

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011870.D
 Acq On : 28 Aug 2019 11:35
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 28 12:37:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 12:26:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	365139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	507848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	451888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	63145	17.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.20%	
35) Dibromofluoromethane	5.49	113	63951	21.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.78%	
50) Toluene-d8	8.71	98	213435	17.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.24%	
62) 4-Bromofluorobenzene	11.13	95	97319	21.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	50521	16.393	ug/l 97
3) Chloromethane	1.32	50	58586	15.122	ug/l 100
4) Vinyl Chloride	1.40	62	54954	13.187	ug/l 98
5) Bromomethane	1.63	94	29502	11.761	ug/l 99
6) Chloroethane	1.71	64	41034	14.891	ug/l 100
7) Trichlorofluoromethane	1.92	101	90406	16.545	ug/l 99
8) Diethyl Ether	2.18	74	26552	12.857	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58314	16.823	ug/l 99
10) Methyl Iodide	2.50	142	56059	14.066	ug/l 100
11) Tert butyl alcohol	3.04	59	23391	39.117	ug/l 98
12) 1,1-Dichloroethene	2.36	96	57359	17.575	ug/l 96
13) Acrolein	2.29	56	10971	56.077	ug/l 95
14) Allyl chloride	2.71	41	94437	16.323	ug/l 98
15) Acrylonitrile	3.13	53	72635	47.763	ug/l 100
16) Acetone	2.43	43	94319	66.865	ug/l 97
17) Carbon Disulfide	2.56	76	164802	15.520	ug/l 98
18) Methyl Acetate	2.76	43	46374	11.699	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	153277	17.254	ug/l 98
20) Methylene Chloride	2.85	84	66416	15.358	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	61817	17.286	ug/l 99
22) Diisopropyl ether	3.85	45	188902	18.087	ug/l 99
23) Vinyl Acetate	3.81	43	414111	54.976	ug/l 99
24) 1,1-Dichloroethane	3.68	63	108797	17.863	ug/l 99
25) 2-Butanone	4.66	43	93821	45.626	ug/l 99
26) 2,2-Dichloropropane	4.57	77	91538	19.082	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	72395	18.785	ug/l 99
28) Bromochloromethane	5.00	49	48978	17.927	ug/l 100
29) Tetrahydrofuran	5.12	42	59542	45.436	ug/l 98
30) Chloroform	5.20	83	114902	19.145	ug/l 100
31) Cyclohexane	5.57	56	101763	17.297	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	104686	20.295	ug/l 99
36) 1,1-Dichloropropene	5.79	75	85656	18.010	ug/l 99
37) Ethyl Acetate	4.82	43	35842	9.811	ug/l 99
38) Carbon Tetrachloride	5.77	117	84044	19.105	ug/l 100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109222	18.705	ug/l	100
40) Benzene	6.13	78	243585	17.872	ug/l	100
41) Methacrylonitrile	5.03	41	23983	11.646	ug/l	97
42) 1,2-Dichloroethane	6.18	62	77786	18.896	ug/l	98
43) Isopropyl Acetate	6.43	43	70883	12.177	ug/l	99
44) Trichloroethene	7.21	130	83440	21.461	ug/l	97
45) 1,2-Dichloropropane	7.51	63	61305	18.291	ug/l	98
46) Dibromomethane	7.65	93	35306	18.280	ug/l	99
47) Bromodichloromethane	7.89	83	84777	22.026	ug/l	99
48) Methyl methacrylate	7.76	41	35361	12.111	ug/l	99
49) 1,4-Dioxane	7.74	88	7885	133.801	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	146294	40.895	ug/l	100
52) Toluene	8.78	92	158269	18.616	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	70778	16.101	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	90965	18.564	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	48074	16.430	ug/l	96
56) Ethyl methacrylate	9.18	69	46195	11.494	ug/l	100
57) 1,3-Dichloropropane	9.37	76	78001	15.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	36501	18.984	ug/l	99
59) 2-Hexanone	9.49	43	90775	33.309	ug/l	99
60) Dibromochloromethane	9.58	129	62288	21.138	ug/l	100
61) 1,2-Dibromoethane	9.66	107	45735	15.309	ug/l	99
64) Tetrachloroethene	9.33	164	90954	25.607	ug/l	98
65) Chlorobenzene	10.13	112	171358	18.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	62475	20.288	ug/l	99
67) Ethyl Benzene	10.25	91	297604	18.665	ug/l	98
68) m/p-Xylenes	10.35	106	228908	36.699	ug/l	99
69) o-Xylene	10.69	106	106435	18.377	ug/l	100
70) Styrene	10.71	104	176779	18.143	ug/l	100
71) Bromoform	10.85	173	40180	18.977	ug/l #	99
73) Isopropylbenzene	11.01	105	282683	19.052	ug/l	99
74) N-amyl acetate	6.43	43	70883	13.478	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	47304	12.263	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	36817m	11.270	ug/l	
77) Bromobenzene	11.25	156	78294	20.241	ug/l	99
78) n-propylbenzene	11.35	91	309037	17.193	ug/l	100
79) 2-Chlorotoluene	11.41	91	193750	18.986	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	235423	18.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9854	8.935	ug/l	93
82) 4-Chlorotoluene	11.51	91	225081	18.184	ug/l	100
83) tert-Butylbenzene	11.77	119	220415	17.597	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	220815	16.939	ug/l	100
85) sec-Butylbenzene	11.94	105	253980	15.849	ug/l	100
86) p-Isopropyltoluene	12.06	119	231250	15.877	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	139859	17.874	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	136022	17.038	ug/l	99
89) n-Butylbenzene	12.38	91	194373	14.022	ug/l	100
90) Hexachloroethane	12.59	117	35678	16.497	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	119360	16.380	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6583	8.601	ug/l	94

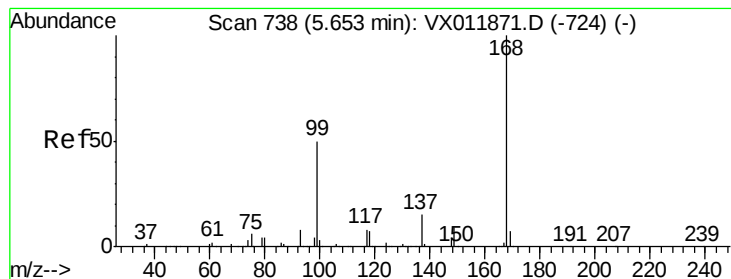
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 12:26:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	81970	14.180	ug/l	99
94) Hexachlorobutadiene	13.78	225	60270	16.304	ug/l	100
95) Naphthalene	13.83	128	99998	8.095	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	67367	12.838	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

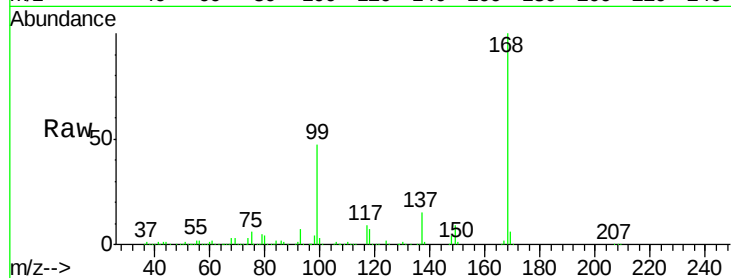
VSTDIC020

Tot Ion:168 Resp: 365139

Ion Ratio Lower Upper

168 100

99 47.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

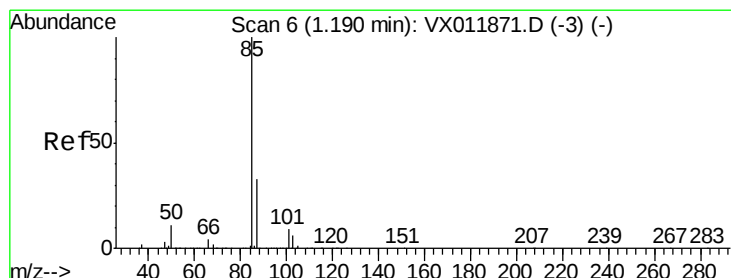
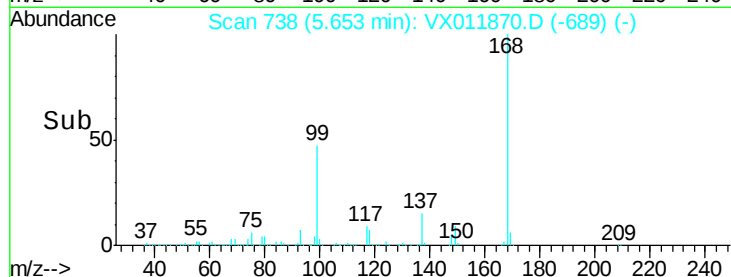
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.393 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011870.D

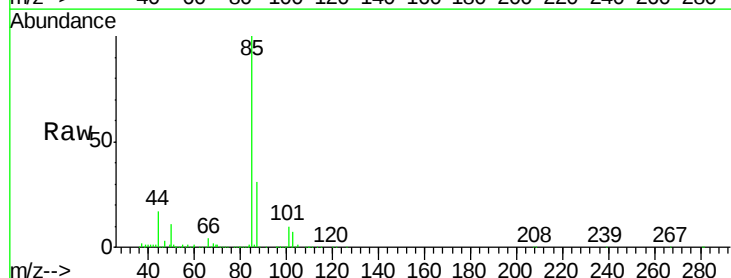
Acq: 28 Aug 2019 11:35

Tgt Ion: 85 Resp: 50521

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

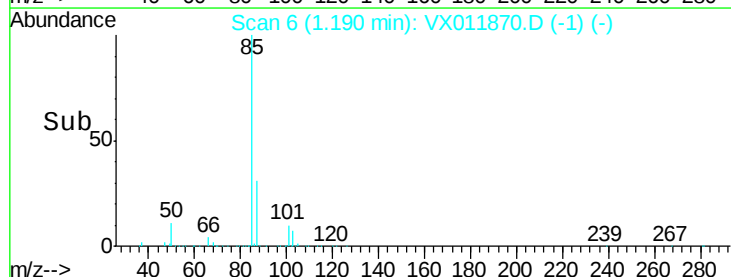
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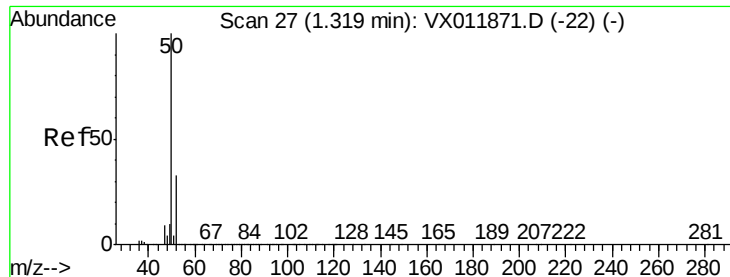
20000

10000

0

Time-->





#3

Chloromethane

Concen: 15.122 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

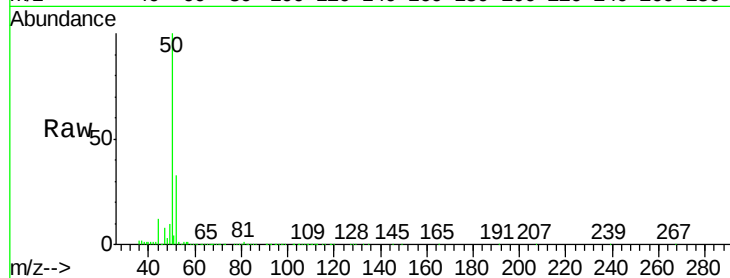
VSTDIC020

Tot Ion: 50 Resp: 58586

Ion Ratio Lower Upper

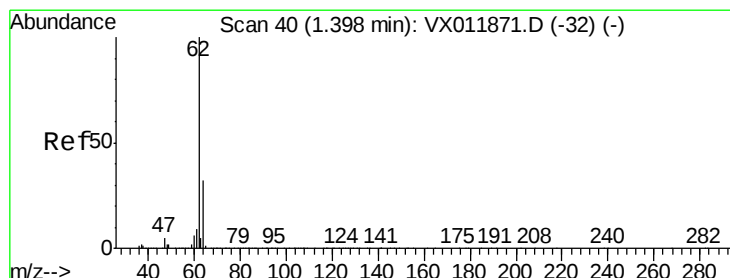
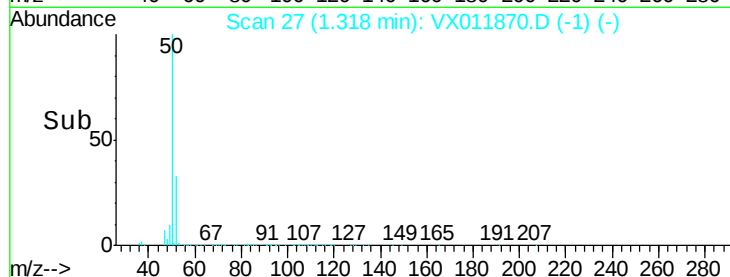
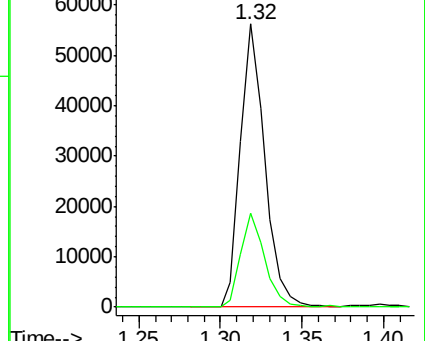
50 100

52 33.1 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: 13.187 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011870.D

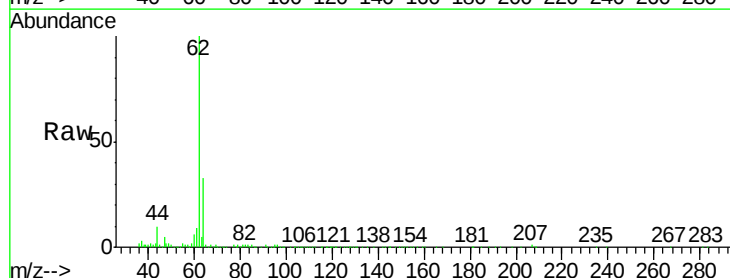
Acq: 28 Aug 2019 11:35

Tgt Ion: 62 Resp: 54954

Ion Ratio Lower Upper

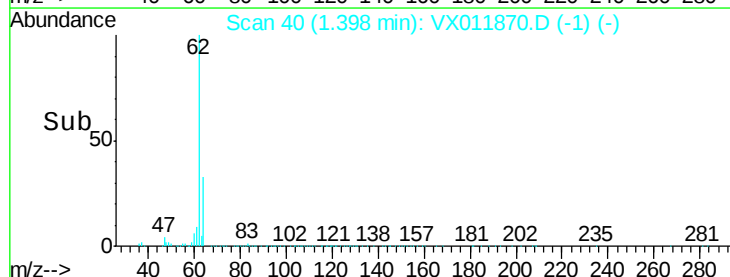
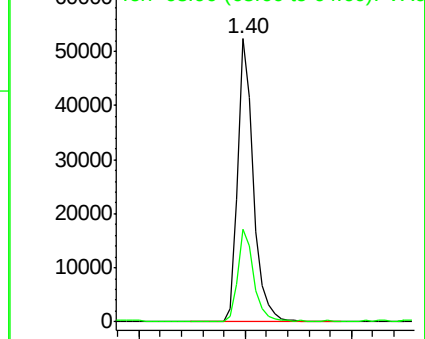
62 100

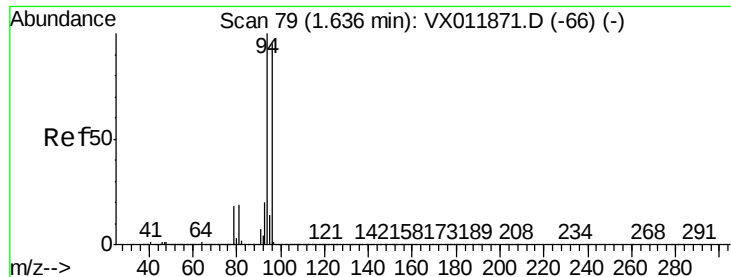
64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 11.761 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

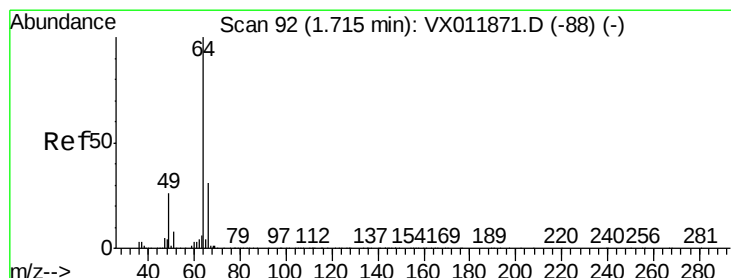
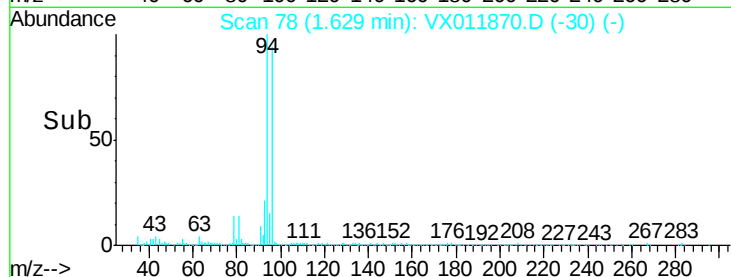
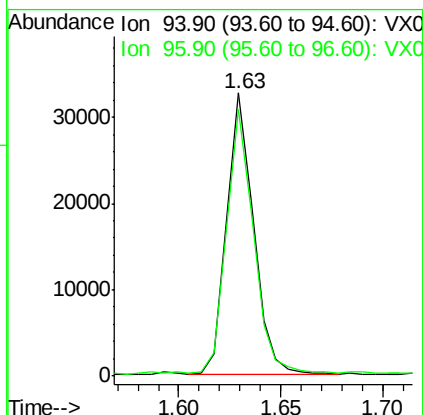
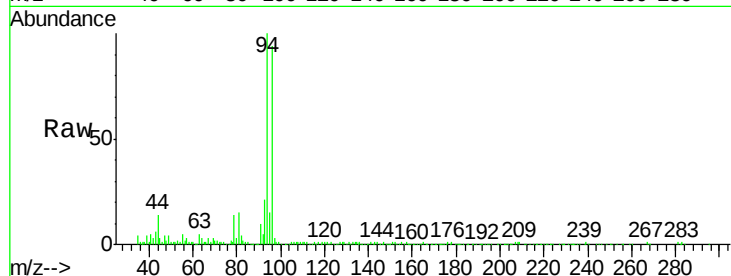
VSTDIC020

Tot Ion: 94 Resp: 29502

Ion Ratio Lower Upper

94 100

96 93.8 76.0 114.0



#6

Chloroethane

Concen: 14.891 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011870.D

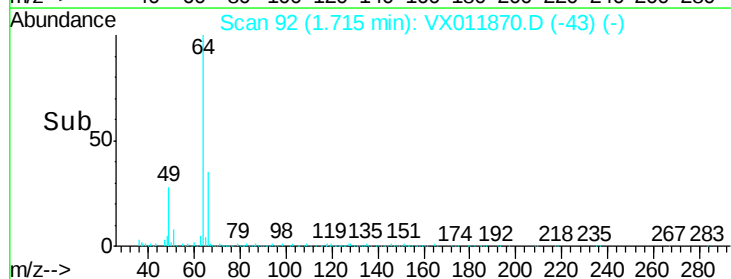
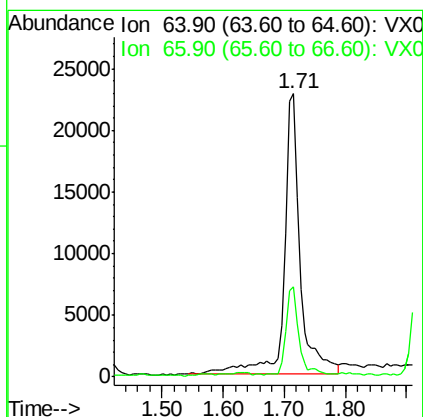
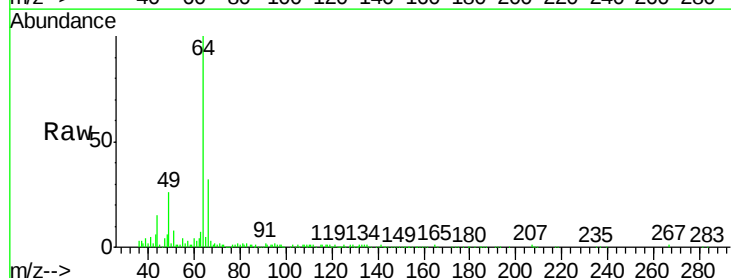
Acq: 28 Aug 2019 11:35

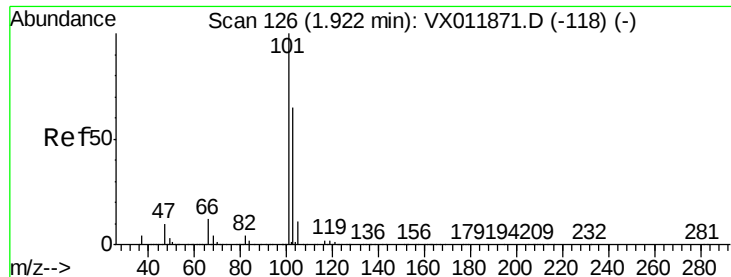
Tgt Ion: 64 Resp: 41034

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.4



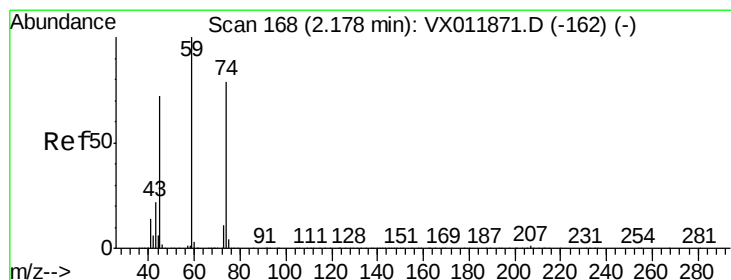
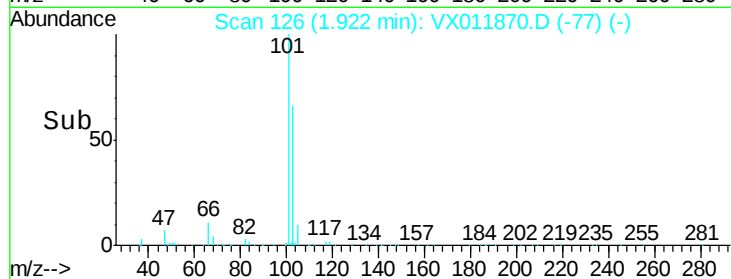
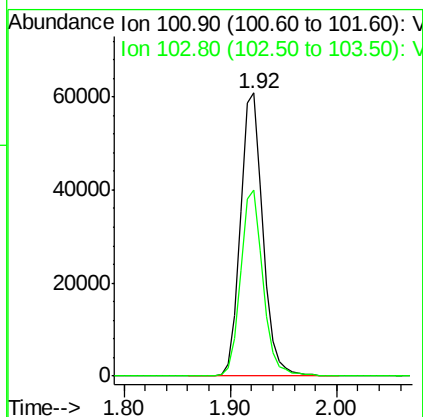
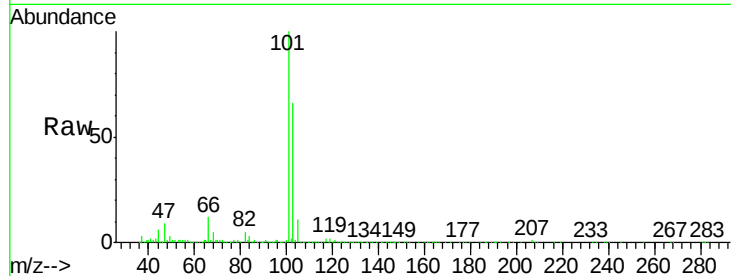


#7

Trichlorofluoromethane
Concen: 16.545 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

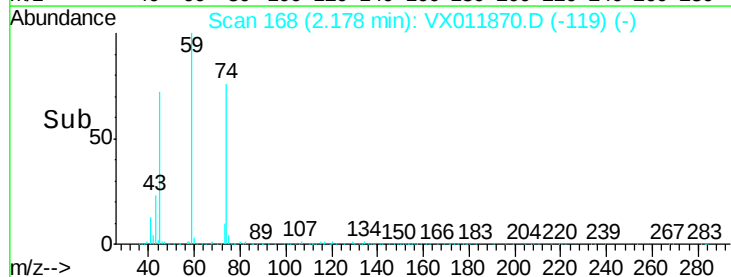
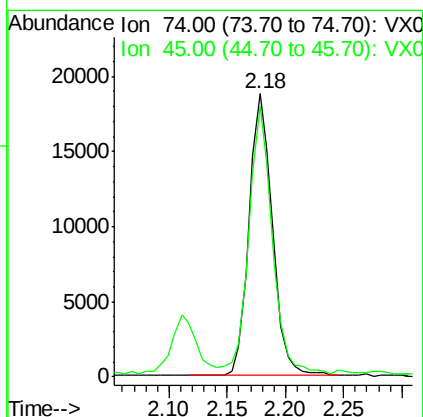
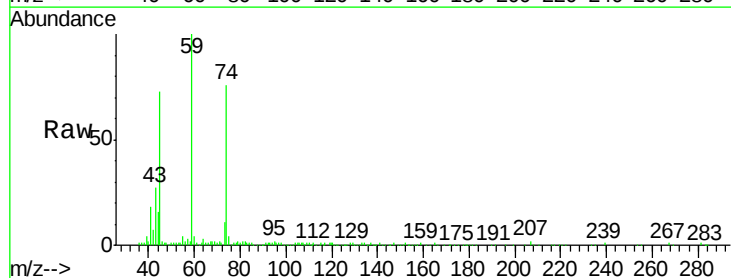
Tot Ion:101 Resp: 90406
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.8

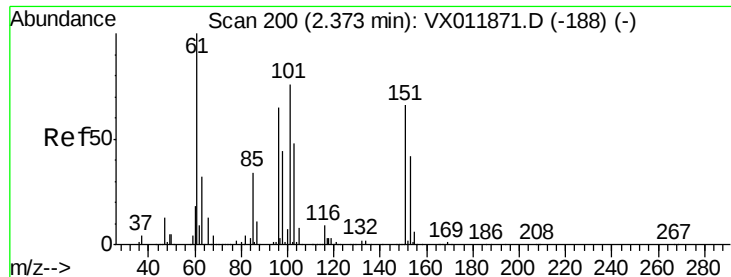


#8

Diethyl Ether
Concen: 12.857 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 74 Resp: 26552
Ion Ratio Lower Upper
74 100
45 94.0 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.823 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

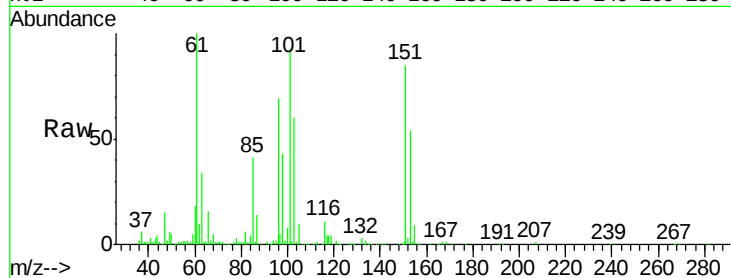
Tot Ion:101 Resp: 58314

Ion Ratio Lower Upper

101 100

85 44.3 34.5 51.7

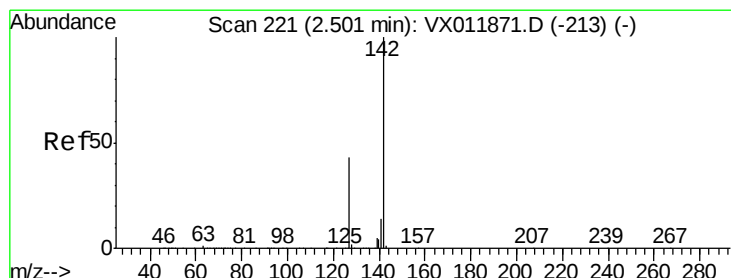
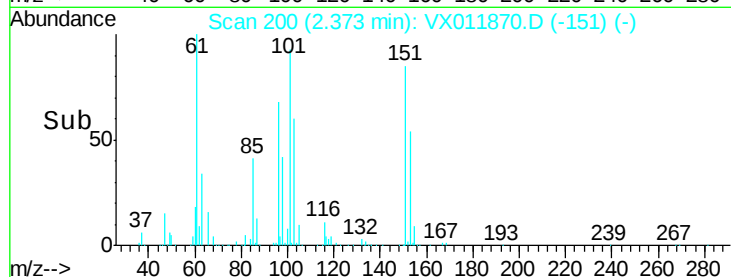
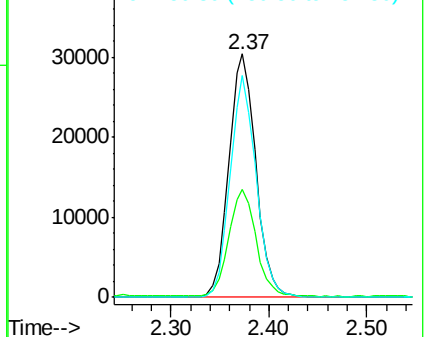
151 87.6 69.4 104.2



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: 14.066 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

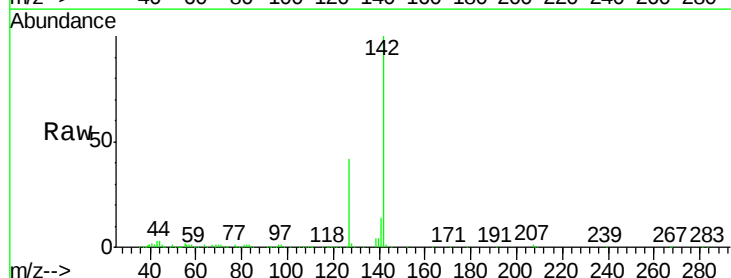
Tgt Ion:142 Resp: 56059

Ion Ratio Lower Upper

142 100

127 42.9 34.5 51.7

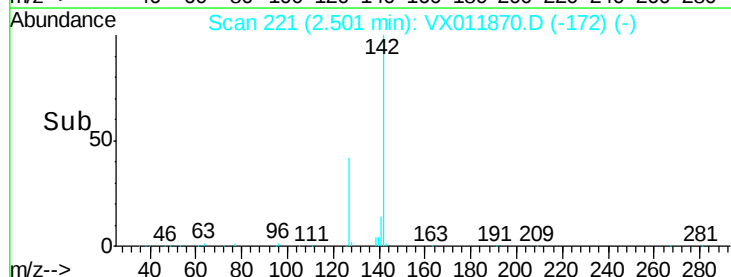
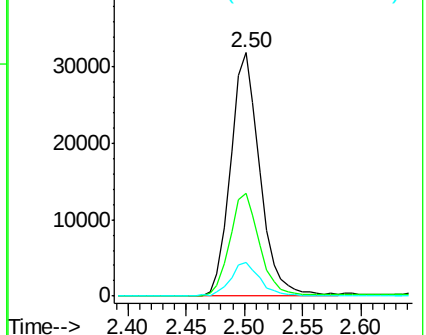
141 14.3 11.6 17.4

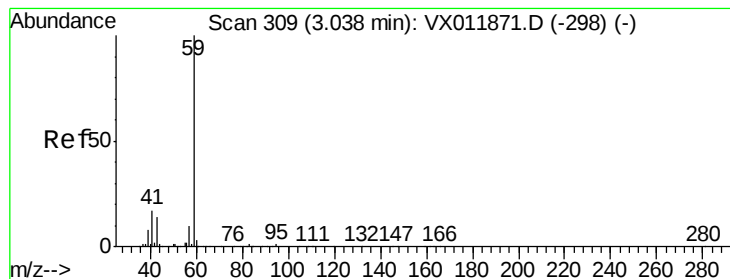


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



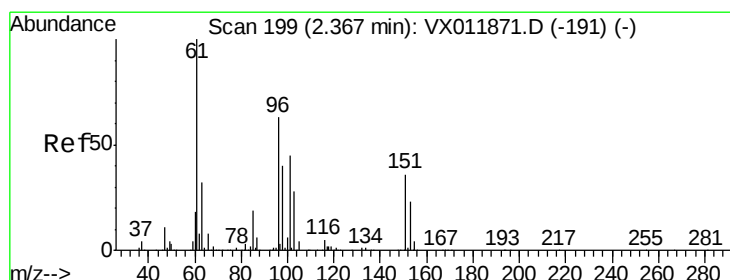
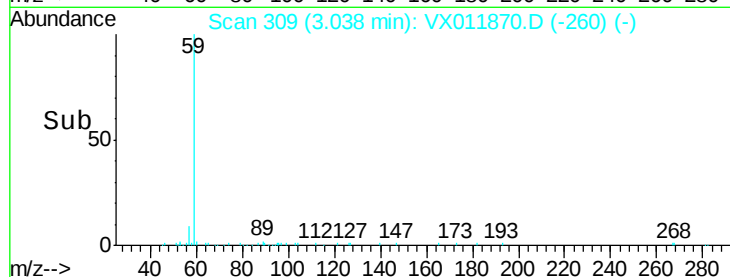
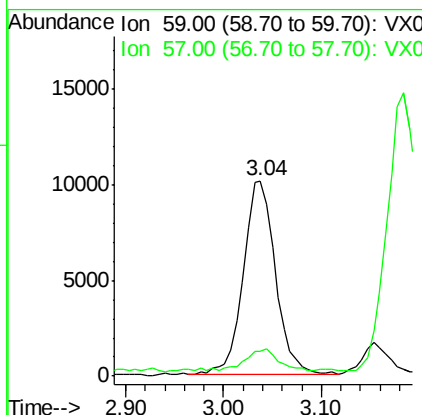
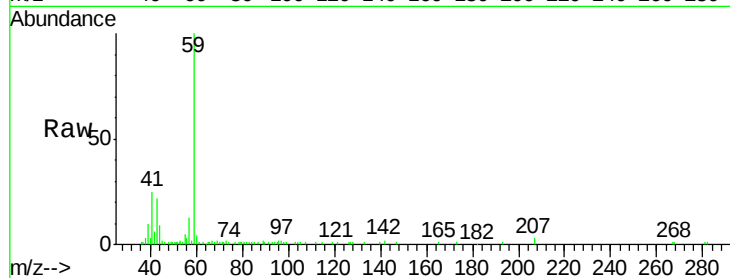


#11

Tert butyl alcohol
 Concen: 39.117 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

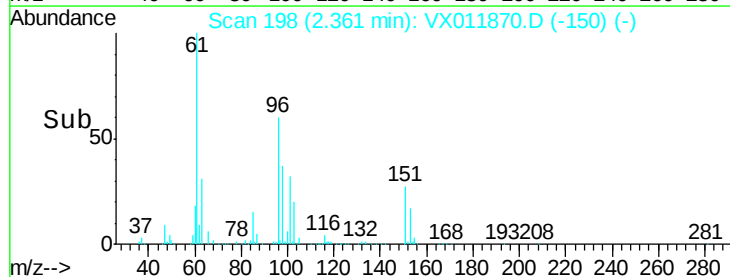
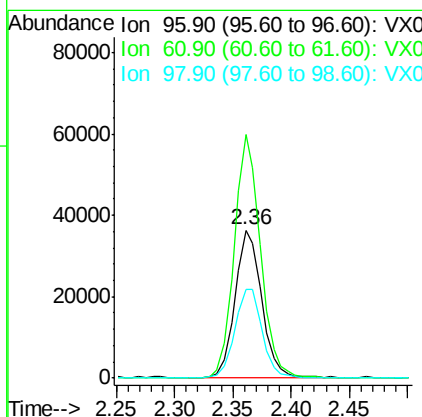
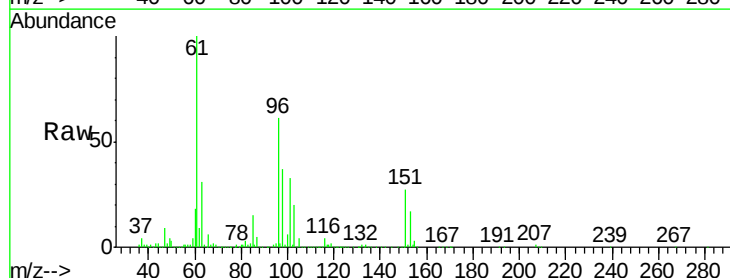
Tot Ion: 59 Resp: 23391
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.3 12.5

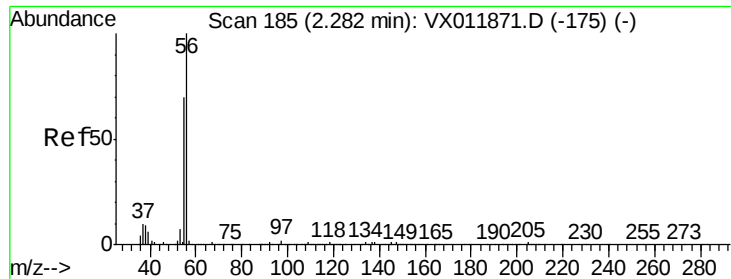


#12

1,1-Dichloroethene
 Concen: 17.575 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion: 96 Resp: 57359
 Ion Ratio Lower Upper
 96 100
 61 164.9 128.0 192.0
 98 60.0 51.4 77.2





#13

Acrolein

Concen: 56.077 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

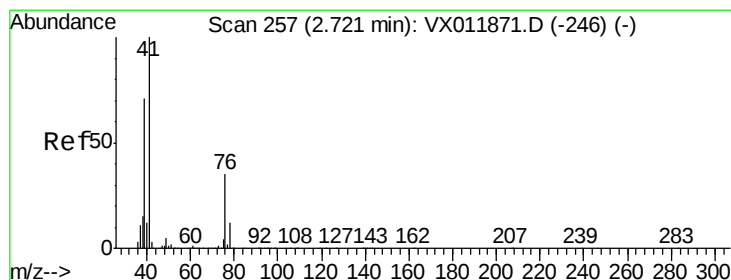
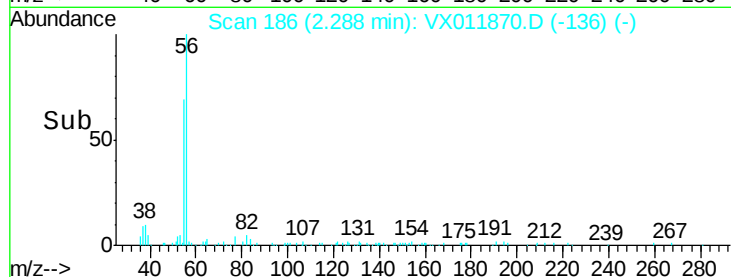
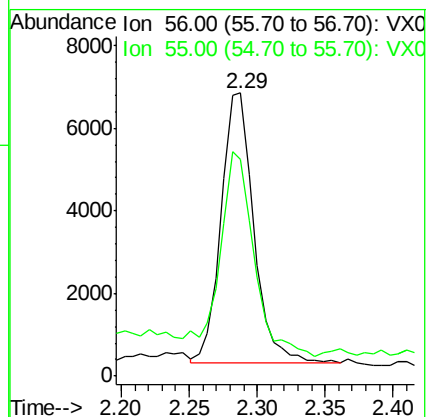
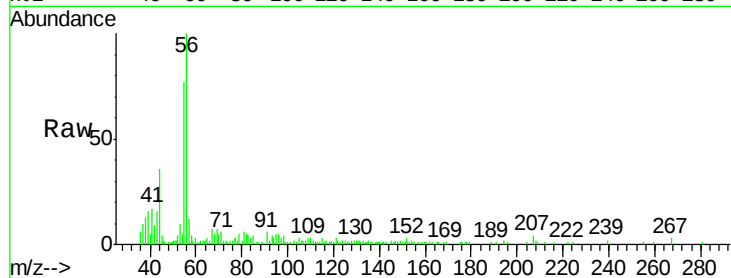
VSTDIC020

Tot Ion: 56 Resp: 10971

Ion Ratio Lower Upper

56 100

55 79.3 60.2 90.4



#14

Allyl chloride

Concen: 16.323 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

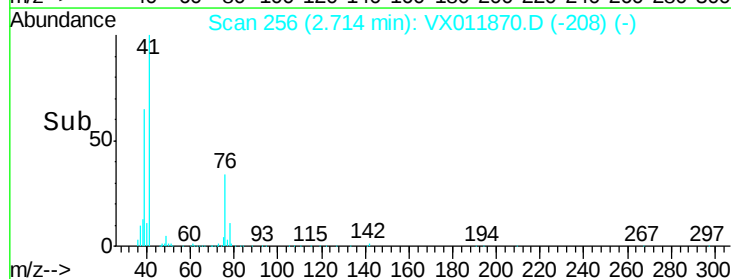
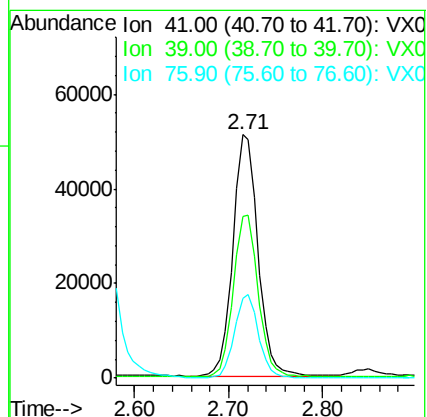
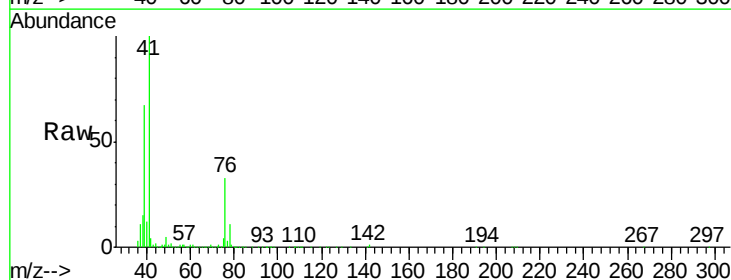
Tgt Ion: 41 Resp: 94437

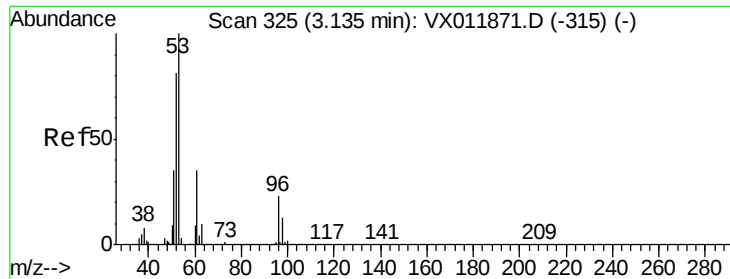
Ion Ratio Lower Upper

41 100

39 66.5 54.6 82.0

76 33.4 27.1 40.7





#15

Acrylonitrile

Concen: 47.763 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

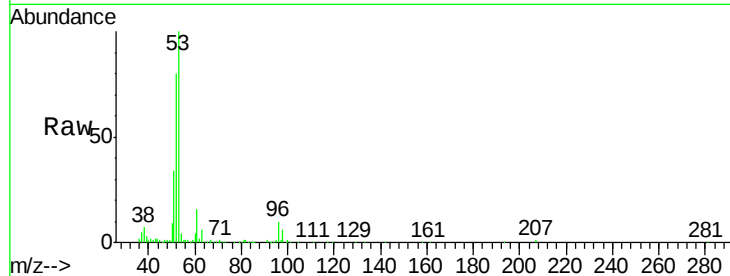
Tot Ion: 53 Resp: 72635

Ion Ratio Lower Upper

53 100

52 81.9 65.3 97.9

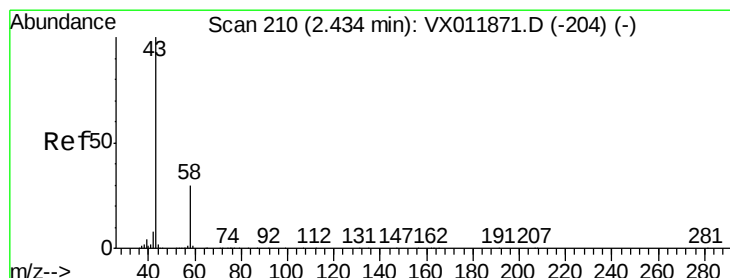
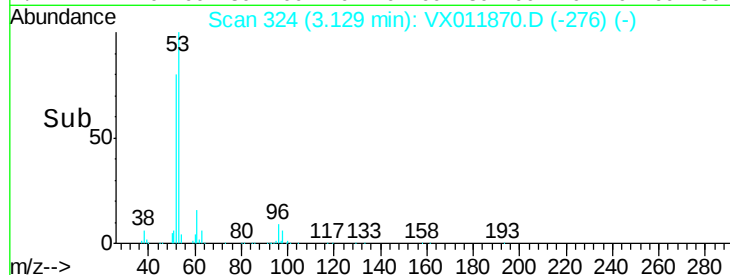
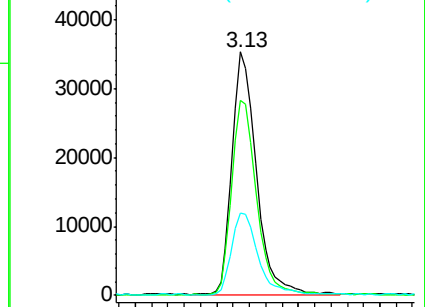
51 36.6 29.1 43.7



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: 66.865 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011870.D

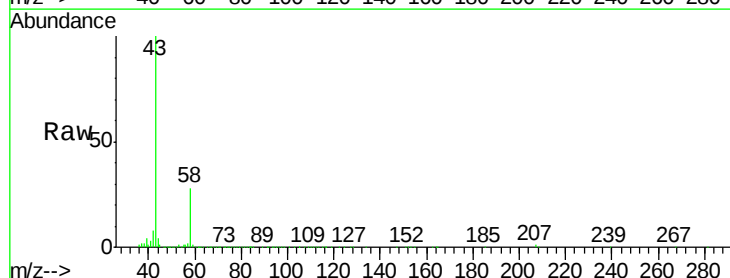
Acq: 28 Aug 2019 11:35

Tgt Ion: 43 Resp: 94319

Ion Ratio Lower Upper

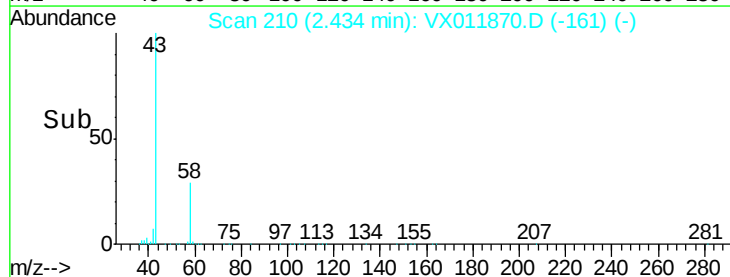
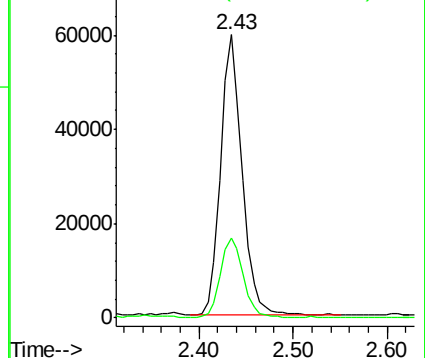
43 100

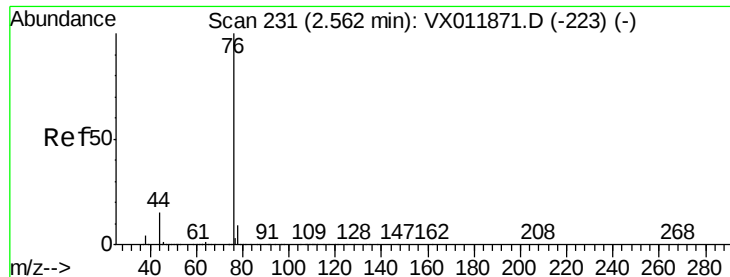
58 28.4 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.520 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

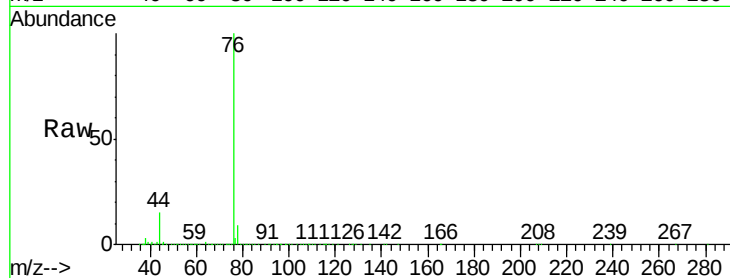
VSTDIC020

Tot Ion: 76 Resp: 164802

Ion Ratio Lower Upper

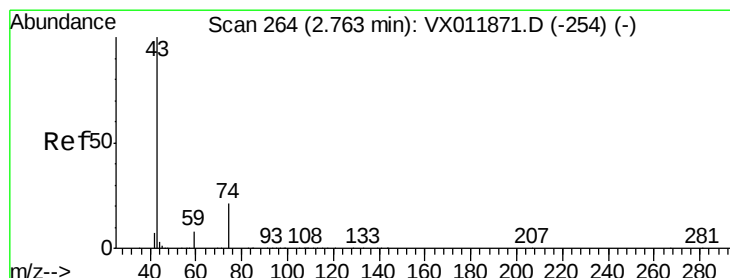
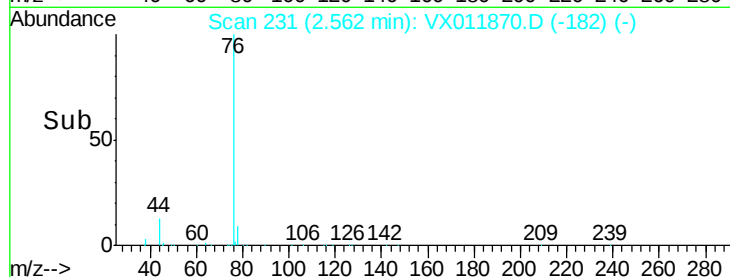
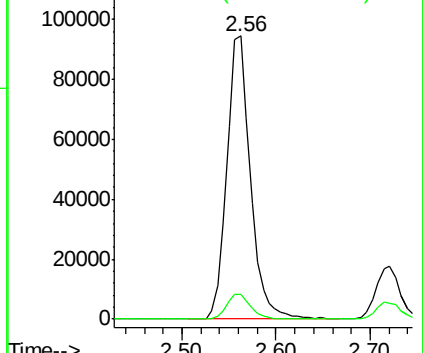
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 11.699 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011870.D

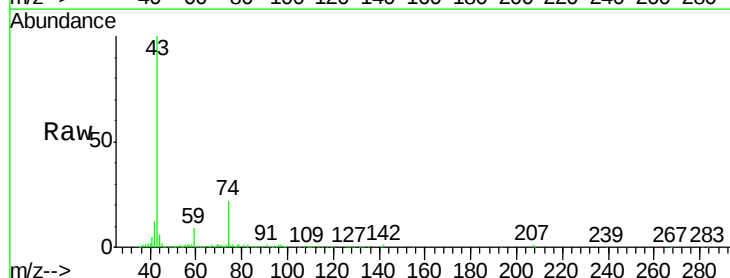
Acq: 28 Aug 2019 11:35

Tgt Ion: 43 Resp: 46374

Ion Ratio Lower Upper

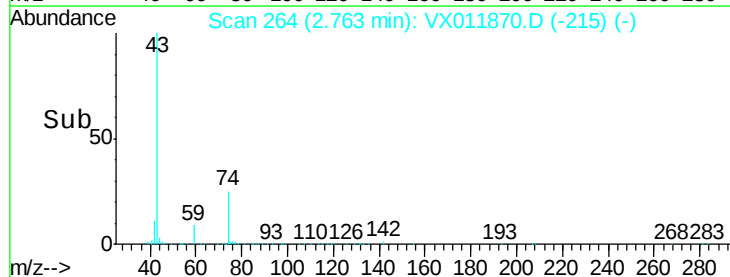
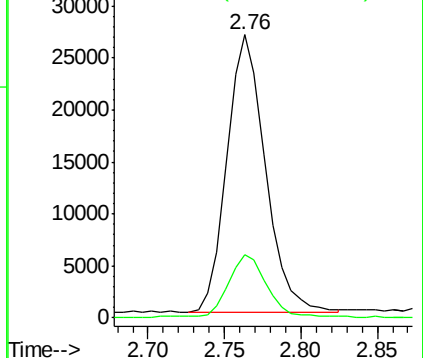
43 100

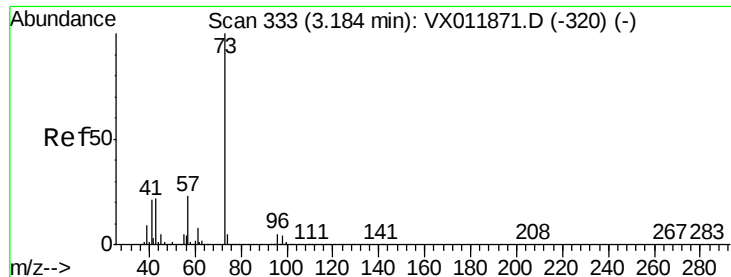
74 22.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

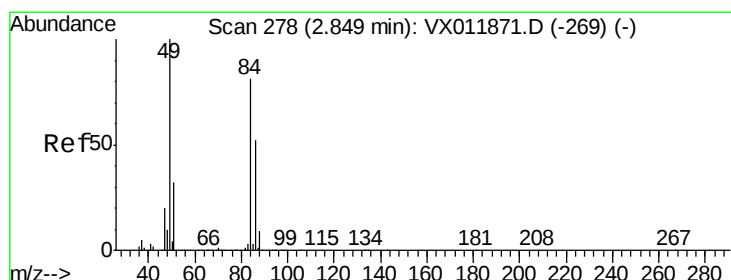
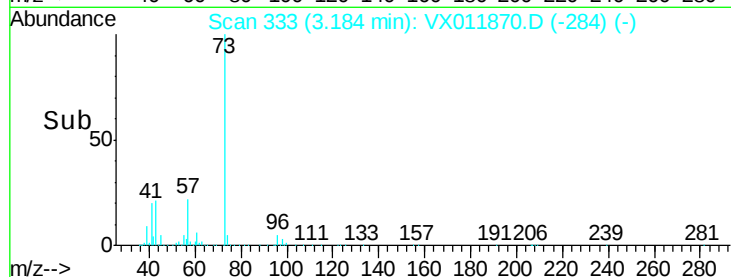
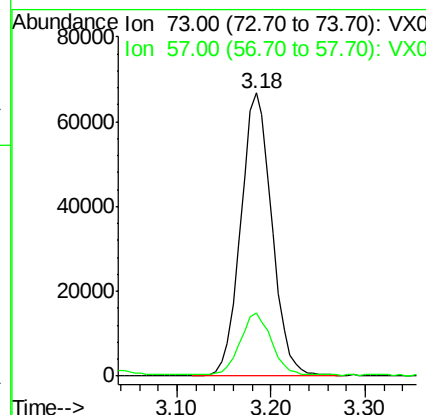
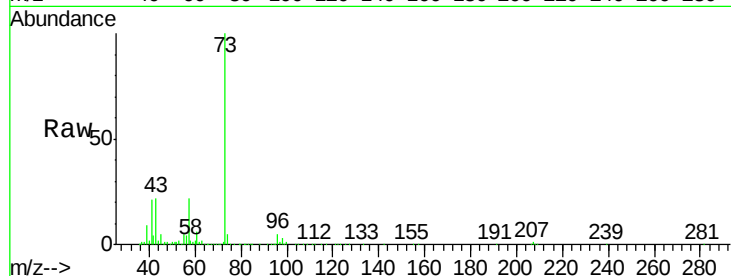




#19
Methyl tert-butyl Ether
Concen: 17.254 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

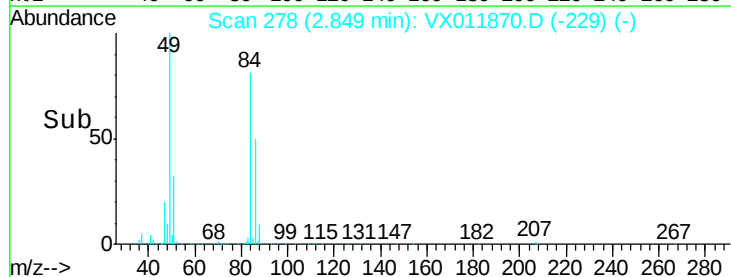
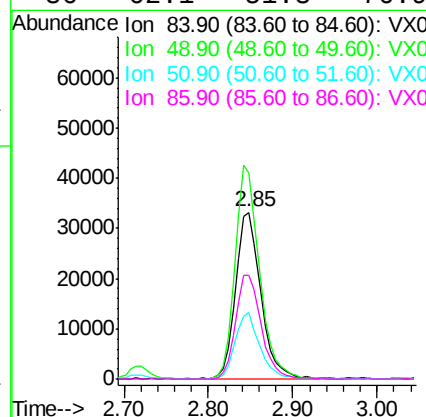
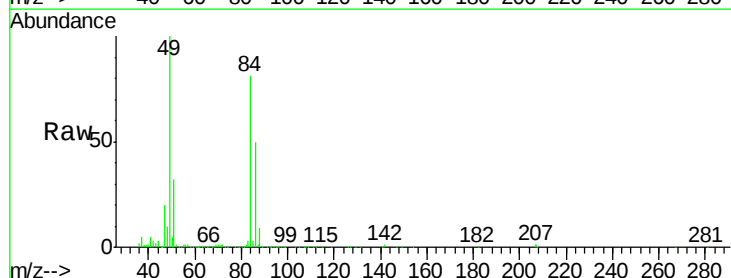
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

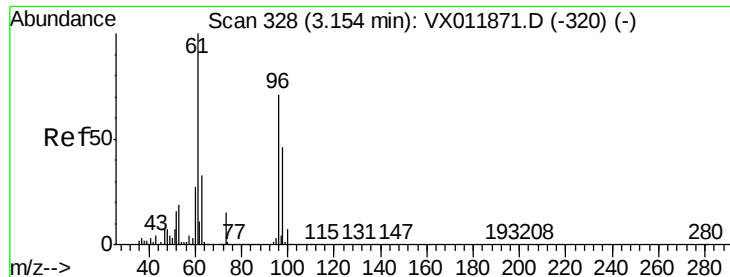
Tot Ion: 73 Resp: 153277
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1



#20
Methylene Chloride
Concen: 15.358 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 84 Resp: 66416
Ion Ratio Lower Upper
84 100
49 123.5 98.9 148.3
51 39.6 31.4 47.2
86 62.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 17.286 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

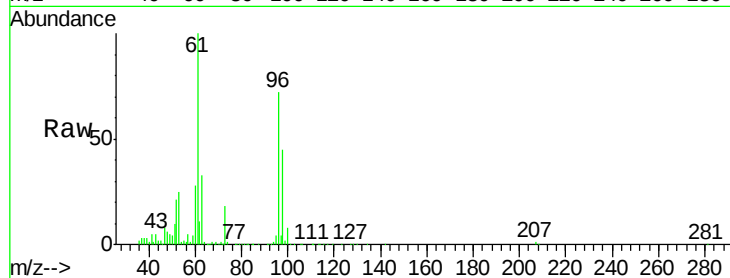
Tot Ion: 96 Resp: 61817

Ion Ratio Lower Upper

96 100

61 139.2 111.9 167.9

98 62.7 51.7 77.5

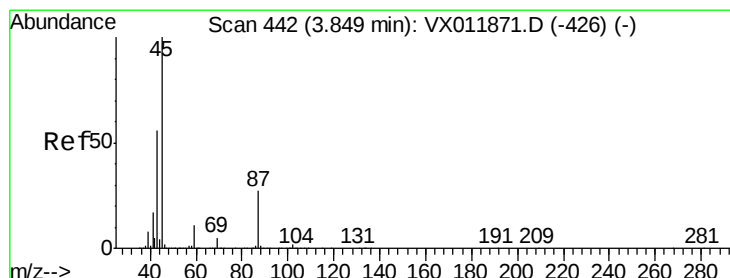
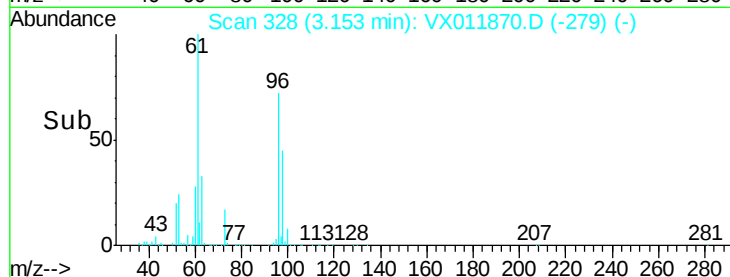
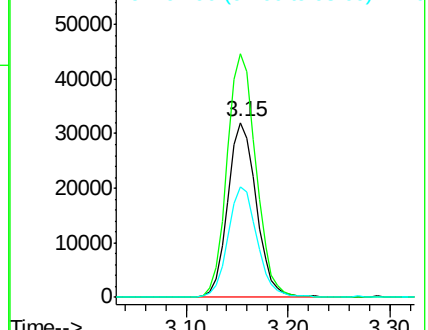


Abundance

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: 18.087 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Tgt Ion: 45 Resp: 188902

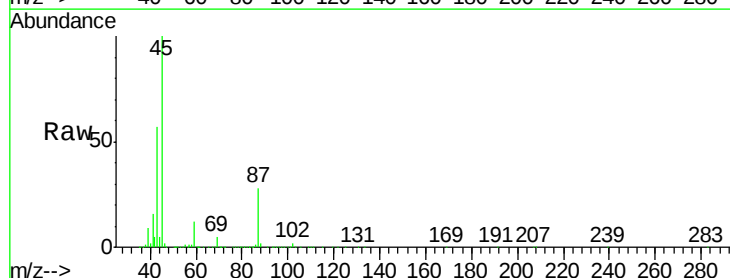
Ion Ratio Lower Upper

45 100

43 57.0 44.7 67.1

87 27.7 21.5 32.3

59 11.9 9.1 13.7



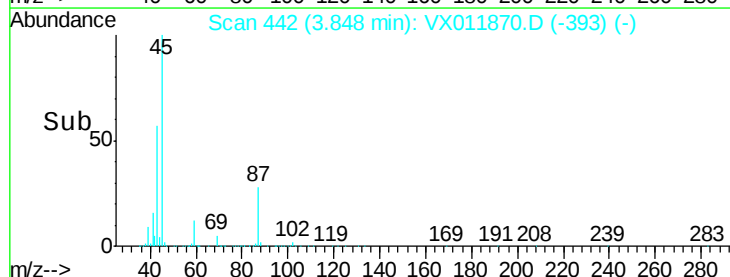
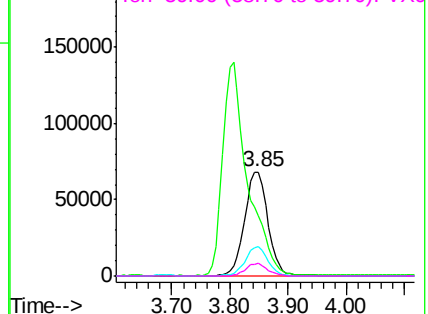
Abundance

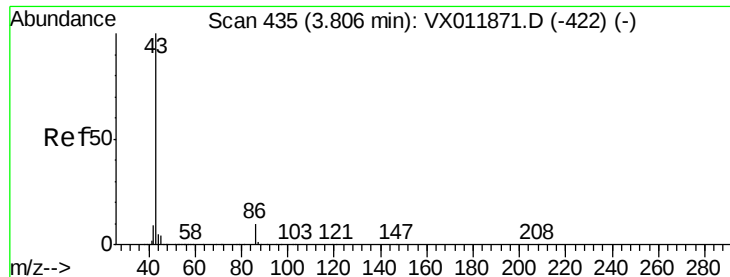
Ion 45.00 (44.70 to 45.70): VX0

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: 54.976 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

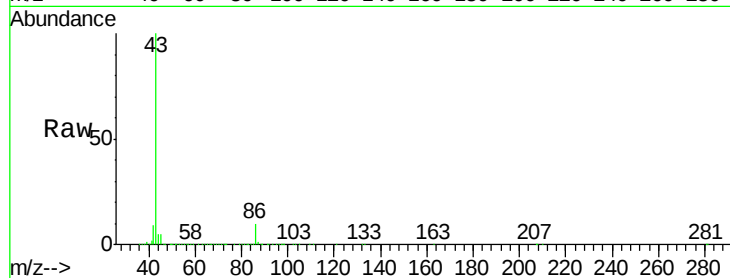
VSTDIC020

Tot Ion: 43 Resp: 414111

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

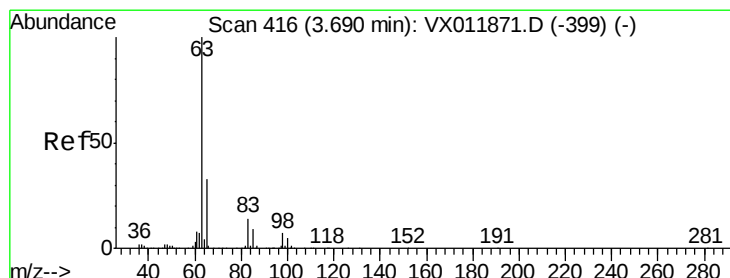
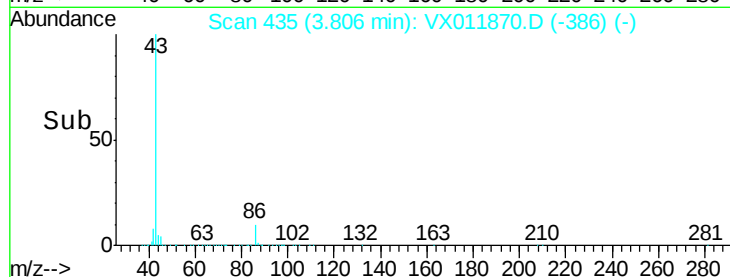
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.863 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

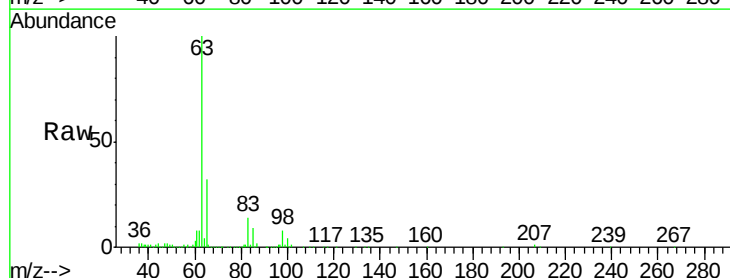
Tgt Ion: 63 Resp: 108797

Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 4.5 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

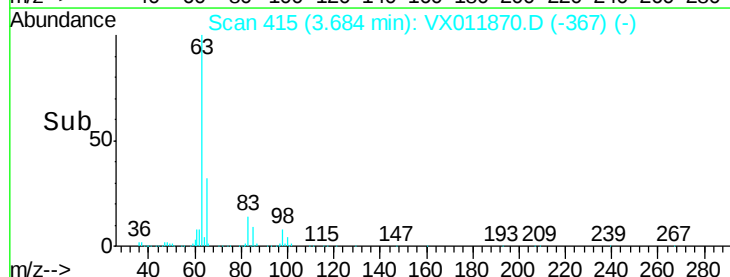
20000

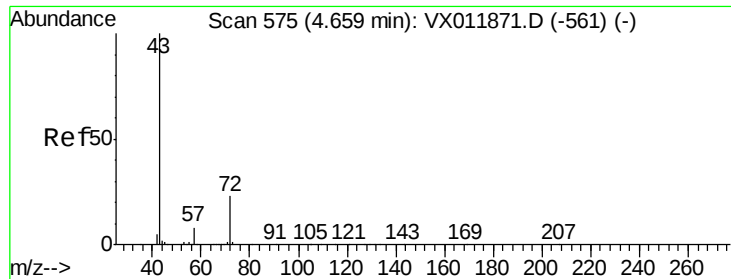
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 45.626 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

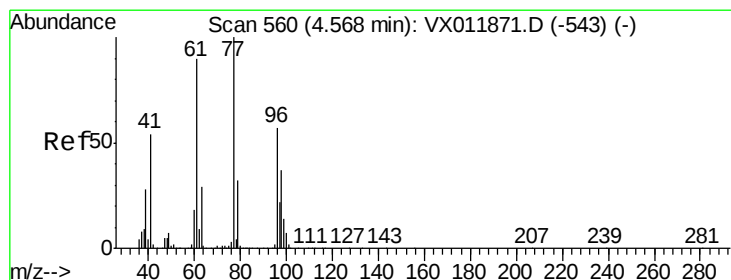
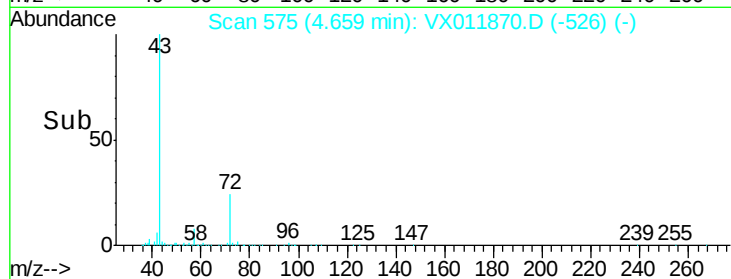
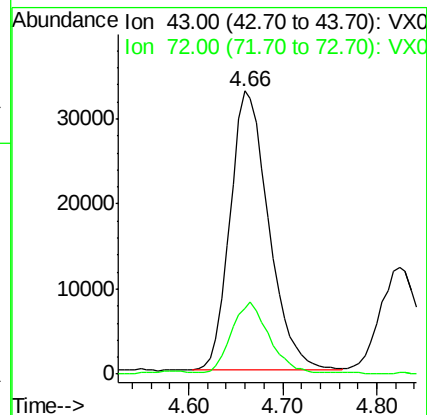
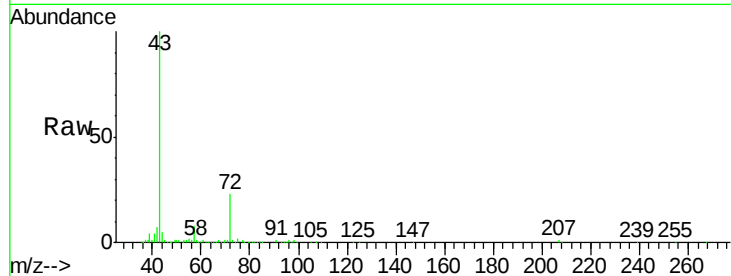
VSTDIC020

Tot Ion: 43 Resp: 93821

Ion Ratio Lower Upper

43 100

72 23.2 18.9 28.3



#26

2,2-Dichloropropane

Concen: 19.082 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VX011870.D

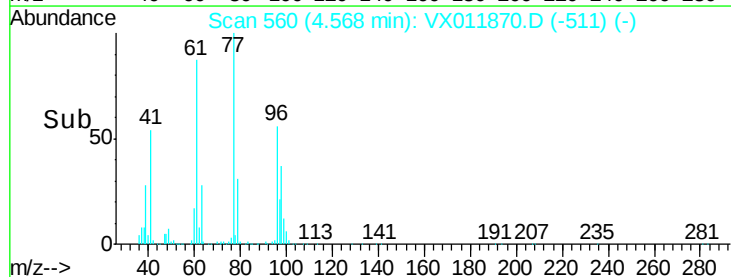
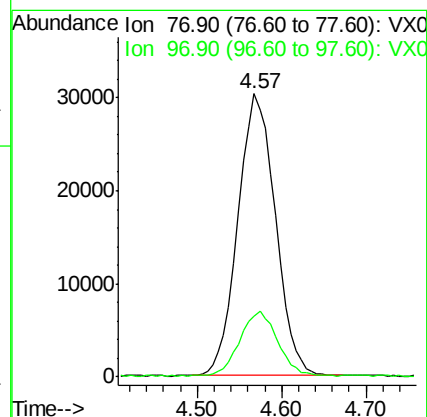
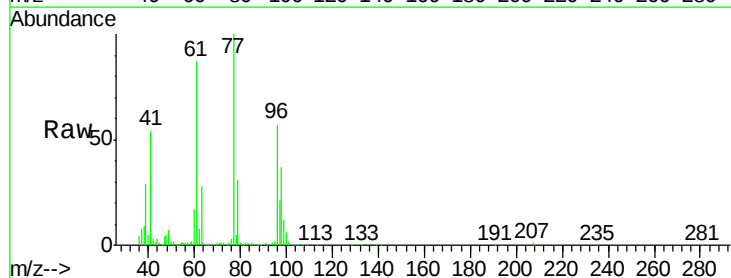
Acq: 28 Aug 2019 11:35

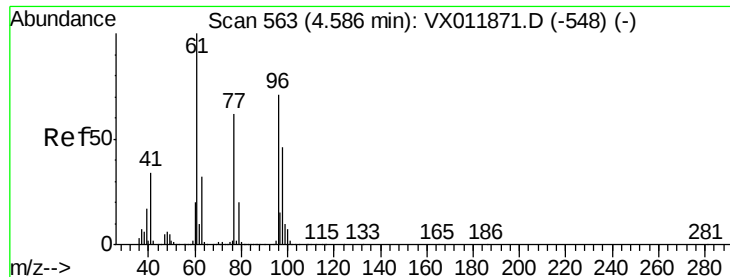
Tgt Ion: 77 Resp: 91538

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



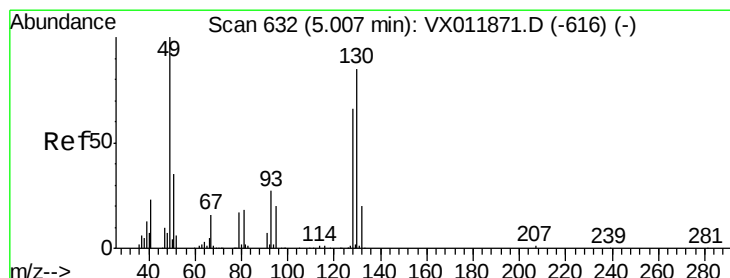
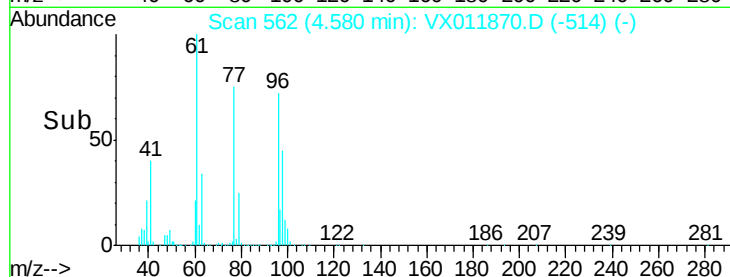
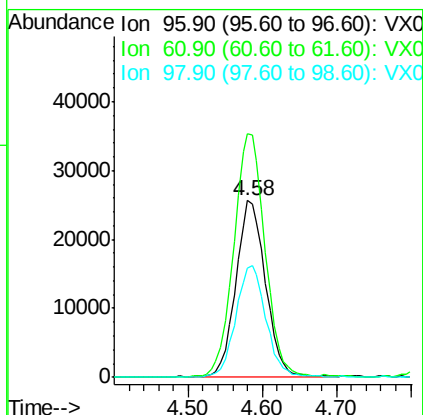
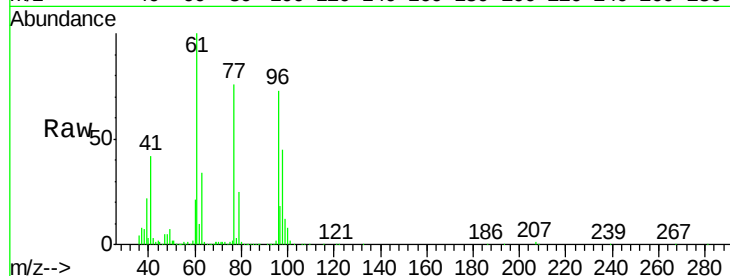


#27

cis-1,2-Dichloroethene
 Concen: 18.785 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

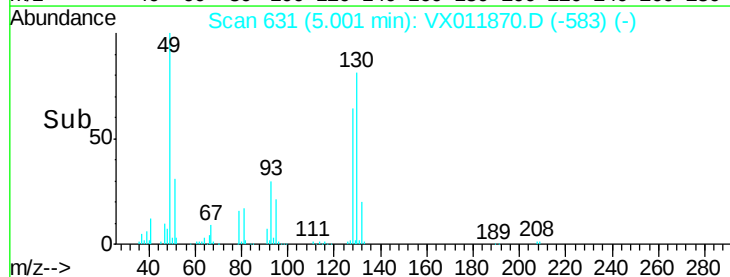
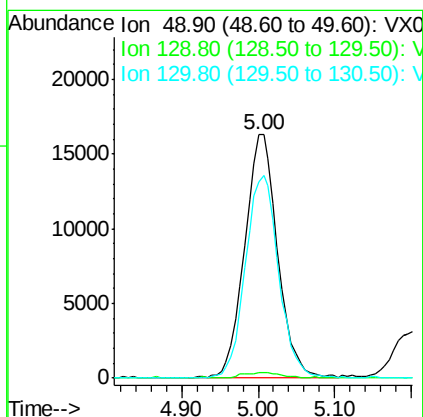
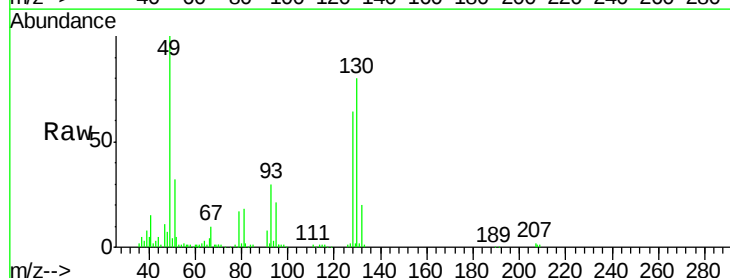
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	288.8
98	64.1	0.0	129.6

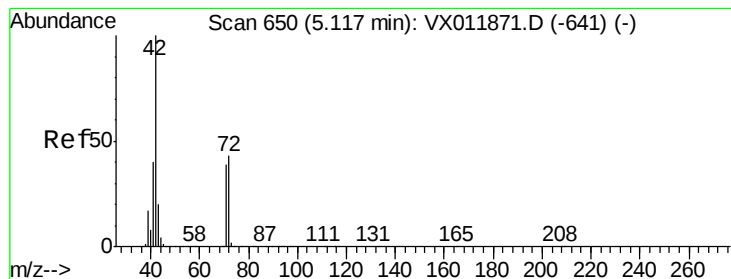


#28

Bromochloromethane
 Concen: 17.927 ug/l
 RT: 5.00 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	83.9	67.3	100.9





#29

Tetrahydrofuran

Concen: 45.436 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

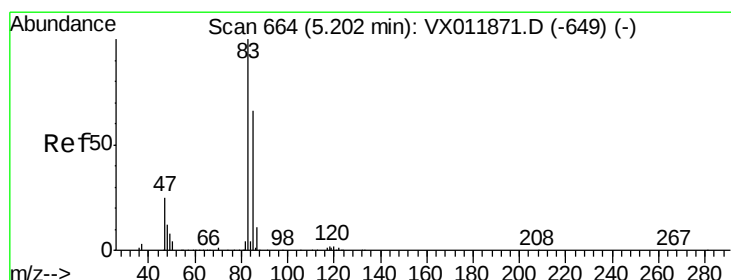
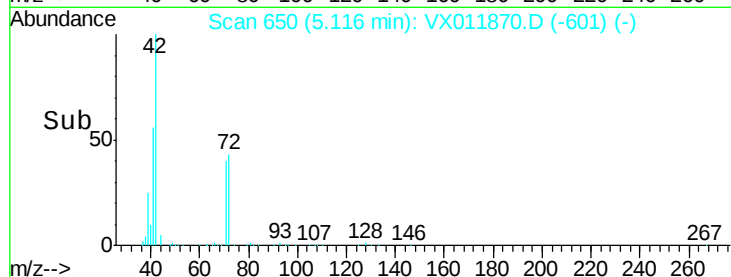
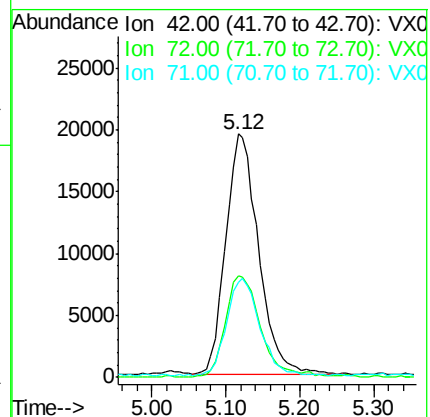
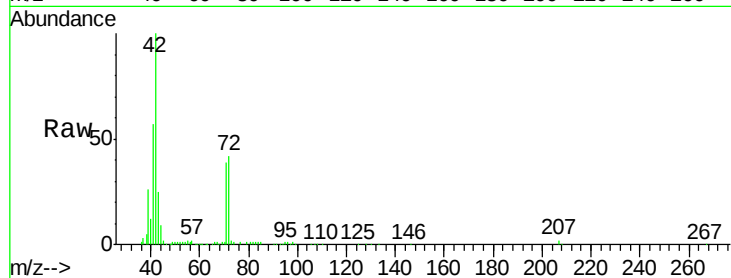
Tot Ion: 42 Resp: 59542

Ion Ratio Lower Upper

42 100

72 45.8 35.4 53.2

71 41.2 32.6 48.8



#30

Chloroform

Concen: 19.145 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011870.D

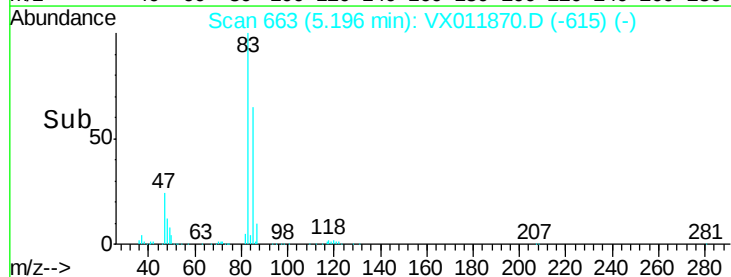
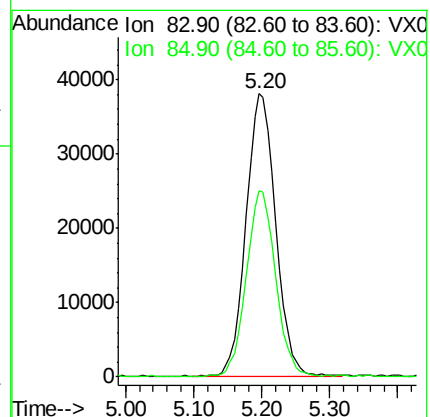
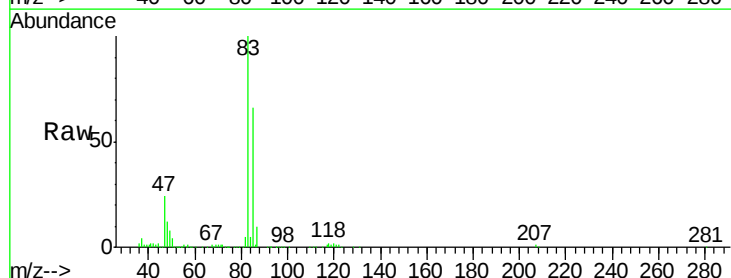
Acq: 28 Aug 2019 11:35

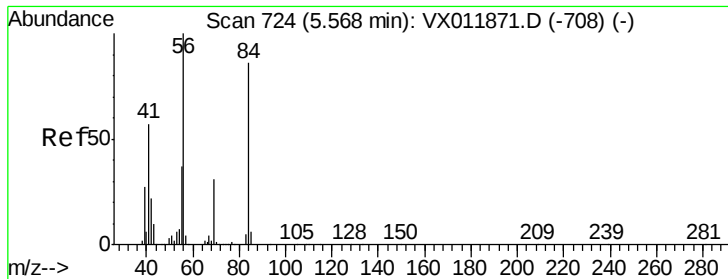
Tgt Ion: 83 Resp: 114902

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 17.297 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

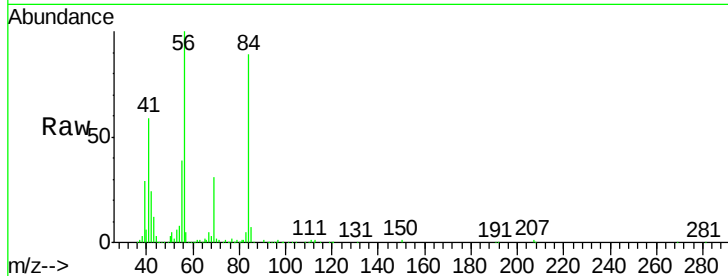
Tot Ion: 56 Resp: 101763

Ion Ratio Lower Upper

56 100

69 30.4 25.0 37.4

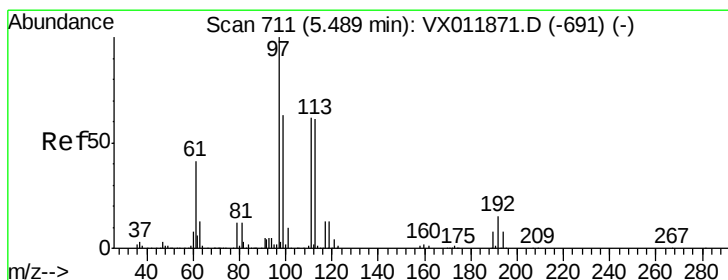
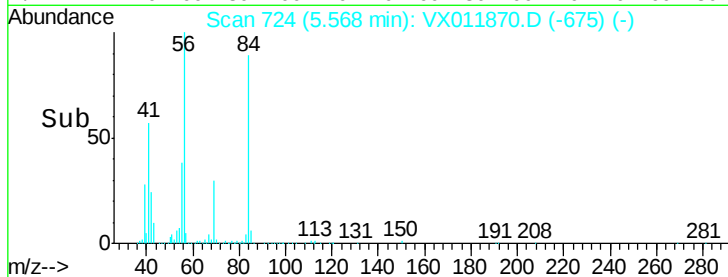
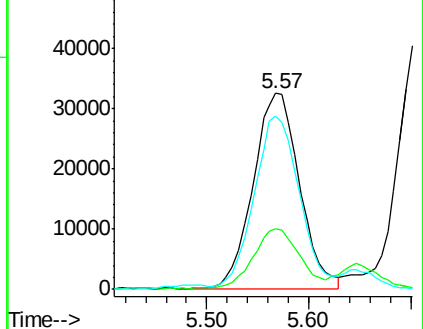
84 86.7 68.6 103.0



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: 20.295 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

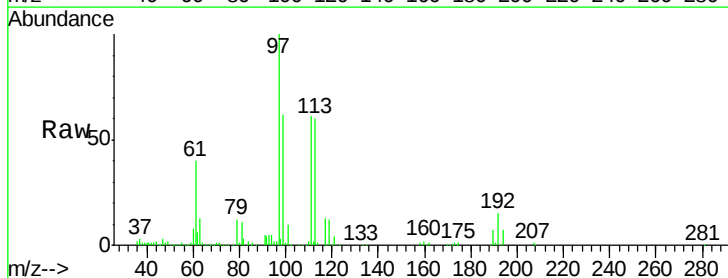
Tgt Ion: 97 Resp: 104686

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

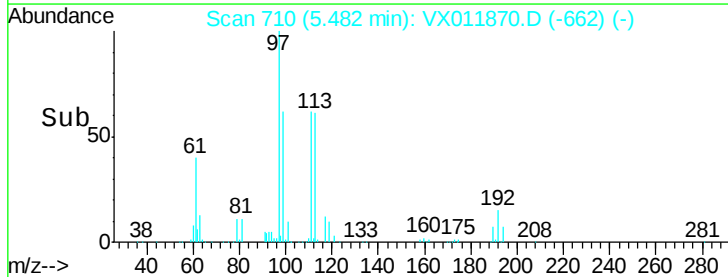
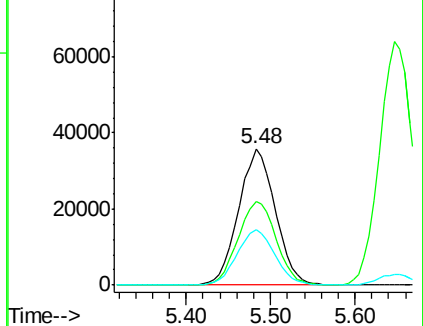
61 42.6 33.4 50.2

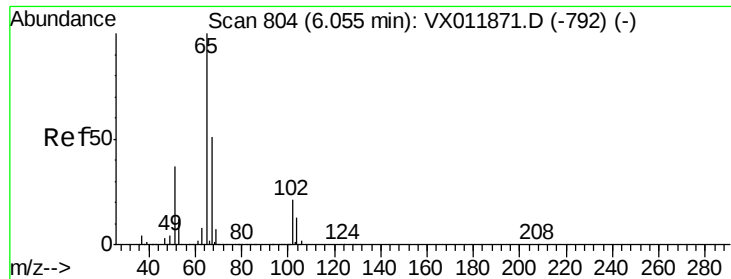


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 17.099 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

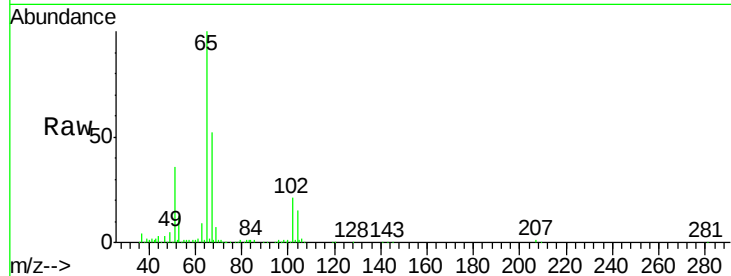
VSTDIC020

Tot Ion: 65 Resp: 63145

Ion Ratio Lower Upper

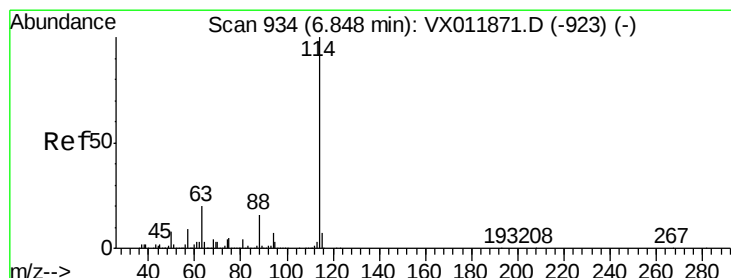
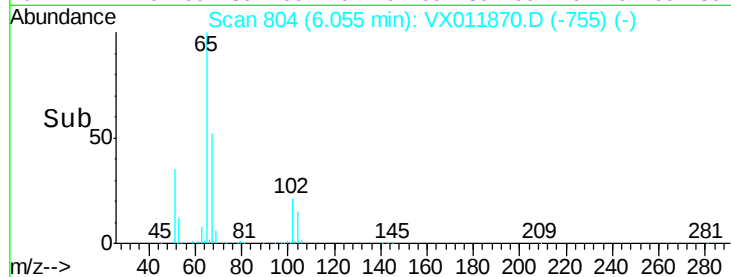
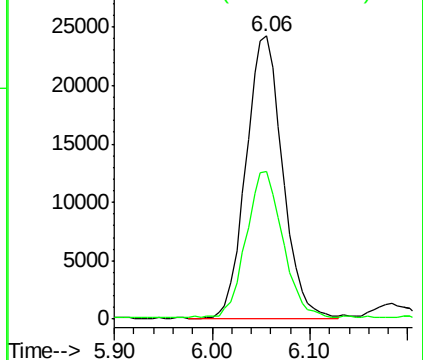
65 100

67 51.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

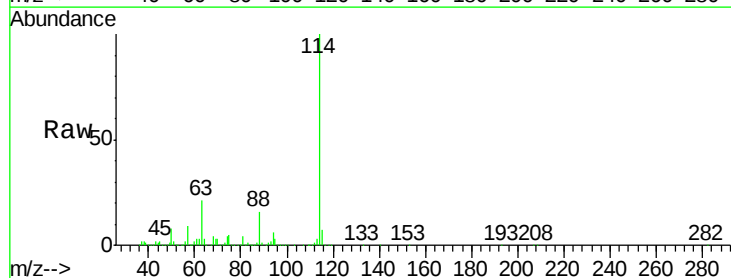
Tgt Ion: 114 Resp: 507848

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.8

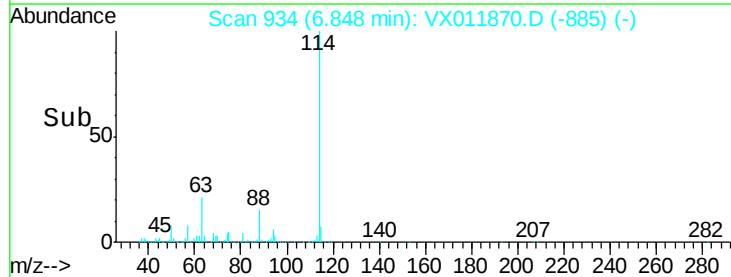
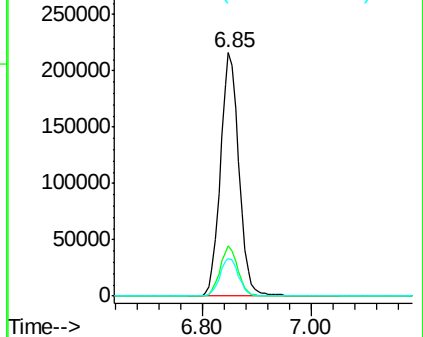
88 15.5 0.0 31.6

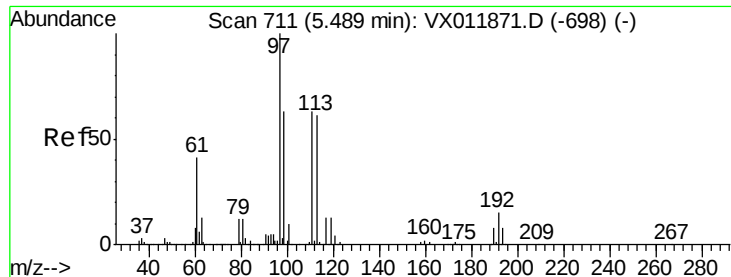


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 21.386 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

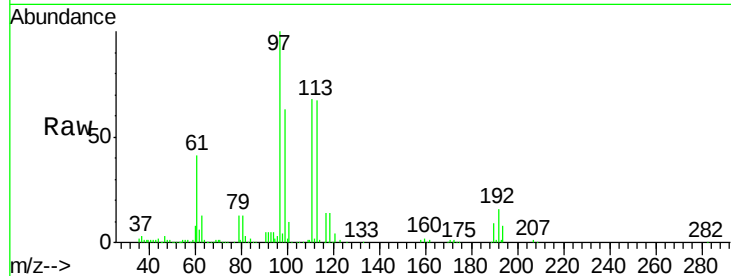
Tot Ion:113 Resp: 63951

Ion Ratio Lower Upper

113 100

111 103.4 80.9 121.3

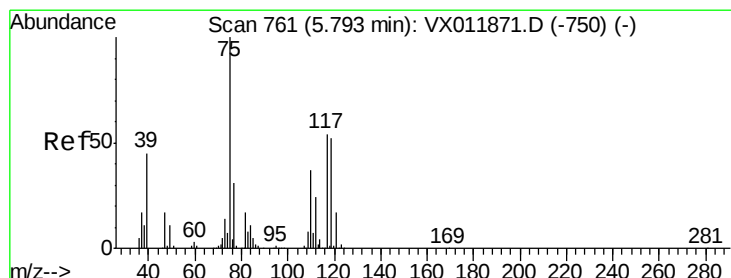
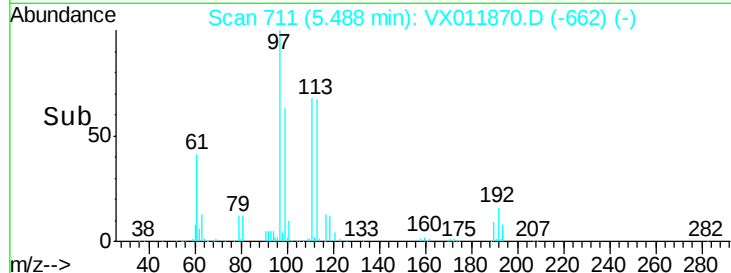
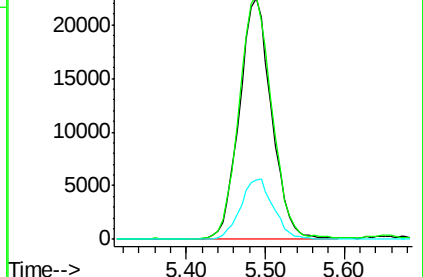
192 25.6 20.6 30.8



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: 18.010 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

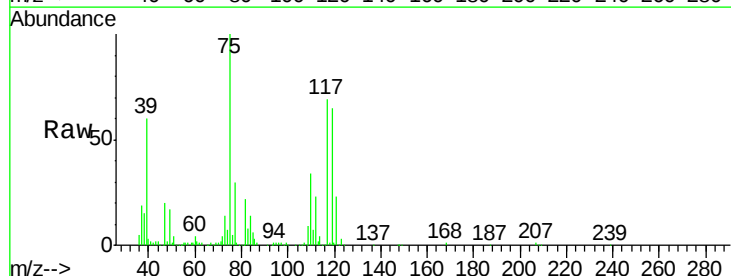
Tgt Ion: 75 Resp: 85656

Ion Ratio Lower Upper

75 100

110 37.6 18.5 55.5

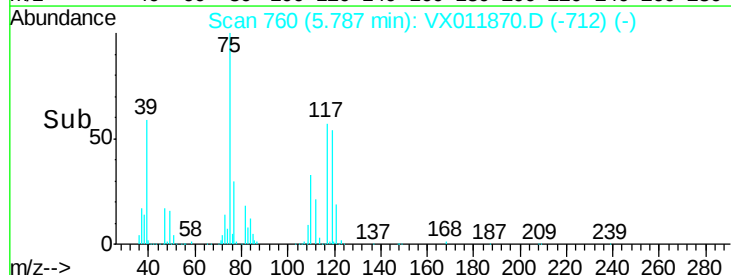
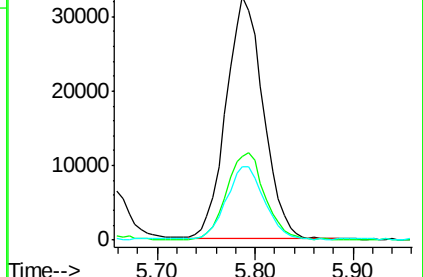
77 30.9 24.7 37.1

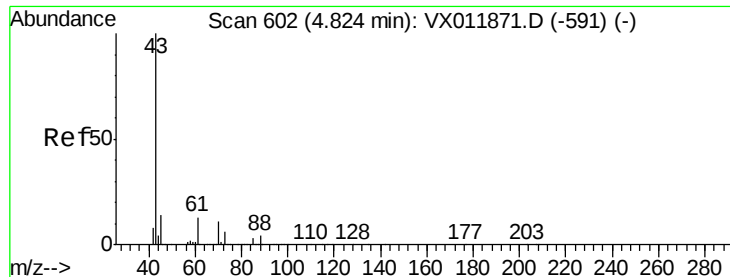


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

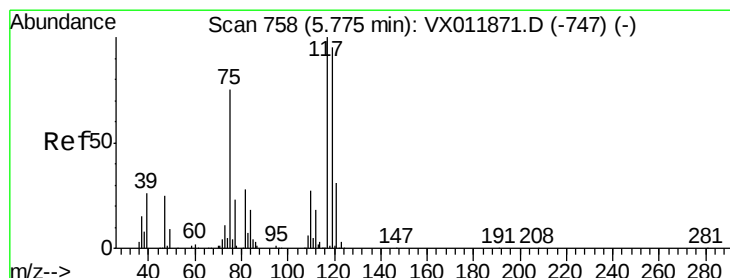
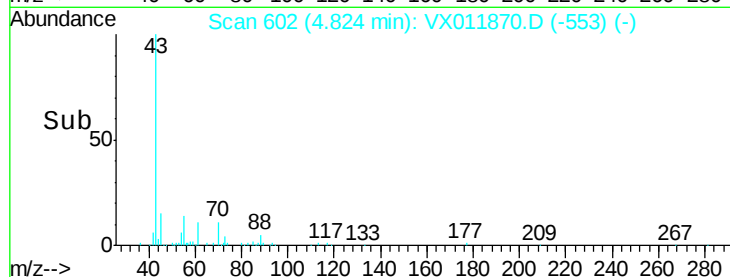
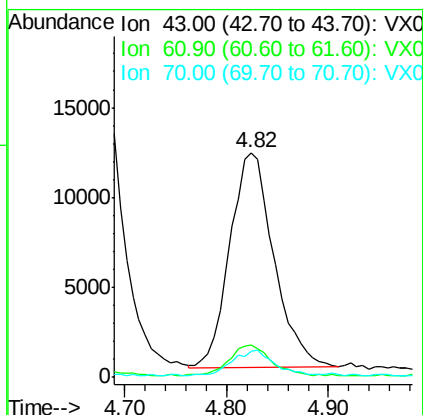
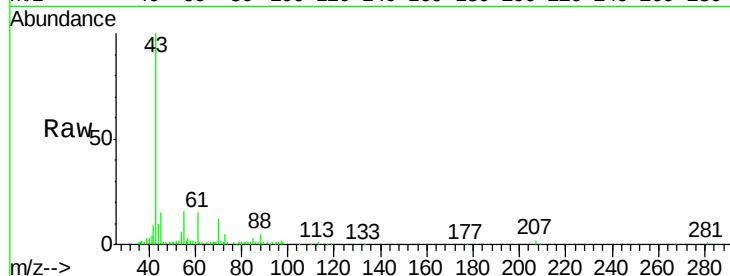




#37
Ethyl Acetate
Concen: 9.811 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

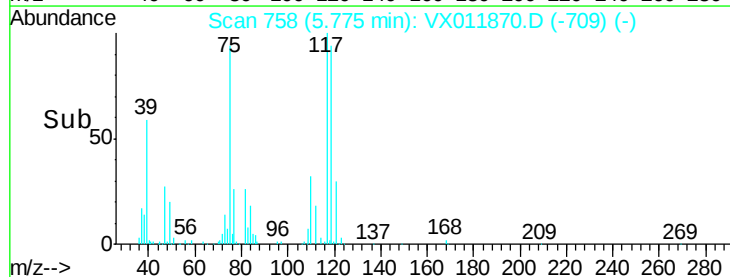
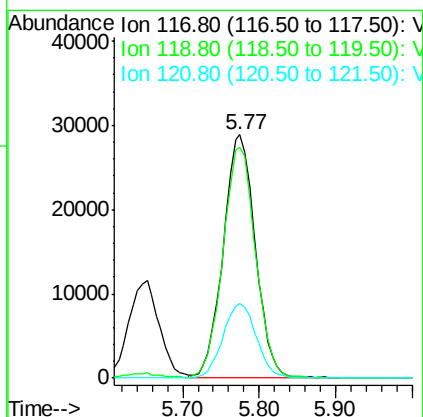
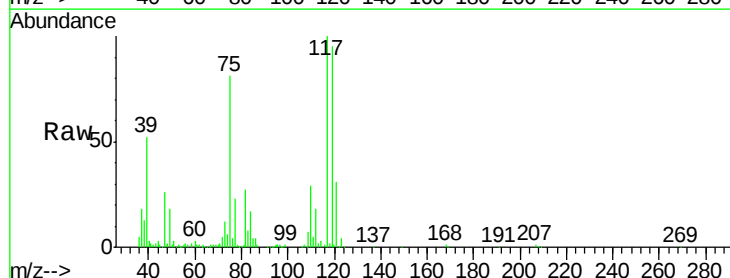
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

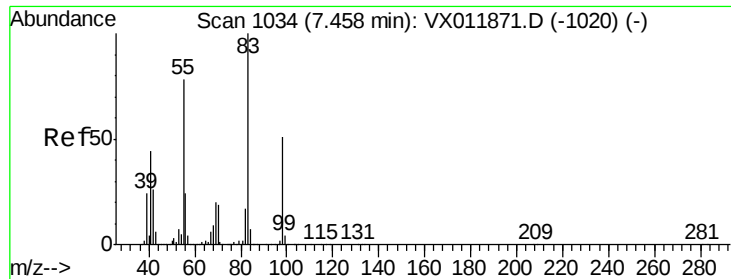
Tot Ion: 43 Resp: 35842
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 11.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 19.105 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 117 Resp: 84044
Ion Ratio Lower Upper
117 100
119 94.5 75.7 113.5
121 30.9 25.1 37.7

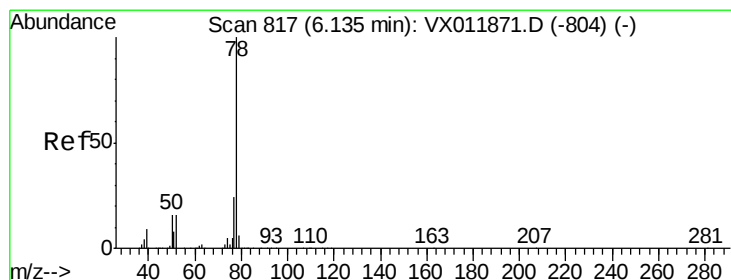
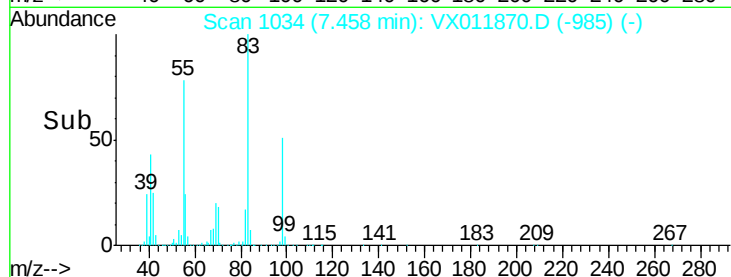
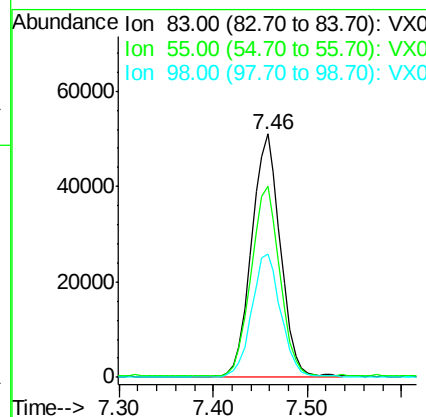
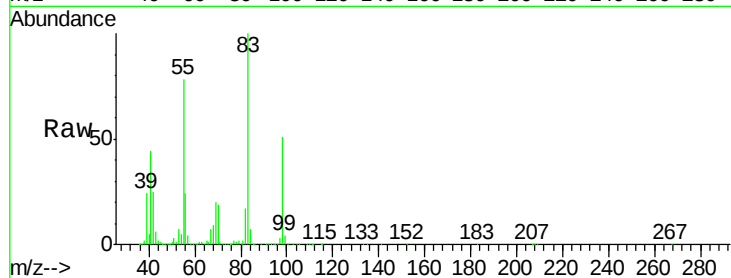




#39
Methvlcvclohexane
Concen: 18.705 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

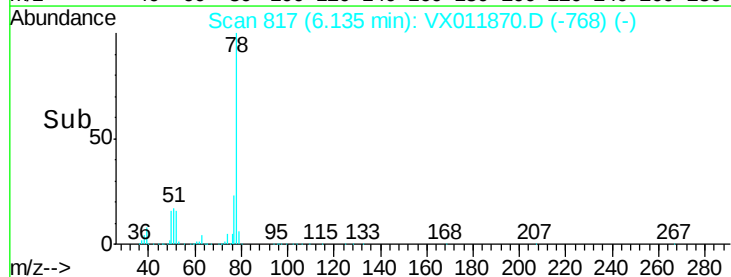
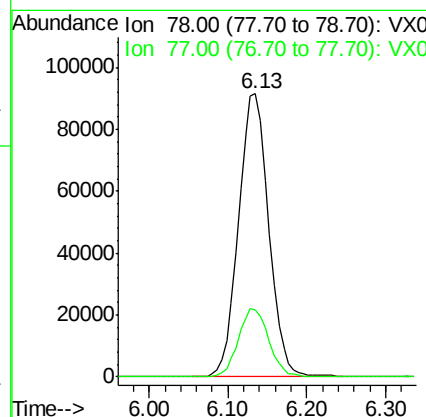
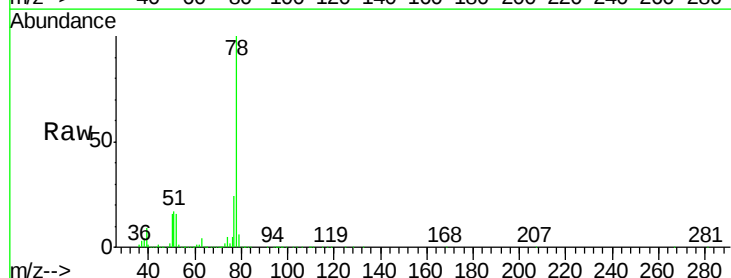
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

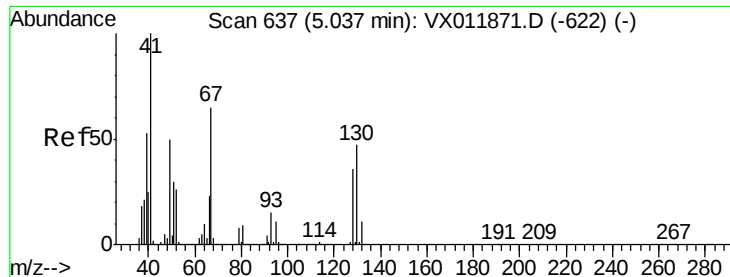
Tot Ion: 83 Resp: 109222
Ion Ratio Lower Upper
83 100
55 77.7 62.1 93.1
98 50.6 40.6 61.0



#40
Benzene
Concen: 17.872 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 78 Resp: 243585
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#41

Methacrylonitrile

Concen: 11.646 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 23983

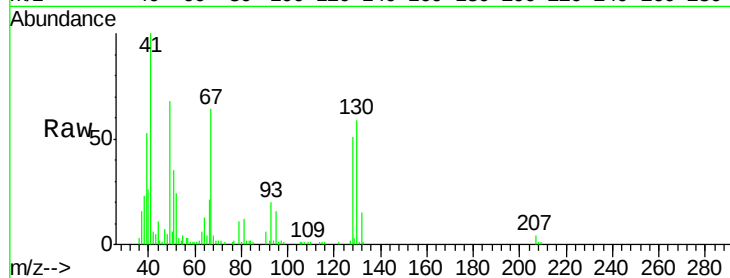
Ion Ratio Lower Upper

41 100

39 58.2 44.5 66.7

67 70.8 55.0 82.4

52 28.5 23.3 34.9

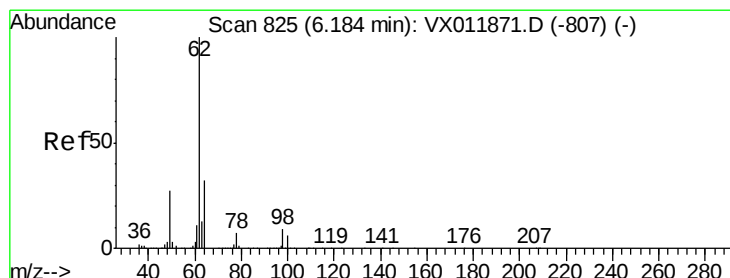
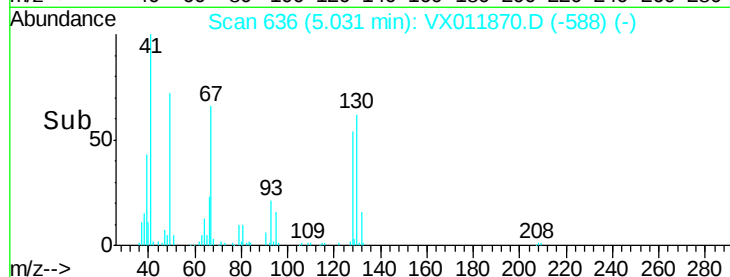
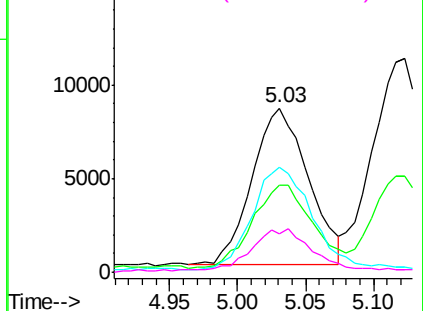


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.896 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX011870.D

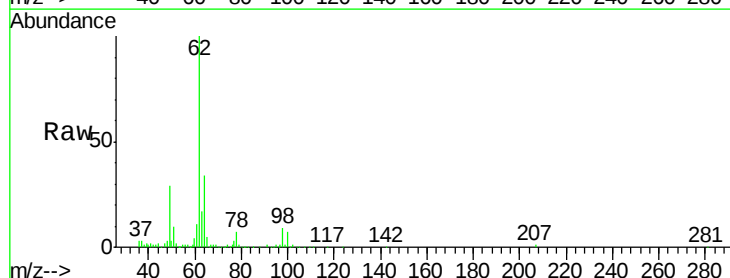
Acq: 28 Aug 2019 11:35

Tgt Ion: 62 Resp: 77786

Ion Ratio Lower Upper

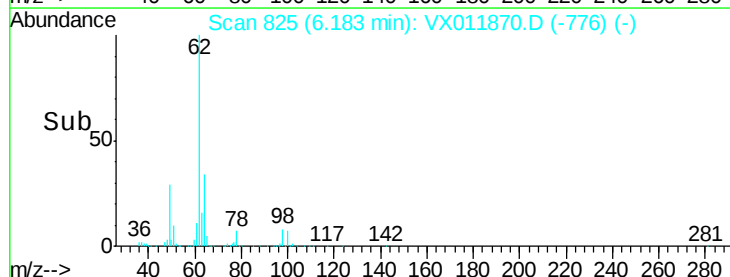
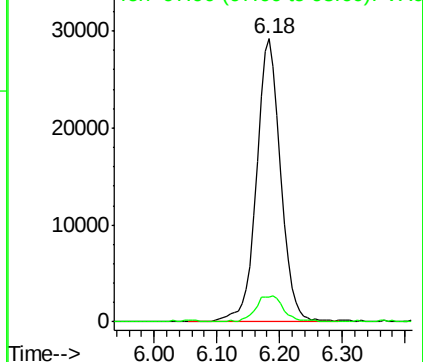
62 100

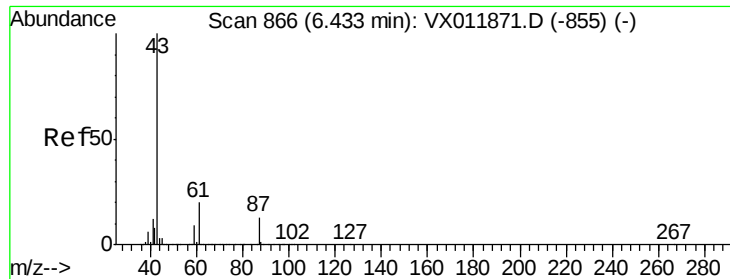
98 10.5 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

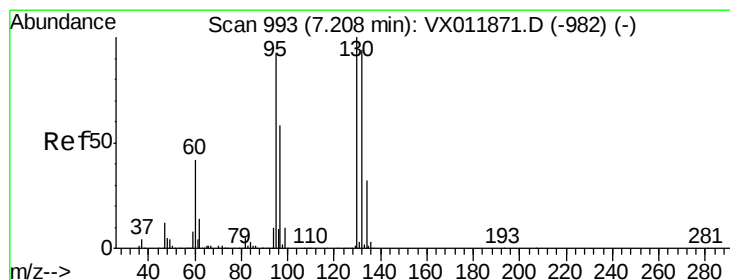
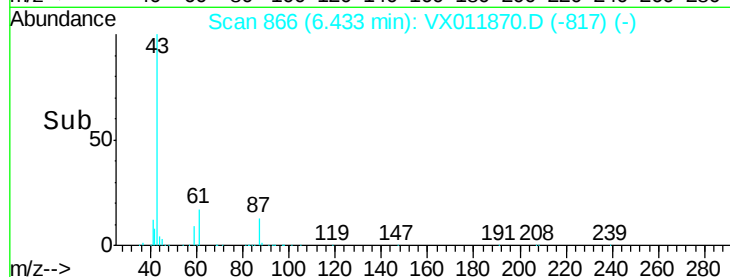
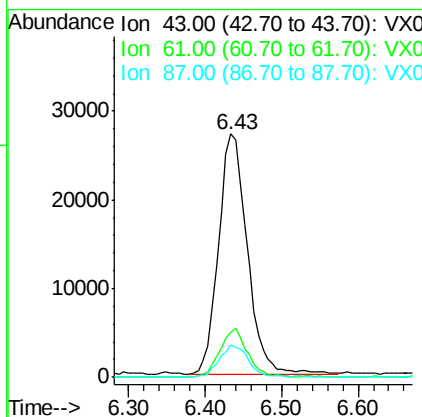
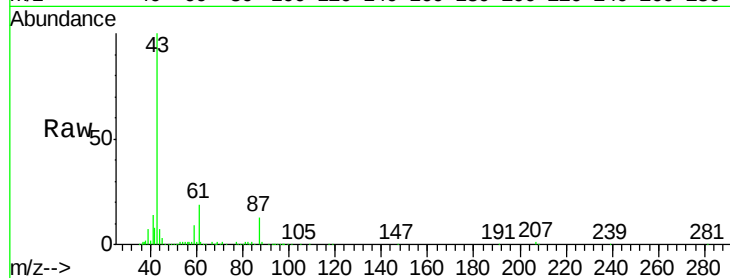




#43
Isopropyl Acetate
Concen: 12.177 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

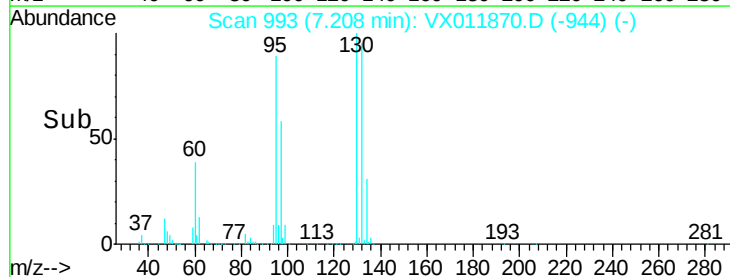
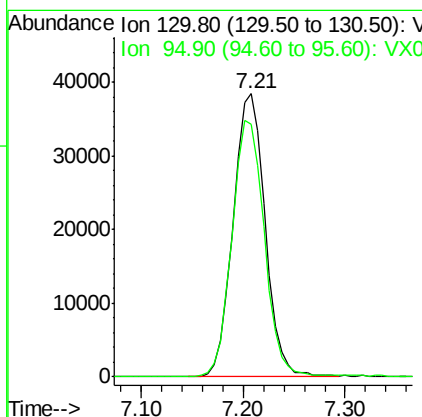
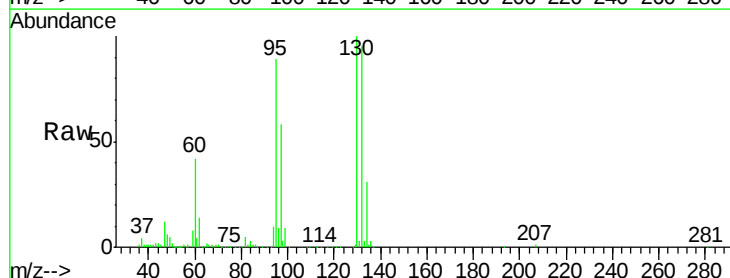
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

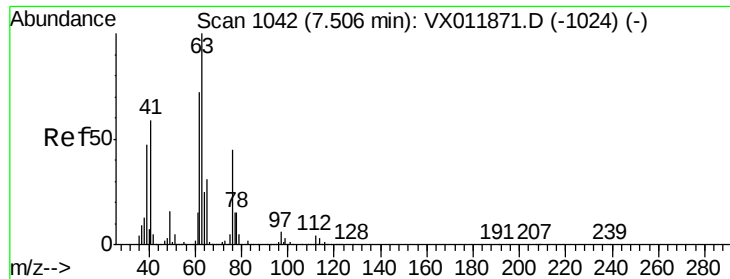
Tot Ion: 43 Resp: 70883
Ion Ratio Lower Upper
43 100
61 19.7 15.6 23.4
87 13.5 10.6 15.8



#44
Trichloroethene
Concen: 21.461 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 130 Resp: 83440
Ion Ratio Lower Upper
130 100
95 89.0 0.0 184.0

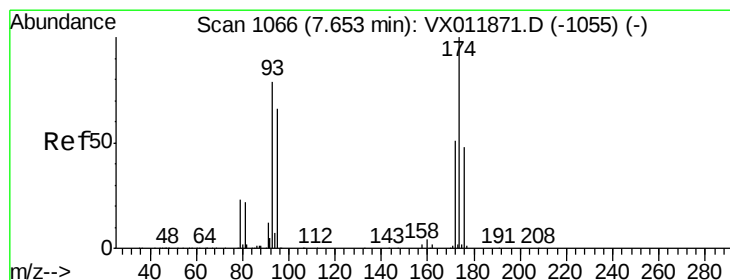
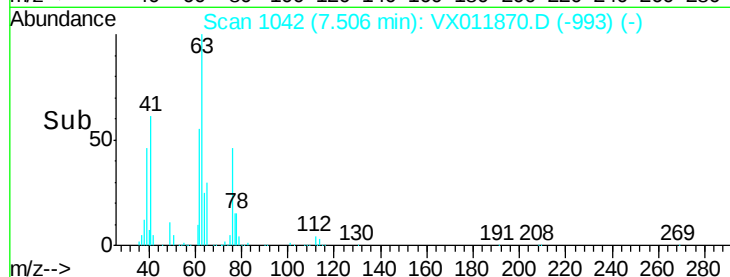
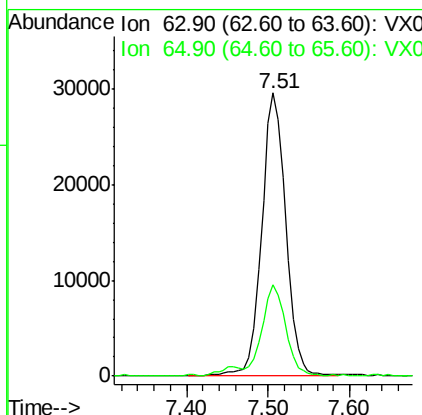
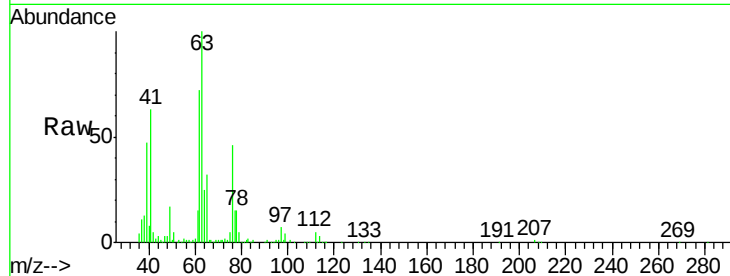




#45
 1,2-Dichloropropane
 Concen: 18.291 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

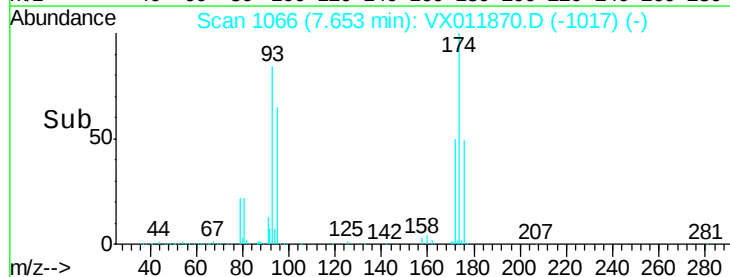
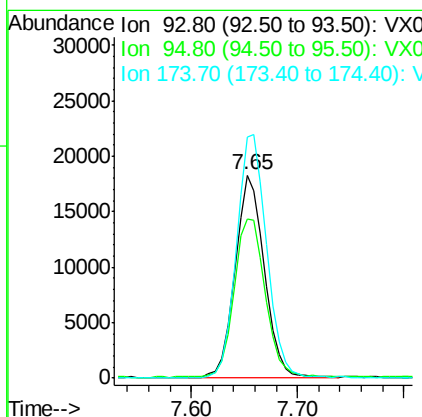
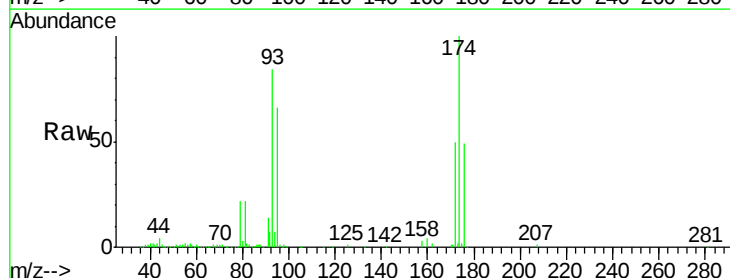
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

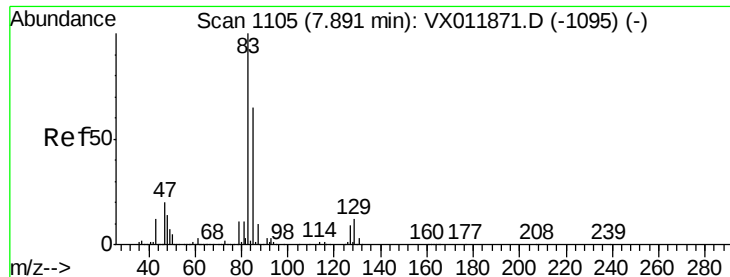
Tot Ion: 63 Resp: 61305
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.5 36.7



#46
 Dibromomethane
 Concen: 18.280 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion: 93 Resp: 35306
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.8
 174 123.7 100.2 150.4





#47

Bromodichloromethane

Concen: 22.026 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

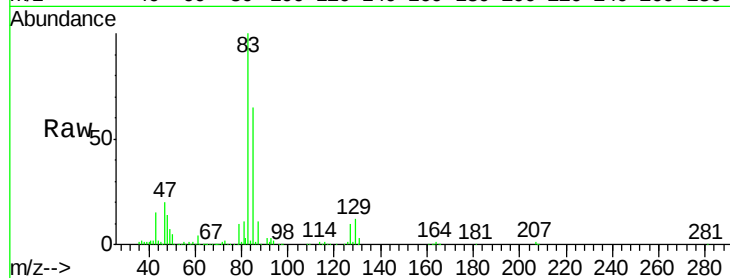
Tot Ion: 83 Resp: 84777

Ion Ratio Lower Upper

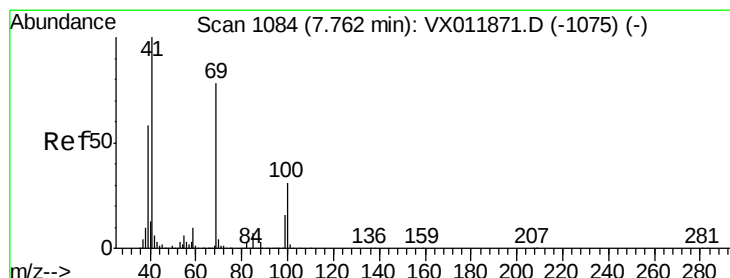
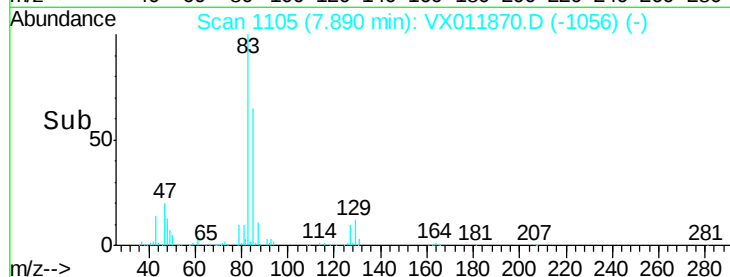
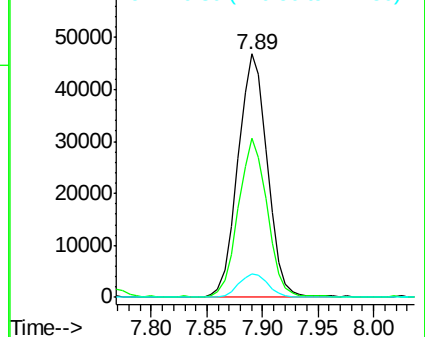
83 100

85 65.4 51.8 77.8

127 9.6 7.4 11.2



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: 12.111 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

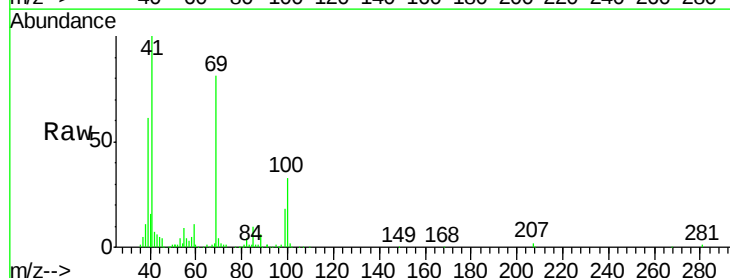
Tgt Ion: 41 Resp: 35361

Ion Ratio Lower Upper

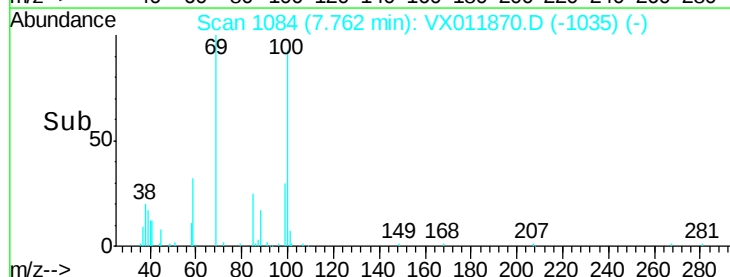
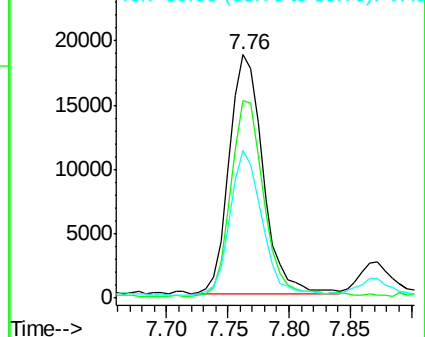
41 100

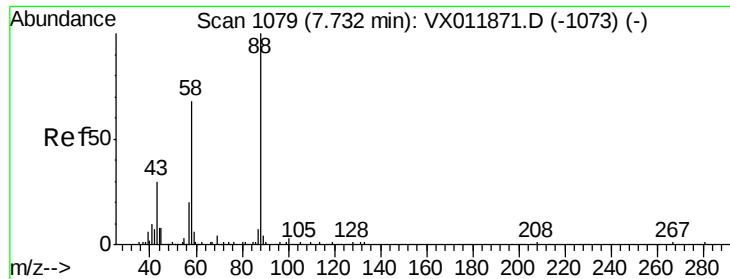
69 80.7 63.0 94.4

39 57.4 46.1 69.1



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

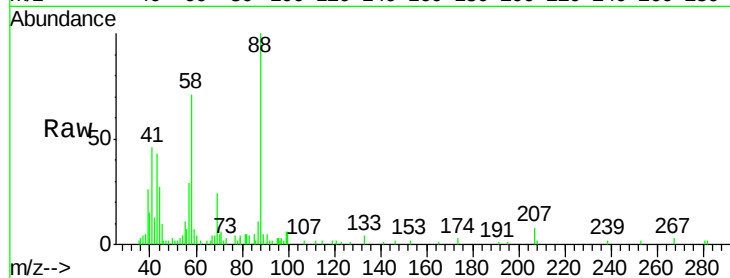




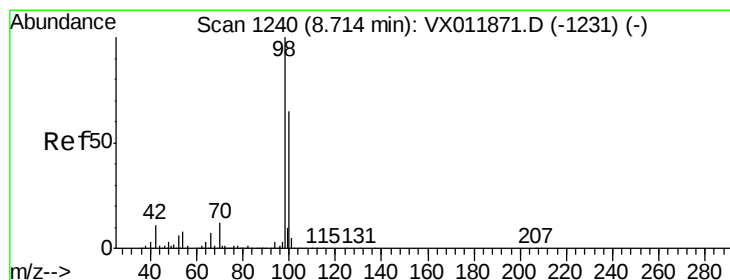
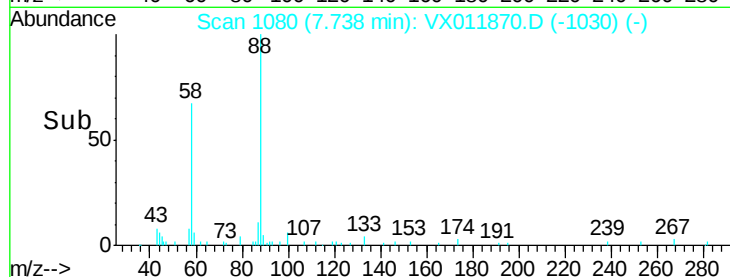
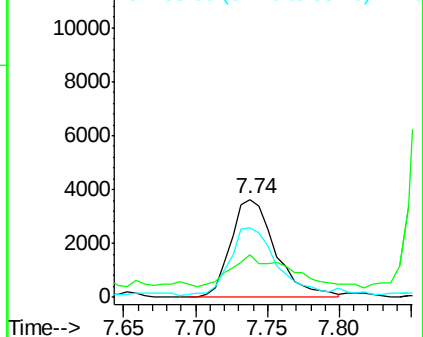
#49
 1,4-Dioxane
 Concen: 133.801 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	33.2	49.8
58	72.5	58.2	87.4

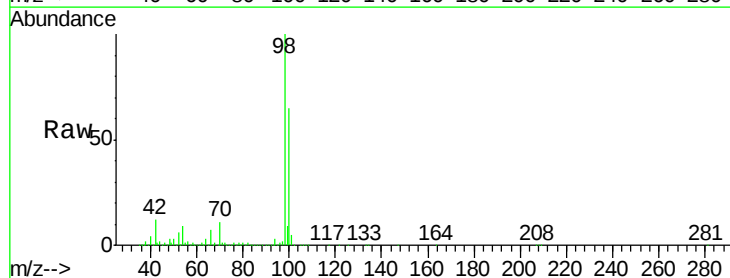


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

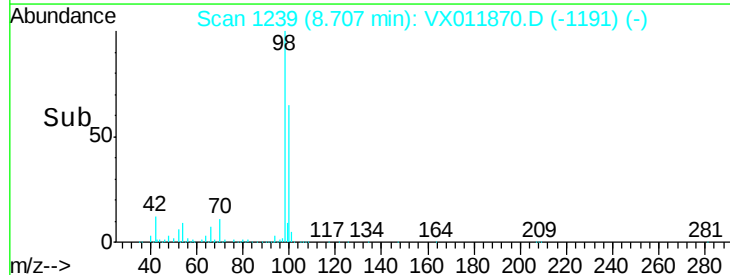
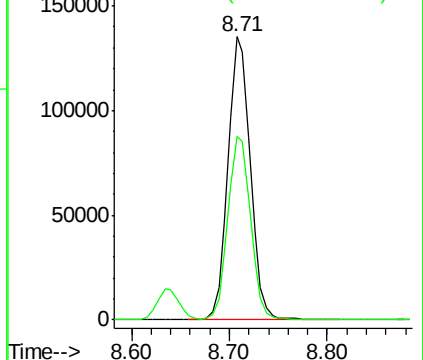


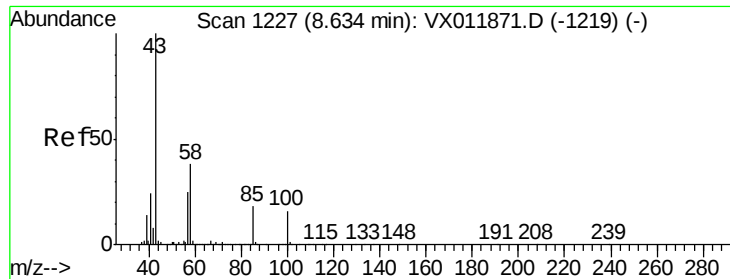
#50
 Toluene-d8
 Concen: 17.119 ug/l
 RT: 8.71 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3



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

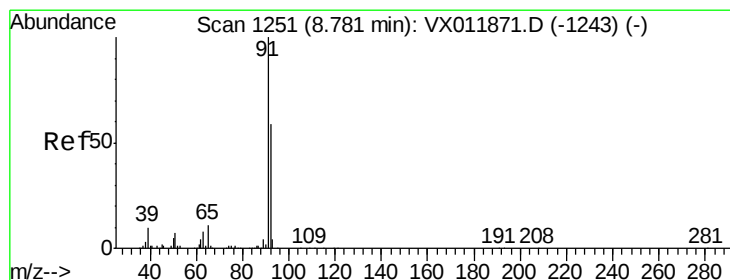
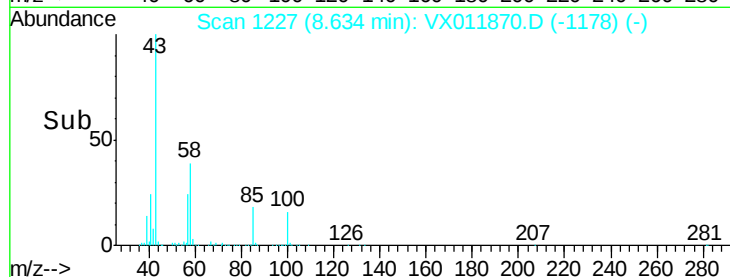
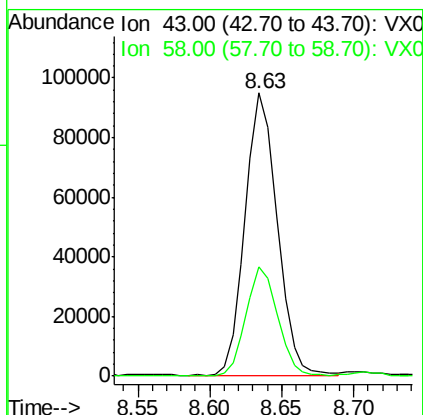
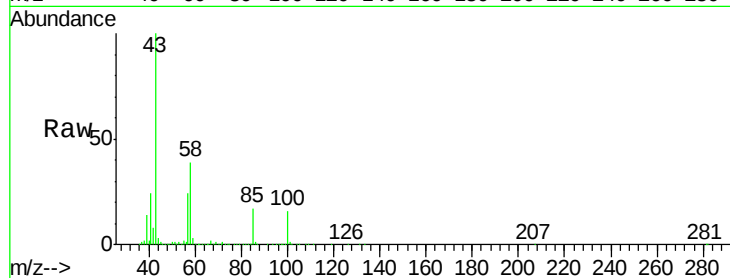




#51
4-Methyl-2-Pentanone
Concen: 40.895 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

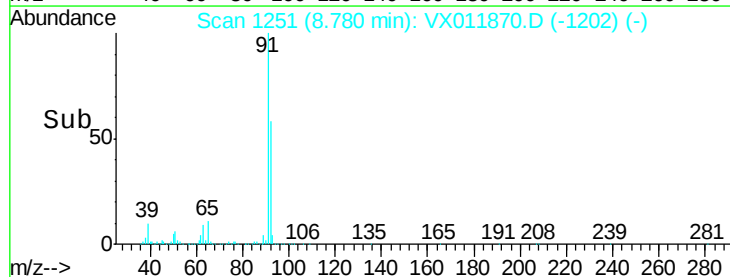
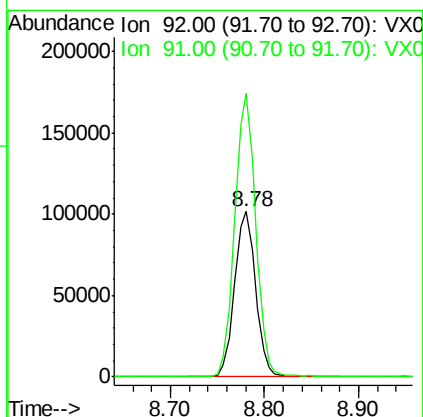
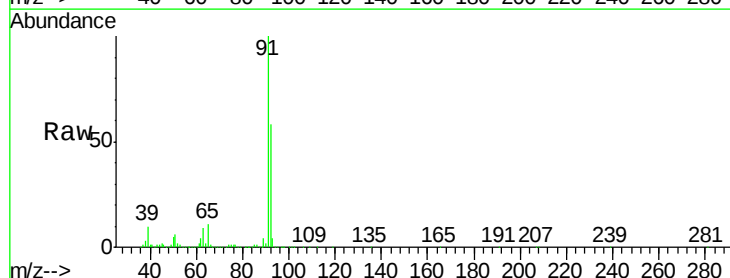
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

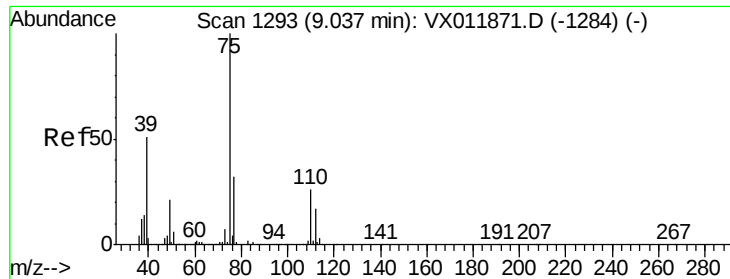
Tot Ion: 43 Resp: 146294
Ion Ratio Lower Upper
43 100
58 38.2 30.8 46.2



#52
Toluene
Concen: 18.616 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 92 Resp: 158269
Ion Ratio Lower Upper
92 100
91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 16.101 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

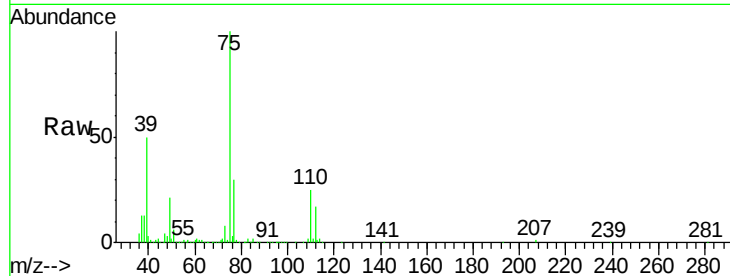
VSTDIC020

Tot Ion: 75 Resp: 70778

Ion Ratio Lower Upper

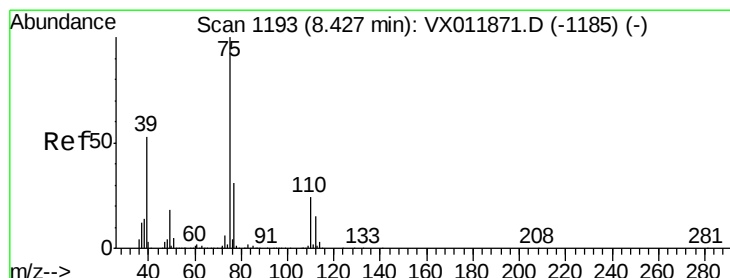
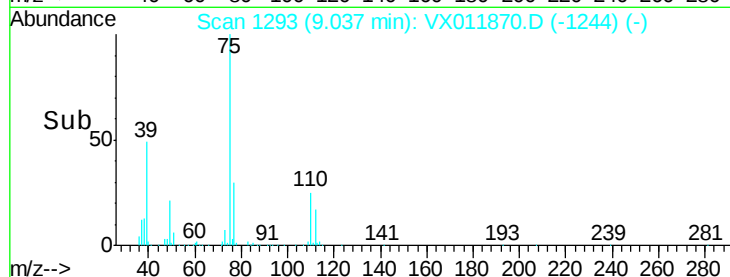
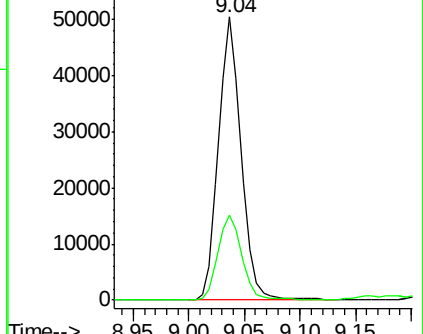
75 100

77 30.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.564 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.01 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

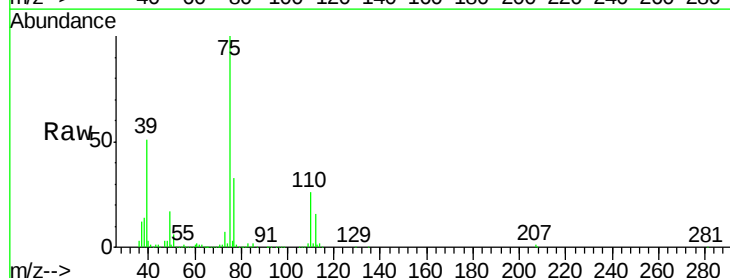
Tgt Ion: 75 Resp: 90965

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

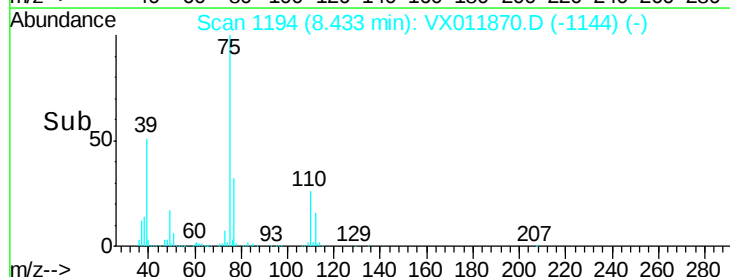
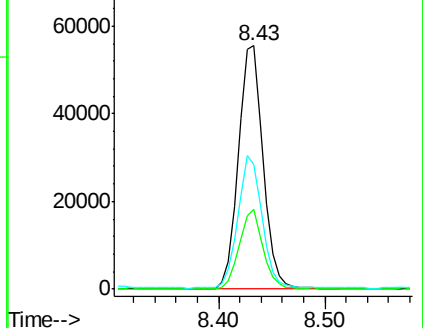
39 50.6 42.2 63.4

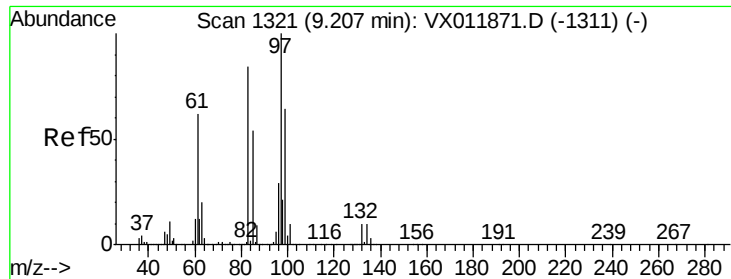


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

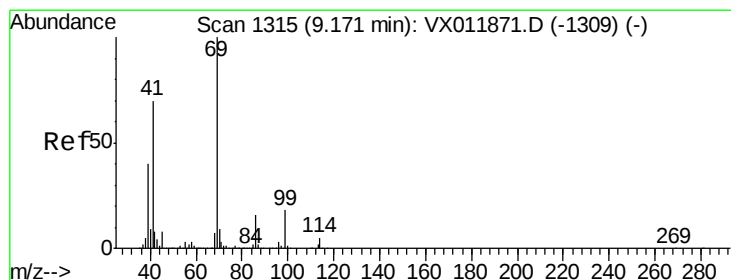
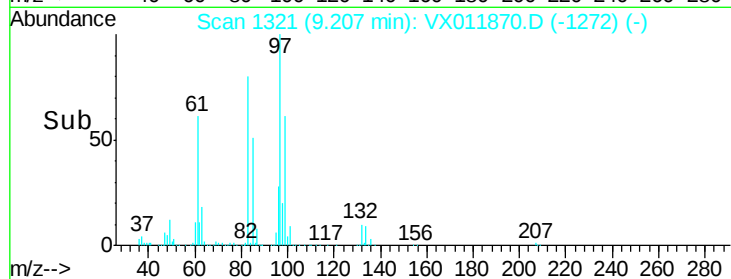
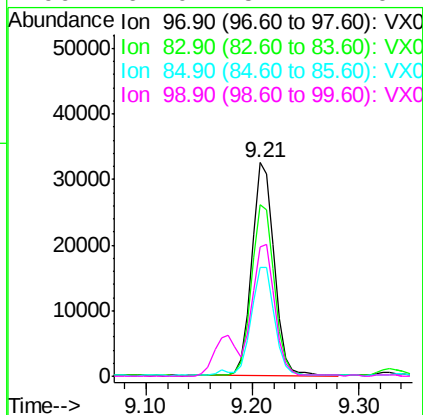
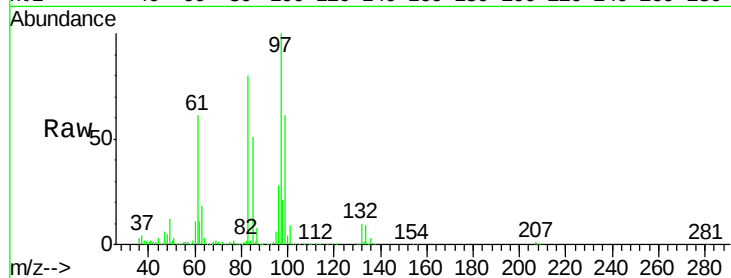




#55
 1,1,2-Trichloroethane
 Concen: 16.430 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

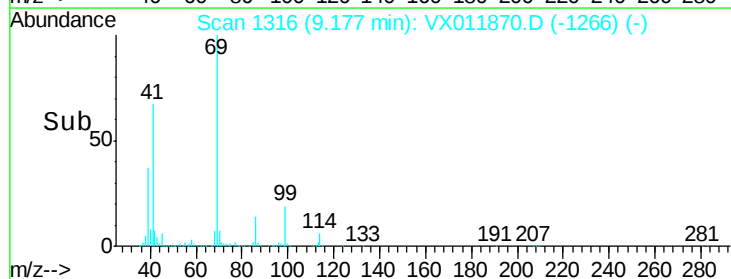
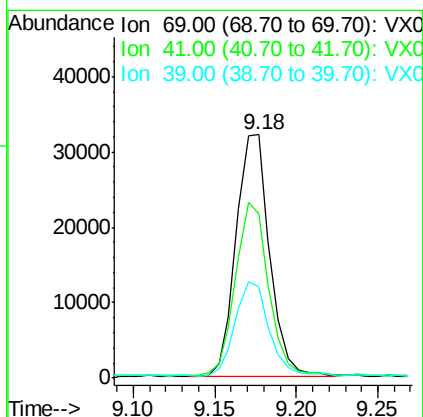
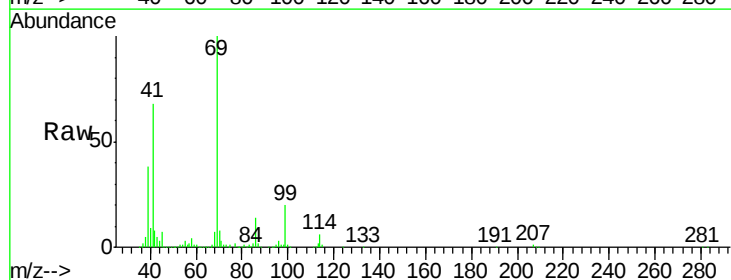
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

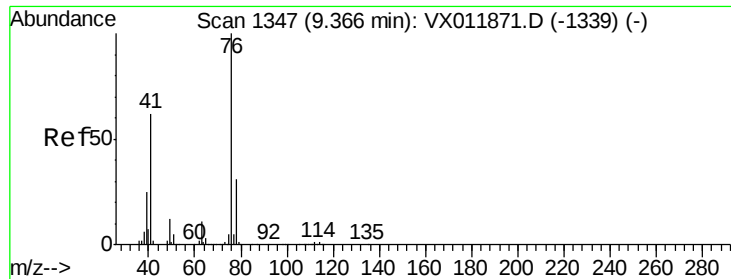
Tot Ion:	97	Resp:	48074
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.6	101.4
85	50.7	42.9	64.3
99	61.0	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 11.494 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion:	69	Resp:	46195
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.9	83.9
39	39.8	31.9	47.9





#57

1,3-Dichloropropane

Concen: 15.881 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

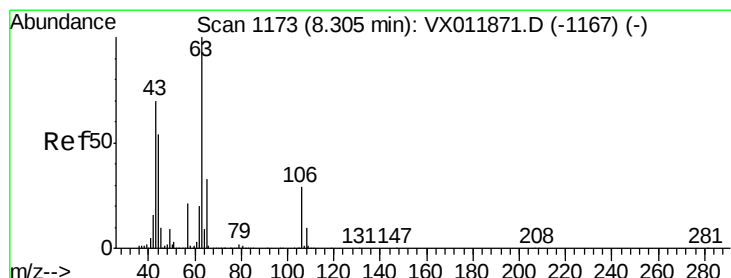
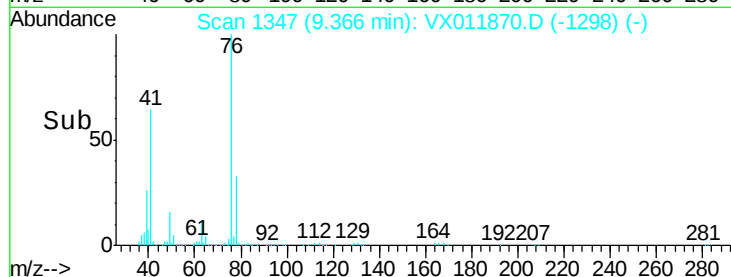
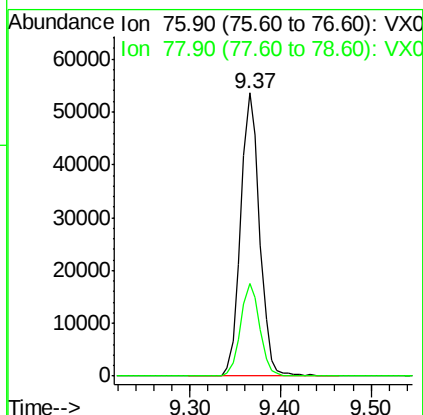
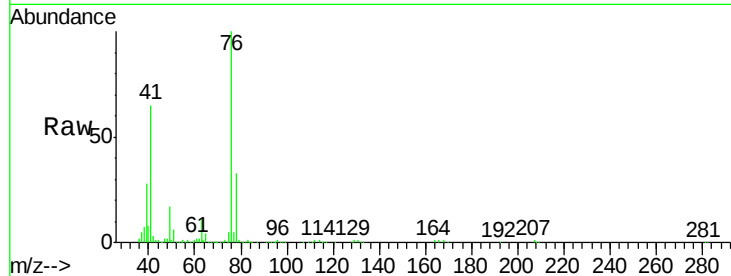
VSTDIC020

Tot Ion: 76 Resp: 78001

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 18.984 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011870.D

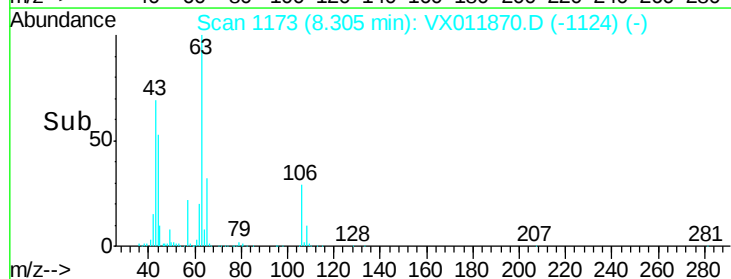
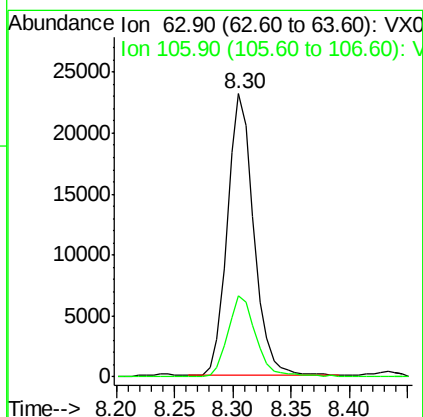
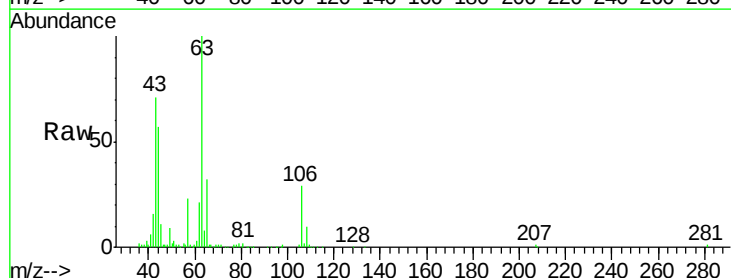
Acq: 28 Aug 2019 11:35

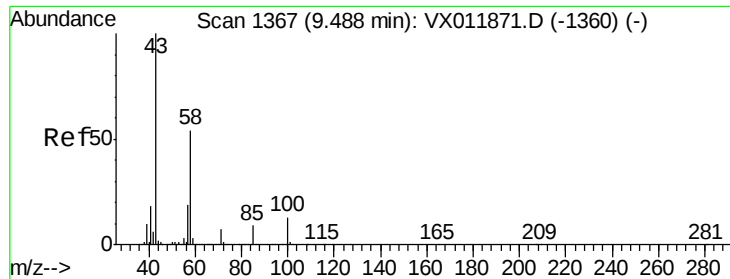
Tgt Ion: 63 Resp: 36501

Ion Ratio Lower Upper

63 100

106 31.0 24.6 36.8

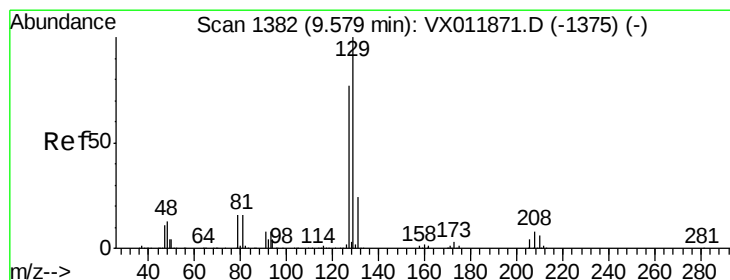
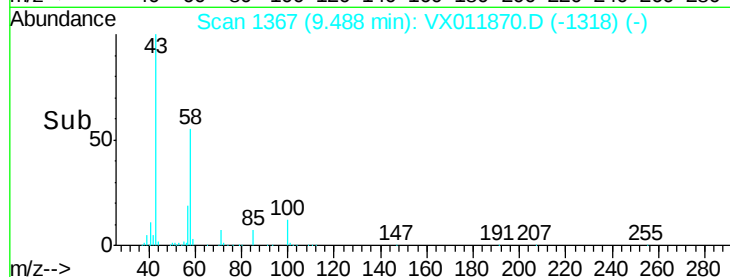
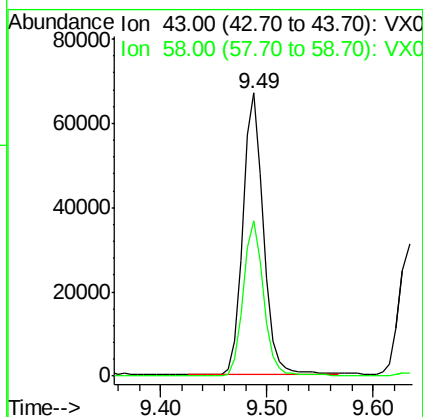
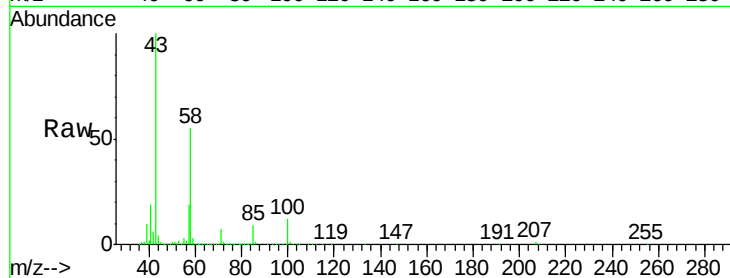




#59
2-Hexanone
Concen: 33.309 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

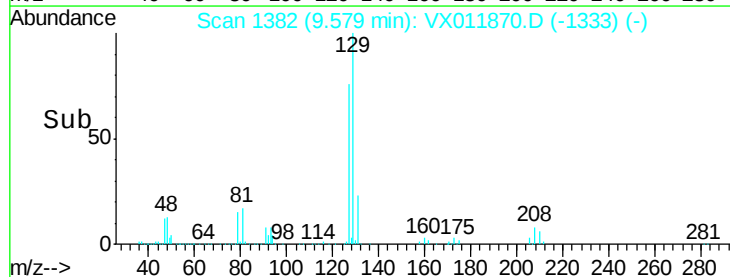
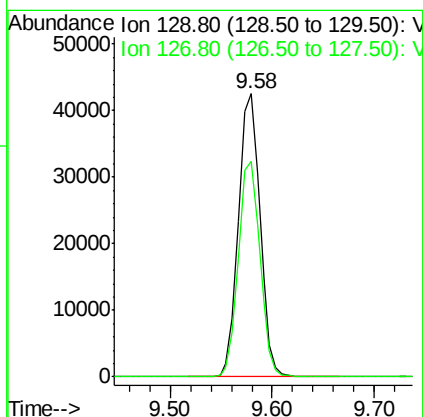
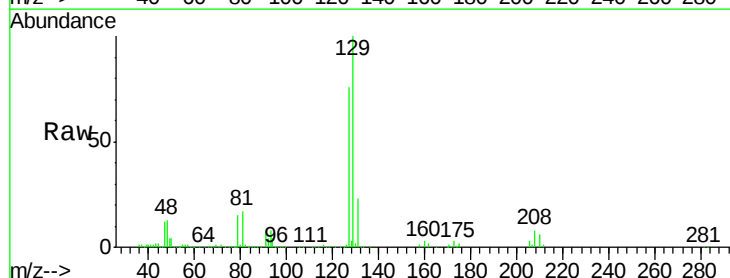
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

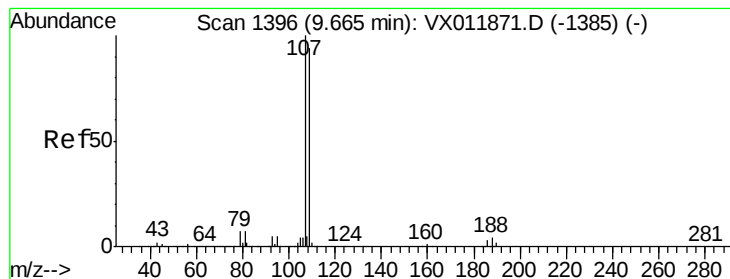
Tot Ion: 43 Resp: 90775
Ion Ratio Lower Upper
43 100
58 54.4 26.7 80.1



#60
Dibromochloromethane
Concen: 21.138 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 129 Resp: 62288
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 15.309 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

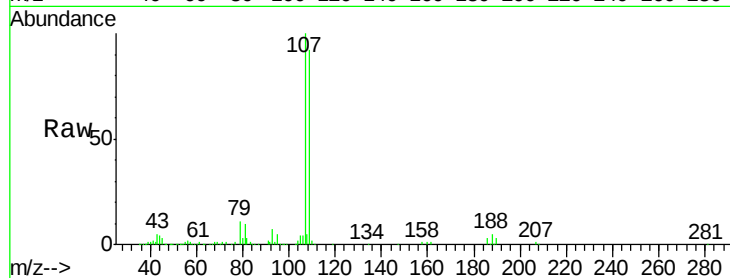
VSTDIC020

Tot Ion:107 Resp: 45735

Ion Ratio Lower Upper

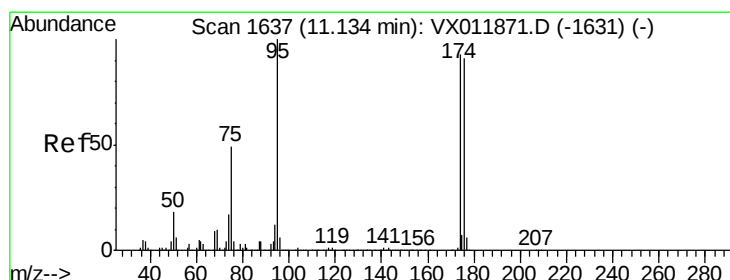
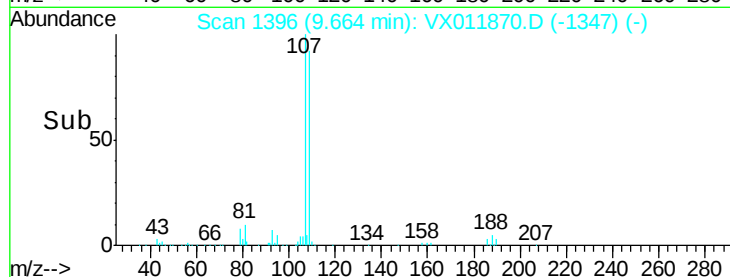
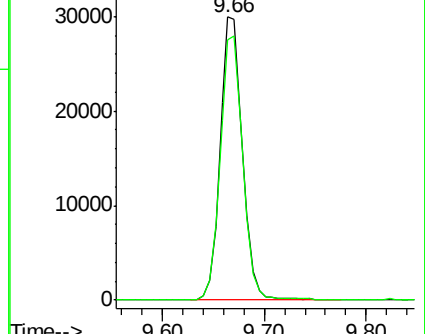
107 100

109 95.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.170 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

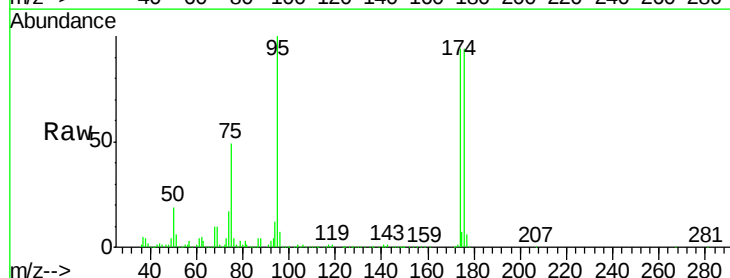
Tgt Ion: 95 Resp: 97319

Ion Ratio Lower Upper

95 100

174 93.1 0.0 189.2

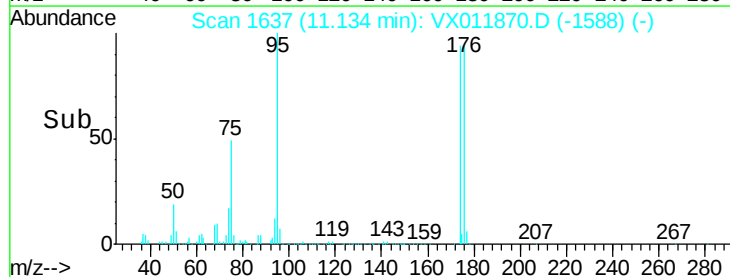
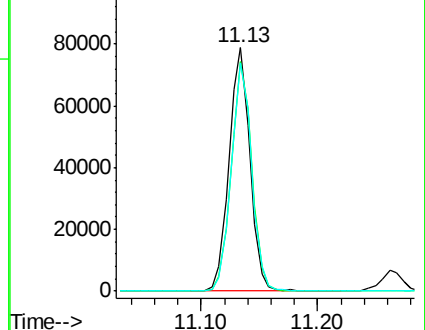
176 92.3 0.0 185.6

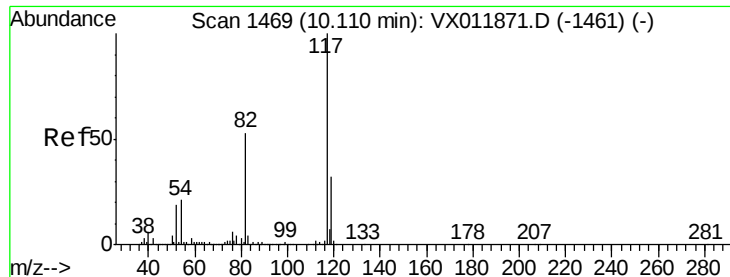


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

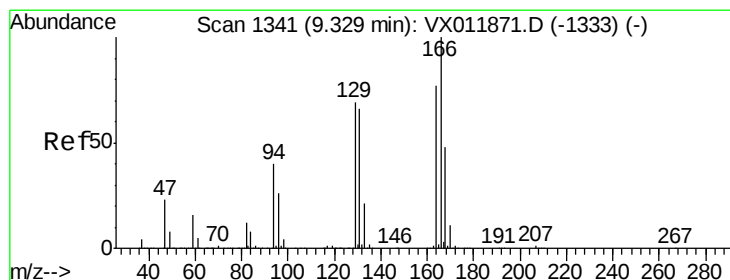
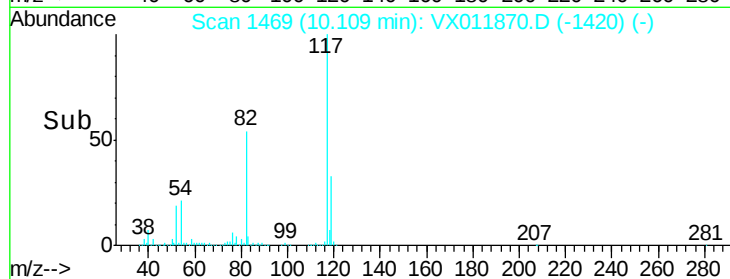
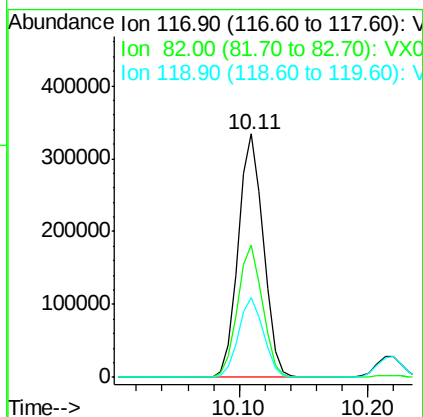
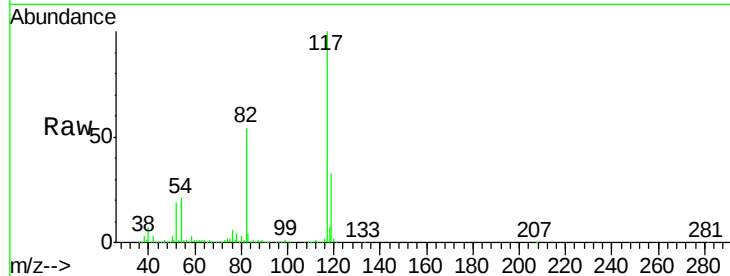




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

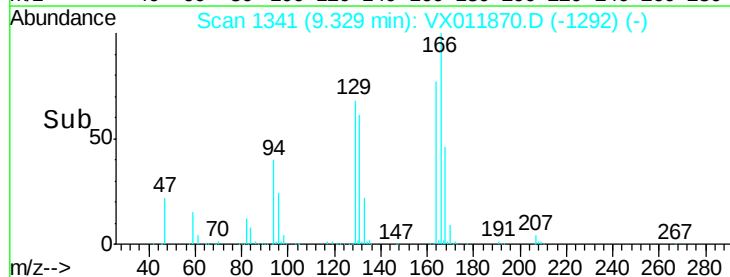
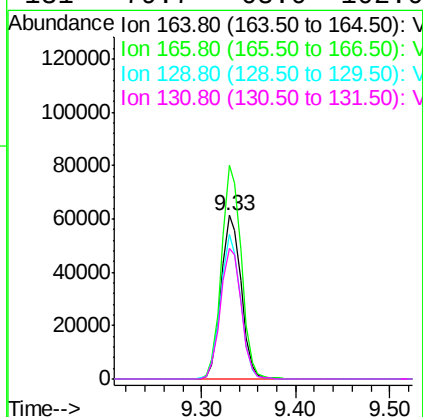
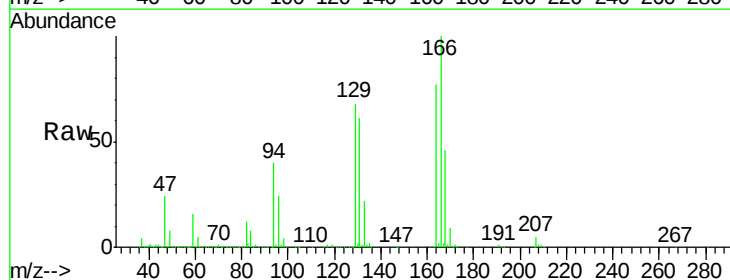
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

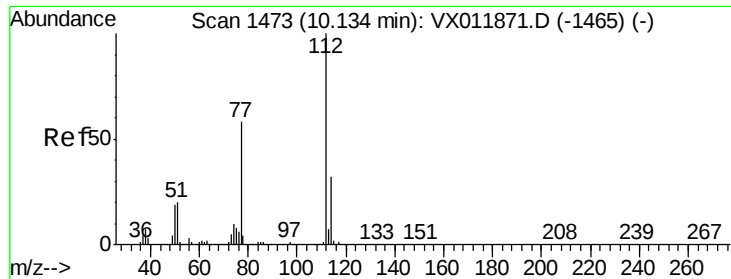
Tot Ion:117 Resp: 451888
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 25.607 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion:164 Resp: 90954
Ion Ratio Lower Upper
164 100
166 130.4 103.6 155.4
129 88.6 71.4 107.2
131 79.7 68.0 102.0





#65

Chlorobenzene

Concen: 18.146 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

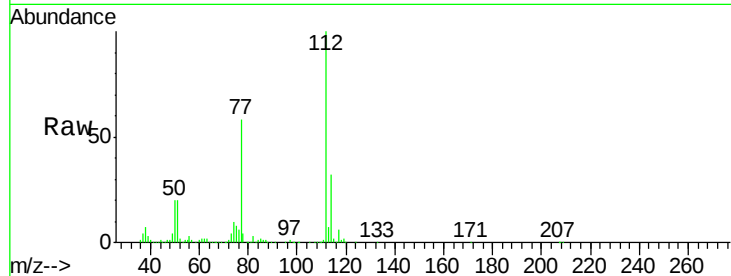
VSTDIC020

Tot Ion:112 Resp: 171358

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

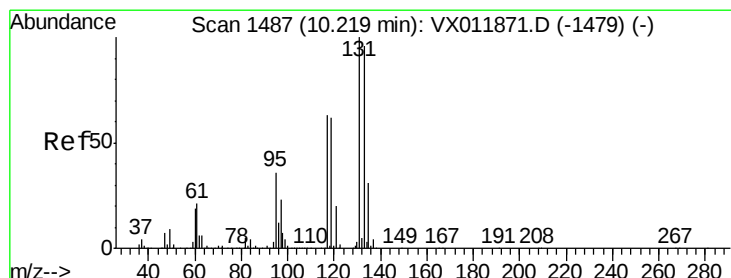
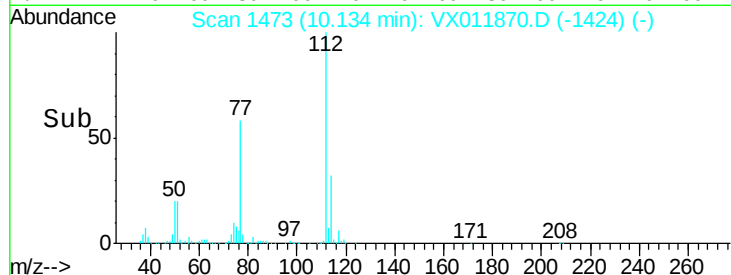
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.288 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

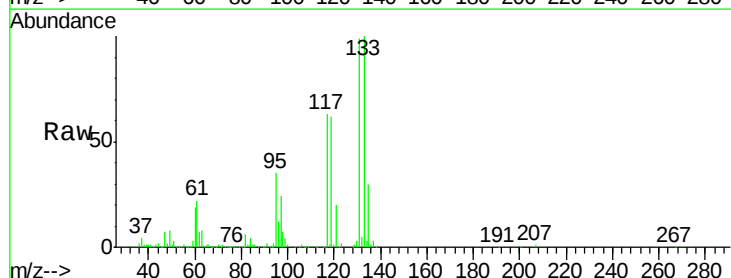
Tgt Ion:131 Resp: 62475

Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

119 62.2 31.1 93.5



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

10.22

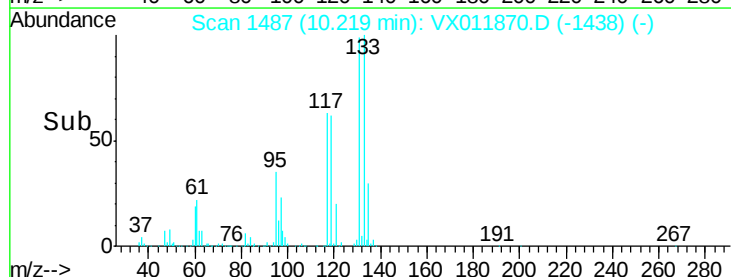
150000

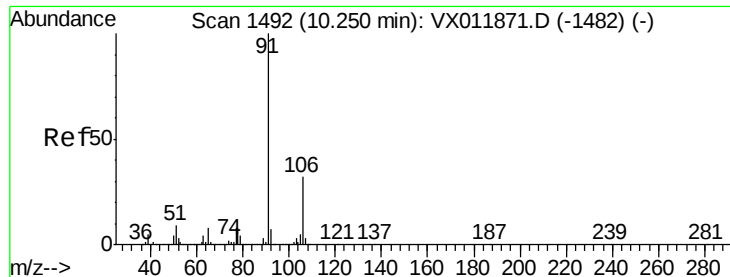
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 18.665 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

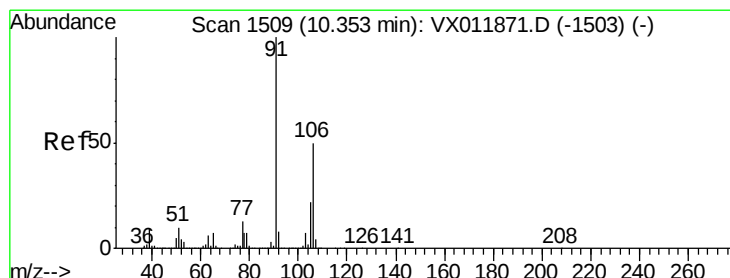
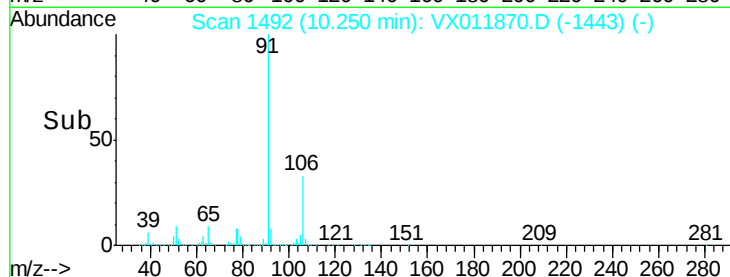
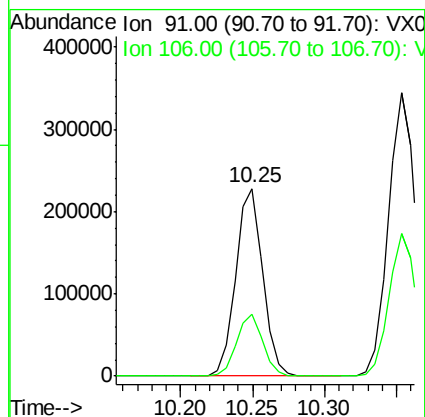
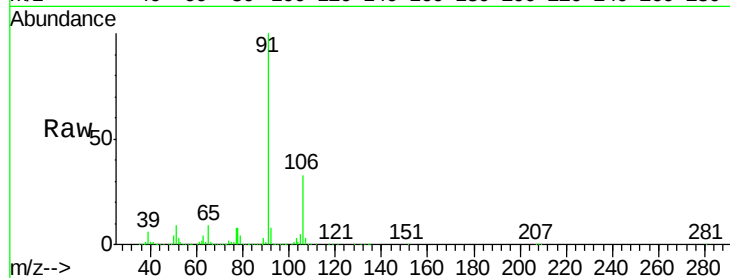
VSTDIC020

Tot Ion: 91 Resp: 297604

Ion Ratio Lower Upper

91 100

106 32.9 25.5 38.3



#68

m/p-Xylenes

Concen: 36.699 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011870.D

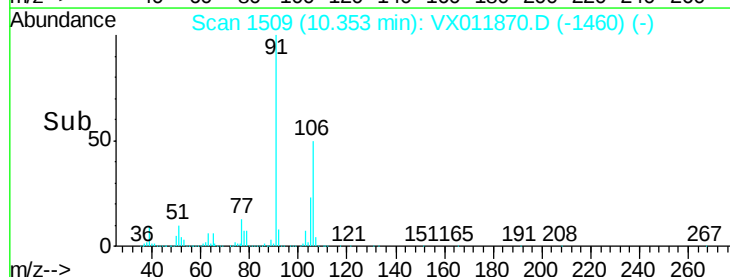
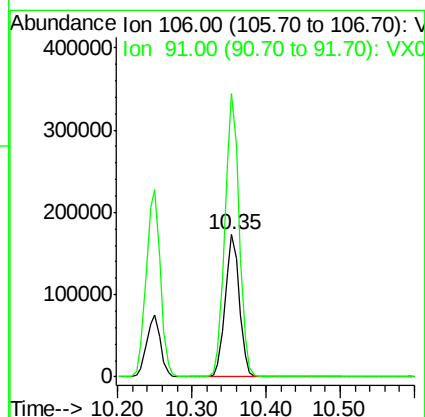
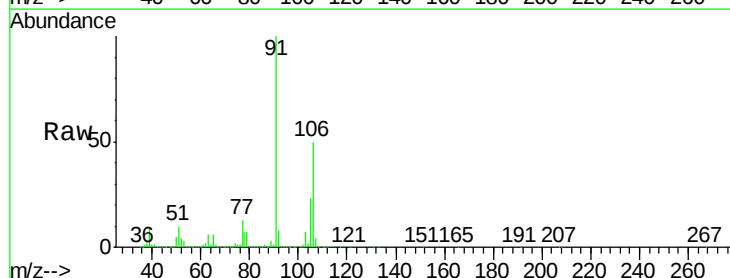
Acq: 28 Aug 2019 11:35

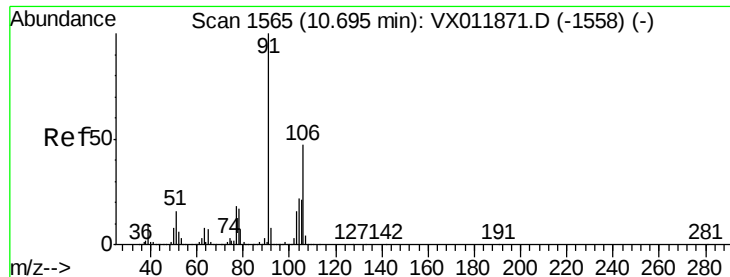
Tgt Ion: 106 Resp: 228908

Ion Ratio Lower Upper

106 100

91 199.8 158.9 238.3

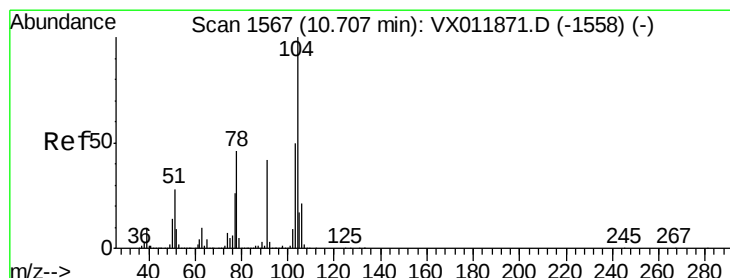
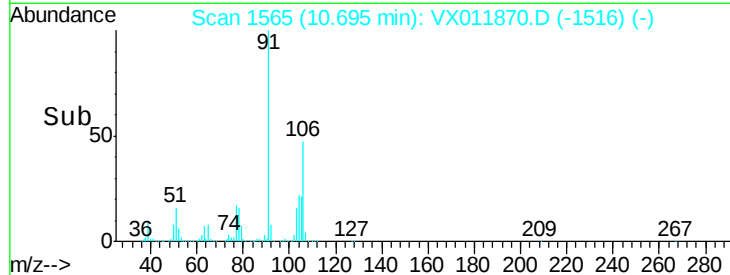
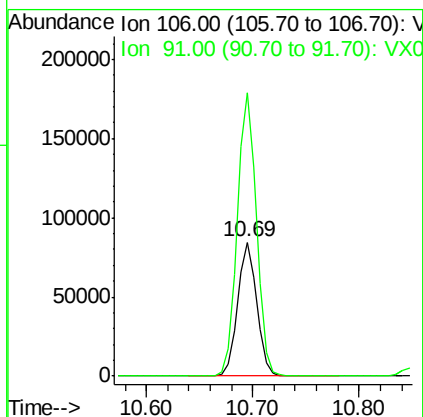
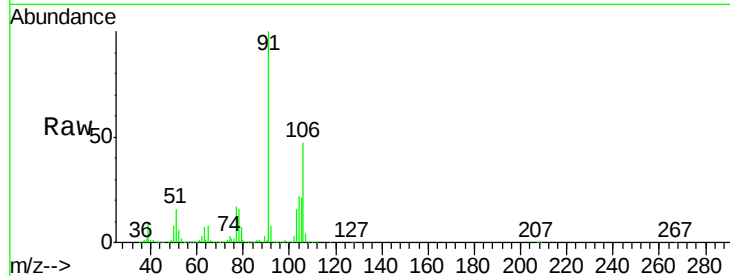




#69
o-Xylene
Concen: 18.377 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

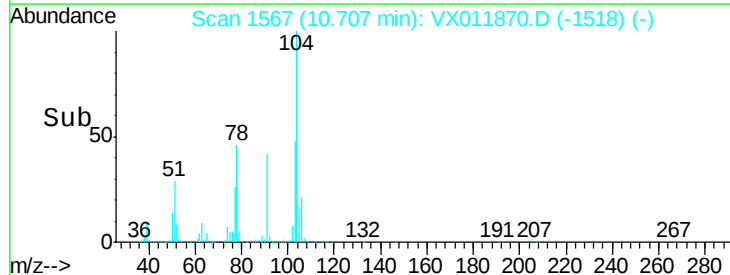
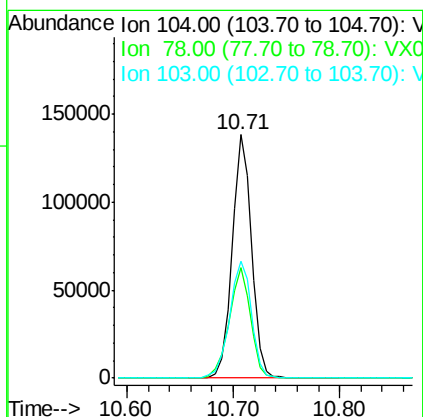
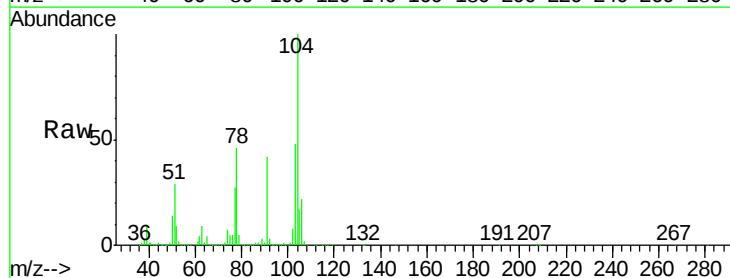
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

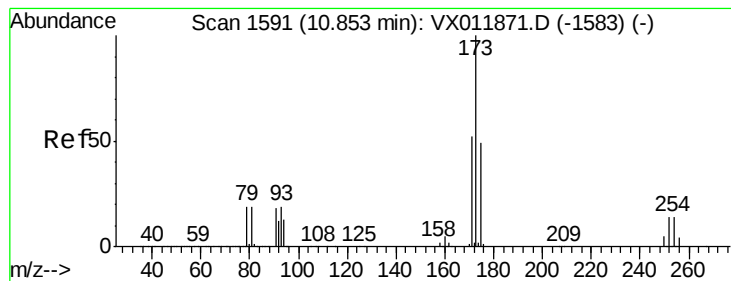
Tot Ion:106 Resp: 106435
Ion Ratio Lower Upper
106 100
91 211.9 105.6 316.8



#70
Styrene
Concen: 18.143 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion:104 Resp: 176779
Ion Ratio Lower Upper
104 100
78 49.9 40.4 60.6
103 54.5 43.5 65.3





#71

Bromoform

Concen: 18.977 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

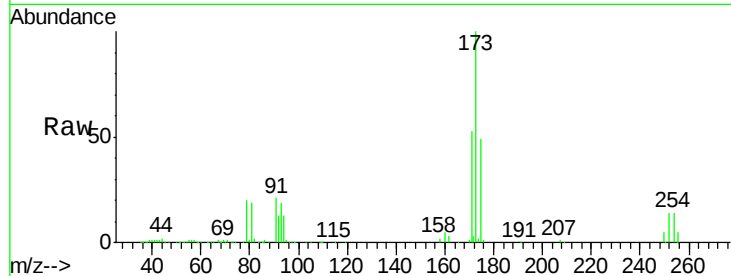
Tot Ion:173 Resp: 40180

Ion Ratio Lower Upper

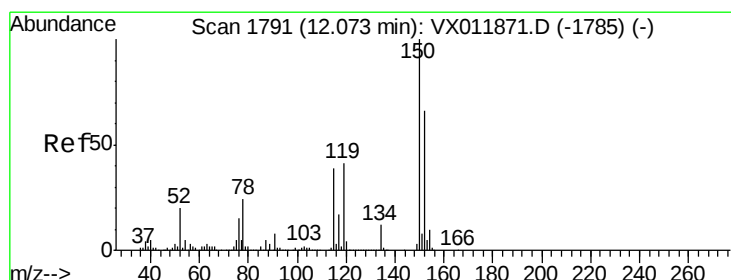
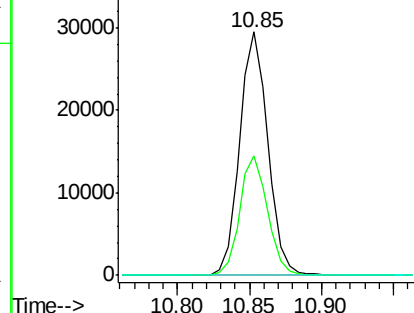
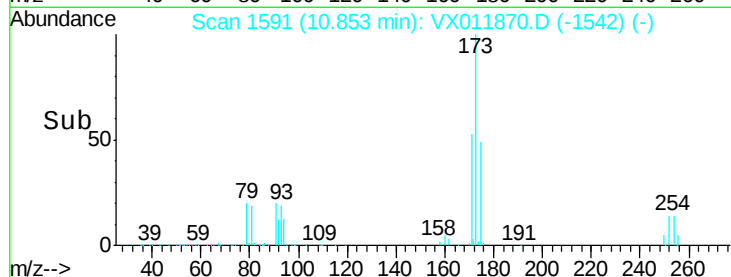
173 100

175 48.5 23.8 71.2

254 0.1 0.2 0.2#



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# 1791

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

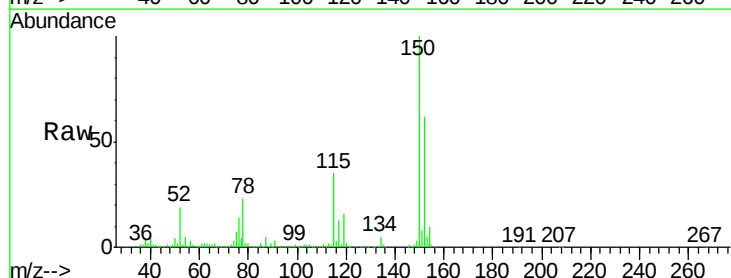
Tgt Ion:152 Resp: 237003

Ion Ratio Lower Upper

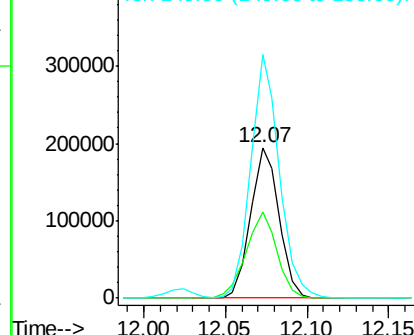
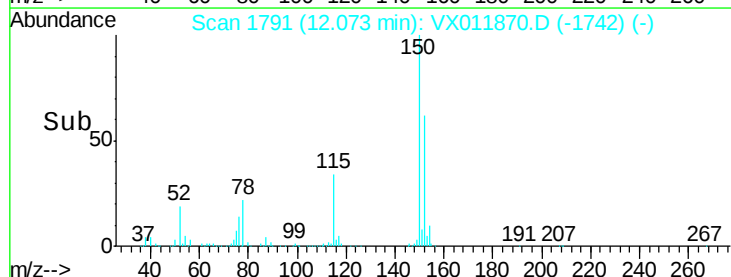
152 100

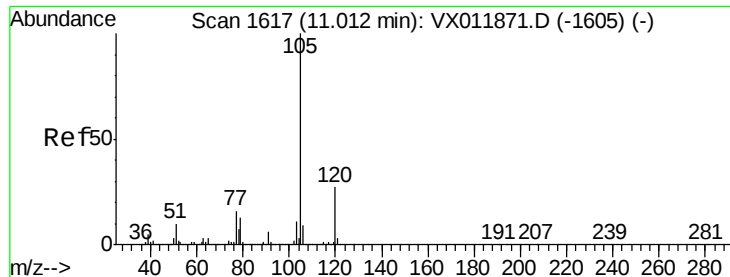
115 61.8 36.0 108.1

150 163.0 0.0 341.4



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: 19.052 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

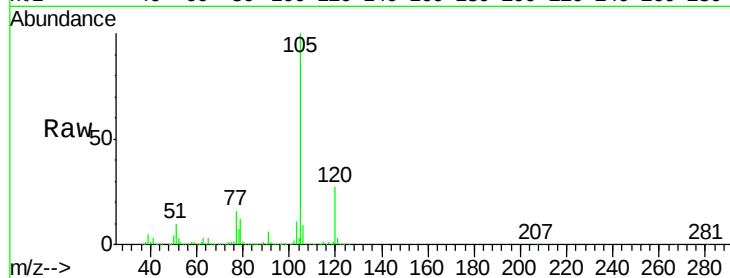
VSTDIC020

Tot Ion:105 Resp: 282683

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

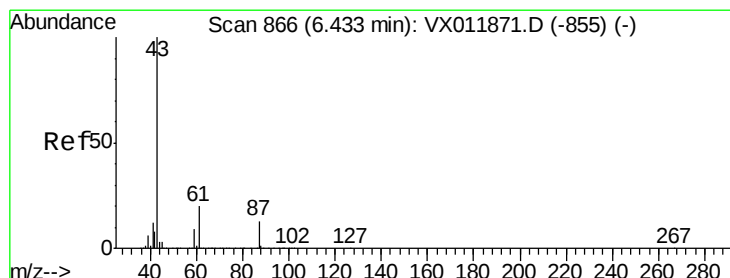
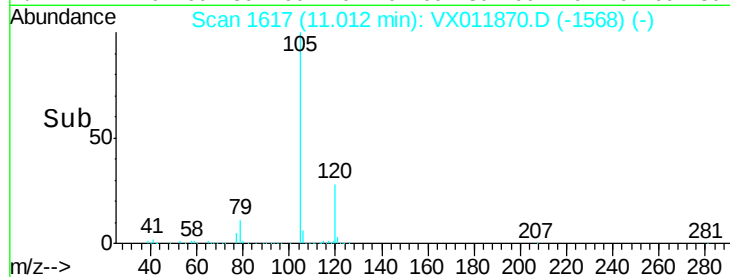
150000

100000

50000

0

Time--> 10.90 11.01 11.10



#74

N-ethyl acetate

Concen: 13.478 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Tgt Ion: 43 Resp: 70883

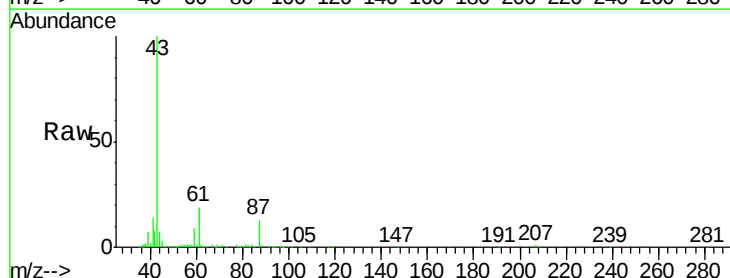
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 19.7 15.6 23.4



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

40000

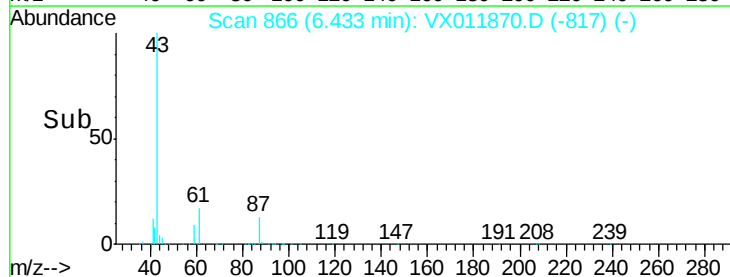
30000

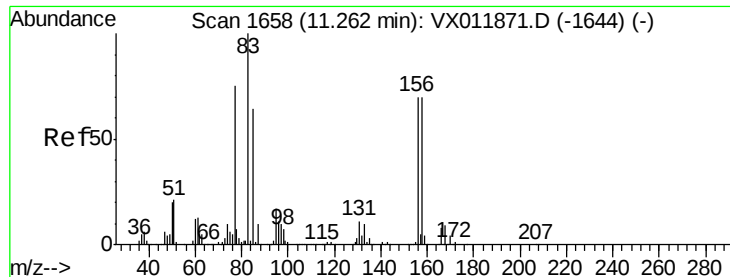
20000

10000

0

Time--> 6.30 6.43 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 12.263 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

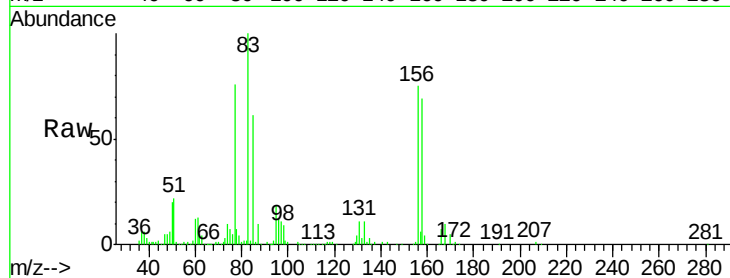
Tot Ion: 83 Resp: 47304

Ion Ratio Lower Upper

83 100

131 11.7 6.0 18.1

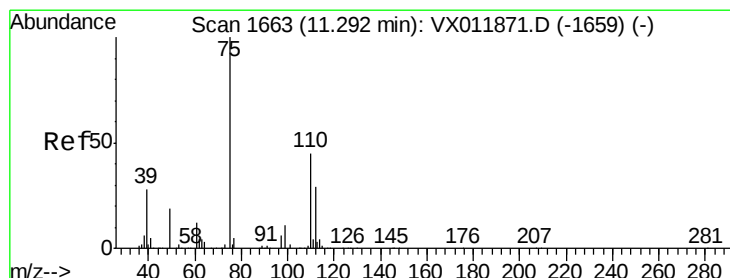
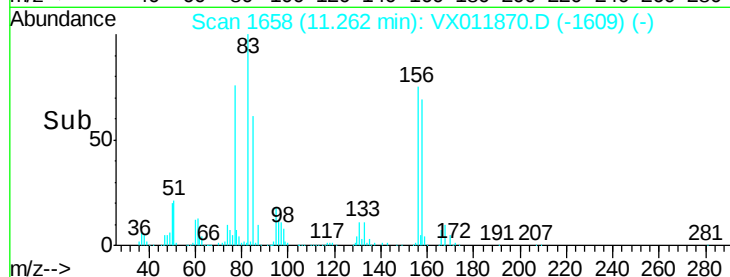
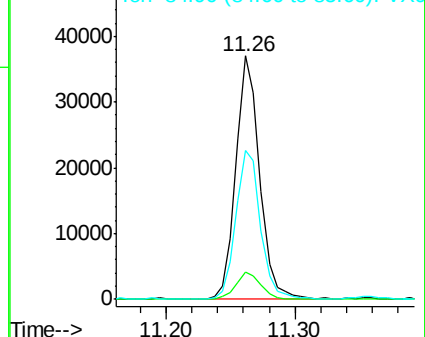
85 63.9 31.9 95.9



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: 11.270 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011870.D

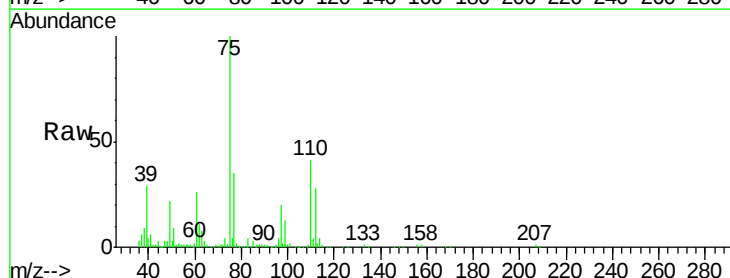
Acq: 28 Aug 2019 11:35

Tgt Ion: 75 Resp: 36817

Ion Ratio Lower Upper

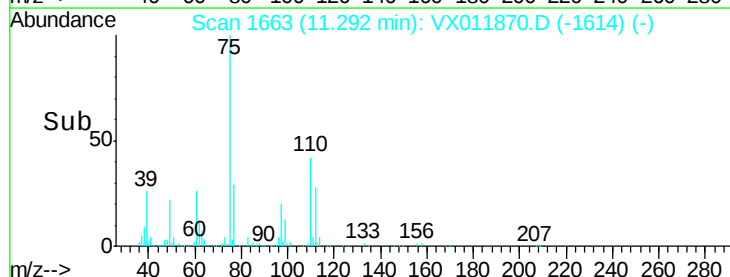
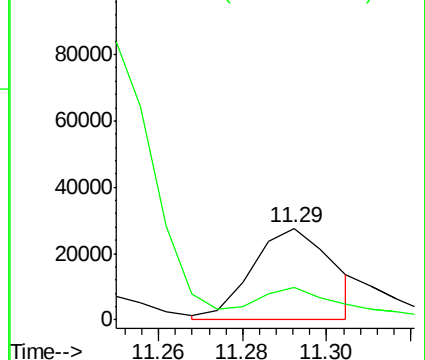
75 100

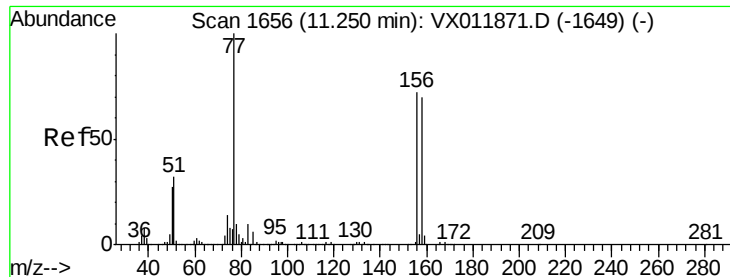
77 39.3 19.5 58.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.241 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

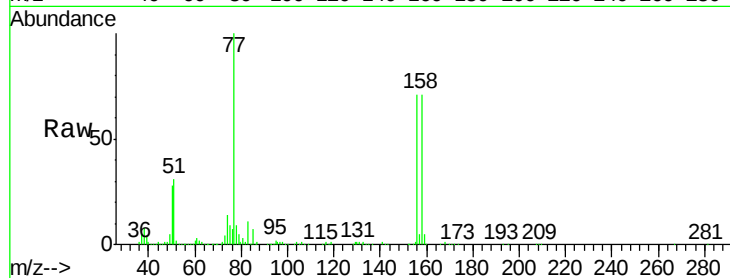
Tot Ion:156 Resp: 78294

Ion Ratio Lower Upper

156 100

77 137.4 69.4 208.2

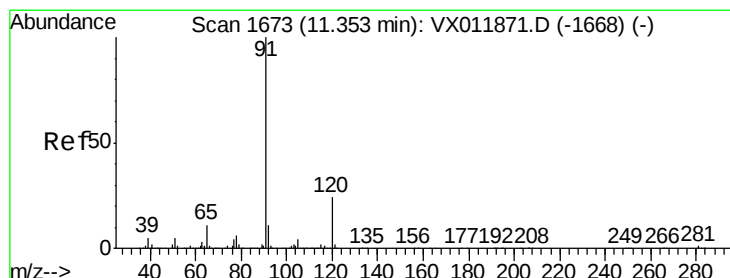
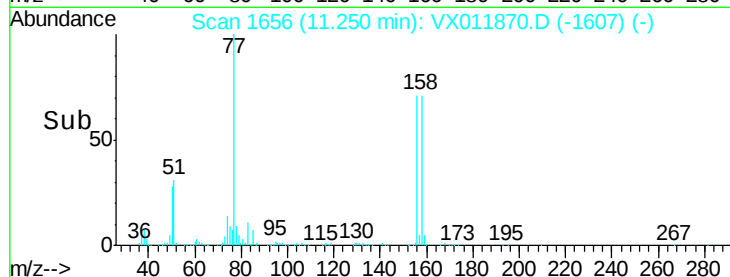
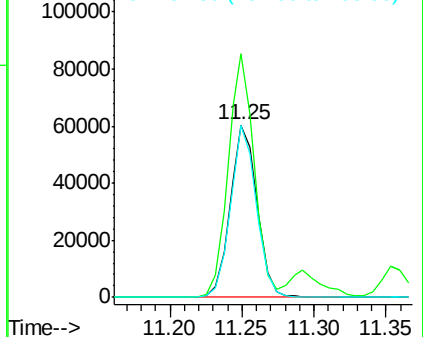
158 96.8 48.2 144.6



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: 17.193 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011870.D

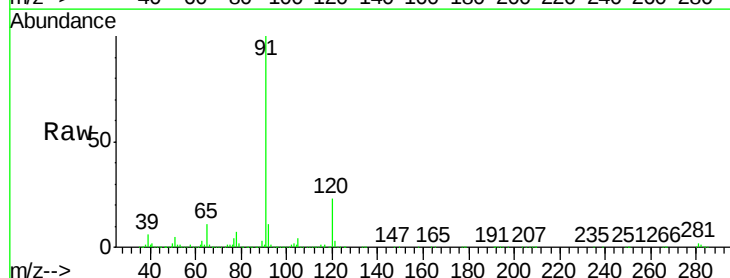
Acq: 28 Aug 2019 11:35

Tgt Ion: 91 Resp: 309037

Ion Ratio Lower Upper

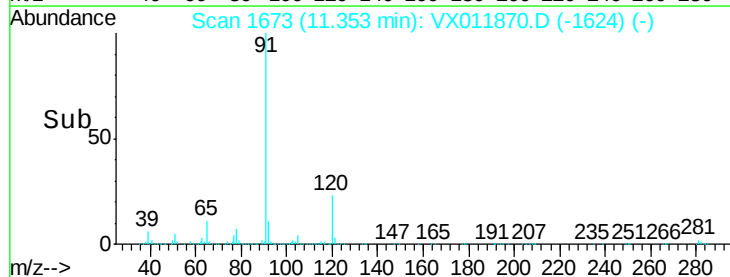
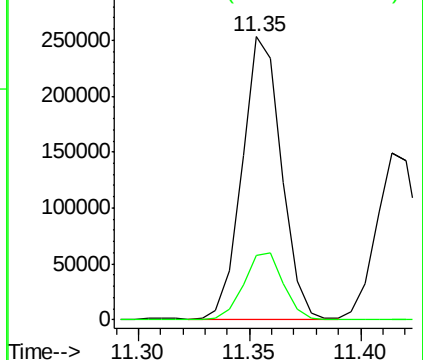
91 100

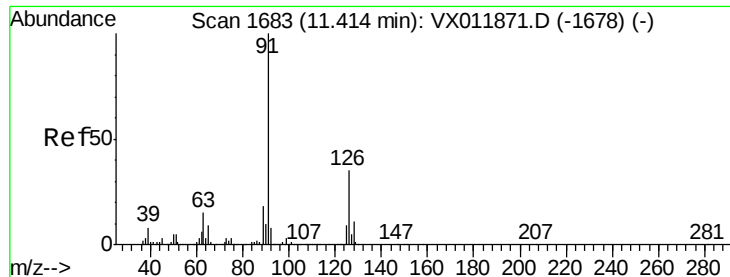
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.986 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

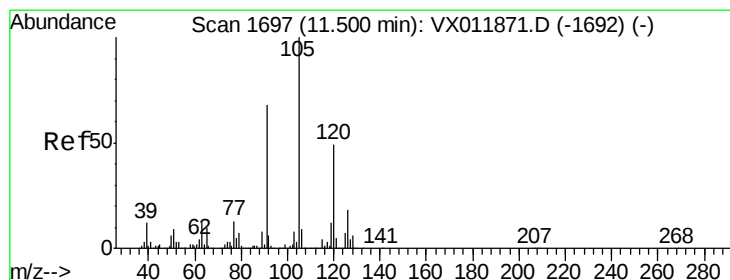
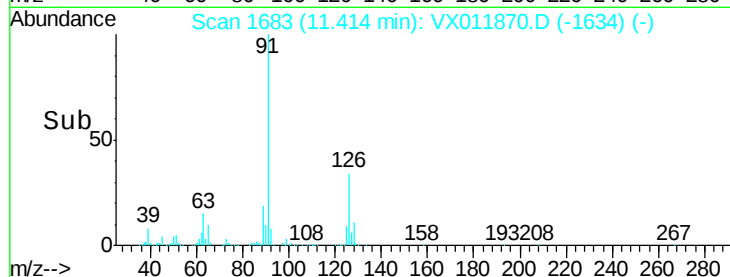
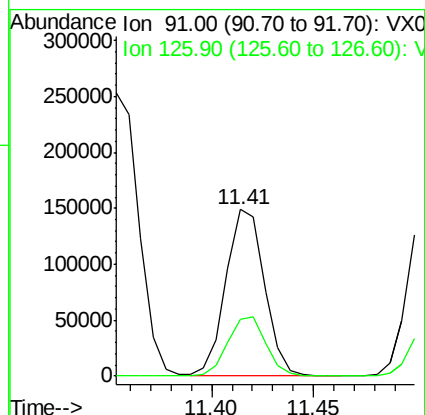
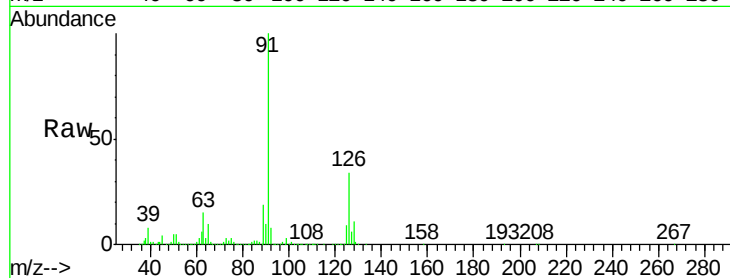
VSTDIC020

Tot Ion: 91 Resp: 193750

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 18.589 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VX011870.D

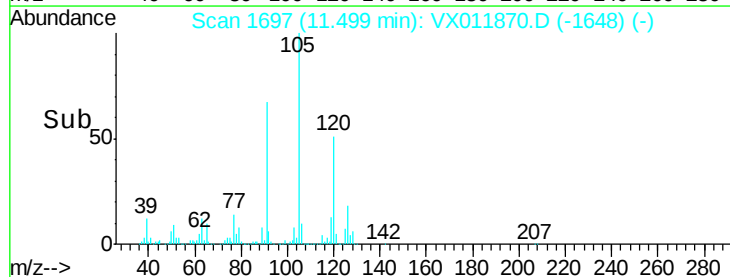
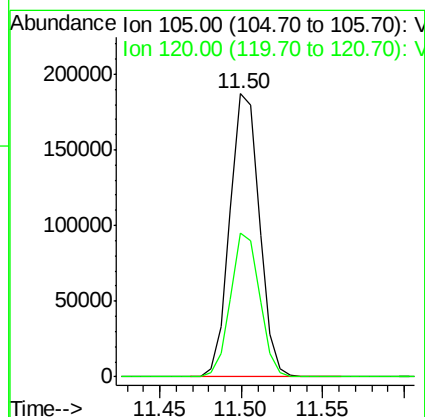
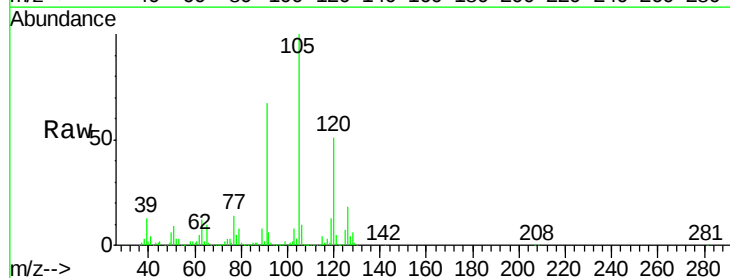
Acq: 28 Aug 2019 11:35

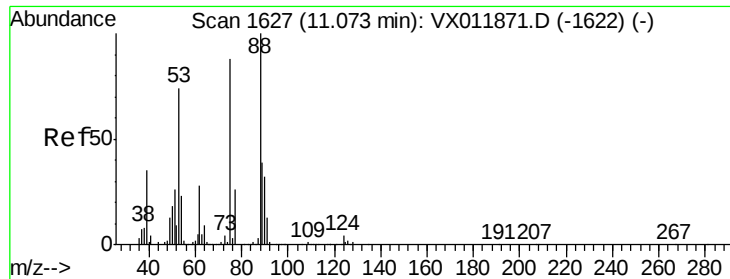
Tgt Ion: 105 Resp: 235423

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.8

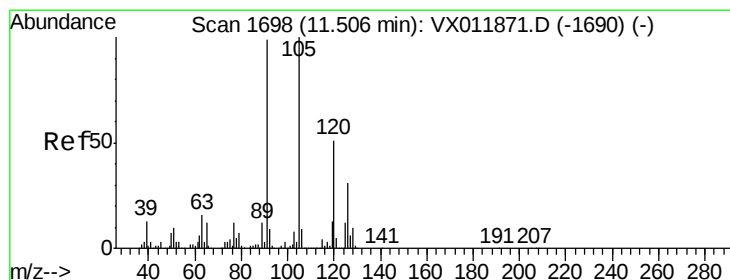
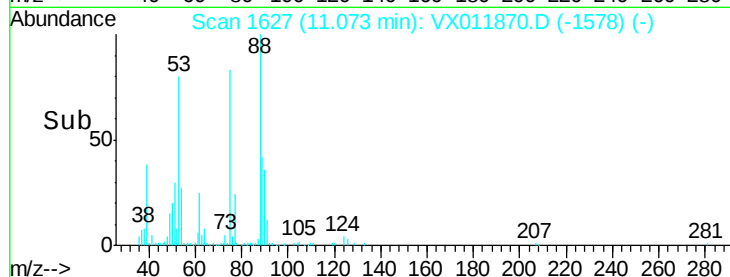
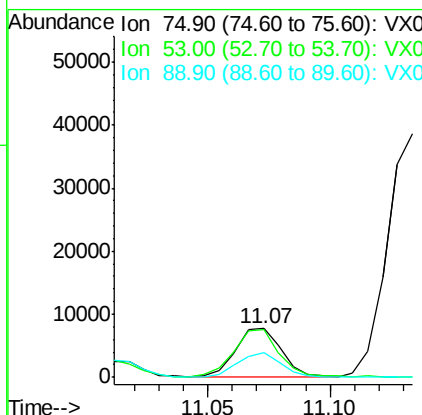
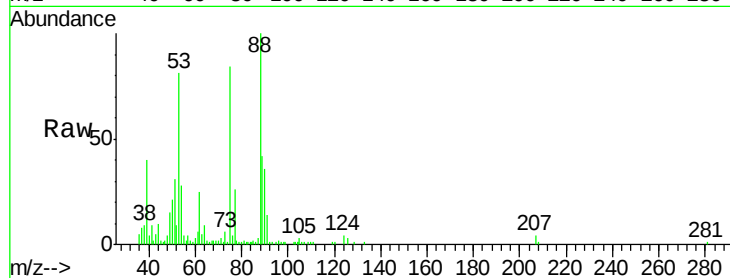




#81
trans-1,4-Dichloro-2-butene
Concen: 8.935 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

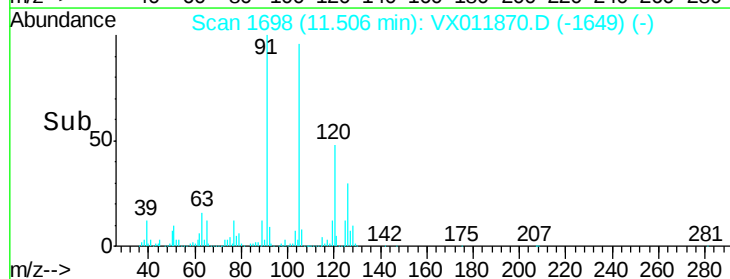
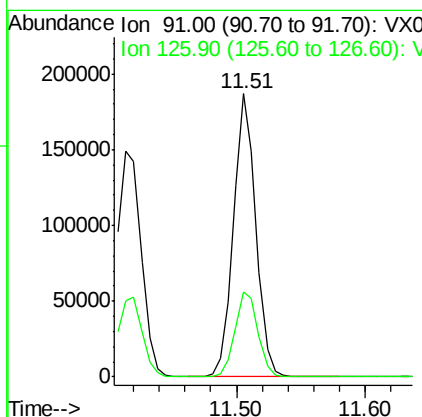
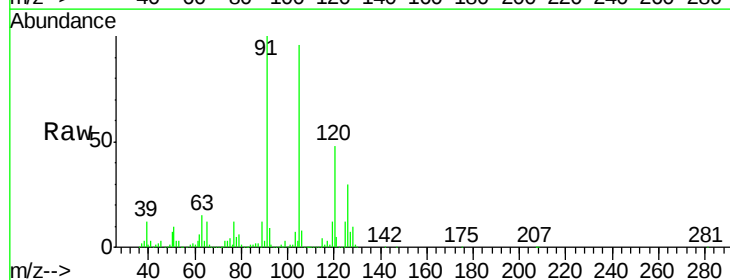
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

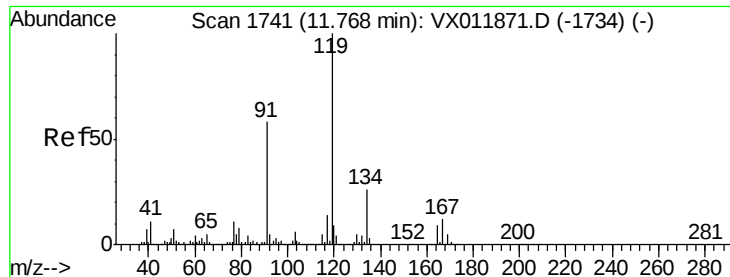
Tot Ion: 75 Resp: 9854
Ion Ratio Lower Upper
75 100
53 99.2 73.3 109.9
89 50.7 37.4 56.0



#82
4-Chlorotoluene
Concen: 18.184 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011870.D
Acq: 28 Aug 2019 11:35

Tgt Ion: 91 Resp: 225081
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.2

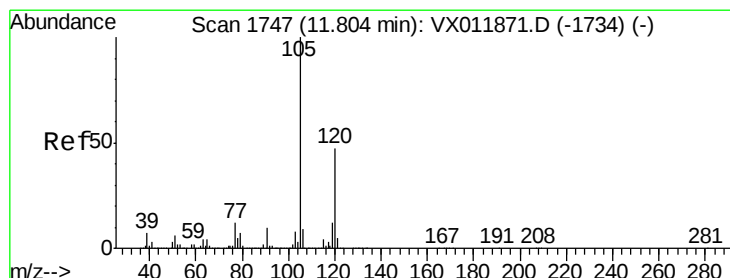
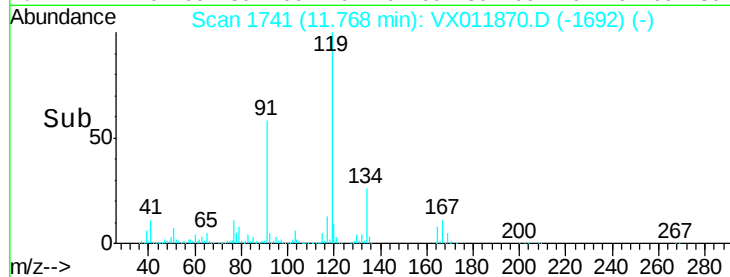
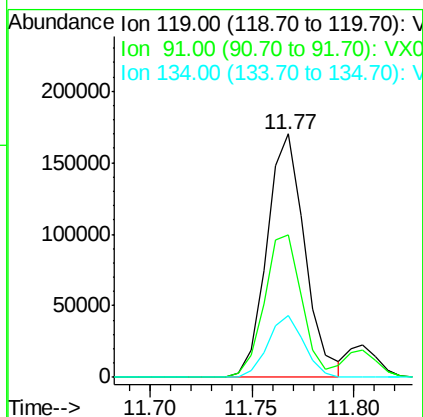
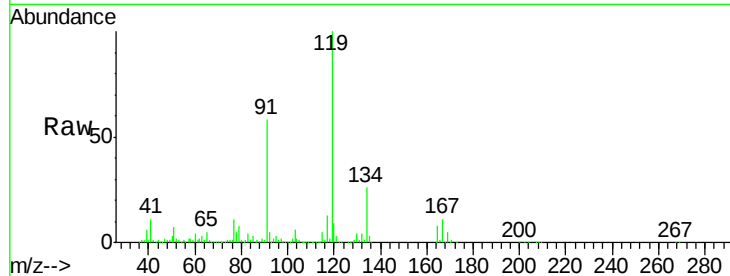




#83
 tert-Butylbenzene
 Concen: 17.597 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

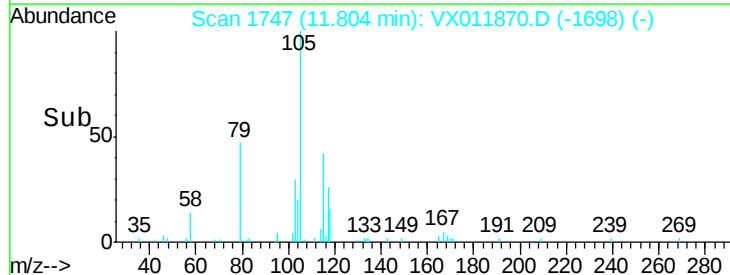
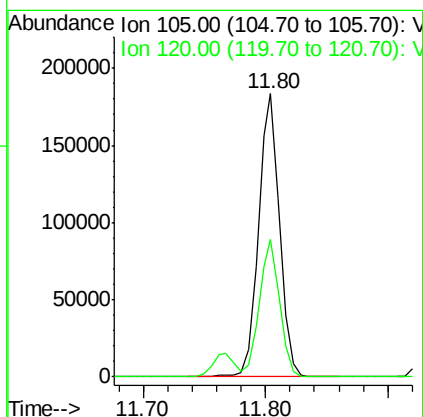
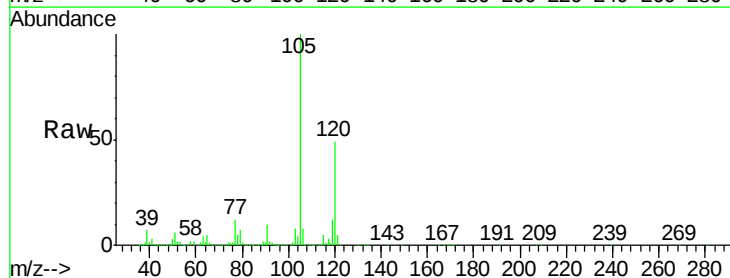
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

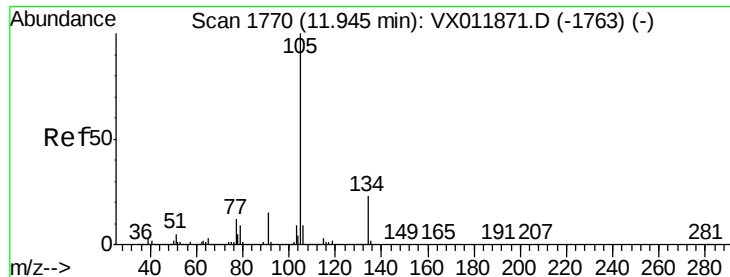
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	28.6	85.8
134	24.4	12.4	37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 16.939 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.0





#85

sec-Butylbenzene

Concen: 15.849 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

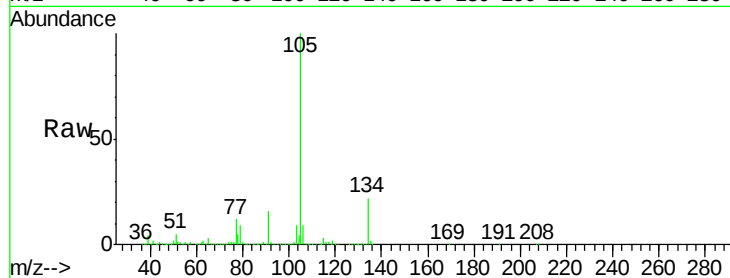
VSTDIC020

Tot Ion:105 Resp: 253980

Ion Ratio Lower Upper

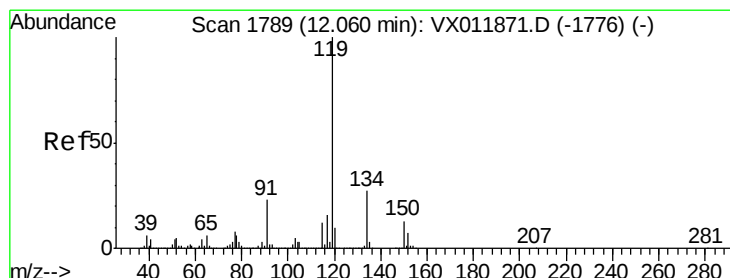
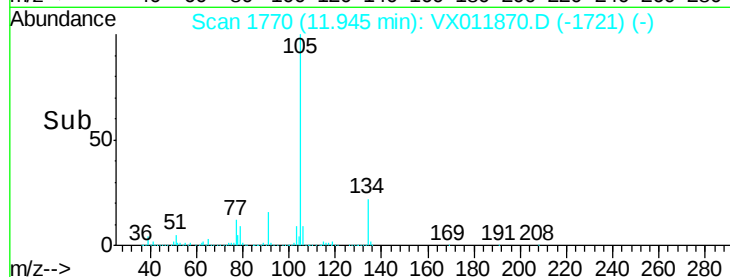
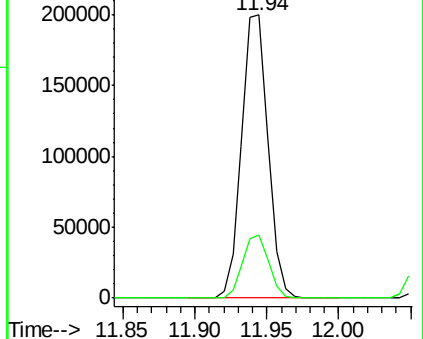
105 100

134 22.1 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 15.877 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

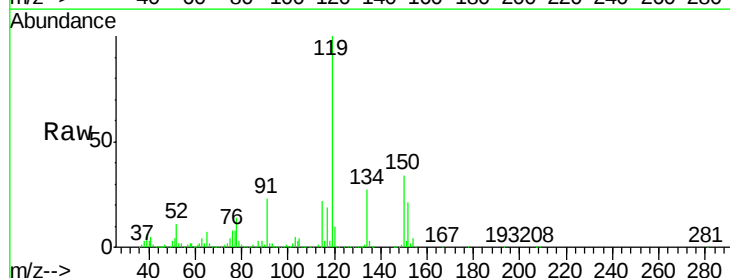
Tgt Ion:119 Resp: 231250

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

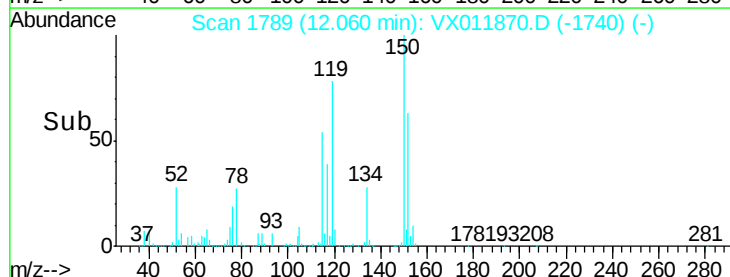
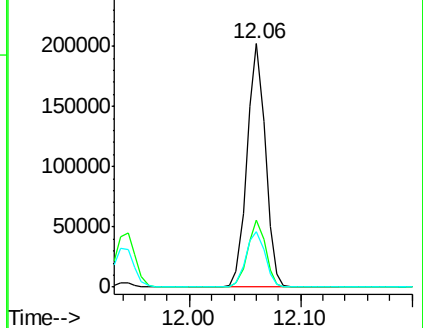
91 23.7 11.7 35.0

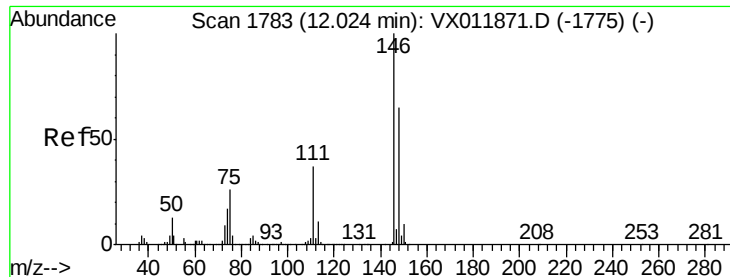


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

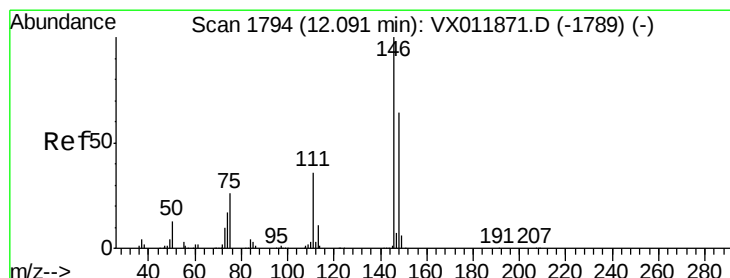
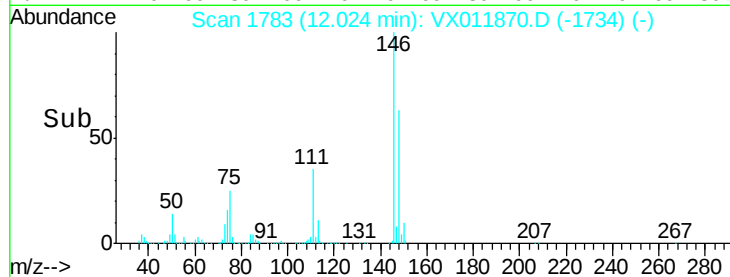
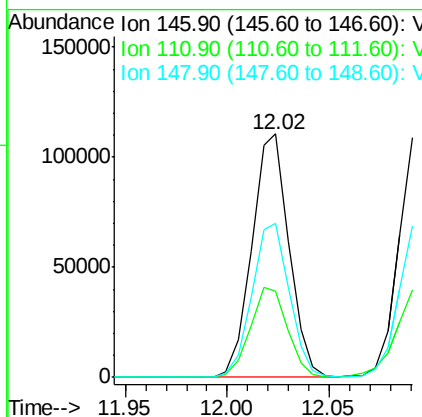
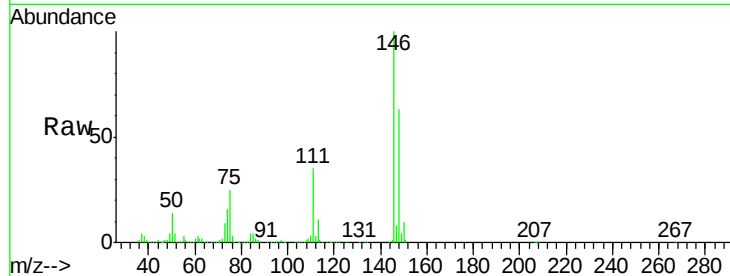




#87
 1,3-Dichlorobenzene
 Concen: 17.874 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

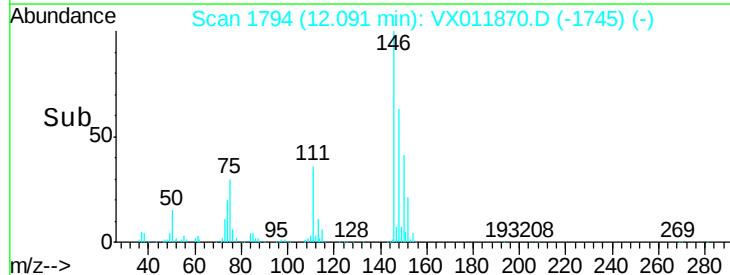
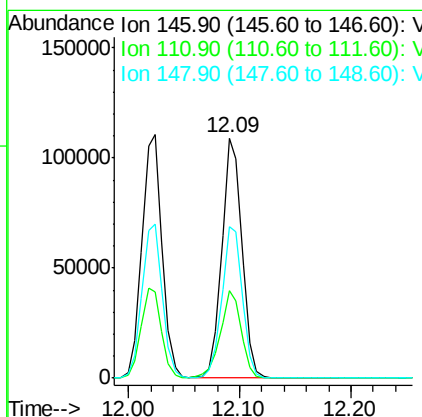
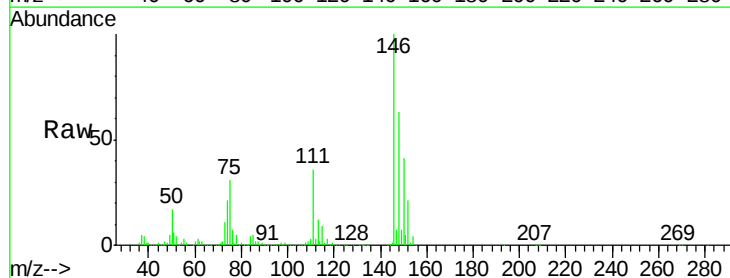
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

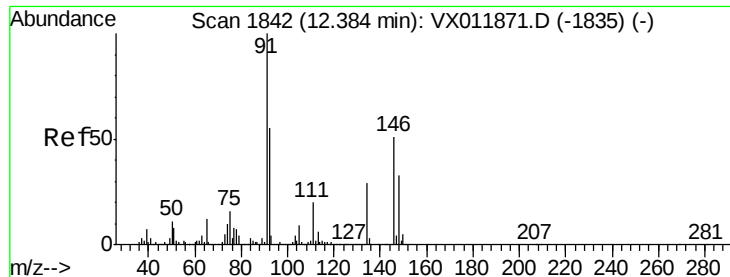
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 17.038 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	64.3	32.3	96.8





#89

n-Butylbenzene

Concen: 14.022 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

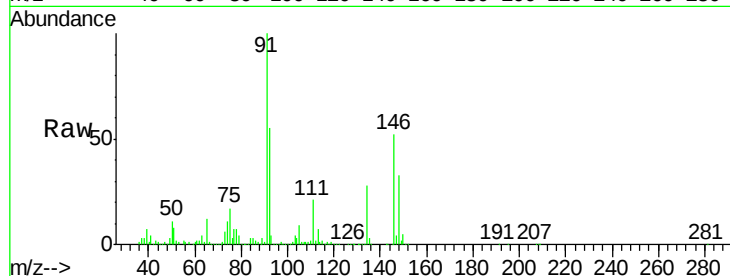
Tot Ion: 91 Resp: 194373

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.7

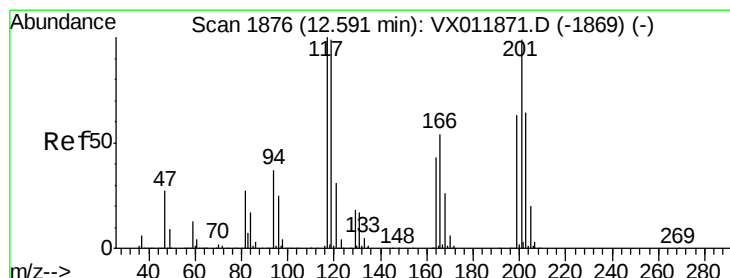
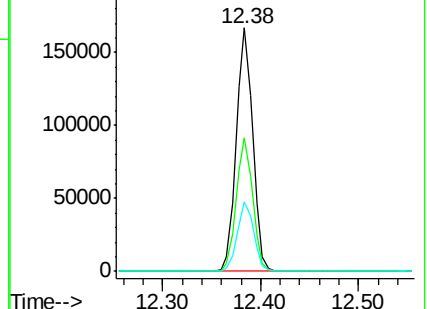
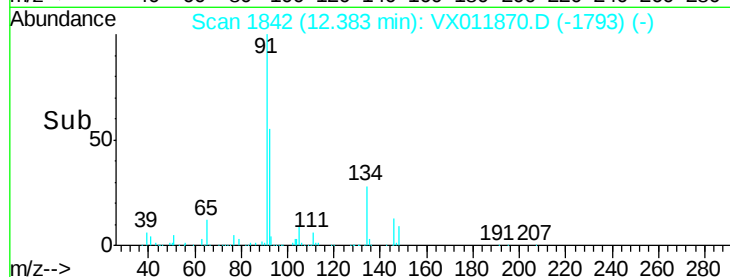
134 28.6 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX011870.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX011870.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX011870.D (-1793) (-)



#90

Hexachloroethane

Concen: 16.497 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX011870.D

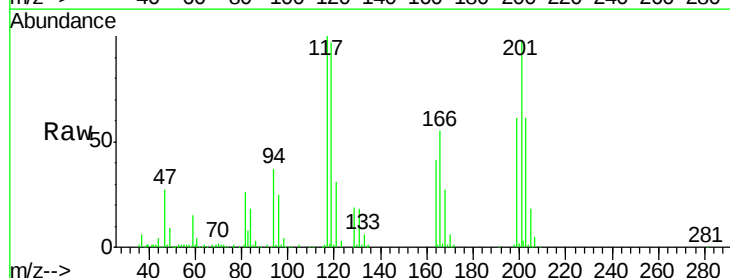
Acq: 28 Aug 2019 11:35

Tgt Ion: 117 Resp: 35678

Ion Ratio Lower Upper

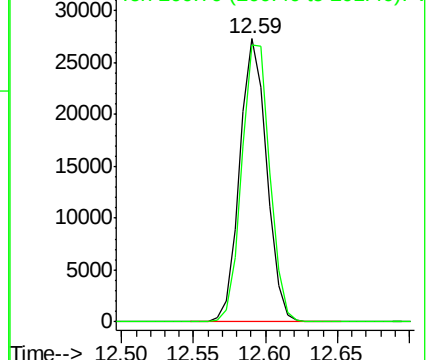
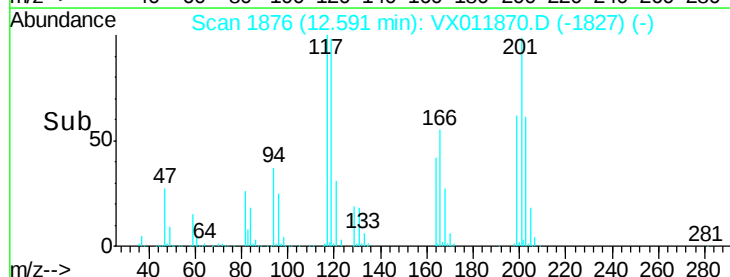
117 100

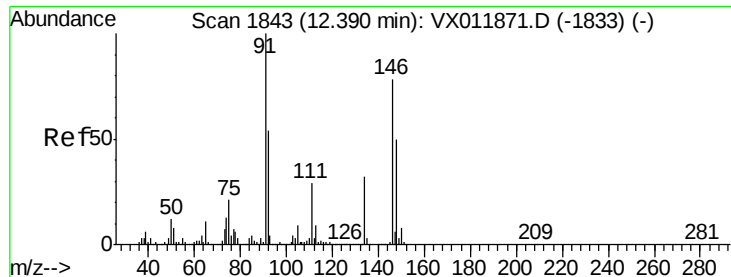
201 100.8 51.0 153.1



Abundance Ion 116.80 (116.50 to 117.50): VX011870.D (-1827) (-)

Ion 200.70 (200.40 to 201.40): VX011870.D (-1827) (-)





#91

1,2-Dichlorobenzene

Concen: 16.380 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

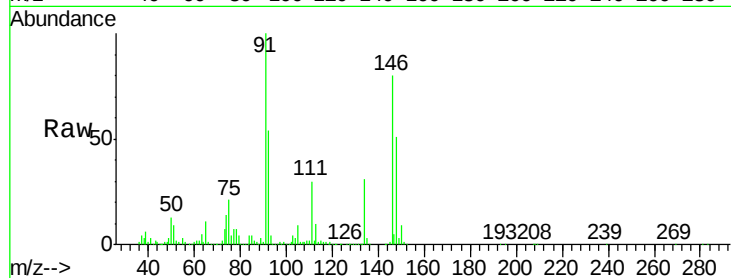
Tot Ion:146 Resp: 119360

Ion Ratio Lower Upper

146 100

111 39.0 19.3 57.9

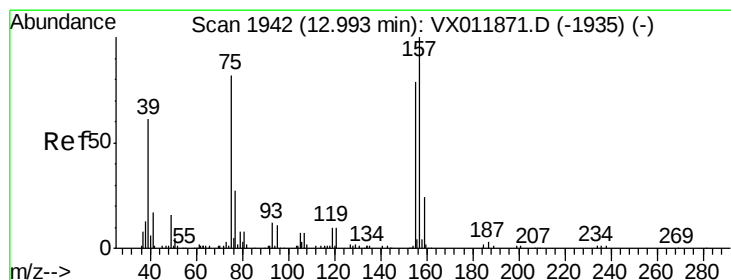
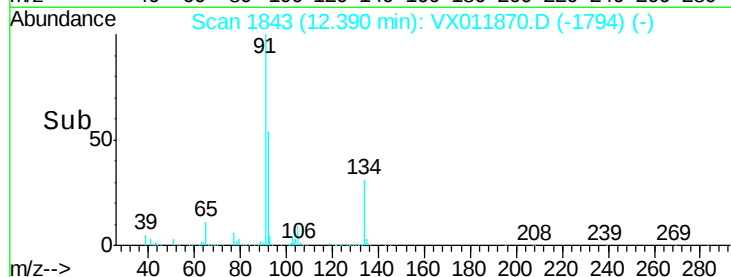
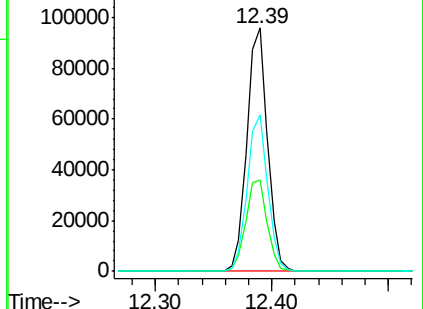
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.601 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

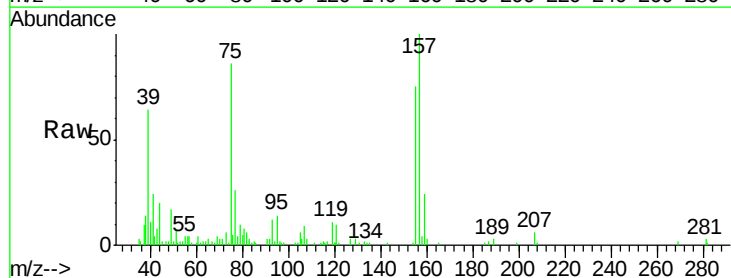
Tgt Ion: 75 Resp: 6583

Ion Ratio Lower Upper

75 100

155 94.7 50.3 150.9

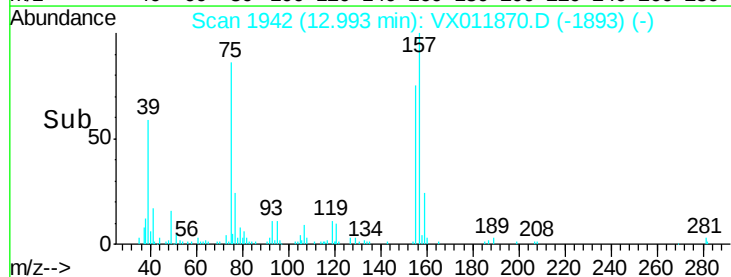
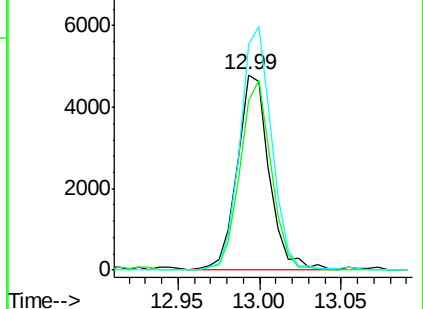
157 123.1 64.7 194.1

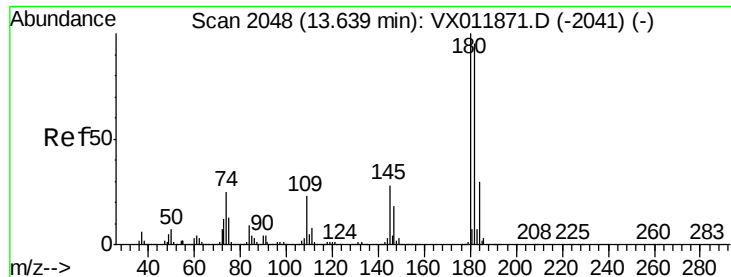


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

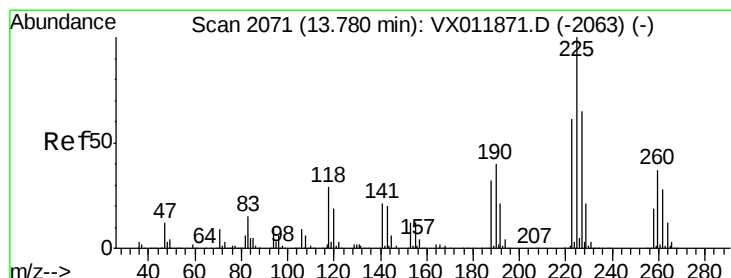
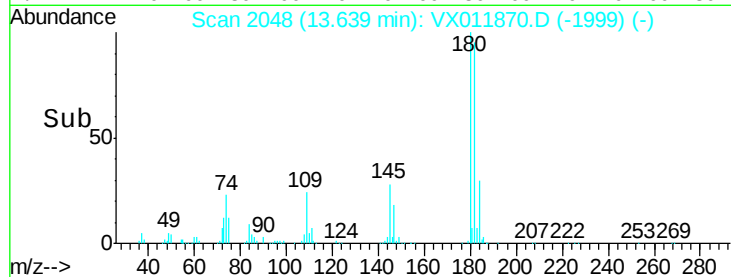
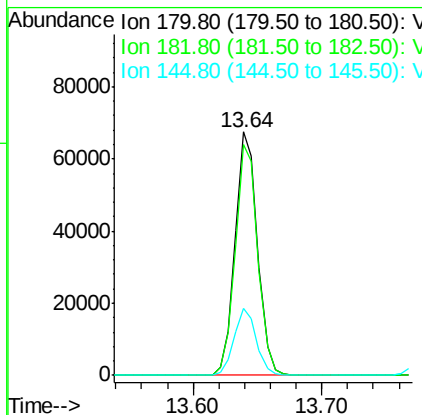
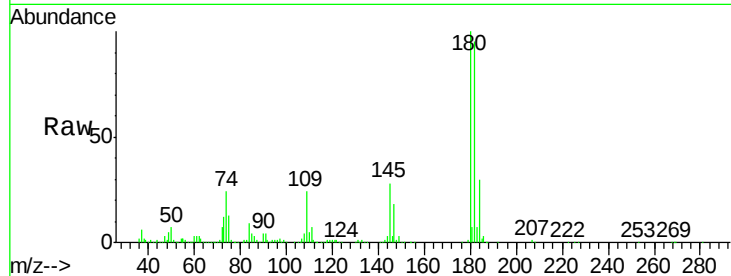




#93
 1,2,4-Trichlorobenzene
 Concen: 14.180 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

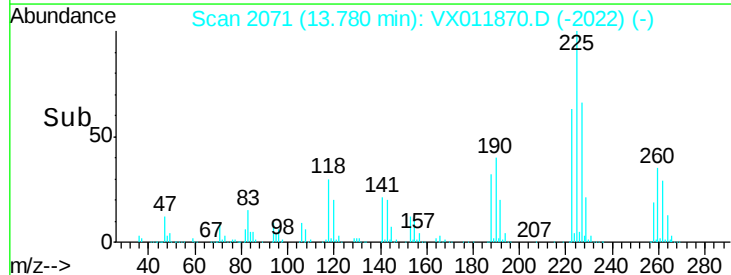
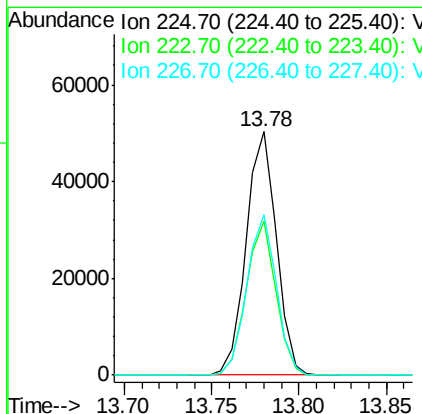
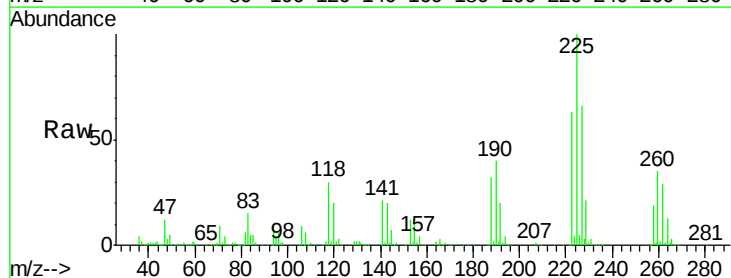
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

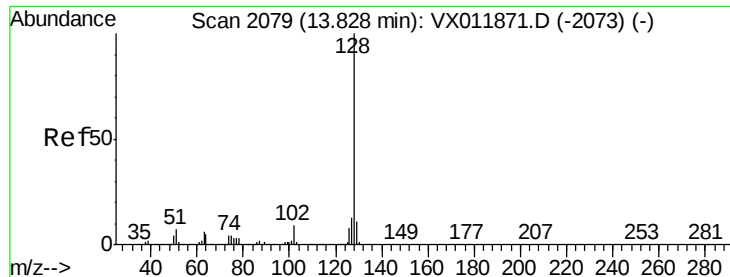
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	27.6	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 16.304 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011870.D
 Acq: 28 Aug 2019 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.8
227	65.0	32.5	97.5





#95

Naphthalene

Concen: 8.095 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

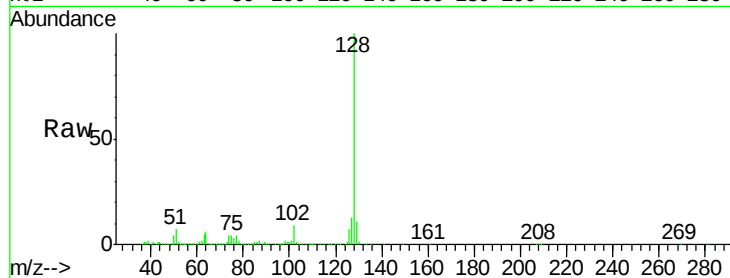
Tot Ion:128 Resp: 99998

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

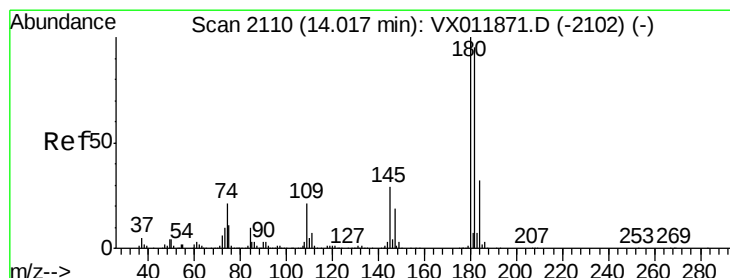
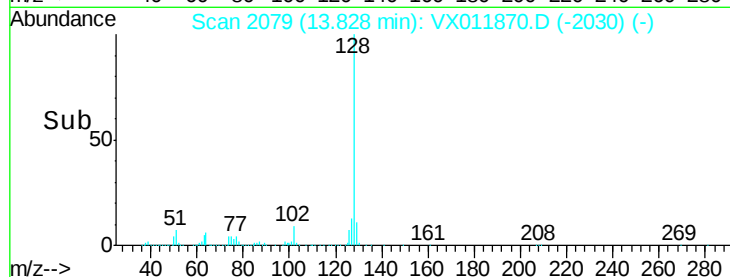
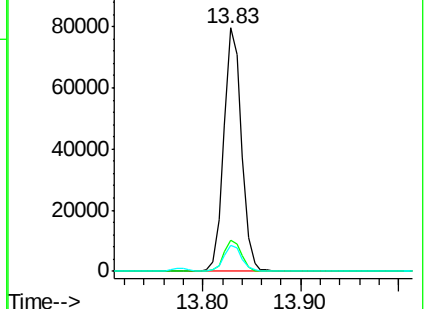
129 10.6 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 12.838 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011870.D

Acq: 28 Aug 2019 11:35

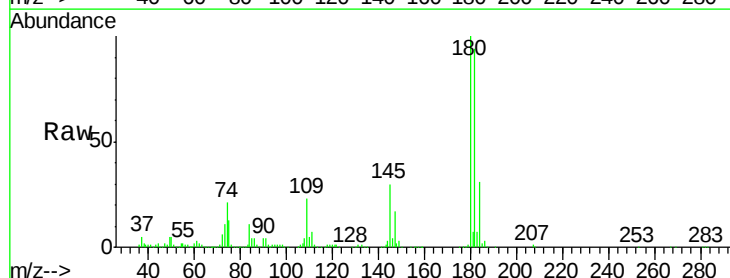
Tgt Ion:180 Resp: 67367

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 29.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

