

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013716.D
 Acq On : 03 Dec 2019 11:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 03 14:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	643137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	982423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	891727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	451513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	371981	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	5.48	113	301437	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1147841	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	425583	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	345551	48.271	ug/l	98
3) Chloromethane	1.32	50	373367	46.483	ug/l	99
4) Vinyl Chloride	1.40	62	439509	48.615	ug/l	100
5) Bromomethane	1.63	94	257853	42.470	ug/l	99
6) Chloroethane	1.71	64	241434	46.930	ug/l	97
7) Trichlorofluoromethane	1.92	101	463163	46.138	ug/l	98
8) Diethyl Ether	2.18	74	231029	50.869	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	291927	47.609	ug/l	99
10) Methyl Iodide	2.50	142	337185	45.459	ug/l	99
11) Tert butyl alcohol	3.03	59	386550	209.774	ug/l	99
12) 1,1-Dichloroethene	2.36	96	285012	46.567	ug/l	99
13) Acrolein	2.28	56	286625	233.004	ug/l	100
14) Allyl chloride	2.72	41	554565	49.928	ug/l	100
15) Acrylonitrile	3.12	53	936013	246.083	ug/l	99
16) Acetone	2.43	43	1068013	289.768	ug/l	99
17) Carbon Disulfide	2.56	76	789942	45.275	ug/l	100
18) Methyl Acetate	2.76	43	541999	52.809	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	1048107	51.692	ug/l	98
20) Methylene Chloride	2.84	84	343894	48.566	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	317850	47.670	ug/l	99
22) Diisopropyl ether	3.84	45	1116068	52.183	ug/l	93
23) Vinyl Acetate	3.80	43	4651556	261.439	ug/l	100
24) 1,1-Dichloroethane	3.69	63	584399	49.984	ug/l	99
25) 2-Butanone	4.65	43	1437375	262.404	ug/l	100
26) 2,2-Dichloropropane	4.57	77	471298	48.721	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	371049	48.458	ug/l	99
28) Bromochloromethane	5.00	49	259059	56.071	ug/l	97
29) Tetrahydrofuran	5.11	42	842111	249.378	ug/l	99
30) Chloroform	5.20	83	571777	48.222	ug/l	98
31) Cyclohexane	5.56	56	522142	47.348	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	472029	47.638	ug/l	100
36) 1,1-Dichloropropene	5.79	75	426143	47.785	ug/l	100
37) Ethyl Acetate	4.81	43	504118	50.389	ug/l	100
38) Carbon Tetrachloride	5.77	117	406508	49.435	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	532910	48.344	ug/l	99
40) Benzene	6.13	78	1324998	48.783	ug/l	100
41) Methacrylonitrile	5.02	41	286401	52.199	ug/l	99
42) 1,2-Dichloroethane	6.18	62	469877	50.726	ug/l	99
43) Isopropyl Acetate	6.43	43	843552	51.215	ug/l	99
44) Trichloroethene	7.20	130	351080	47.098	ug/l	100
45) 1,2-Dichloropropane	7.50	63	350820	51.624	ug/l	99
46) Dibromomethane	7.65	93	229082	49.634	ug/l	99
47) Bromodichloromethane	7.89	83	462925	53.056	ug/l	97
48) Methyl methacrylate	7.76	41	418608	52.308	ug/l	99
49) 1,4-Dioxane	7.73	88	154574	862.908	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	2607247	251.654	ug/l	99
52) Toluene	8.78	92	831151	49.258	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	531403	53.507	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	575283	53.020	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	348423	51.241	ug/l	98
56) Ethyl methacrylate	9.17	69	571898	52.313	ug/l	100
57) 1,3-Dichloropropane	9.36	76	591279	50.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1108783	258.684	ug/l	99
59) 2-Hexanone	9.48	43	2060600	255.013	ug/l	99
60) Dibromochloromethane	9.57	129	375255	53.177	ug/l	99
61) 1,2-Dibromoethane	9.67	107	368414	50.729	ug/l	98
64) Tetrachloroethene	9.33	164	319519	48.048	ug/l	98
65) Chlorobenzene	10.14	112	894926	48.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	338129	50.860	ug/l	100
67) Ethyl Benzene	10.25	91	1588355	49.926	ug/l	99
68) m/p-Xylenes	10.35	106	1200016	98.521	ug/l	99
69) o-Xylene	10.70	106	589305	49.607	ug/l	99
70) Styrene	10.71	104	1023758	51.231	ug/l	100
71) Bromoform	10.85	173	294849	53.600	ug/l #	100
73) Isopropylbenzene	11.01	105	1543804	48.744	ug/l	100
74) N-amyl acetate	10.89	43	754269	51.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	547444	49.842	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	636805	62.707	ug/l	91
77) Bromobenzene	11.25	156	407604	47.638	ug/l	98
78) n-propylbenzene	11.35	91	1762037	49.837	ug/l	100
79) 2-Chlorotoluene	11.42	91	1042284	49.144	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1302802	50.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	196370	52.902	ug/l	96
82) 4-Chlorotoluene	11.51	91	1209197	49.225	ug/l	99
83) tert-Butylbenzene	11.76	119	1300893	49.312	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1307834	49.643	ug/l	100
85) sec-Butylbenzene	11.94	105	1500503	49.796	ug/l	100
86) p-Isopropyltoluene	12.06	119	1386444	49.458	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	730980	49.010	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	724072	47.662	ug/l	99
89) n-Butylbenzene	12.39	91	1220972	51.068	ug/l	100
90) Hexachloroethane	12.59	117	252423	49.818	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	731815	49.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	115864	48.441	ug/l	99

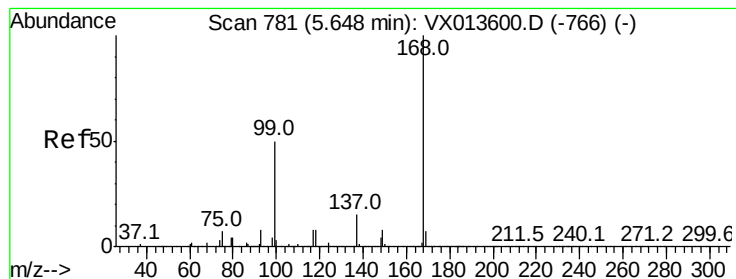
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	503896	49.063	ug/l	99
94) Hexachlorobutadiene	13.78	225	236329	47.901	ug/l	100
95) Naphthalene	13.83	128	1586794	51.881	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	512688	50.417	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

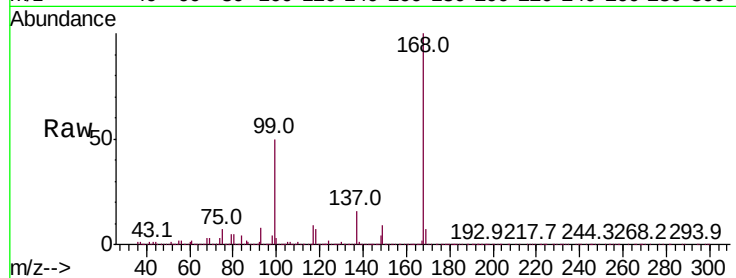
VSTDCCC050

Tot Ion:168 Resp: 643137

Ion Ratio Lower Upper

168 100

99 50.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

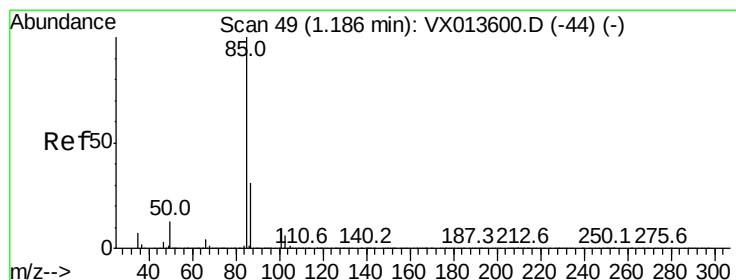
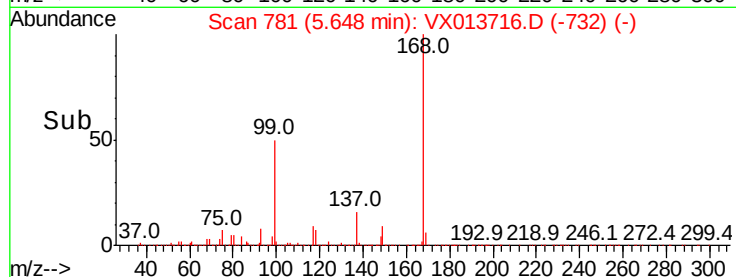
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.271 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013716.D

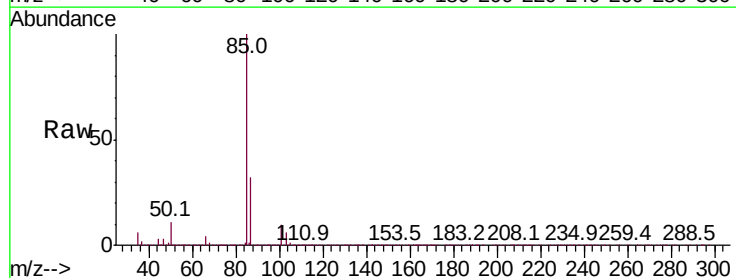
Acq: 03 Dec 2019 11:30

Tgt Ion: 85 Resp: 345551

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

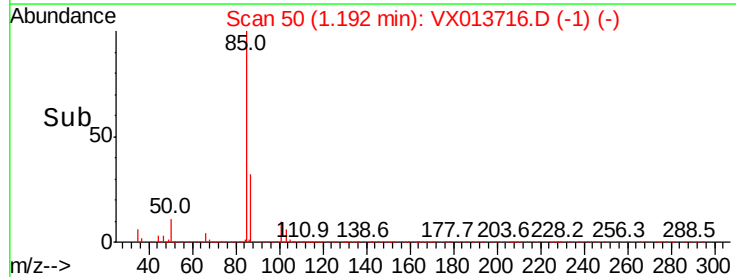
300000

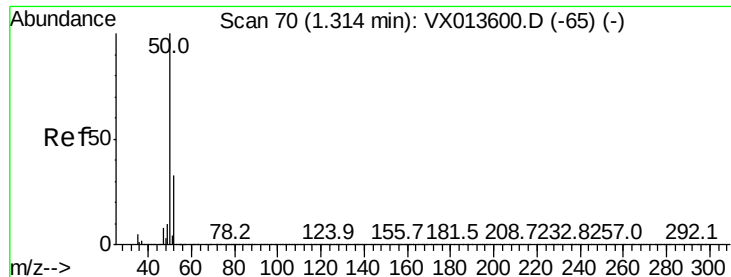
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.483 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

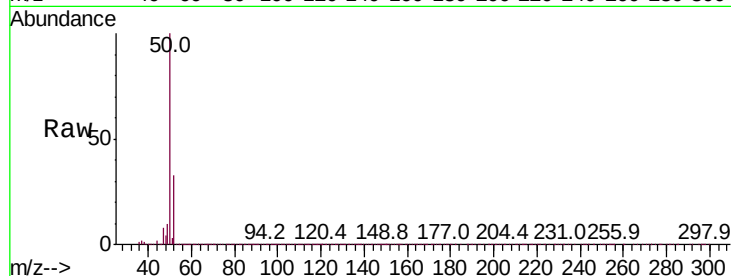
VSTDCCC050

Tot Ion: 50 Resp: 373367

Ion Ratio Lower Upper

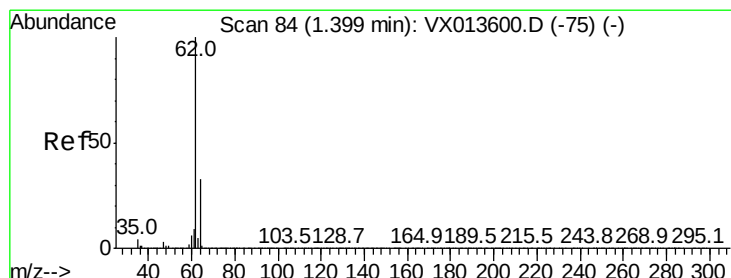
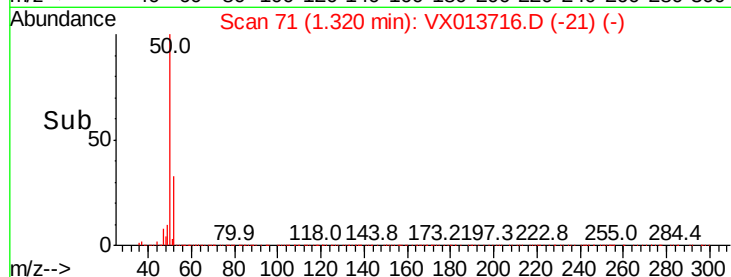
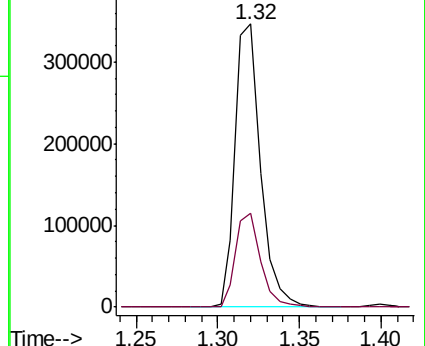
50 100

52 33.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.615 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013716.D

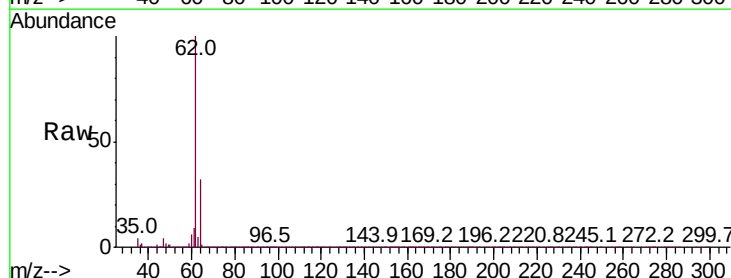
Acq: 03 Dec 2019 11:30

Tgt Ion: 62 Resp: 439509

Ion Ratio Lower Upper

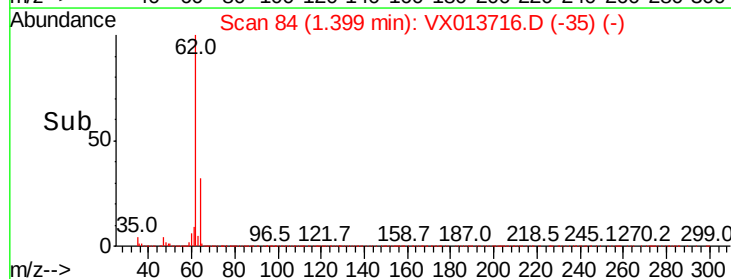
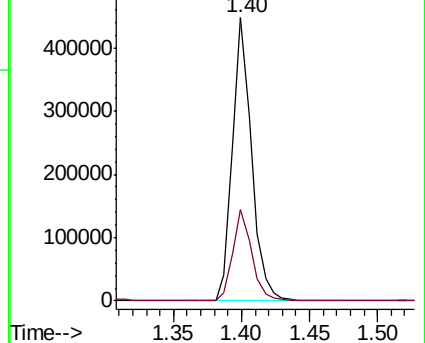
62 100

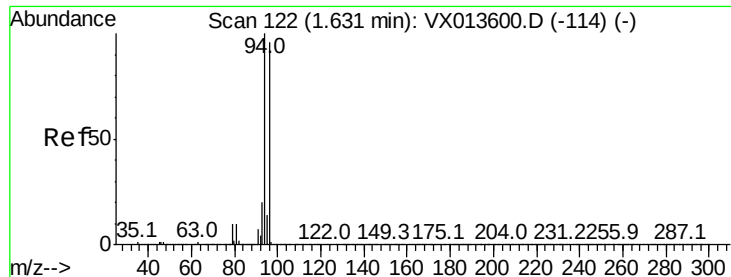
64 32.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.470 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

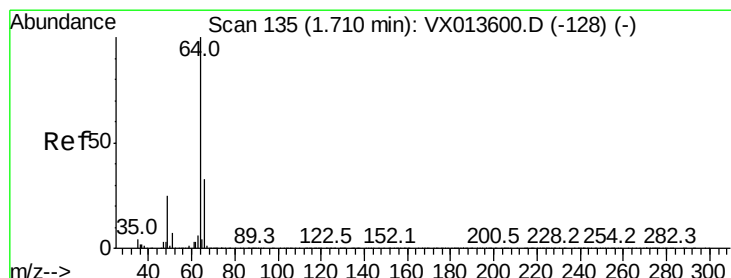
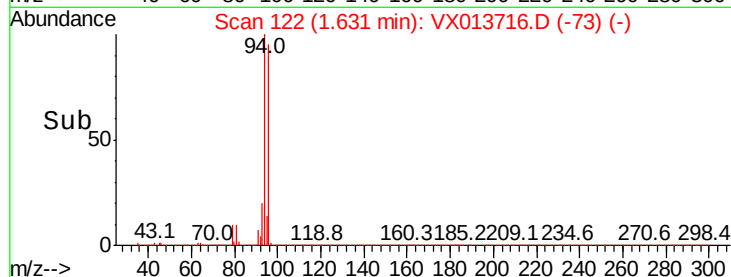
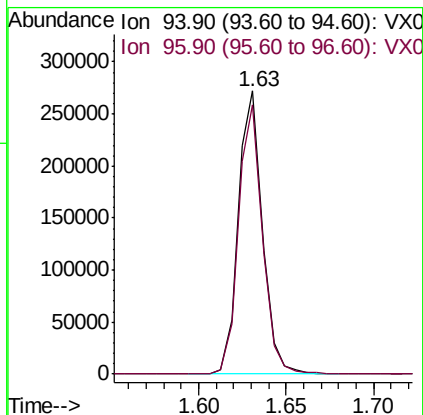
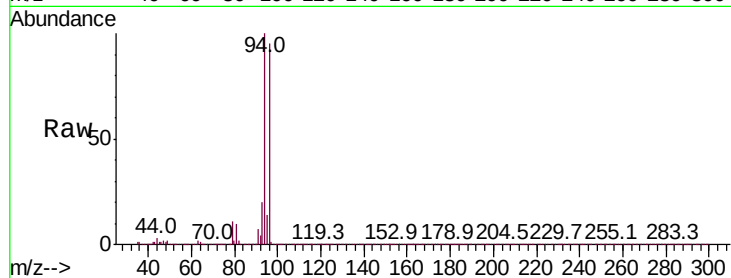
VSTDCCC050

Tot Ion: 94 Resp: 257853

Ion Ratio Lower Upper

94 100

96 95.2 77.0 115.4



#6

Chloroethane

Concen: 46.930 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013716.D

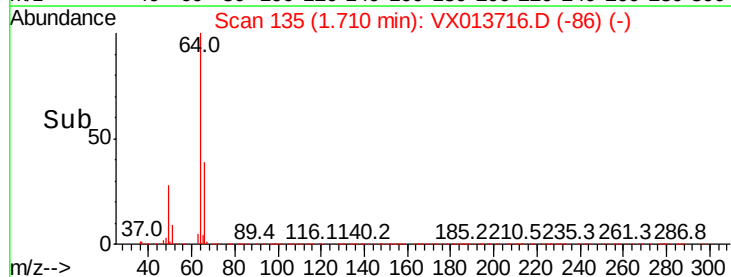
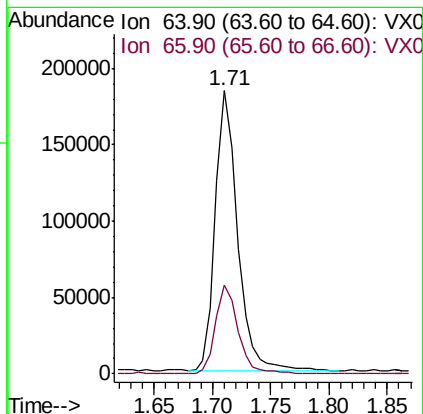
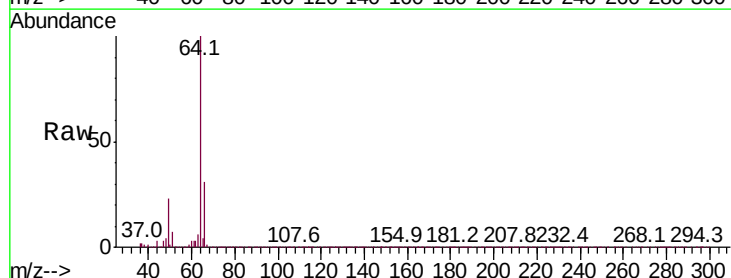
Acq: 03 Dec 2019 11:30

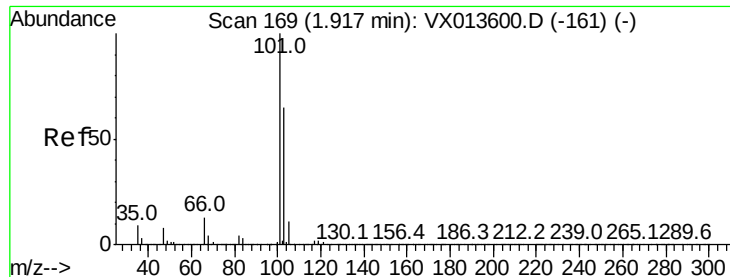
Tgt Ion: 64 Resp: 241434

Ion Ratio Lower Upper

64 100

66 31.7 26.7 40.1



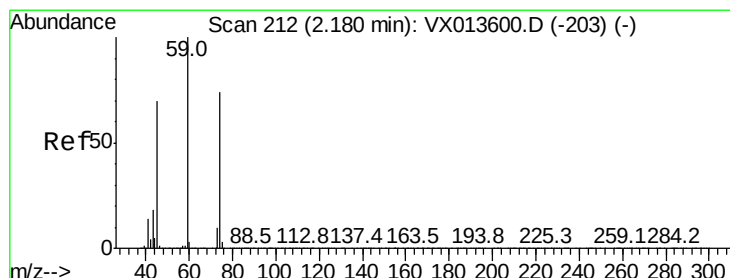
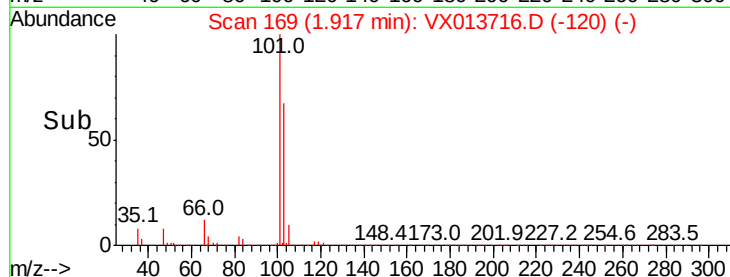
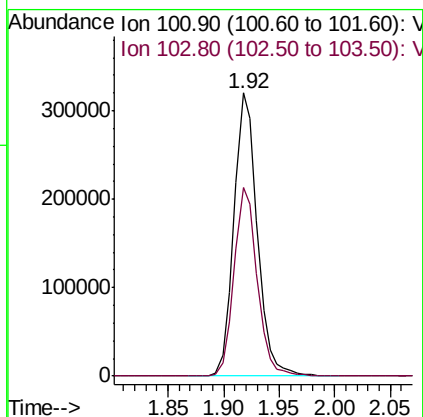
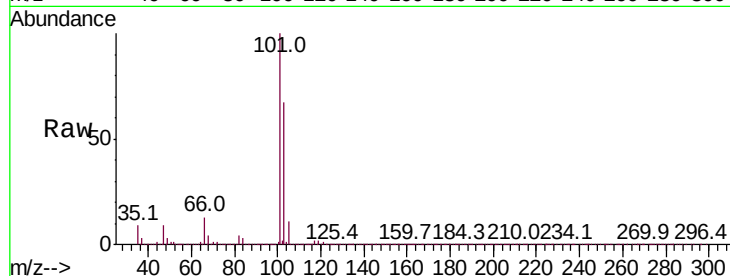


#7

Trichlorofluoromethane
Concen: 46.138 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

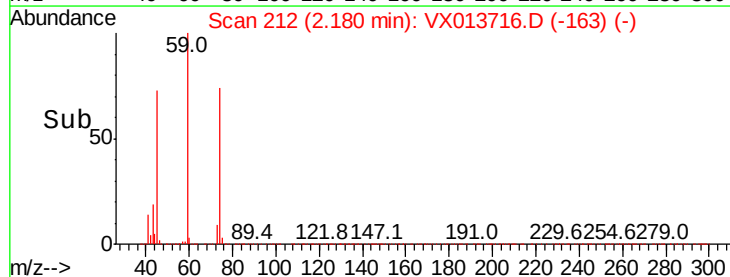
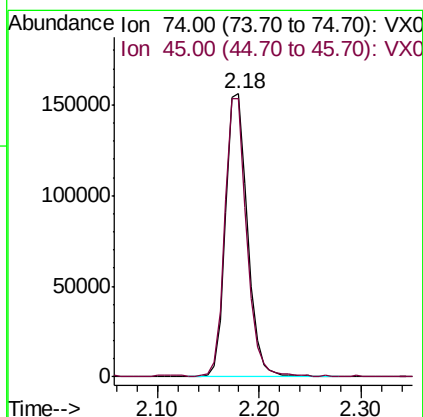
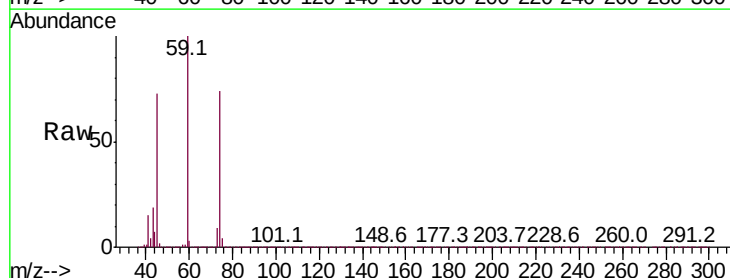
Tot Ion:101 Resp: 463163
Ion Ratio Lower Upper
101 100
103 66.6 51.8 77.6

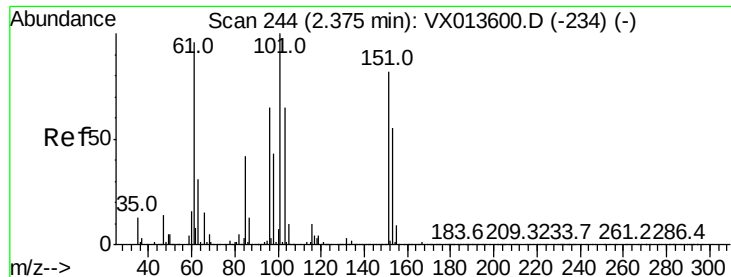


#8

Diethyl Ether
Concen: 50.869 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 74 Resp: 231029
Ion Ratio Lower Upper
74 100
45 97.4 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.609 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

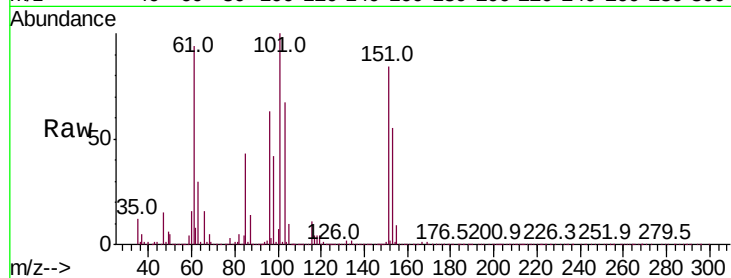
Tot Ion:101 Resp: 291927

Ion Ratio Lower Upper

101 100

85 42.8 33.9 50.9

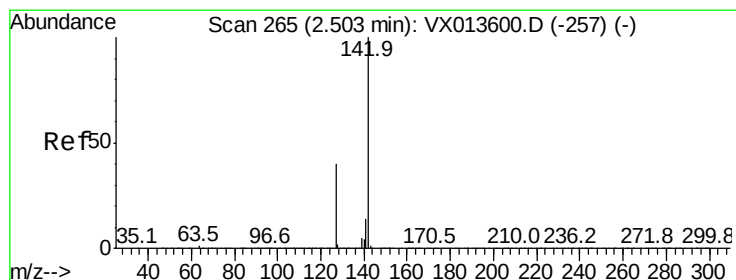
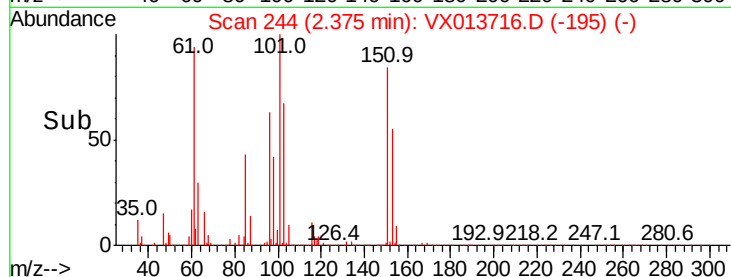
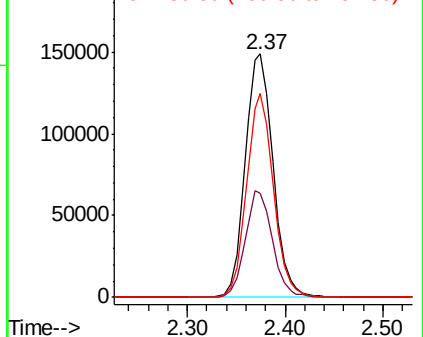
151 80.9 64.2 96.2



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: 45.459 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

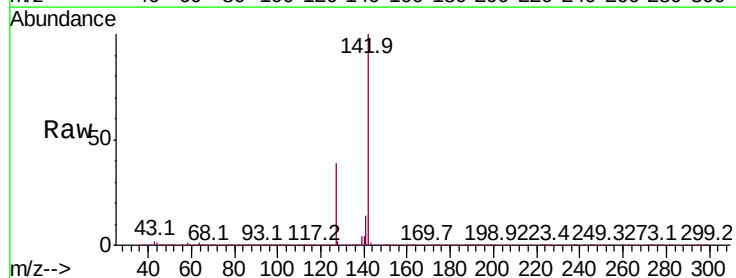
Tgt Ion:142 Resp: 337185

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

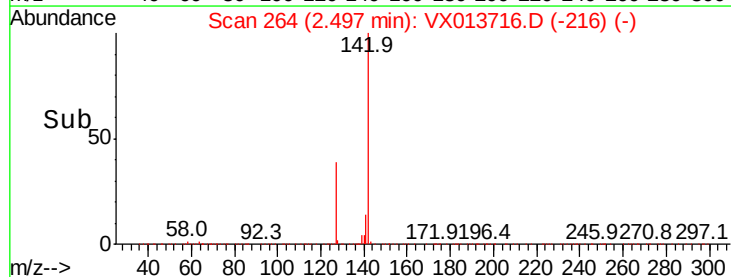
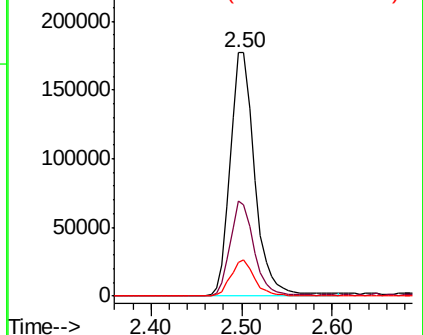
141 14.3 11.6 17.4

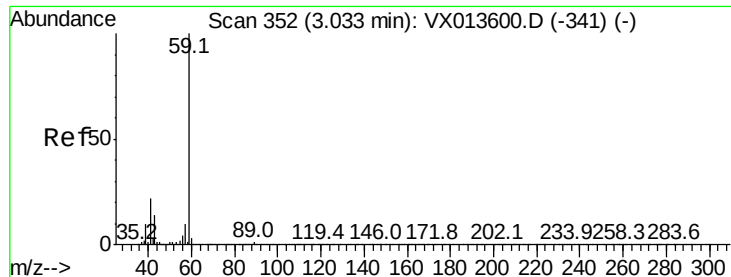


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



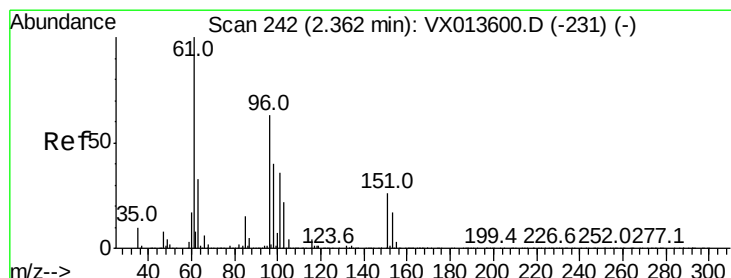
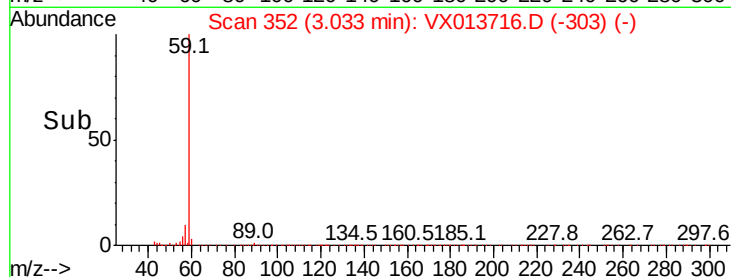
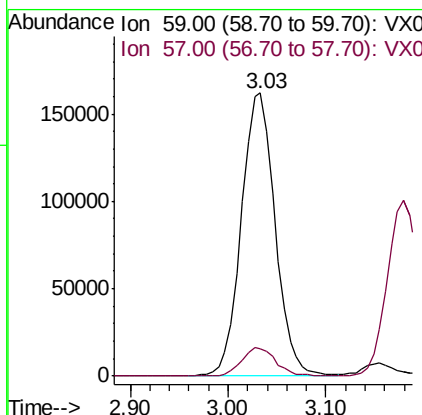
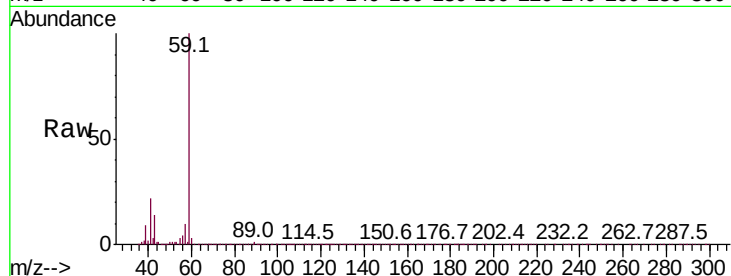


#11

Tert butyl alcohol
Concen: 209.774 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

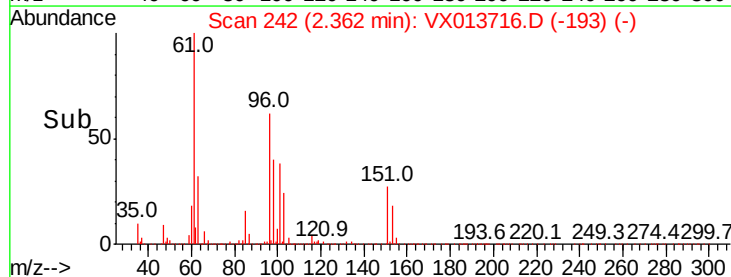
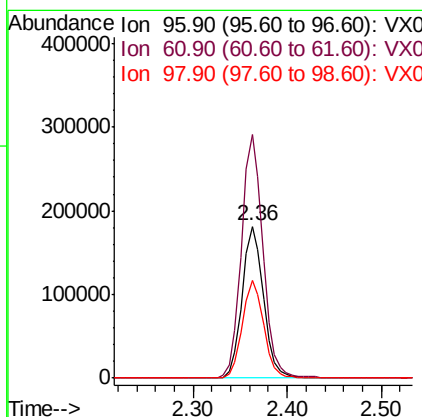
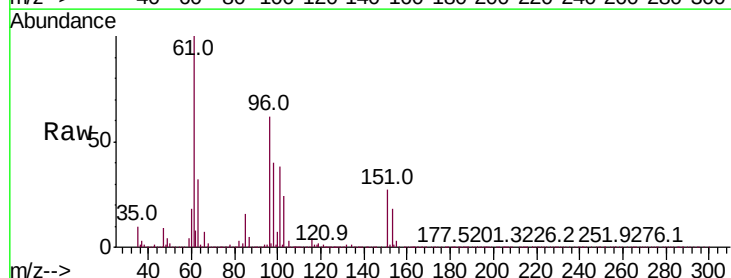
Tot Ion: 59 Resp: 386550
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.6

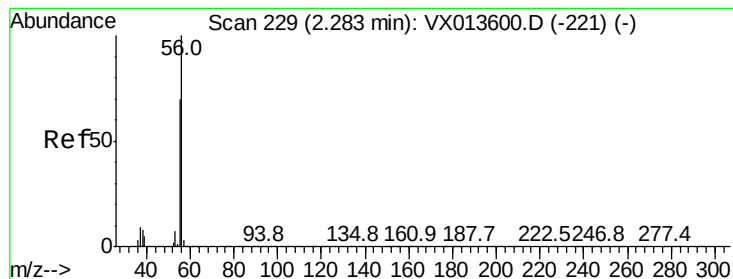


#12

1,1-Dichloroethene
Concen: 46.567 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 96 Resp: 285012
Ion Ratio Lower Upper
96 100
61 160.3 126.6 190.0
98 64.0 50.6 76.0





#13

Acrolein

Concen: 233.004 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

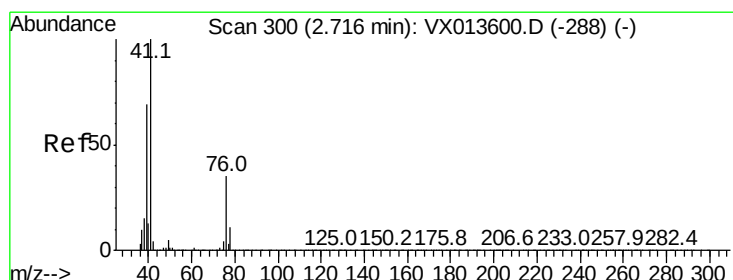
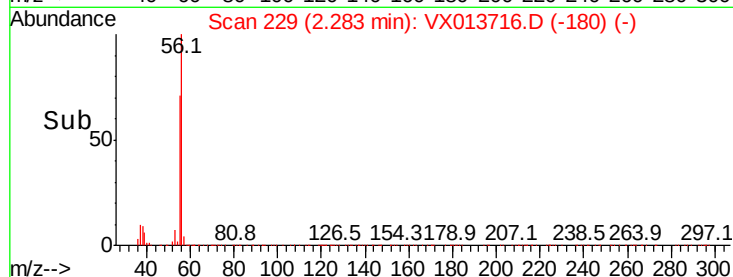
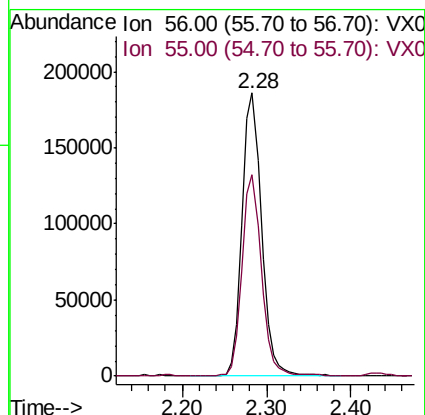
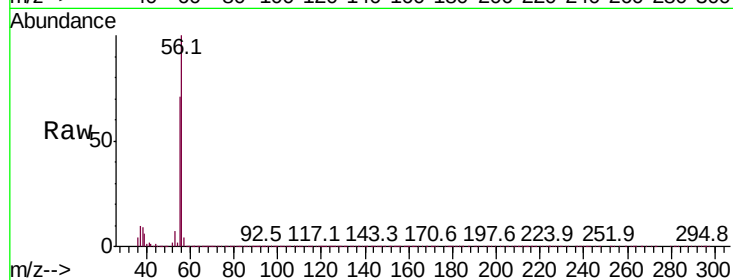
VSTDCCC050

Tot Ion: 56 Resp: 286625

Ion Ratio Lower Upper

56 100

55 70.4 56.2 84.4



#14

Allyl chloride

Concen: 49.928 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

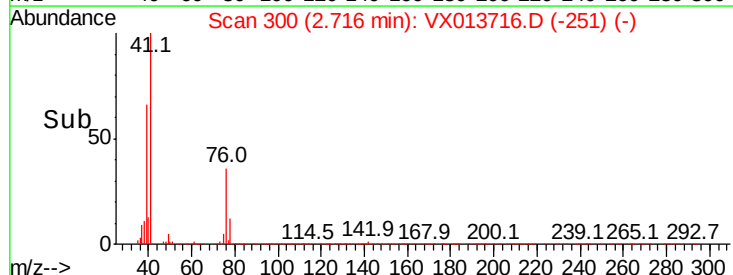
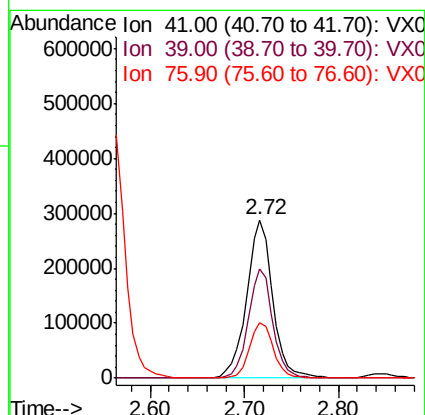
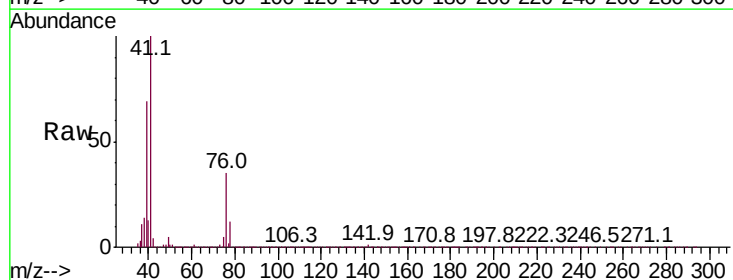
Tgt Ion: 41 Resp: 554565

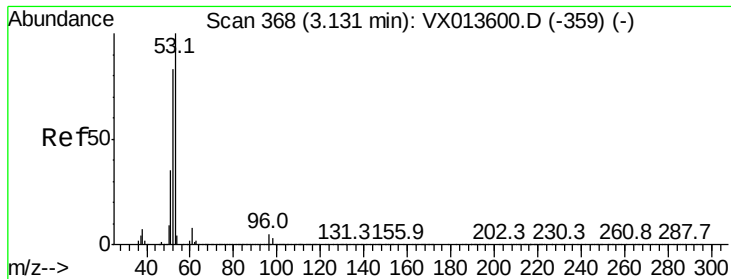
Ion Ratio Lower Upper

41 100

39 64.7 51.7 77.5

76 32.0 25.9 38.9





#15

Acrylonitrile

Concen: 246.083 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

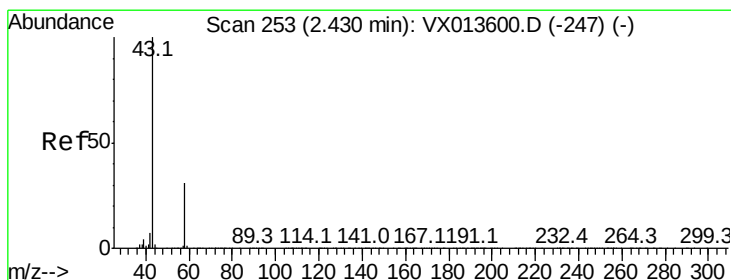
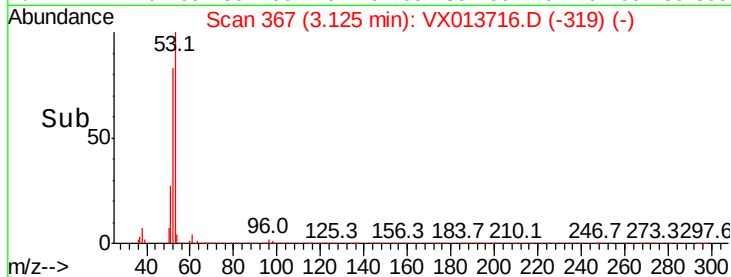
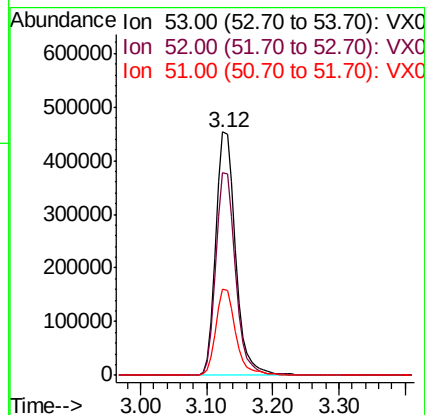
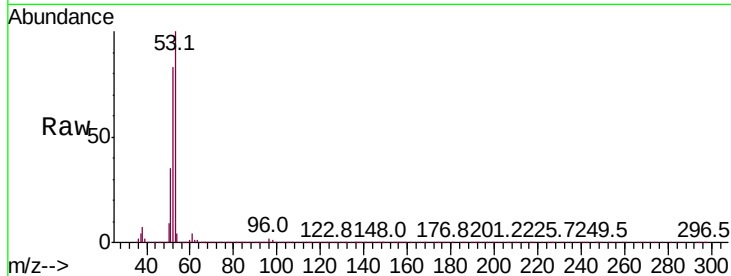
Tot Ion: 53 Resp: 936013

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.2

51 35.3 29.0 43.6



#16

Acetone

Concen: 289.768 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013716.D

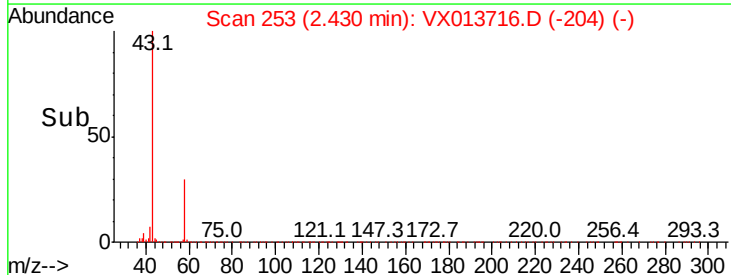
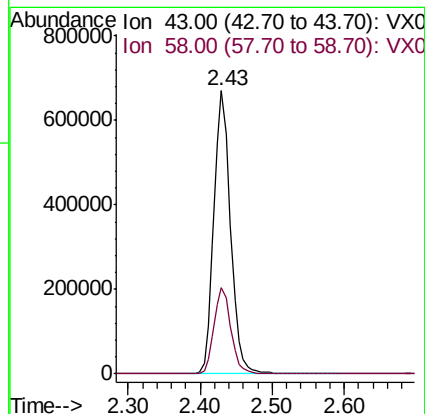
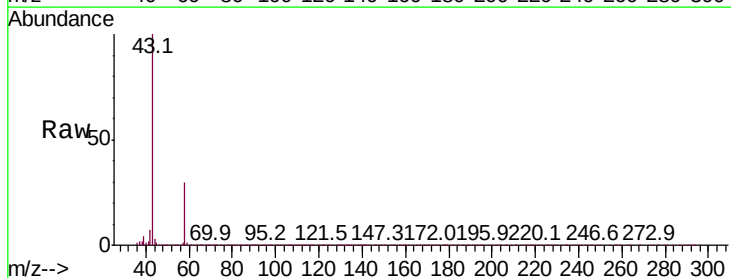
Acq: 03 Dec 2019 11:30

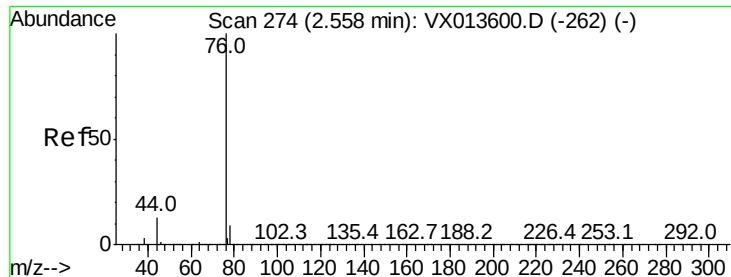
Tgt Ion: 43 Resp: 1068013

Ion Ratio Lower Upper

43 100

58 30.4 24.6 36.8





#17

Carbon Disulfide

Concen: 45.275 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

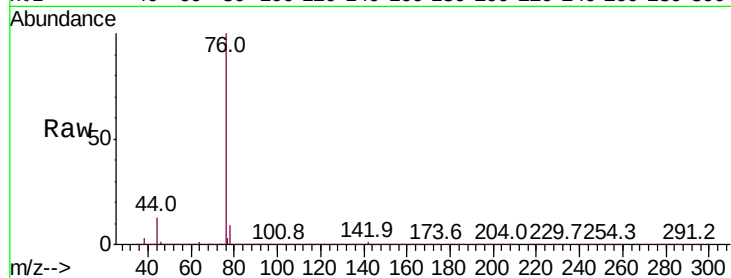
VSTDCCC050

Tot Ion: 76 Resp: 789942

Ion Ratio Lower Upper

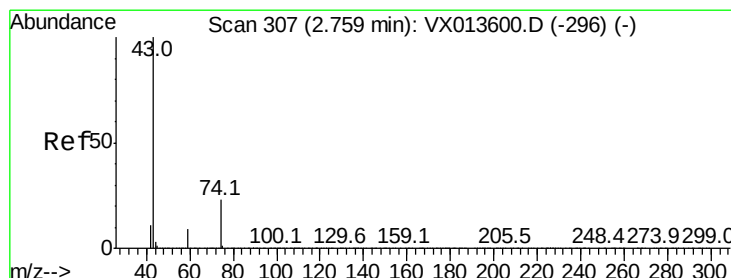
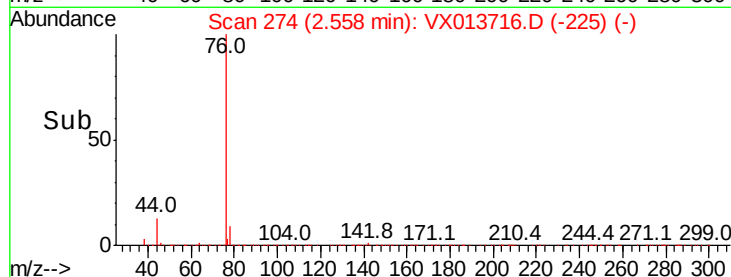
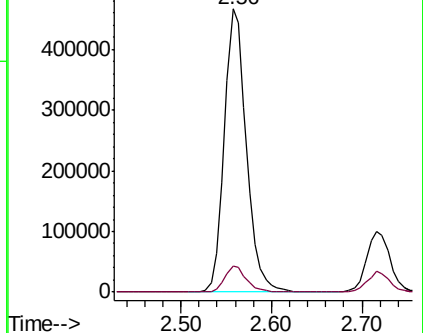
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.809 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013716.D

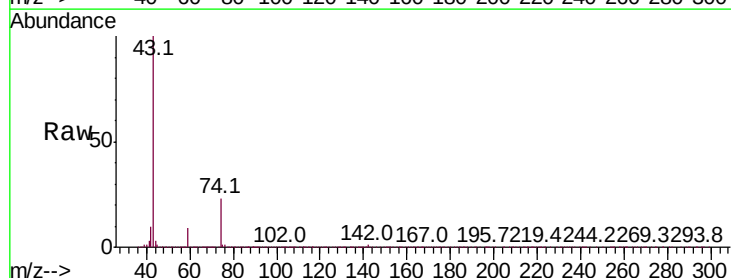
Acq: 03 Dec 2019 11:30

Tgt Ion: 43 Resp: 541999

Ion Ratio Lower Upper

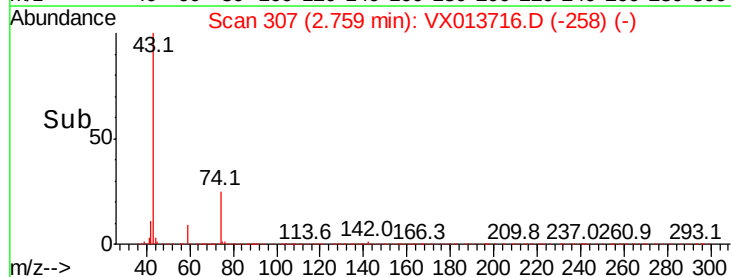
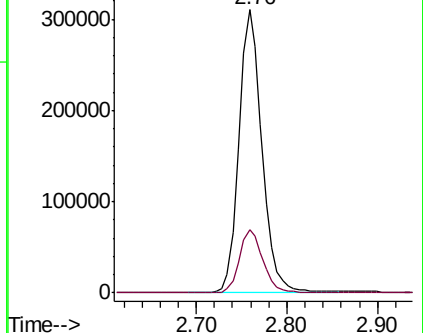
43 100

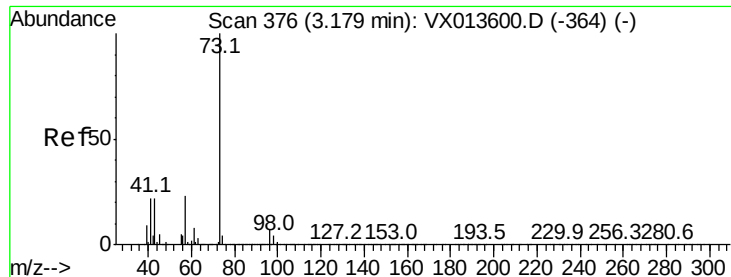
74 22.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

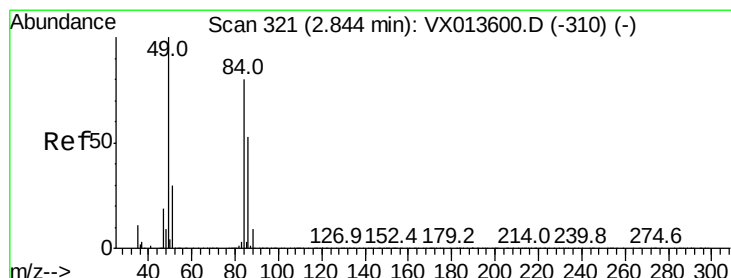
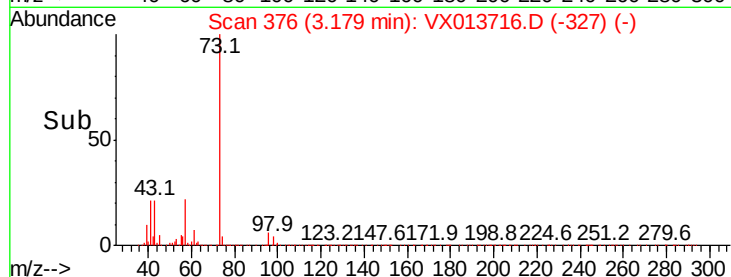
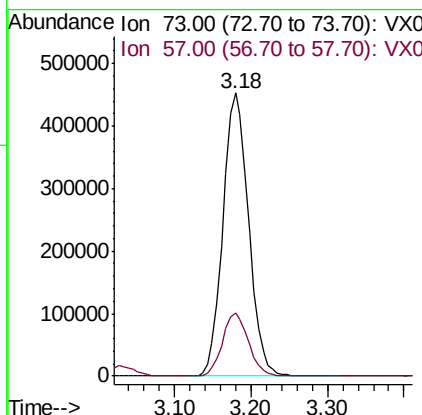
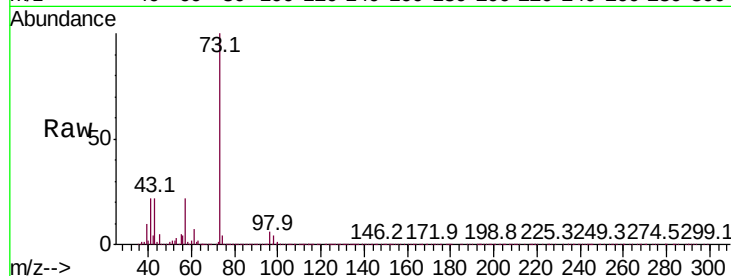




#19
Methyl tert-butyl Ether
Concen: 51.692 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

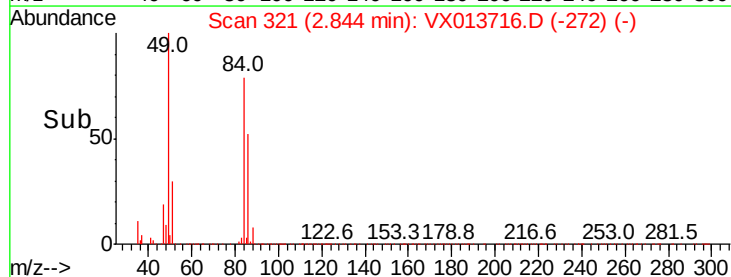
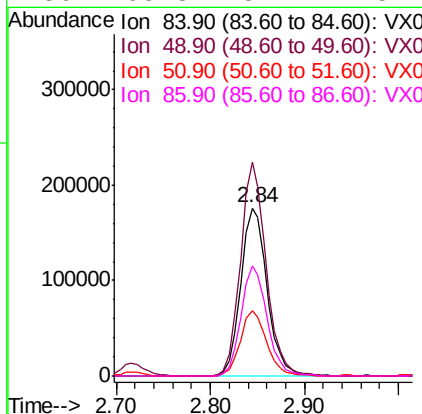
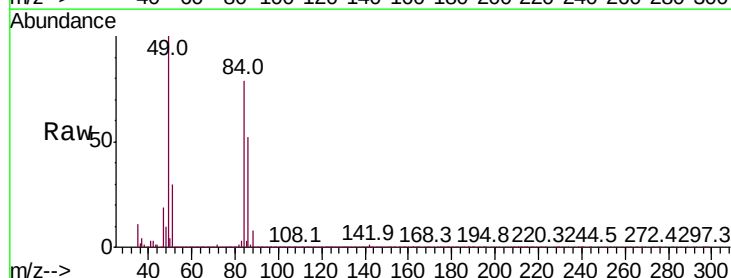
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

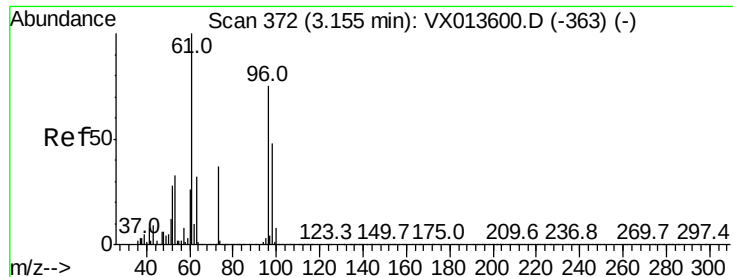
Tot Ion: 73 Resp: 1048107
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 48.566 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 84 Resp: 343894
Ion Ratio Lower Upper
84 100
49 126.9 99.7 149.5
51 38.4 29.9 44.9
86 65.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 47.670 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

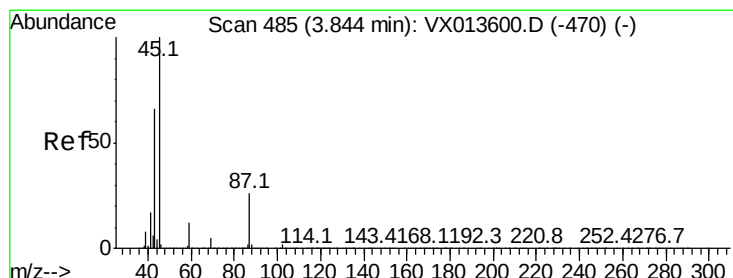
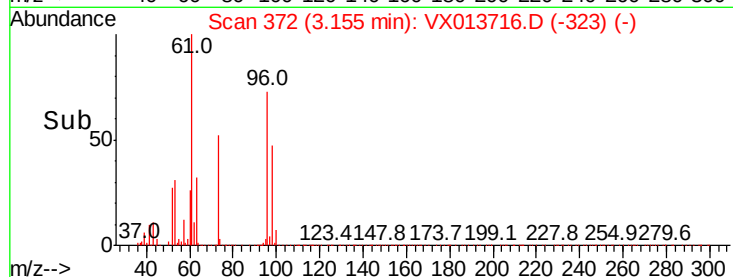
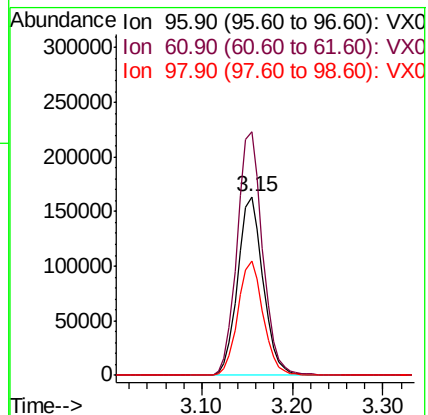
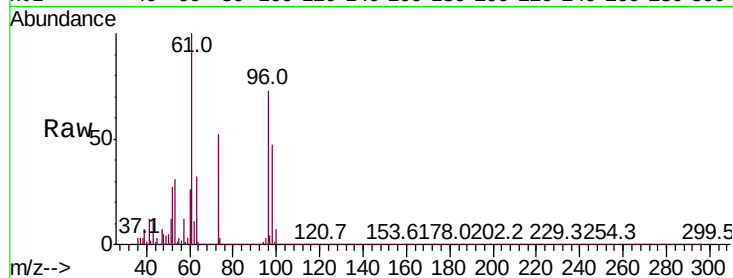
Tot Ion: 96 Resp: 317850

Ion Ratio Lower Upper

96 100

61 136.0 107.2 160.8

98 63.9 51.4 77.0



#22

Diisopropyl ether

Concen: 52.183 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion: 45 Resp: 1116068

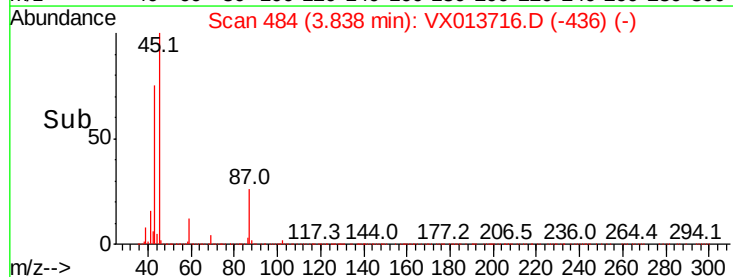
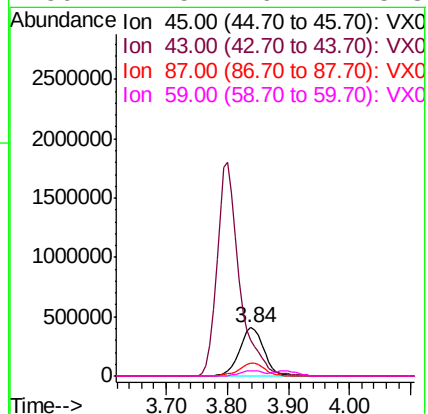
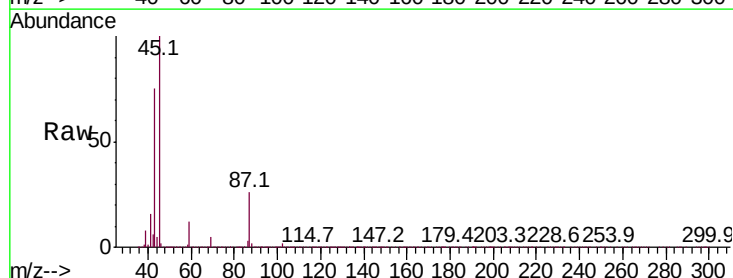
Ion Ratio Lower Upper

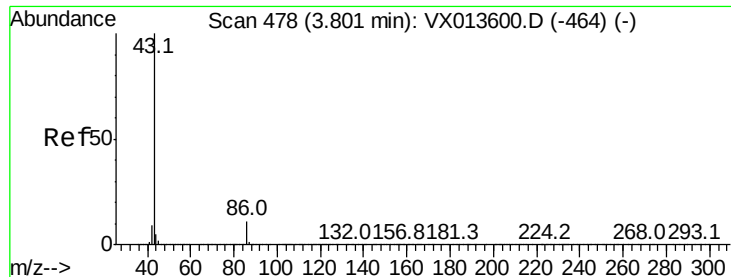
45 100

43 75.0 52.6 79.0

87 26.4 21.1 31.7

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 261.439 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

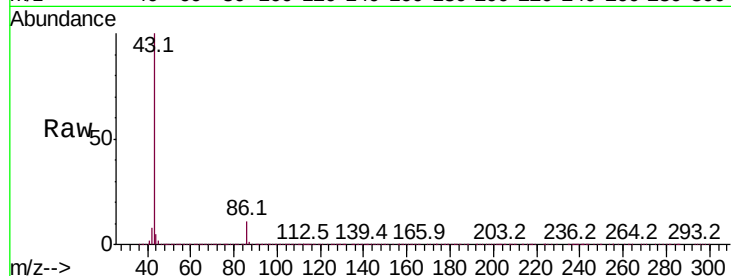
VSTDCCC050

Tot Ion: 43 Resp: 4651556

Ion Ratio Lower Upper

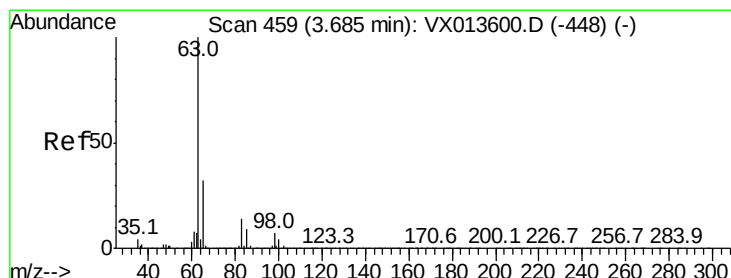
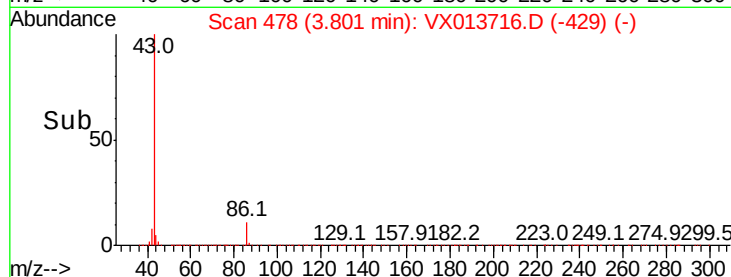
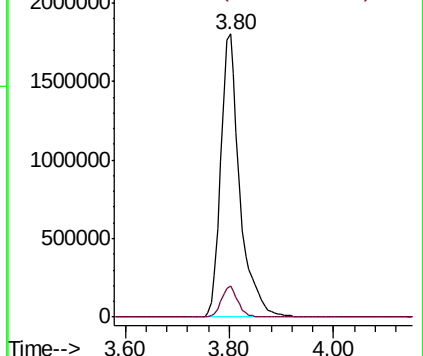
43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.984 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

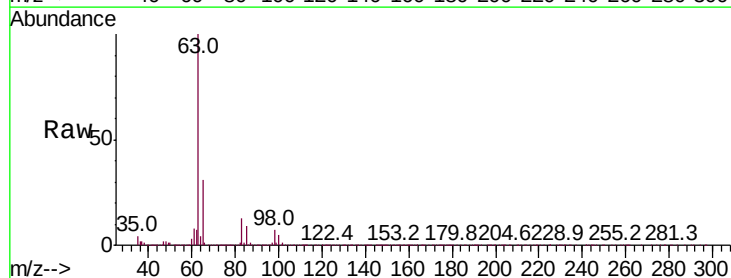
Tgt Ion: 63 Resp: 584399

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

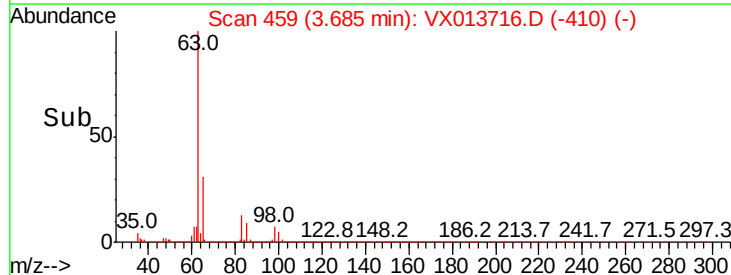
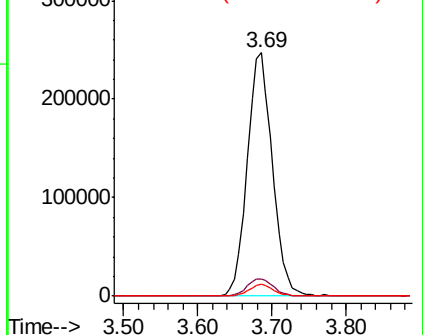
100 4.6 2.1 6.3

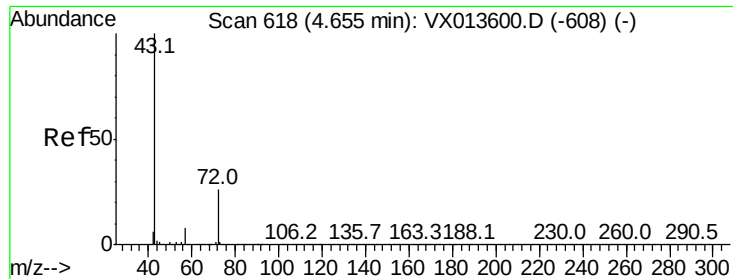


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 262.404 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

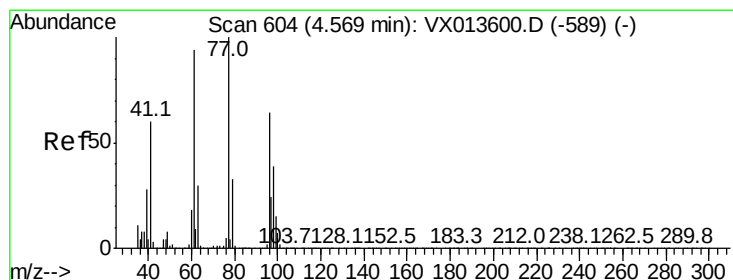
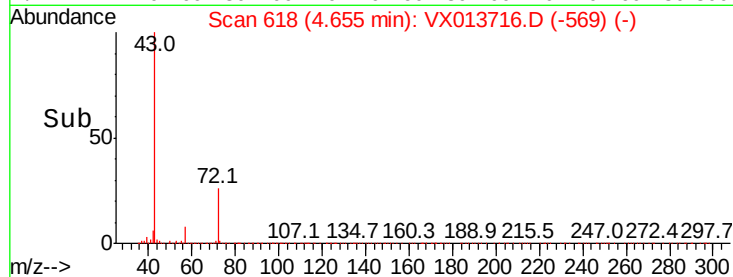
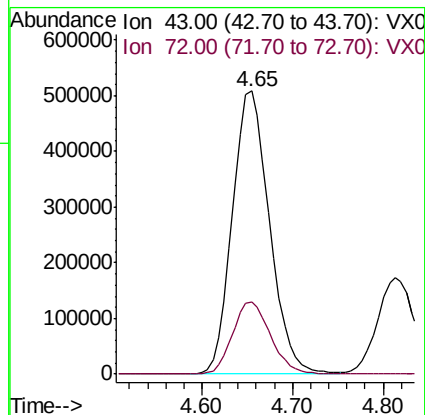
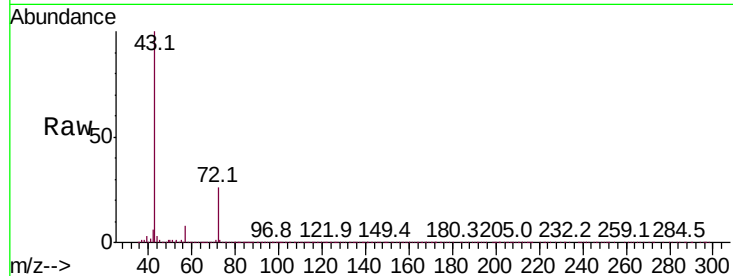
VSTDCCC050

Tot Ion: 43 Resp: 1437375

Ion Ratio Lower Upper

43 100

72 25.6 20.6 31.0



#26

2,2-Dichloropropane

Concen: 48.721 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013716.D

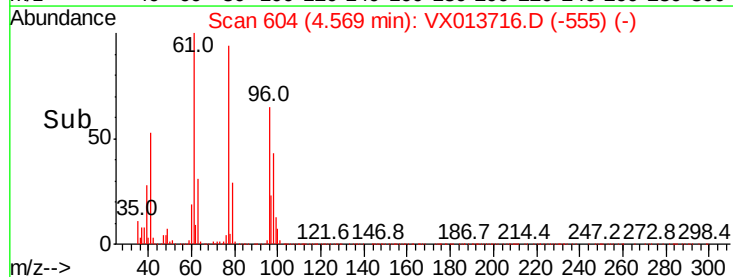
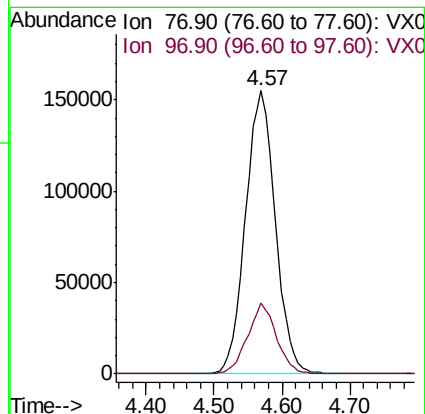
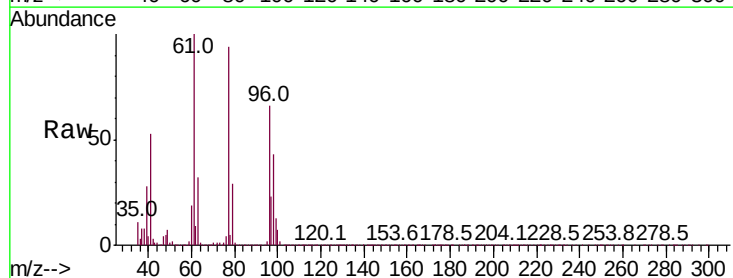
Acq: 03 Dec 2019 11:30

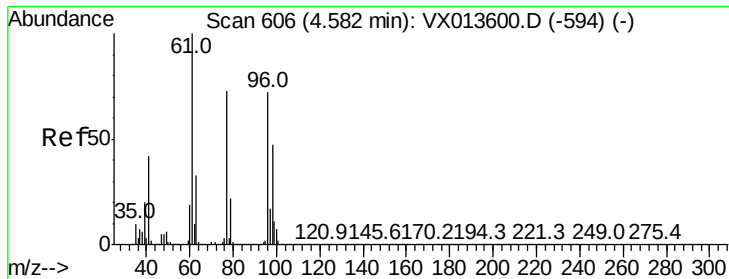
Tgt Ion: 77 Resp: 471298

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.1



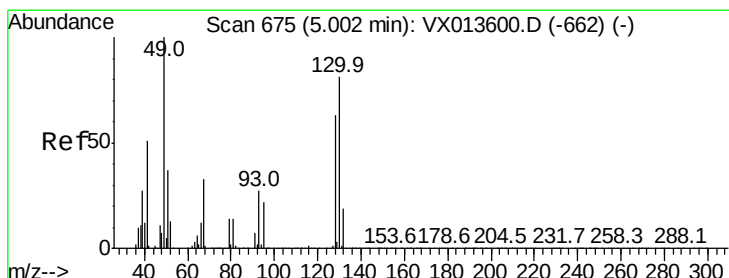
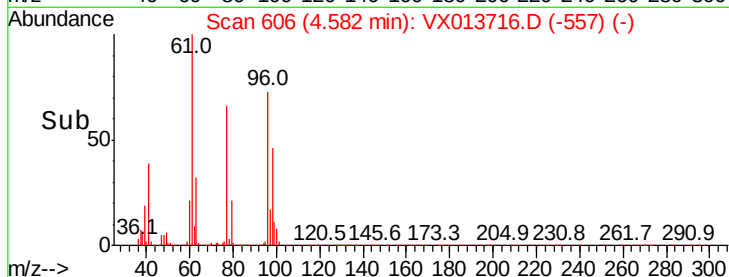
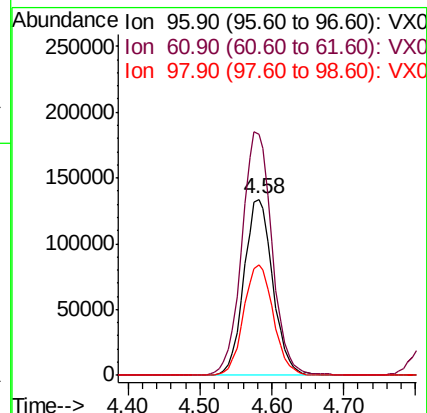
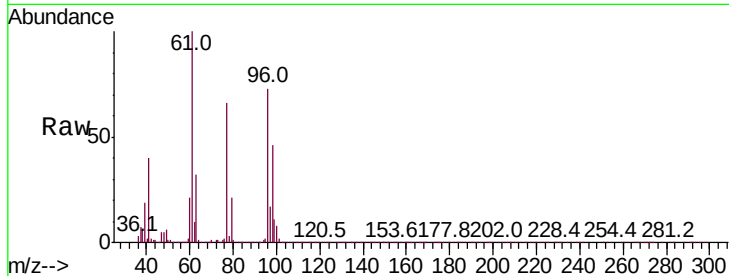


#27

cis-1,2-Dichloroethene
 Concen: 48.458 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

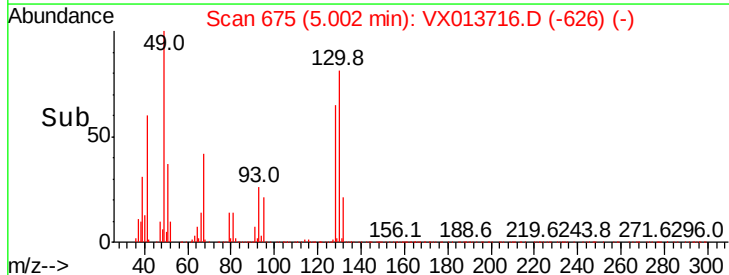
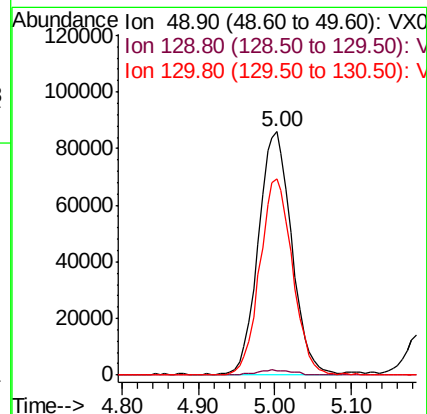
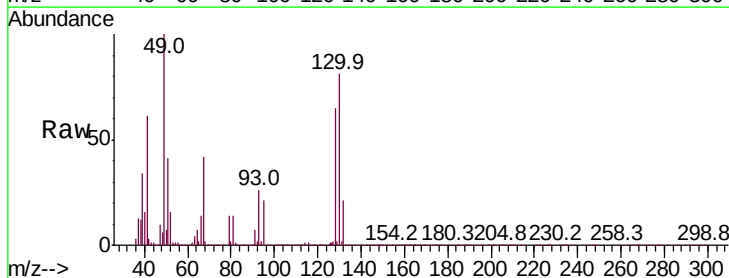
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	286.4
98	64.6	0.0	127.4

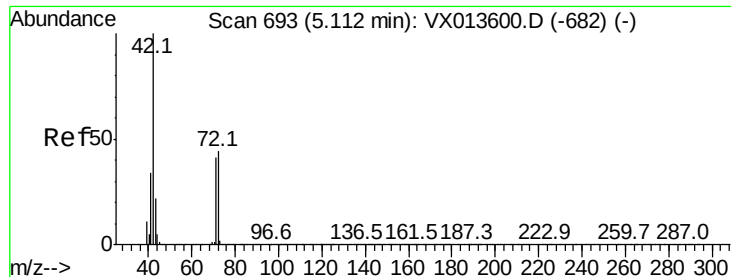


#28

Bromochloromethane
 Concen: 56.071 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	78.9	65.4	98.0





#29

Tetrahydrofuran

Concen: 249.378 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

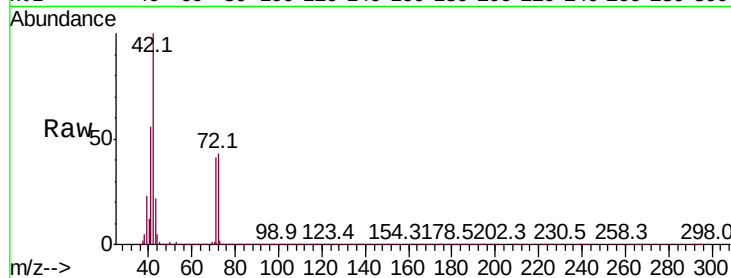
Tot Ion: 42 Resp: 842111

Ion Ratio Lower Upper

42 100

72 44.3 36.3 54.5

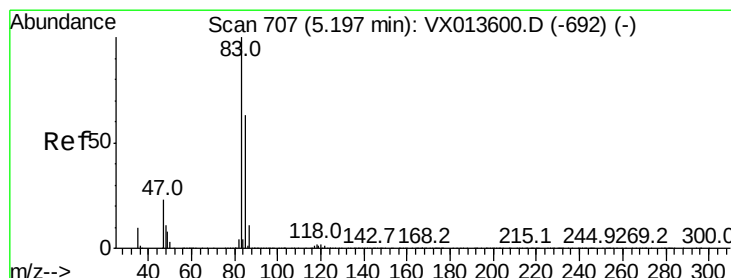
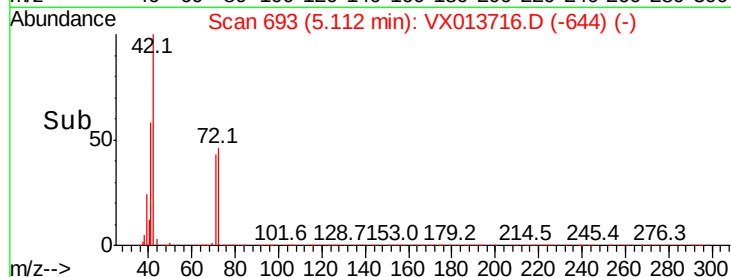
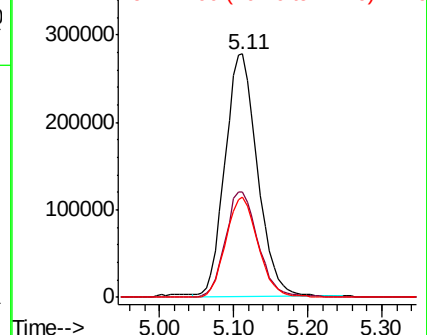
71 41.2 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.222 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013716.D

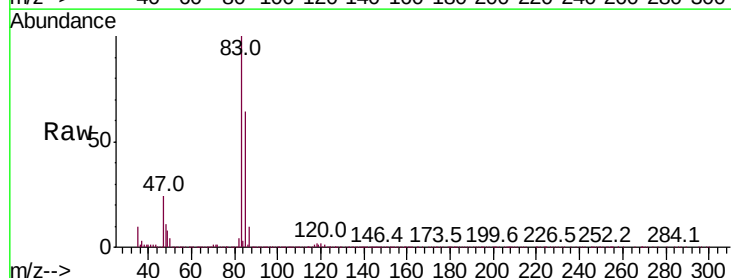
Acq: 03 Dec 2019 11:30

Tgt Ion: 83 Resp: 571777

Ion Ratio Lower Upper

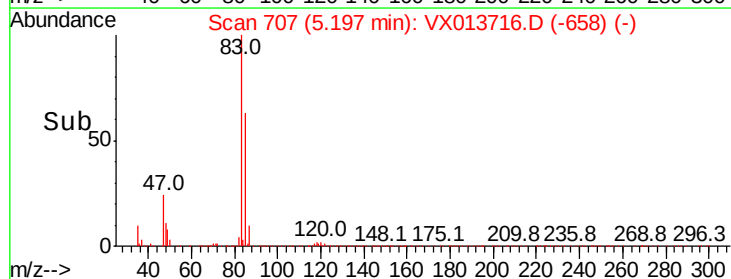
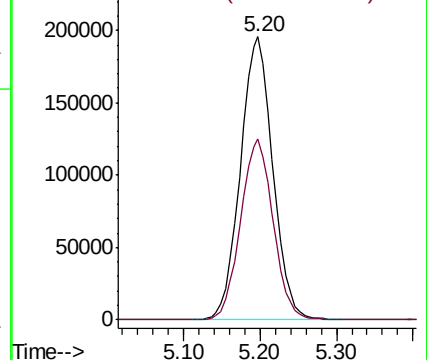
83 100

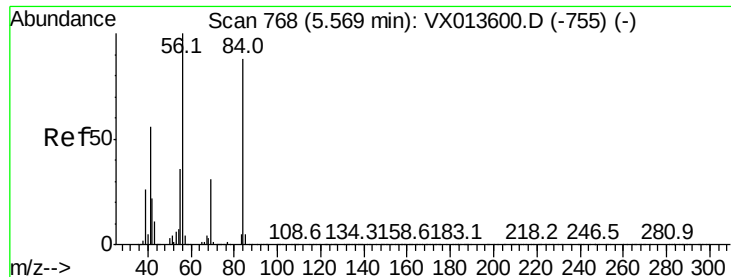
85 64.0 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

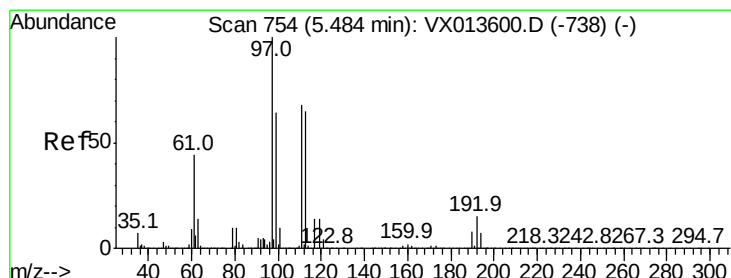
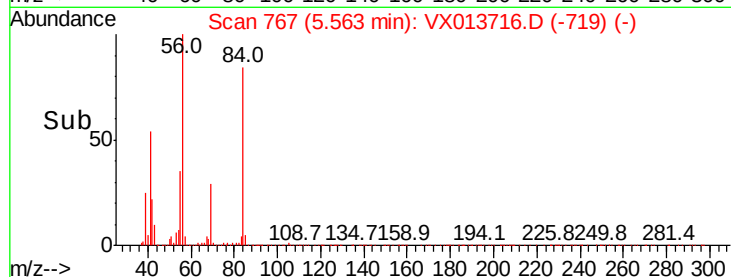
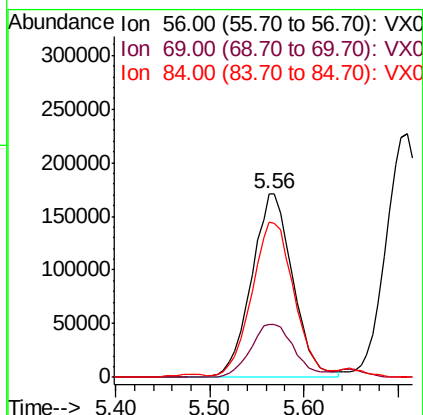
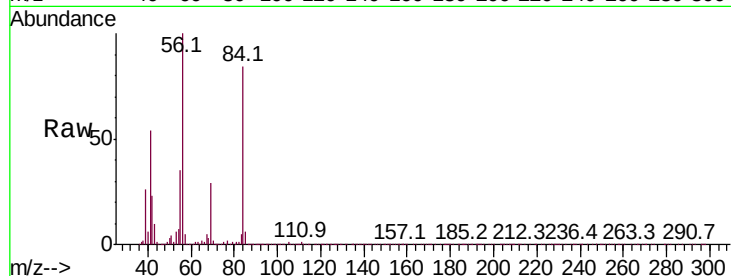




#31
Cyclohexane
Concen: 47.348 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

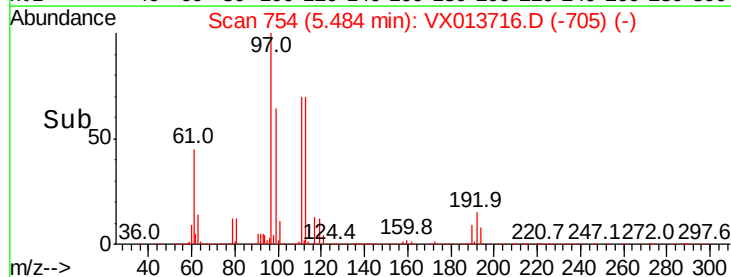
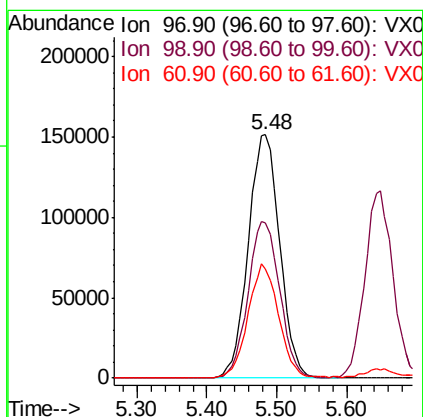
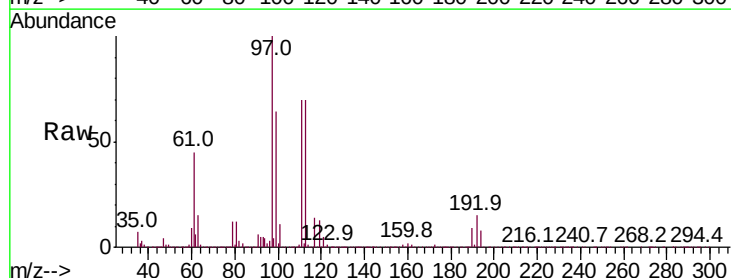
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

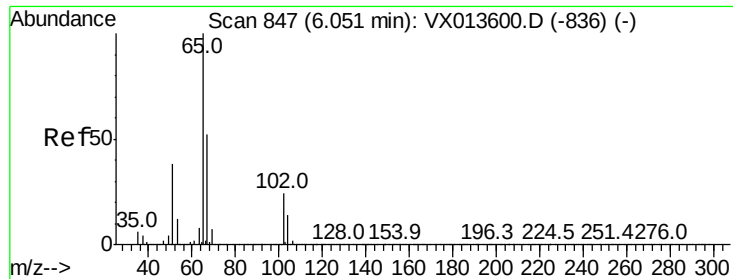
Tot Ion: 56 Resp: 522142
Ion Ratio Lower Upper
56 100
69 28.7 24.6 36.8
84 82.8 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 47.638 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 97 Resp: 472029
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 45.2 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 49.828 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

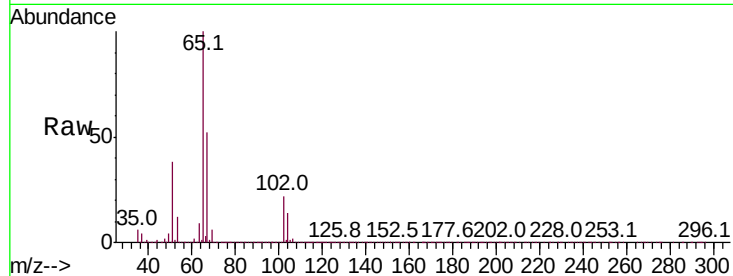
VSTDCCC050

Tot Ion: 65 Resp: 371981

Ion Ratio Lower Upper

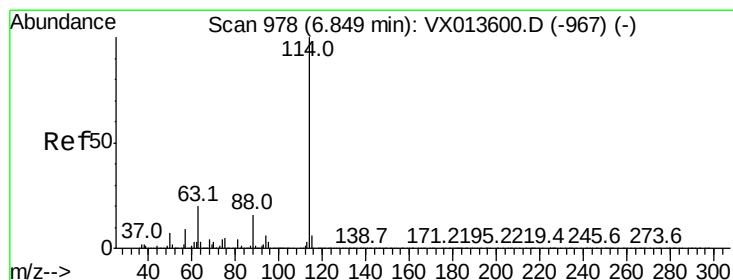
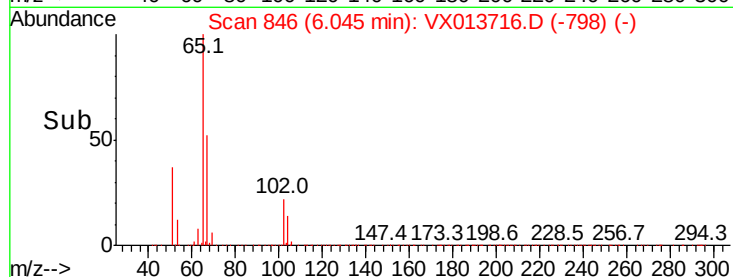
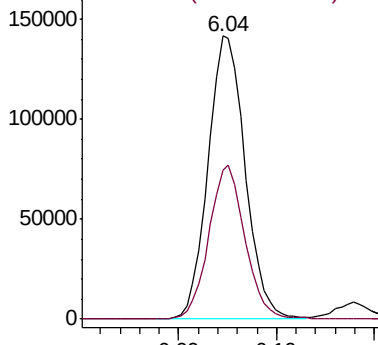
65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

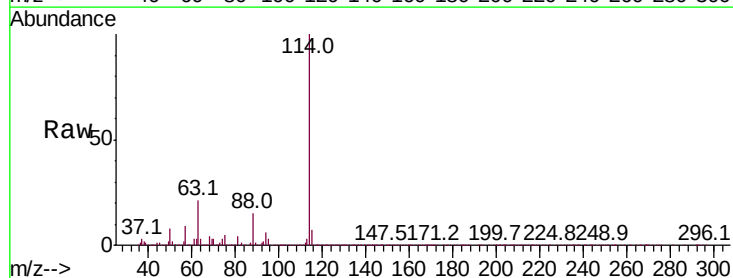
Tgt Ion: 114 Resp: 982423

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

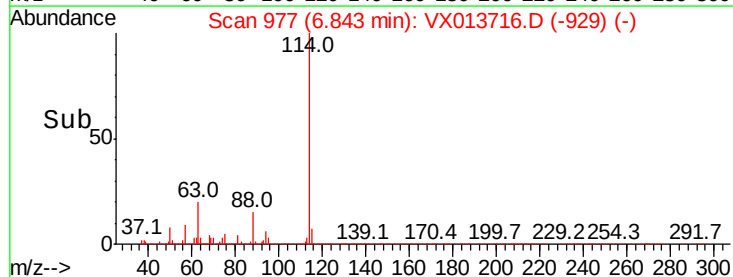
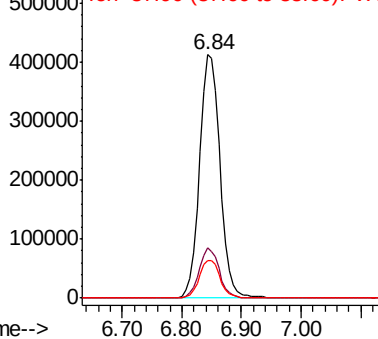
88 15.4 0.0 31.4

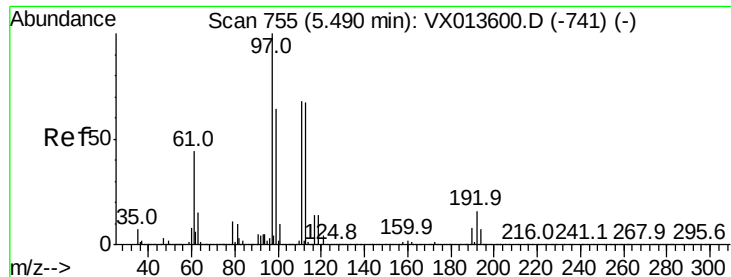


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

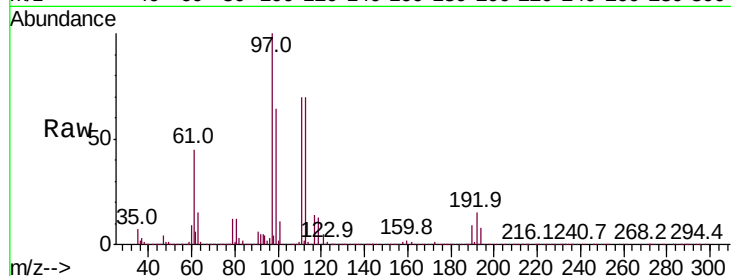




#35
 Dibromofluoromethane
 Concen: 49.632 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.6	125.4
192	23.2	19.2	28.8

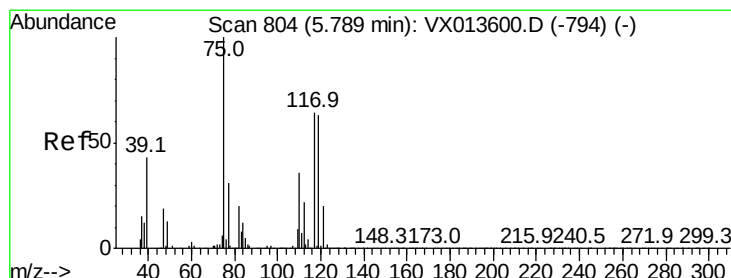
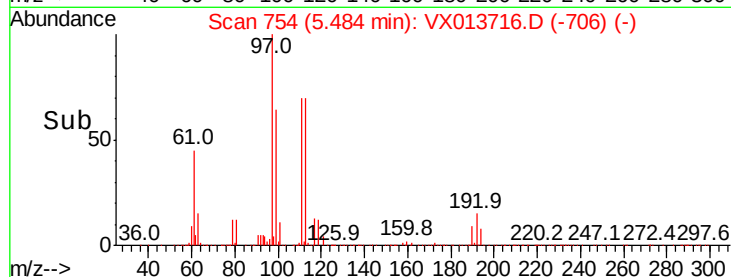
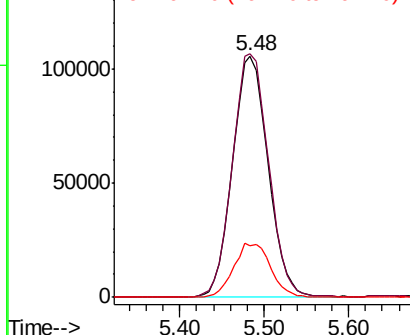


Abundance

Ion 112.80 (112.50 to 113.50): V

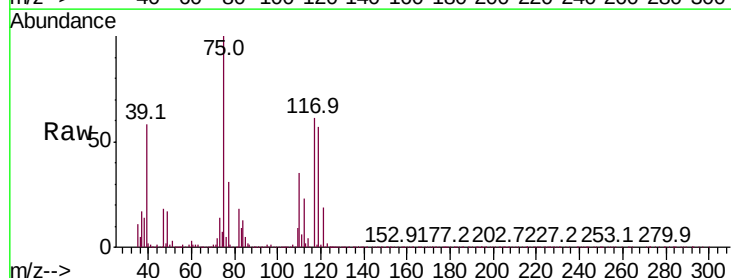
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.785 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	30.6	24.5	36.7

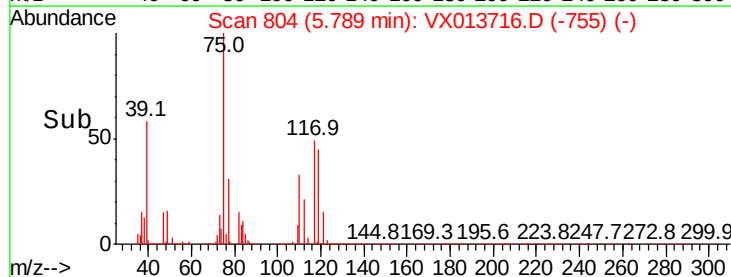
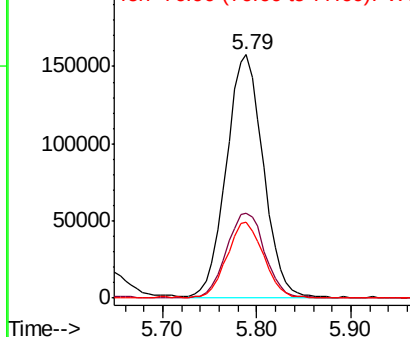


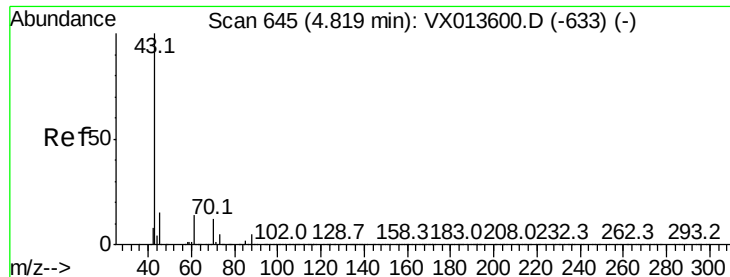
Abundance

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: 50.389 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

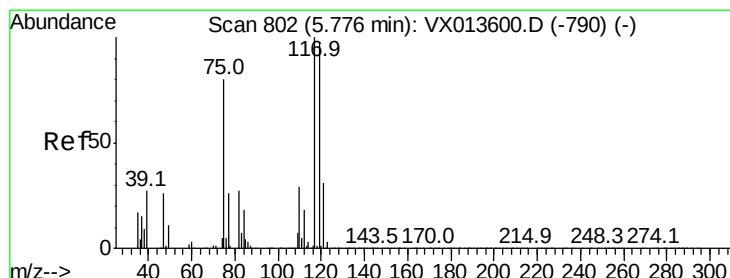
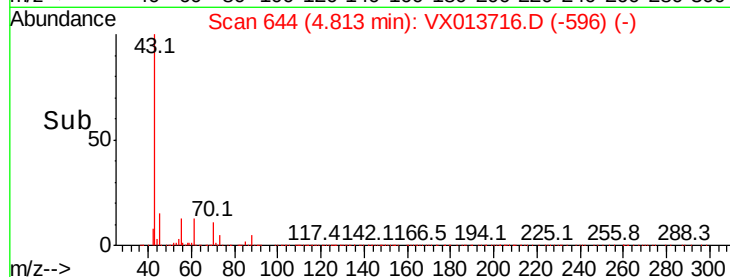
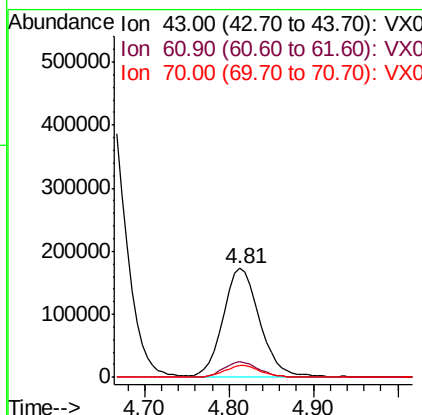
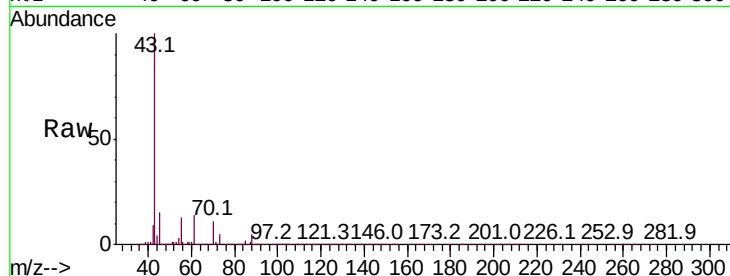
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 504118

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.6	8.6	12.8



#38

Carbon Tetrachloride

Concen: 49.435 ug/l

RT: 5.77 min Scan# 801

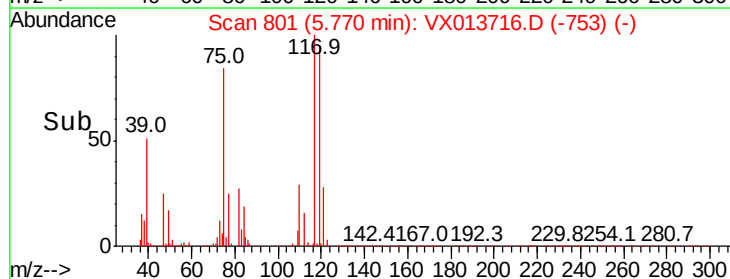
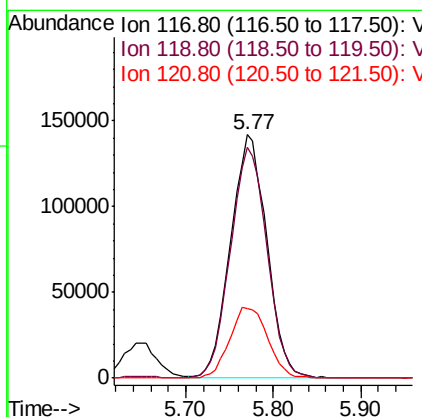
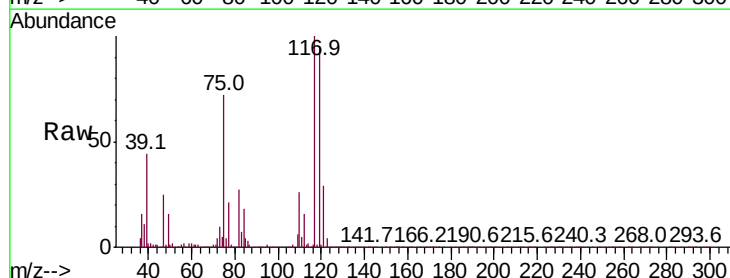
Delta R.T. -0.01 min

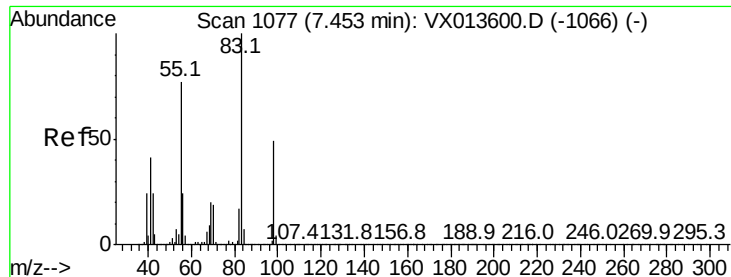
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion: 117 Resp: 406508

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.5	116.3
121	28.8	25.0	37.6

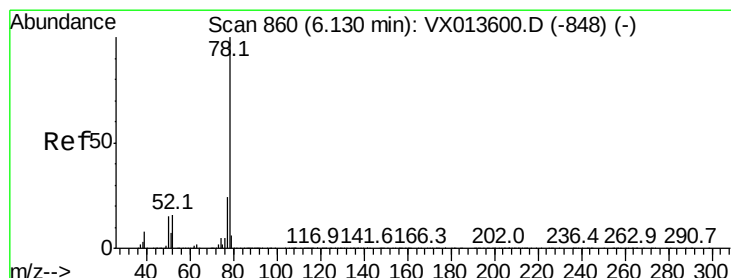
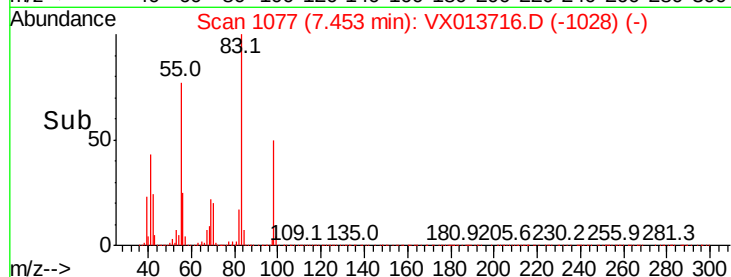
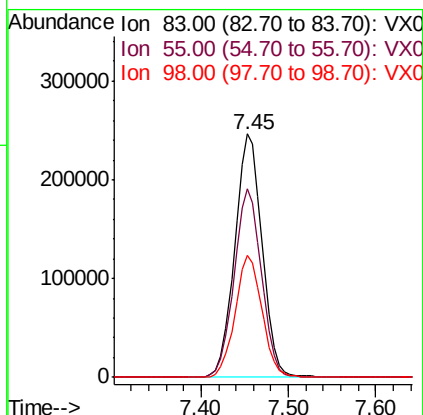
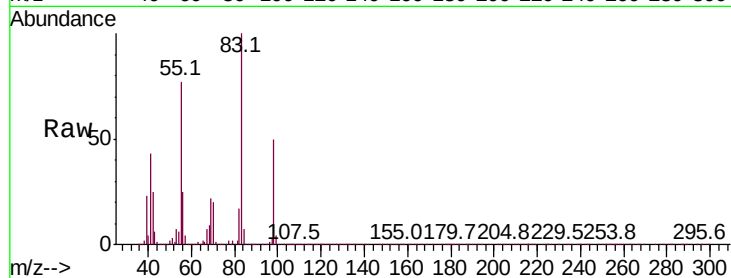




#39
Methylvlcyclohexane
Concen: 48.344 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

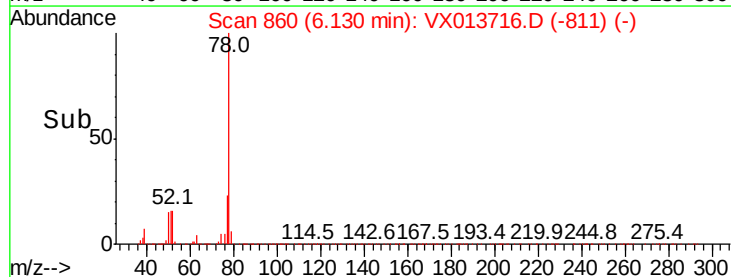
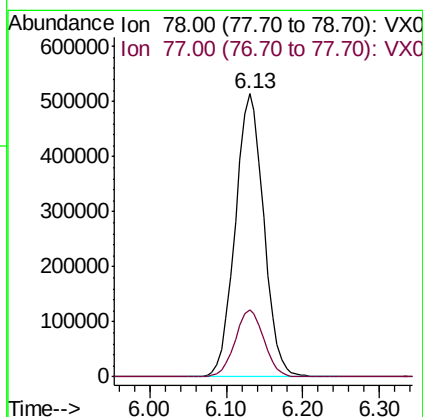
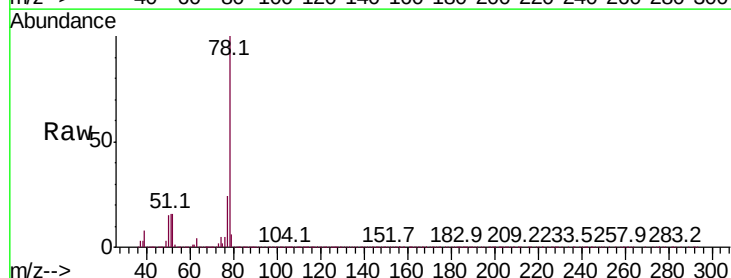
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

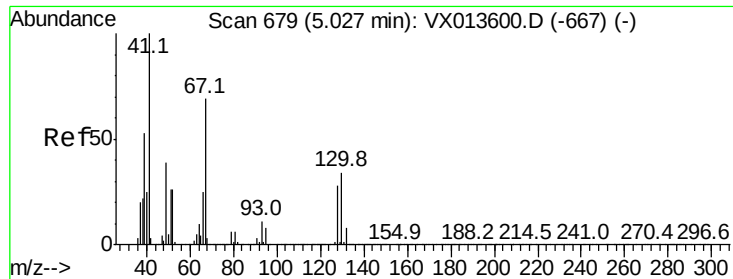
Tot Ion: 83 Resp: 532910
Ion Ratio Lower Upper
83 100
55 77.3 61.9 92.9
98 49.9 39.4 59.0



#40
Benzene
Concen: 48.783 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 78 Resp: 1324998
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 52.199 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 286401

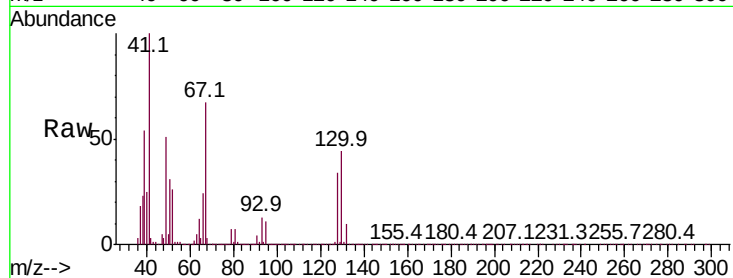
Ion Ratio Lower Upper

41 100

39 55.4 42.9 64.3

67 71.5 57.4 86.0

52 29.3 22.4 33.6



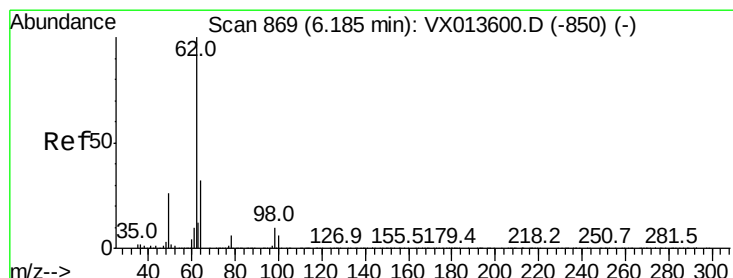
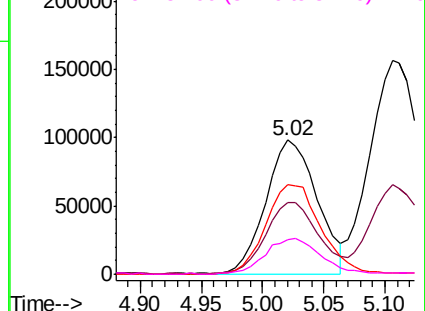
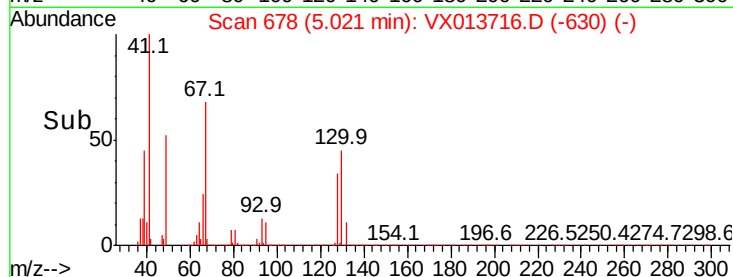
Abundance

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: 50.726 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013716.D

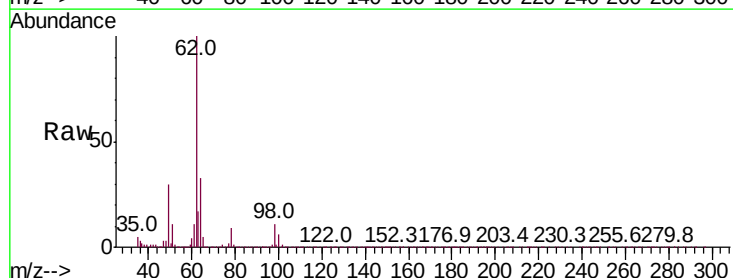
Acq: 03 Dec 2019 11:30

Tgt Ion: 62 Resp: 469877

Ion Ratio Lower Upper

62 100

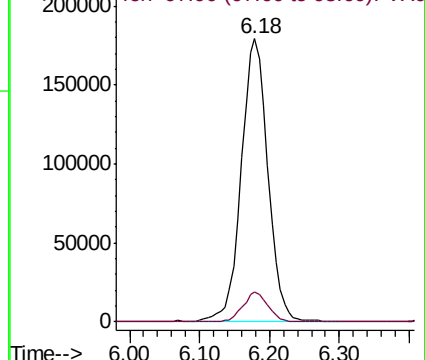
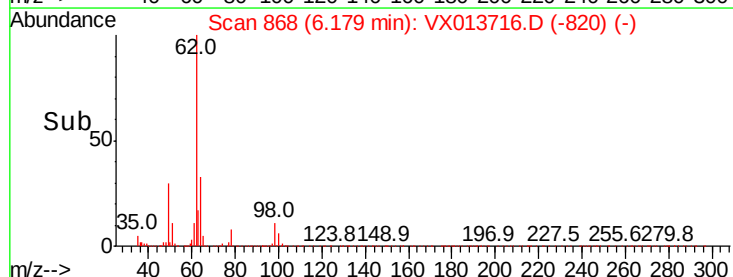
98 10.0 0.0 20.8

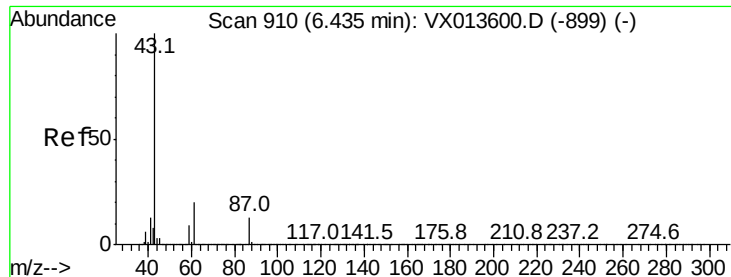


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.215 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

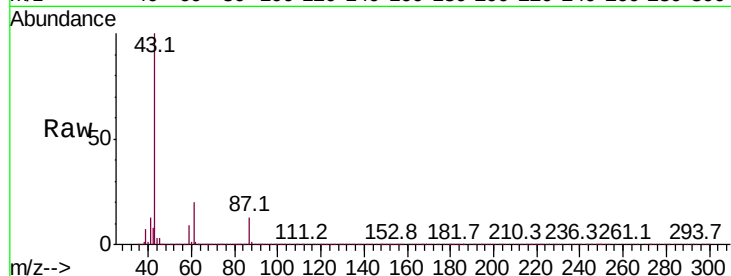
Tot Ion: 43 Resp: 843552

Ion Ratio Lower Upper

43 100

61 20.1 16.3 24.5

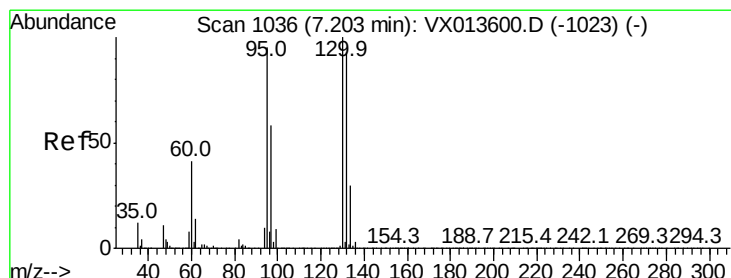
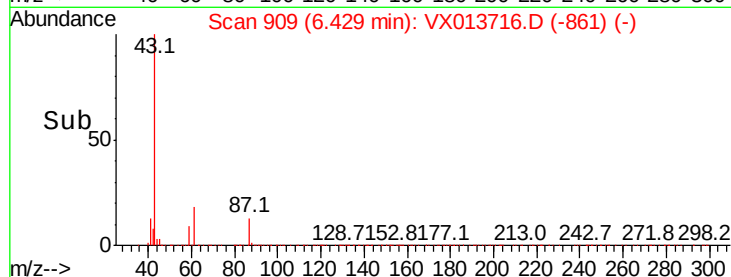
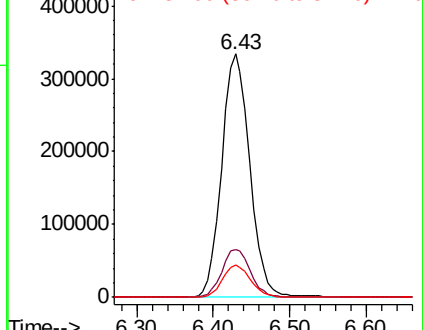
87 13.2 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.098 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013716.D

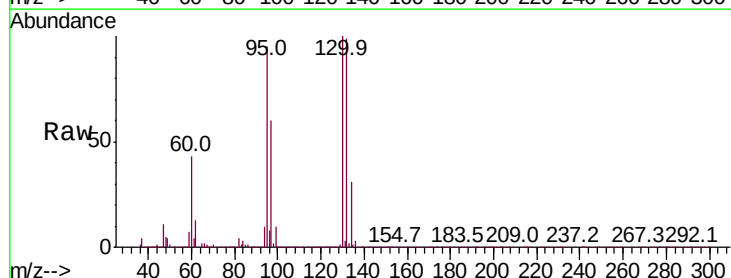
Acq: 03 Dec 2019 11:30

Tgt Ion: 130 Resp: 351080

Ion Ratio Lower Upper

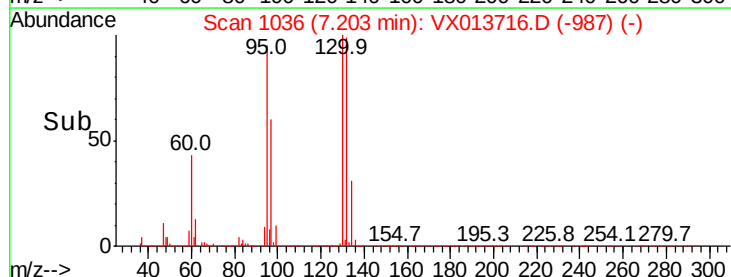
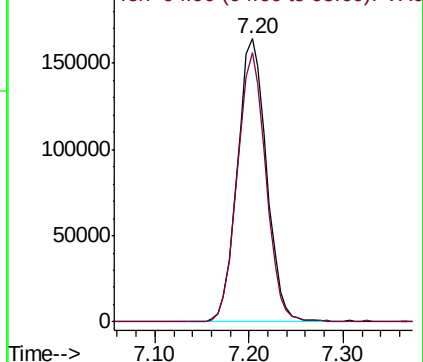
130 100

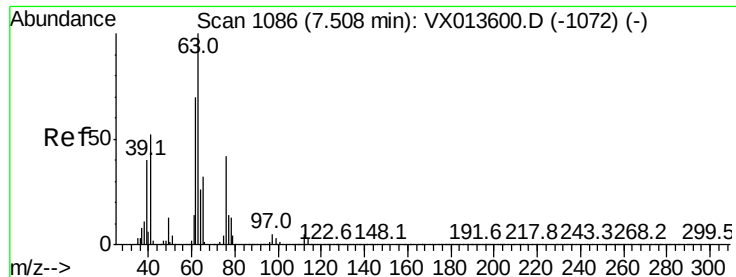
95 95.3 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.624 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

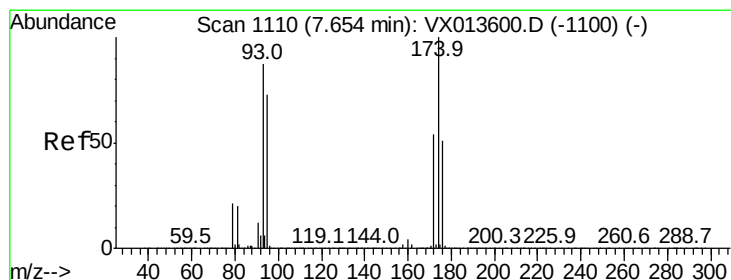
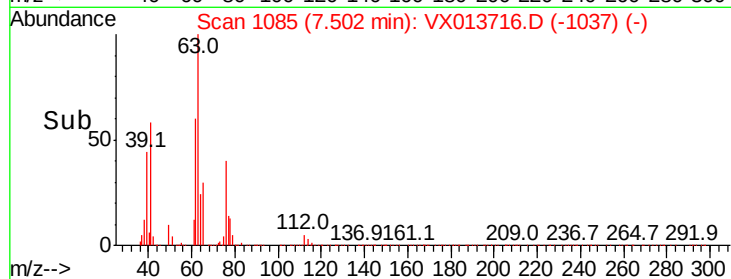
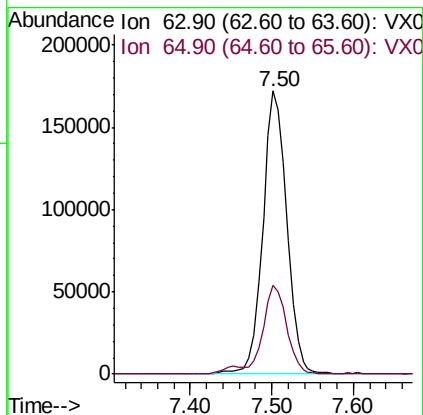
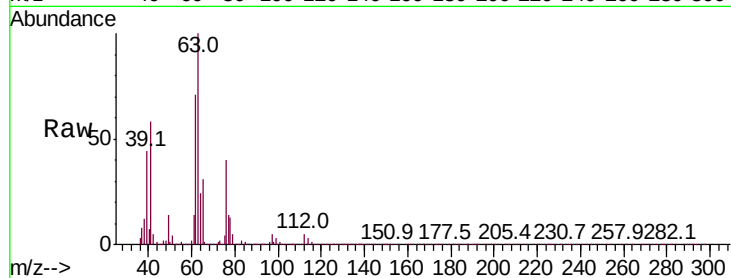
VSTDCCC050

Tot Ion: 63 Resp: 350820

Ion Ratio Lower Upper

63 100

65 31.3 25.5 38.3



#46

Dibromomethane

Concen: 49.634 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

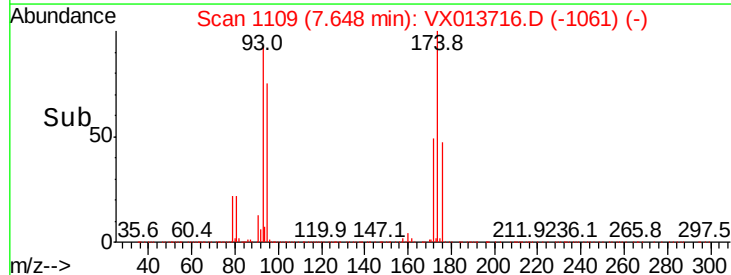
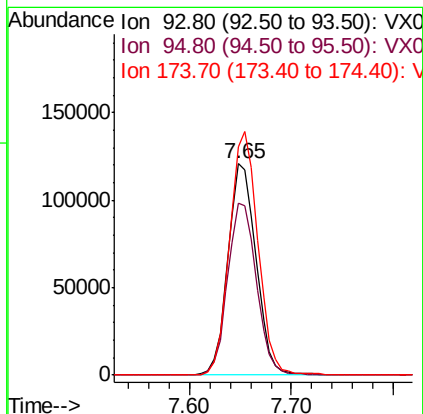
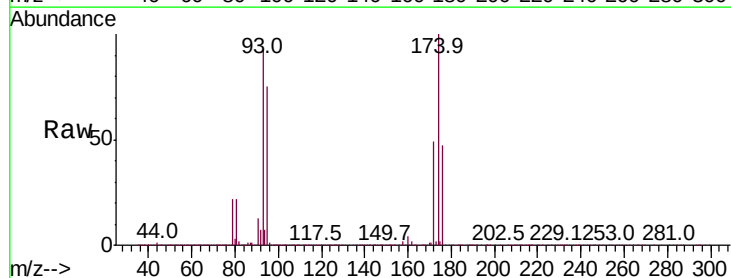
Tgt Ion: 93 Resp: 229082

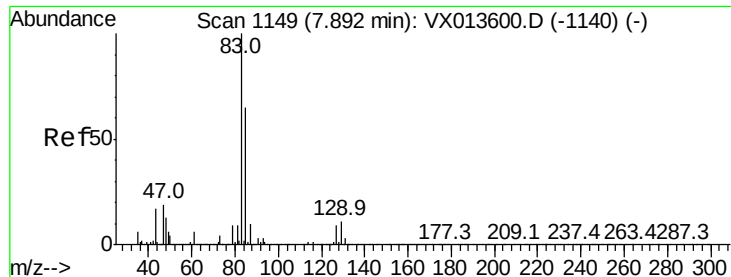
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.2

174 116.2 93.4 140.0





#47

Bromodichloromethane

Concen: 53.056 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

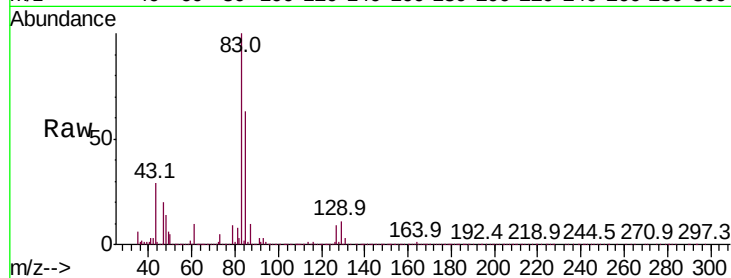
Tot Ion: 83 Resp: 462925

Ion Ratio Lower Upper

83 100

85 62.5 52.1 78.1

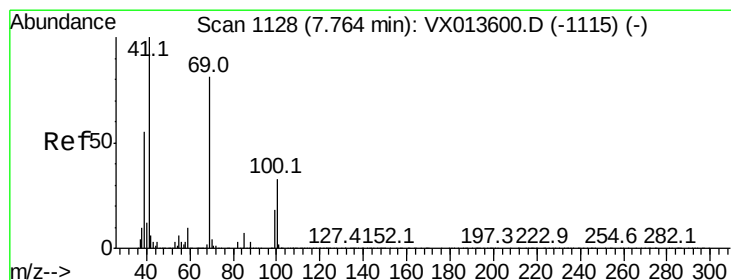
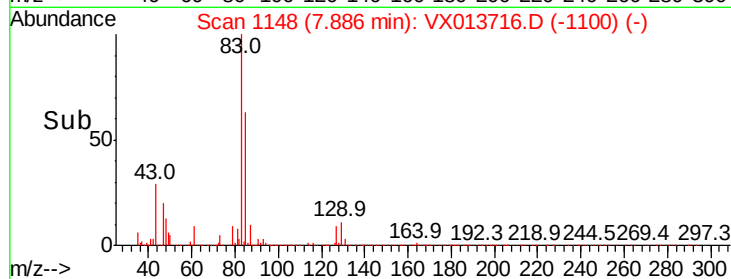
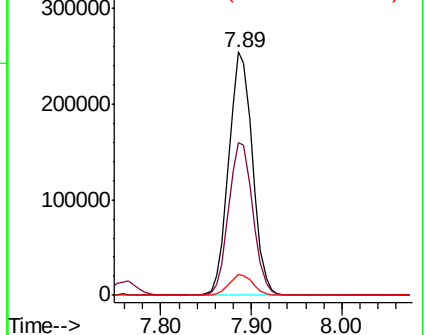
127 8.7 7.0 10.4



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: 52.308 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

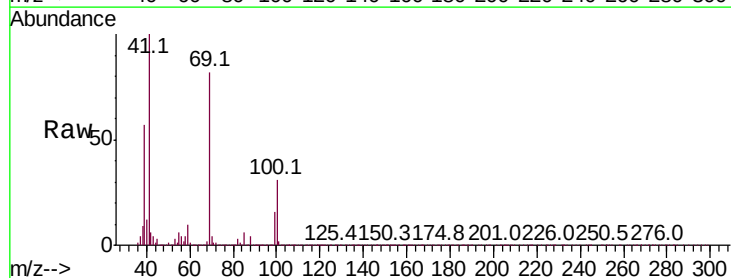
Tgt Ion: 41 Resp: 418608

Ion Ratio Lower Upper

41 100

69 81.2 64.7 97.1

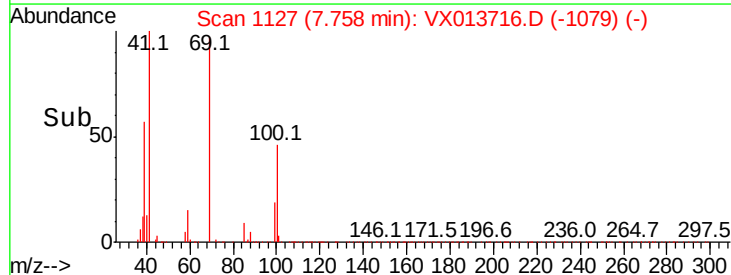
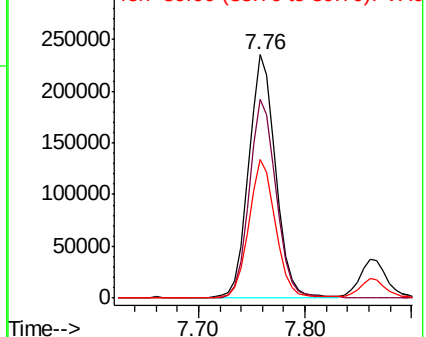
39 56.0 43.8 65.6

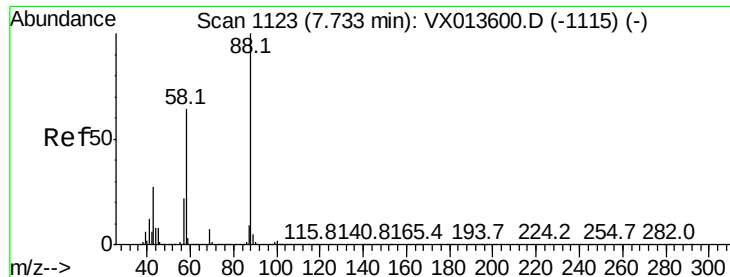


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 862.908 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

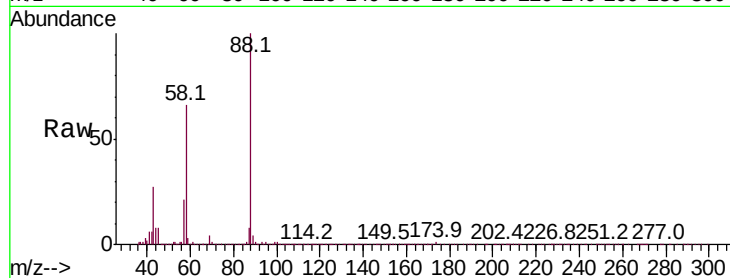
Tot Ion: 88 Resp: 154574

Ion Ratio Lower Upper

88 100

43 32.9 25.8 38.6

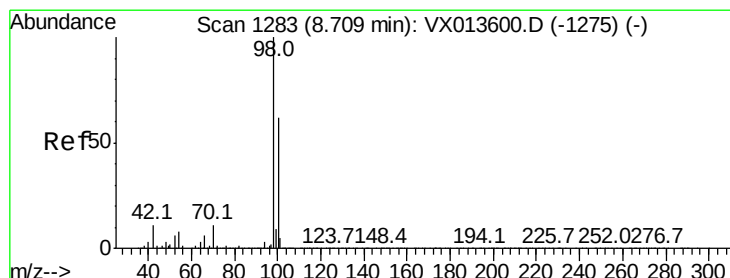
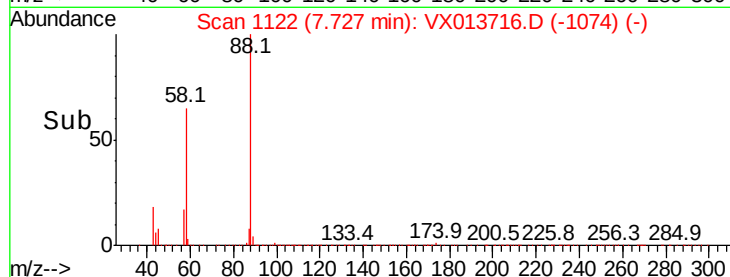
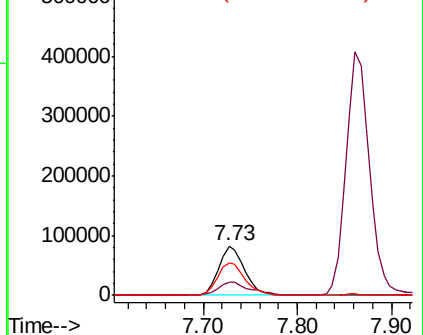
58 70.6 54.6 82.0



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: 48.508 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013716.D

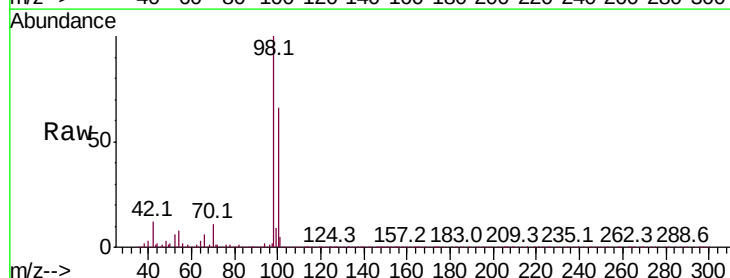
Acq: 03 Dec 2019 11:30

Tgt Ion: 98 Resp: 1147841

Ion Ratio Lower Upper

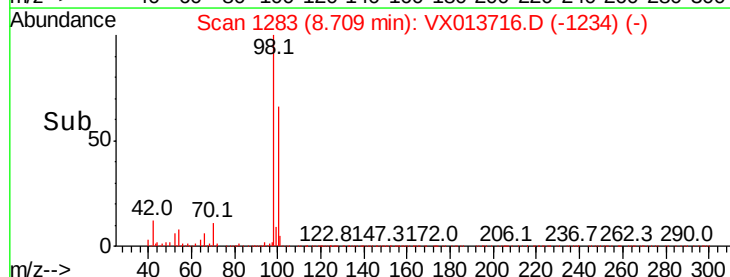
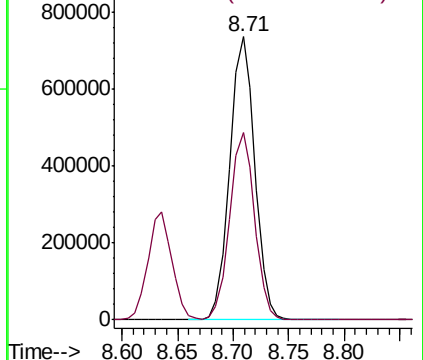
98 100

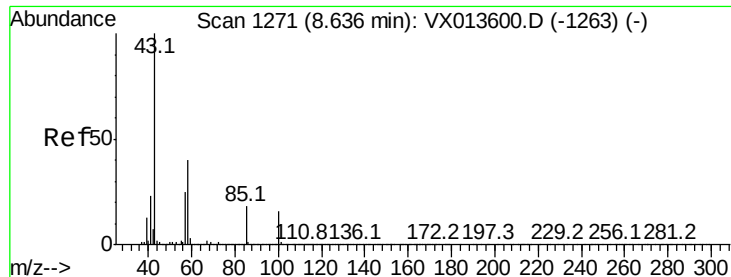
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

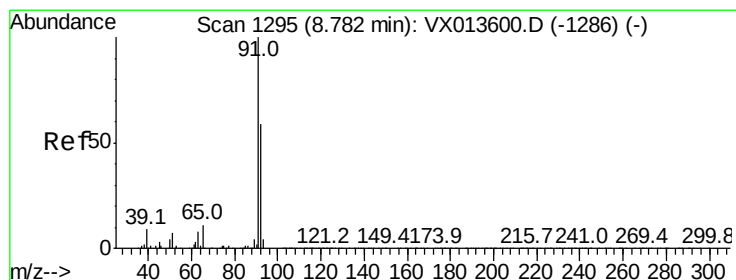
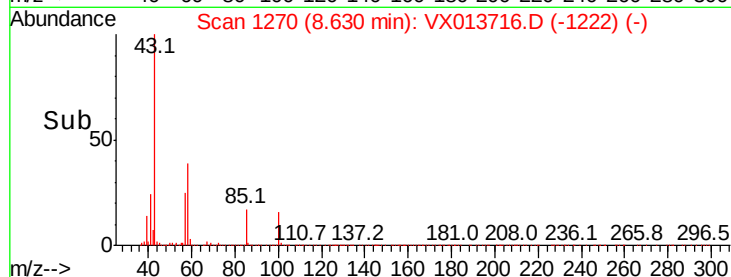
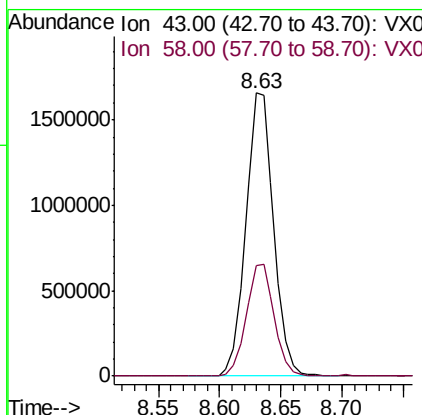
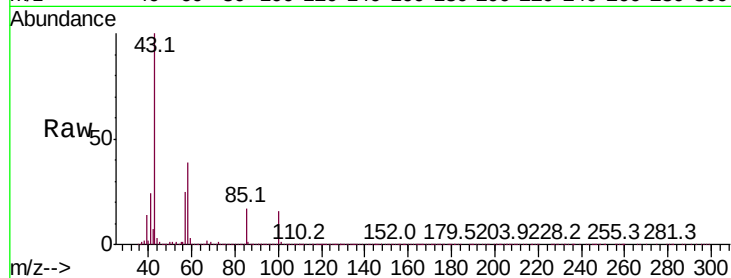




#51
4-Methyl-2-Pentanone
Concen: 251.654 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

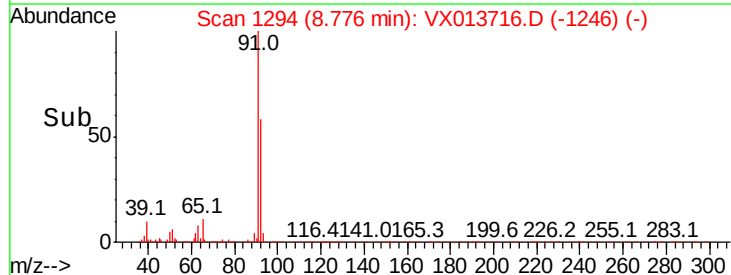
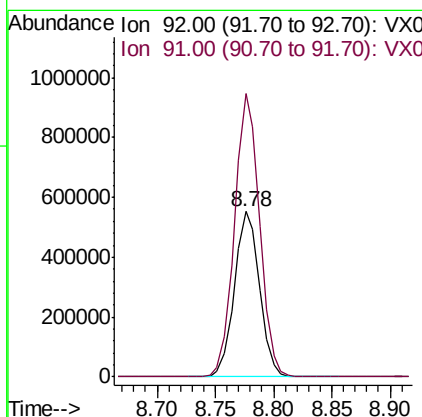
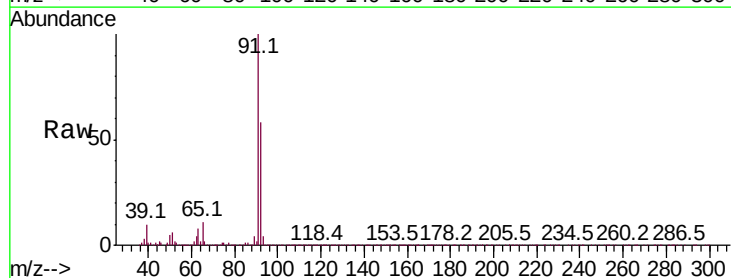
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

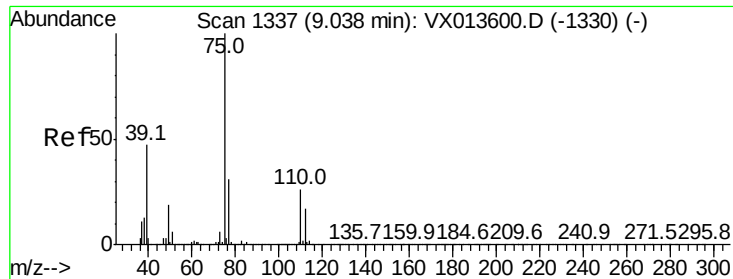
Tot Ion: 43 Resp: 2607247
Ion Ratio Lower Upper
43 100
58 39.6 32.1 48.1



#52
Toluene
Concen: 49.258 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 92 Resp: 831151
Ion Ratio Lower Upper
92 100
91 170.8 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 53.507 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

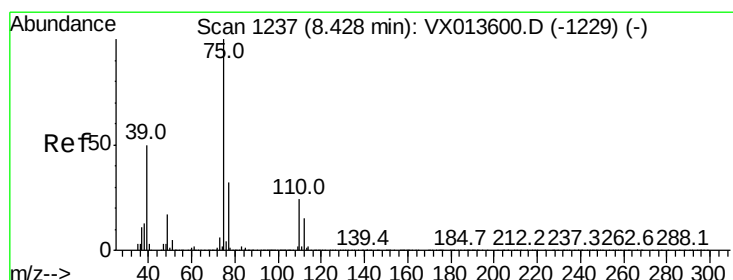
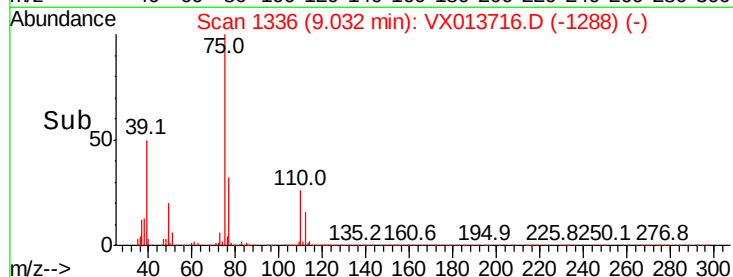
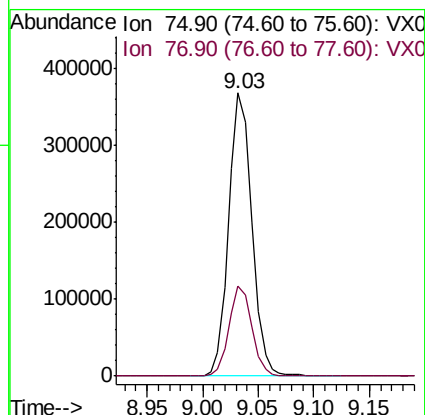
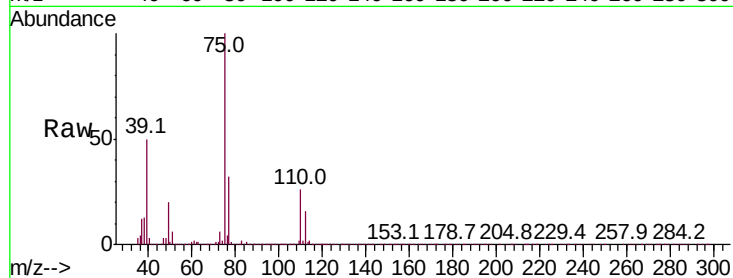
VSTDCCC050

Tot Ion: 75 Resp: 531403

Ion Ratio Lower Upper

75 100

77 31.9 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 53.020 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

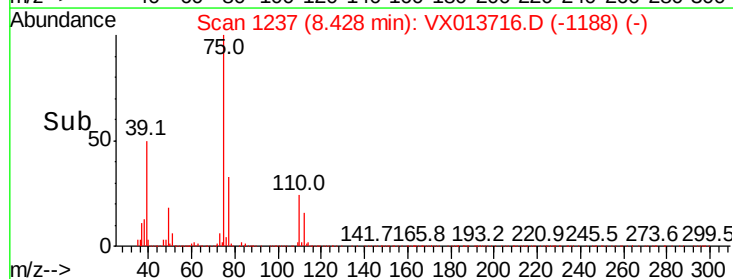
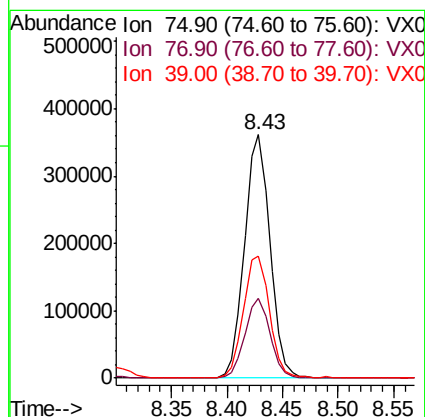
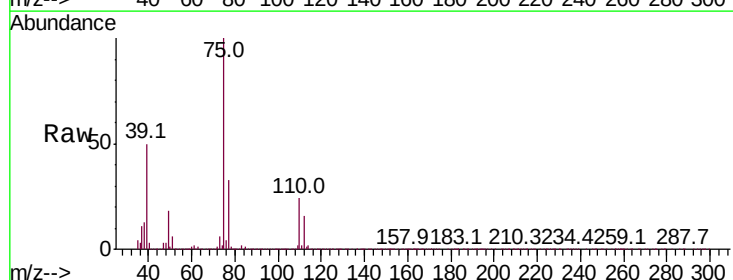
Tgt Ion: 75 Resp: 575283

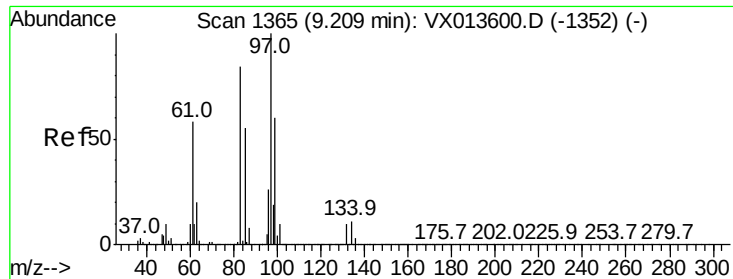
Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

39 50.1 39.9 59.9

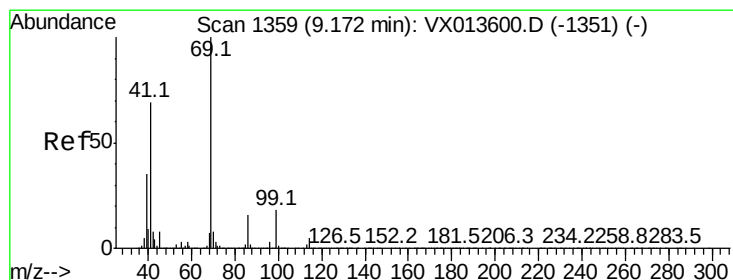
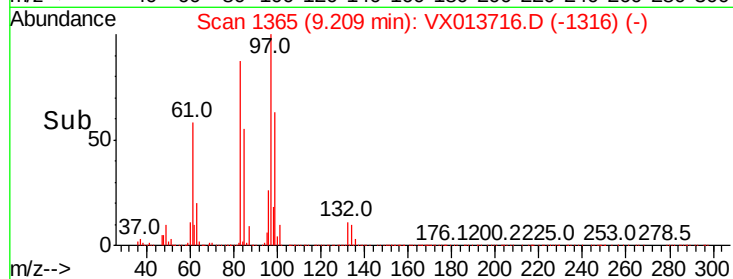
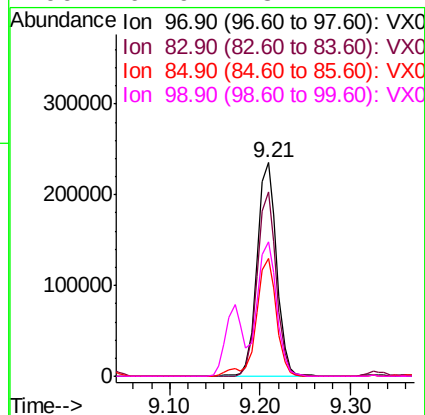
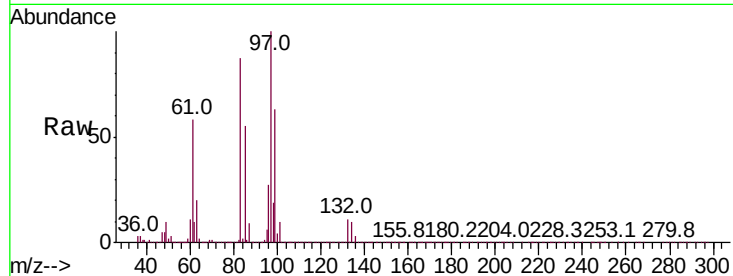




#55
 1,1,2-Trichloroethane
 Concen: 51.241 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

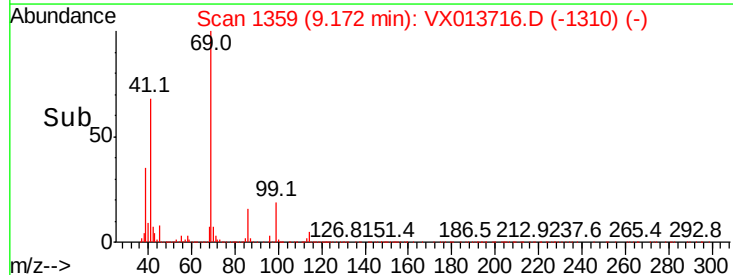
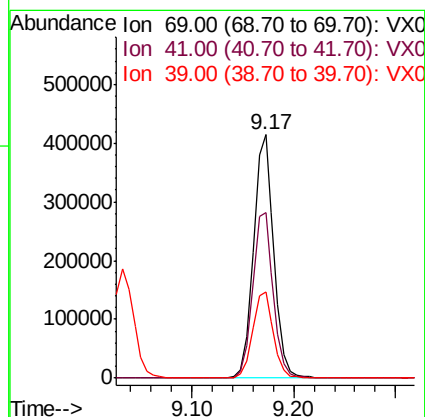
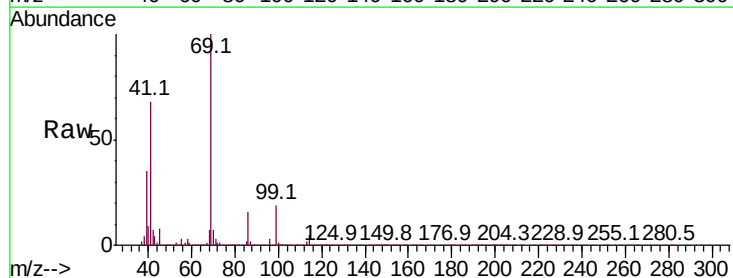
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

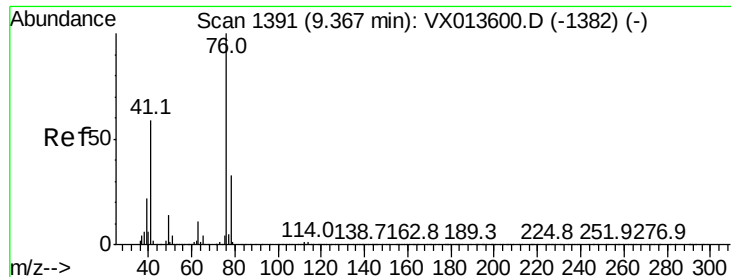
Tot Ion:	97	Resp:	348423
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.3	100.9
85	55.2	43.6	65.4
99	62.9	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 52.313 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Tgt Ion:	69	Resp:	571898
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.0	82.4
39	35.9	28.7	43.1





#57

1,3-Dichloropropane

Concen: 50.448 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

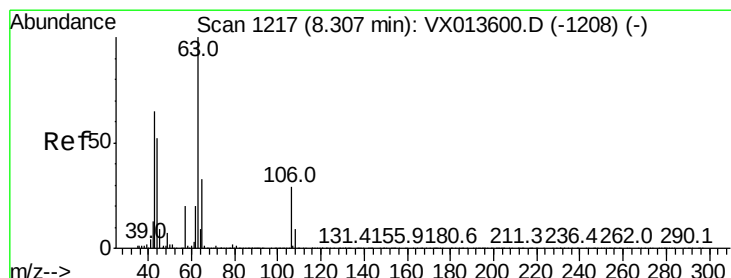
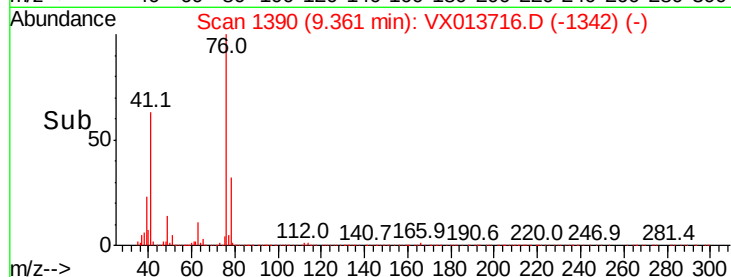
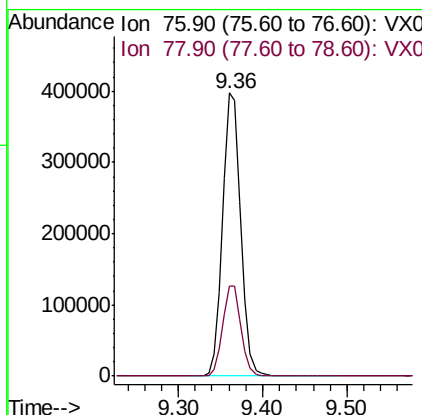
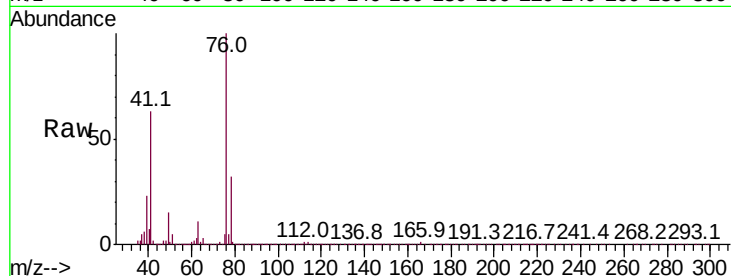
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 591279

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0



#58

2-Chloroethyl Vinyl ether

Concen: 258.684 ug/l

RT: 8.30 min Scan# 1216

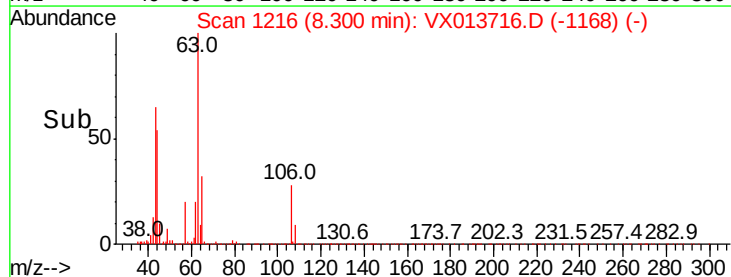
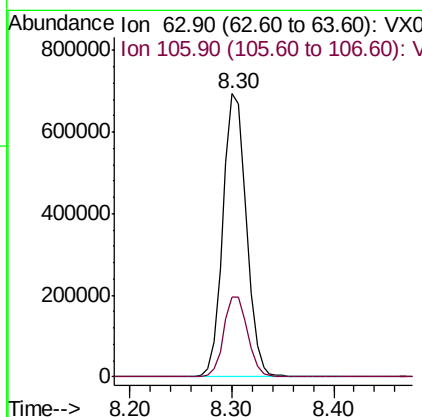
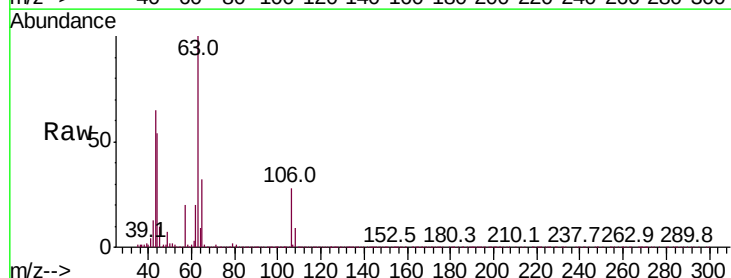
Delta R.T. -0.01 min

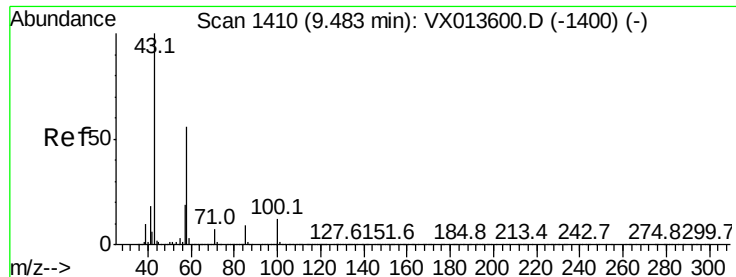
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion: 63 Resp: 1108783

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.4	35.0

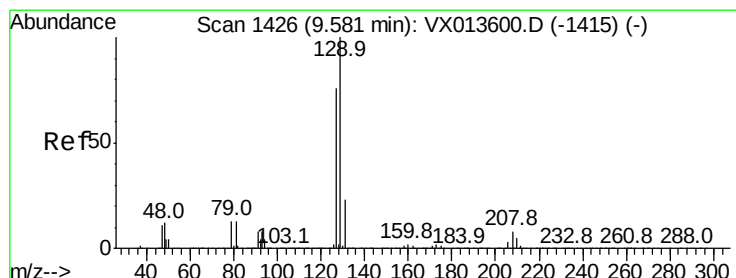
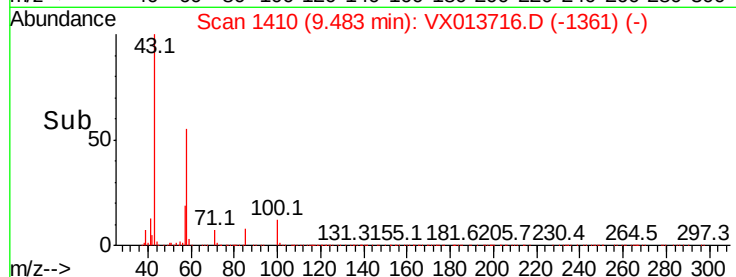
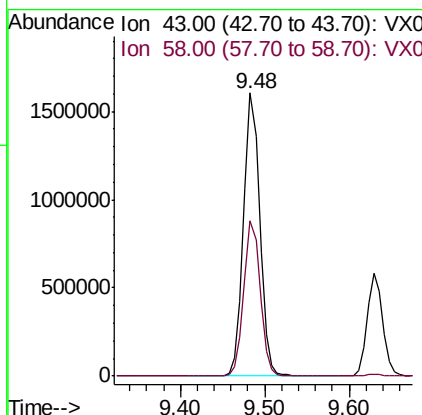
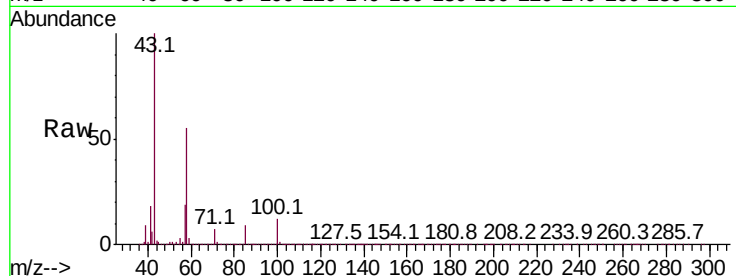




#59
2-Hexanone
Concen: 255.013 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

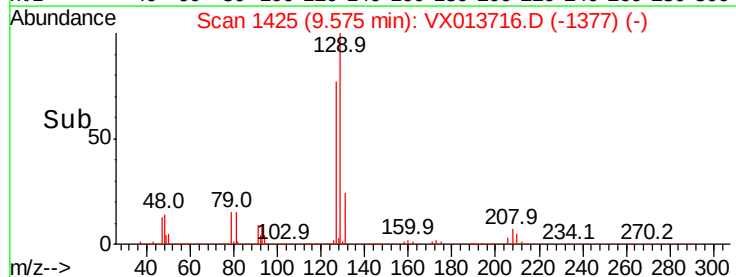
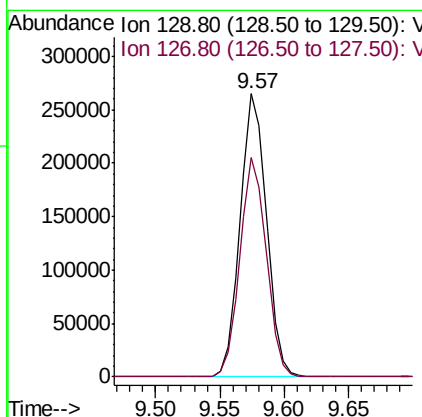
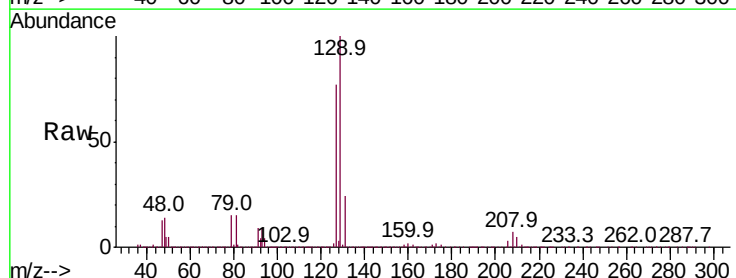
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

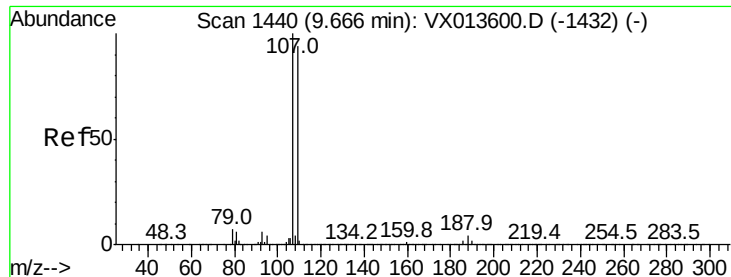
Tot Ion: 43 Resp: 2060600
Ion Ratio Lower Upper
43 100
58 55.3 28.1 84.4



#60
Dibromochloromethane
Concen: 53.177 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 129 Resp: 375255
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.729 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

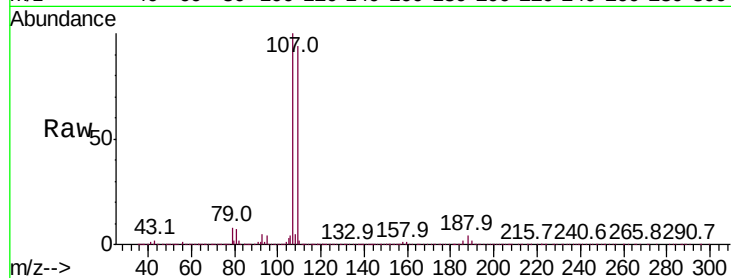
VSTDCCC050

Tot Ion:107 Resp: 368414

Ion Ratio Lower Upper

107 100

109 93.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

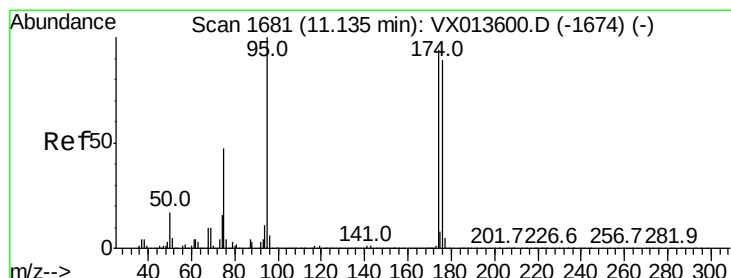
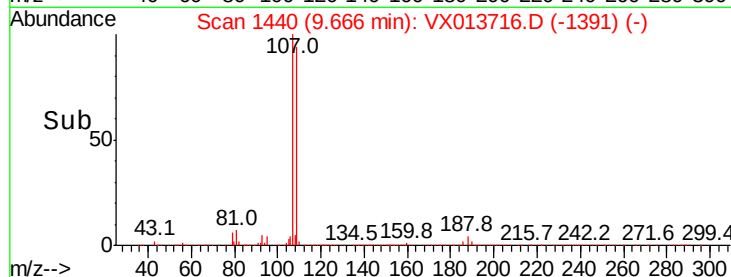
150000

100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.876 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

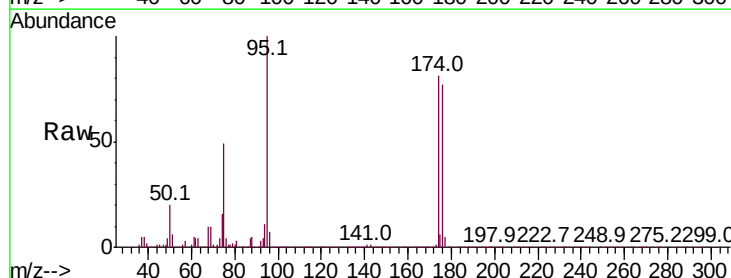
Tgt Ion: 95 Resp: 425583

Ion Ratio Lower Upper

95 100

174 87.3 0.0 180.0

176 83.6 0.0 173.6



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

400000

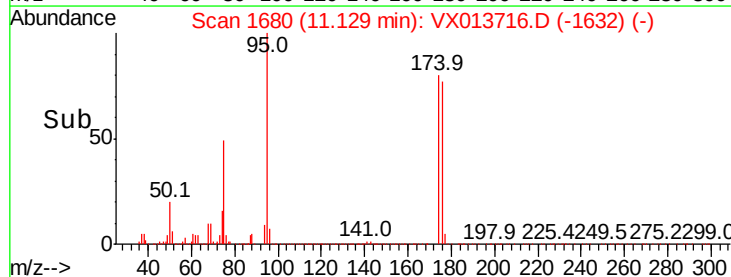
300000

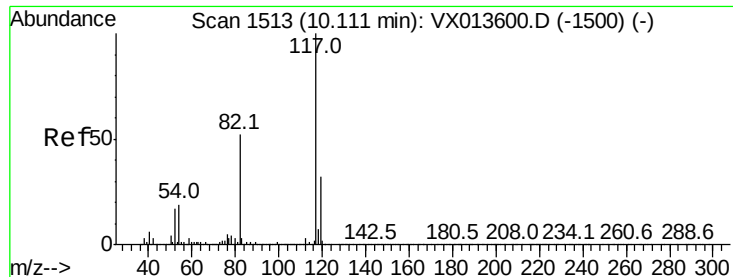
200000

100000

0

Time--> 11.10 11.20

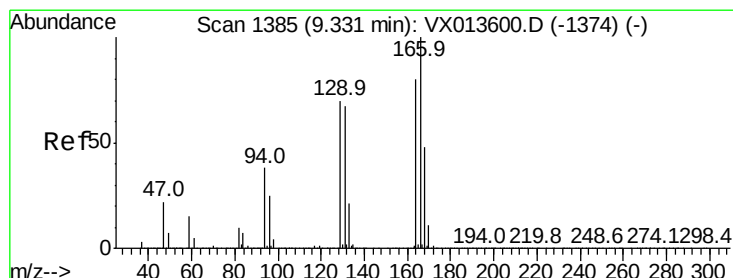
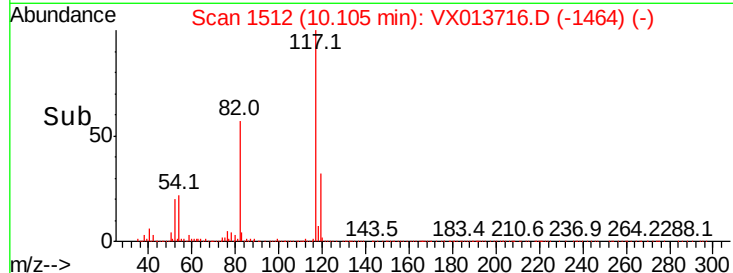
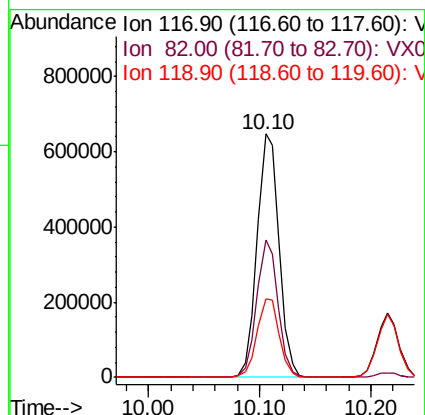
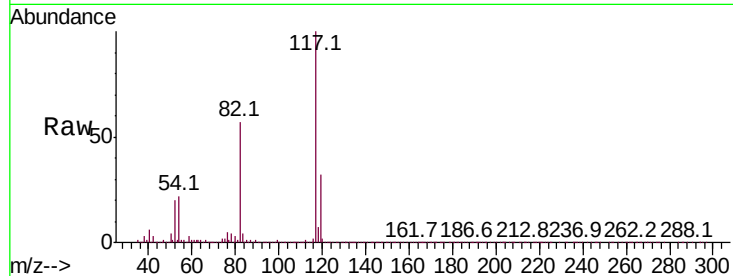




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

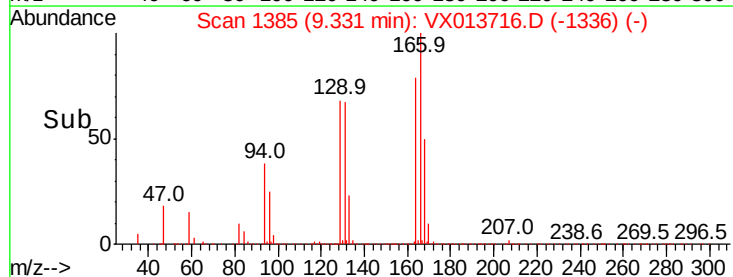
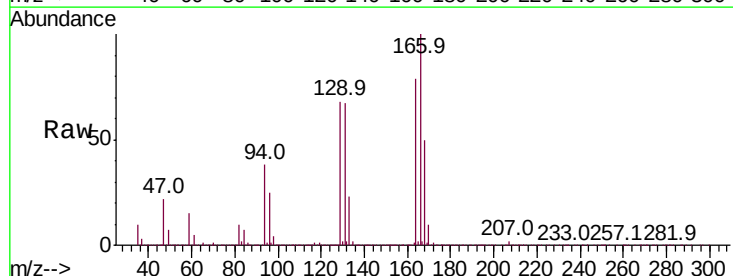
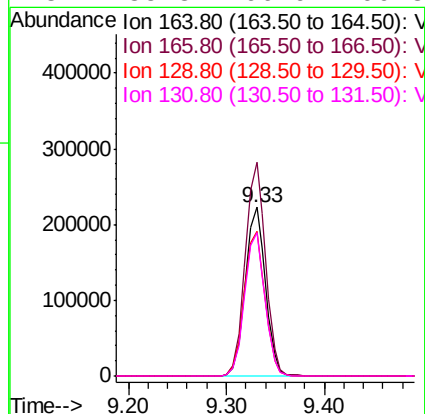
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

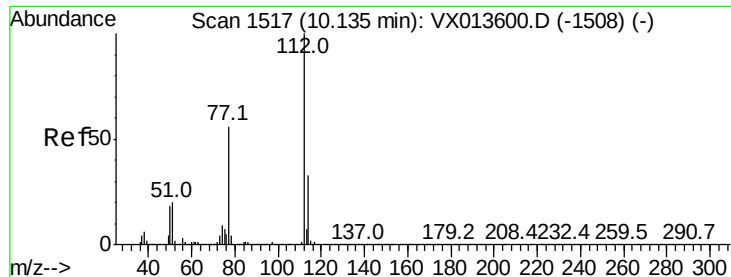
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	41.8	62.8
119	32.2	25.8	38.8



#64
Tetrachloroethene
Concen: 48.048 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	99.7	149.5
129	86.2	70.1	105.1
131	85.3	66.9	100.3

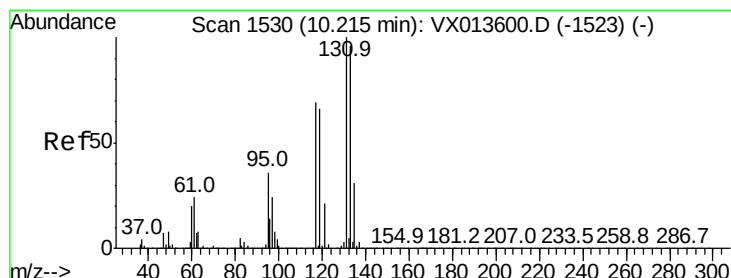
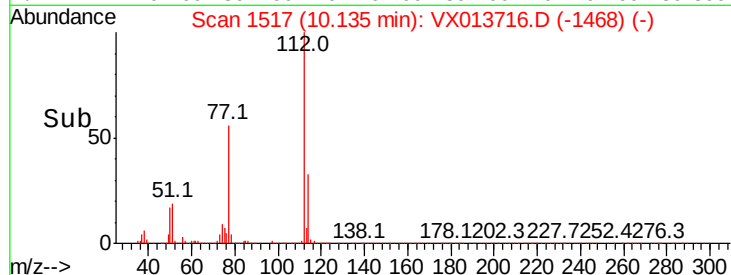
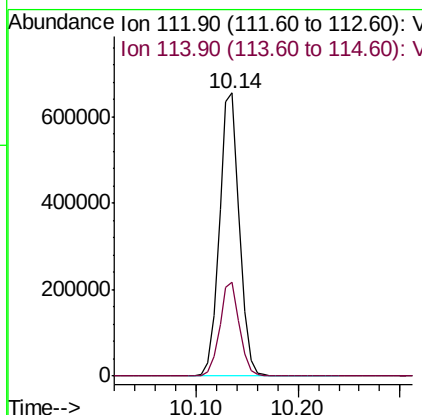
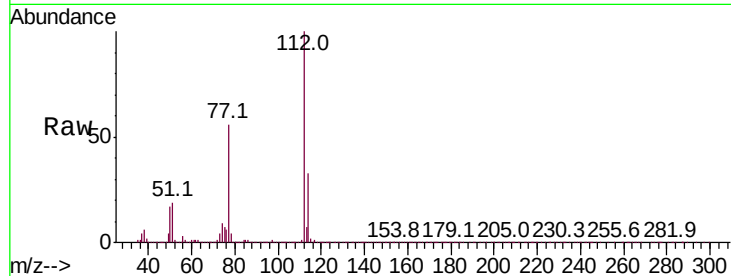




#65
Chlorobenzene
Concen: 48.338 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

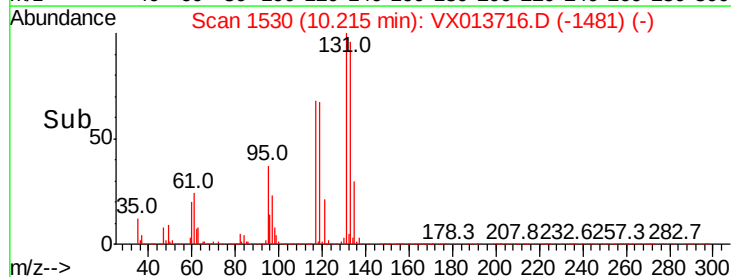
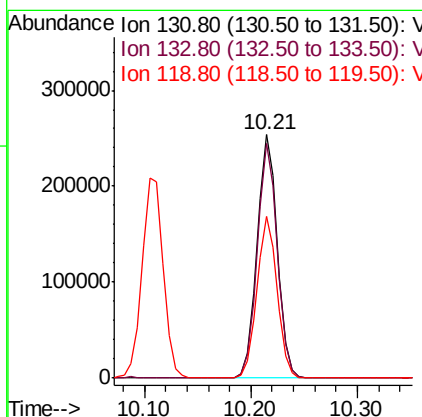
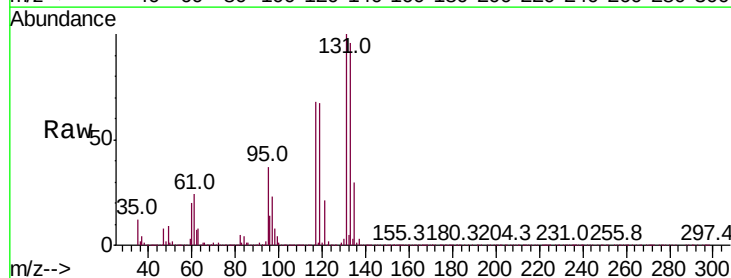
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

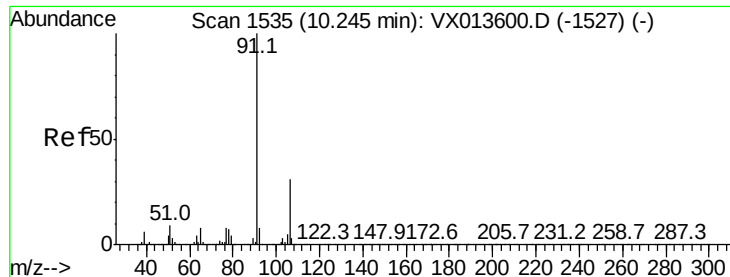
Tot Ion:112 Resp: 894926
Ion Ratio Lower Upper
112 100
114 33.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.860 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion:131 Resp: 338129
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.3 32.9 98.6

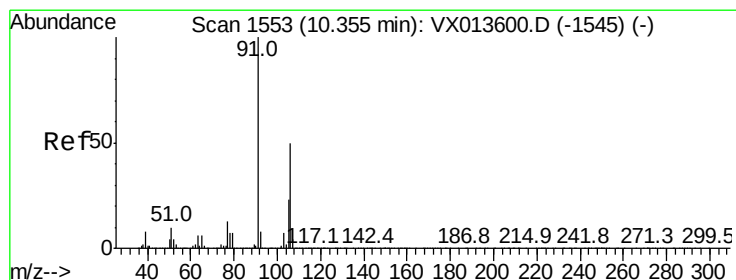
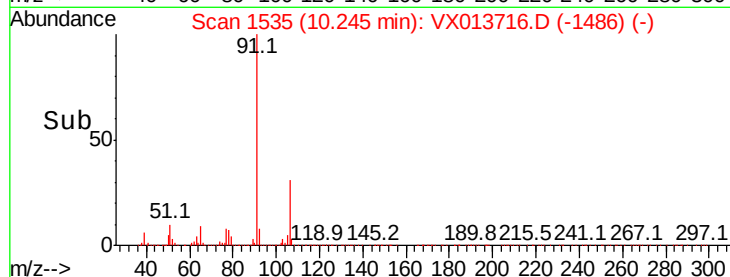
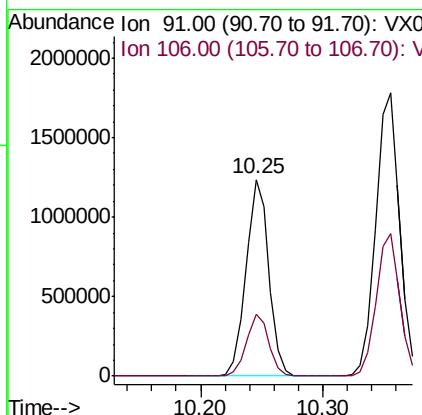
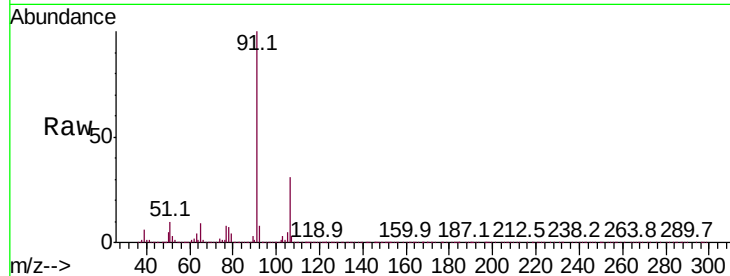




#67
Ethyl Benzene
Concen: 49.926 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

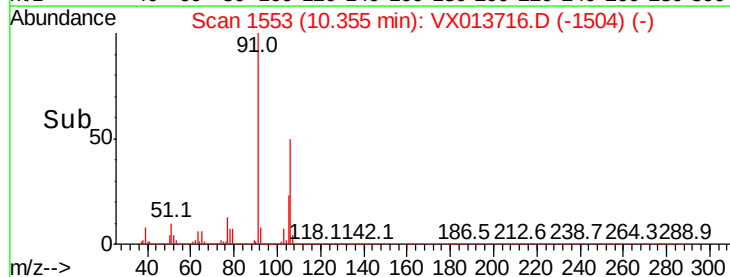
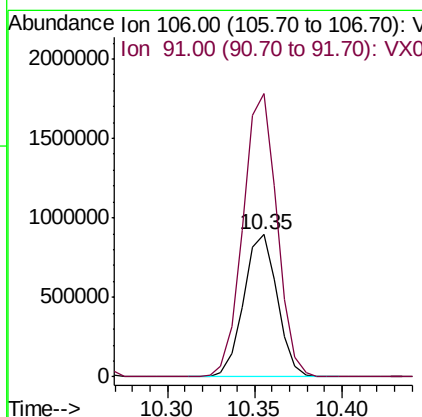
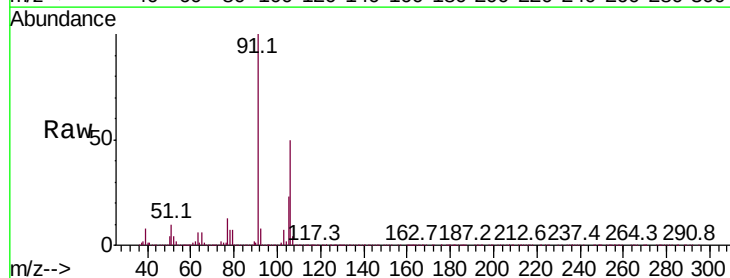
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

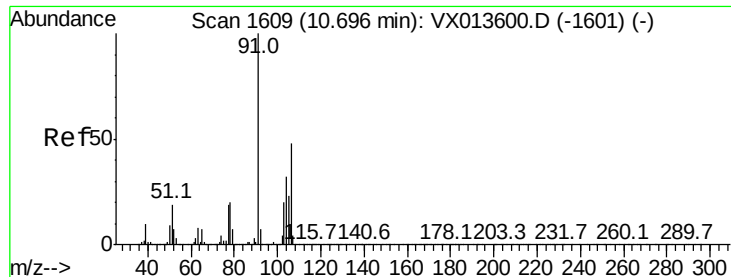
Tot Ion: 91 Resp: 1588355
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7



#68
m/p-Xylenes
Concen: 98.521 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 106 Resp: 1200016
Ion Ratio Lower Upper
106 100
91 200.7 159.0 238.4

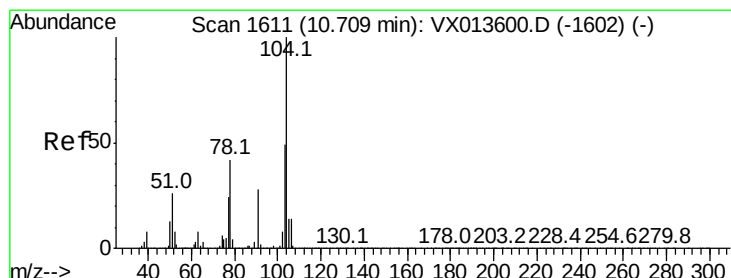
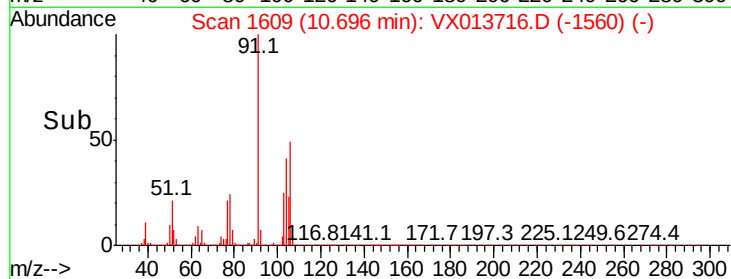
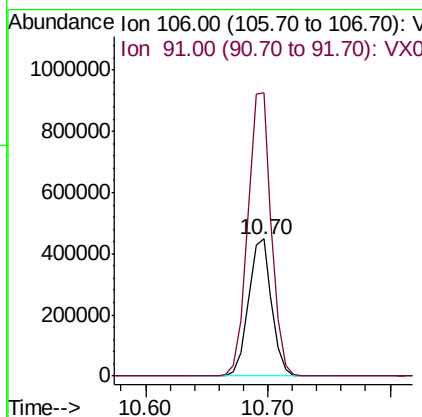
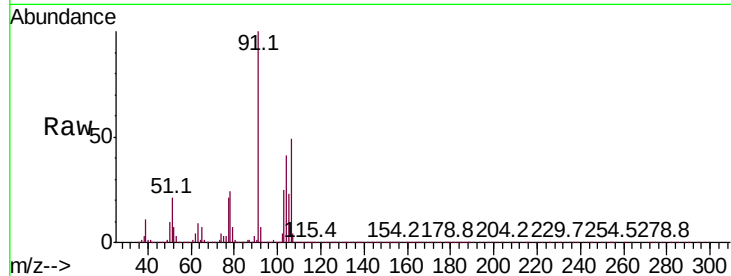




#69
o-Xylene
Concen: 49.607 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

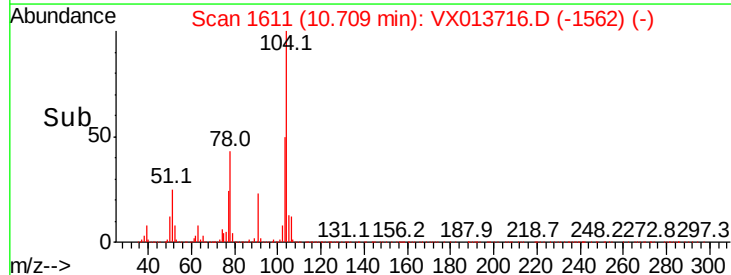
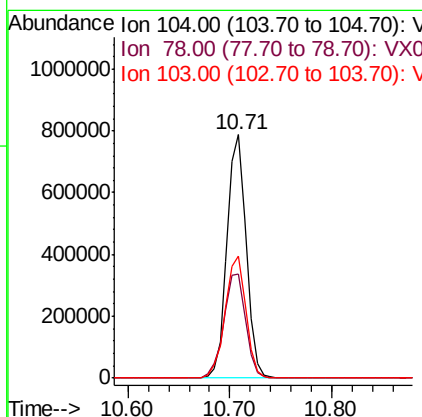
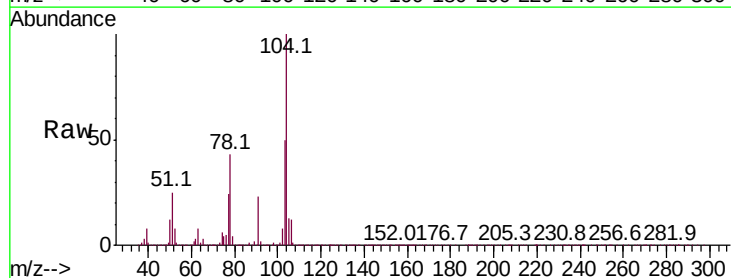
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

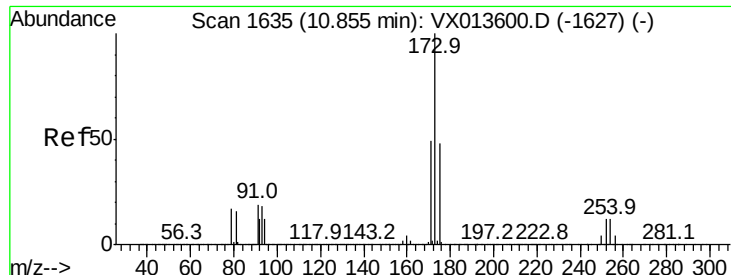
Tot Ion:106 Resp: 589305
Ion Ratio Lower Upper
106 100
91 209.6 104.1 312.2



#70
Styrene
Concen: 51.231 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion:104 Resp: 1023758
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 54.5 43.7 65.5





#71

Bromoform

Concen: 53.600 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

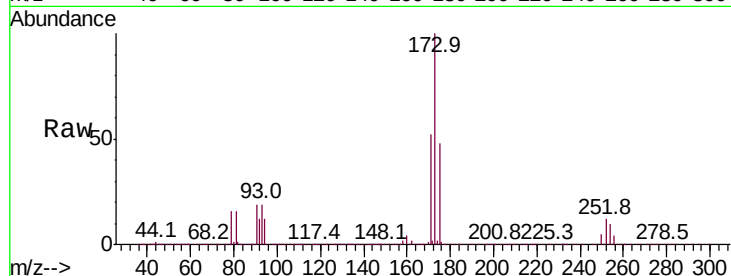
Tot Ion:173 Resp: 294849

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

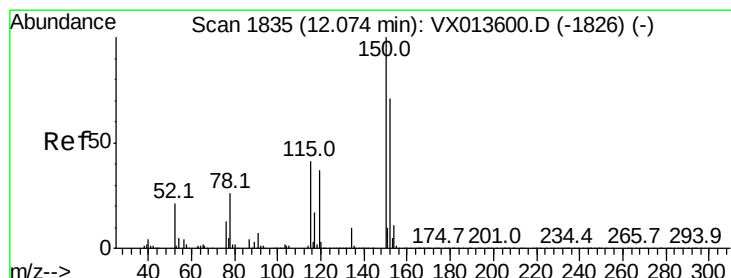
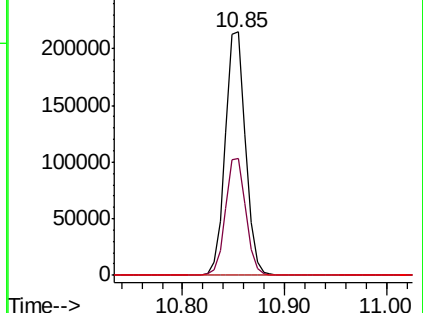
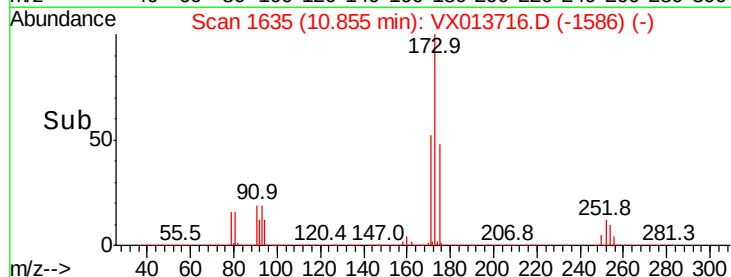
254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

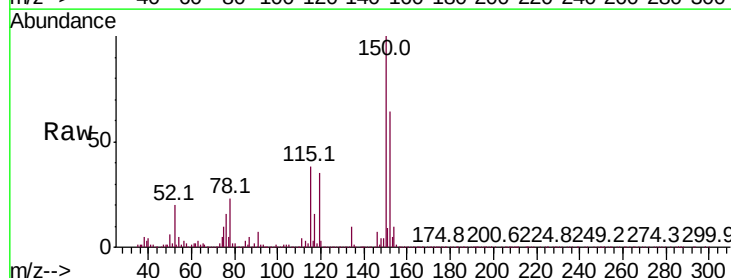
Tgt Ion:152 Resp: 451513

Ion Ratio Lower Upper

152 100

115 77.8 38.4 115.1

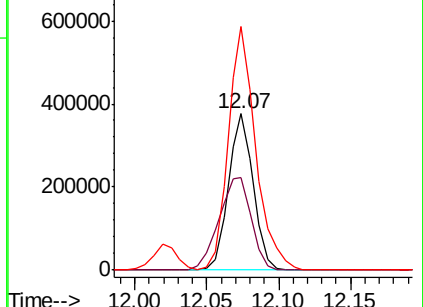
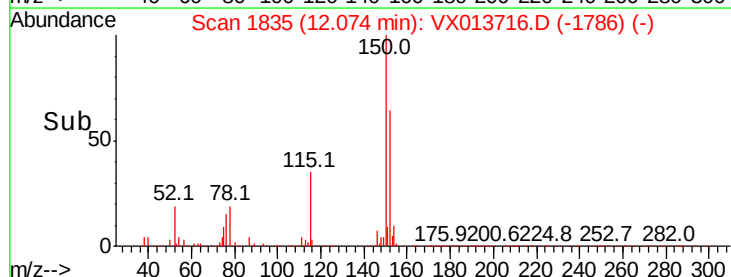
150 173.0 0.0 346.8

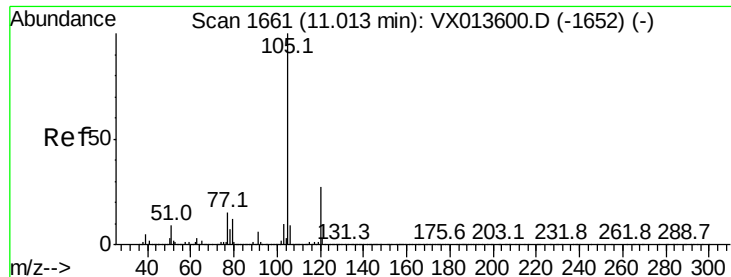


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

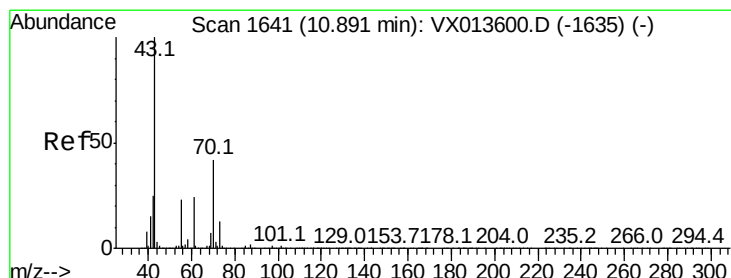
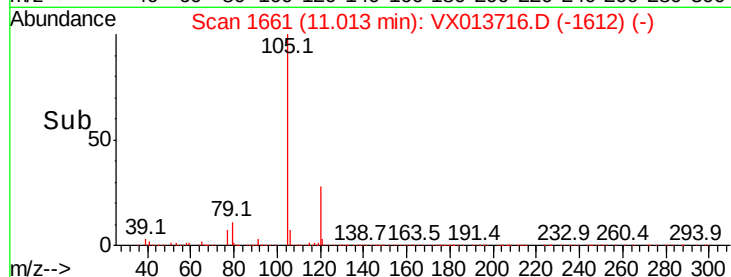
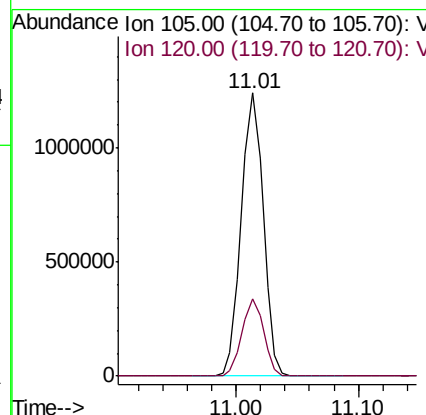
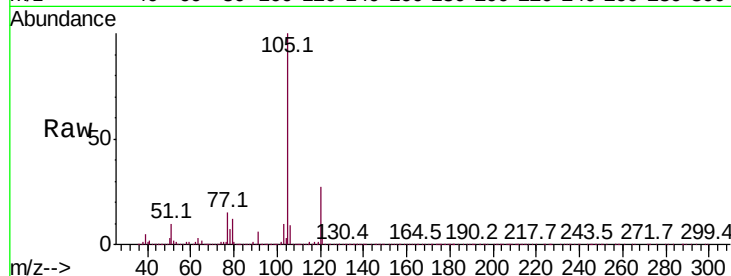




#73
Isopropylbenzene
Concen: 48.744 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

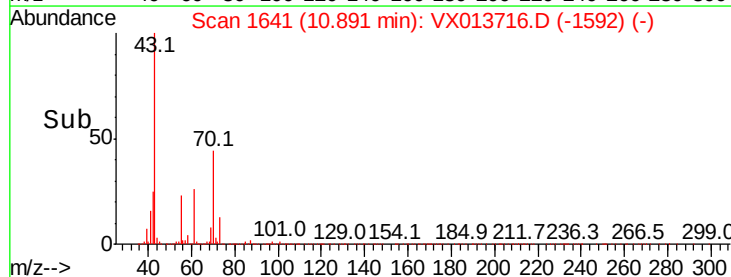
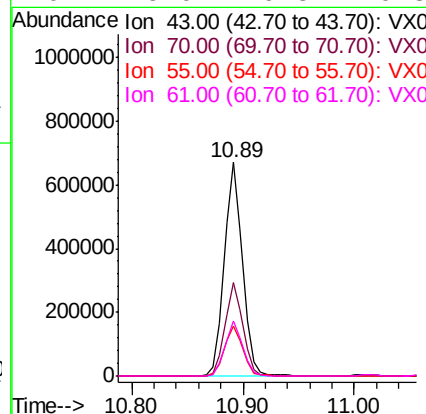
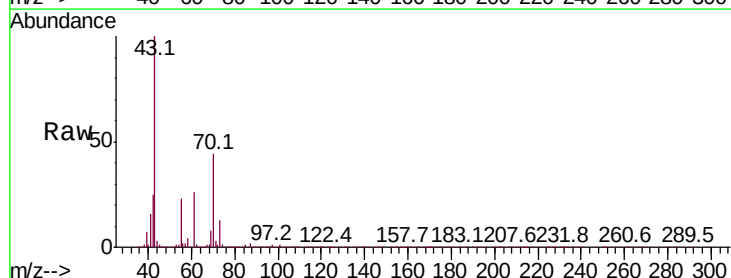
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

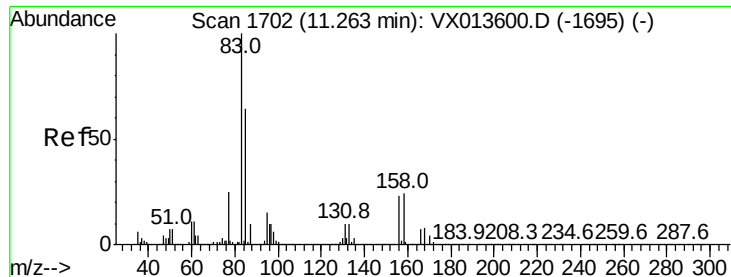
Tot Ion:105 Resp: 1543804
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.5



#74
N-ethyl acetate
Concen: 51.988 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 43 Resp: 754269
Ion Ratio Lower Upper
43 100
70 43.2 34.3 51.5
55 23.7 18.5 27.7
61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.842 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

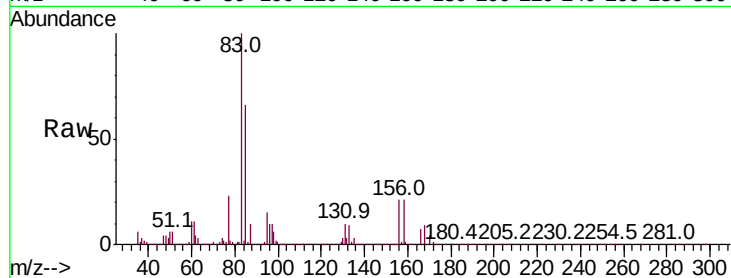
Tot Ion: 83 Resp: 547444

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

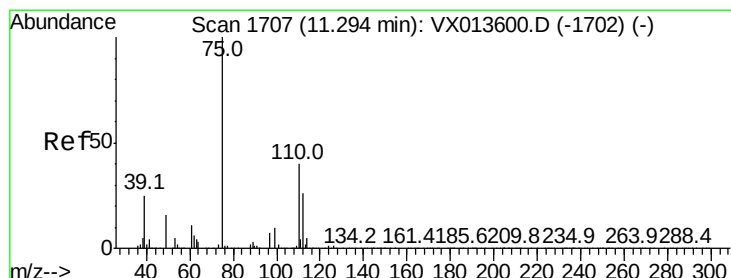
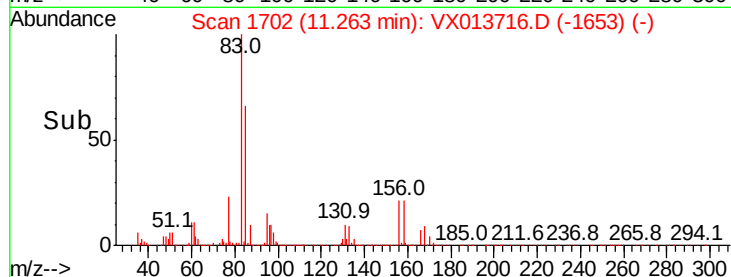
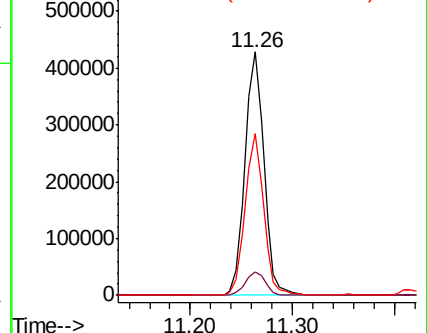
85 65.2 31.8 95.3



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: 62.707 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013716.D

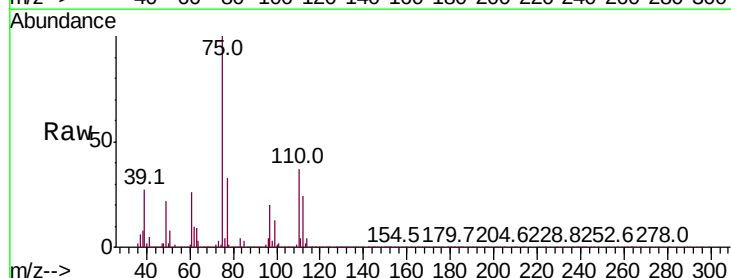
Acq: 03 Dec 2019 11:30

Tgt Ion: 75 Resp: 636805

Ion Ratio Lower Upper

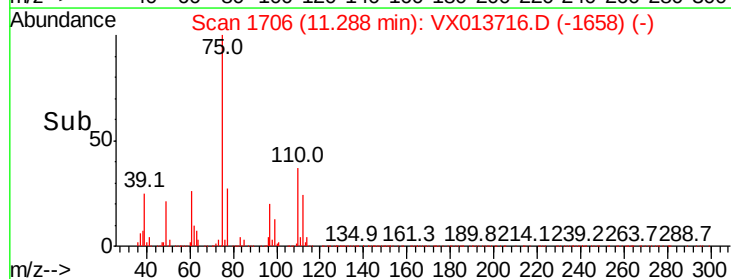
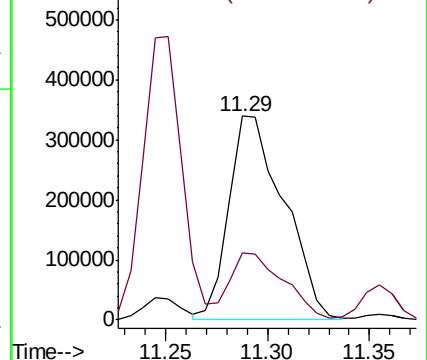
75 100

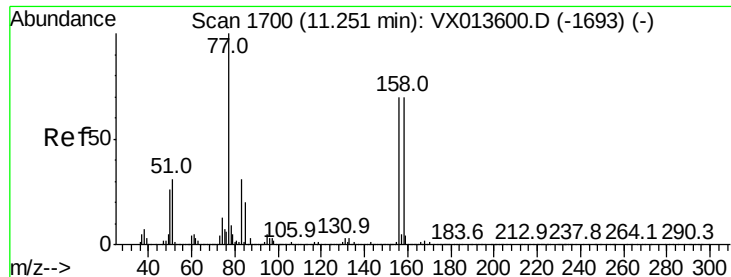
77 32.6 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.638 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

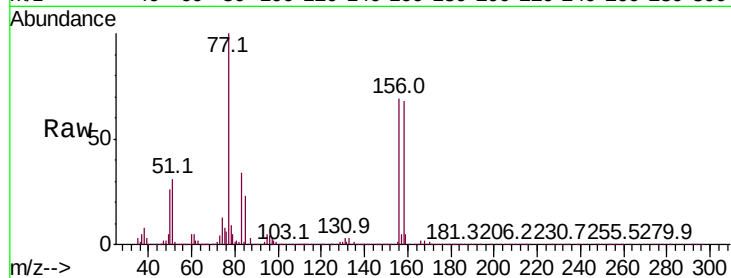
Tot Ion:156 Resp: 407604

Ion Ratio Lower Upper

156 100

77 152.6 74.4 223.1

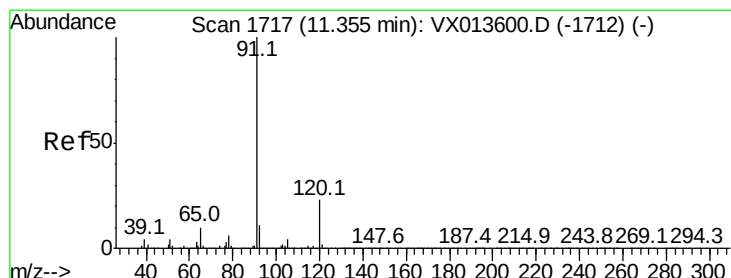
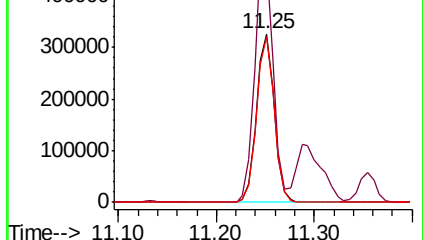
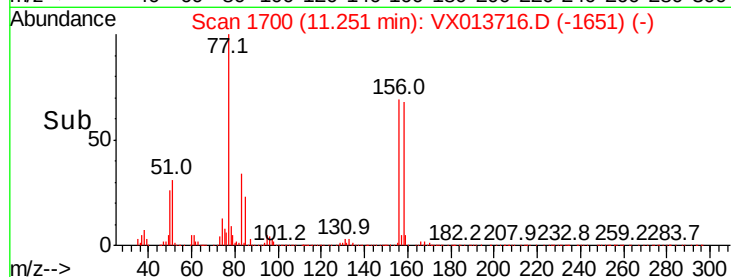
158 98.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.837 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013716.D

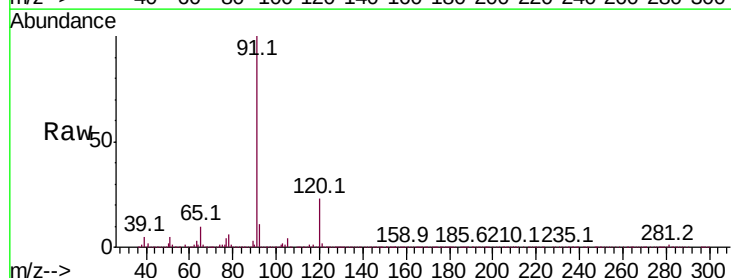
Acq: 03 Dec 2019 11:30

Tgt Ion: 91 Resp: 1762037

Ion Ratio Lower Upper

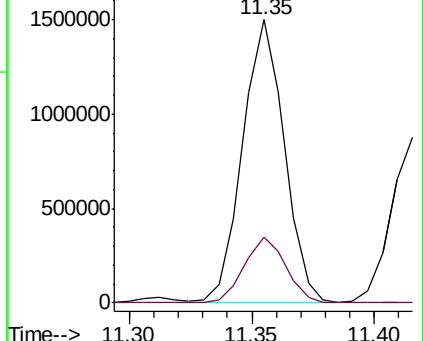
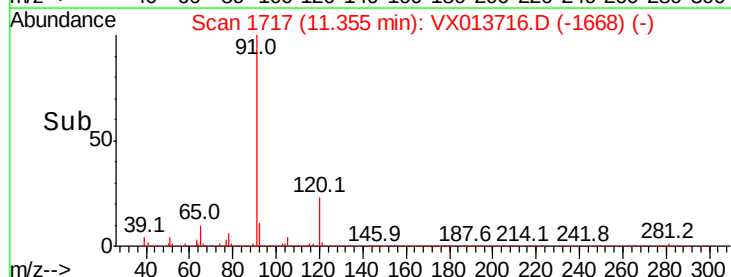
91 100

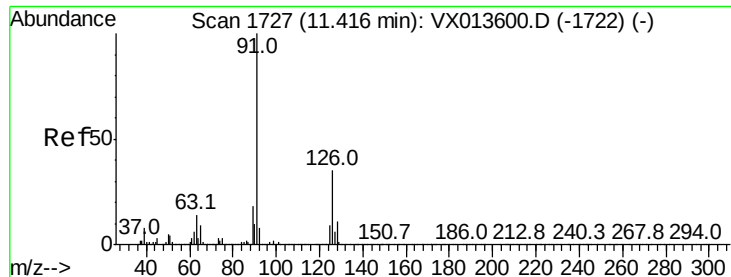
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

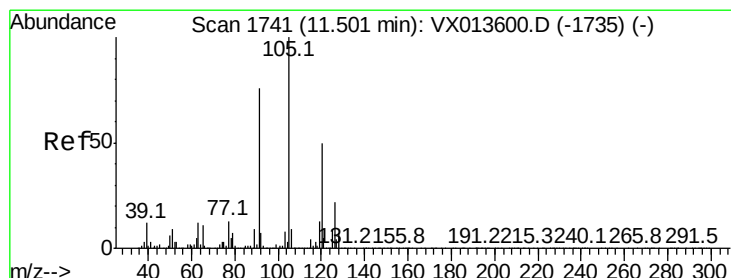
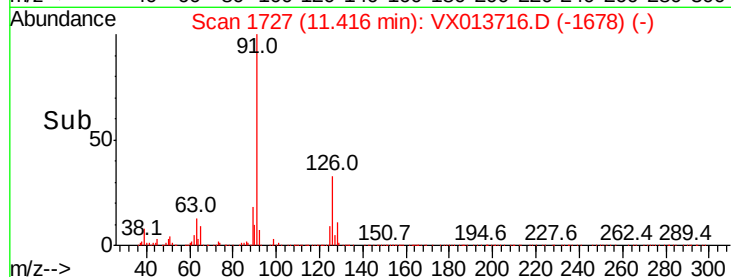
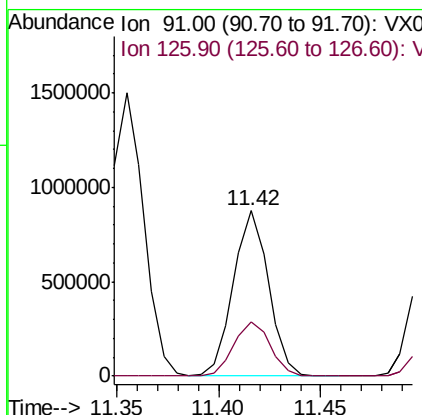
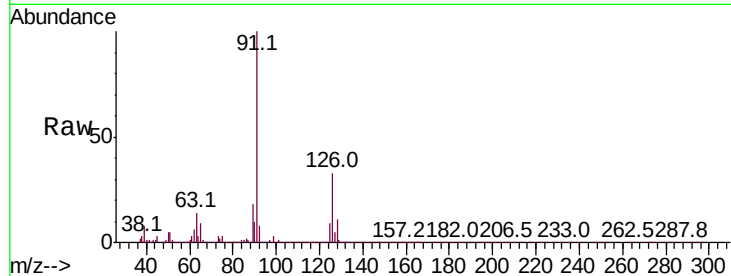




#79
2-Chlorotoluene
Concen: 49.144 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

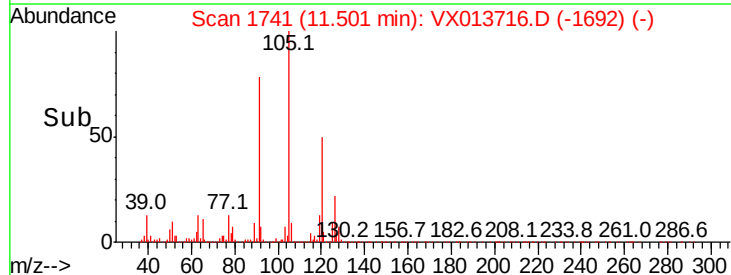
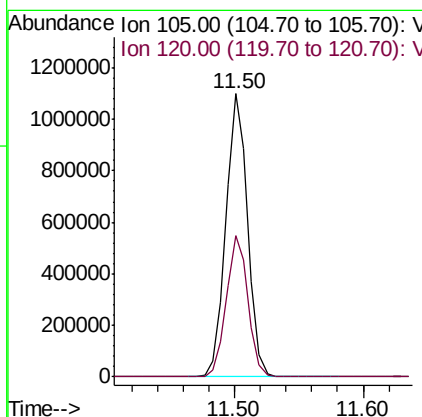
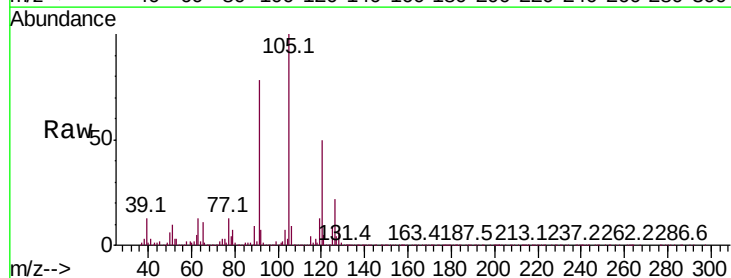
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

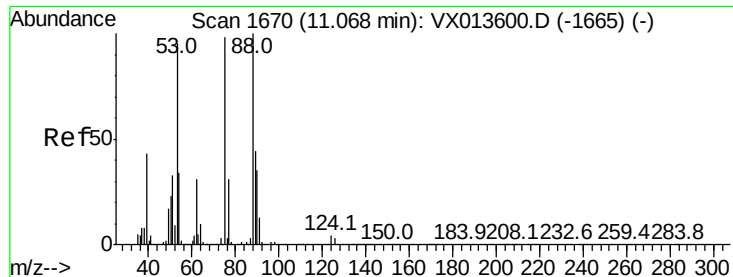
Tot Ion: 91 Resp: 1042284
Ion Ratio Lower Upper
91 100
126 34.3 17.5 52.5



#80
1,3,5-Trimethylbenzene
Concen: 50.189 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013716.D
Acq: 03 Dec 2019 11:30

Tgt Ion: 105 Resp: 1302802
Ion Ratio Lower Upper
105 100
120 49.9 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 52.902 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

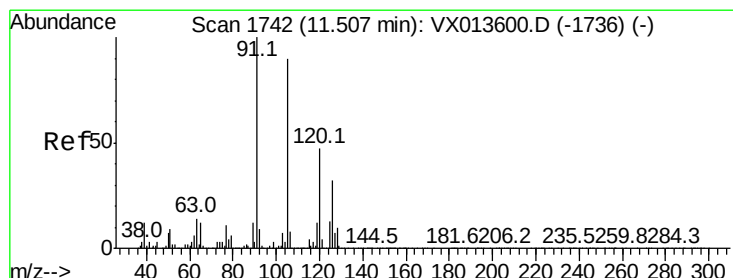
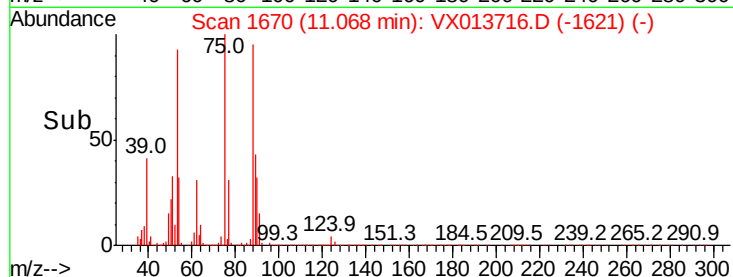
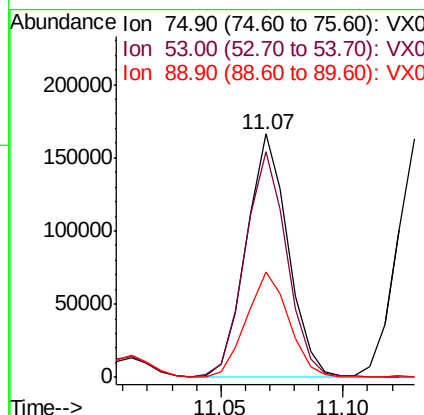
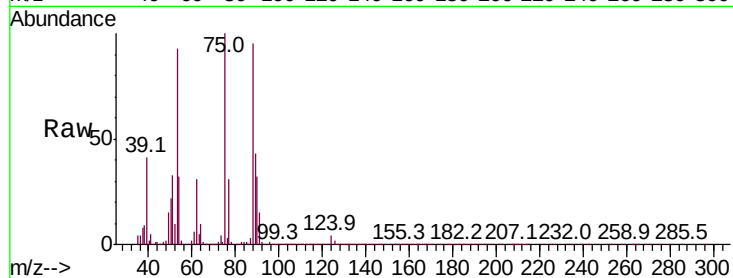
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 196370

Ion	Ratio	Lower	Upper
75	100		
53	92.9	78.2	117.2
89	43.9	35.4	53.2



#82

4-Chlorotoluene

Concen: 49.225 ug/l

RT: 11.51 min Scan# 1742

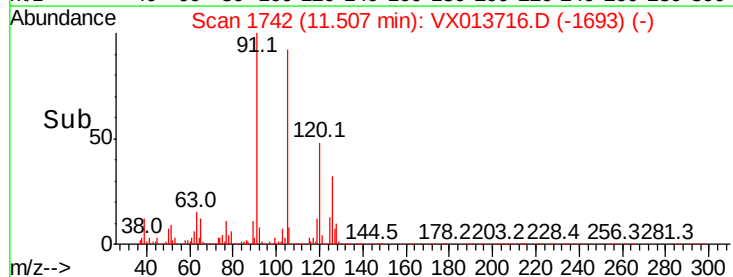
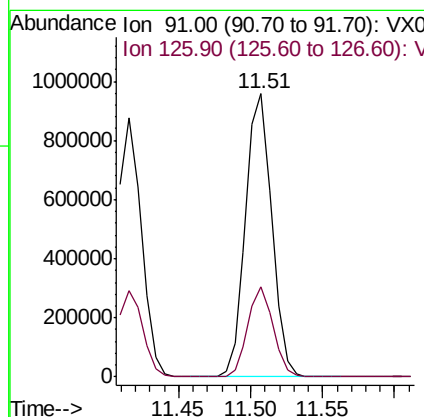
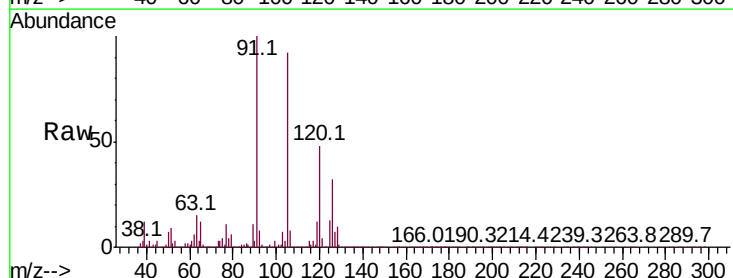
Delta R.T. -0.00 min

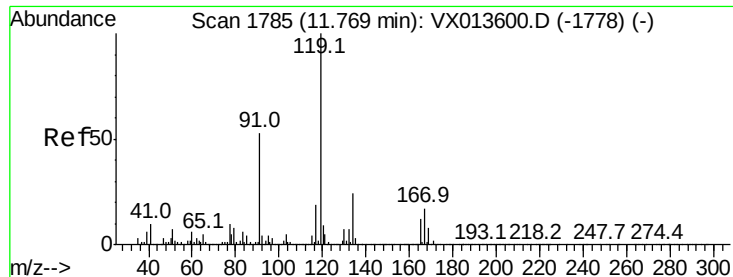
Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion: 91 Resp: 1209197

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.0





#83

tert-Butylbenzene

Concen: 49.312 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

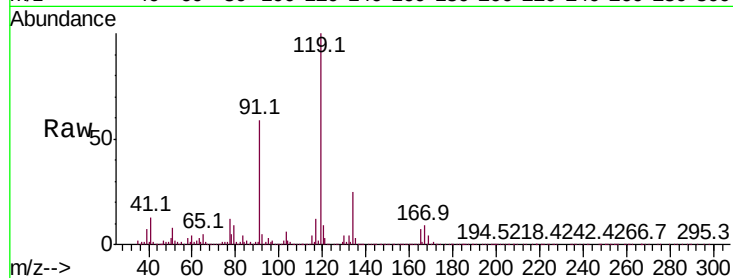
Tot Ion:119 Resp: 1300893

Ion Ratio Lower Upper

119 100

91 53.3 27.2 81.6

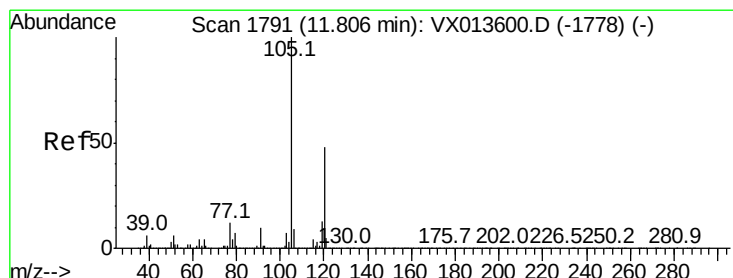
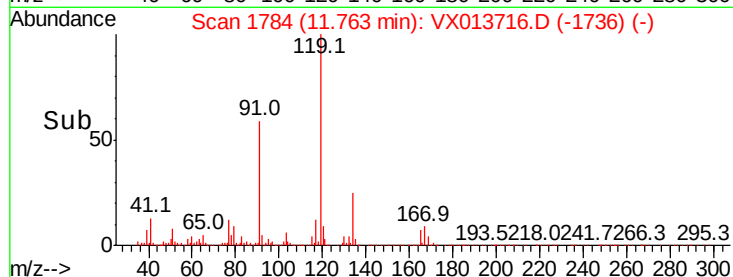
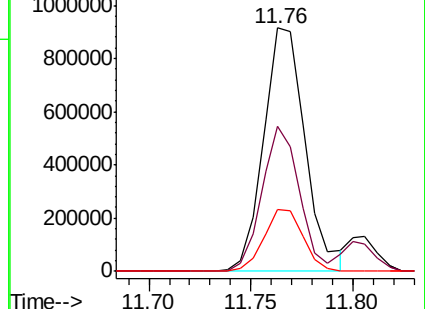
134 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.643 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013716.D

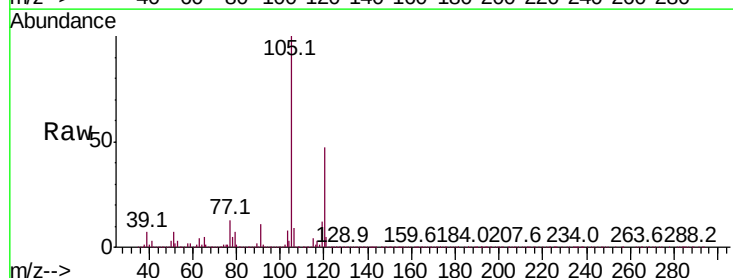
Acq: 03 Dec 2019 11:30

Tgt Ion:105 Resp: 1307834

Ion Ratio Lower Upper

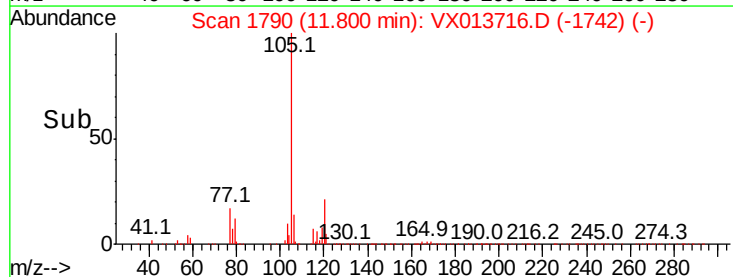
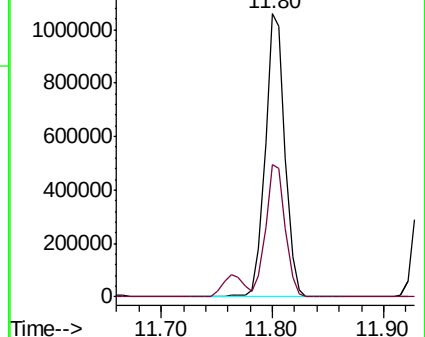
105 100

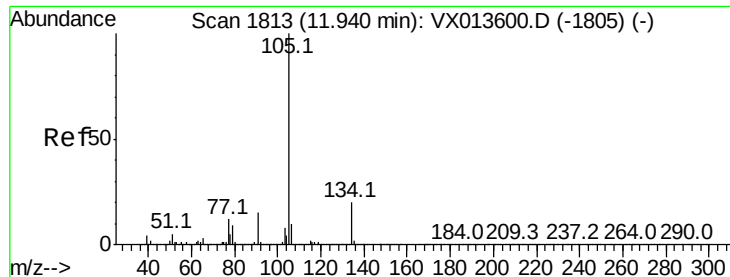
120 46.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.796 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

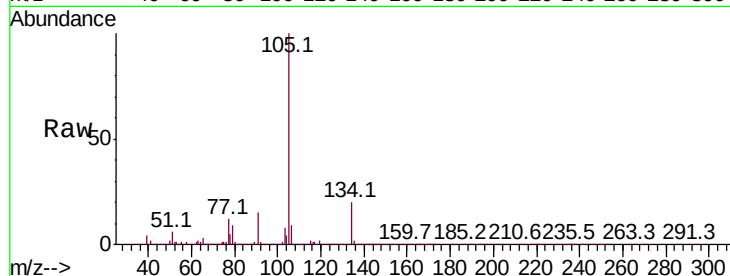
VSTDCCC050

Tot Ion:105 Resp: 1500503

Ion Ratio Lower Upper

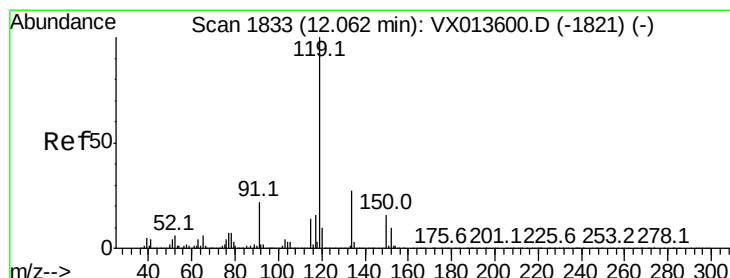
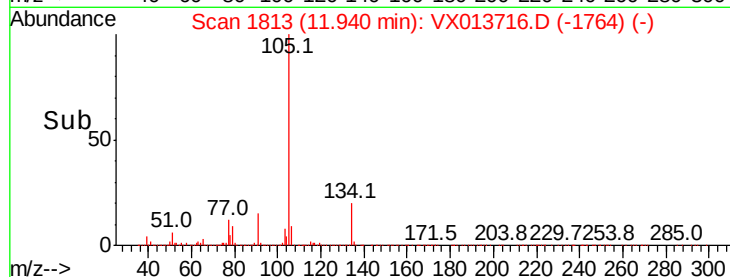
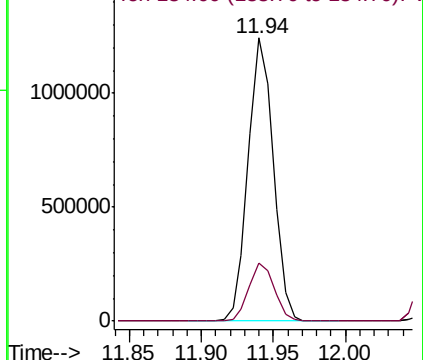
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.458 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

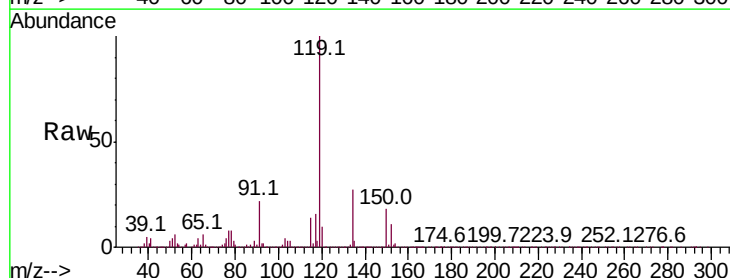
Tgt Ion:119 Resp: 1386444

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

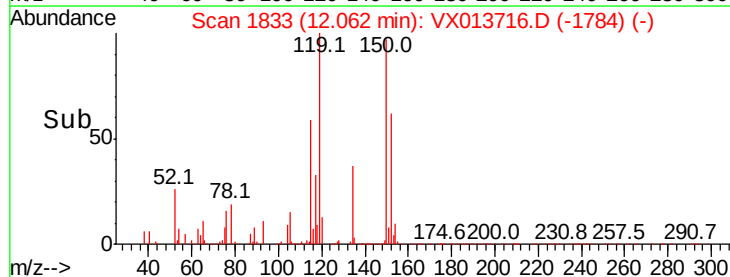
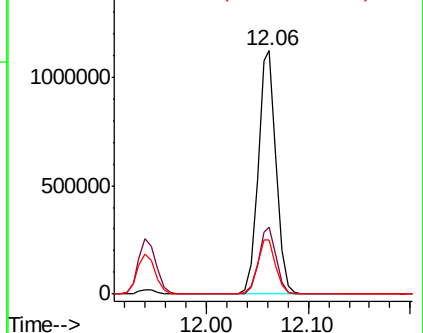
91 22.5 11.3 33.8

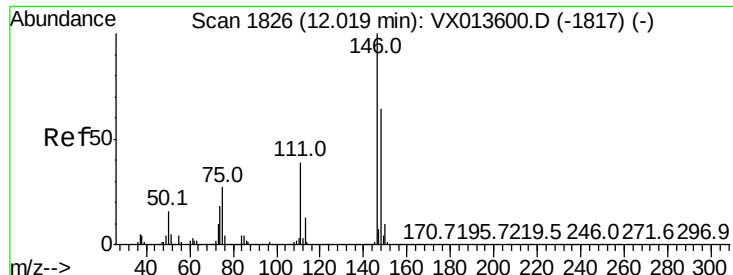


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 49.010 ug/l

RT: 12.02 min Scan# 1826

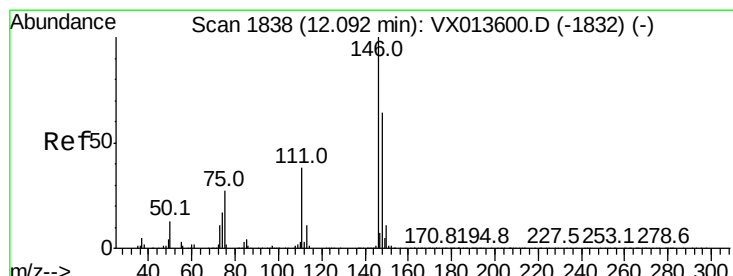
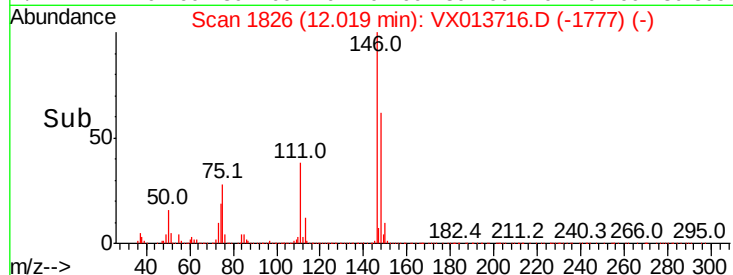
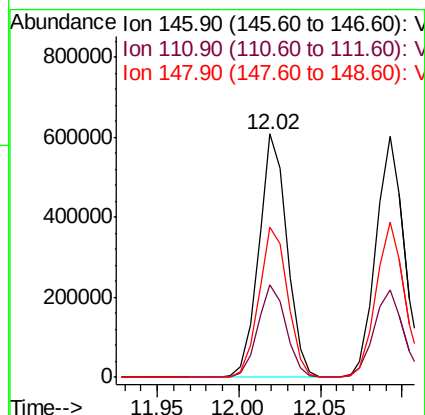
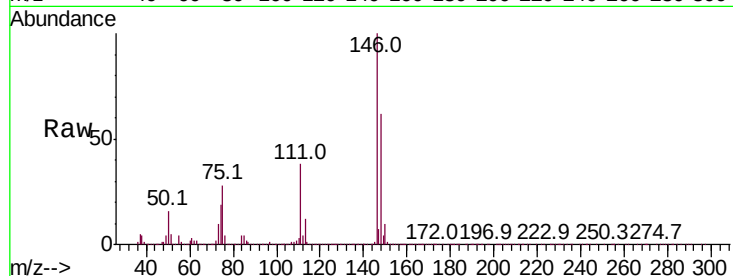
Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	63.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 47.662 ug/l

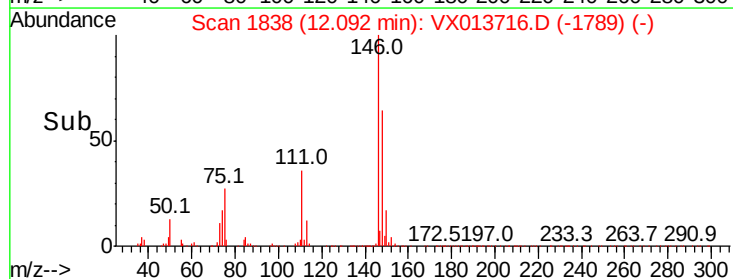
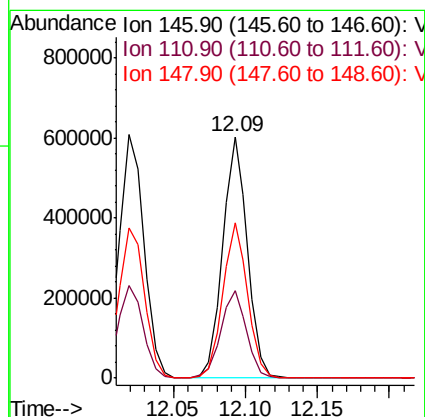
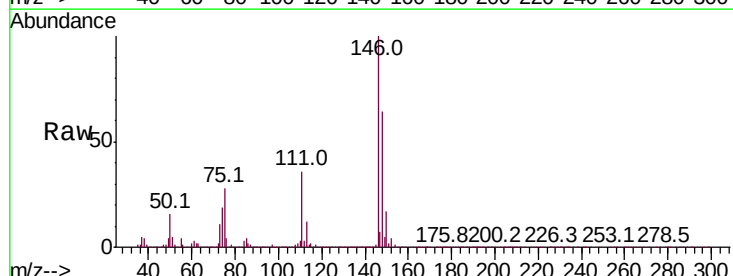
RT: 12.09 min Scan# 1838

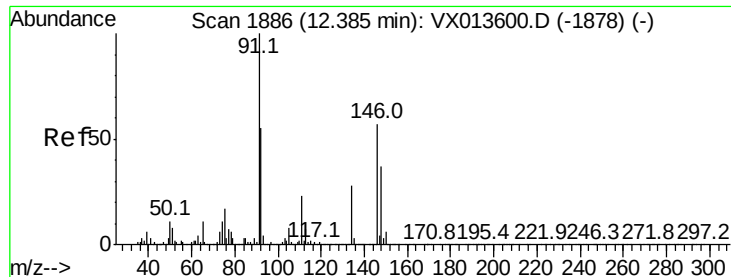
Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	64.6	31.9	95.5





#89

n-Butylbenzene

Concen: 51.068 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

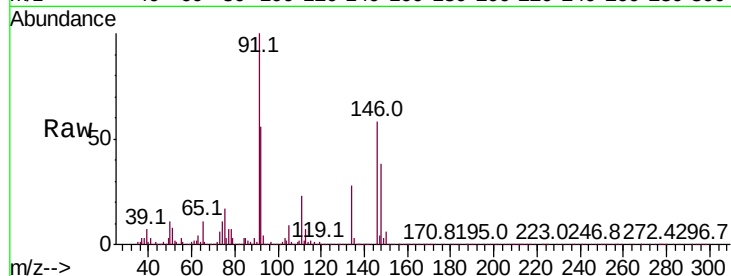
Tot Ion: 91 Resp: 1220972

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.2

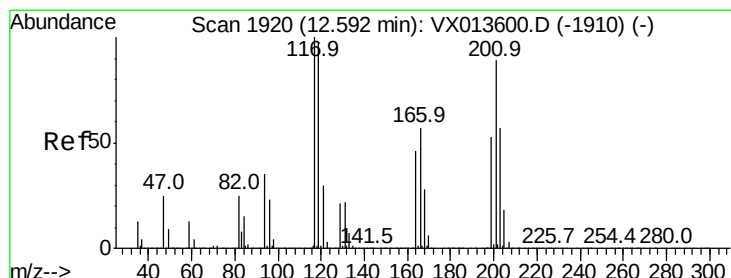
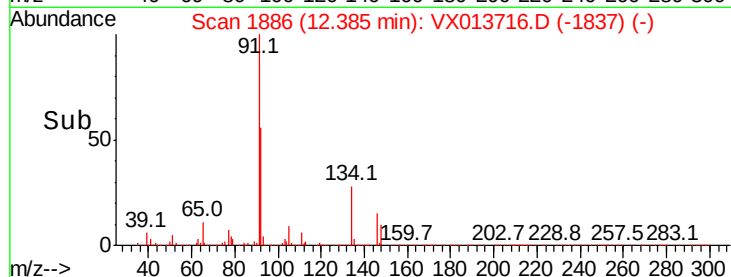
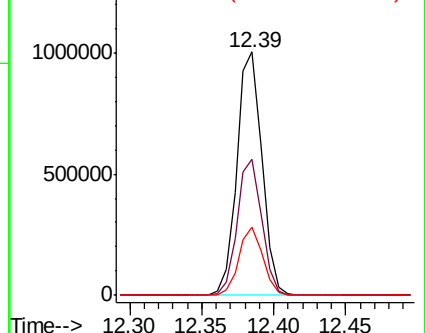
134 26.9 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.818 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013716.D

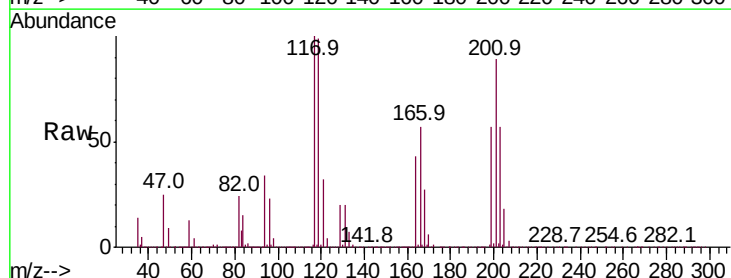
Acq: 03 Dec 2019 11:30

Tgt Ion: 117 Resp: 252423

Ion Ratio Lower Upper

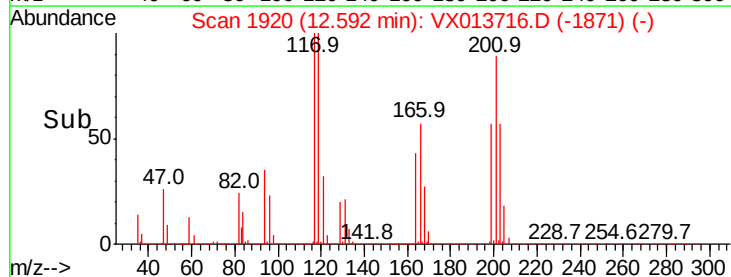
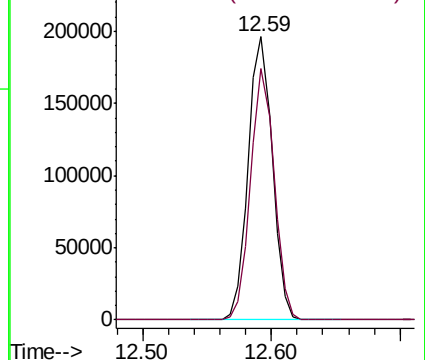
117 100

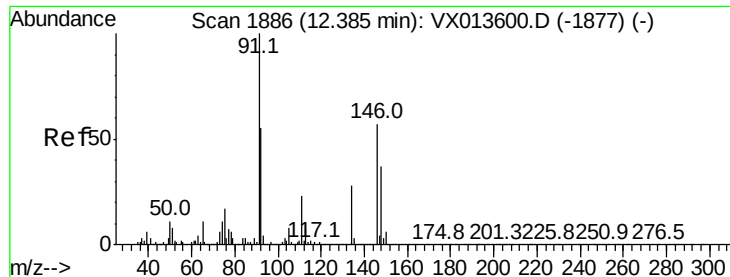
201 87.0 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

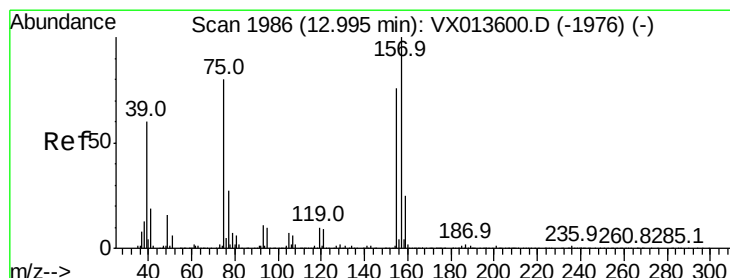
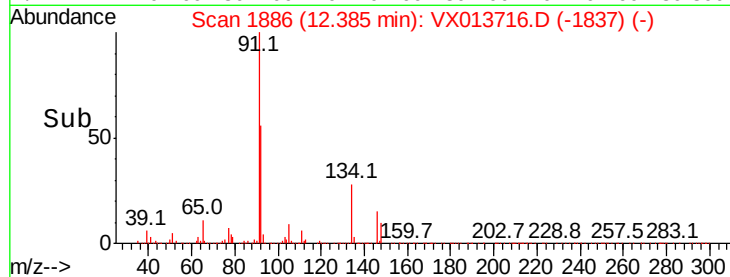
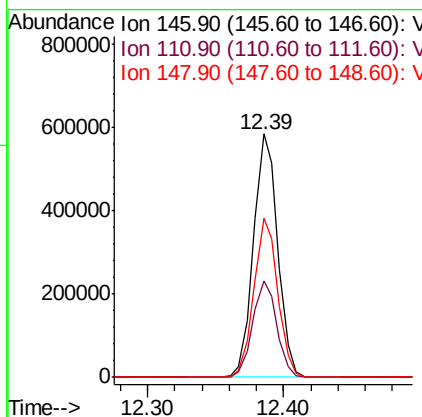
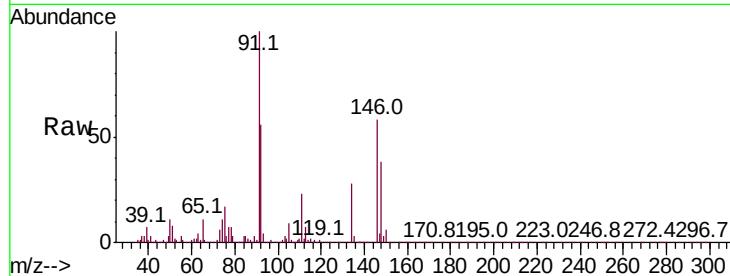




#91
 1,2-Dichlorobenzene
 Concen: 49.660 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

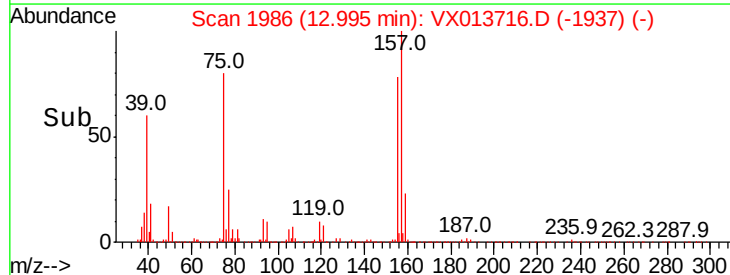
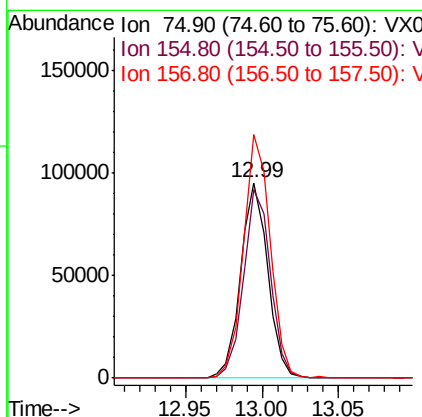
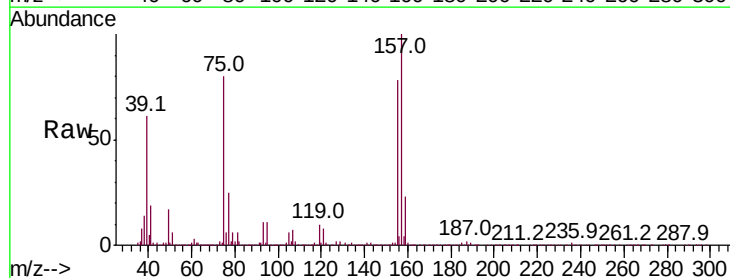
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

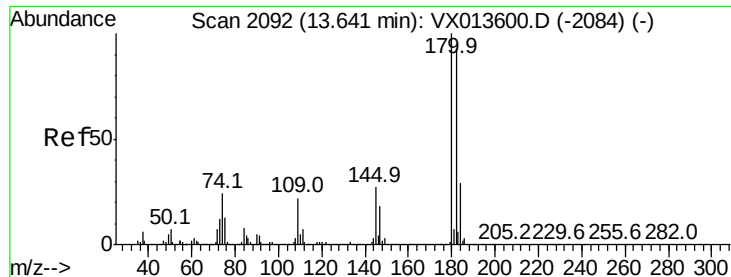
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.3	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.441 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013716.D
 Acq: 03 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	47.6	142.8
157	125.6	62.1	186.2





#93

1,2,4-Trichlorobenzene

Concen: 49.063 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

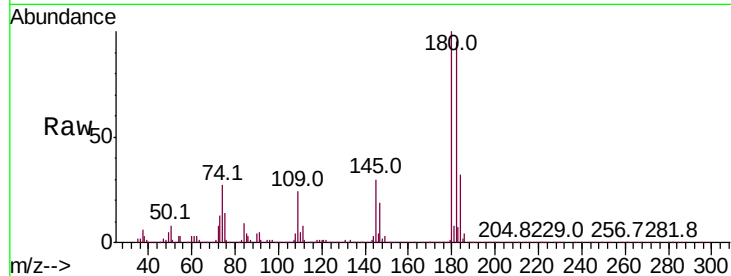
Tot Ion:180 Resp: 503896

Ion Ratio Lower Upper

180 100

182 95.2 47.2 141.6

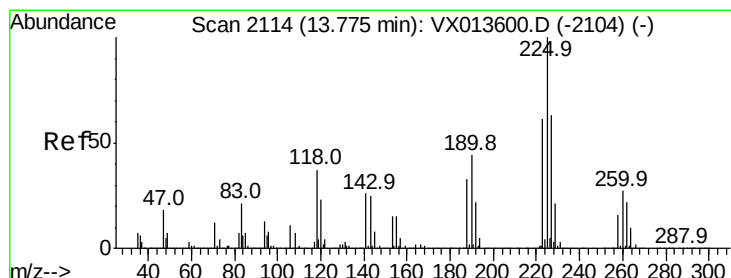
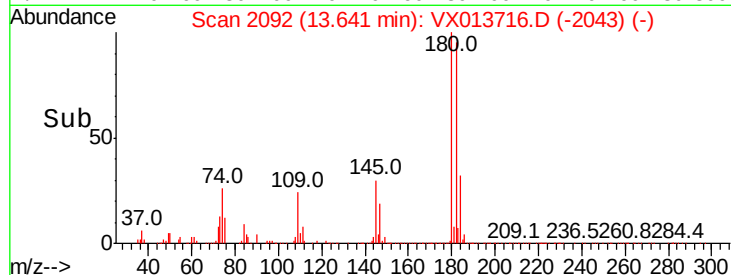
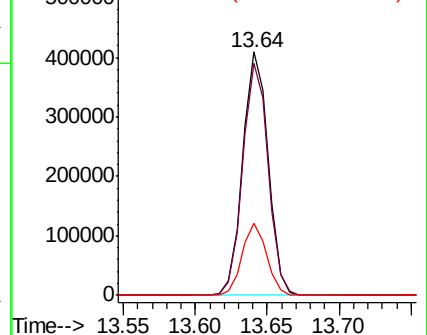
145 28.7 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.901 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

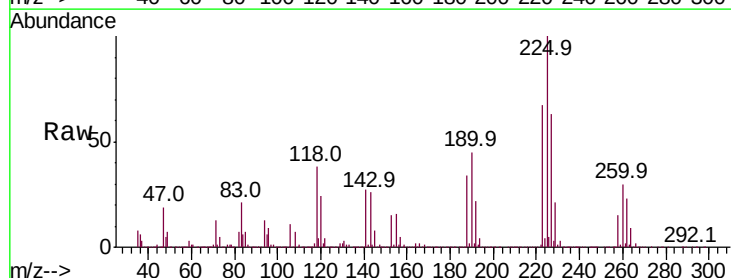
Tgt Ion:225 Resp: 236329

Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.5

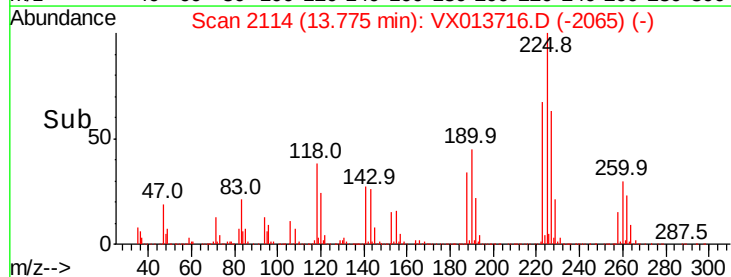
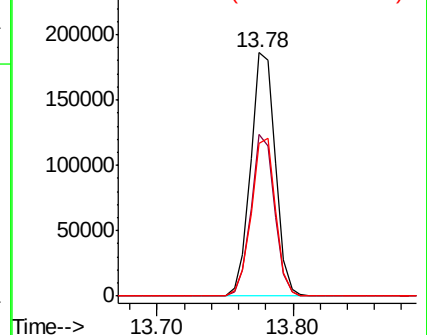
227 63.9 32.1 96.3

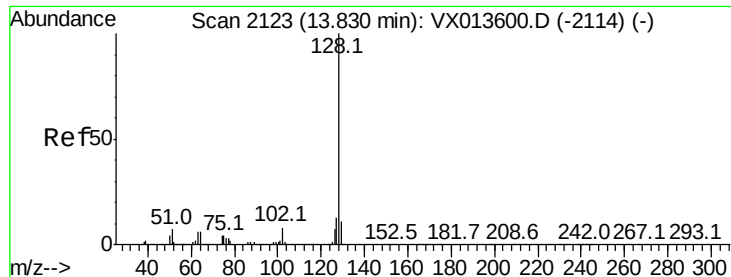


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.881 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Instrument :

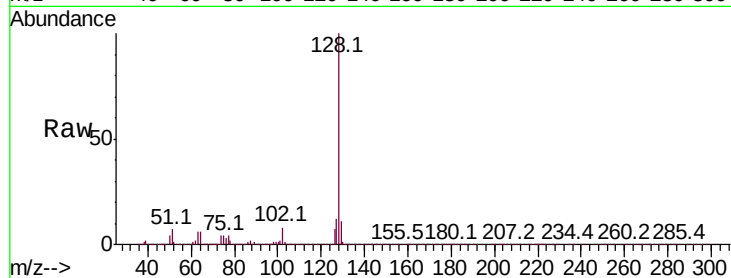
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1586794

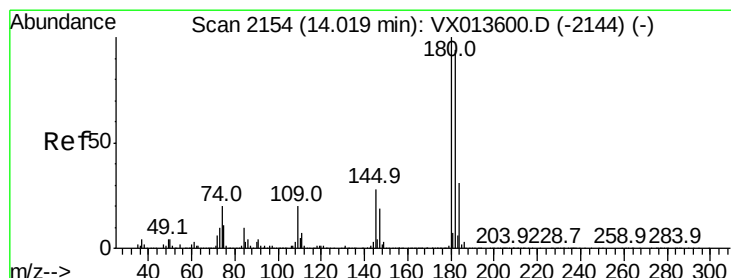
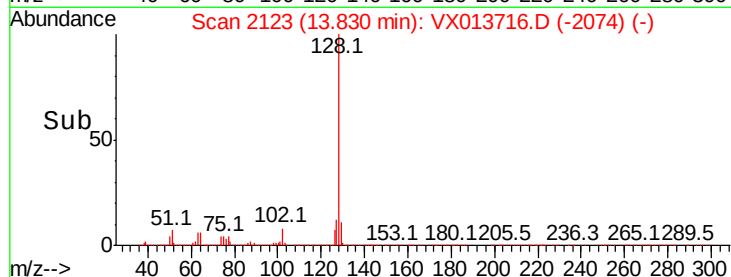
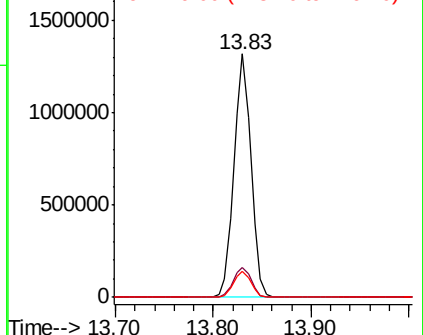
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



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: 50.417 ug/l

RT: 14.01 min Scan# 2153

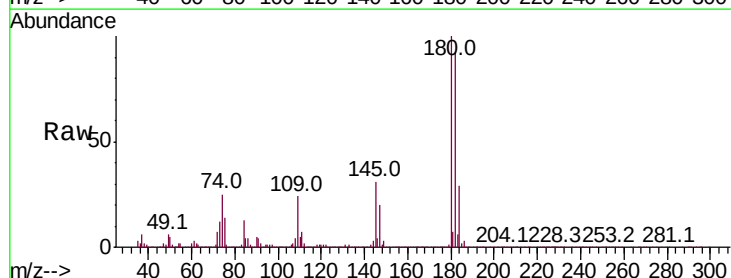
Delta R.T. -0.01 min

Lab File: VX013716.D

Acq: 03 Dec 2019 11:30

Tgt Ion:180 Resp: 512688

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	29.8	15.0	45.0



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

