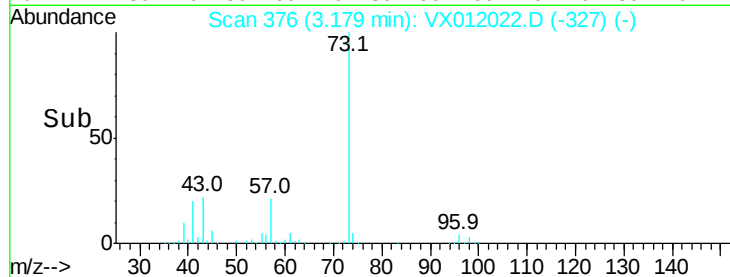
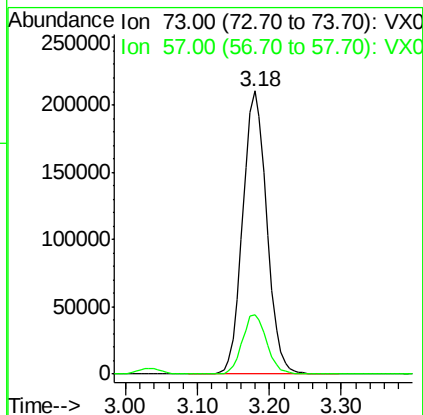
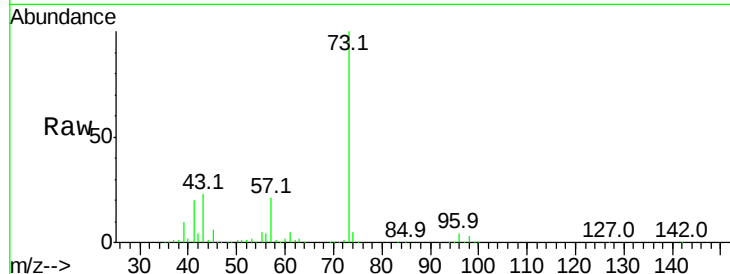


#19

Methyl tert-butyl Ether
 Concen: 174.679 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

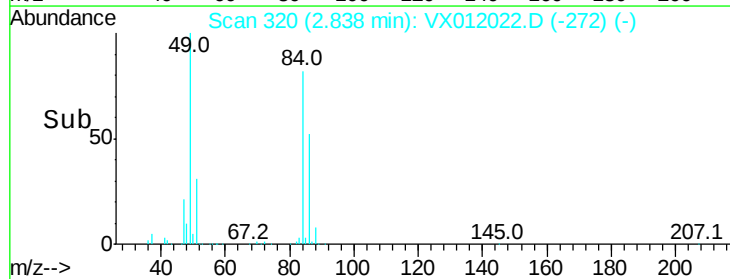
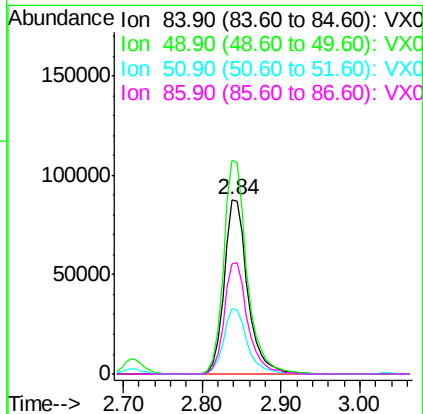
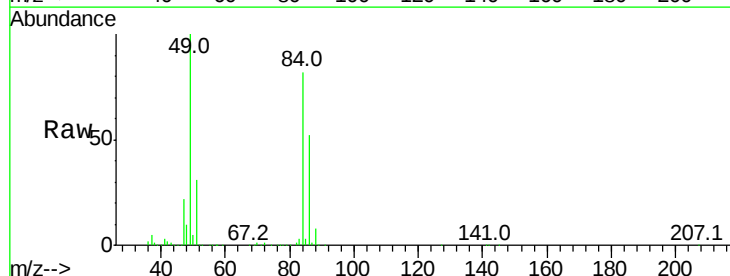
Tgt Ion: 73 Resp: 486019
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.6 25.0

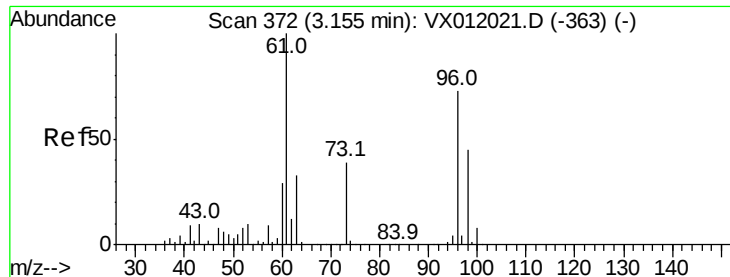


#20

Methylene Chloride
 Concen: 159.053 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 84 Resp: 180927
 Ion Ratio Lower Upper
 84 100
 49 122.3 95.8 143.8
 51 37.7 28.6 43.0
 86 63.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 160.179 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

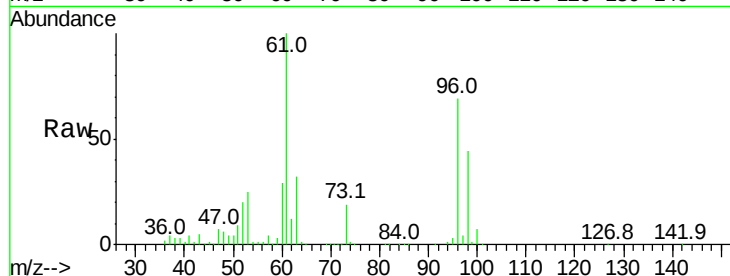
Tgt Ion: 96 Resp: 177711

Ion Ratio Lower Upper

96 100

61 143.9 107.0 160.6

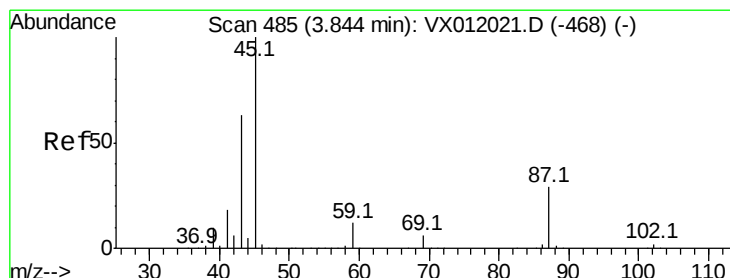
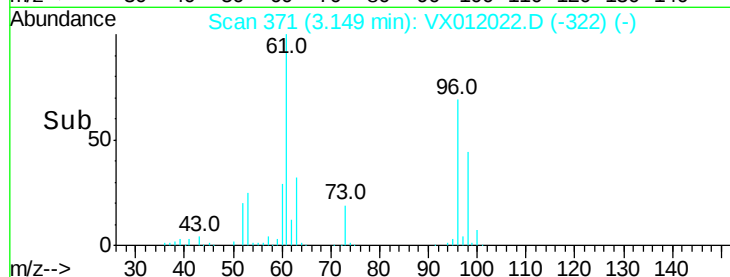
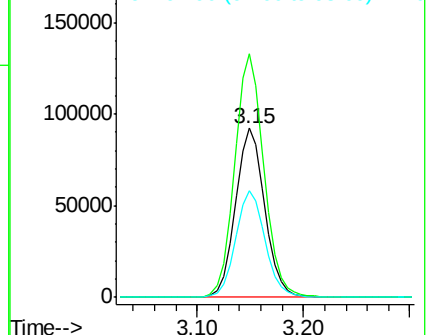
98 62.9 49.8 74.6



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



#22

Diisopropyl ether

Concen: 168.802 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion: 45 Resp: 543004

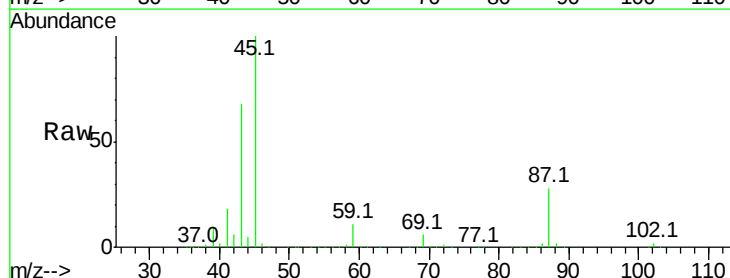
Ion Ratio Lower Upper

45 100

43 68.0 54.2 81.4

87 27.6 23.4 35.0

59 11.4 9.0 13.6

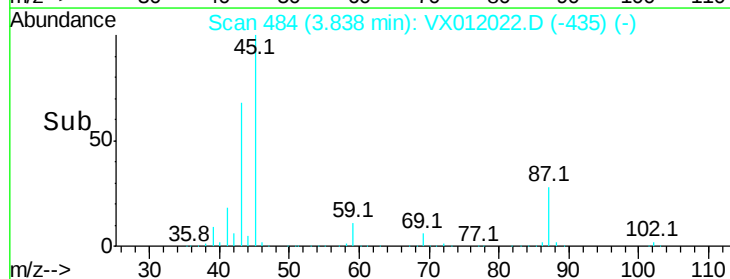
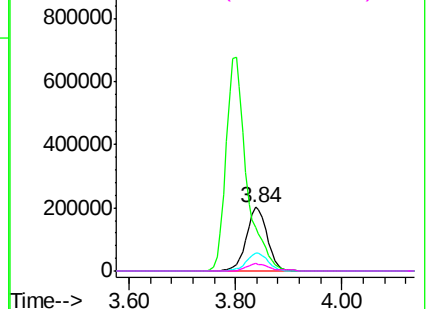


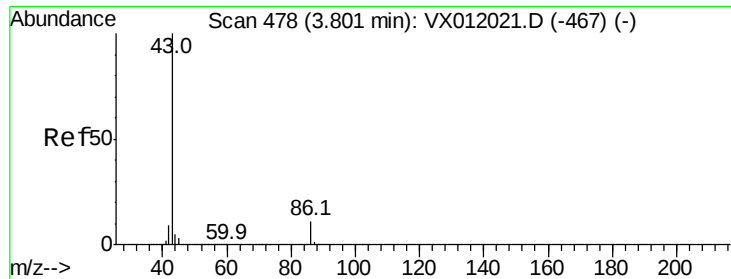
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 909.007 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

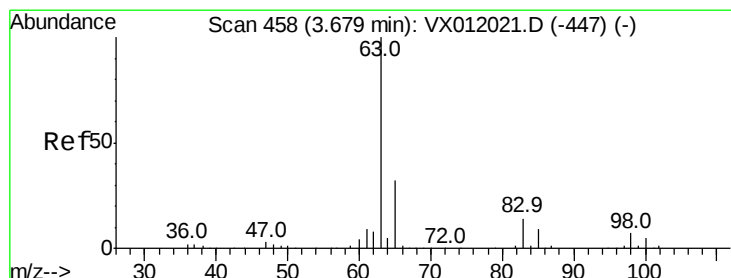
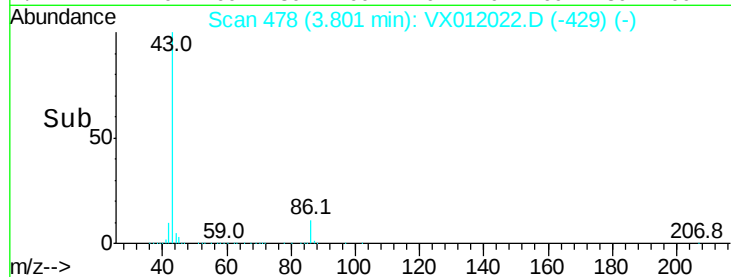
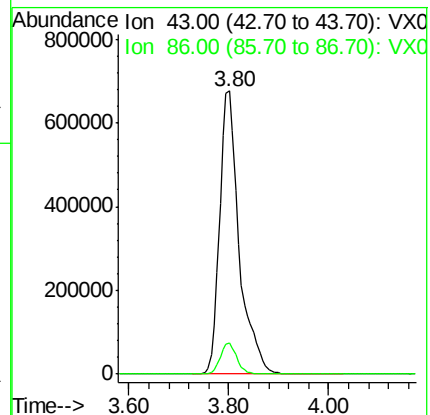
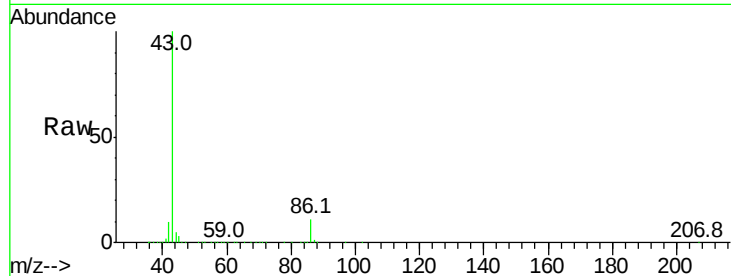
VSTDIC100

Tgt Ion: 43 Resp: 1838590

Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 168.969 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

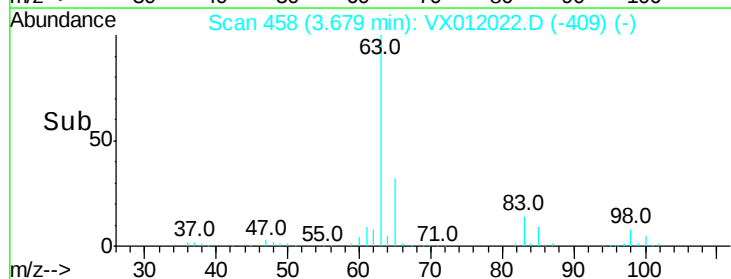
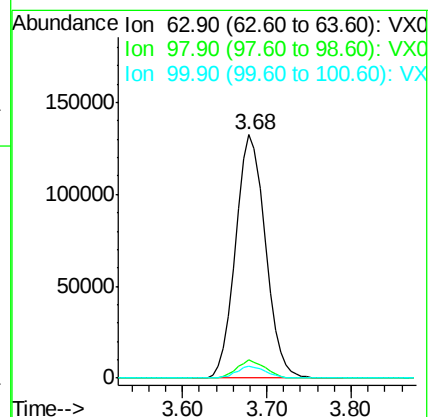
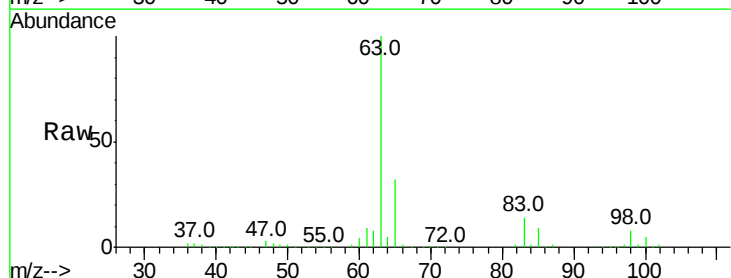
Tgt Ion: 63 Resp: 316986

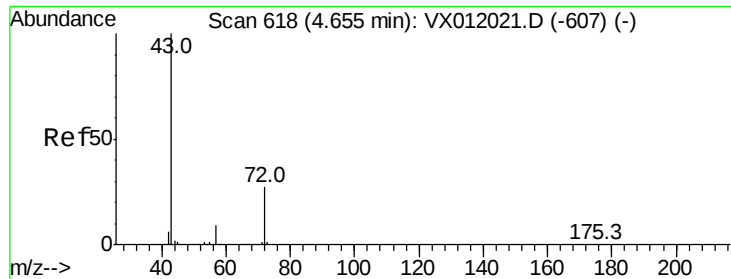
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 973.594 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

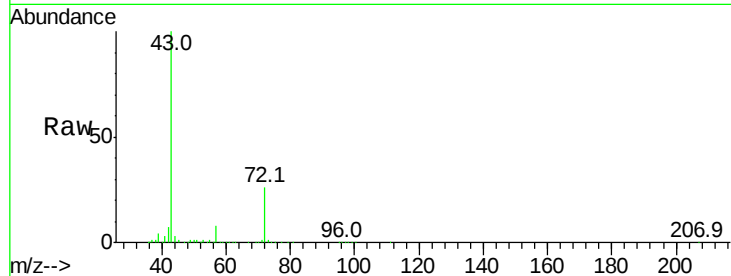
VSTDIC100

Tgt Ion: 43 Resp: 334030

Ion Ratio Lower Upper

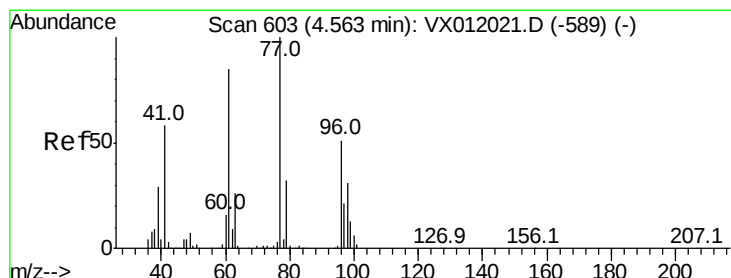
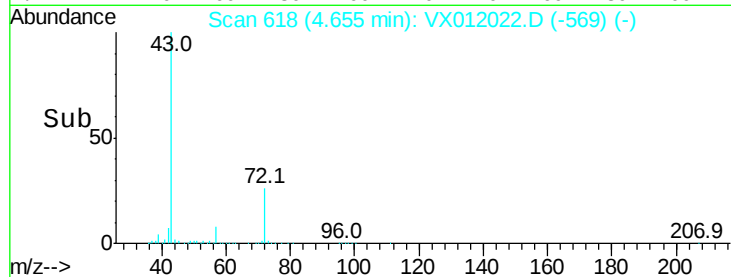
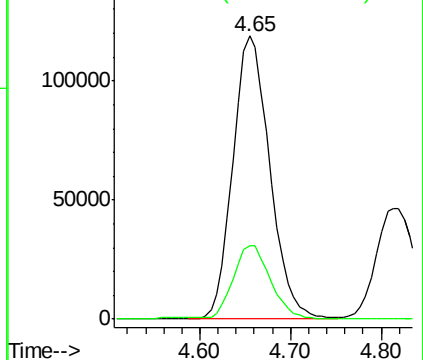
43 100

72 26.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 165.854 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012022.D

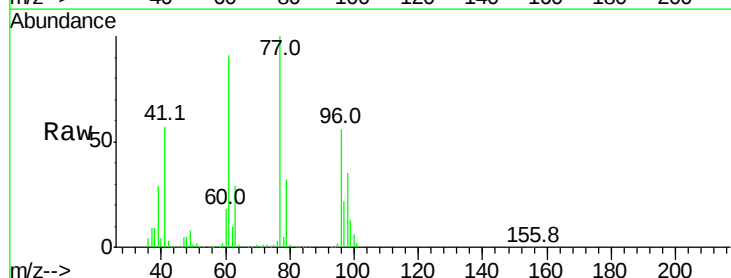
Acq: 03 Sep 2019 14:34

Tgt Ion: 77 Resp: 288610

Ion Ratio Lower Upper

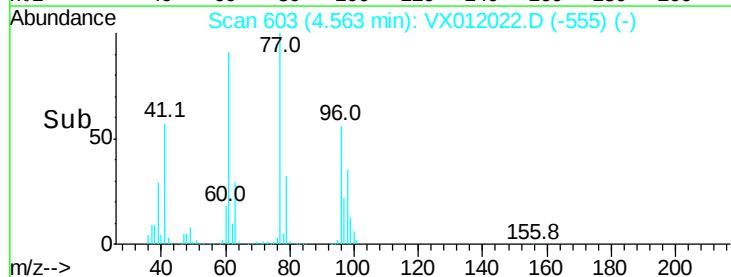
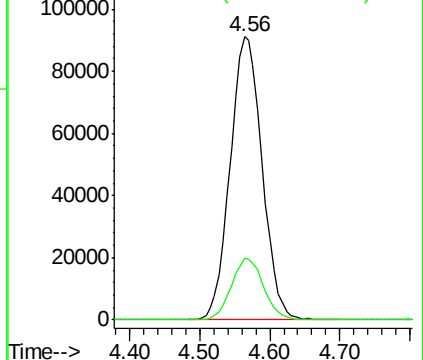
77 100

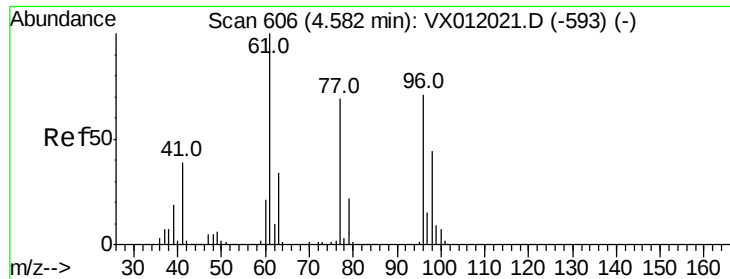
97 21.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



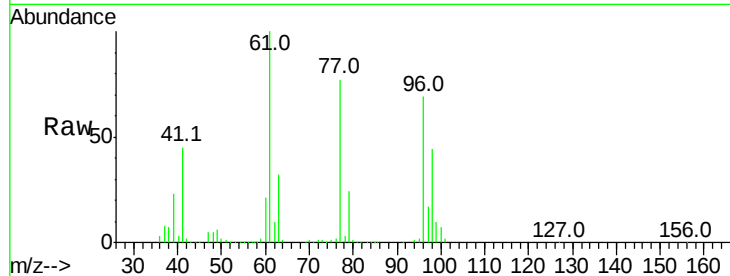


#27

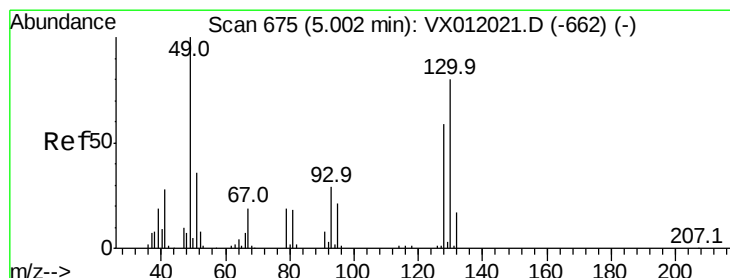
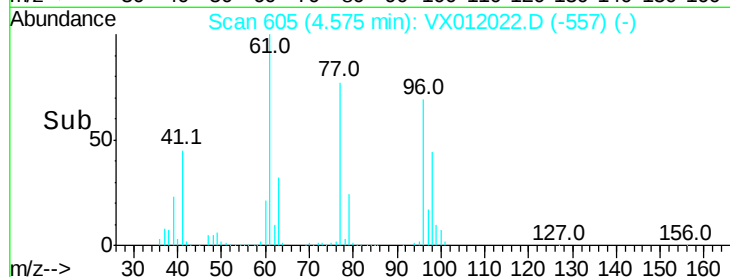
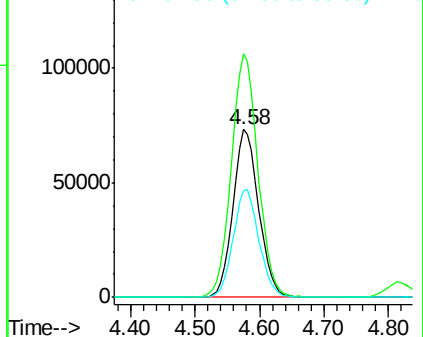
cis-1,2-Dichloroethene
Concen: 159.905 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	277.0
98	64.4	0.0	128.4



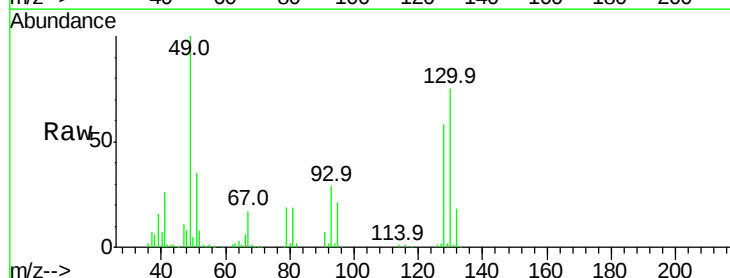
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



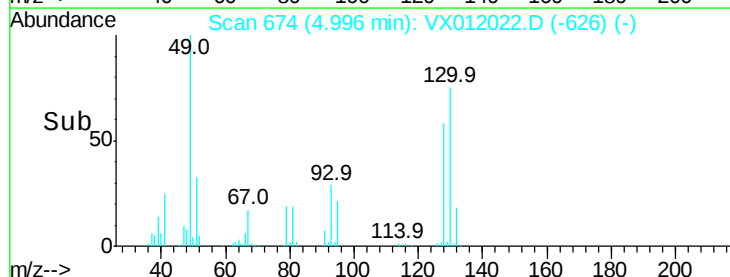
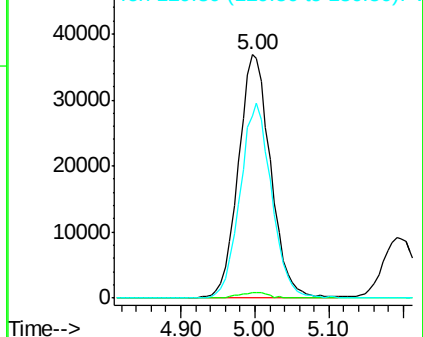
#28

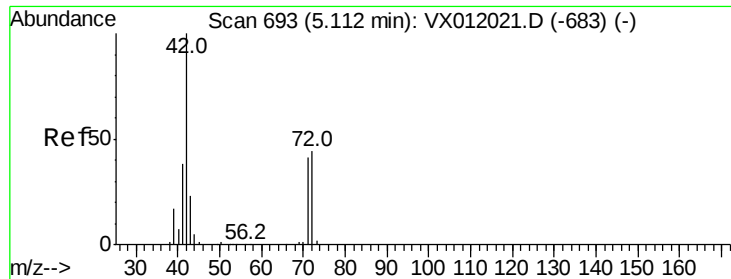
Bromochloromethane
Concen: 145.785 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.6
130	78.1	76.7	115.1



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

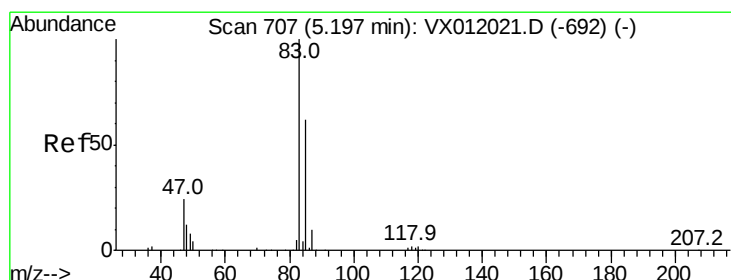
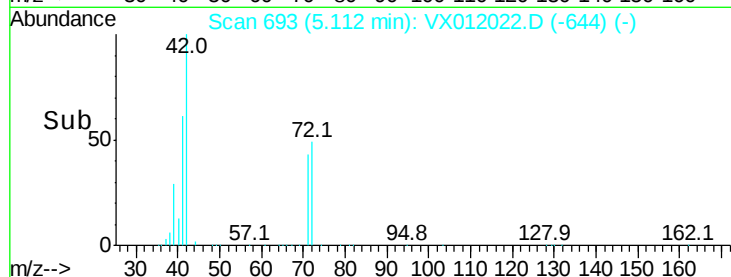
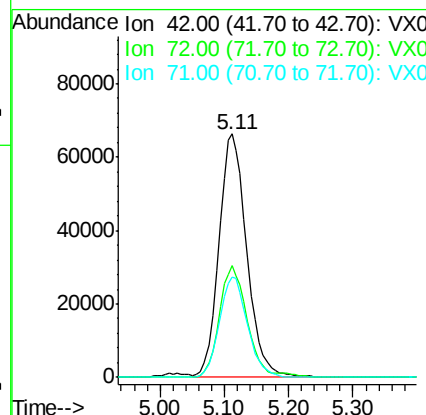
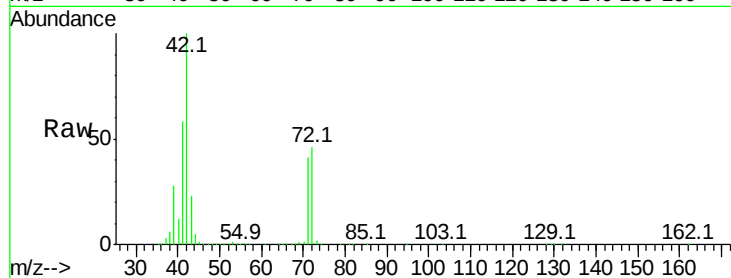




#29
Tetrahydrofuran
Concen: 946.253 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

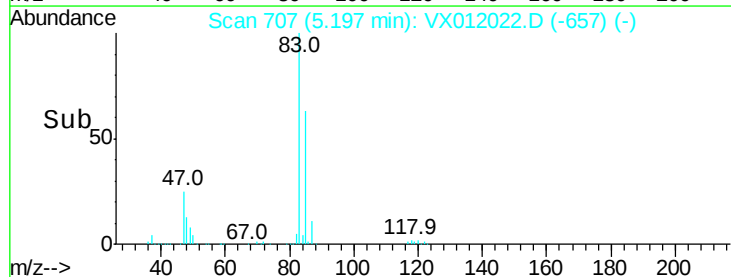
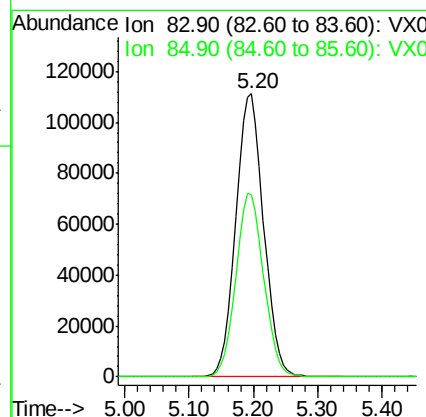
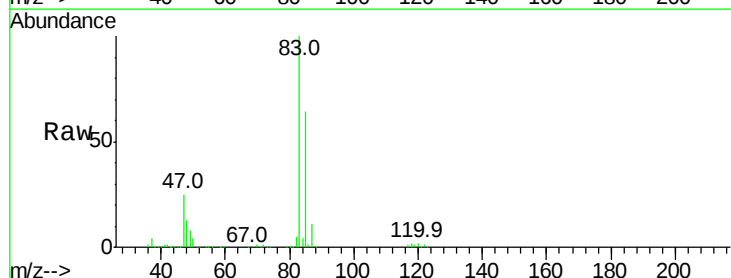
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

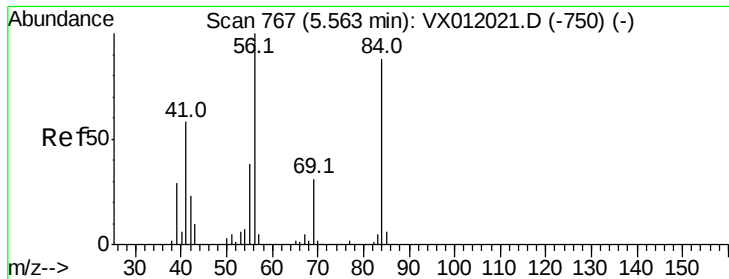
Tgt Ion: 42 Resp: 199661
Ion Ratio Lower Upper
42 100
72 46.9 37.0 55.4
71 42.0 33.8 50.8



#30
Chloroform
Concen: 163.004 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 83 Resp: 335649
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8





#31

Cyclohexane

Concen: 162.058 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

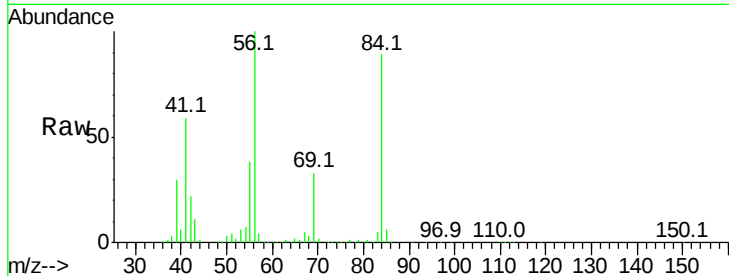
Tgt Ion: 56 Resp: 253280

Ion Ratio Lower Upper

56 100

69 32.6 25.7 38.5

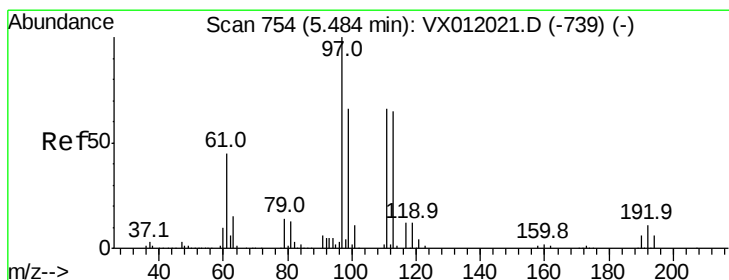
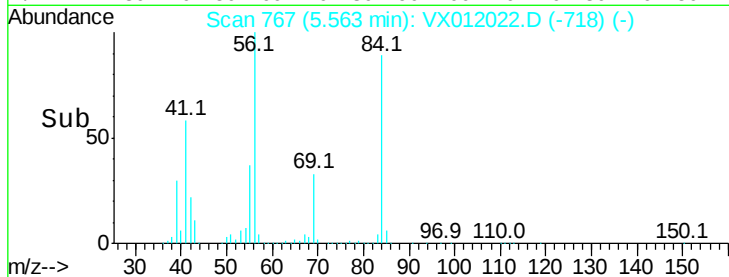
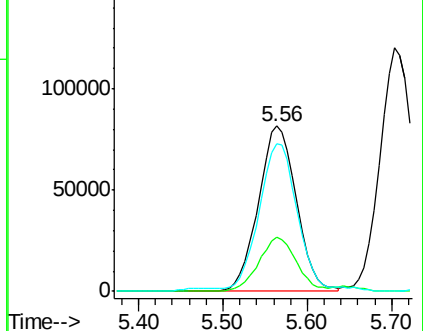
84 87.5 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 157.241 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

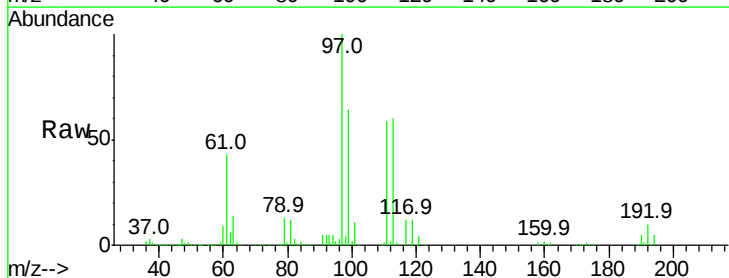
Tgt Ion: 97 Resp: 301236

Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

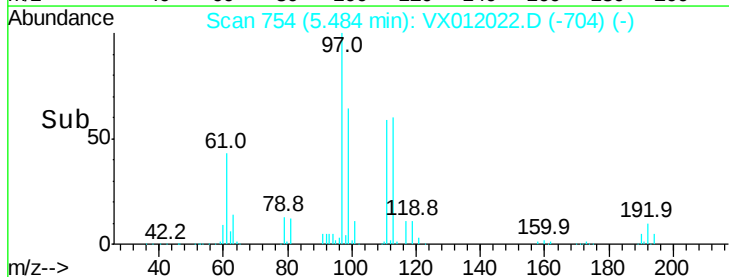
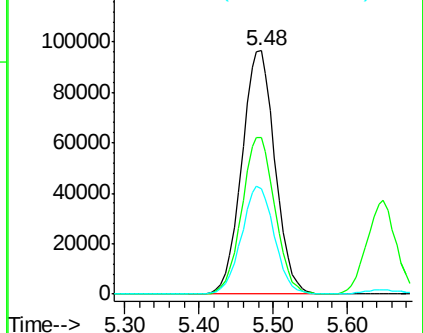
61 44.0 32.8 49.2

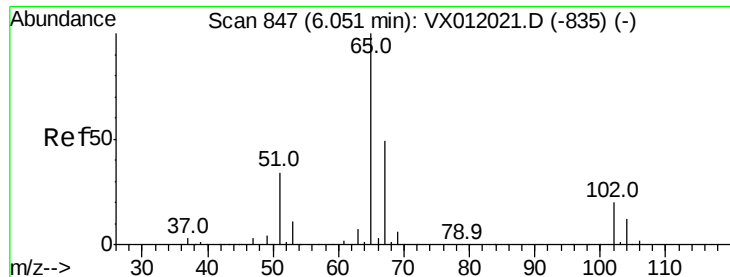


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

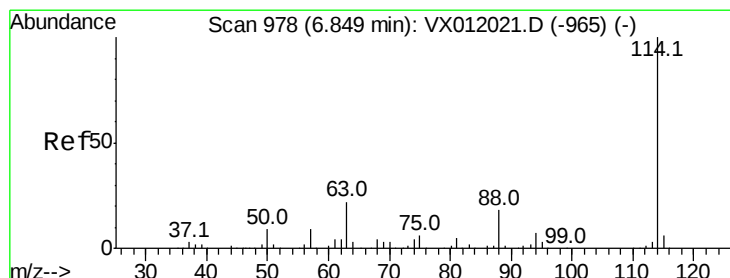
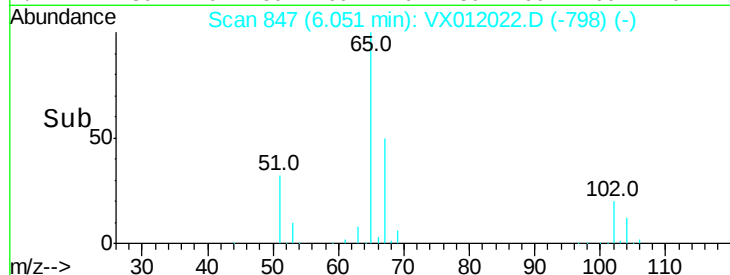
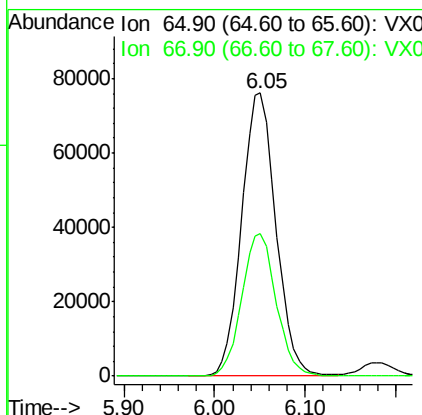
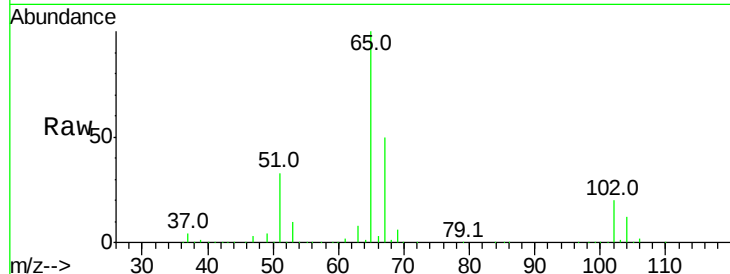




#33
 1,2-Dichloroethane-d4
 Concen: 155.255 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

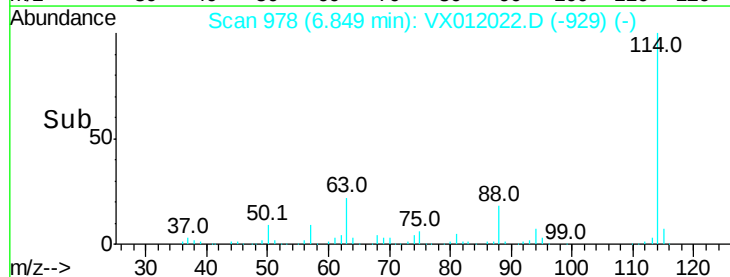
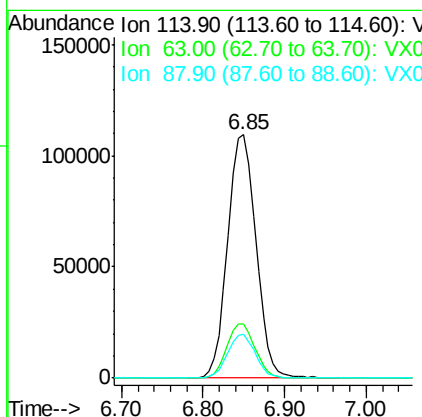
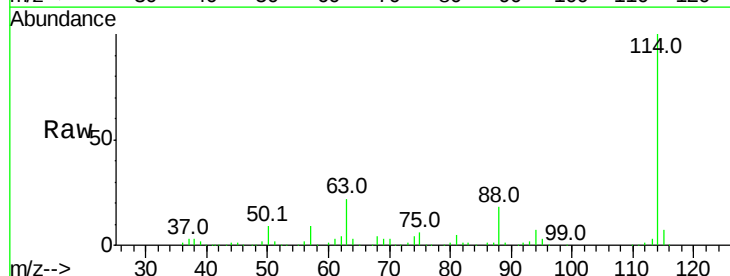
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

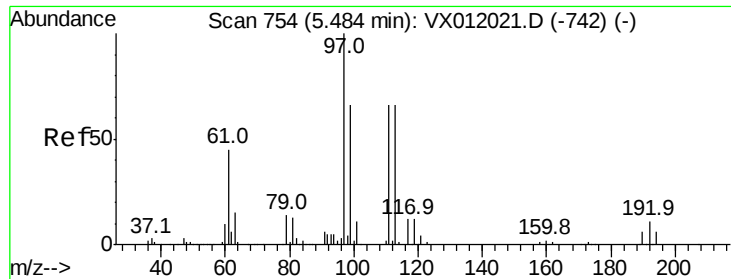
Tgt Ion: 65 Resp: 199234
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 114 Resp: 263904
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.4
 88 18.1 0.0 29.6

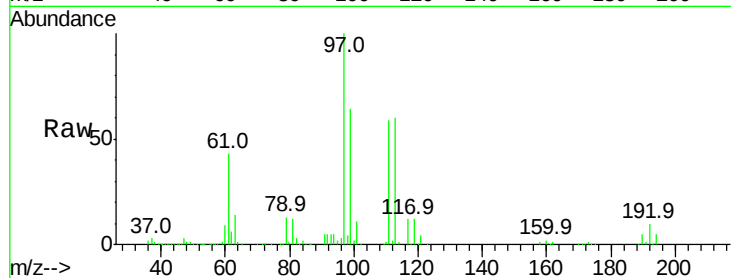




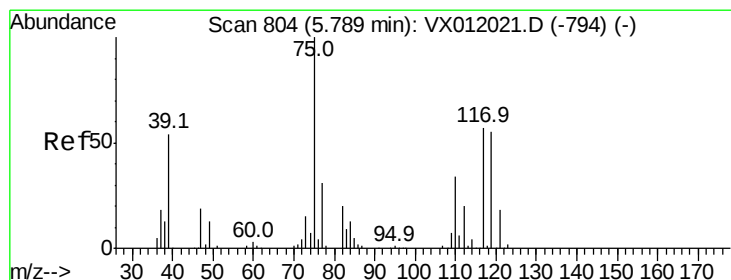
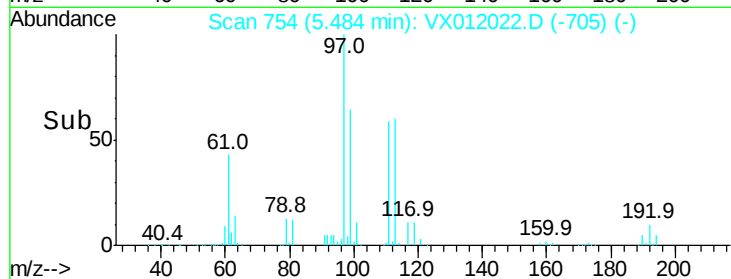
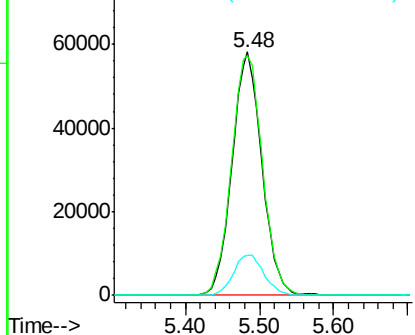
#35
 Dibromofluoromethane
 Concen: 94.164 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion: 113 Resp: 162945
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 17.1 22.5 33.7#

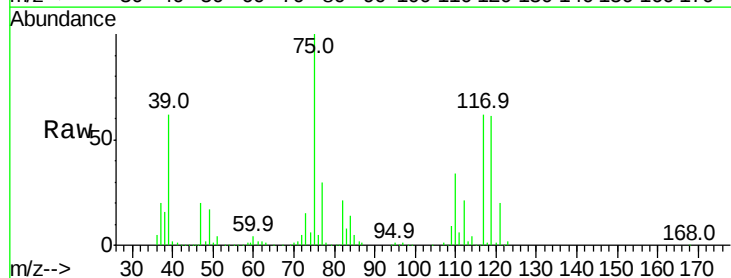


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

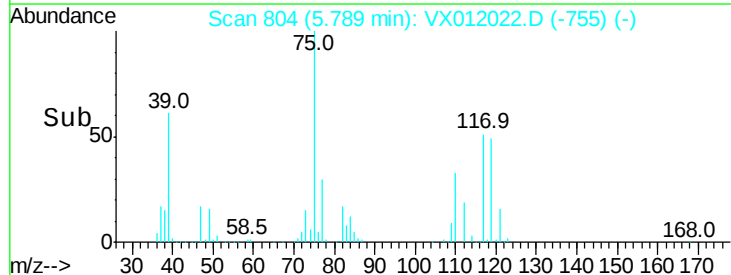
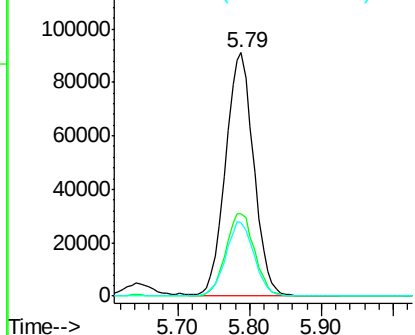


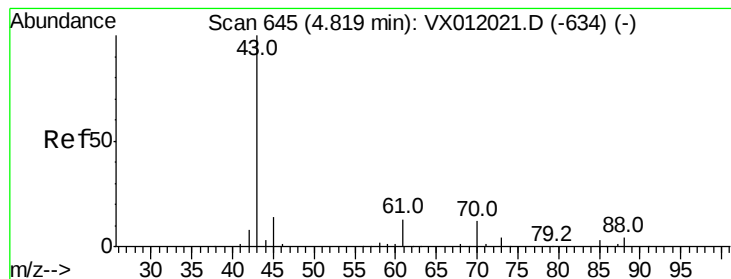
#36
 1,1-Dichloropropene
 Concen: 122.470 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 75 Resp: 247312
 Ion Ratio Lower Upper
 75 100
 110 34.7 19.5 58.5
 77 30.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 140.068 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

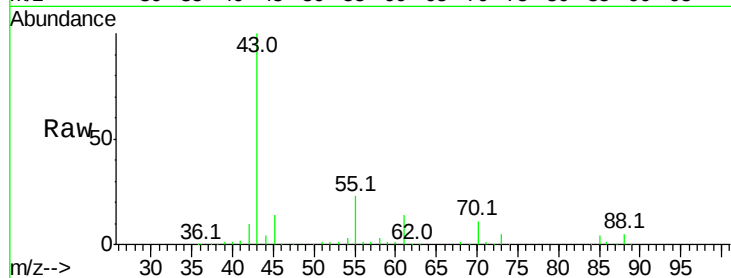
Tgt Ion: 43 Resp: 141592

Ion Ratio Lower Upper

43 100

61 13.4 10.9 16.3

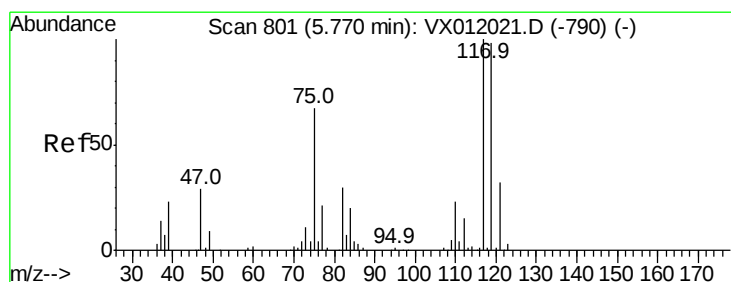
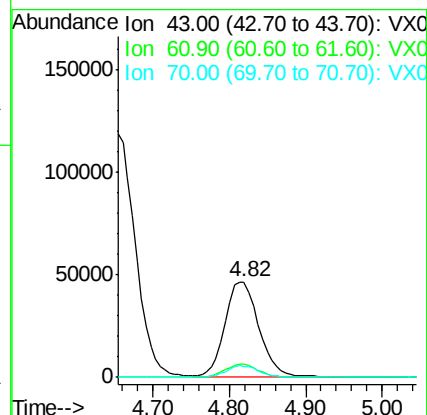
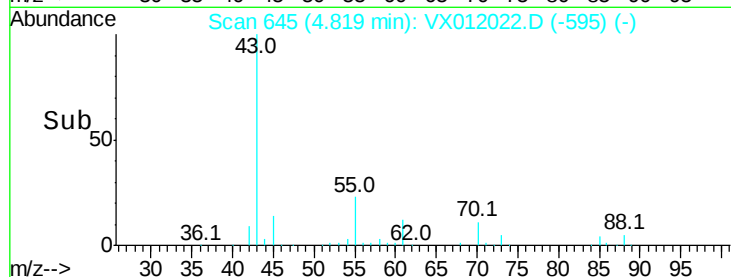
70 11.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 106.517 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

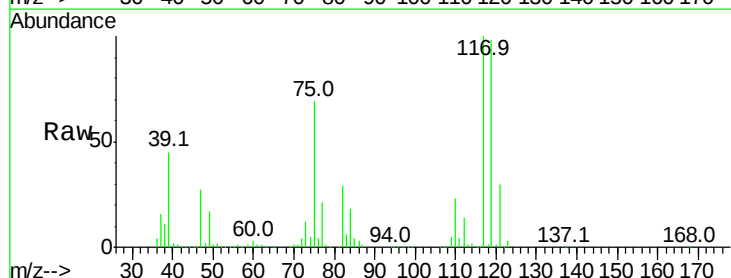
Tgt Ion: 117 Resp: 261560

Ion Ratio Lower Upper

117 100

119 97.6 78.3 117.5

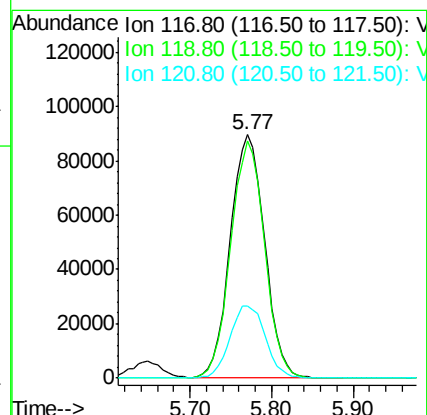
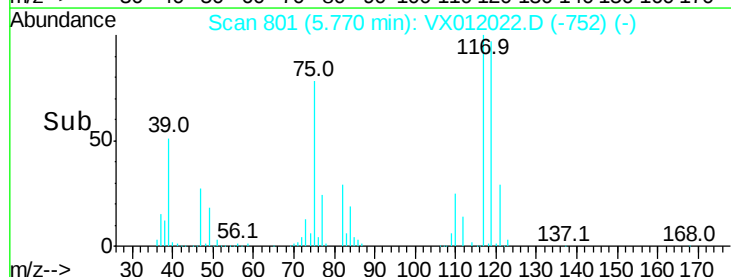
121 29.8 24.2 36.2

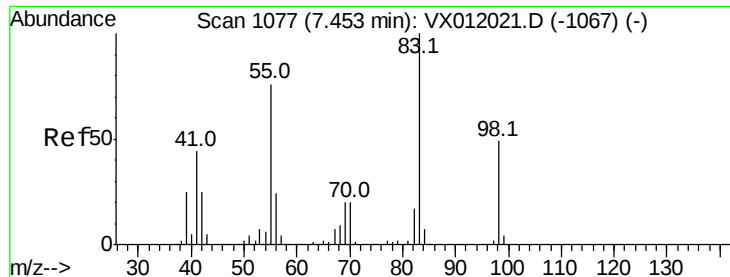


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

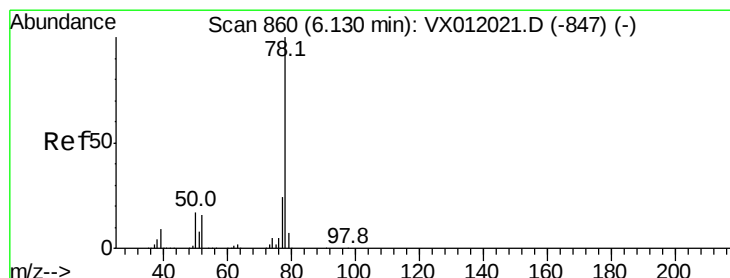
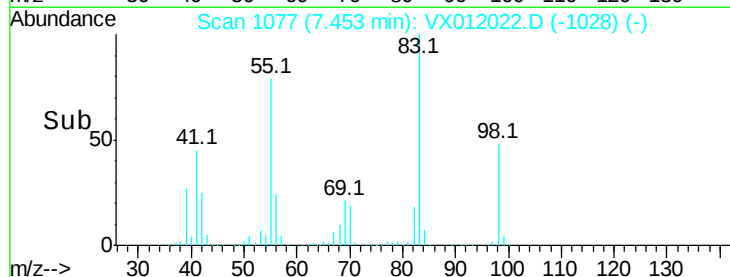
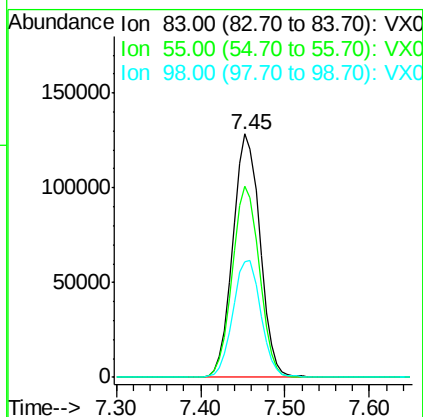
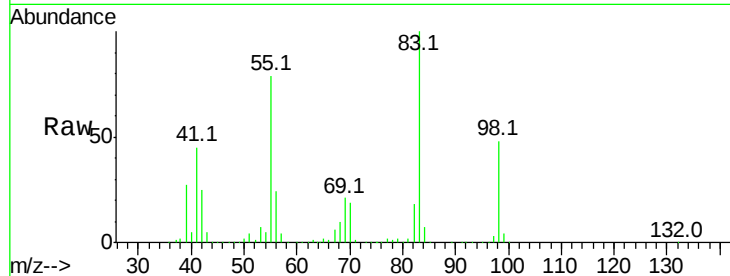




#39
Methylcyclohexane
Concen: 113.997 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

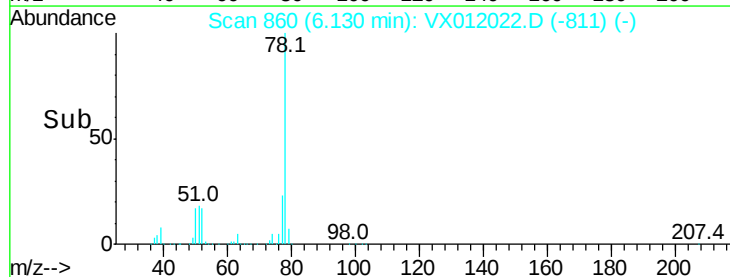
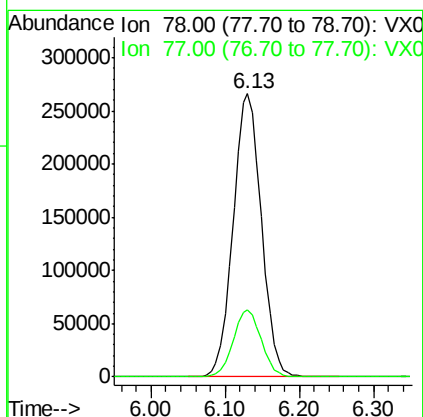
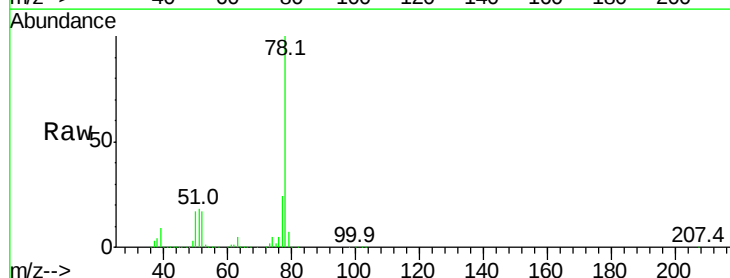
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

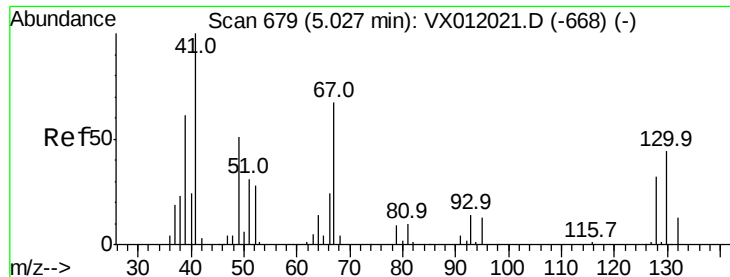
Tgt Ion: 83 Resp: 279520
Ion Ratio Lower Upper
83 100
55 78.6 59.6 89.4
98 47.5 41.4 62.0



#40
Benzene
Concen: 121.038 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 78 Resp: 705925
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9





#41

Methacrylonitrile

Concen: 137.952 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 84043

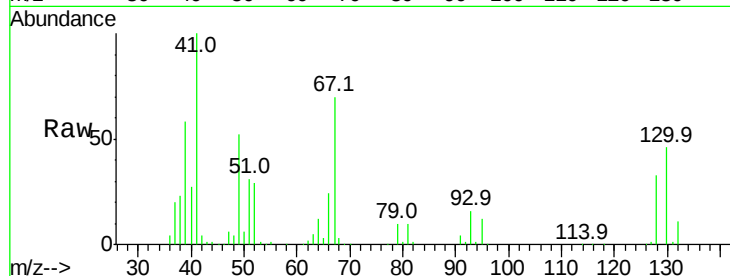
Ion Ratio Lower Upper

41 100

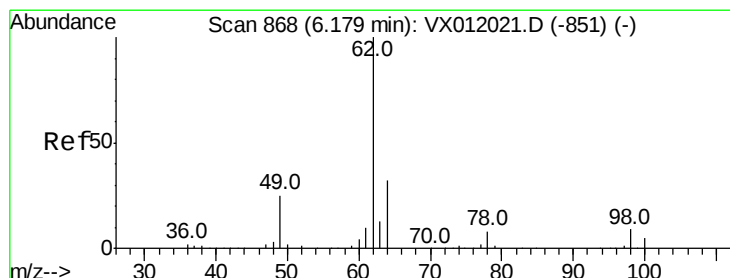
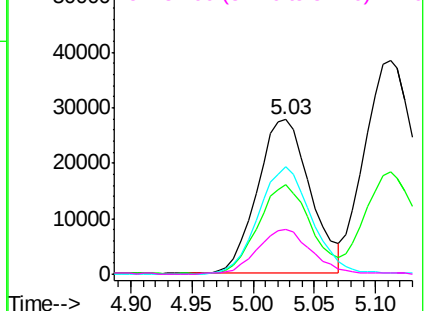
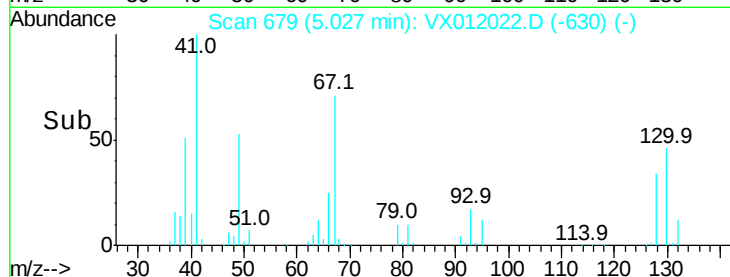
39 56.9 46.7 70.1

67 69.9 57.0 85.6

52 29.0 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 129.357 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012022.D

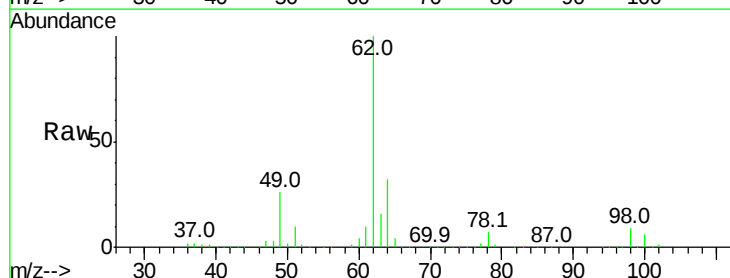
Acq: 03 Sep 2019 14:34

Tgt Ion: 62 Resp: 255577

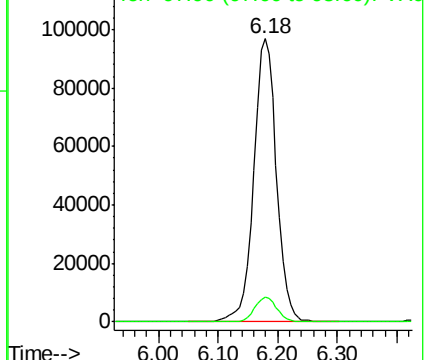
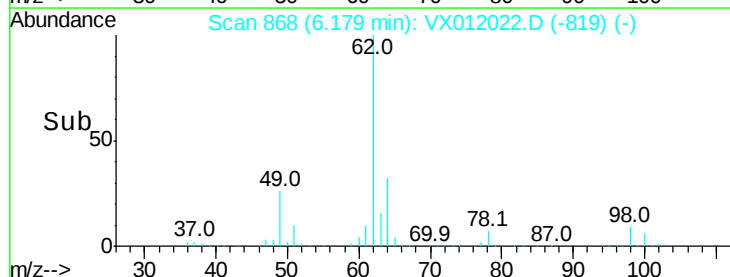
Ion Ratio Lower Upper

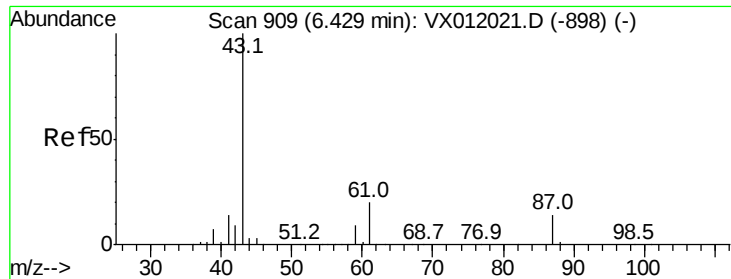
62 100

98 8.6 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 136.161 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

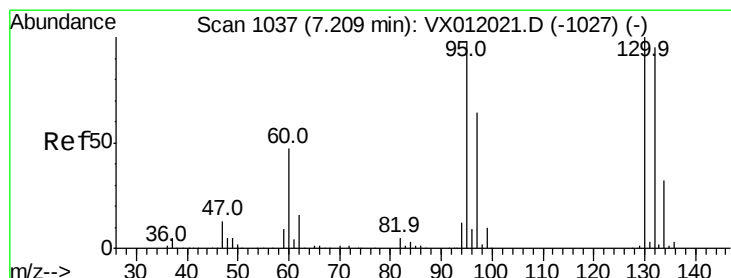
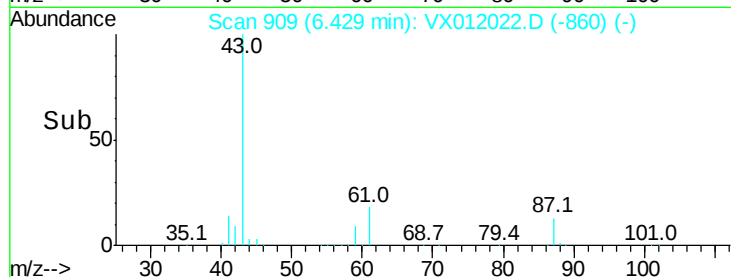
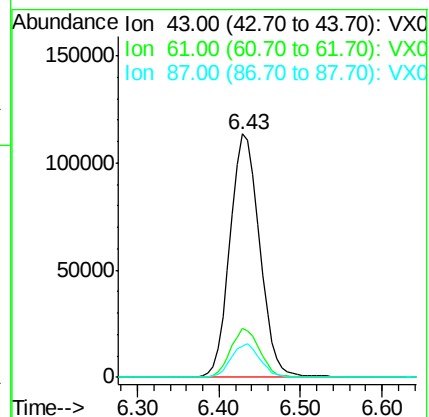
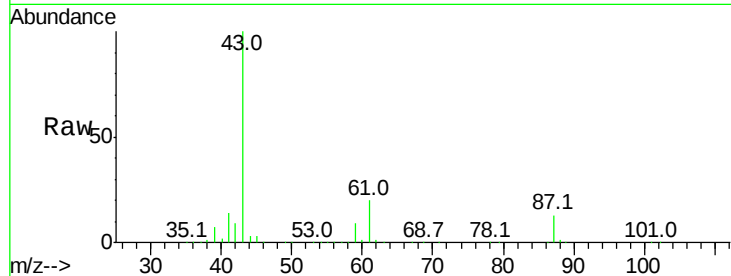
Tgt Ion: 43 Resp: 284511

Ion Ratio Lower Upper

43 100

61 19.9 16.1 24.1

87 13.4 11.3 16.9



#44

Trichloroethene

Concen: 97.309 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012022.D

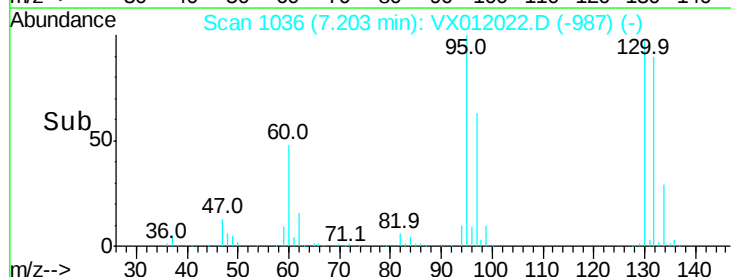
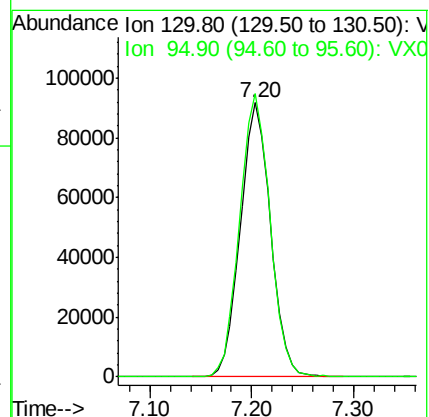
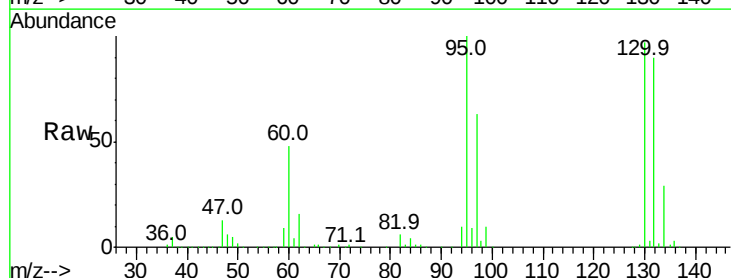
Acq: 03 Sep 2019 14:34

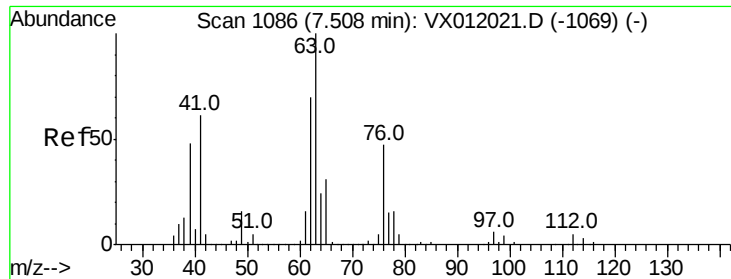
Tgt Ion: 130 Resp: 188494

Ion Ratio Lower Upper

130 100

95 103.2 0.0 176.4





#45

1,2-Dichloropropane

Concen: 121.959 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

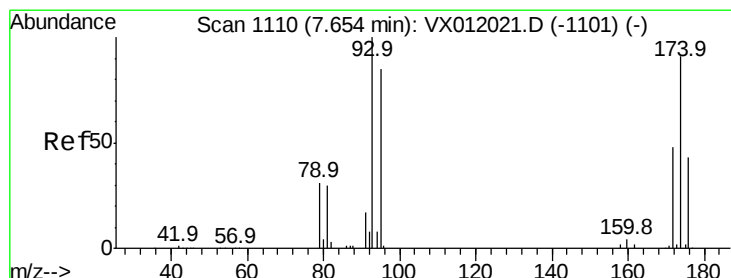
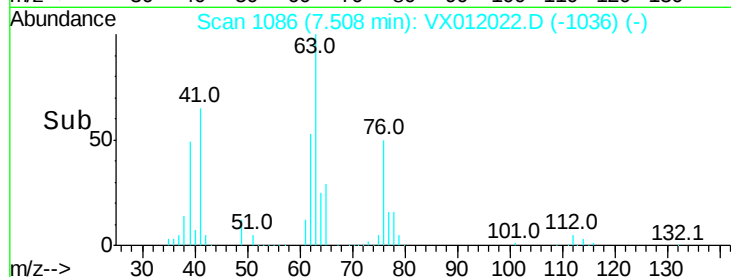
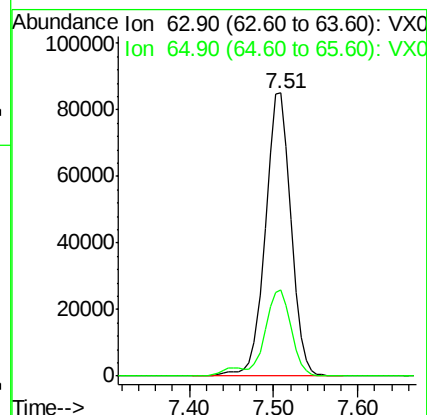
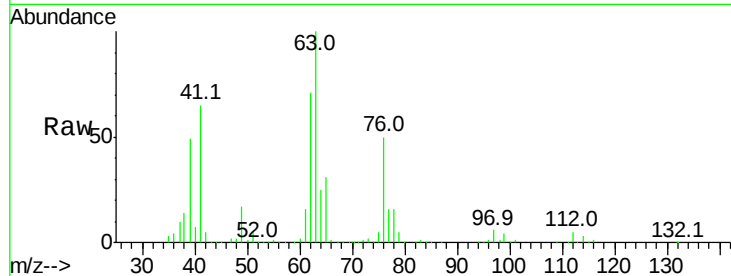
VSTDIC100

Tgt Ion: 63 Resp: 178986

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



#46

Dibromomethane

Concen: 120.824 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

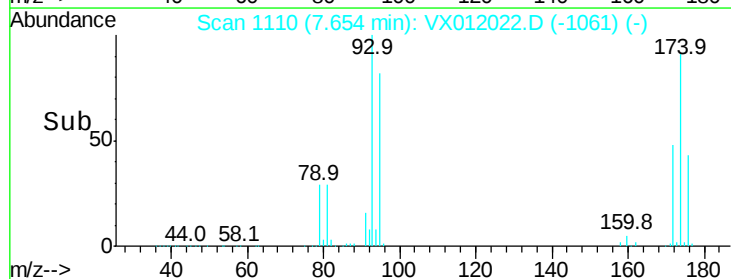
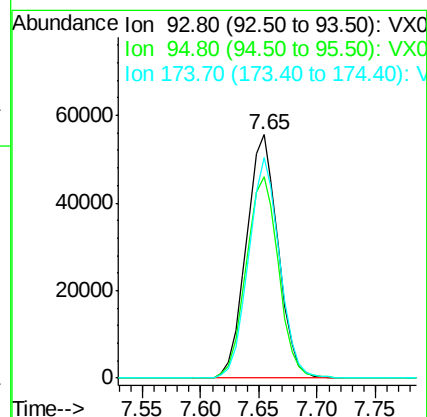
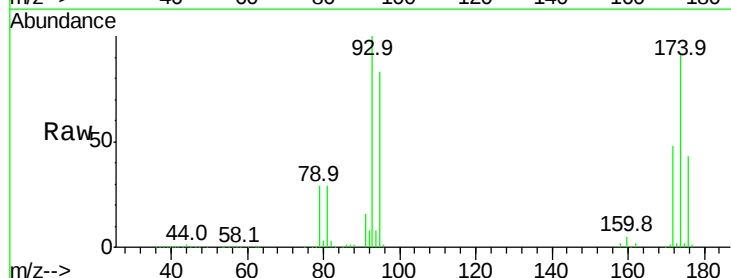
Tgt Ion: 93 Resp: 106289

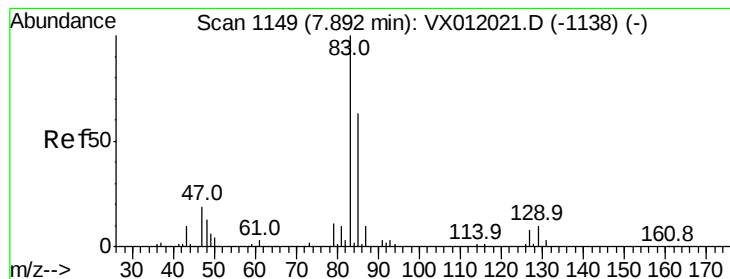
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.2

174 88.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 120.552 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

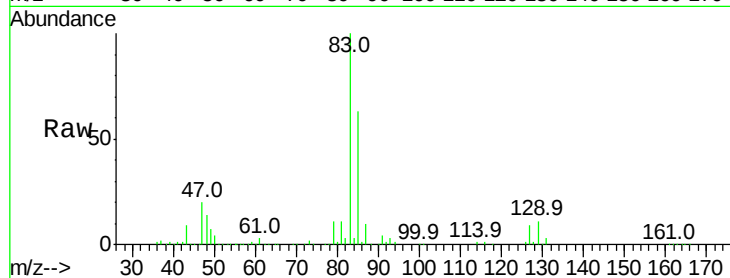
Tgt Ion: 83 Resp: 267712

Ion Ratio Lower Upper

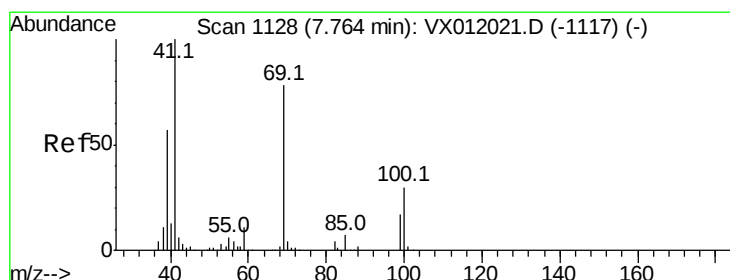
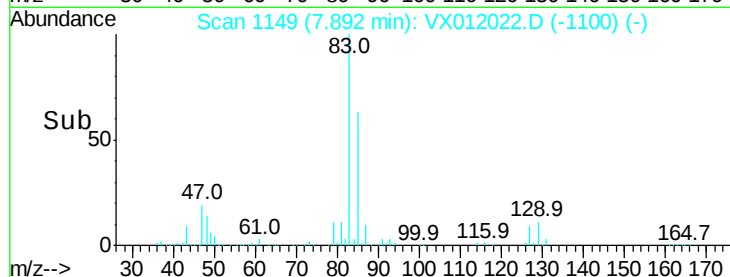
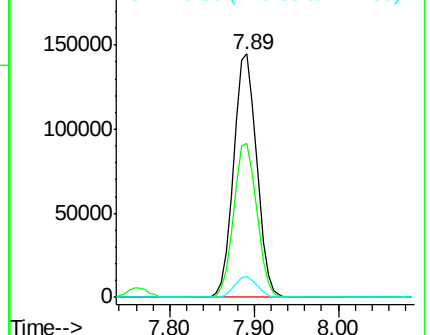
83 100

85 63.4 50.3 75.5

127 8.6 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 138.317 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

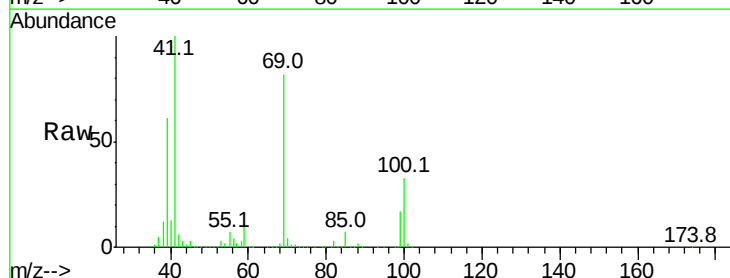
Tgt Ion: 41 Resp: 142514

Ion Ratio Lower Upper

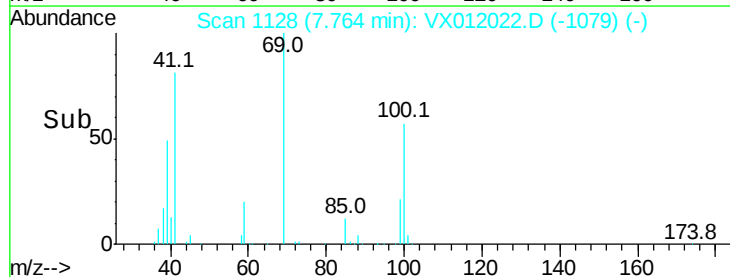
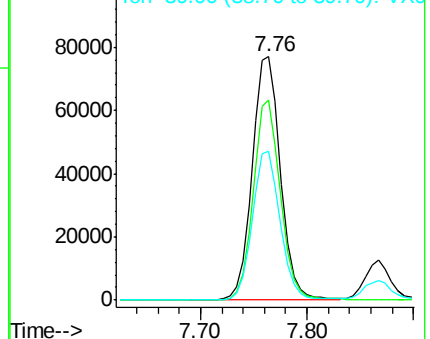
41 100

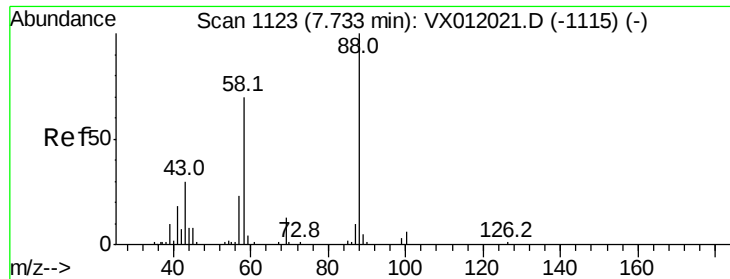
69 79.8 66.3 99.5

39 60.3 48.1 72.1



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

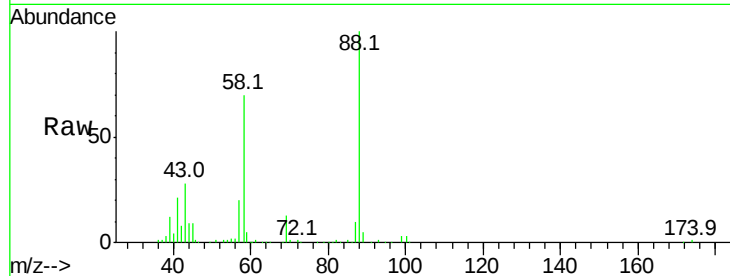




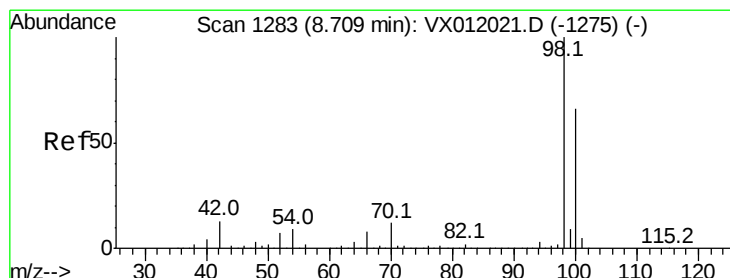
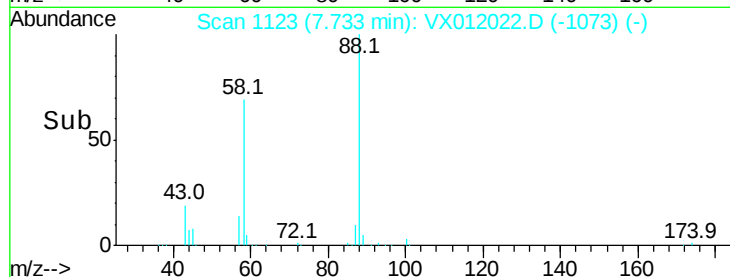
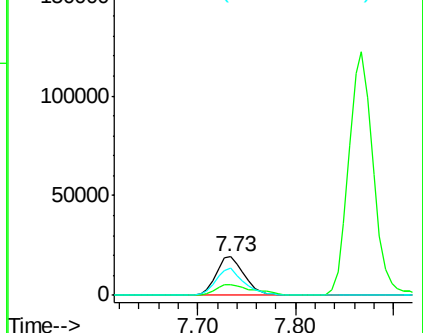
#49
1,4-Dioxane
Concen: 2661.637 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 38474
Ion Ratio Lower Upper
88 100
43 35.9 29.8 44.6
58 70.7 55.4 83.2

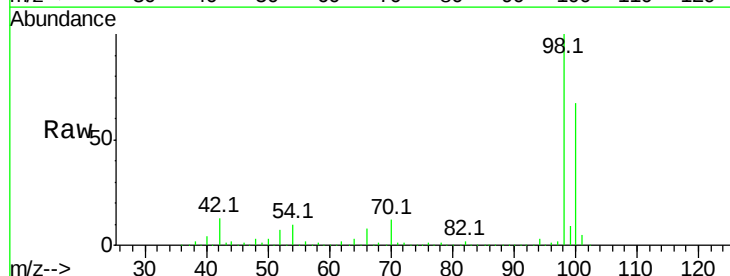


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

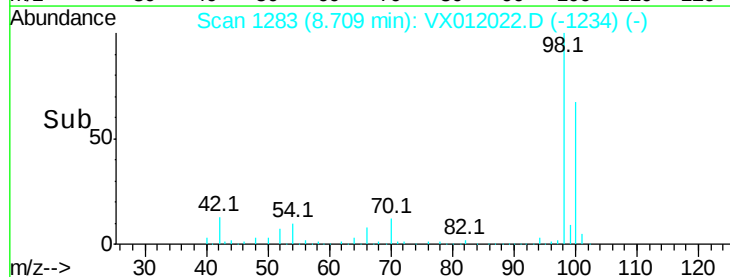
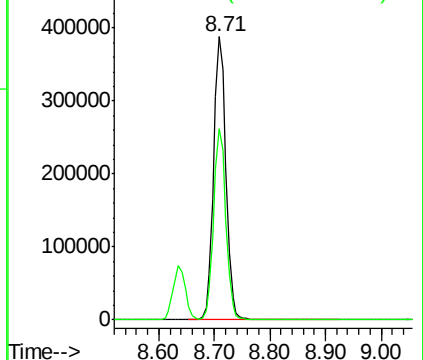


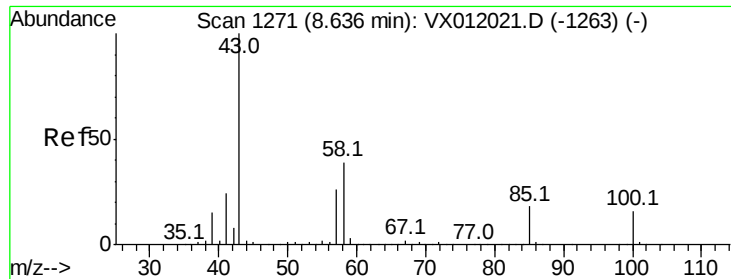
#50
Toluene-d8
Concen: 98.808 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 98 Resp: 602243
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



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: 670.274 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

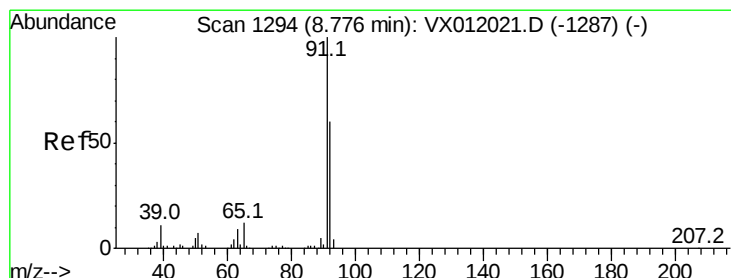
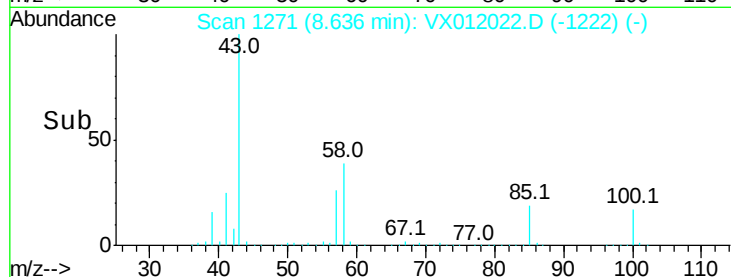
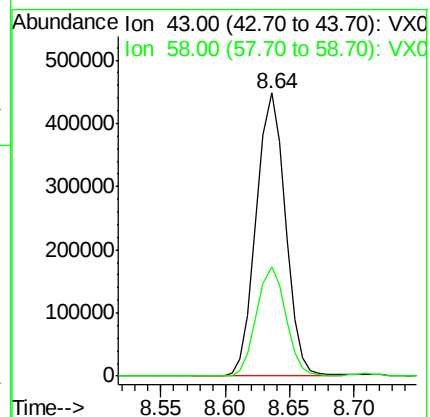
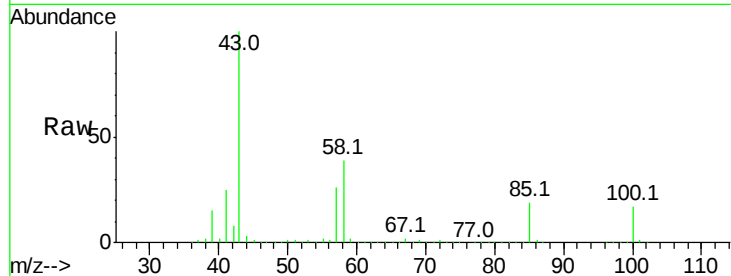
VSTDIC100

Tgt Ion: 43 Resp: 703881

Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3



#52

Toluene

Concen: 115.209 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012022.D

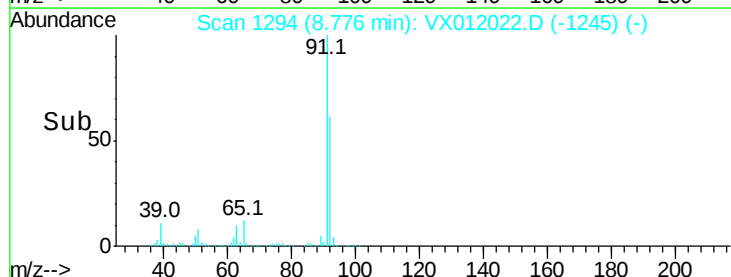
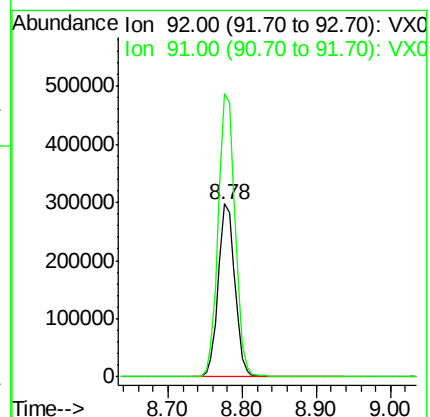
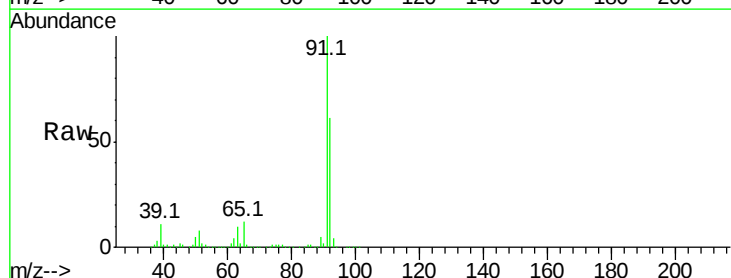
Acq: 03 Sep 2019 14:34

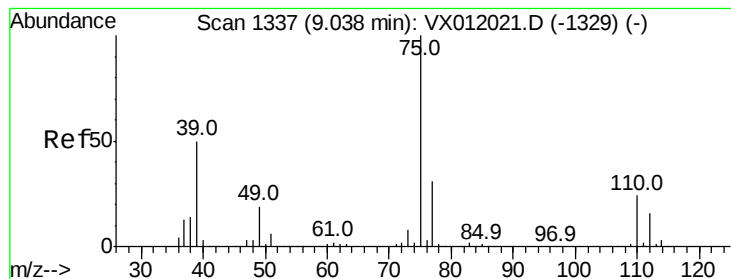
Tgt Ion: 92 Resp: 455265

Ion Ratio Lower Upper

92 100

91 166.4 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 124.674 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

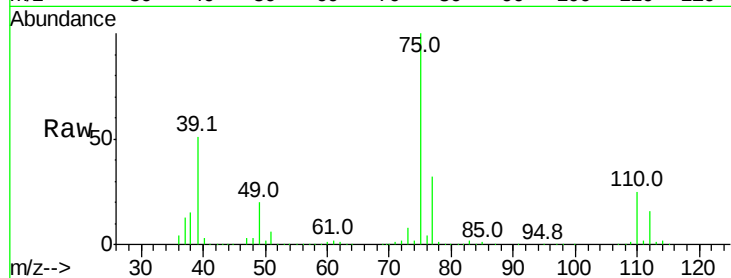
VSTDIC100

Tgt Ion: 75 Resp: 280263

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

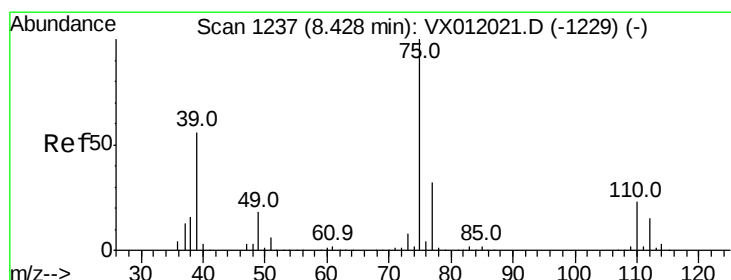
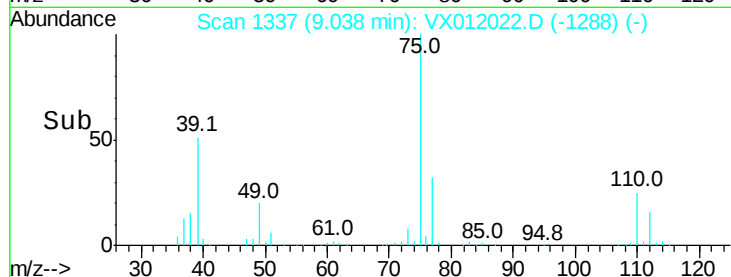
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 123.388 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

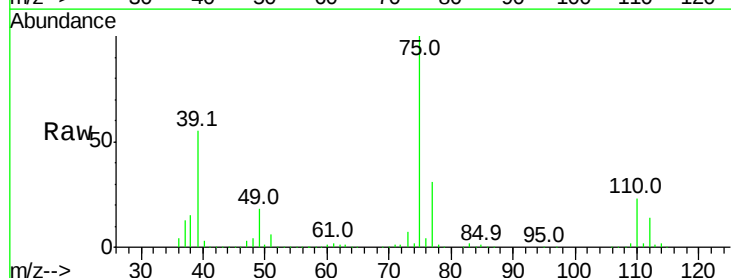
Tgt Ion: 75 Resp: 312206

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 54.5 43.0 64.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

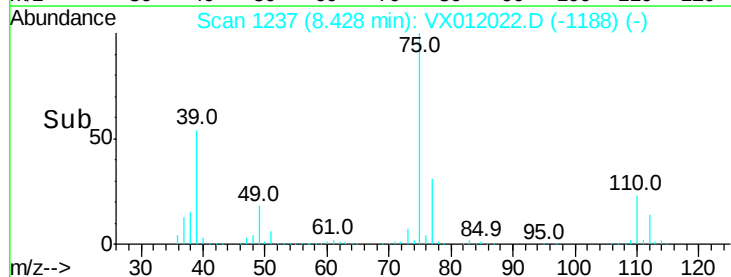
150000

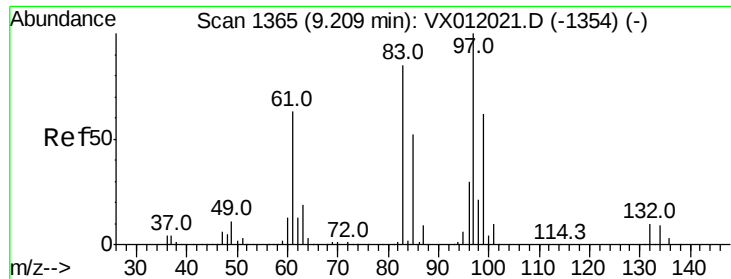
100000

50000

0

Time-->

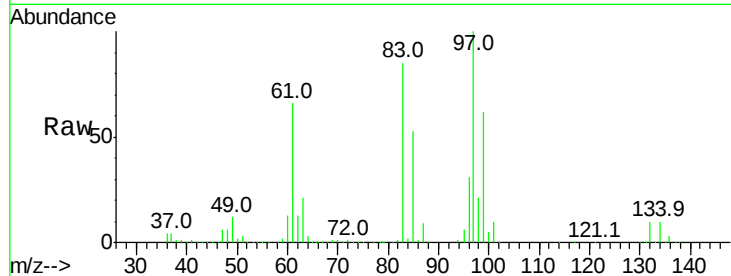




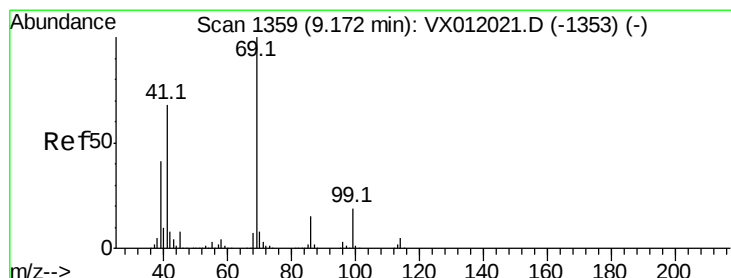
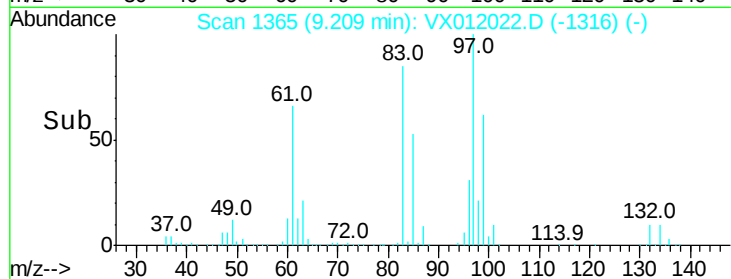
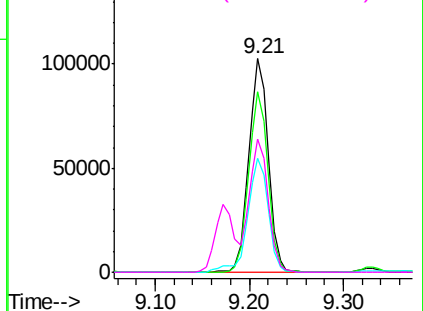
#55
 1,1,2-Trichloroethane
 Concen: 115.804 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	148720
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.0	99.0
85	53.1	41.0	61.6
99	62.2	50.6	75.8

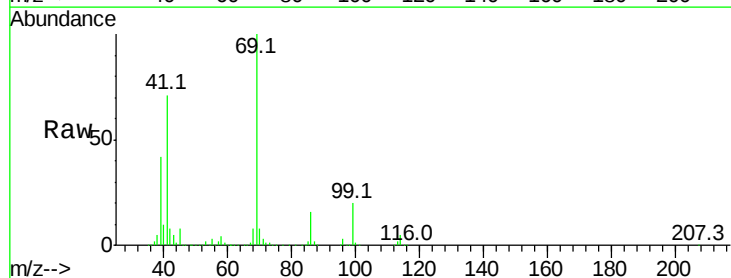


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

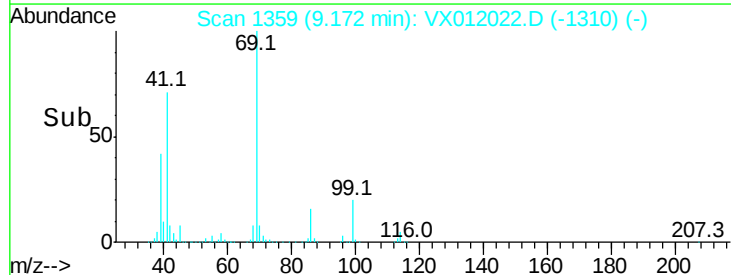
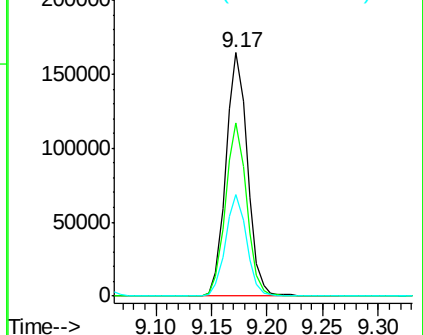


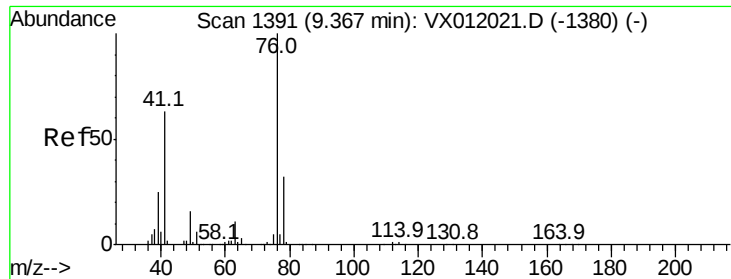
#56
 Ethyl methacrylate
 Concen: 129.611 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion:	69	Resp:	221049
Ion	Ratio	Lower	Upper
69	100		
41	70.2	53.9	80.9
39	40.8	31.1	46.7



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





#57

1,3-Dichloropropane

Concen: 123.102 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

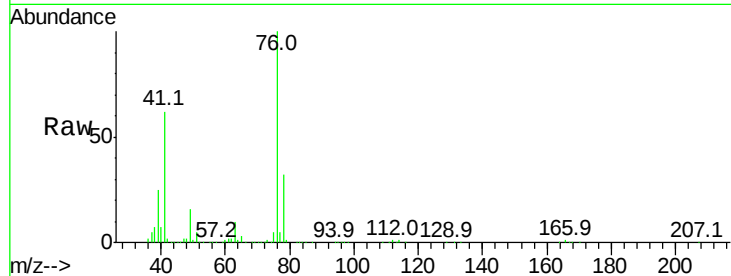
VSTDIC100

Tgt Ion: 76 Resp: 259636

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

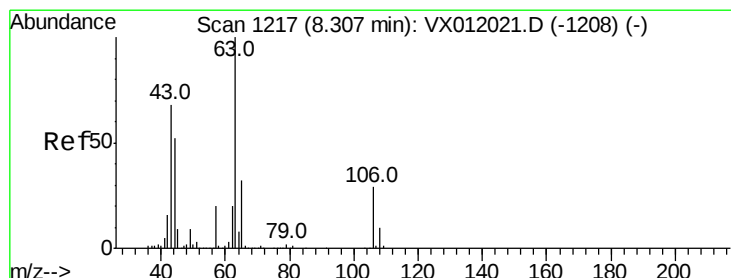
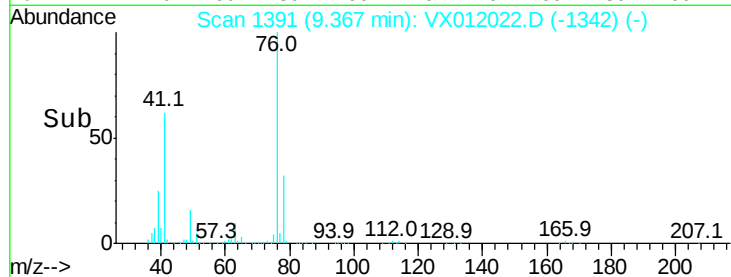
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 587.658 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012022.D

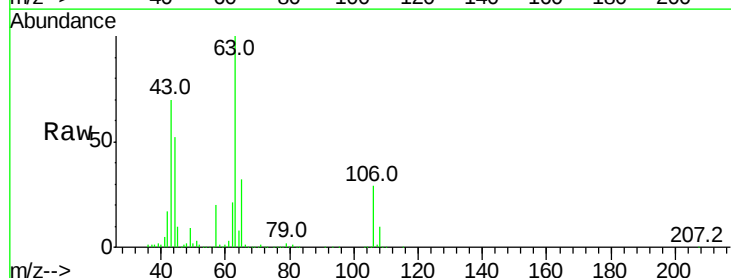
Acq: 03 Sep 2019 14:34

Tgt Ion: 63 Resp: 455447

Ion Ratio Lower Upper

63 100

106 29.4 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

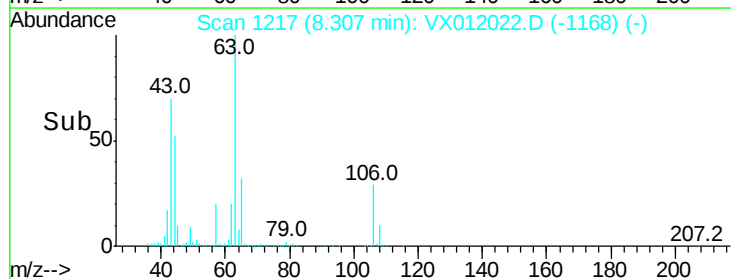
300000

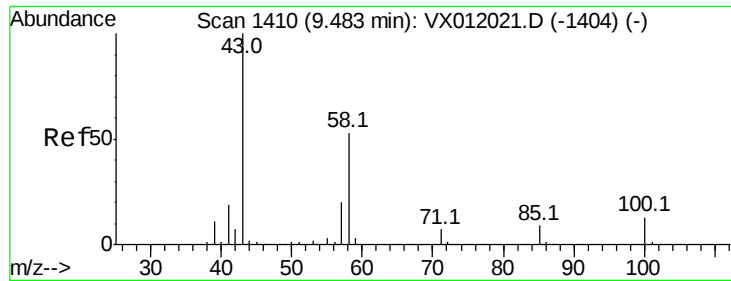
200000

100000

0

Time-->

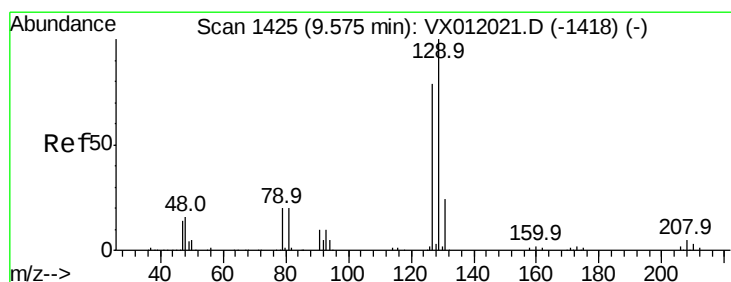
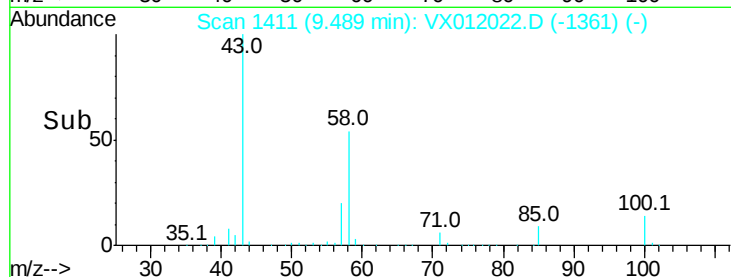
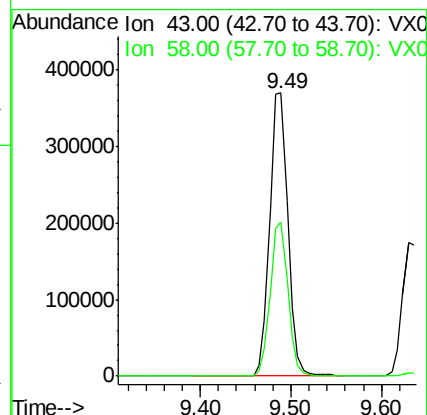
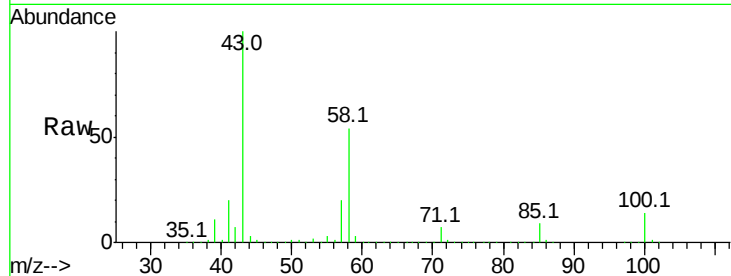




#59
2-Hexanone
Concen: 690.128 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

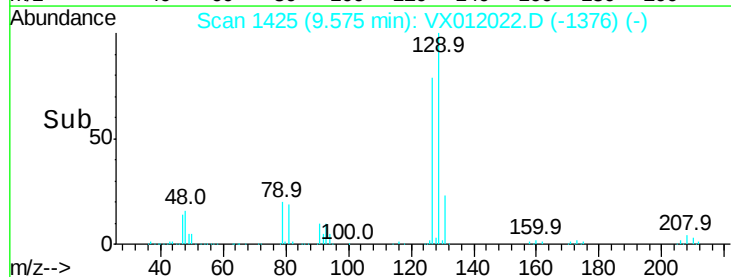
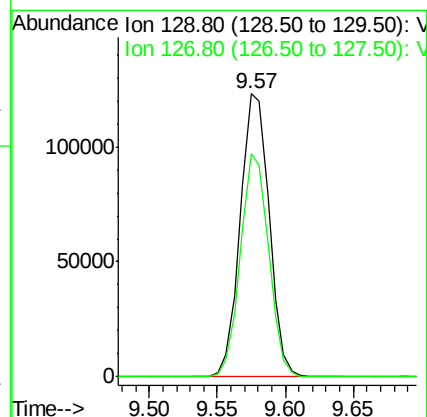
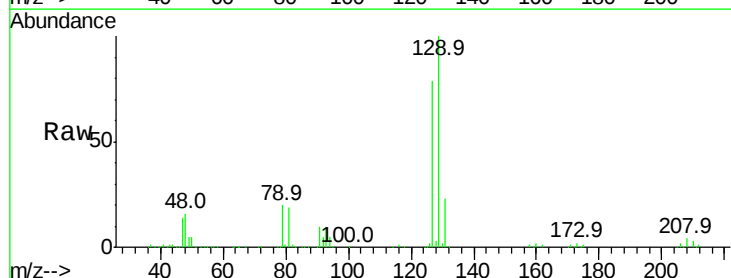
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

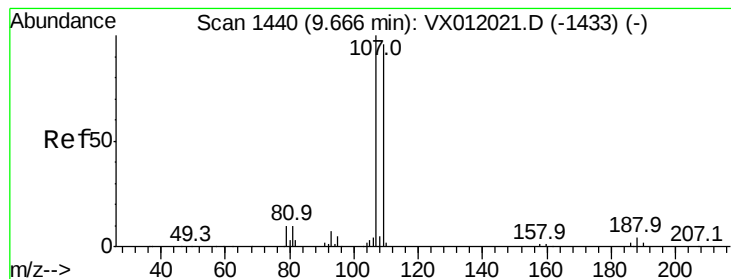
Tgt Ion: 43 Resp: 515922
Ion Ratio Lower Upper
43 100
58 53.5 27.2 81.6



#60
Dibromochloromethane
Concen: 102.297 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 129 Resp: 182626
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 115.531 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

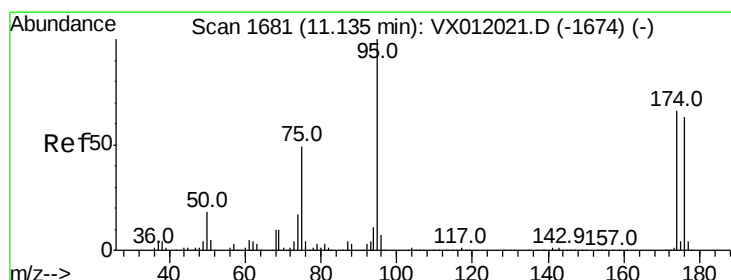
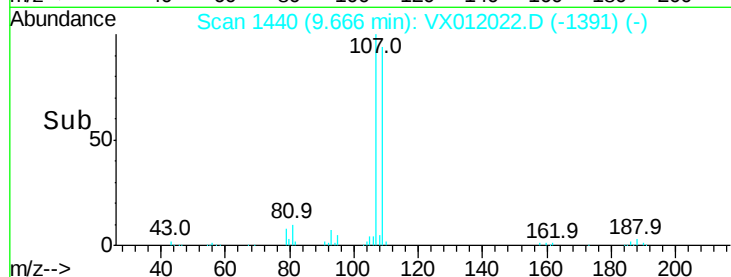
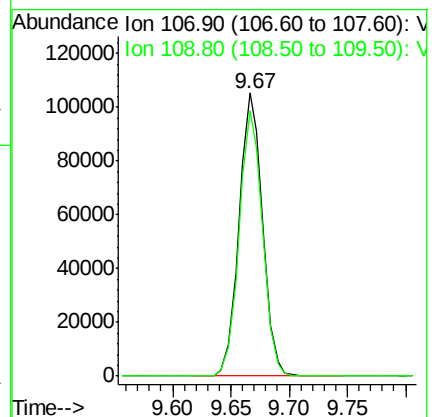
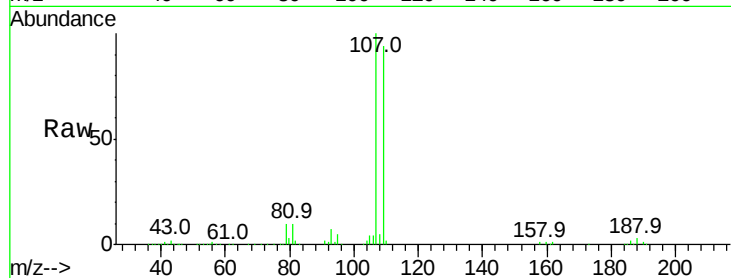
VSTDIC100

Tgt Ion: 107 Resp: 147782

Ion Ratio Lower Upper

107 100

109 93.5 76.9 115.3



#62

4-Bromofluorobenzene

Concen: 97.278 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

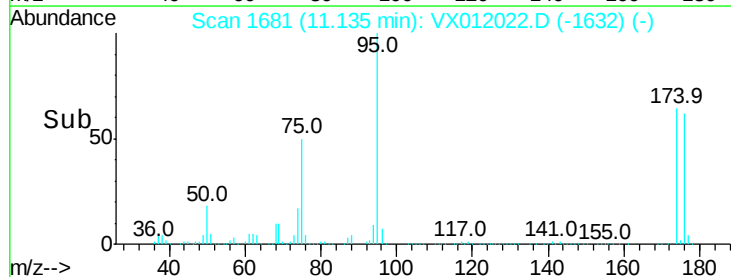
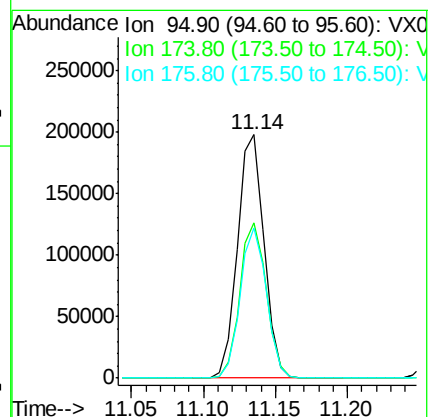
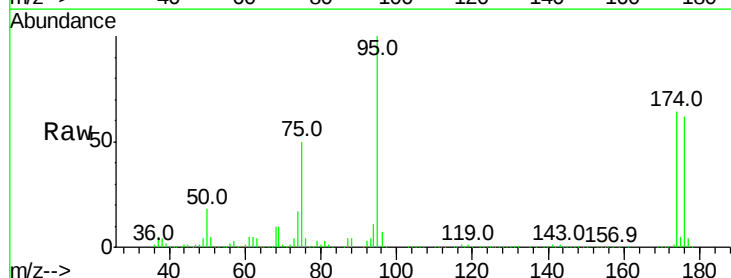
Tgt Ion: 95 Resp: 256405

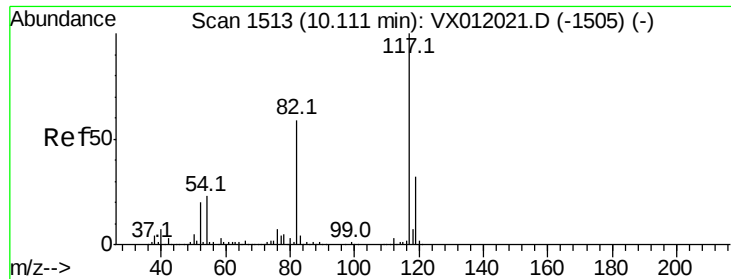
Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

176 60.9 0.0 201.8

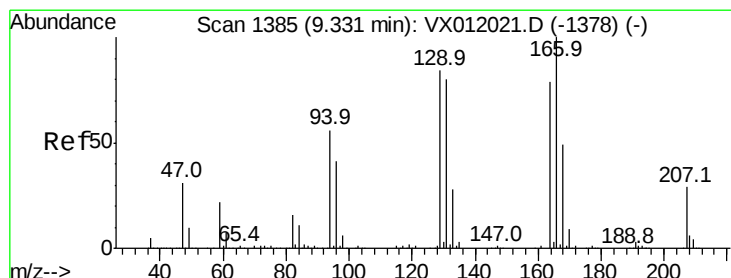
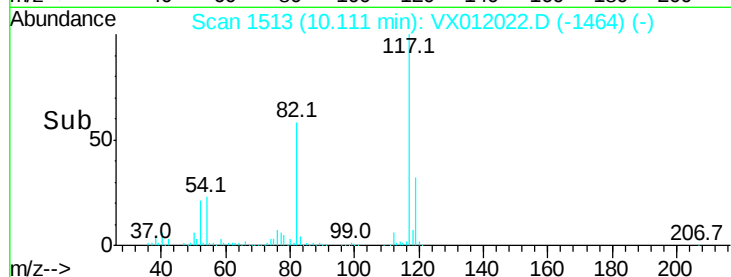
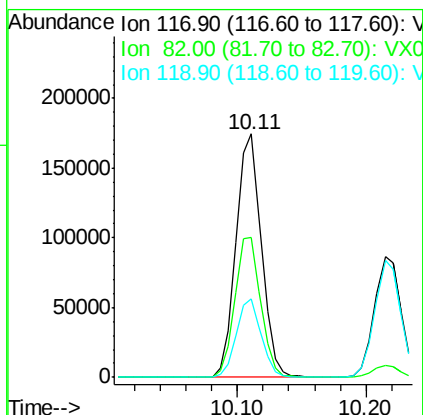
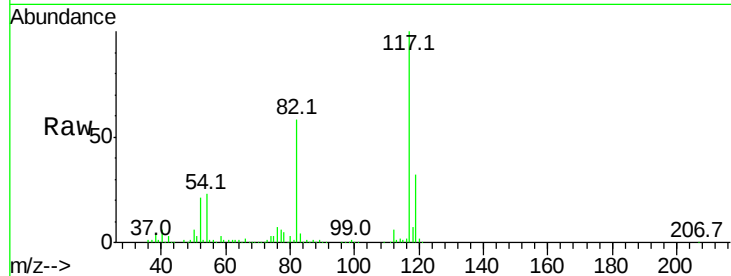




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

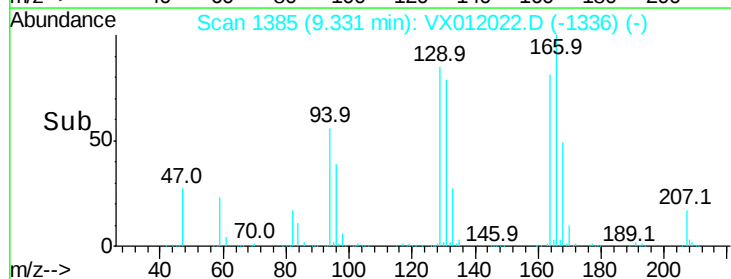
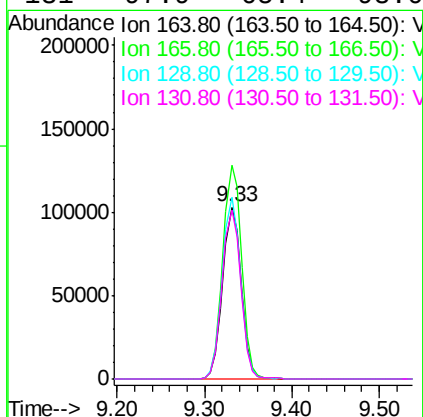
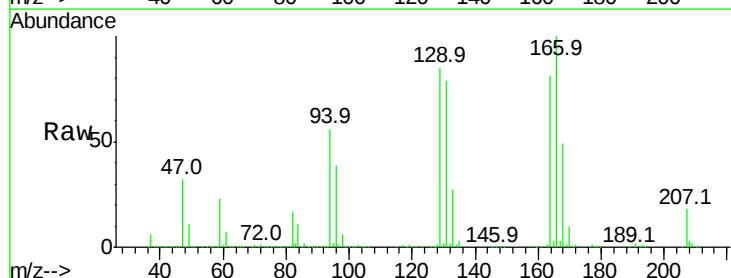
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

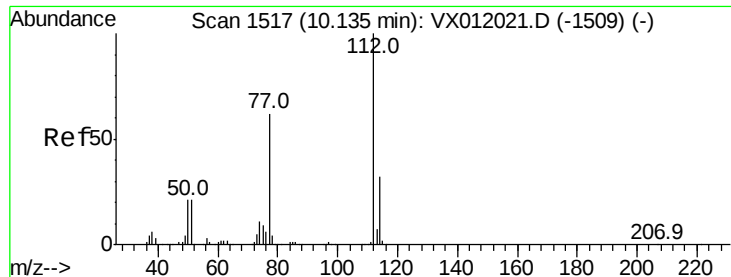
Tgt Ion:117 Resp: 239695
Ion Ratio Lower Upper
117 100
82 57.6 39.4 59.0
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 77.235 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion:164 Resp: 152362
Ion Ratio Lower Upper
164 100
166 124.1 104.3 156.5
129 105.6 68.3 102.5#
131 97.9 65.4 98.0





#65

Chlorobenzene

Concen: 106.707 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

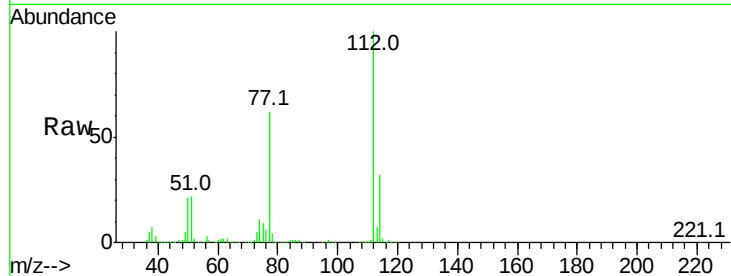
VSTDIC100

Tgt Ion:112 Resp: 482821

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

400000

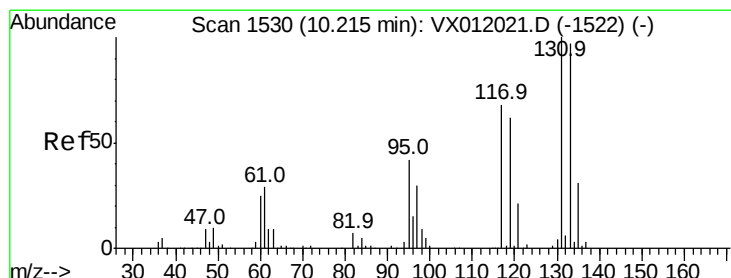
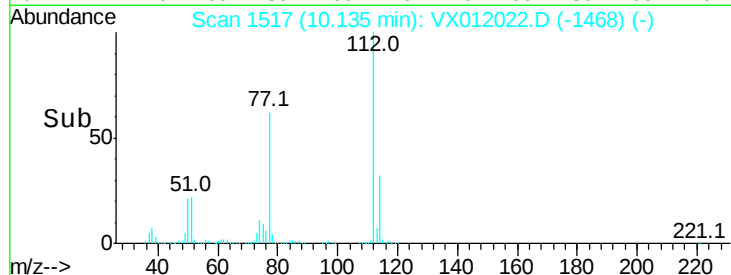
300000

200000

100000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 100.199 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

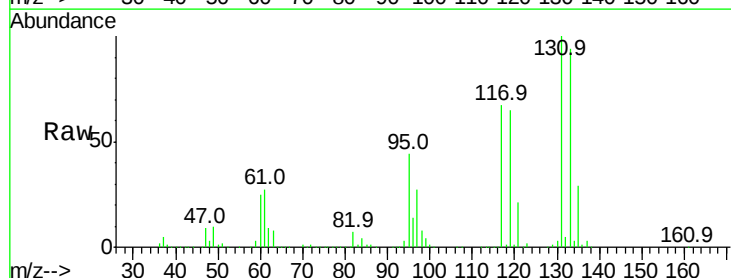
Tgt Ion:131 Resp: 181940

Ion Ratio Lower Upper

131 100

133 94.0 48.4 145.0

119 63.5 30.5 91.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

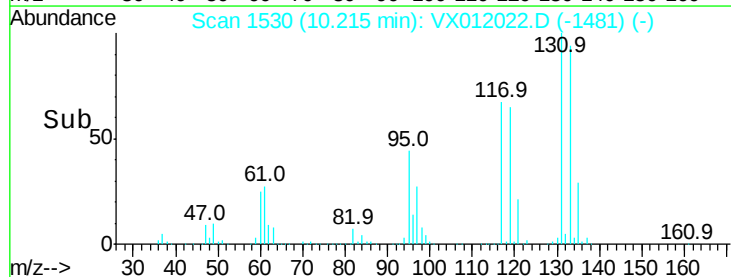
150000

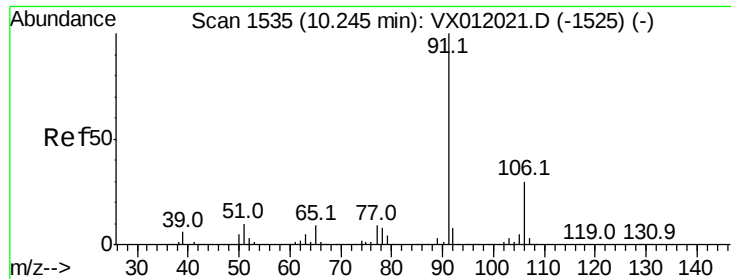
100000

50000

0

Time--> 10.20 10.30





#67

Ethyl Benzene

Concen: 115.348 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

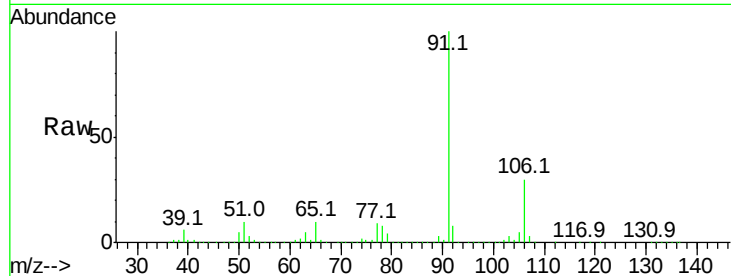
VSTDIC100

Tgt Ion: 91 Resp: 881751

Ion Ratio Lower Upper

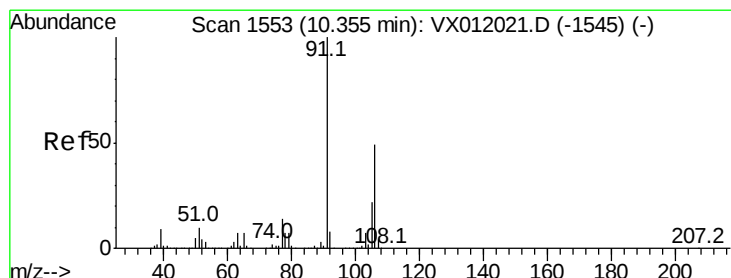
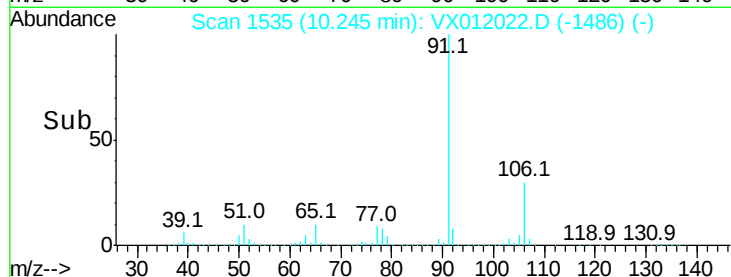
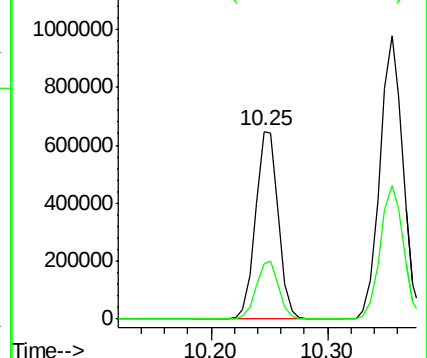
91 100

106 29.9 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 213.461 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012022.D

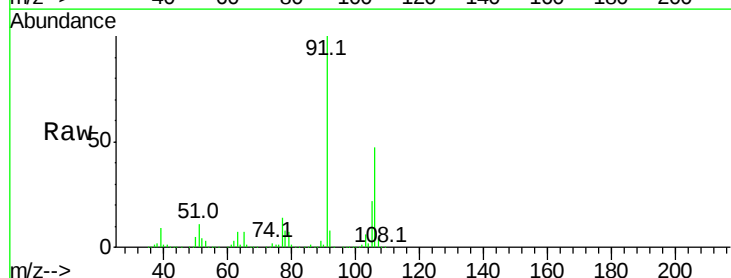
Acq: 03 Sep 2019 14:34

Tgt Ion: 106 Resp: 640744

Ion Ratio Lower Upper

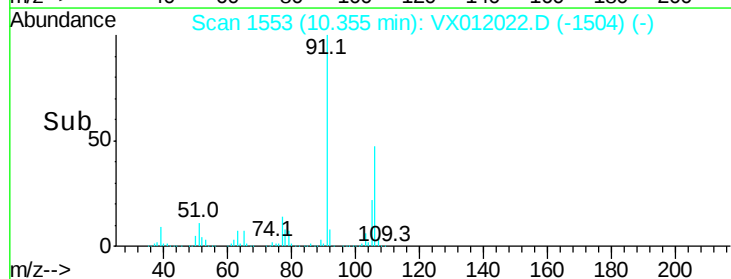
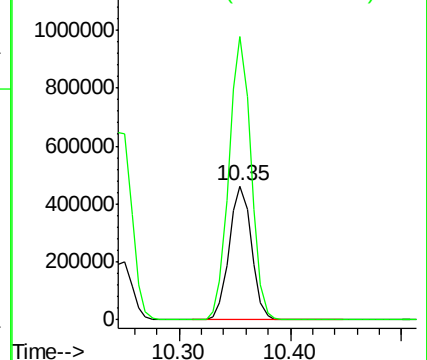
106 100

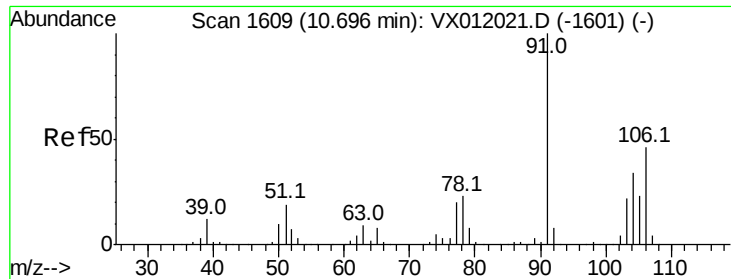
91 209.1 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

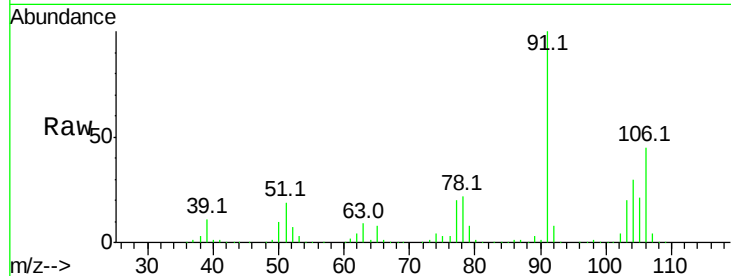




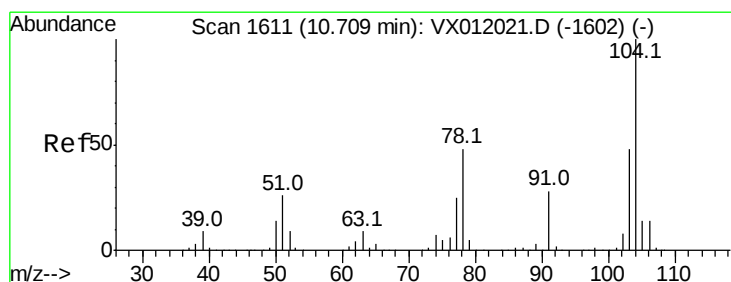
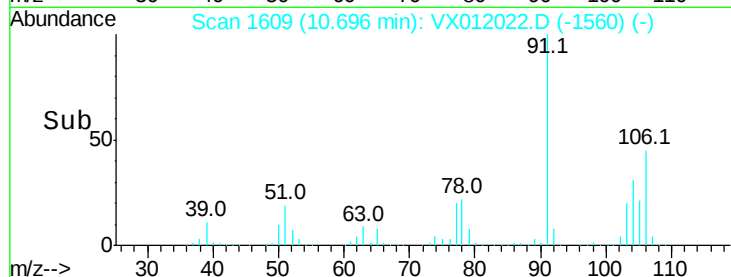
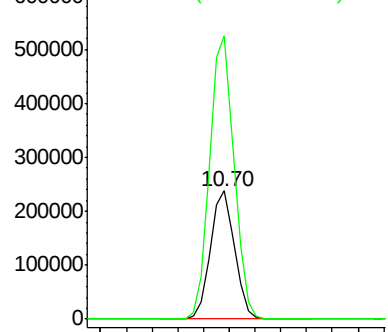
#69
o-Xylene
Concen: 106.542 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 310227
Ion Ratio Lower Upper
106 100
91 222.5 103.5 310.3

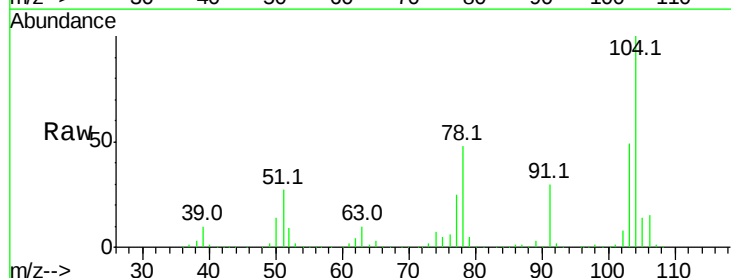


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

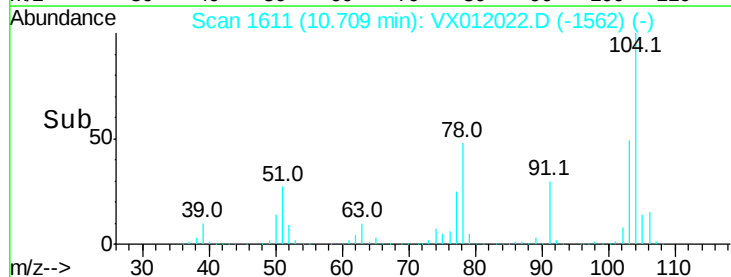
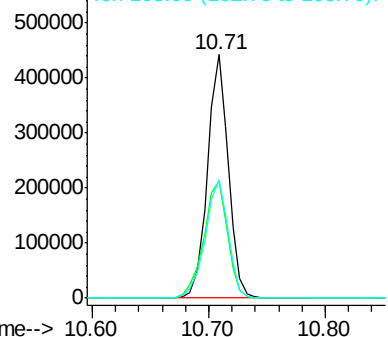


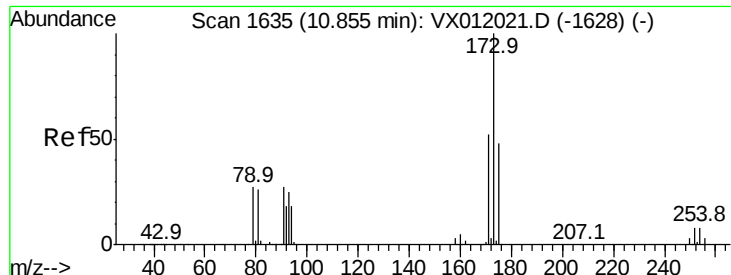
#70
Styrene
Concen: 110.015 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion:104 Resp: 549625
Ion Ratio Lower Upper
104 100
78 55.0 39.1 58.7
103 53.7 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 82.174 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

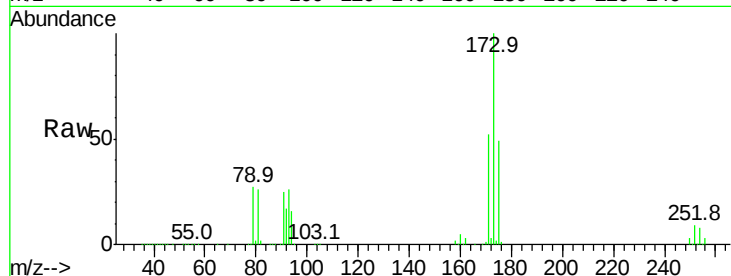
Tgt Ion:173 Resp: 103528

Ion Ratio Lower Upper

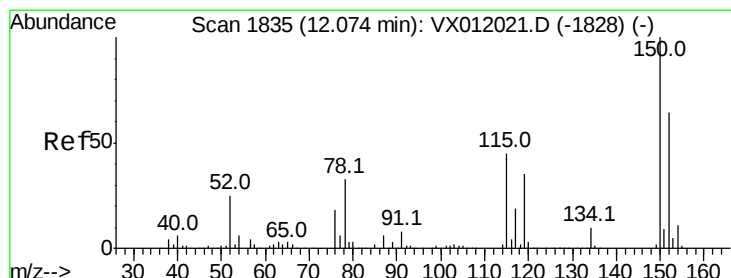
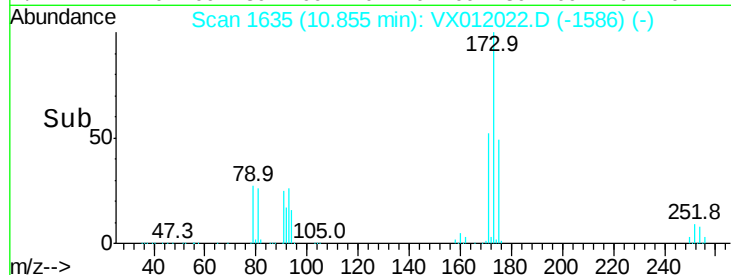
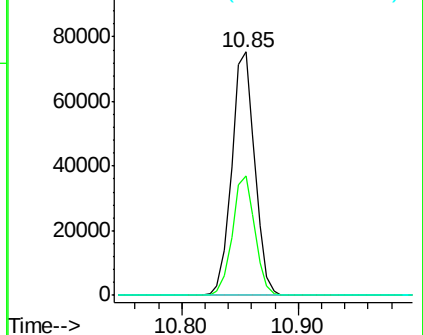
173 100

175 47.8 24.9 74.7

254 0.1 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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

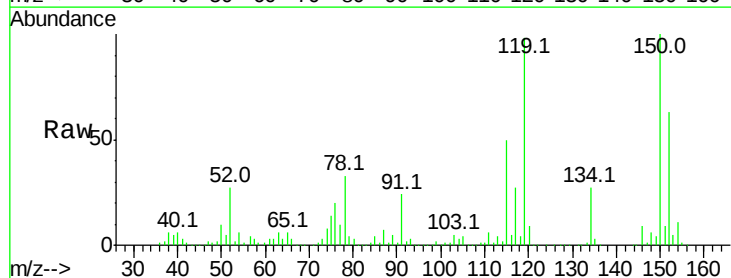
Tgt Ion:152 Resp: 112025

Ion Ratio Lower Upper

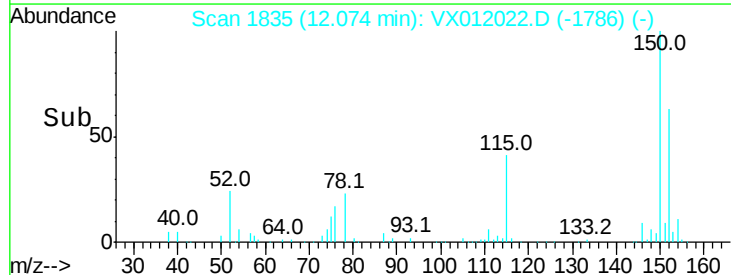
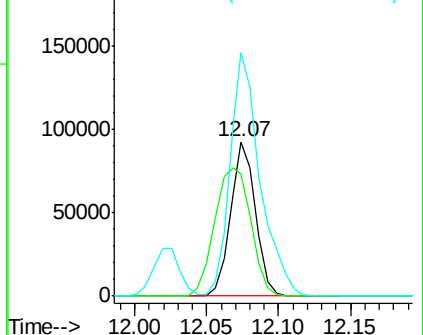
152 100

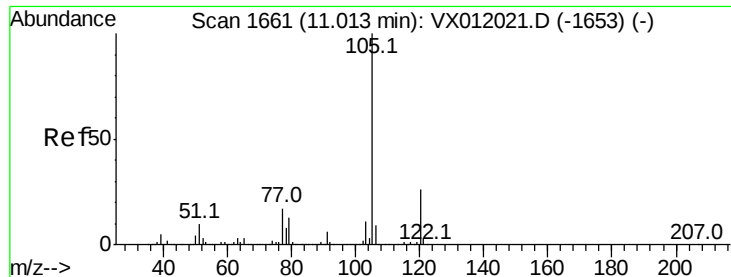
115 120.6 36.4 109.3#

150 190.1 0.0 341.2



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: 135.796 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

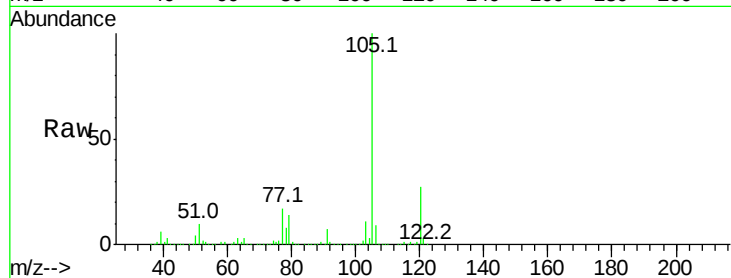
VSTDIC100

Tgt Ion:105 Resp: 848920

Ion Ratio Lower Upper

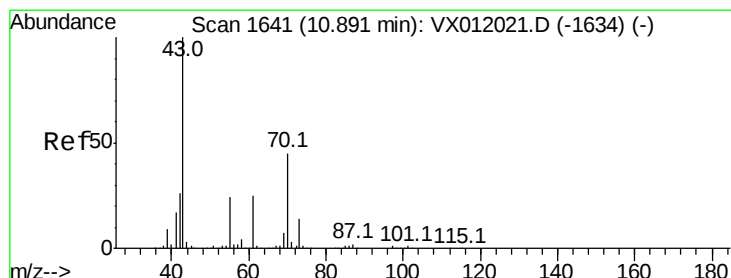
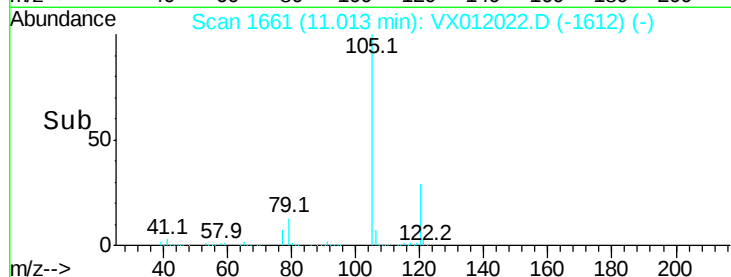
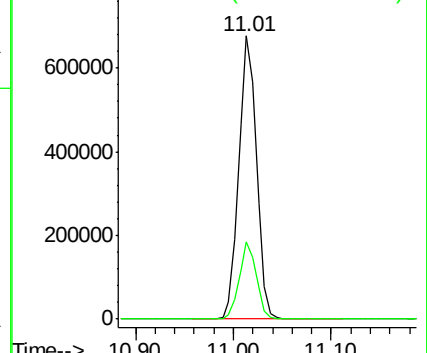
105 100

120 26.3 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 170.809 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion: 43 Resp: 266262

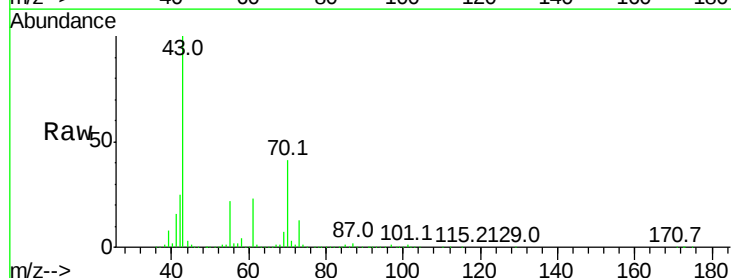
Ion Ratio Lower Upper

43 100

70 42.5 34.4 51.6

55 22.8 18.5 27.7

61 23.7 19.5 29.3

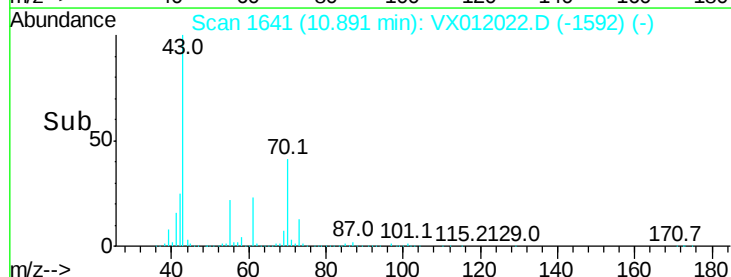
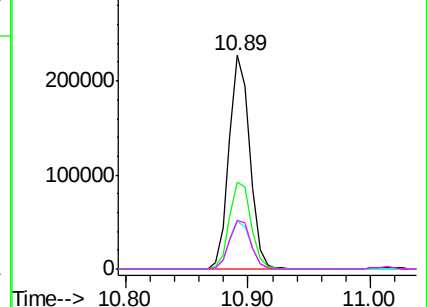


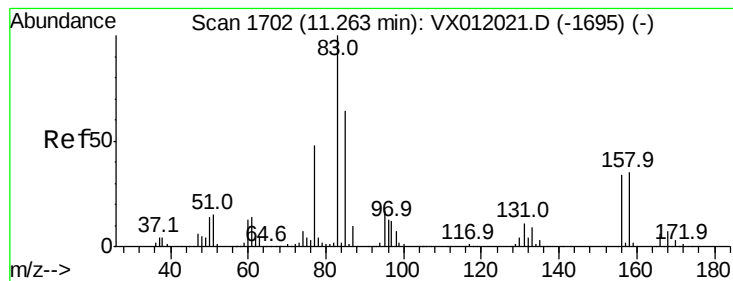
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 160.574 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

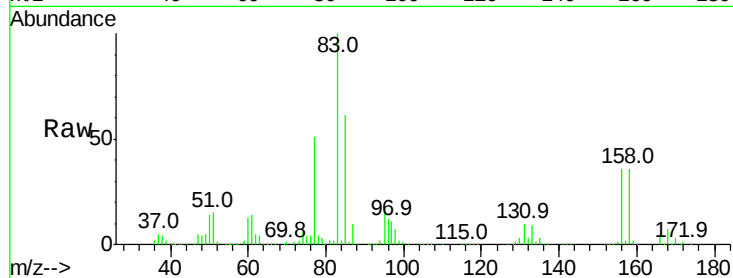
Tgt Ion: 83 Resp: 183772

Ion Ratio Lower Upper

83 100

131 10.3 6.3 19.1

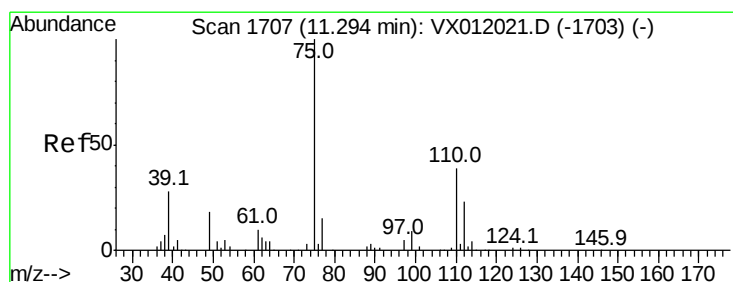
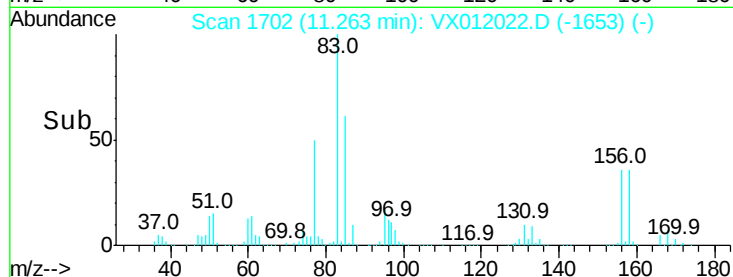
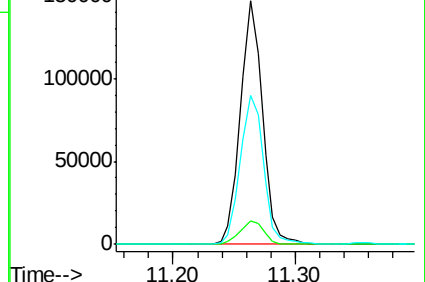
85 64.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 235.659 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012022.D

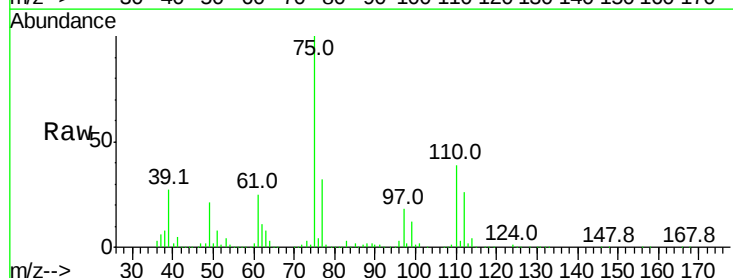
Acq: 03 Sep 2019 14:34

Tgt Ion: 75 Resp: 208975

Ion Ratio Lower Upper

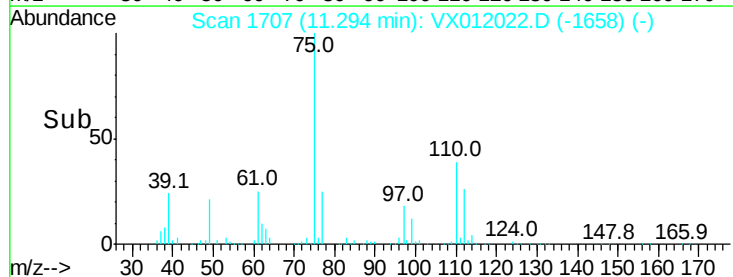
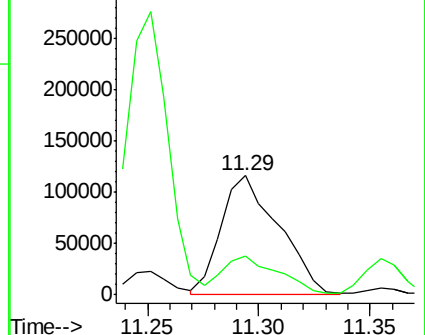
75 100

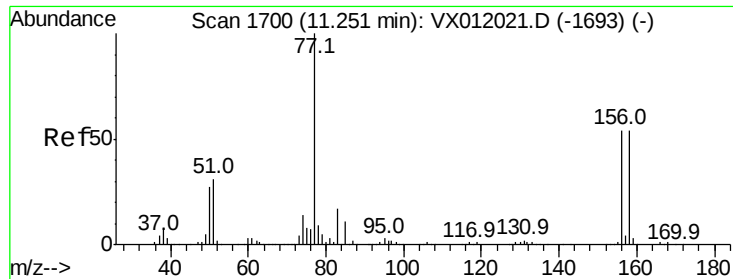
77 31.6 23.5 70.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 105.463 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

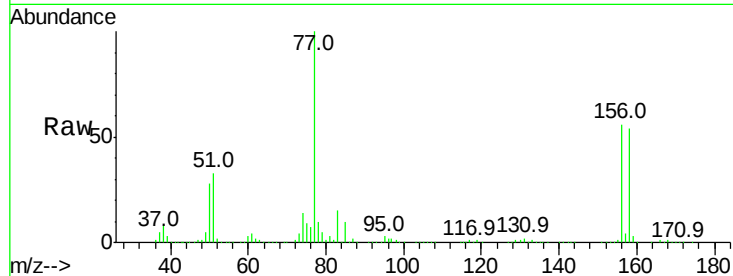
Tgt Ion:156 Resp: 192769

Ion Ratio Lower Upper

156 100

77 187.5 63.4 190.2

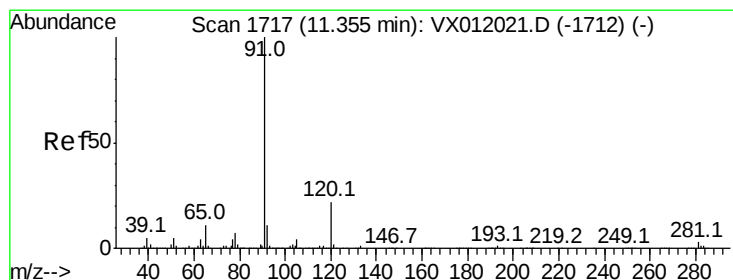
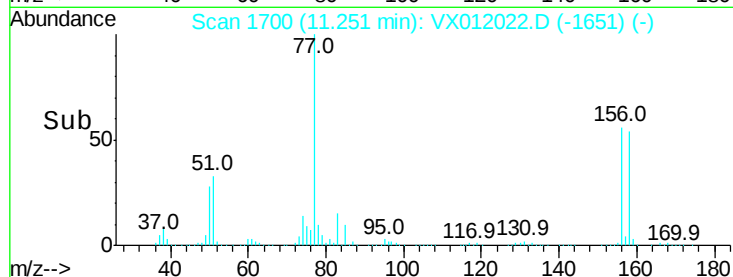
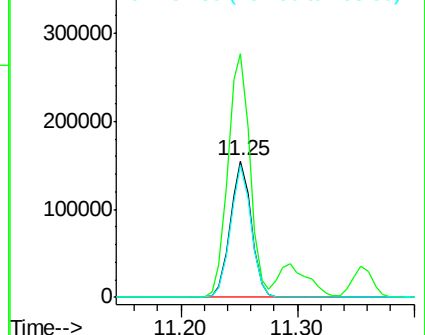
158 95.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.078 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012022.D

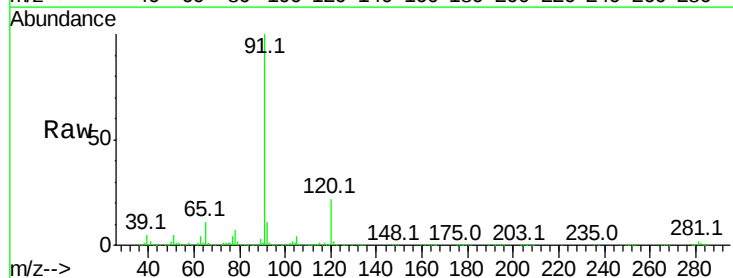
Acq: 03 Sep 2019 14:34

Tgt Ion: 91 Resp: 1041702

Ion Ratio Lower Upper

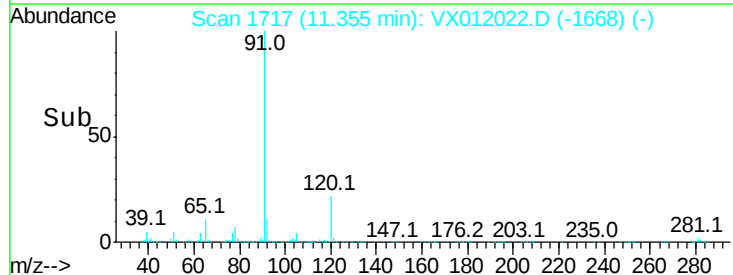
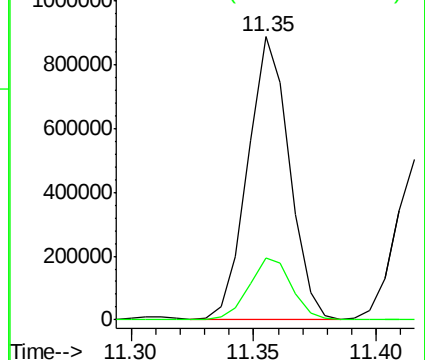
91 100

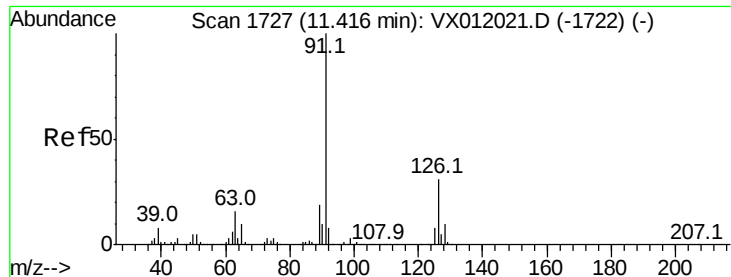
120 22.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

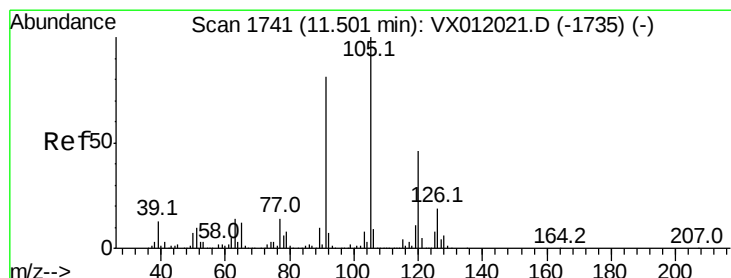
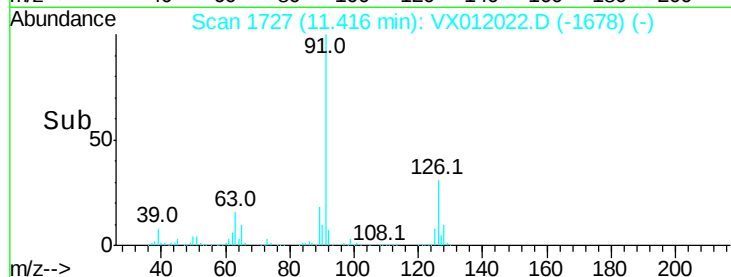
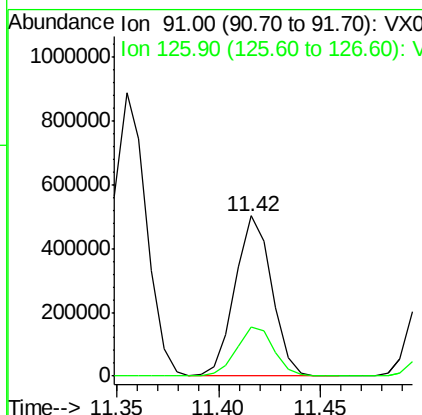
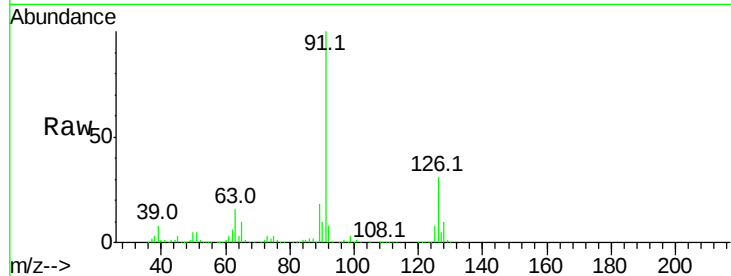




#79
 2-Chlorotoluene
 Concen: 149.852 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

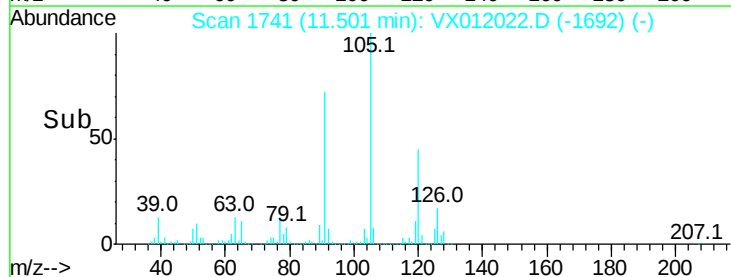
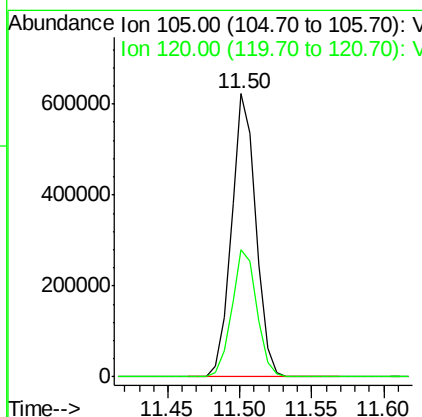
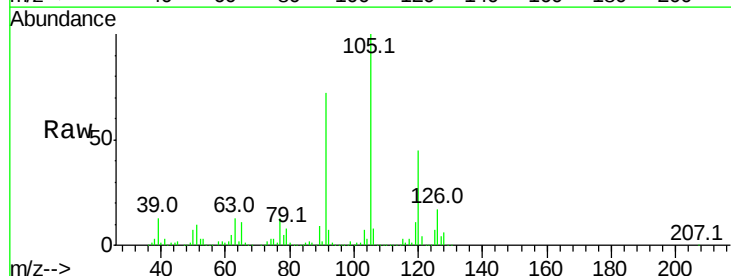
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

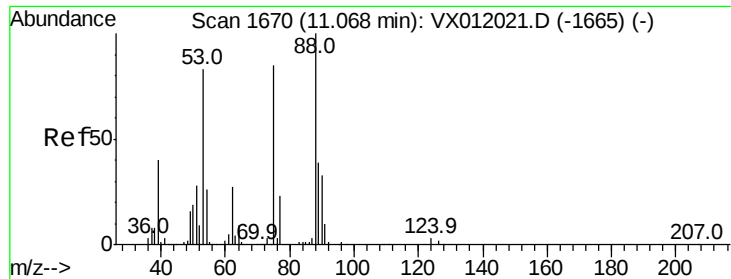
Tgt Ion: 91 Resp: 624097
 Ion Ratio Lower Upper
 91 100
 126 31.4 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 136.746 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 105 Resp: 737430
 Ion Ratio Lower Upper
 105 100
 120 46.4 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 166.945 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

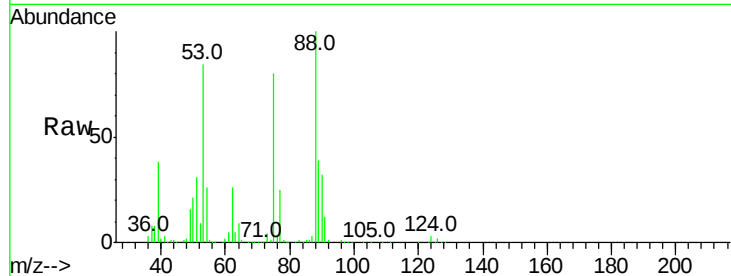
Tgt Ion: 75 Resp: 62755

Ion Ratio Lower Upper

75 100

53 102.6 78.6 117.8

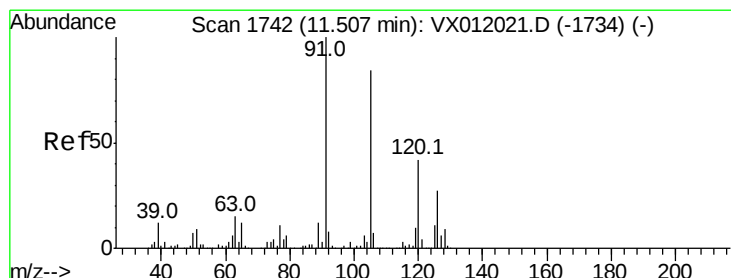
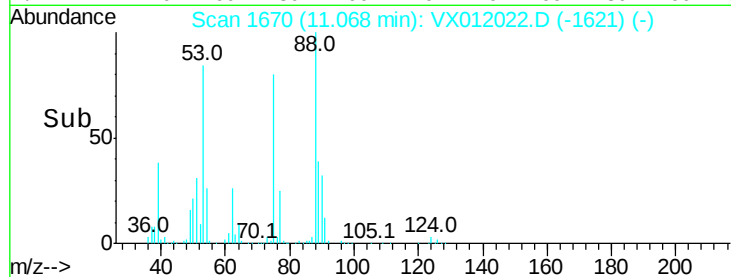
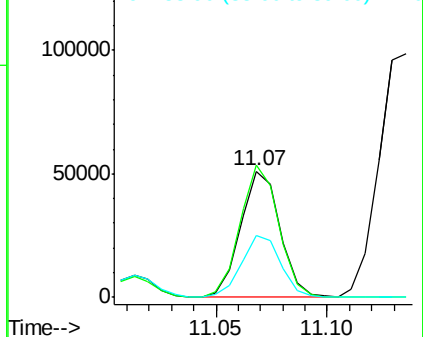
89 49.0 38.8 58.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 144.981 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012022.D

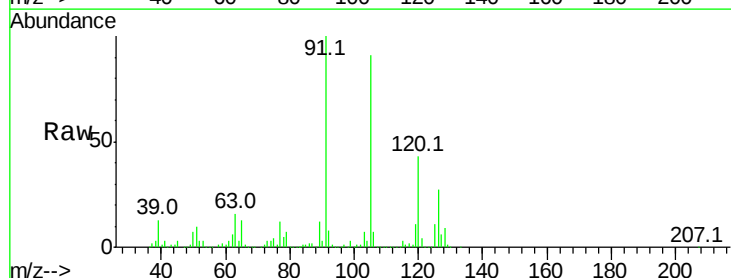
Acq: 03 Sep 2019 14:34

Tgt Ion: 91 Resp: 724529

Ion Ratio Lower Upper

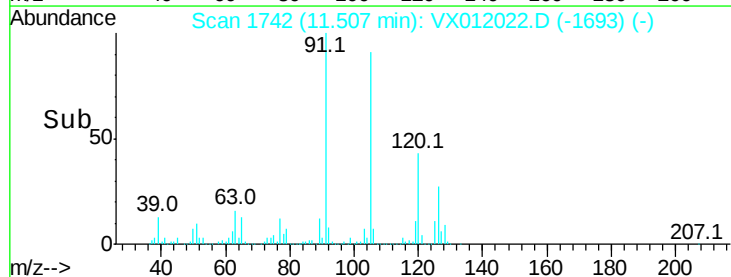
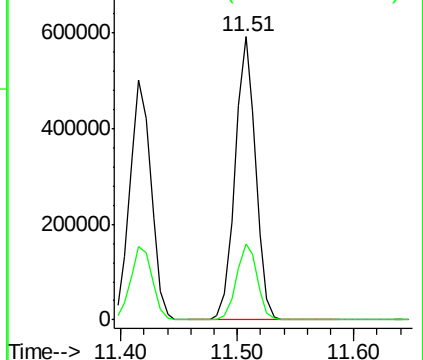
91 100

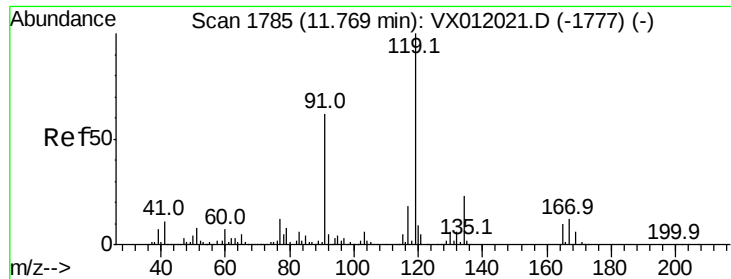
126 27.3 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

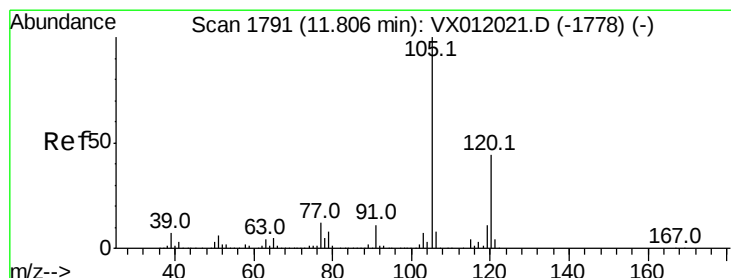
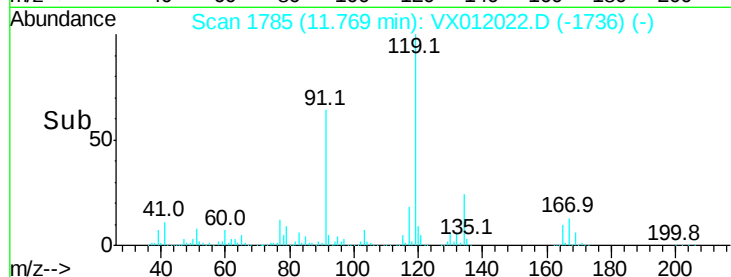
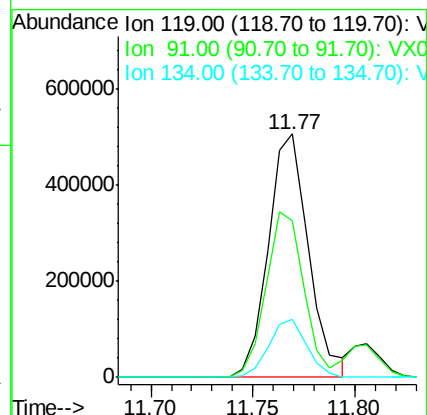
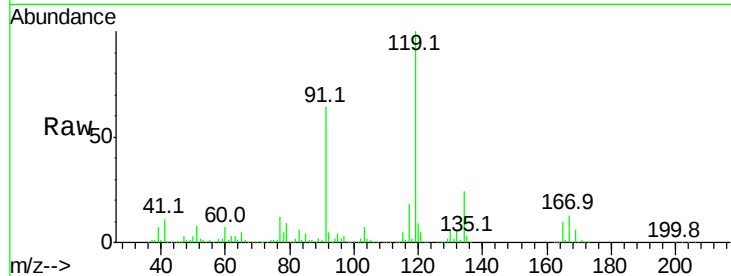




#83
tert-Butylbenzene
Concen: 124.722 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

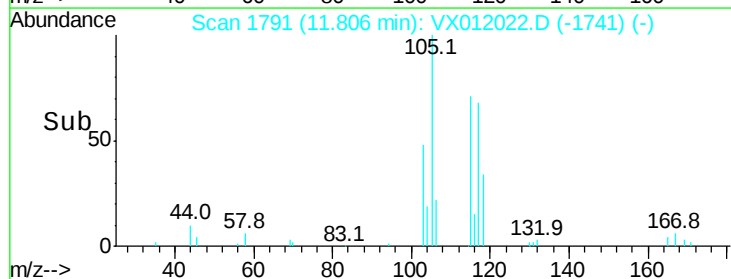
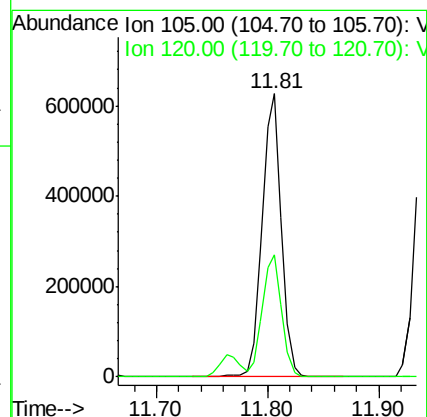
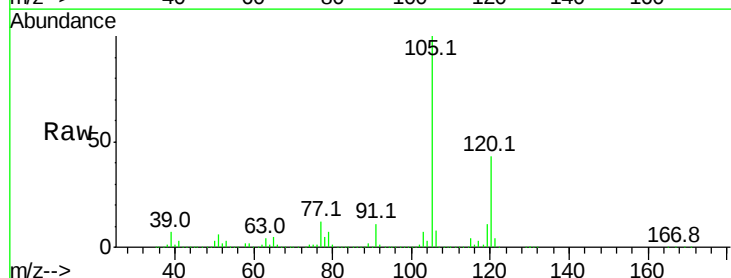
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

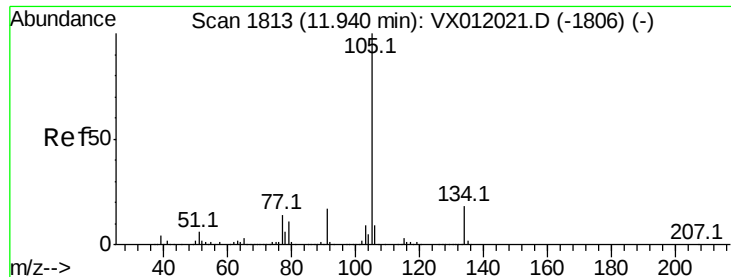
Tgt Ion:119 Resp: 695214
Ion Ratio Lower Upper
119 100
91 64.1 27.1 81.2
134 22.6 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 137.690 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion:105 Resp: 752491
Ion Ratio Lower Upper
105 100
120 43.4 23.6 70.8





#85

sec-Butylbenzene

Concen: 134.187 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

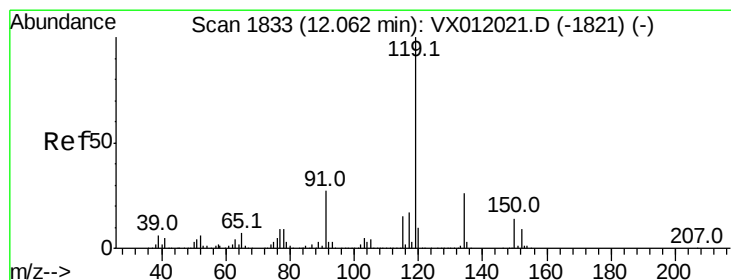
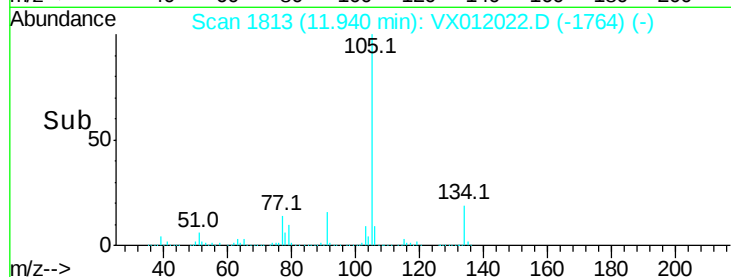
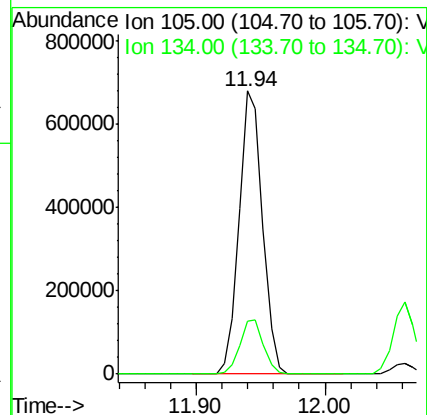
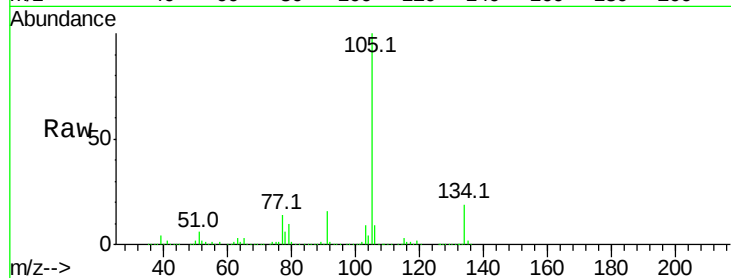
VSTDIC100

Tgt Ion:105 Resp: 859162

Ion Ratio Lower Upper

105 100

134 19.3 11.2 33.6



#86

p-Isopropyltoluene

Concen: 124.682 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

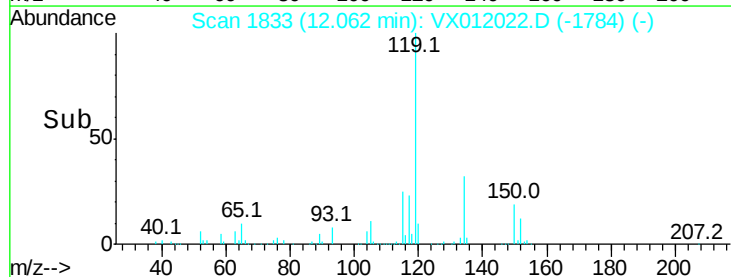
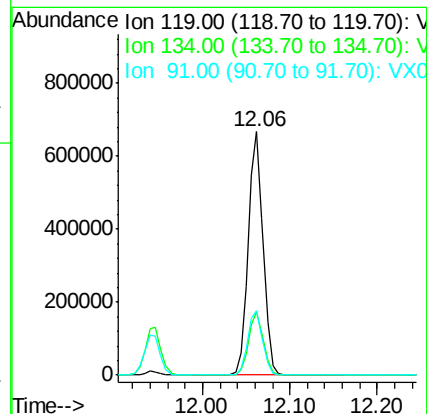
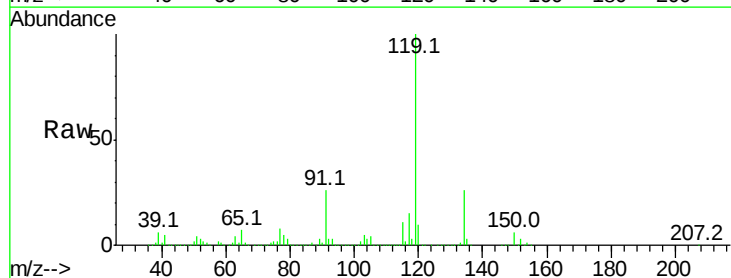
Tgt Ion:119 Resp: 781606

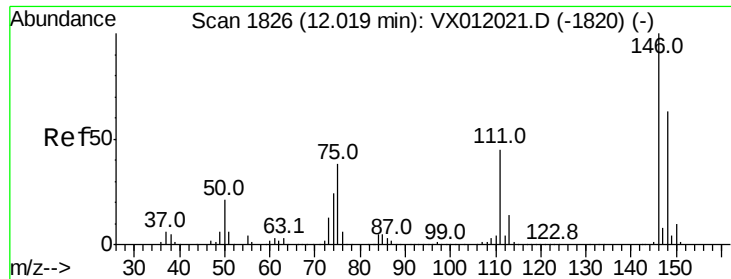
Ion Ratio Lower Upper

119 100

134 25.8 13.7 41.1

91 26.6 11.4 34.1

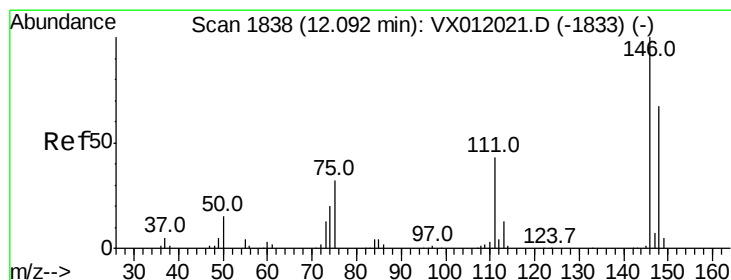
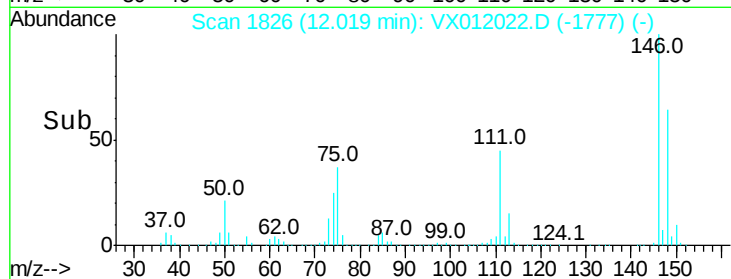
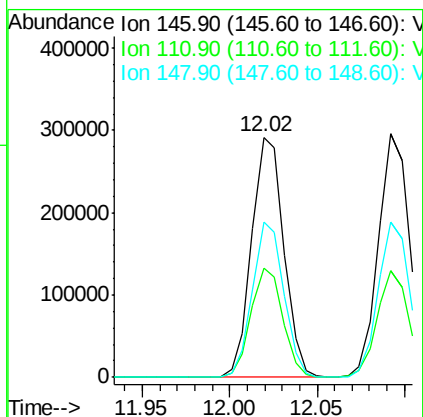
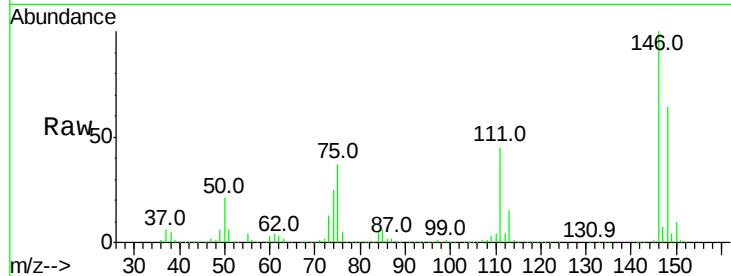




#87
 1,3-Dichlorobenzene
 Concen: 109.038 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

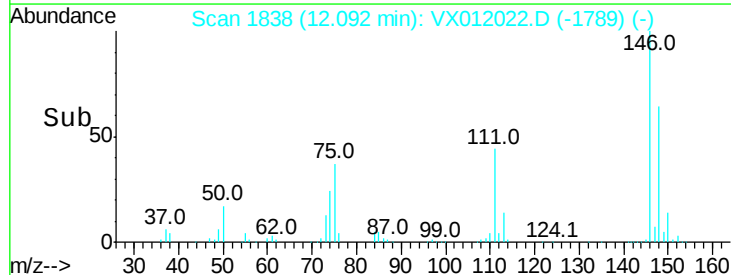
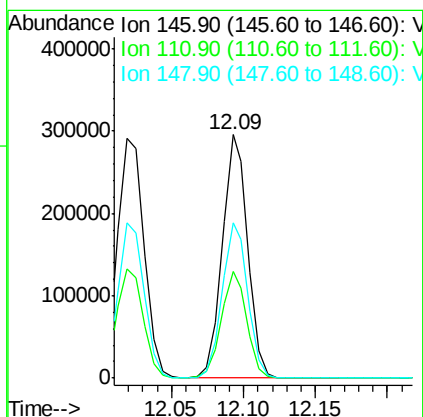
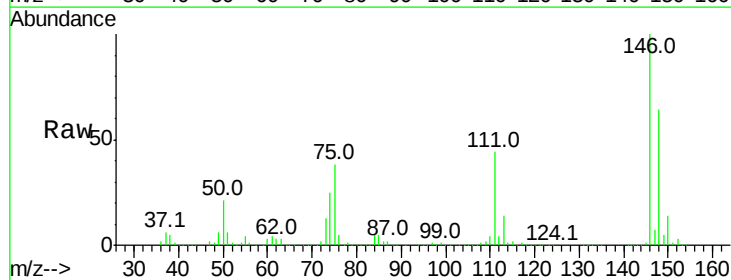
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

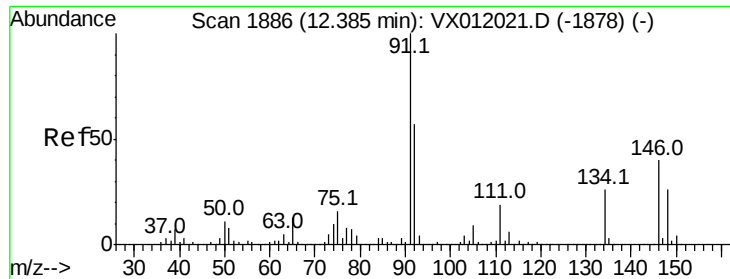
Tgt Ion:146 Resp: 373779
 Ion Ratio Lower Upper
 146 100
 111 45.2 18.1 54.1
 148 63.1 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 107.333 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion:146 Resp: 365561
 Ion Ratio Lower Upper
 146 100
 111 43.9 17.7 53.1
 148 64.6 32.4 97.0

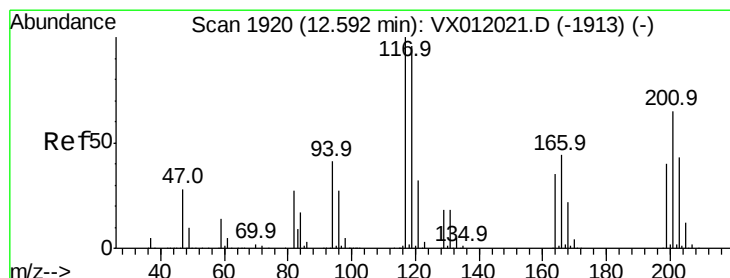
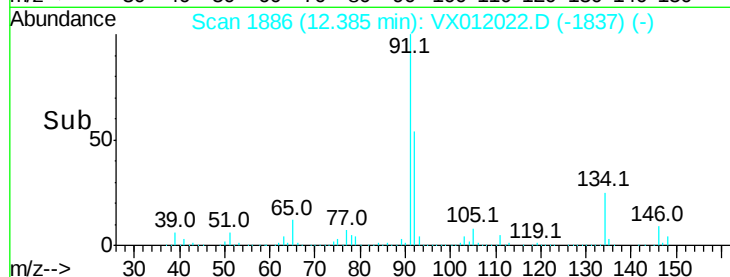
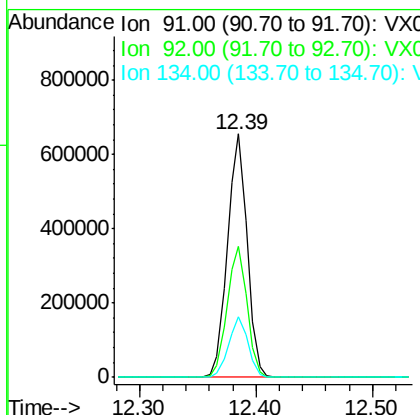
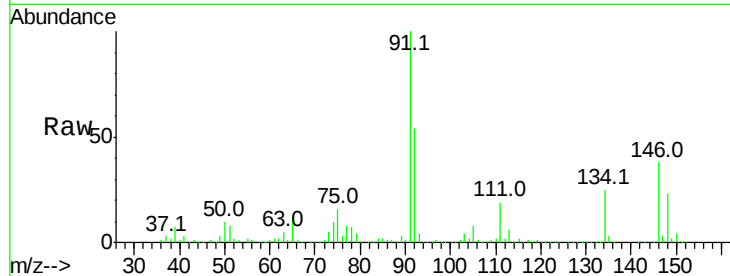




#89
n-Butylbenzene
Concen: 140.586 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

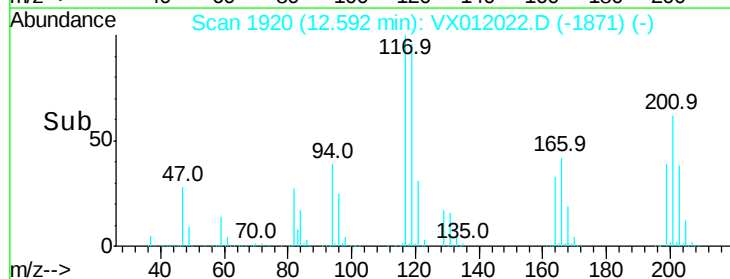
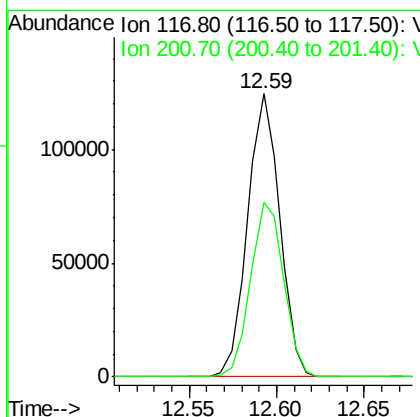
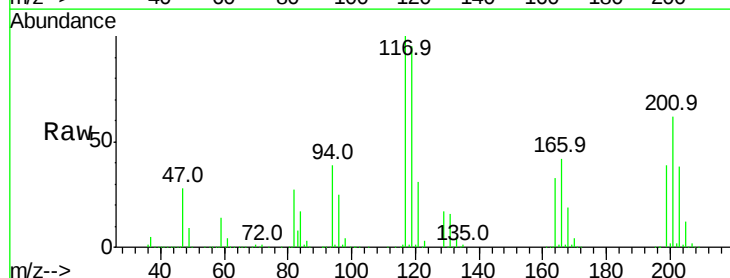
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

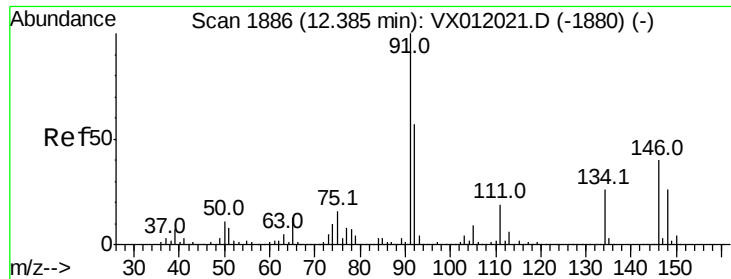
Tgt Ion: 91 Resp: 763242
Ion Ratio Lower Upper
91 100
92 54.6 27.6 82.8
134 24.7 15.4 46.1



#90
Hexachloroethane
Concen: 135.260 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 117 Resp: 159191
Ion Ratio Lower Upper
117 100
201 63.6 55.0 165.2

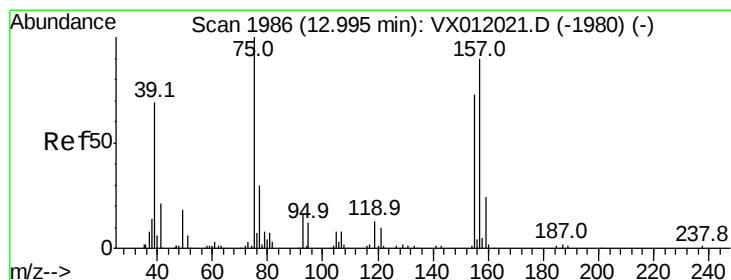
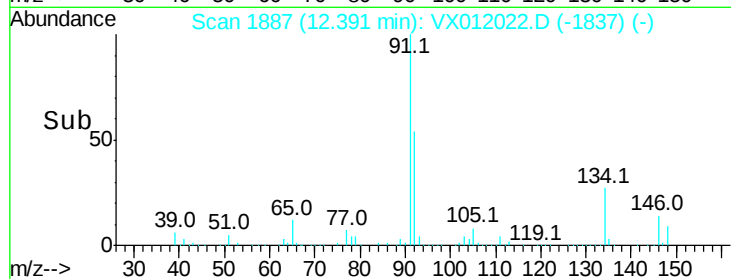
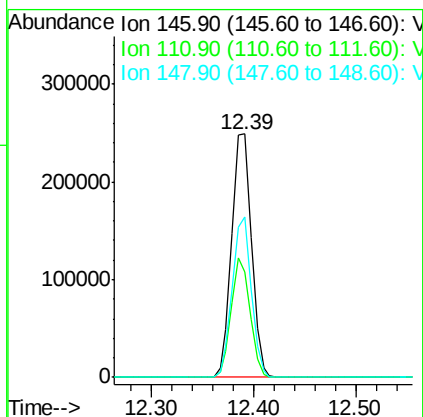
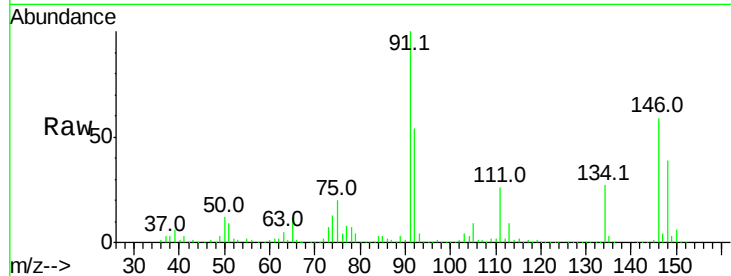




#91
 1,2-Dichlorobenzene
 Concen: 107.486 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

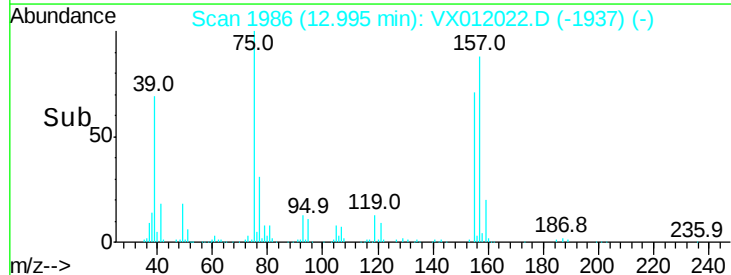
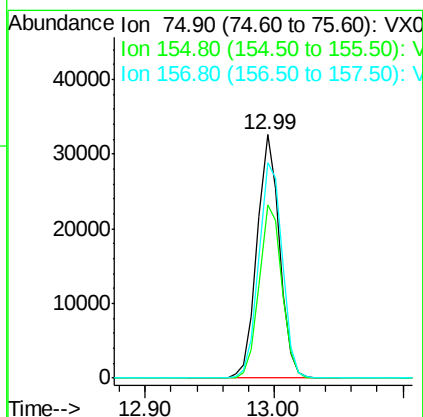
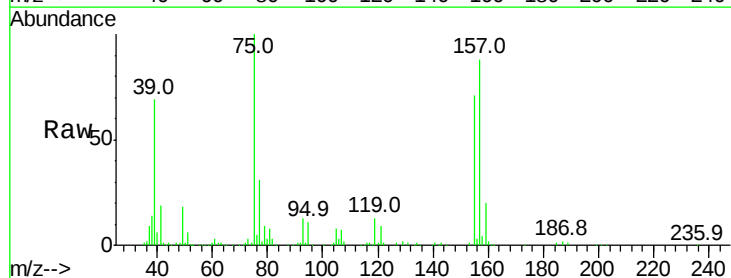
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

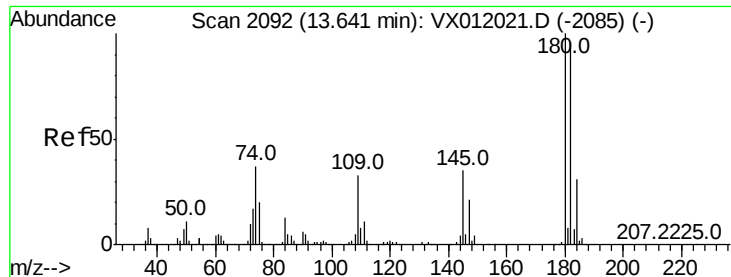
Tgt Ion:146 Resp: 332641
 Ion Ratio Lower Upper
 146 100
 111 46.4 18.6 56.0
 148 63.2 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 172.807 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 75 Resp: 38831
 Ion Ratio Lower Upper
 75 100
 155 72.3 51.7 155.2
 157 92.8 66.9 200.7

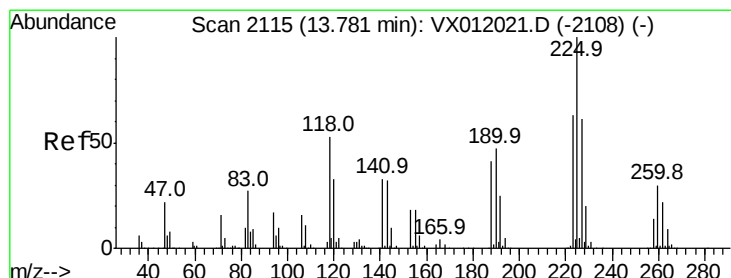
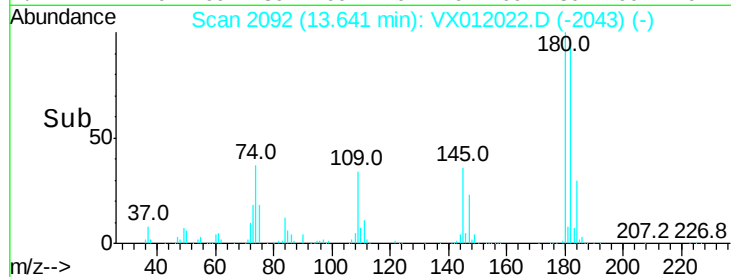
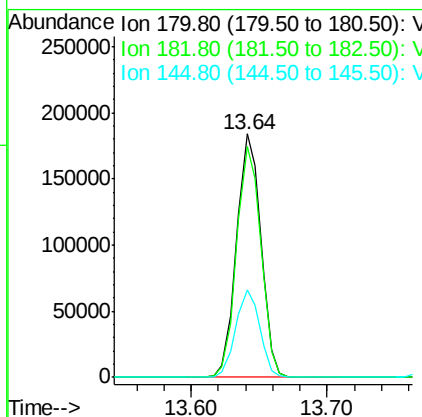
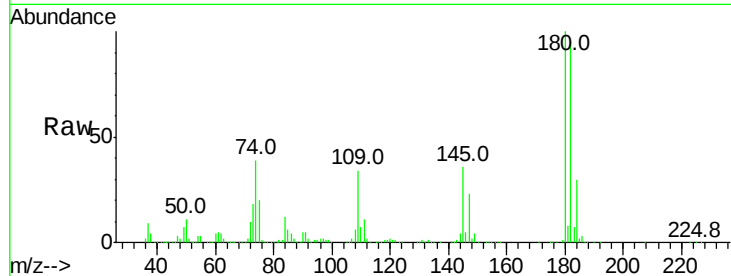




#93
 1,2,4-Trichlorobenzene
 Concen: 85.091 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

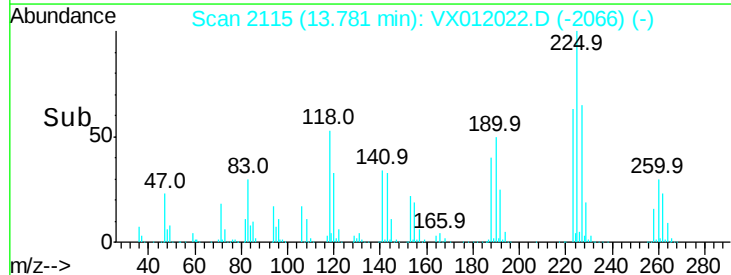
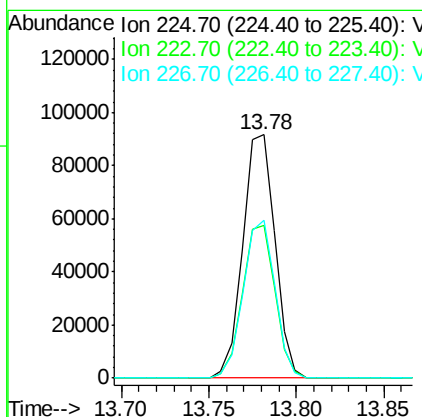
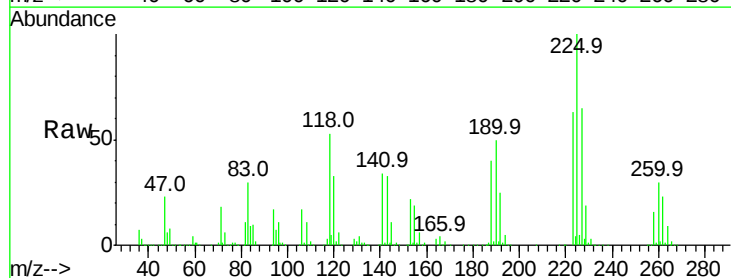
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

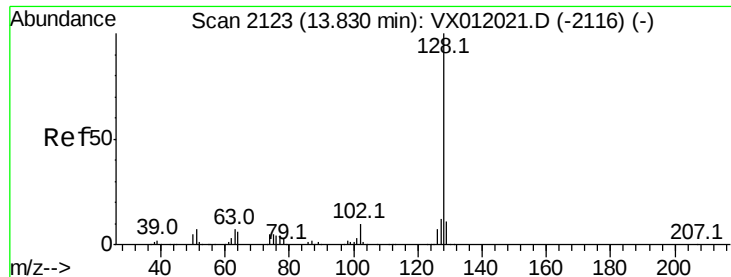
Tgt Ion:180 Resp: 229127
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 142.0
 145 35.6 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 62.562 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion:225 Resp: 117699
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 95.0
 227 63.8 32.5 97.5

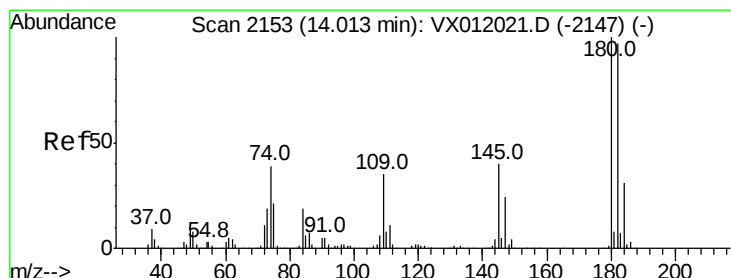
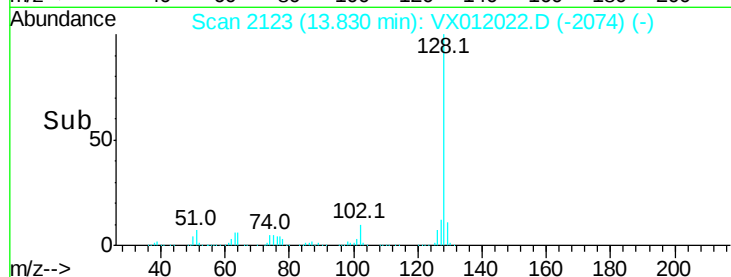
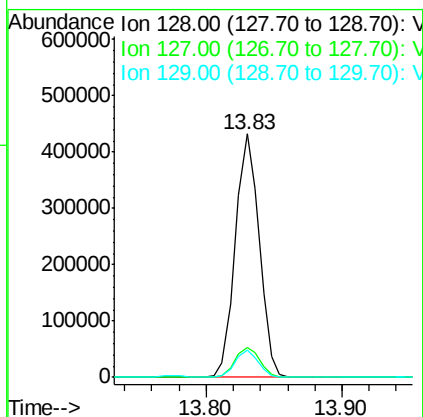
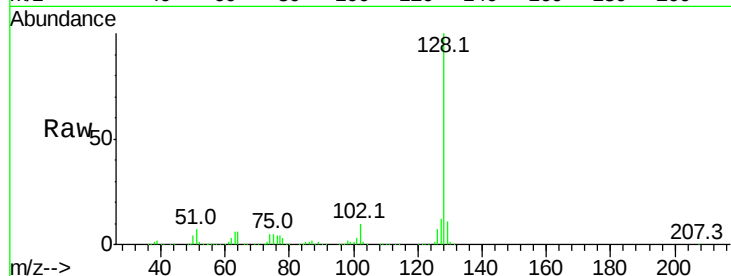




#95
Naphthalene
Concen: 127.676 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 528628
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 85.370 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion:180 Resp: 202127
Ion Ratio Lower Upper
180 100
182 93.0 47.9 143.6
145 37.3 14.1 42.4

