

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013010.D
 Acq On : 11 Oct 2019 12:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 11 23:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	101309	48.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.48	113	79307	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.71	98	301228	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	122222	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82963	48.693	ug/l	100
3) Chloromethane	1.32	50	90202	48.646	ug/l	98
4) Vinyl Chloride	1.40	62	88583	46.284	ug/l	100
5) Bromomethane	1.63	94	38230	48.053	ug/l	96
6) Chloroethane	1.71	64	56996	48.763	ug/l	96
7) Trichlorofluoromethane	1.92	101	132717	51.377	ug/l	96
8) Diethyl Ether	2.18	74	52466	50.318	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	86271	51.603	ug/l	99
10) Methyl Iodide	2.50	142	94551	49.929	ug/l	100
11) Tert butyl alcohol	3.03	59	111660	201.617	ug/l	99
12) 1,1-Dichloroethene	2.36	96	83214	49.264	ug/l	94
13) Acrolein	2.28	56	100144	254.446	ug/l	100
14) Allyl chloride	2.72	41	146332	48.646	ug/l	98
15) Acrylonitrile	3.13	53	260820	248.511	ug/l	100
16) Acetone	2.43	43	243973	221.551	ug/l	100
17) Carbon Disulfide	2.56	76	212505	44.121	ug/l	100
18) Methyl Acetate	2.76	43	128744	49.324	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	307733	52.755	ug/l	100
20) Methylene Chloride	2.84	84	97916	48.382	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	88799	49.048	ug/l	98
22) Diisopropyl ether	3.84	45	298548	51.794	ug/l #	88
23) Vinyl Acetate	3.80	43	1295685	260.386	ug/l	100
24) 1,1-Dichloroethane	3.69	63	164433	50.708	ug/l	99
25) 2-Butanone	4.65	43	361087	236.350	ug/l	100
26) 2,2-Dichloropropane	4.57	77	135342	49.633	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	105889	50.740	ug/l	97
28) Bromochloromethane	5.00	49	52297	54.000	ug/l	98
29) Tetrahydrofuran	5.11	42	227963	242.479	ug/l	99
30) Chloroform	5.20	83	167699	50.400	ug/l	99
31) Cyclohexane	5.56	56	150812	49.736	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	144406	51.221	ug/l	99
36) 1,1-Dichloropropene	5.79	75	125985	51.388	ug/l	100
37) Ethyl Acetate	4.81	43	134965	49.232	ug/l	99
38) Carbon Tetrachloride	5.77	117	122523	51.345	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	158297	53.242	ug/l	97
40) Benzene	6.13	78	376898	52.051	ug/l	98
41) Methacrylonitrile	5.03	41	75008	49.794	ug/l	99
42) 1,2-Dichloroethane	6.18	62	136000	52.343	ug/l	99
43) Isopropyl Acetate	6.43	43	227163	51.628	ug/l	100
44) Trichloroethene	7.20	130	98476	49.044	ug/l	94
45) 1,2-Dichloropropane	7.50	63	96739	52.420	ug/l	99
46) Dibromomethane	7.65	93	64936	52.812	ug/l	98
47) Bromodichloromethane	7.89	83	129406	53.930	ug/l	97
48) Methyl methacrylate	7.76	41	110967	51.753	ug/l	100
49) 1,4-Dioxane	7.73	88	47341	828.964	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	690614	251.744	ug/l	100
52) Toluene	8.78	92	241751	52.187	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	143474	48.003	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158234	53.617	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	98010	53.462	ug/l	97
56) Ethyl methacrylate	9.17	69	161717	49.289	ug/l	99
57) 1,3-Dichloropropane	9.36	76	166641	52.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	367015	272.520	ug/l	100
59) 2-Hexanone	9.48	43	528002	247.250	ug/l	99
60) Dibromochloromethane	9.57	129	99030	48.596	ug/l	98
61) 1,2-Dibromoethane	9.67	107	102814	53.313	ug/l	99
64) Tetrachloroethene	9.33	164	91614	51.607	ug/l	95
65) Chlorobenzene	10.14	112	256109	50.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	92524	52.503	ug/l	99
67) Ethyl Benzene	10.25	91	465678	51.581	ug/l	99
68) m/p-Xylenes	10.35	106	348709	103.390	ug/l	100
69) o-Xylene	10.70	106	170107	51.719	ug/l	99
70) Styrene	10.71	104	298117	53.317	ug/l	99
71) Bromoform	10.85	173	68897	46.150	ug/l #	100
73) Isopropylbenzene	11.01	105	458837	51.109	ug/l	100
74) N-amyl acetate	10.89	43	198192	51.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	147765	49.487	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	175573	64.827	ug/l	77
77) Bromobenzene	11.25	156	104795	49.536	ug/l	95
78) n-propylbenzene	11.35	91	514852	52.118	ug/l	98
79) 2-Chlorotoluene	11.42	91	314811	50.707	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	383571	51.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47646	45.628	ug/l	98
82) 4-Chlorotoluene	11.51	91	372111	52.292	ug/l	99
83) tert-Butylbenzene	11.76	119	372299	50.913	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	395090	52.040	ug/l	99
85) sec-Butylbenzene	11.94	105	436411	51.513	ug/l	100
86) p-Isopropyltoluene	12.06	119	406377	51.720	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	199117	50.684	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	202011	50.773	ug/l	98
89) n-Butylbenzene	12.38	91	356768	54.026	ug/l	99
90) Hexachloroethane	12.59	117	68695	47.323	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	197311	51.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35091	50.140	ug/l	97

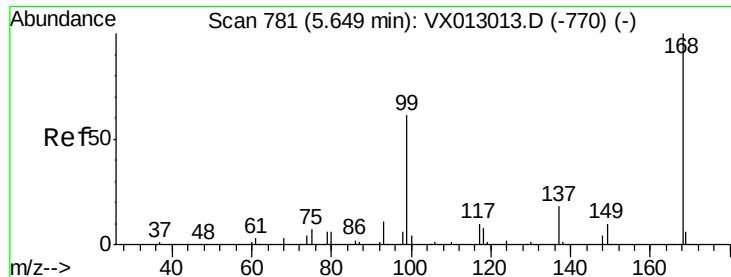
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	128714	53.351	ug/l	99
94) Hexachlorobutadiene	13.78	225	58346	52.402	ug/l	99
95) Naphthalene	13.83	128	438247	52.401	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	127918	51.307	ug/l	100

(#) = 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. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

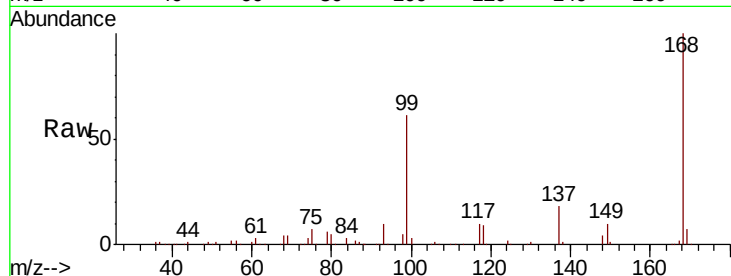
VSTDCCC050

Tot Ion:168 Resp: 167151

Ion Ratio Lower Upper

168 100

99 60.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

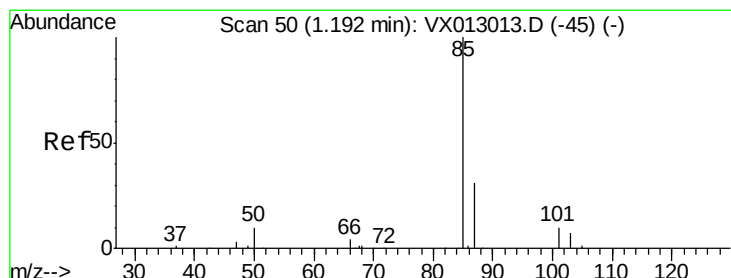
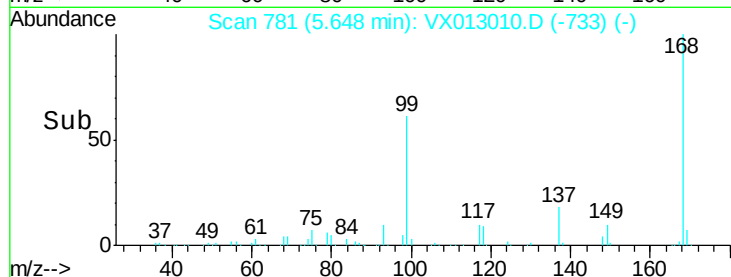
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.693 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013010.D

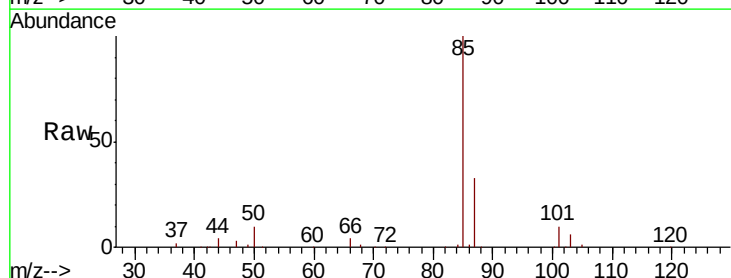
Acq: 11 Oct 2019 12:38

Tgt Ion: 85 Resp: 82963

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

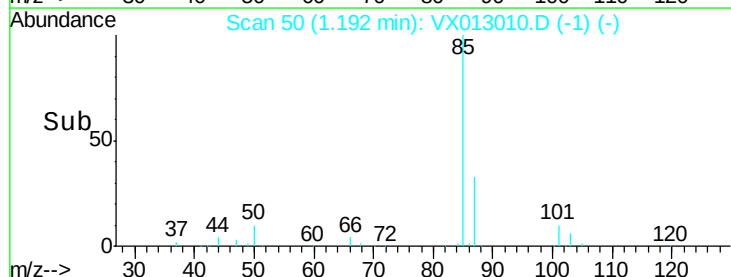
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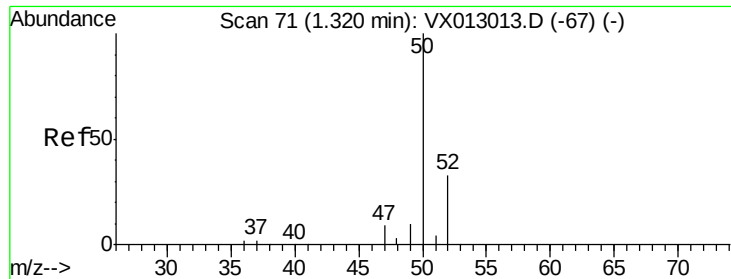
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 48.646 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

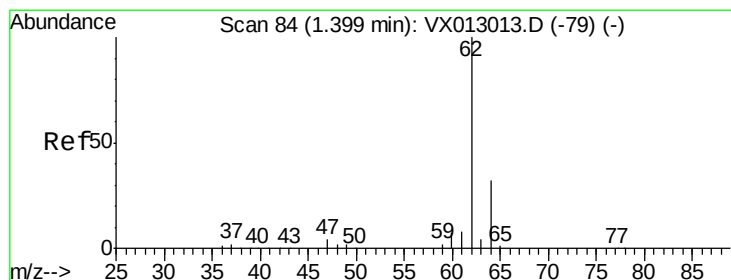
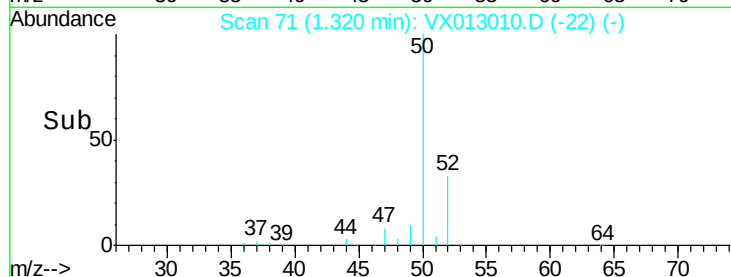
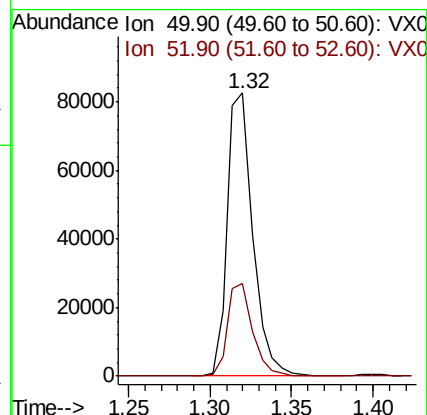
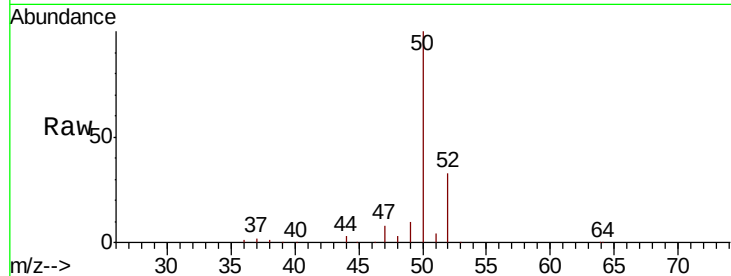
VSTDCCC050

Tot Ion: 50 Resp: 90202

Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8



#4

Vinyl Chloride

Concen: 46.284 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013010.D

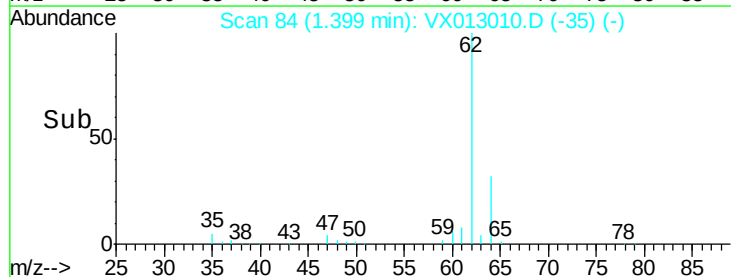
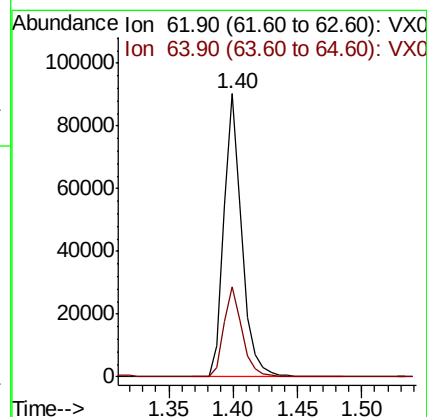
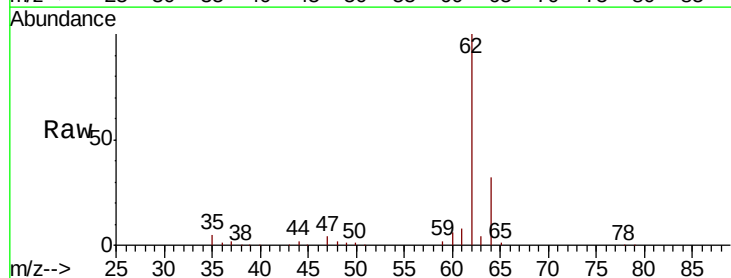
Acq: 11 Oct 2019 12:38

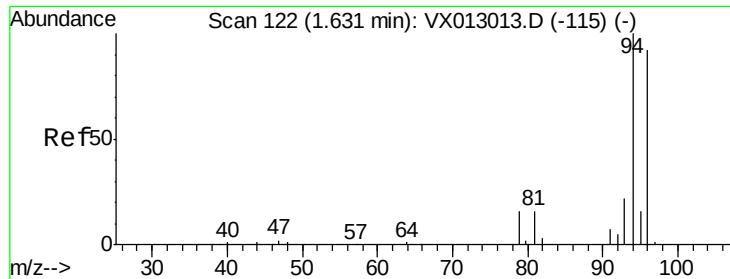
Tgt Ion: 62 Resp: 88583

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9

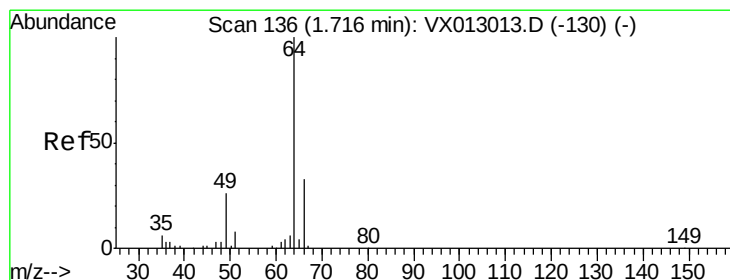
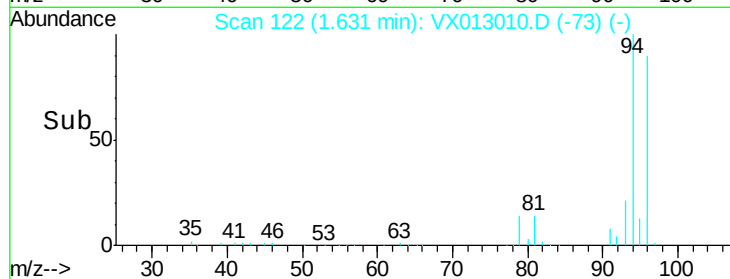
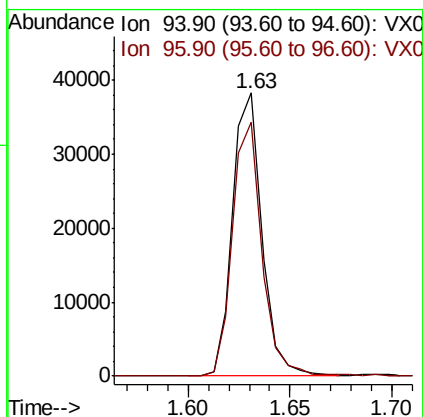
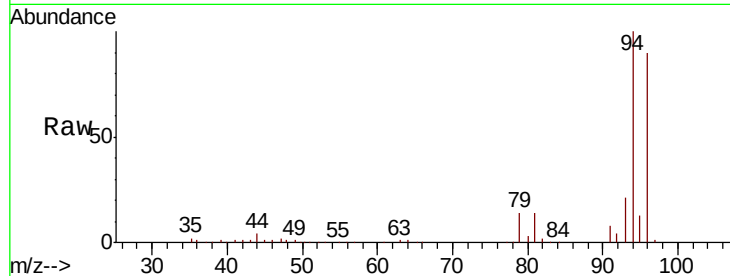




#5
Bromomethane
Concen: 48.053 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

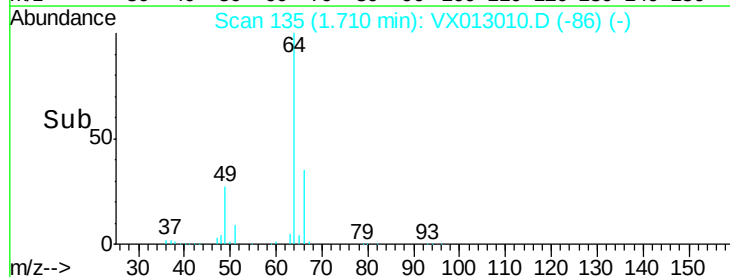
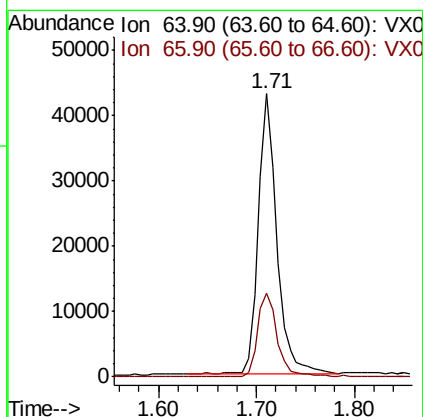
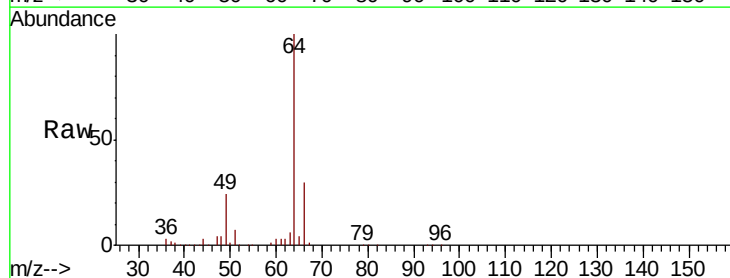
Instrument :
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ClientSampleId :
VSTDCCC050

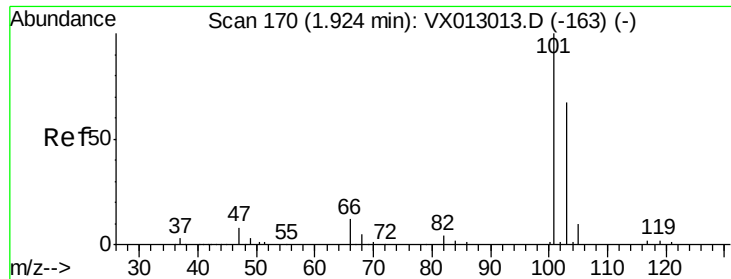
Tot Ion: 94 Resp: 38230
Ion Ratio Lower Upper
94 100
96 89.9 74.7 112.1



#6
Chloroethane
Concen: 48.763 ug/l
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 64 Resp: 56996
Ion Ratio Lower Upper
64 100
66 29.7 25.6 38.4



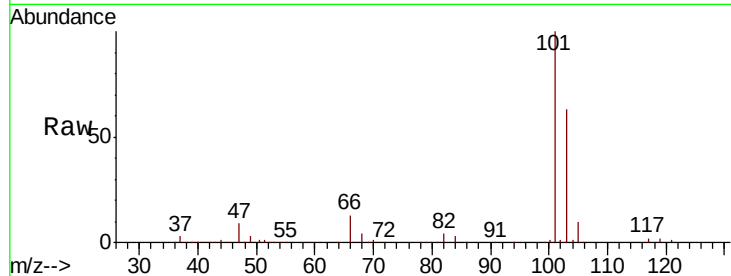


#7

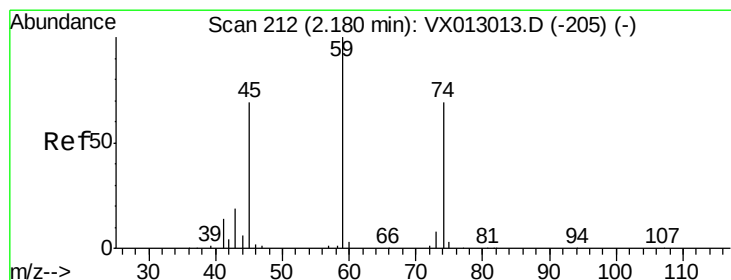
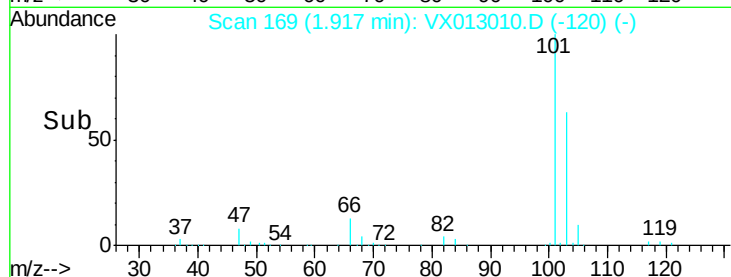
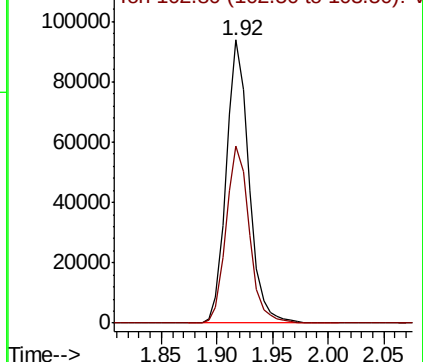
Trichlorofluoromethane
Concen: 51.377 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 132717
Ion Ratio Lower Upper
101 100
103 62.7 52.5 78.7



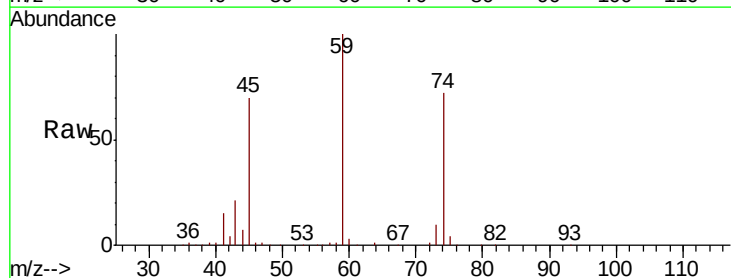
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



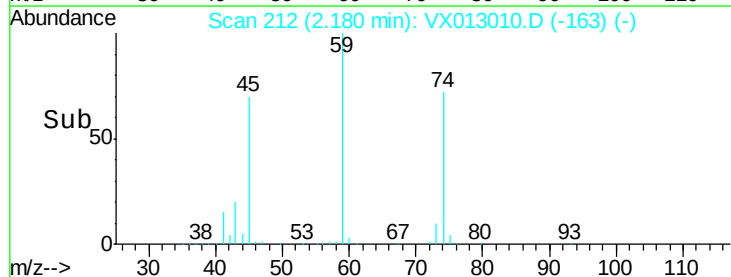
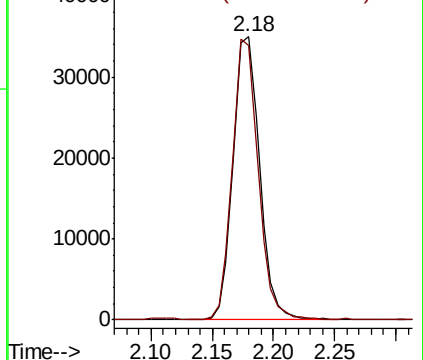
#8

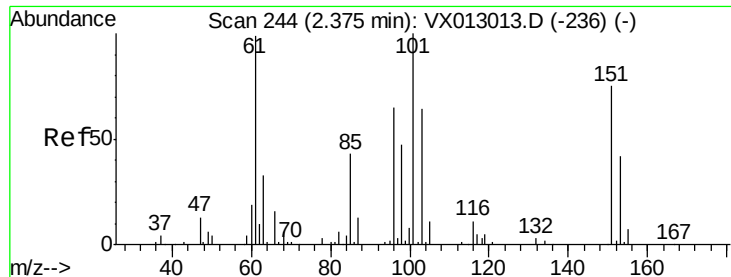
Diethyl Ether
Concen: 50.318 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 74 Resp: 52466
Ion Ratio Lower Upper
74 100
45 95.8 47.8 143.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.603 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

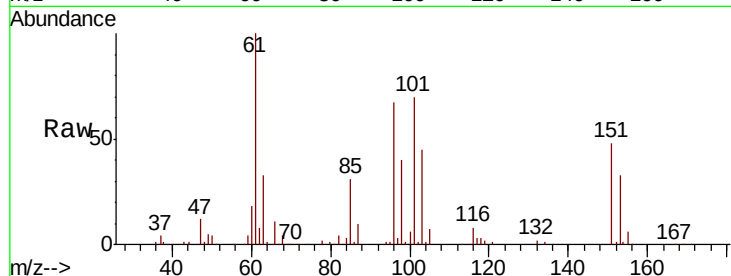
Tot Ion:101 Resp: 86271

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

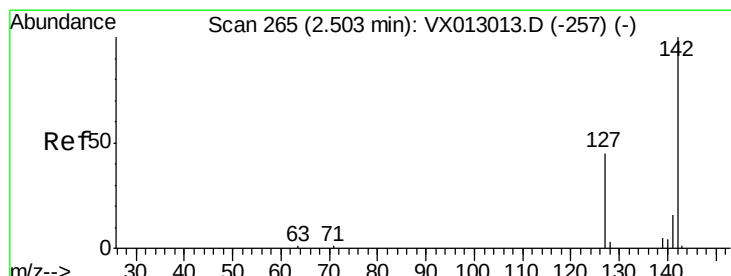
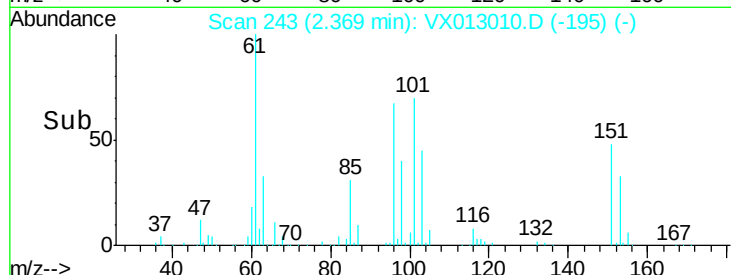
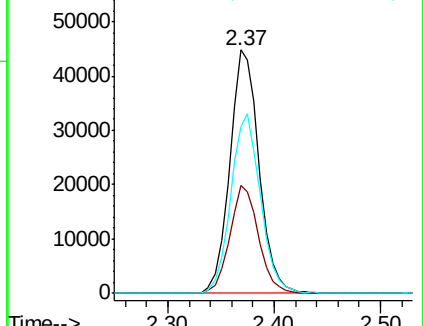
151 74.9 60.3 90.5



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: 49.929 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

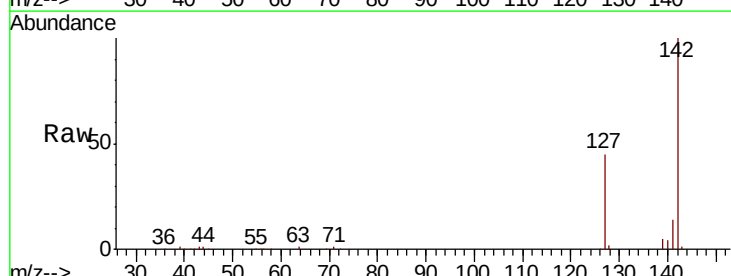
Tgt Ion:142 Resp: 94551

Ion Ratio Lower Upper

142 100

127 43.8 34.9 52.3

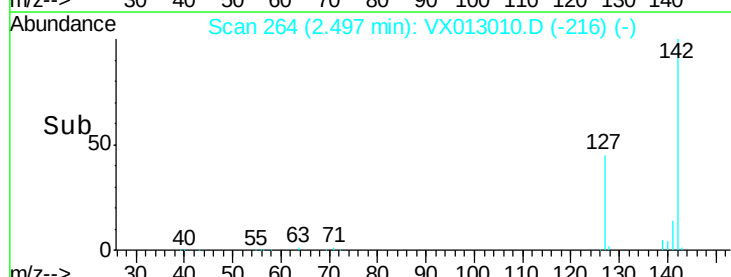
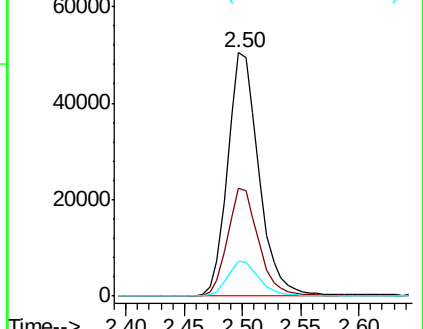
141 14.4 11.6 17.4

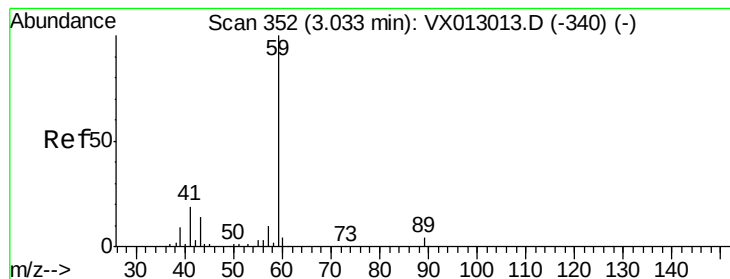


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



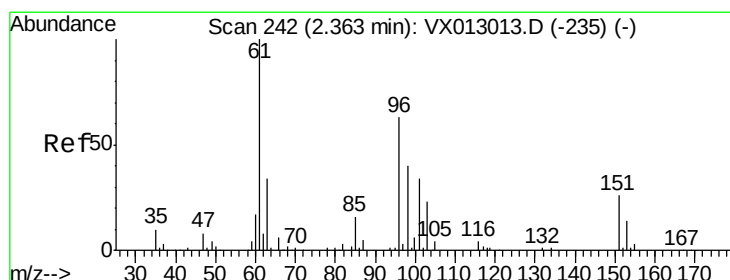
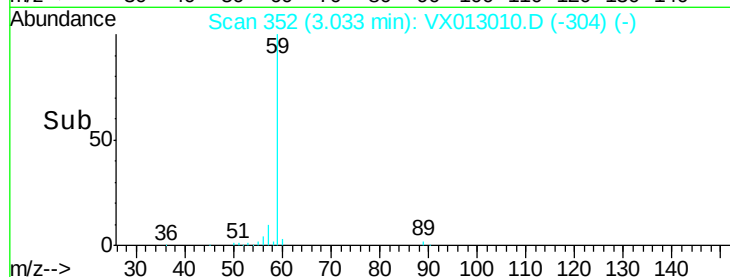
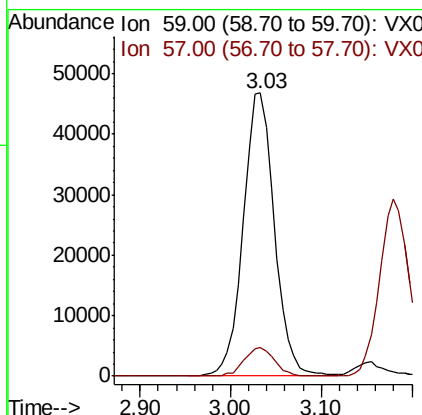
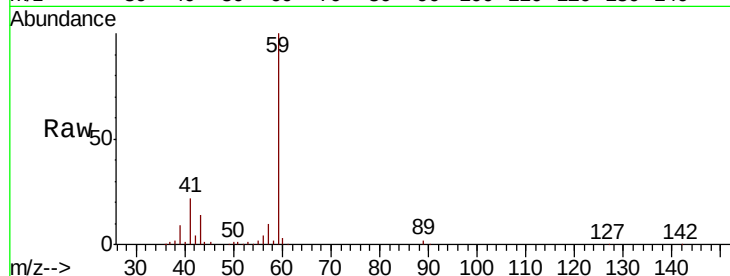


#11

Tert butyl alcohol
 Concen: 201.617 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

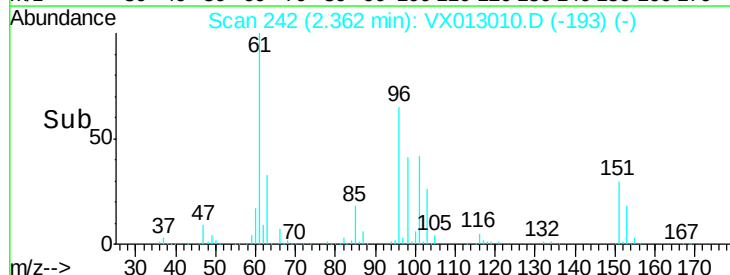
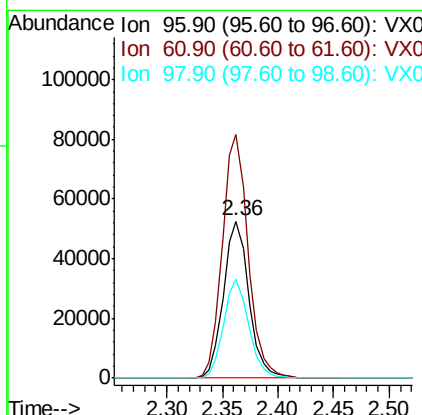
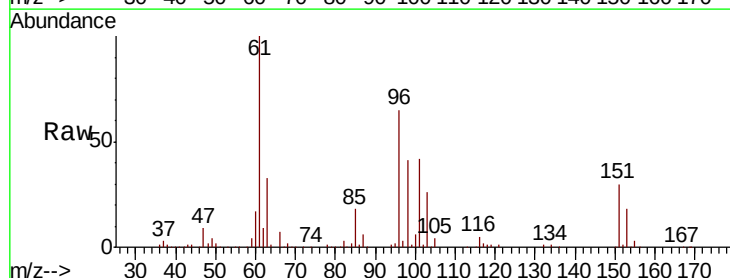
Tot Ion: 59 Resp: 111660
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

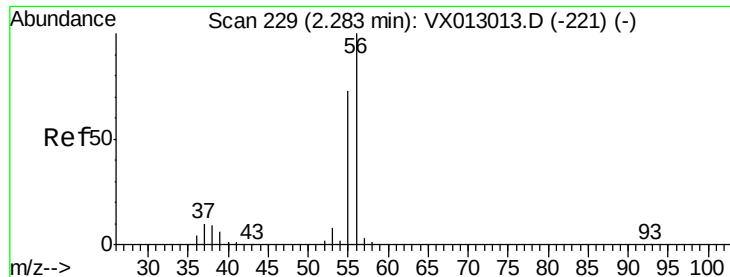


#12

1,1-Dichloroethene
 Concen: 49.264 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion: 96 Resp: 83214
 Ion Ratio Lower Upper
 96 100
 61 154.9 132.2 198.4
 98 62.9 50.5 75.7





#13

Acrolein

Concen: 254.446 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

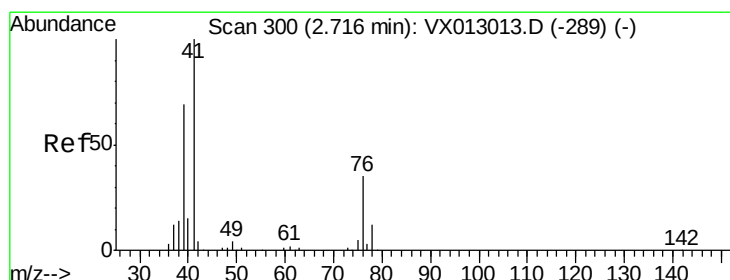
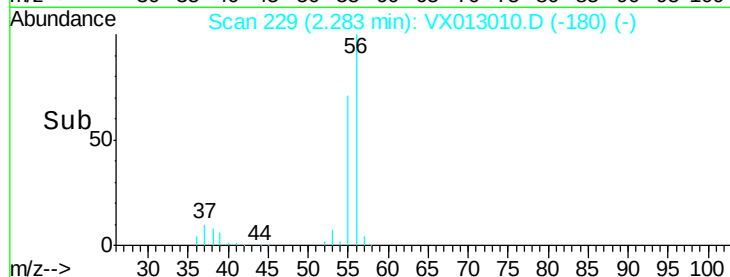
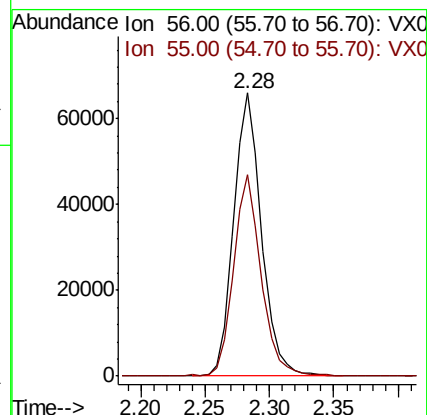
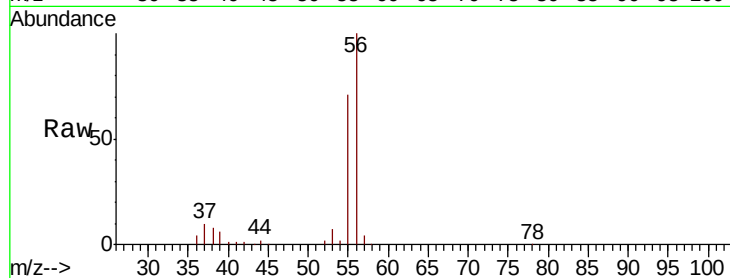
VSTDCCC050

Tot Ion: 56 Resp: 100144

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



#14

Allyl chloride

Concen: 48.646 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

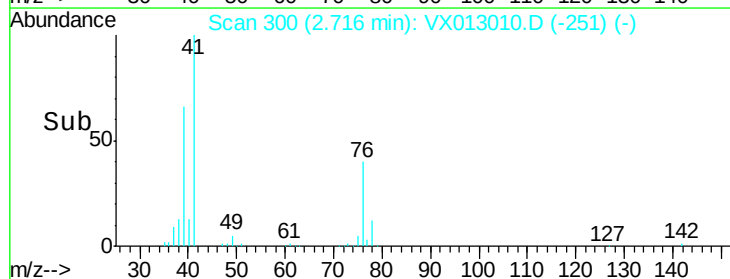
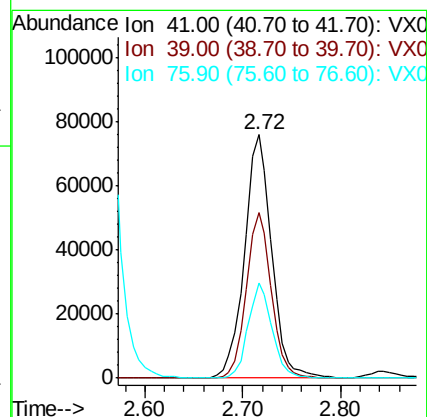
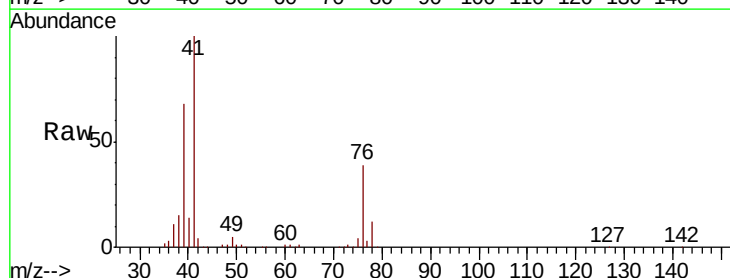
Tgt Ion: 41 Resp: 146332

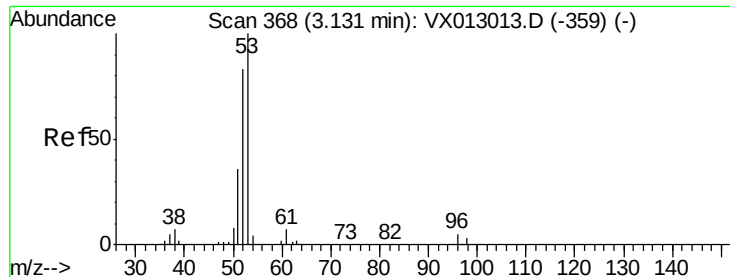
Ion Ratio Lower Upper

41 100

39 62.9 51.0 76.6

76 34.3 26.2 39.4





#15

Acrylonitrile

Concen: 248.511 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

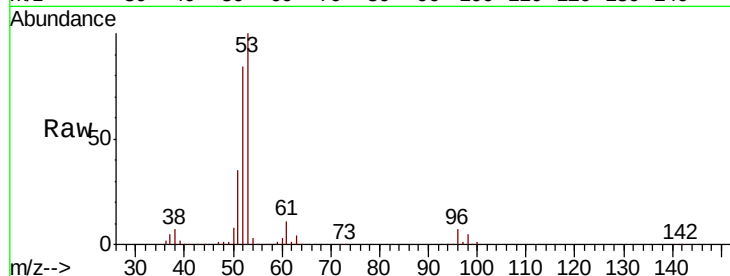
Tot Ion: 53 Resp: 260820

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

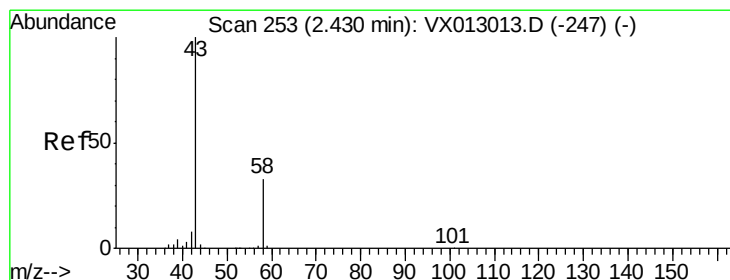
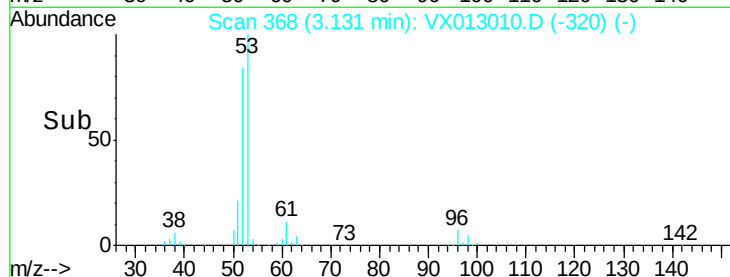
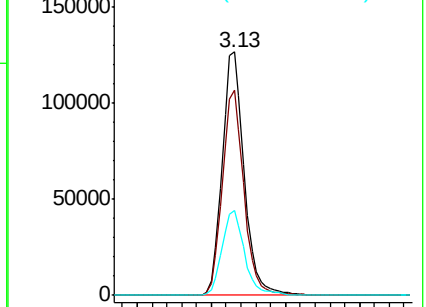
51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 221.551 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013010.D

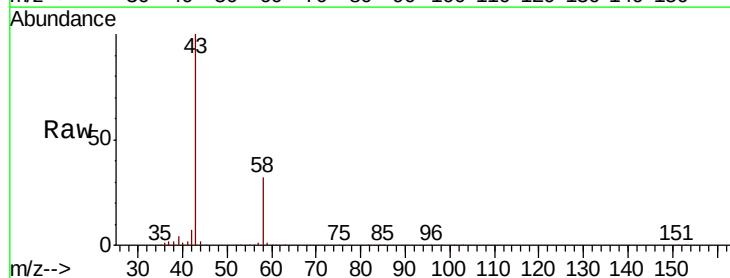
Acq: 11 Oct 2019 12:38

Tgt Ion: 43 Resp: 243973

Ion Ratio Lower Upper

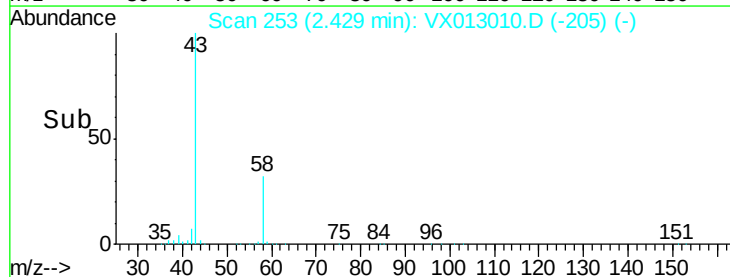
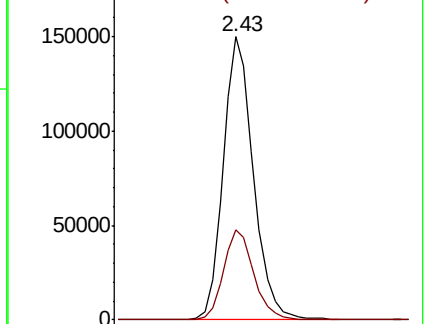
43 100

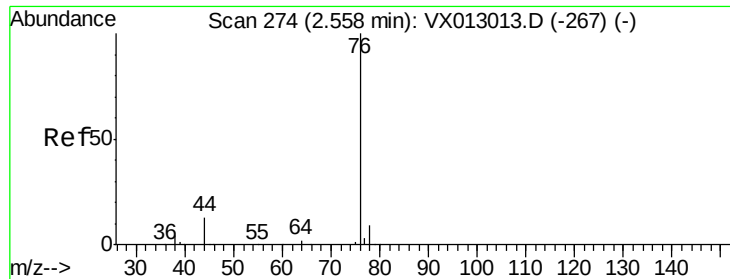
58 32.0 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.121 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

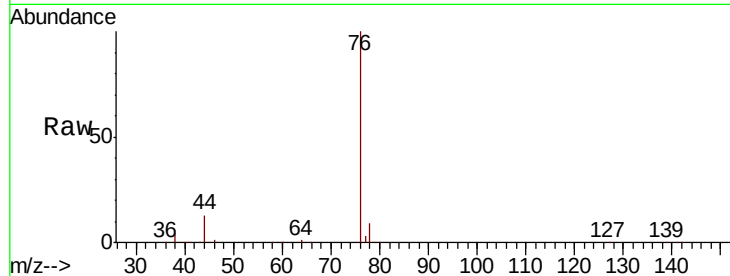
VSTDCCC050

Tot Ion: 76 Resp: 212505

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

150000

100000

50000

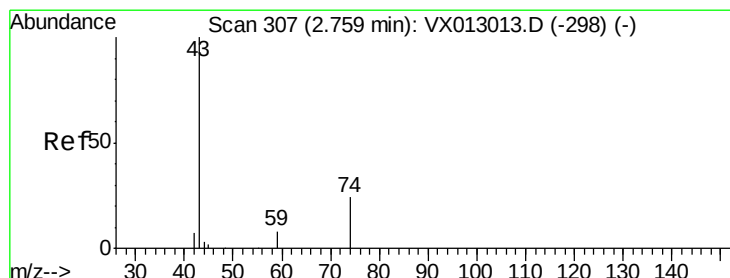
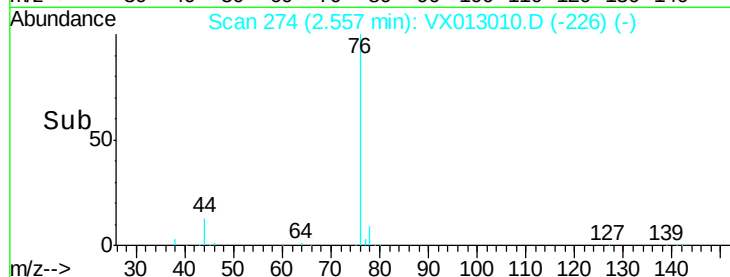
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 49.324 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX013010.D

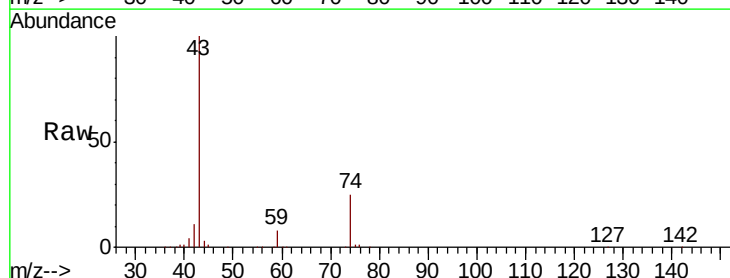
Acq: 11 Oct 2019 12:38

Tgt Ion: 43 Resp: 128744

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

60000

40000

20000

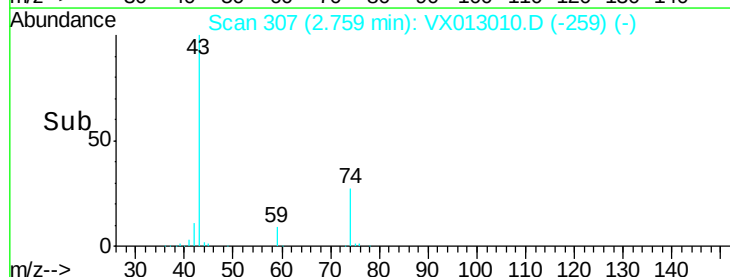
0

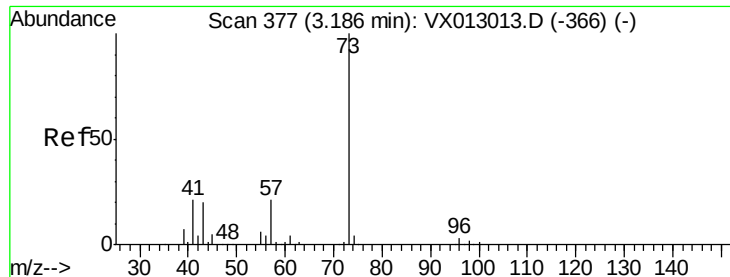
Time-->

2.70

2.80

2.90

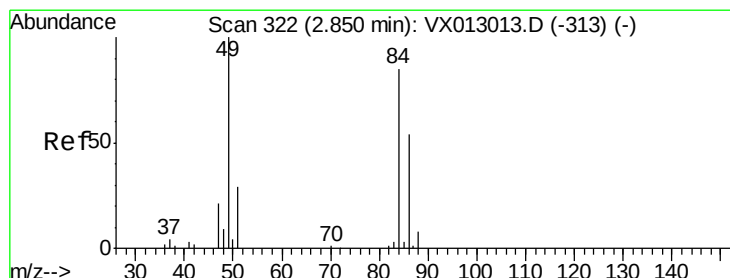
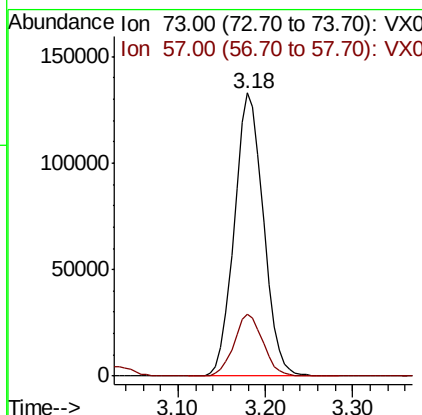
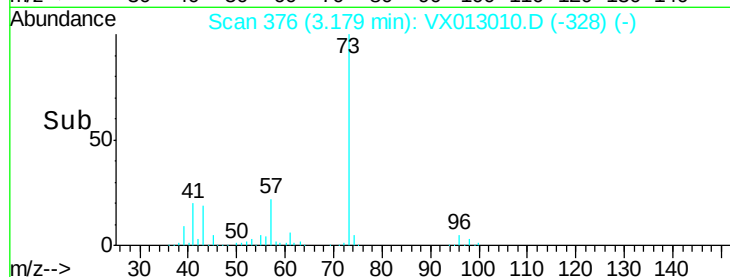
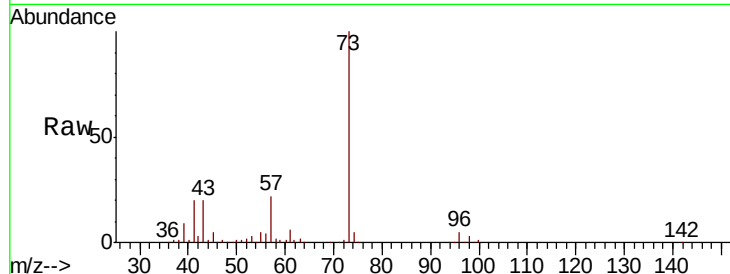




#19
Methvl tert-butvl Ether
Concen: 52.755 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

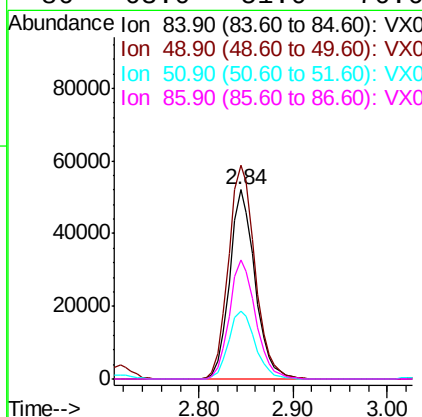
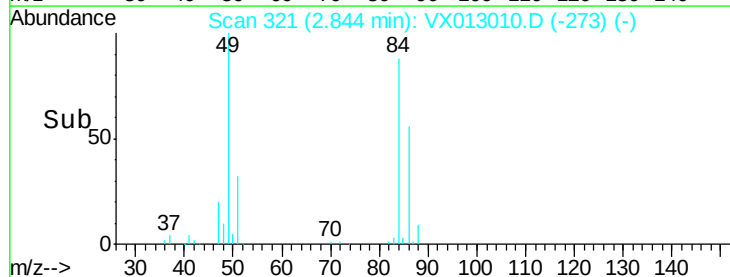
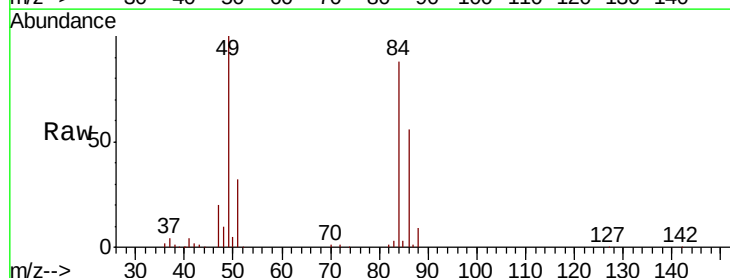
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

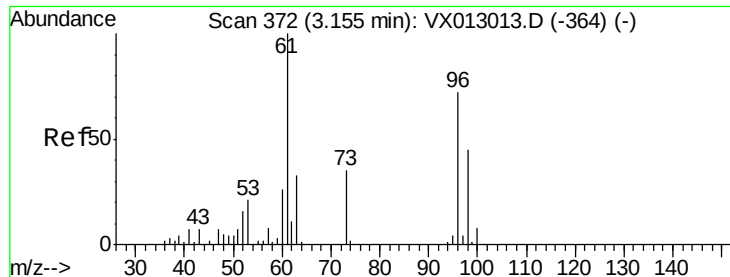
Tot Ion: 73 Resp: 307733
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.6



#20
Methylene Chloride
Concen: 48.382 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 84 Resp: 97916
Ion Ratio Lower Upper
84 100
49 113.1 96.6 144.8
51 35.7 30.7 46.1
86 63.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.048 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

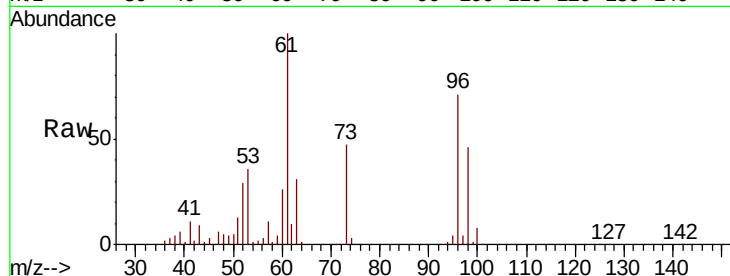
Tot Ion: 96 Resp: 88799

Ion Ratio Lower Upper

96 100

61 141.4 110.4 165.6

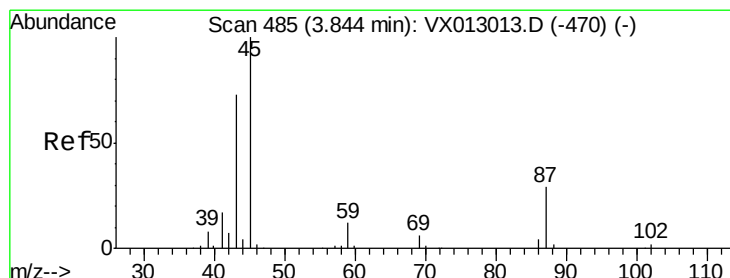
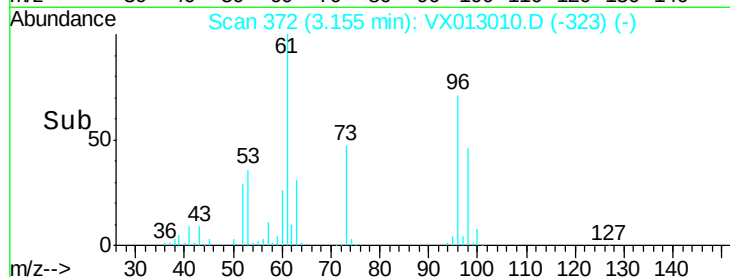
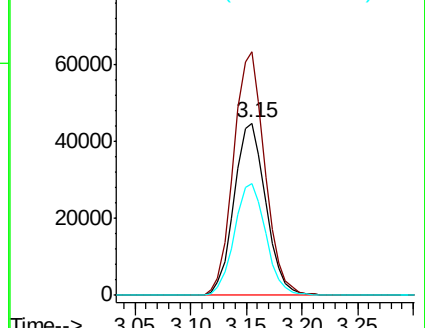
98 65.0 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.794 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion: 45 Resp: 298548

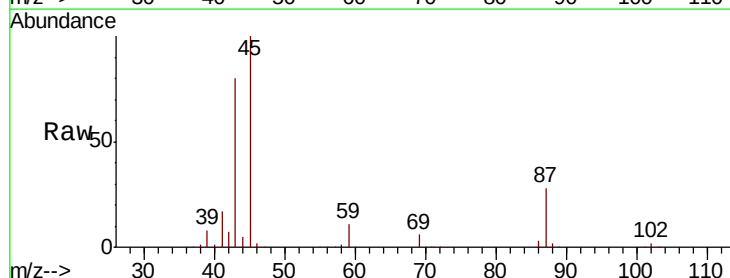
Ion Ratio Lower Upper

45 100

43 79.4 51.4 77.0#

87 28.0 22.5 33.7

59 11.4 9.7 14.5

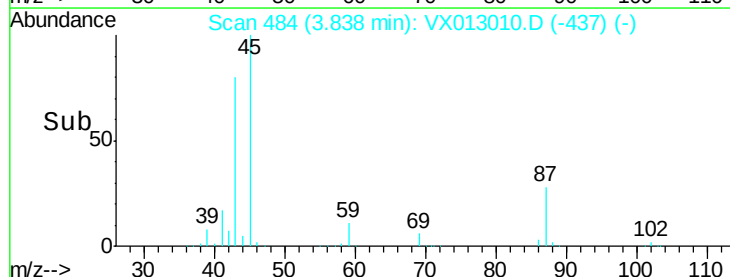
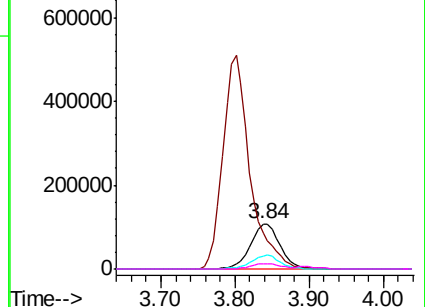


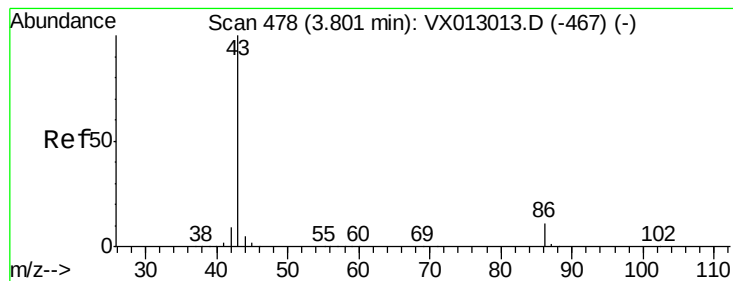
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 260.386 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

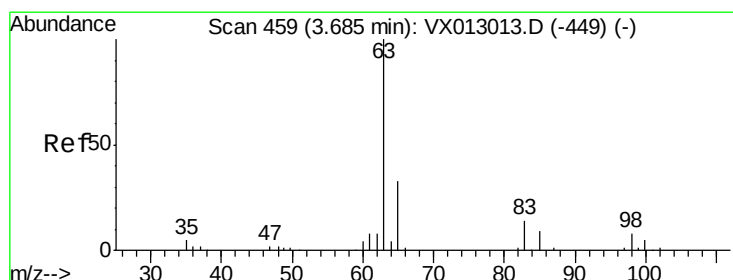
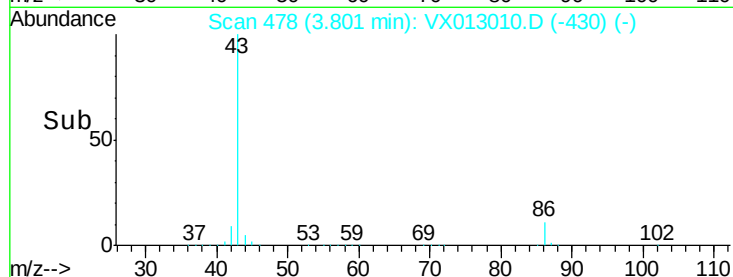
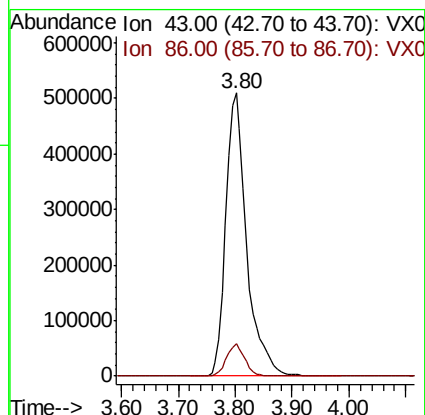
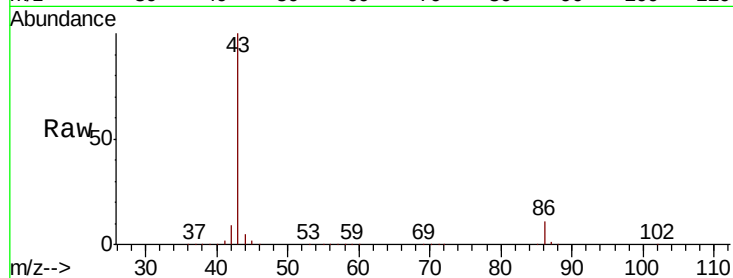
VSTDCCC050

Tot Ion: 43 Resp: 1295685

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 50.708 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

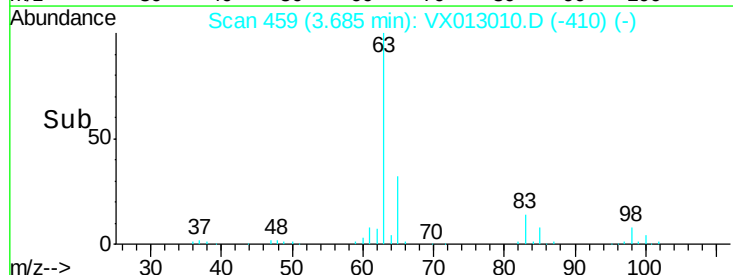
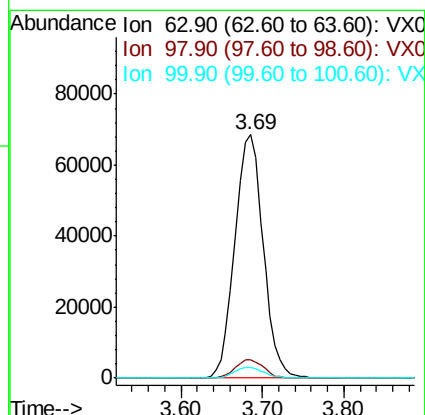
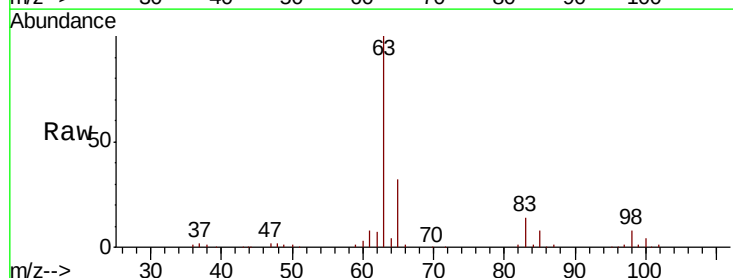
Tgt Ion: 63 Resp: 164433

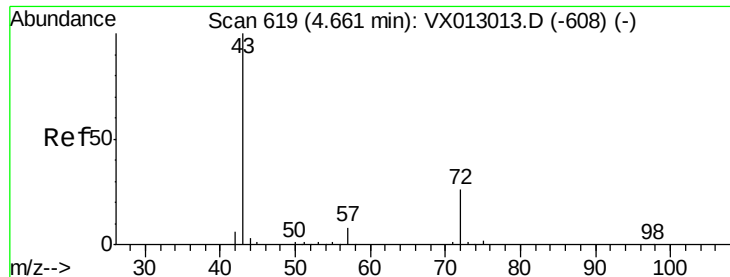
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 236.350 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

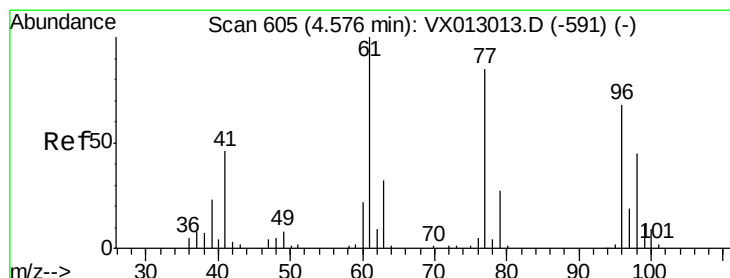
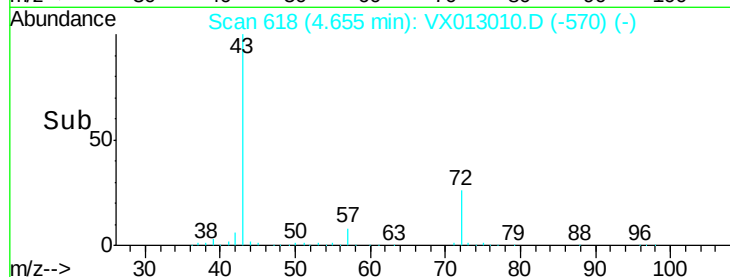
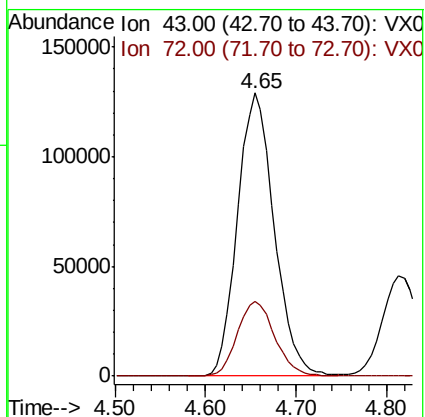
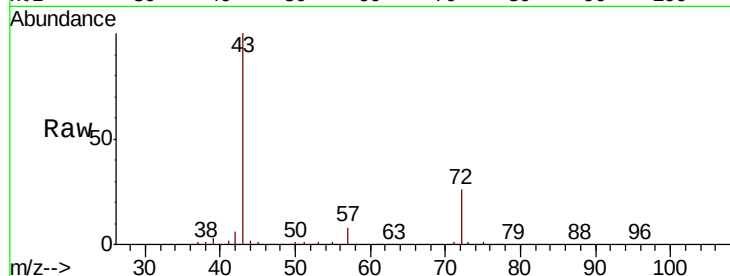
VSTDCCC050

Tot Ion: 43 Resp: 361087

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.6



#26

2,2-Dichloropropane

Concen: 49.633 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013010.D

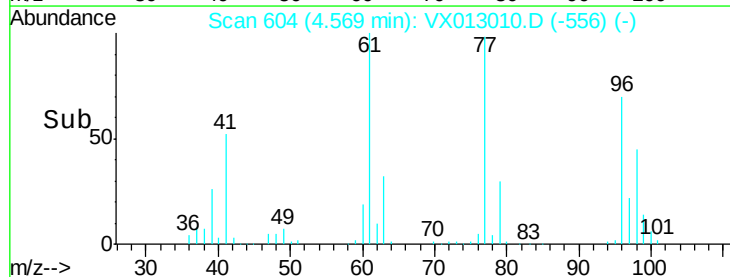
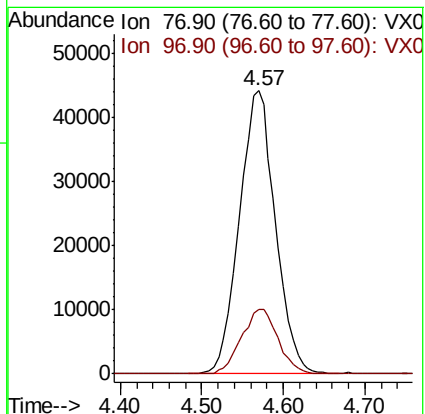
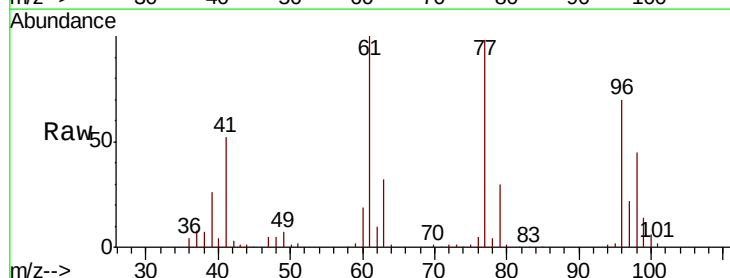
Acq: 11 Oct 2019 12:38

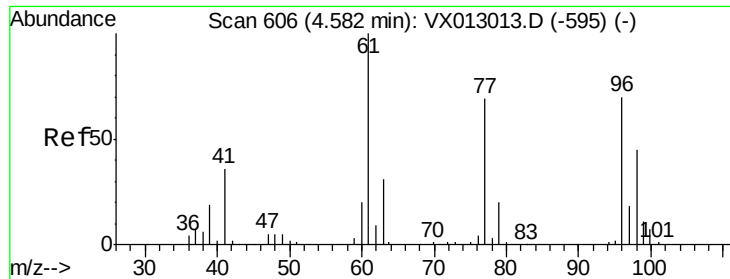
Tgt Ion: 77 Resp: 135342

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9



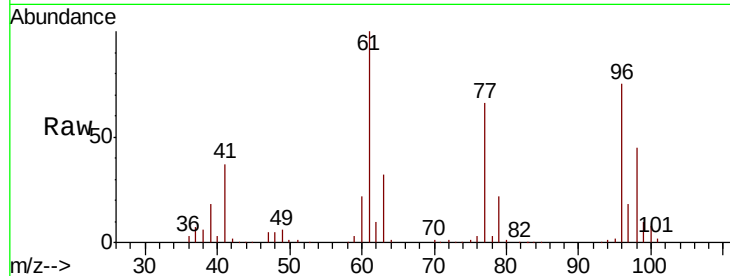


#27

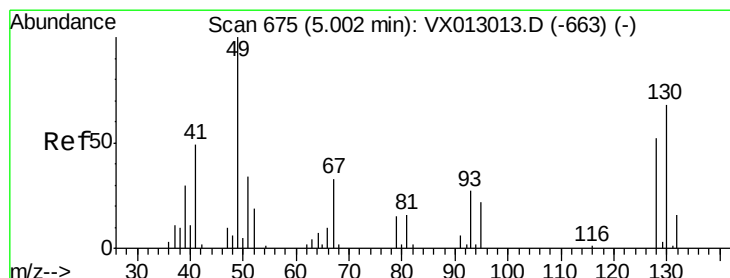
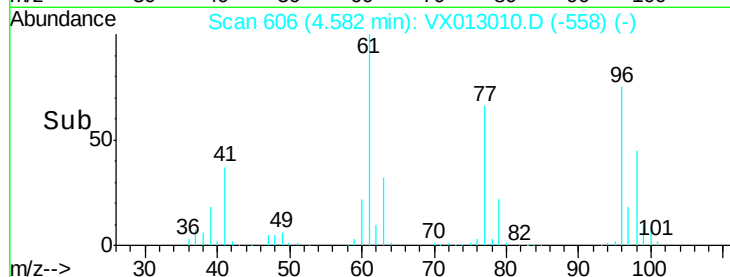
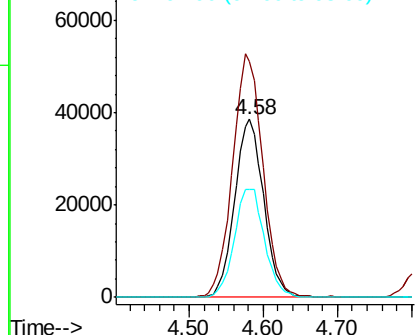
cis-1,2-Dichloroethene
 Concen: 50.740 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 105889
 Ion Ratio Lower Upper
 96 100
 61 141.3 0.0 290.6
 98 62.9 0.0 128.8



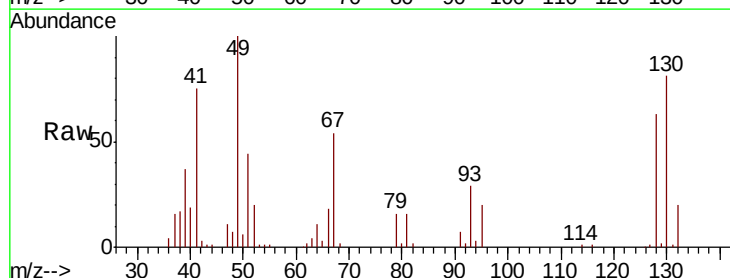
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



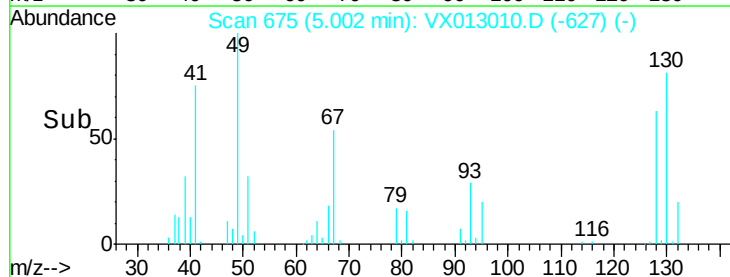
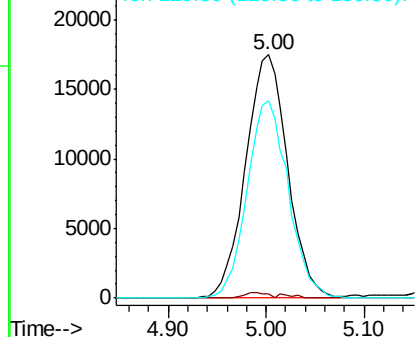
#28

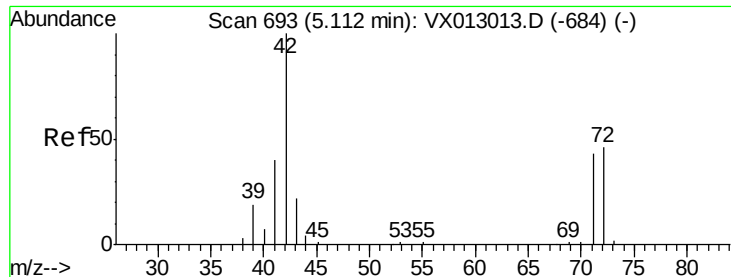
Bromochloromethane
 Concen: 54.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion: 49 Resp: 52297
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.2
 130 79.4 62.1 93.1



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





#29

Tetrahydrofuran

Concen: 242.479 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

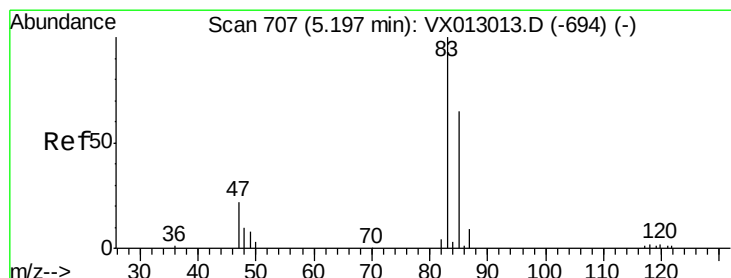
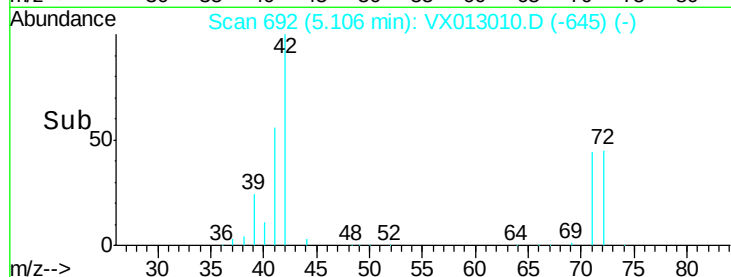
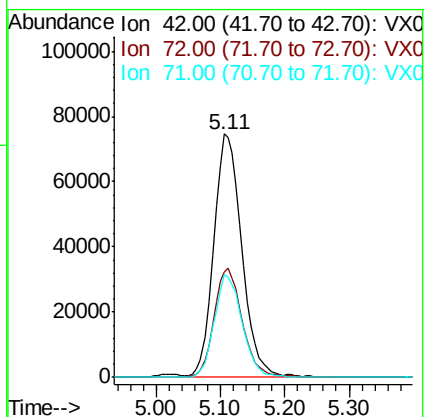
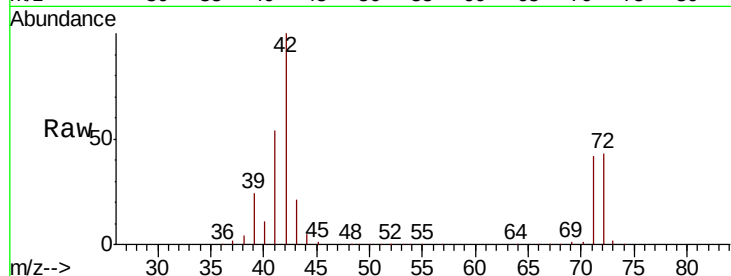
Tot Ion: 42 Resp: 227963

Ion Ratio Lower Upper

42 100

72 45.3 36.9 55.3

71 42.3 33.5 50.3



#30

Chloroform

Concen: 50.400 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013010.D

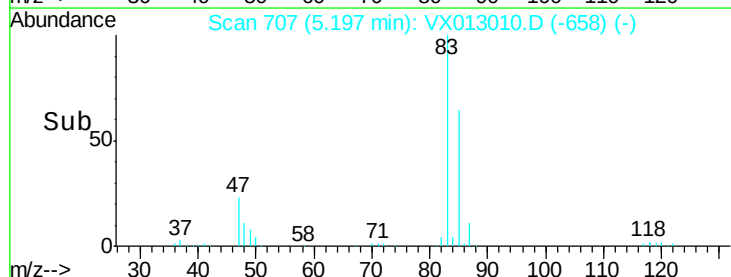
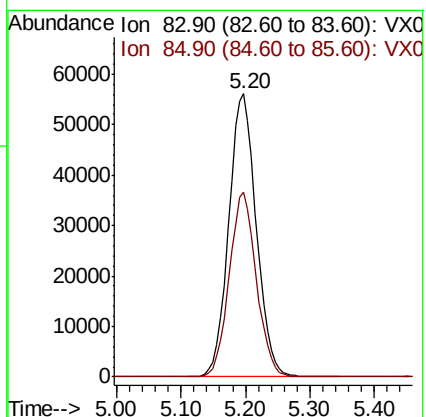
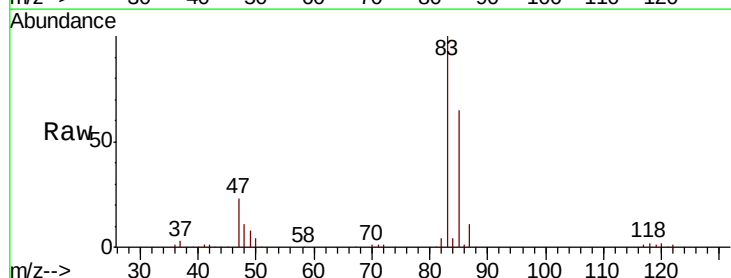
Acq: 11 Oct 2019 12:38

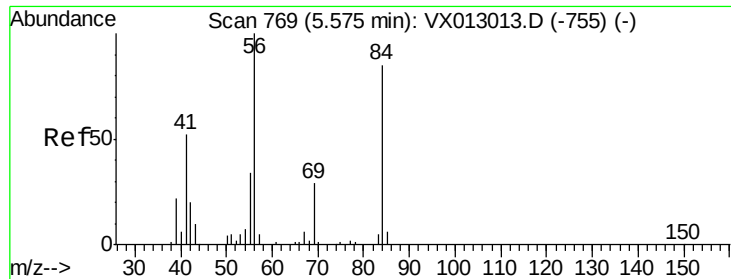
Tgt Ion: 83 Resp: 167699

Ion Ratio Lower Upper

83 100

85 65.4 51.5 77.3





#31

Cyclohexane

Concen: 49.736 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

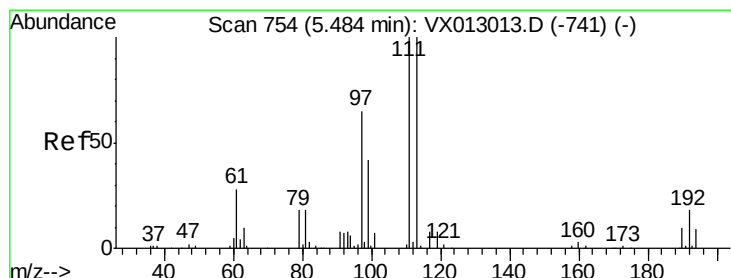
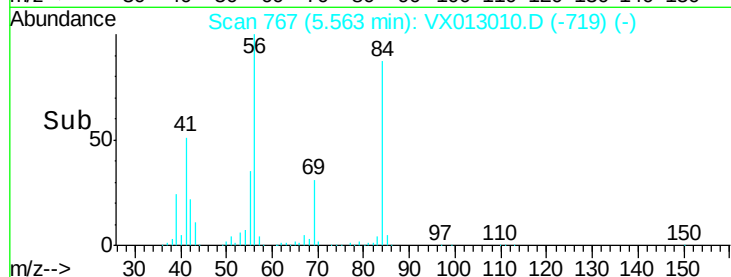
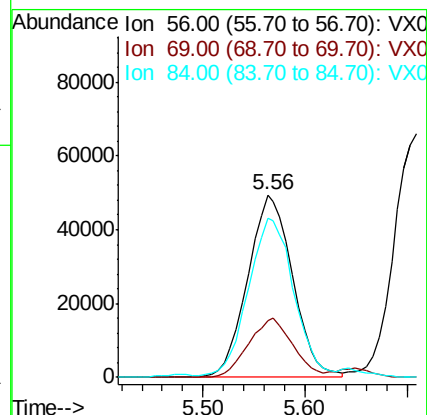
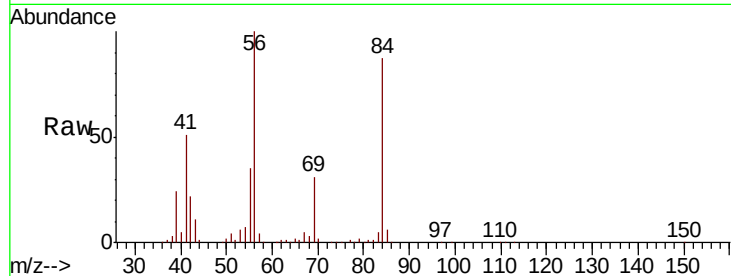
Tot Ion: 56 Resp: 150812

Ion Ratio Lower Upper

56 100

69 31.4 25.2 37.8

84 85.8 71.3 106.9



#32

1,1,1-Trichloroethane

Concen: 51.221 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

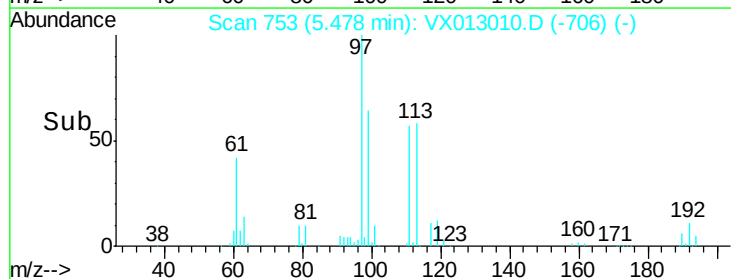
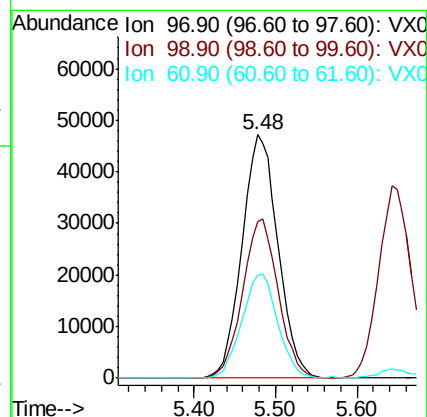
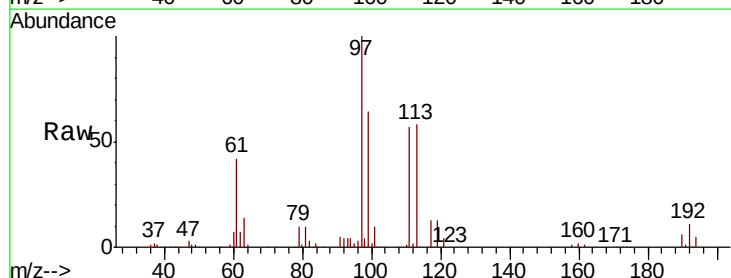
Tgt Ion: 97 Resp: 144406

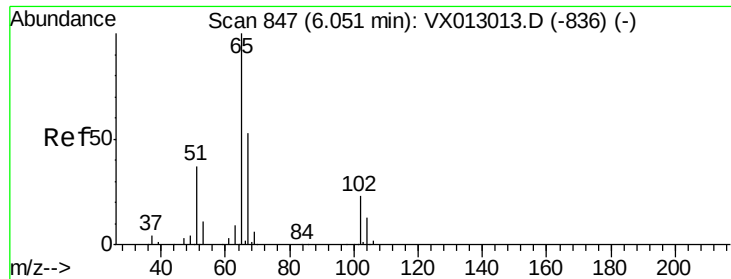
Ion Ratio Lower Upper

97 100

99 64.7 52.3 78.5

61 42.8 35.0 52.4

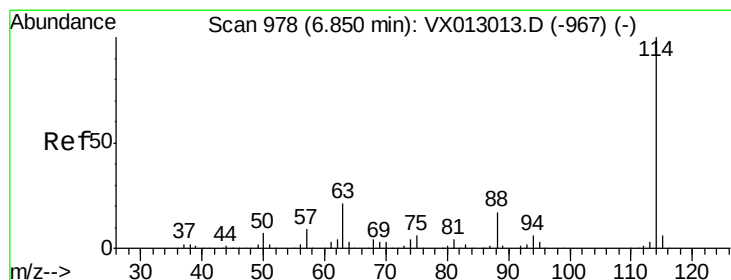
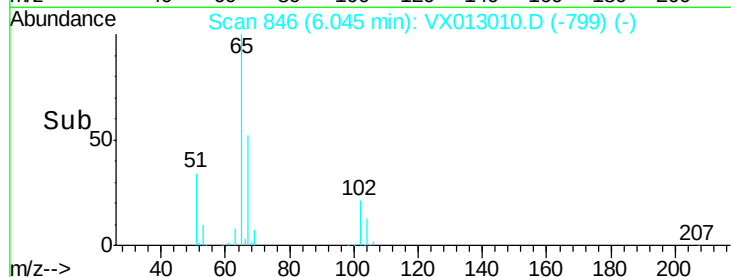
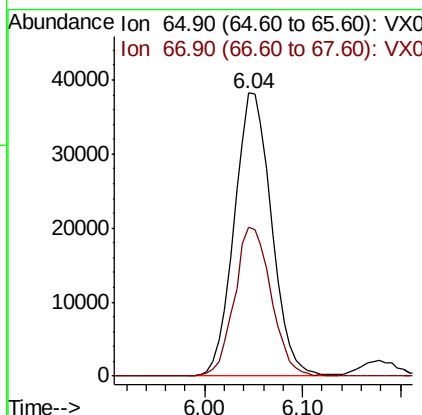
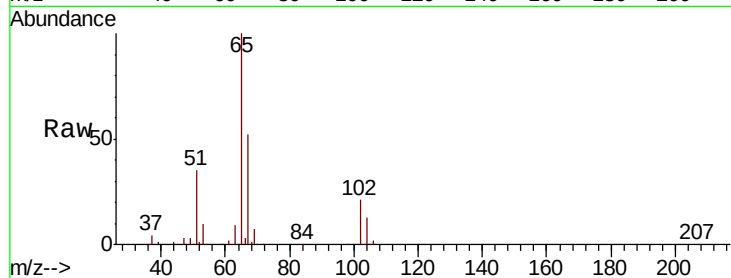




#33
 1,2-Dichloroethane-d4
 Concen: 48.492 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

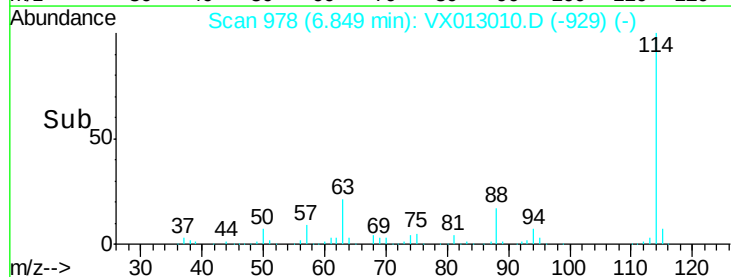
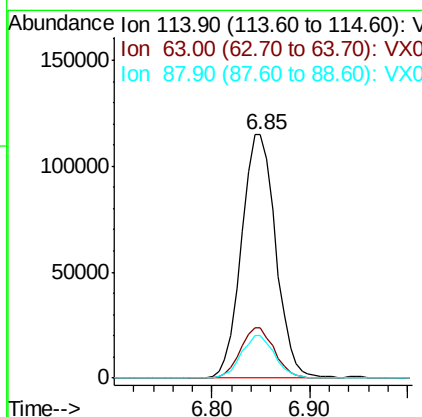
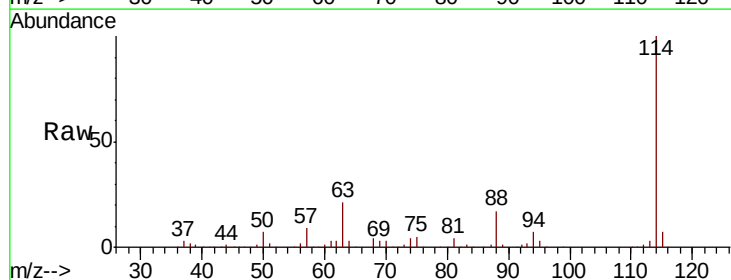
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

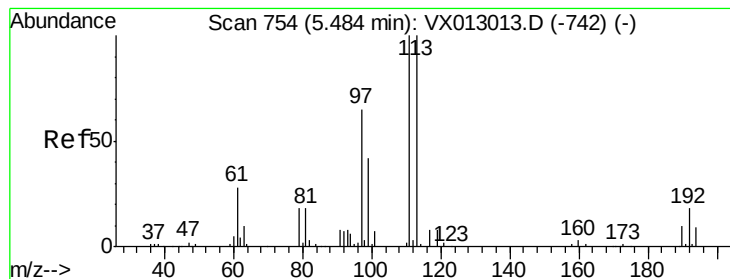
Tot Ion: 65 Resp: 101309
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion: 114 Resp: 278846
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.554 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

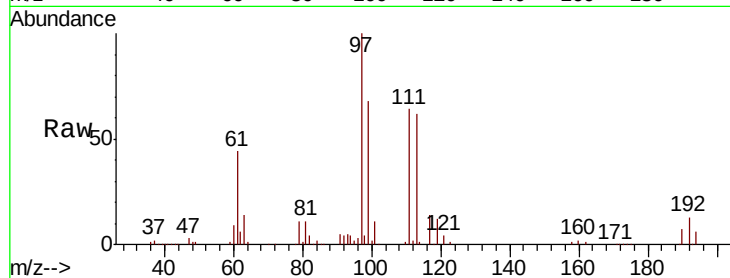
Tot Ion:113 Resp: 79307

Ion Ratio Lower Upper

113 100

111 104.2 83.2 124.8

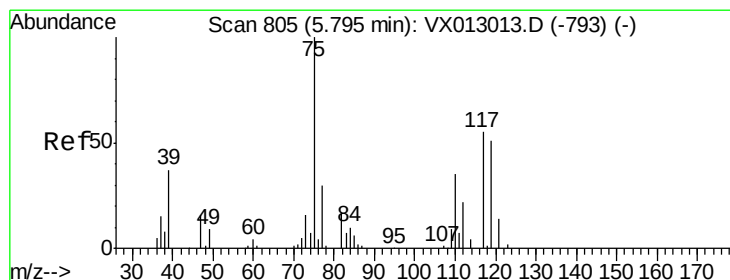
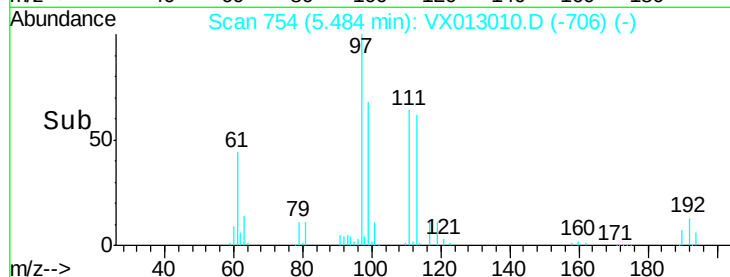
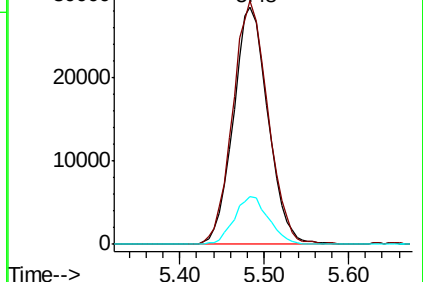
192 19.9 15.4 23.2



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: 51.388 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

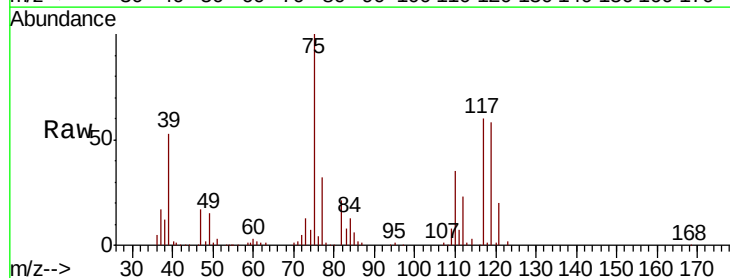
Tgt Ion: 75 Resp: 125985

Ion Ratio Lower Upper

75 100

110 35.2 17.6 52.9

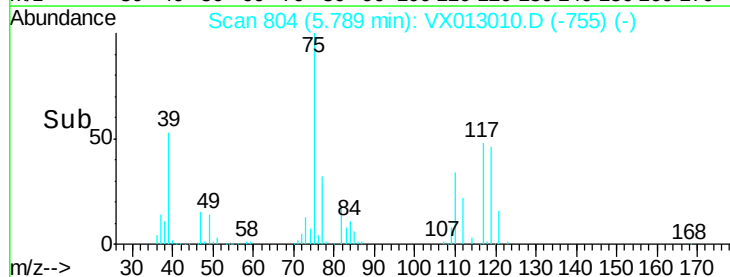
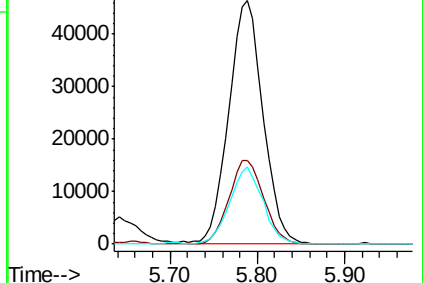
77 30.8 24.4 36.6

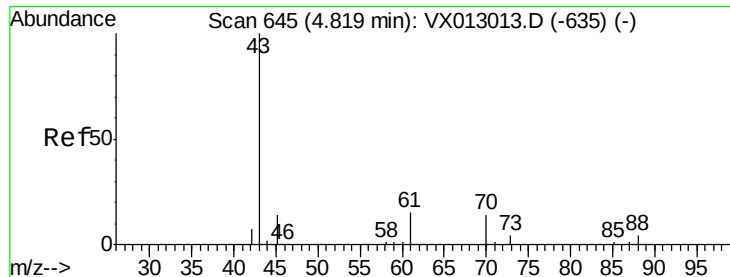


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

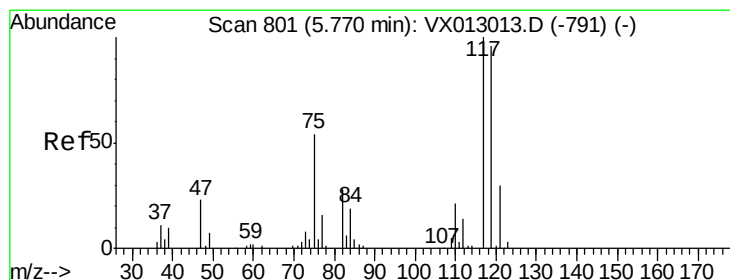
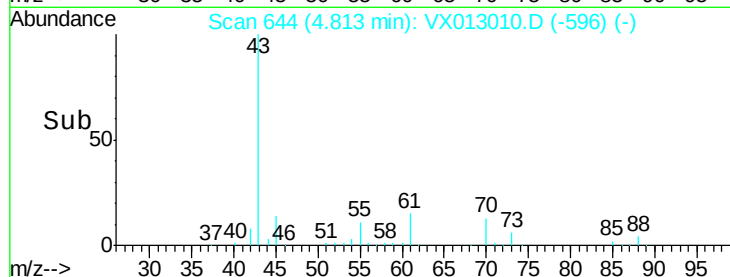
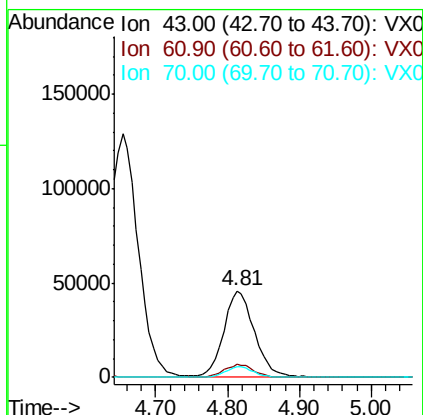
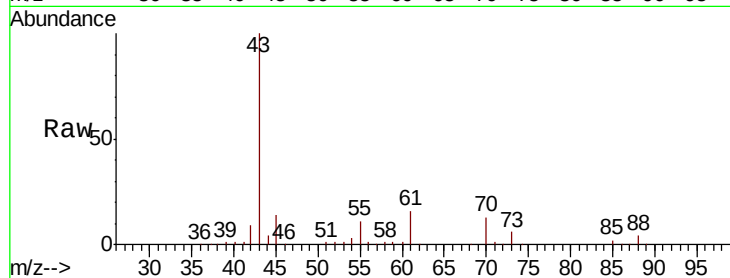




#37
Ethyl Acetate
Concen: 49.232 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

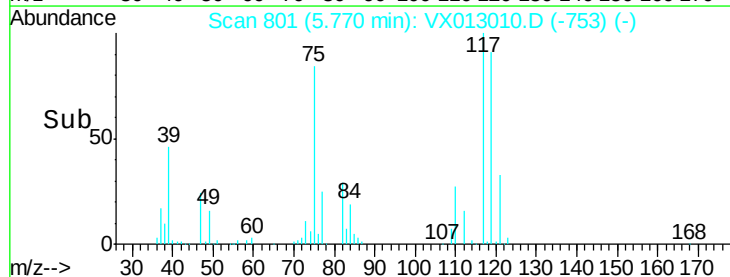
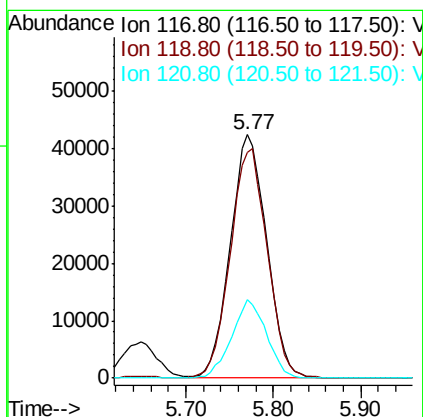
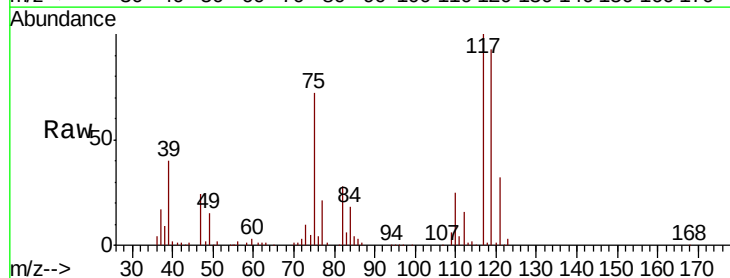
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

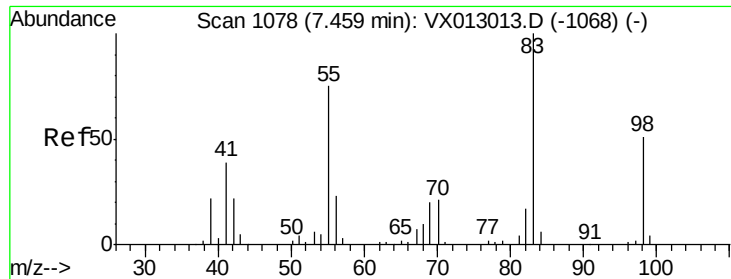
Tot Ion: 43 Resp: 134965
Ion Ratio Lower Upper
43 100
61 14.8 11.4 17.0
70 11.7 9.8 14.6



#38
Carbon Tetrachloride
Concen: 51.345 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 117 Resp: 122523
Ion Ratio Lower Upper
117 100
119 92.6 74.5 111.7
121 32.1 24.2 36.4

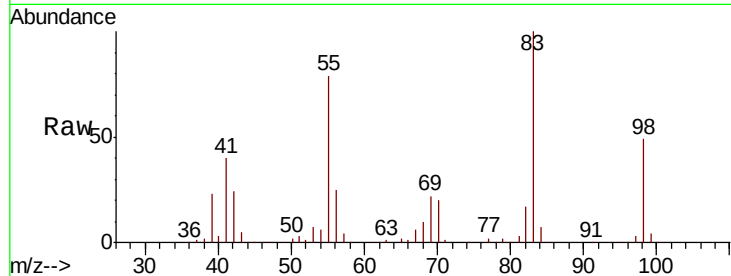




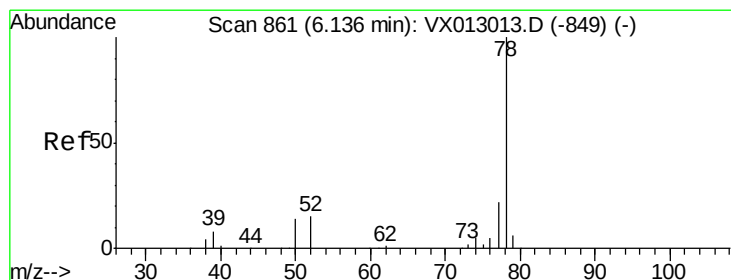
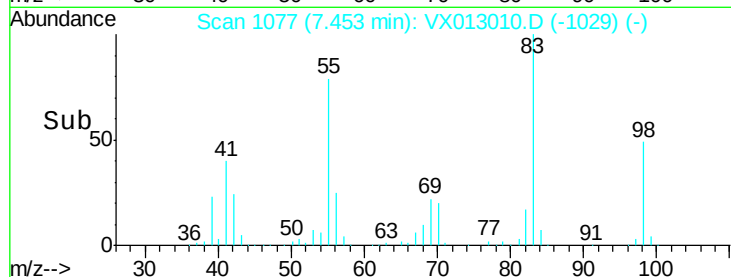
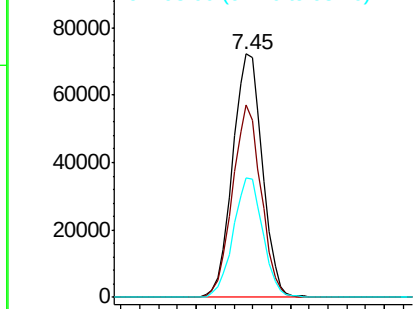
#39
Methylvlcyclohexane
Concen: 53.242 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	158297
Ion Ratio	Lower	Upper	
83	100		
55	79.0	60.2	90.4
98	49.0	38.5	57.7

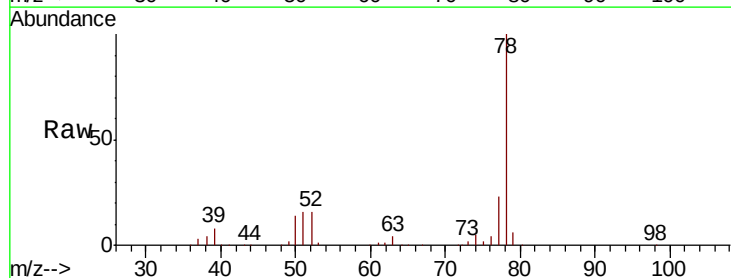


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

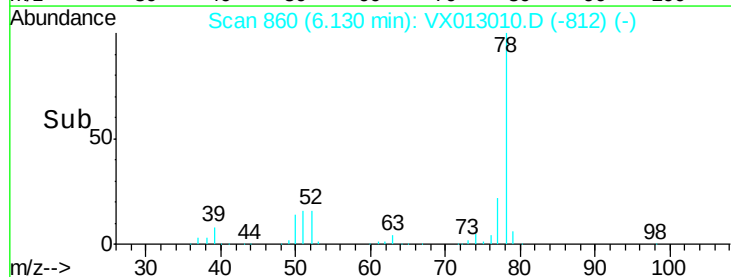
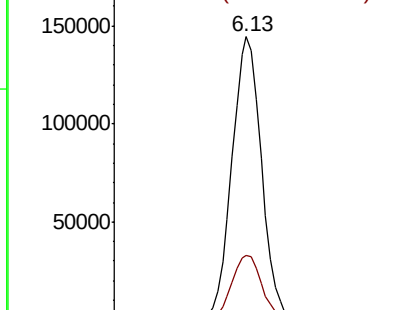


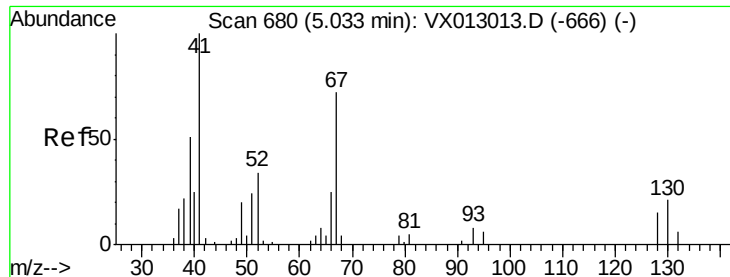
#40
Benzene
Concen: 52.051 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	78	Resp	376898
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

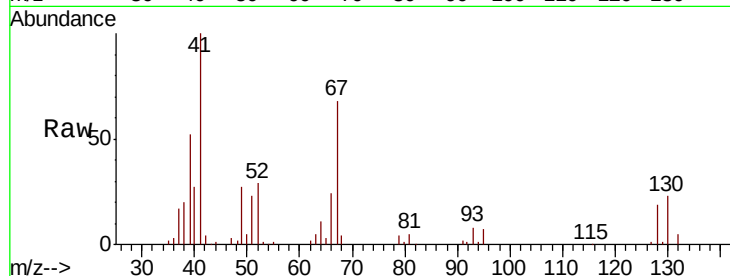




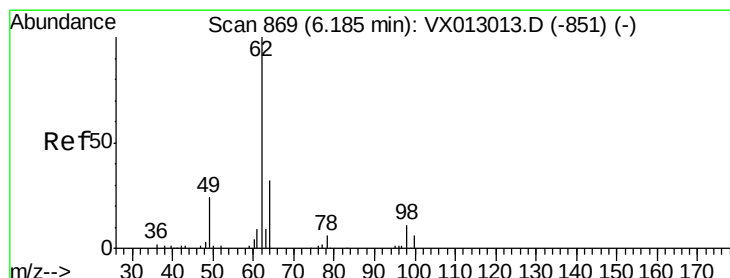
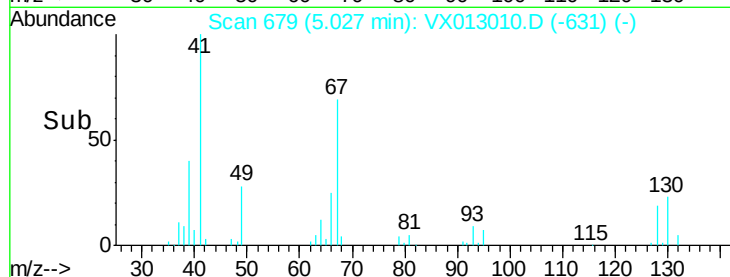
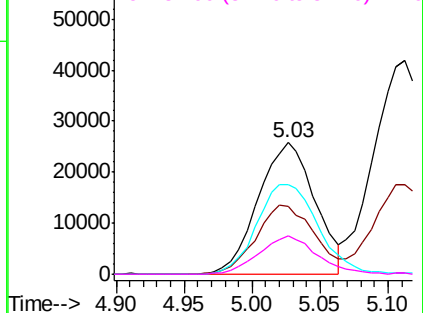
#41
Methacrylonitrile
Concen: 49.794 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	75008
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.0	66.0
67	74.5	58.5	87.7
52	29.7	23.8	35.8

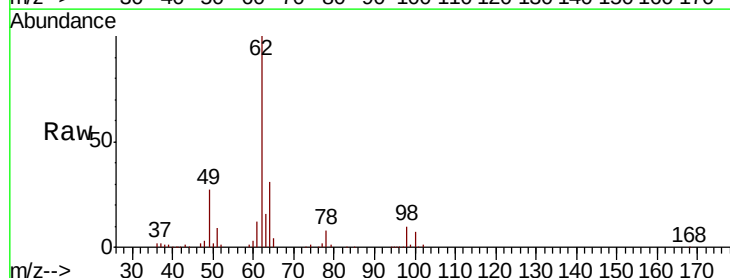


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

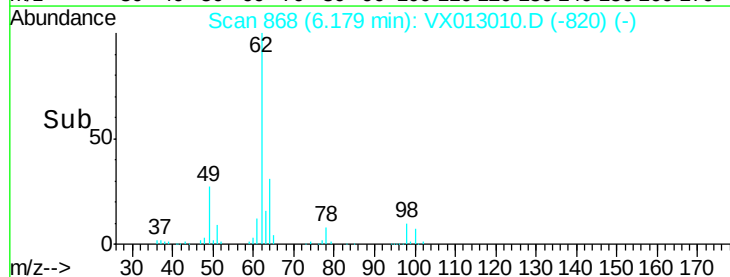
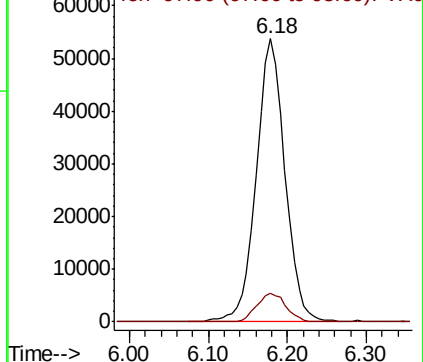


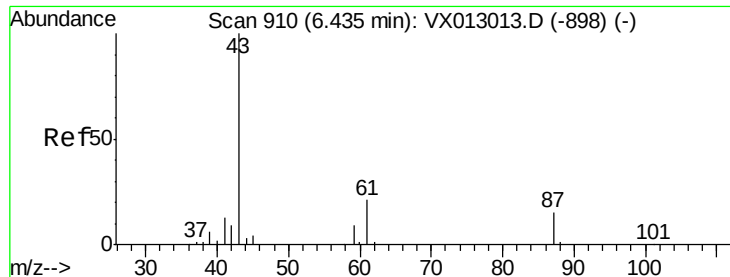
#42
1,2-Dichloroethane
Concen: 52.343 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion:	62	Resp:	136000
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 51.628 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

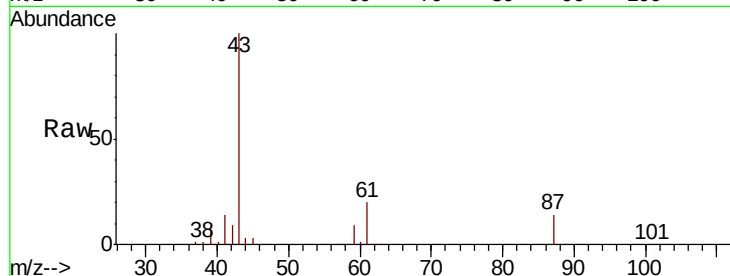
Tot Ion: 43 Resp: 227163

Ion Ratio Lower Upper

43 100

61 20.8 16.6 24.8

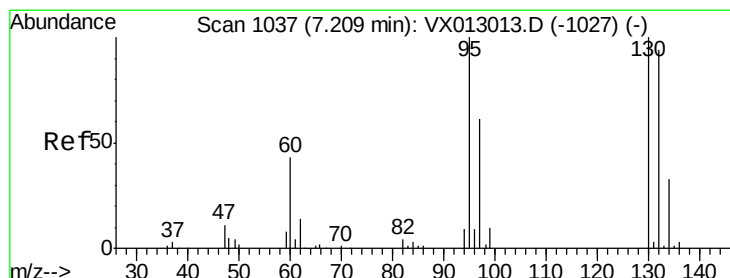
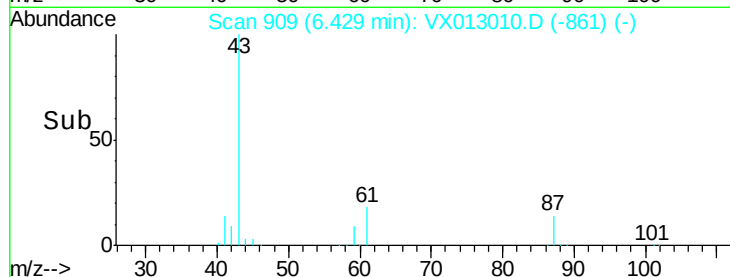
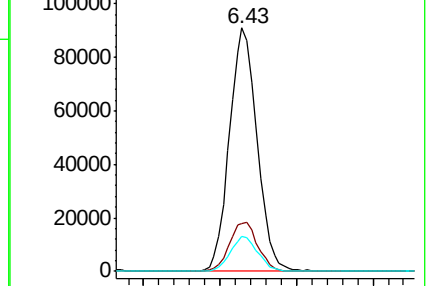
87 14.1 11.0 16.6



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: 49.044 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013010.D

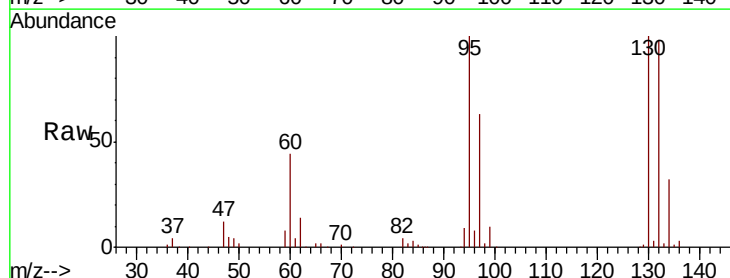
Acq: 11 Oct 2019 12:38

Tgt Ion: 130 Resp: 98476

Ion Ratio Lower Upper

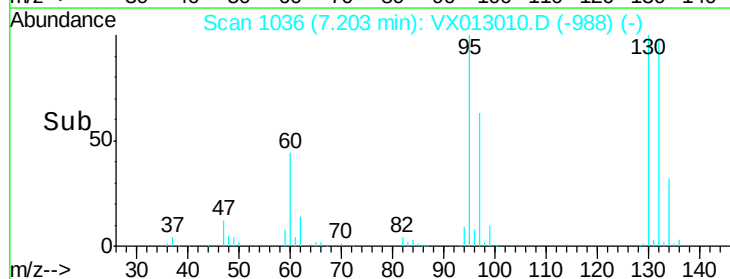
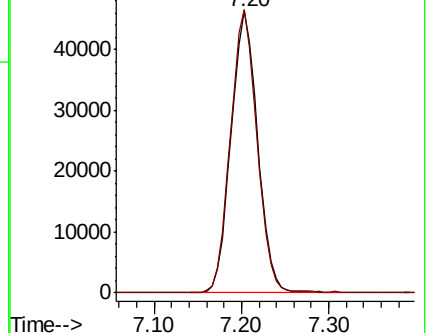
130 100

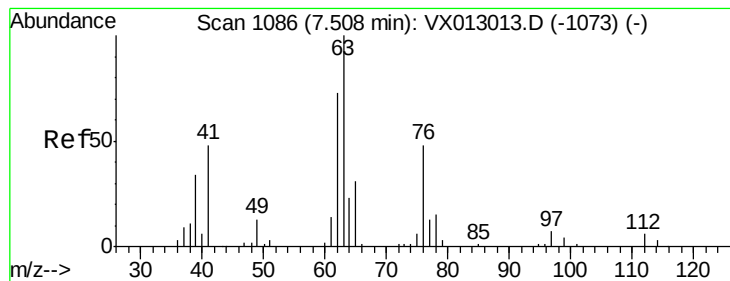
95 100.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 52.420 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

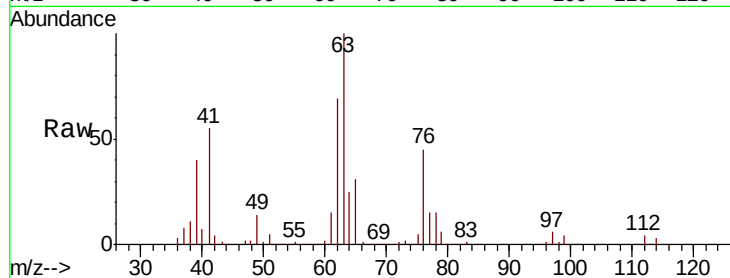
VSTDCCC050

Tot Ion: 63 Resp: 96739

Ion Ratio Lower Upper

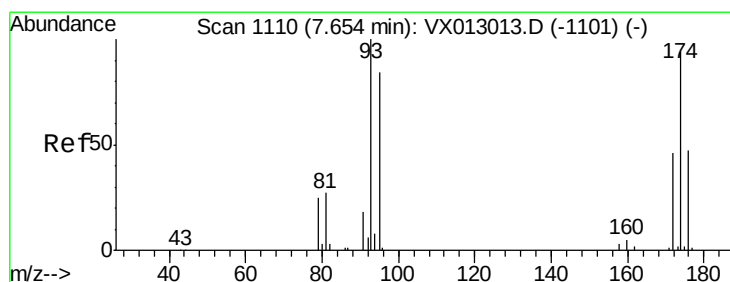
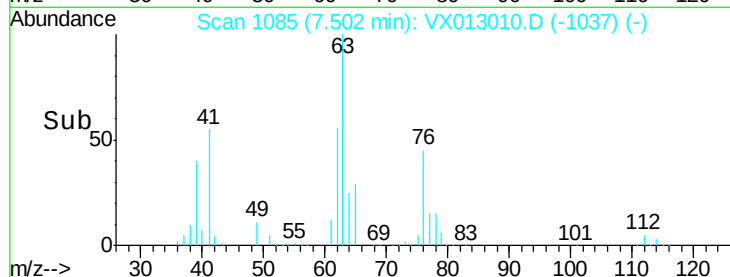
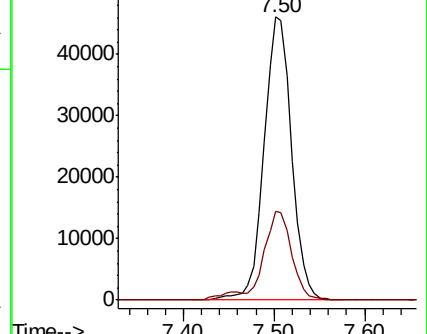
63 100

65 31.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.812 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

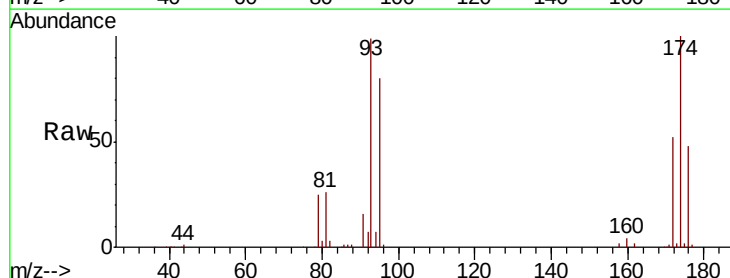
Tgt Ion: 93 Resp: 64936

Ion Ratio Lower Upper

93 100

95 84.6 66.3 99.5

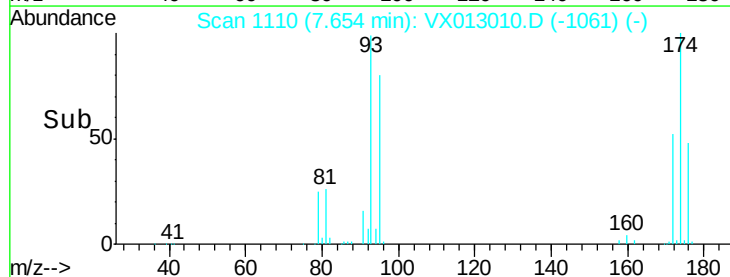
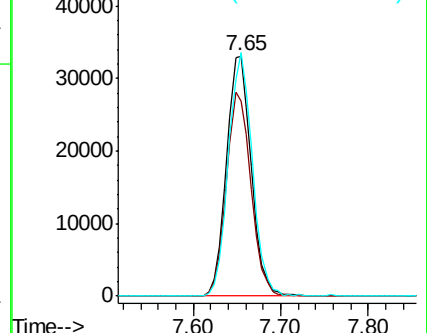
174 98.5 77.8 116.6

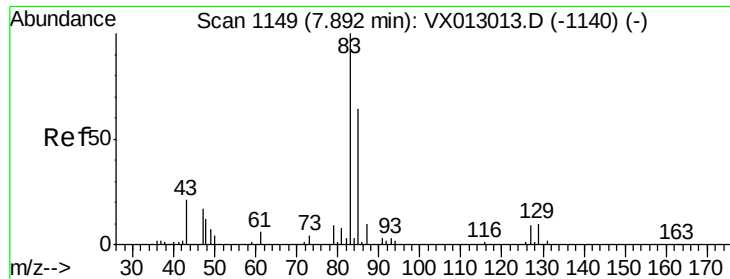


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.930 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

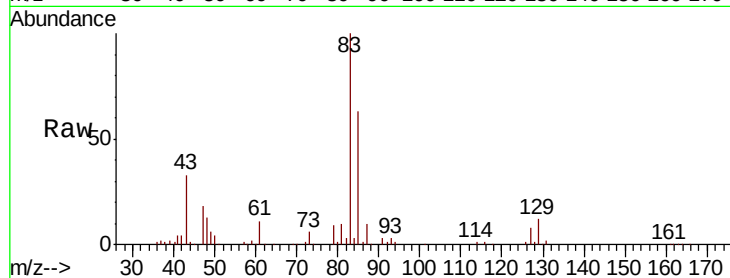
Tot Ion: 83 Resp: 129406

Ion Ratio Lower Upper

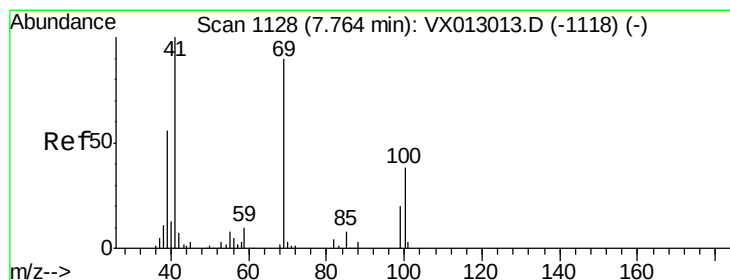
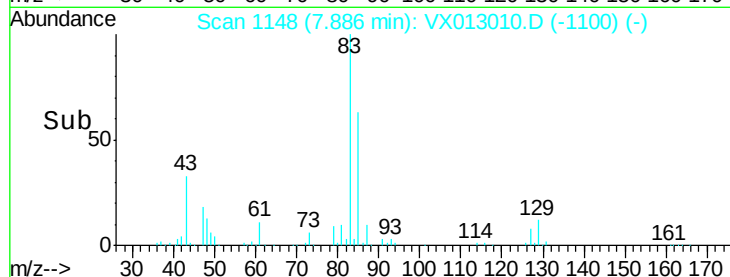
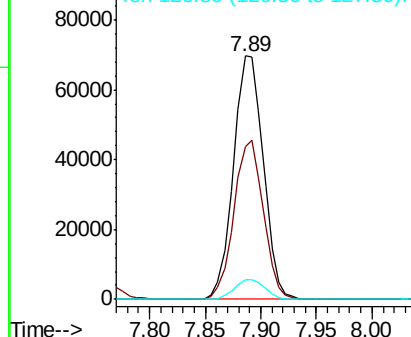
83 100

85 62.9 52.4 78.6

127 8.0 6.6 10.0



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: 51.753 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

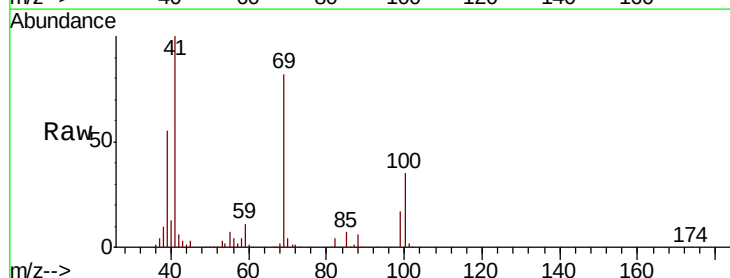
Tgt Ion: 41 Resp: 110967

Ion Ratio Lower Upper

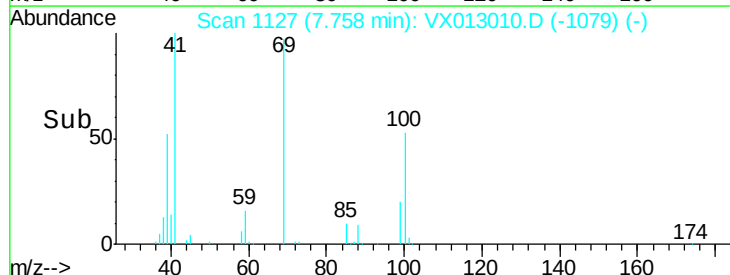
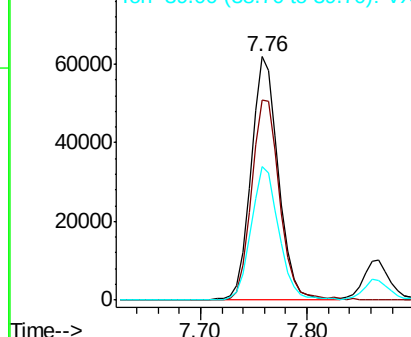
41 100

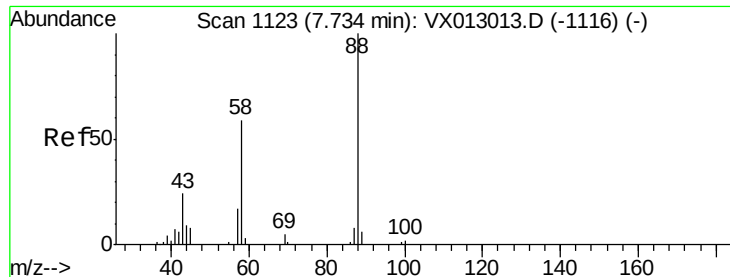
69 85.6 68.7 103.1

39 55.7 44.3 66.5



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: 828.964 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

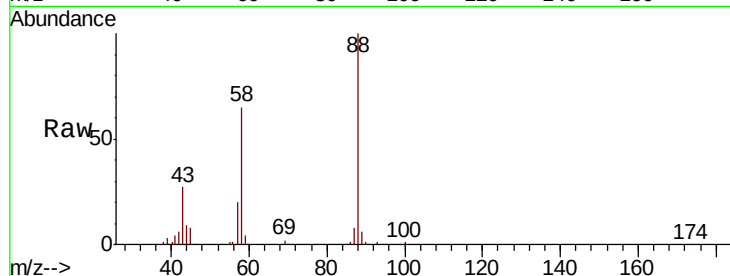
Tot Ion: 88 Resp: 47341

Ion Ratio Lower Upper

88 100

43 31.4 25.0 37.6

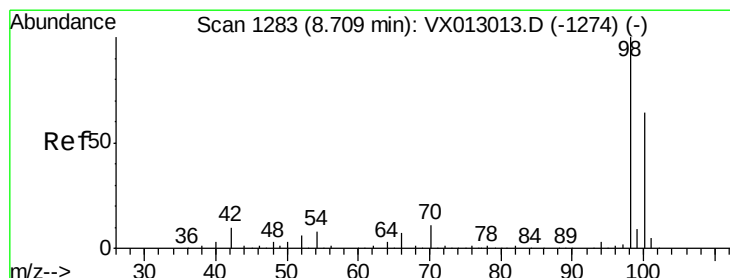
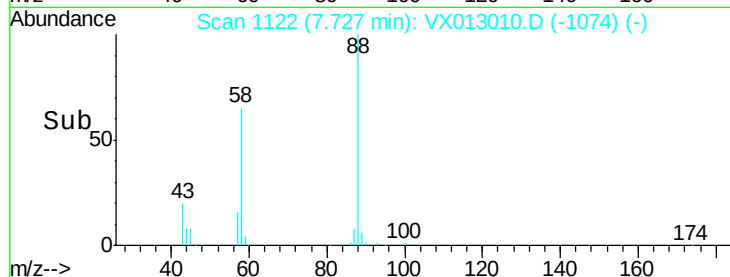
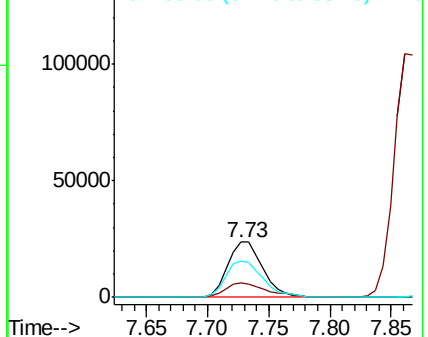
58 68.9 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.258 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013010.D

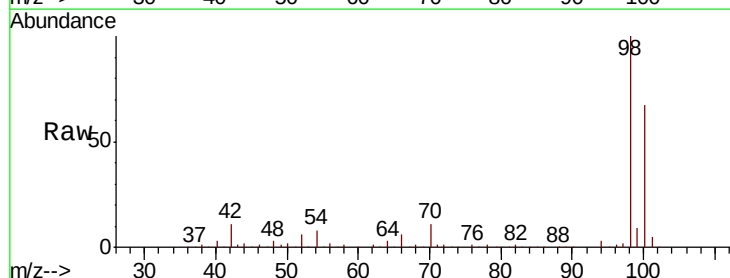
Acq: 11 Oct 2019 12:38

Tgt Ion: 98 Resp: 301228

Ion Ratio Lower Upper

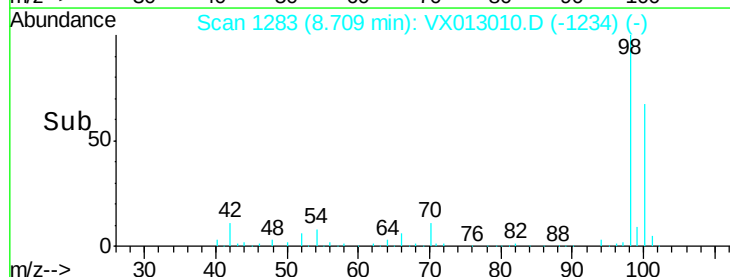
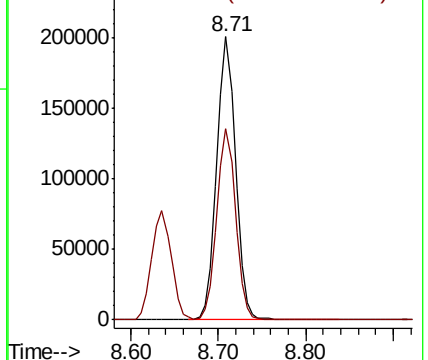
98 100

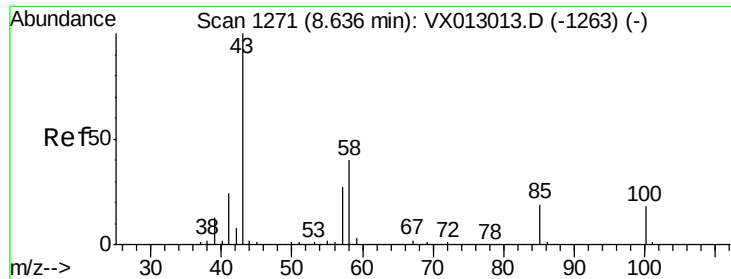
100 67.2 53.4 80.2



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: 251.744 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

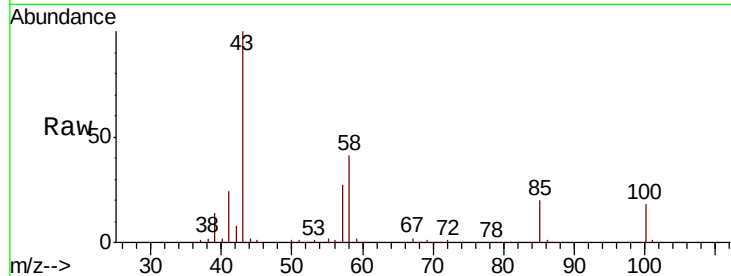
VSTDCCC050

Tot Ion: 43 Resp: 690614

Ion Ratio Lower Upper

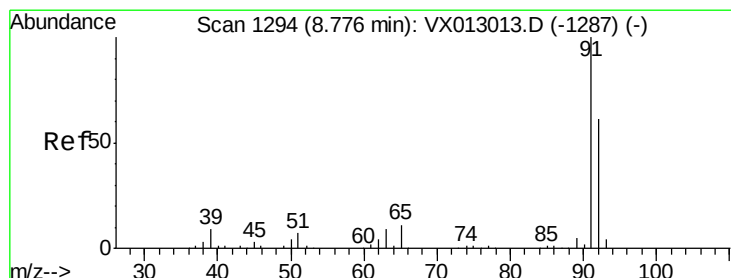
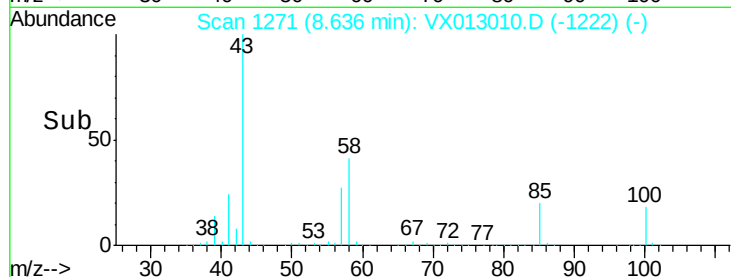
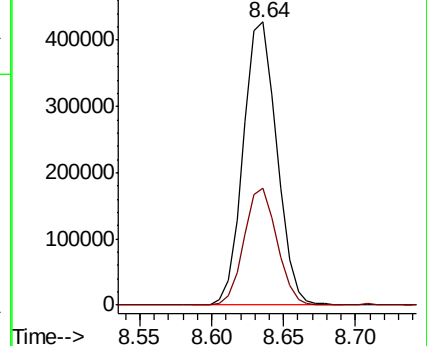
43 100

58 40.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.187 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013010.D

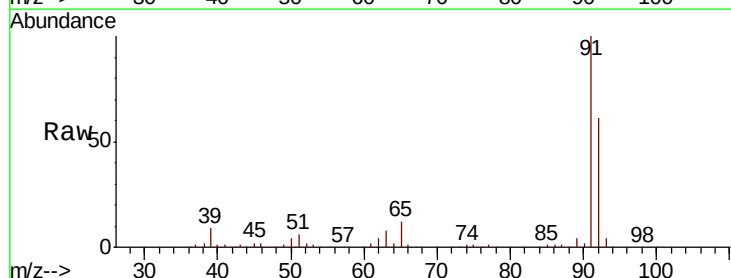
Acq: 11 Oct 2019 12:38

Tgt Ion: 92 Resp: 241751

Ion Ratio Lower Upper

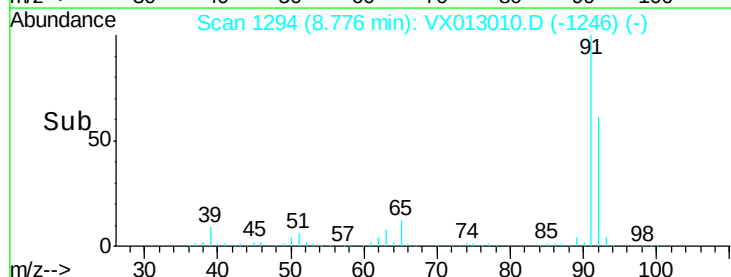
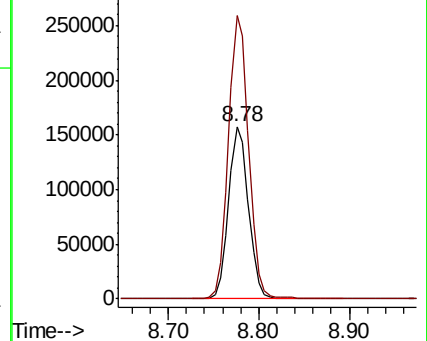
92 100

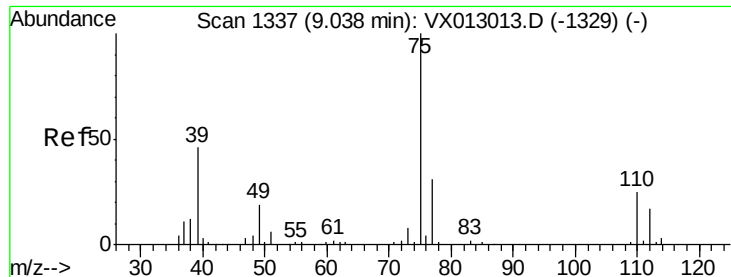
91 166.2 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

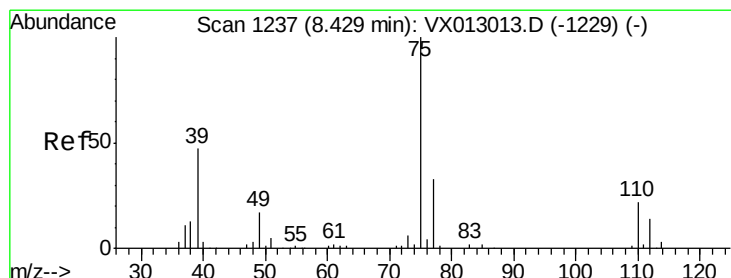
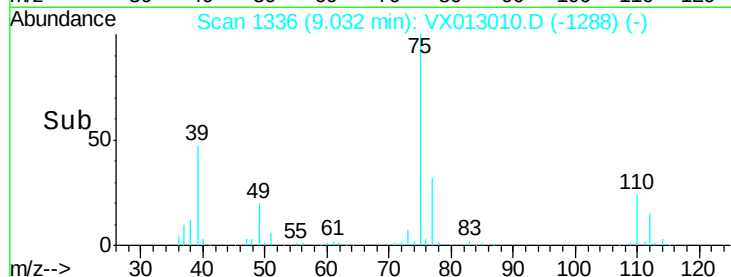
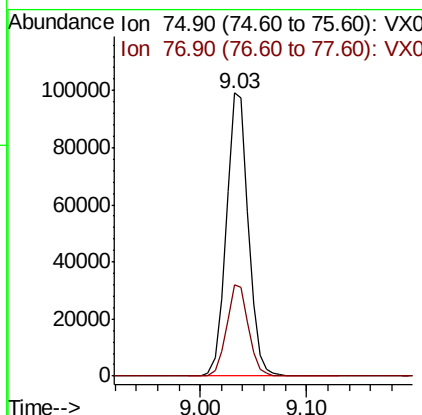
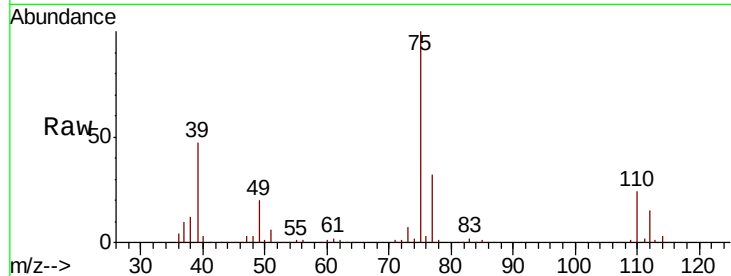




#53
 t-1,3-Dichloropropene
 Concen: 48.003 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

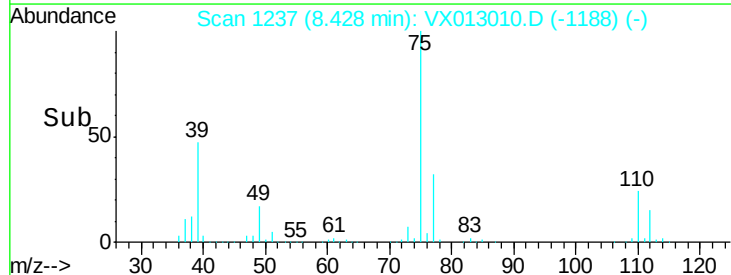
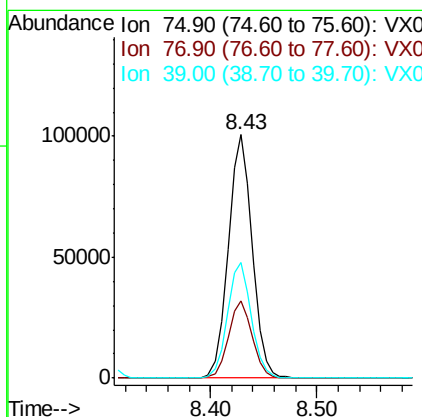
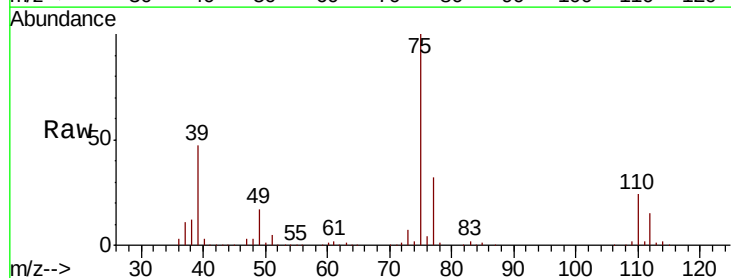
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

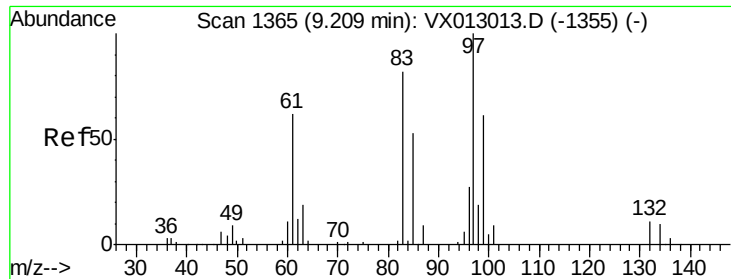
Tot Ion: 75 Resp: 143474
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 53.617 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion: 75 Resp: 158234
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 47.4 38.2 57.2

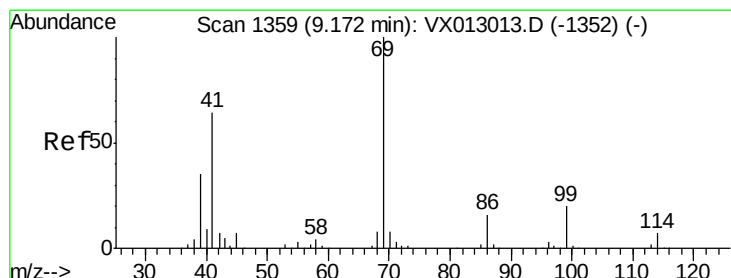
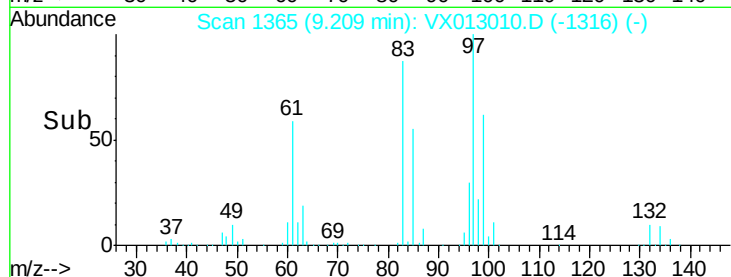
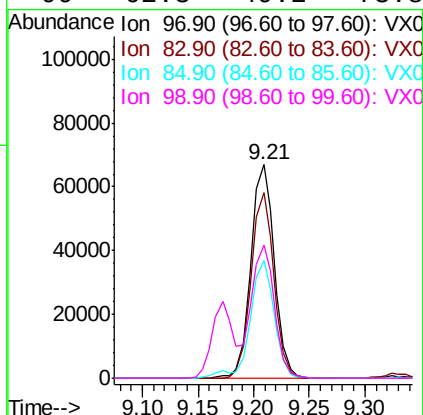
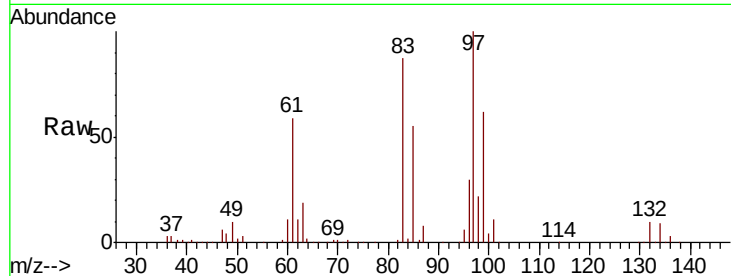




#55
 1,1,2-Trichloroethane
 Concen: 53.462 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

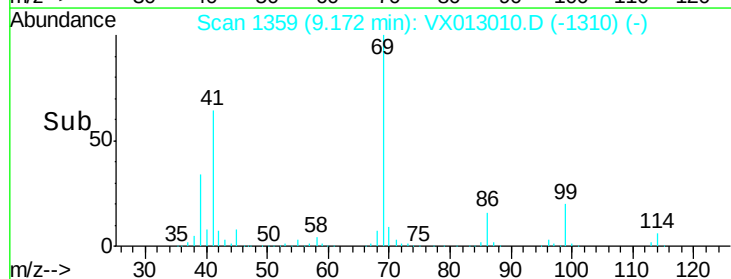
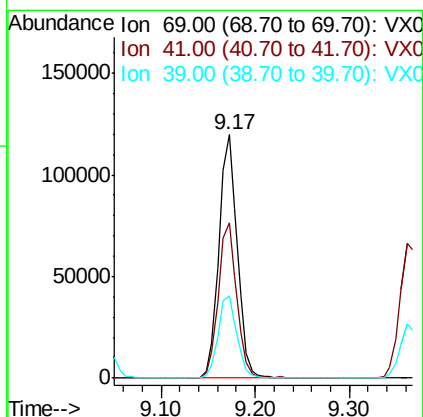
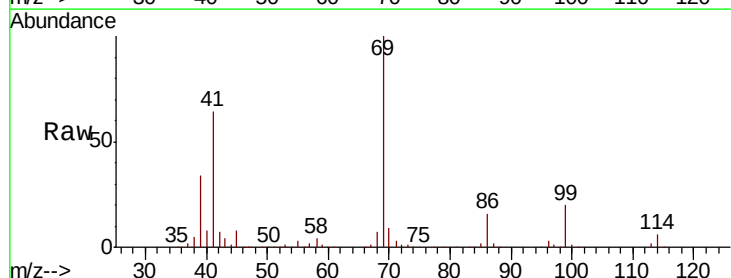
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

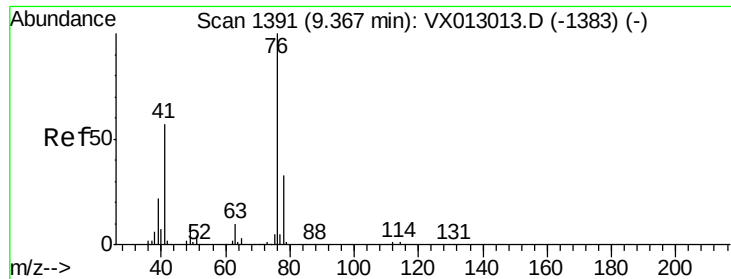
Tot Ion:	97	Resp:	98010
Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.5	99.7
85	55.4	43.1	64.7
99	62.3	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 49.289 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion:	69	Resp:	161717
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.1	78.1
39	34.7	27.8	41.8





#57

1,3-Dichloropropane

Concen: 52.548 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

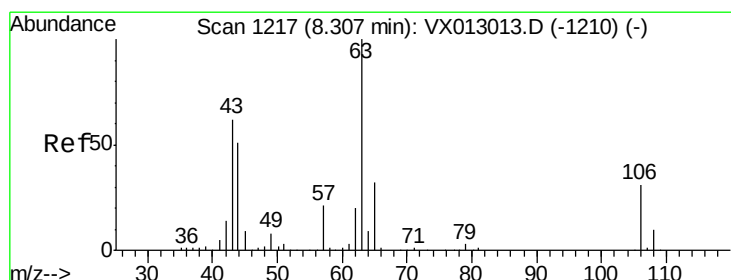
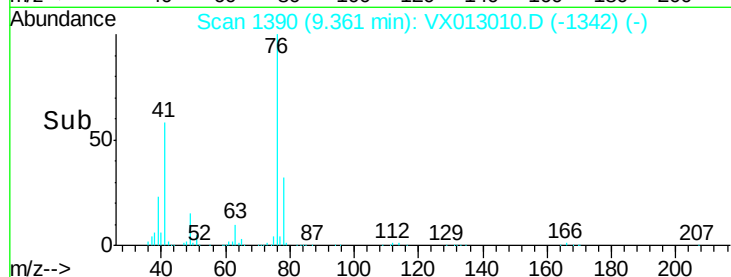
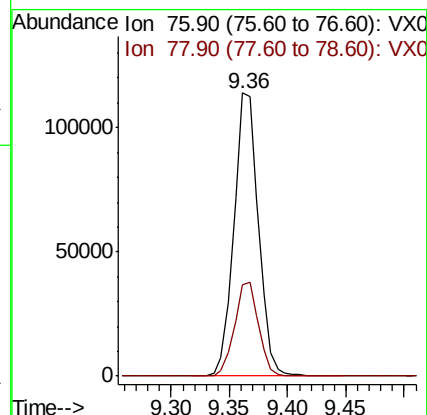
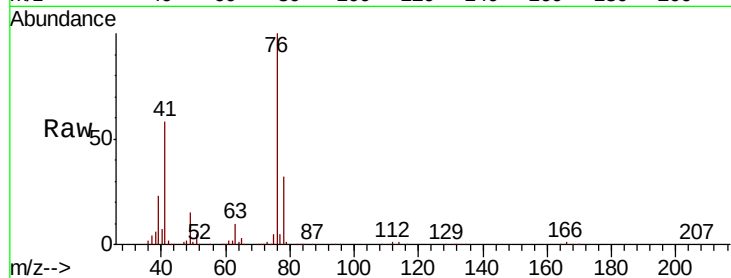
VSTDCCC050

Tot Ion: 76 Resp: 166641

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 272.520 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013010.D

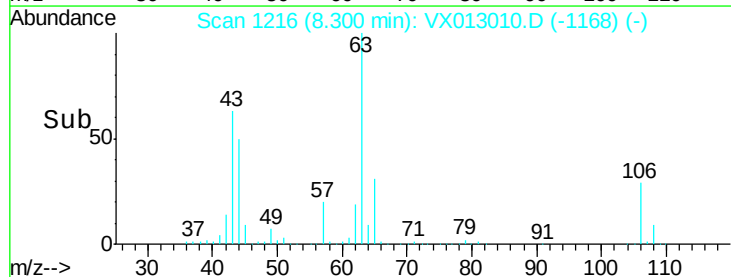
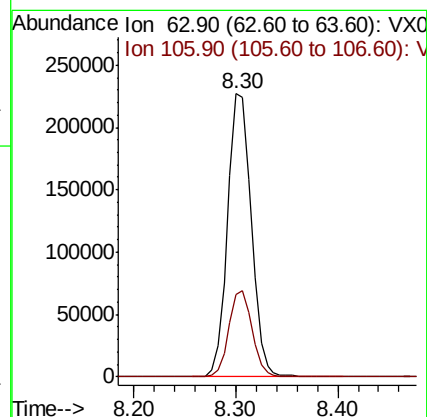
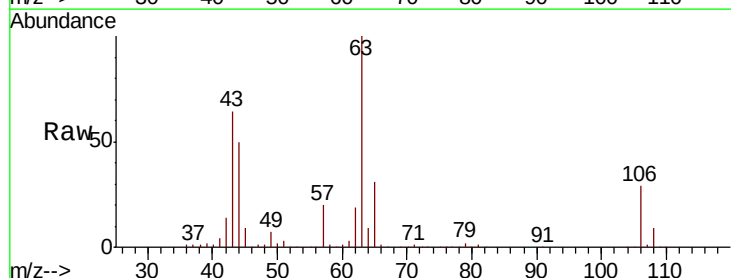
Acq: 11 Oct 2019 12:38

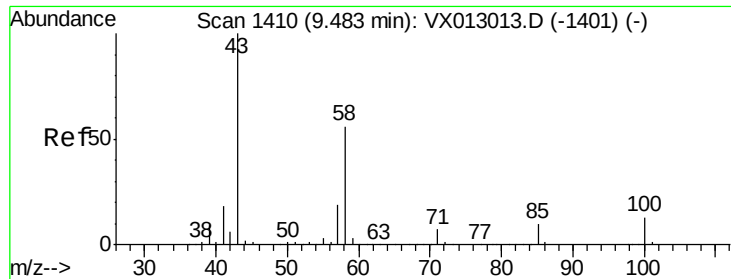
Tgt Ion: 63 Resp: 367015

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8

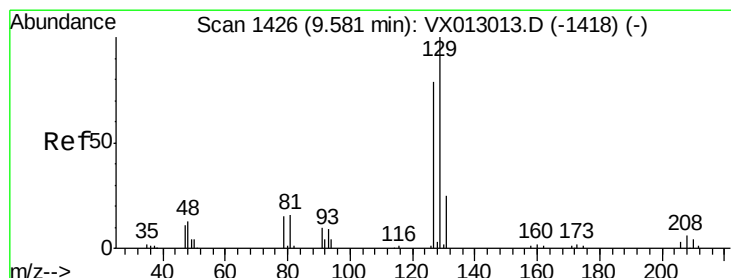
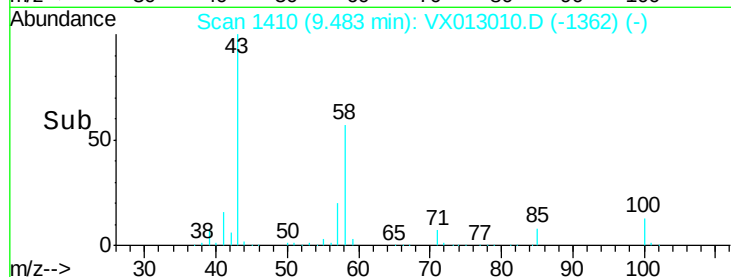
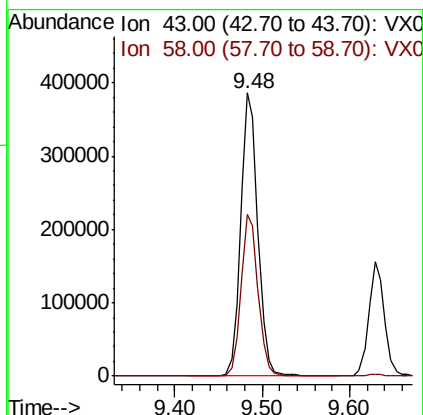
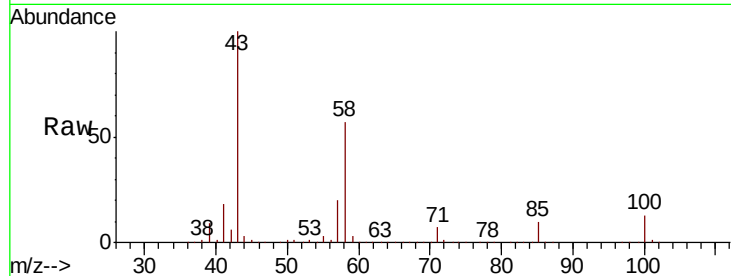




#59
2-Hexanone
Concen: 247.250 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

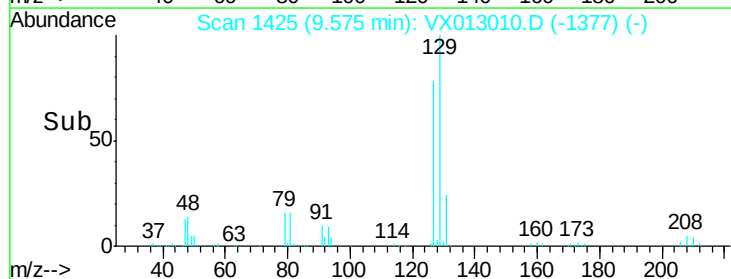
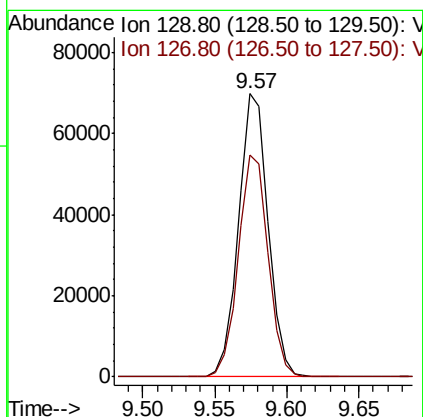
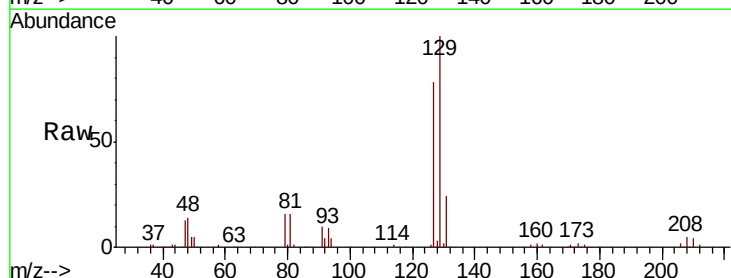
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

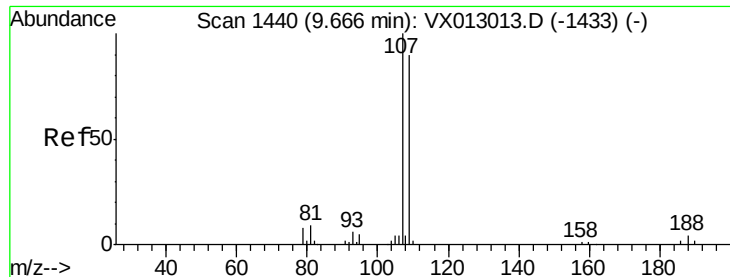
Tot Ion: 43 Resp: 528002
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 48.596 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 129 Resp: 99030
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.313 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

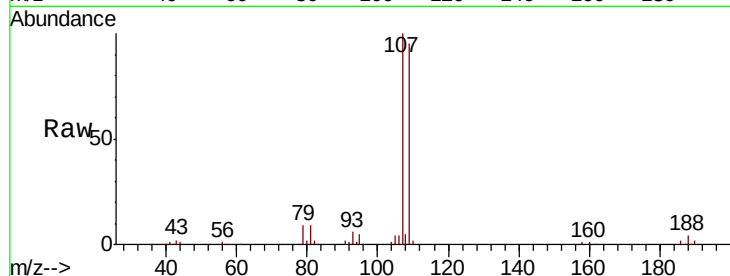
VSTDCCC050

Tot Ion:107 Resp: 102814

Ion Ratio Lower Upper

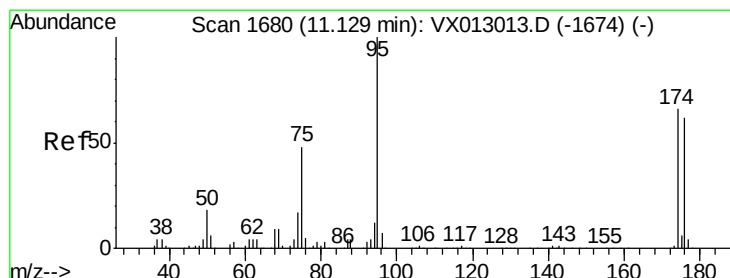
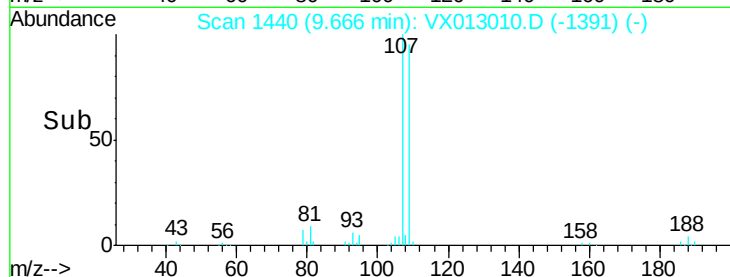
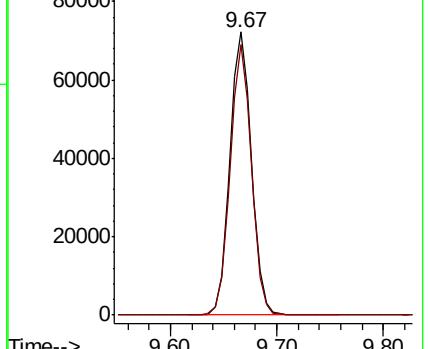
107 100

109 94.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.393 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

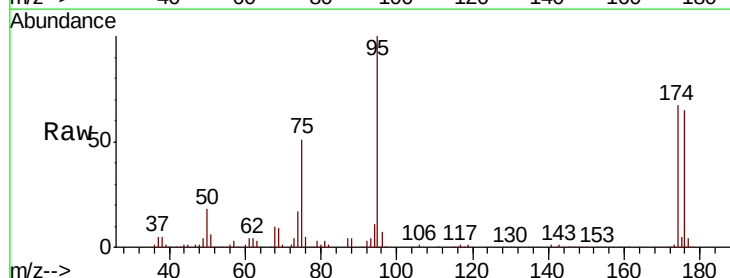
Tgt Ion: 95 Resp: 122222

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

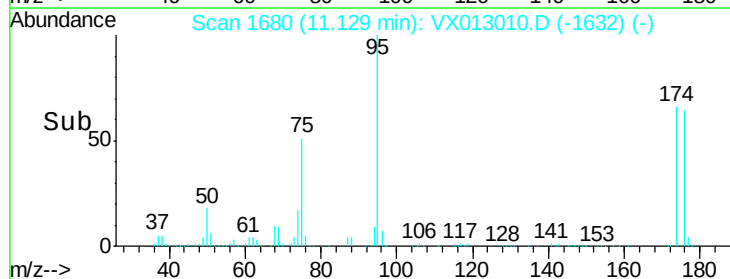
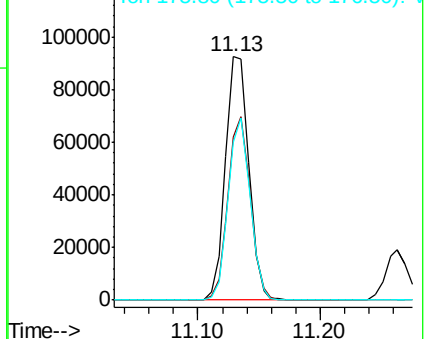
176 70.0 0.0 136.0

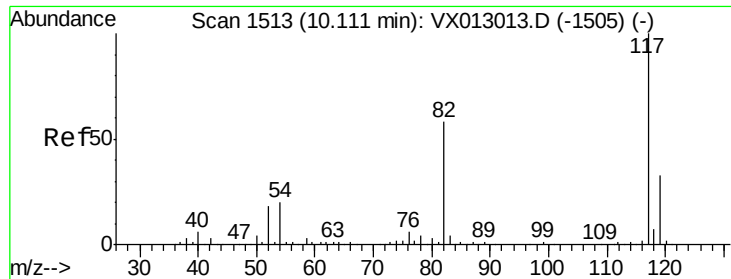


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

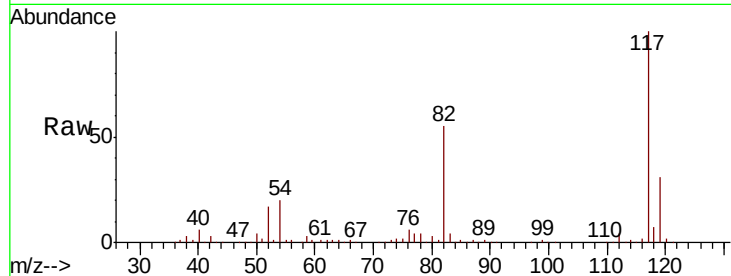




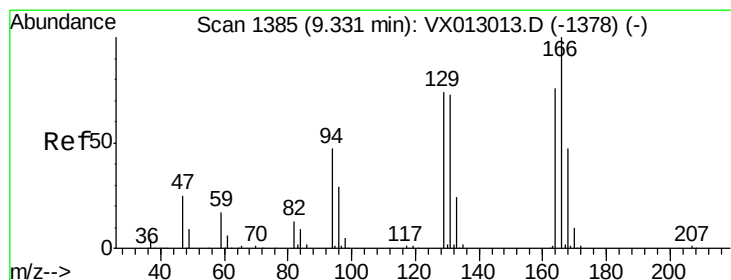
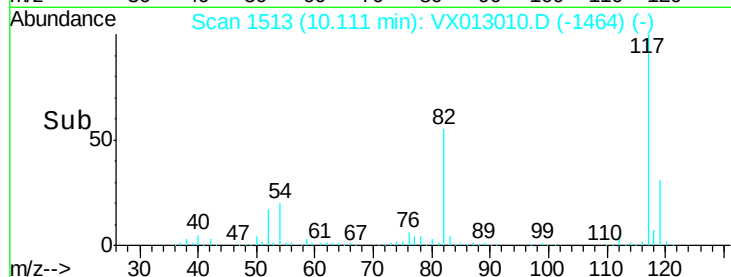
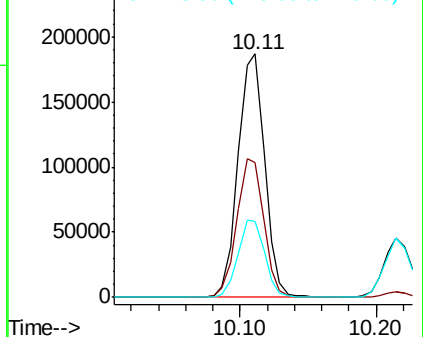
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 255942
Ion Ratio Lower Upper
117 100
82 55.5 44.1 66.1
119 31.3 25.8 38.8

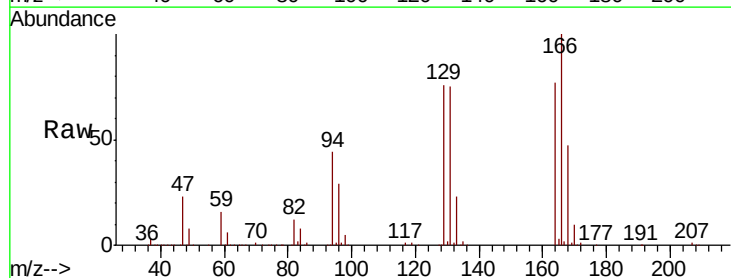


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

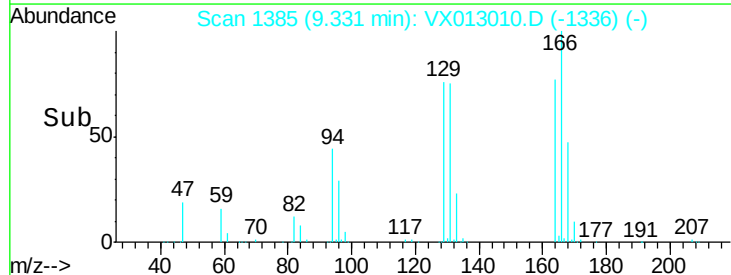
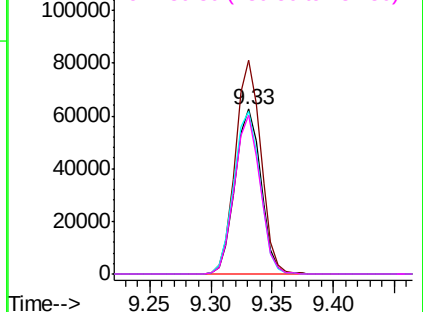


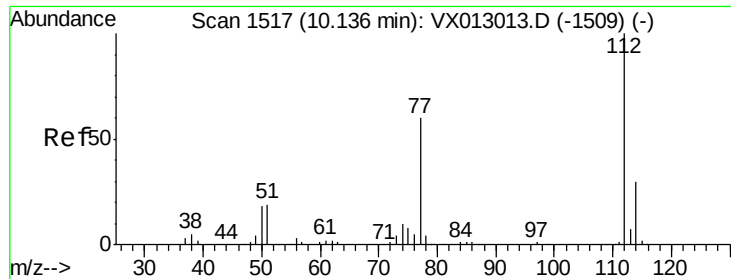
#64
Tetrachloroethene
Concen: 51.607 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion:164 Resp: 91614
Ion Ratio Lower Upper
164 100
166 129.5 96.9 145.3
129 98.3 77.9 116.9
131 96.6 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.389 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

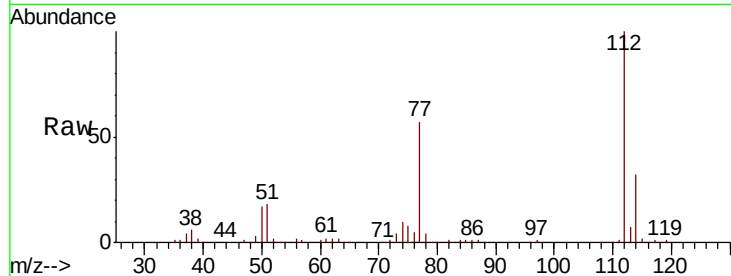
VSTDCCC050

Tot Ion:112 Resp: 256109

Ion Ratio Lower Upper

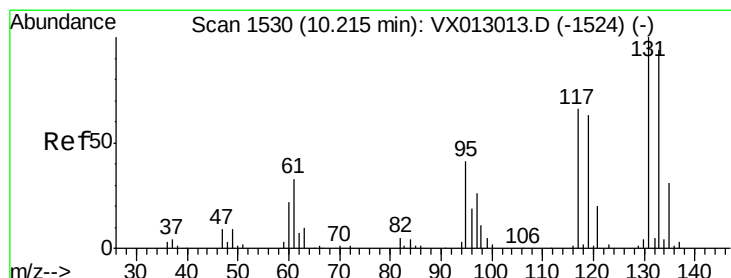
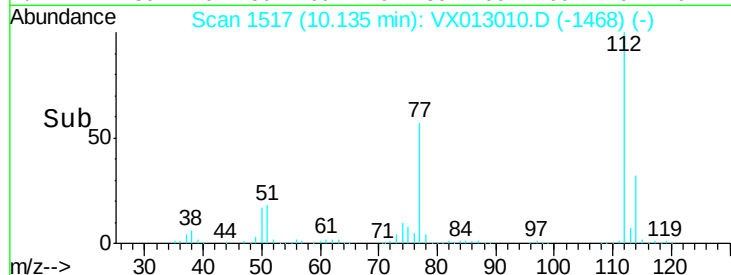
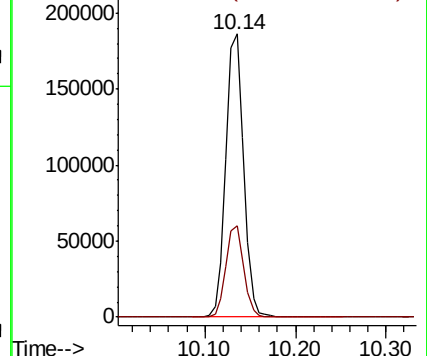
112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.503 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

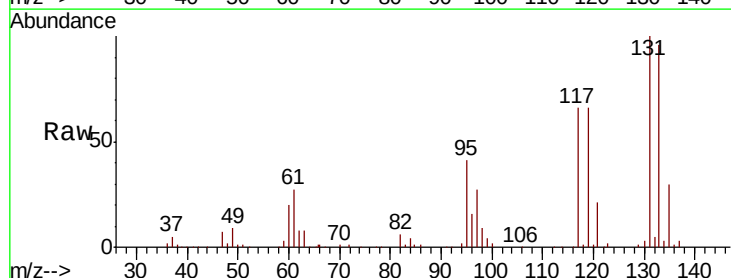
Tgt Ion:131 Resp: 92524

Ion Ratio Lower Upper

131 100

133 96.1 47.2 141.6

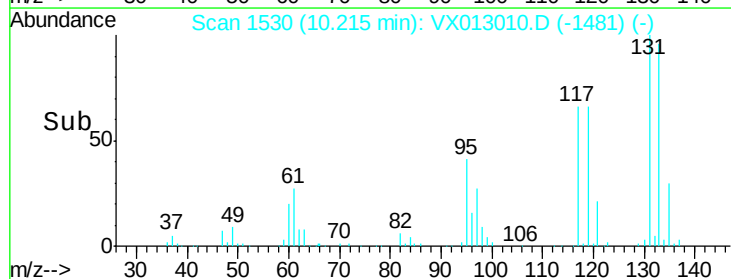
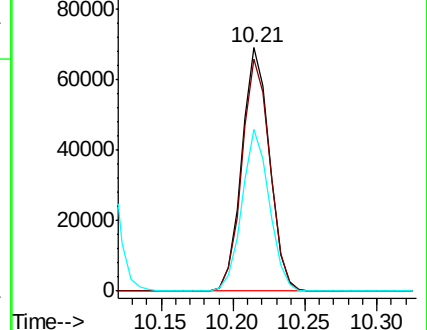
119 65.6 32.6 98.0

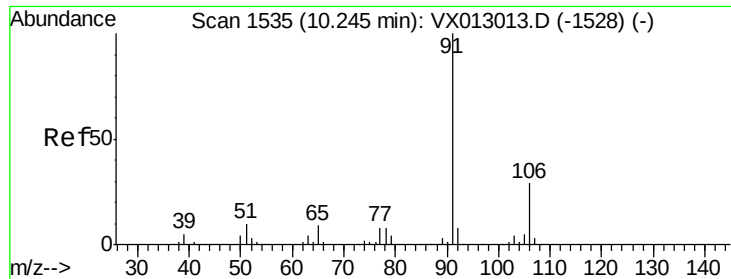


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

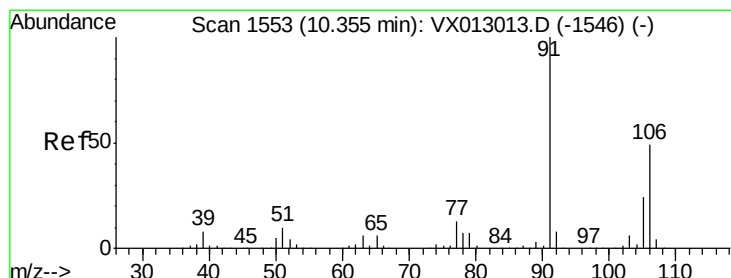
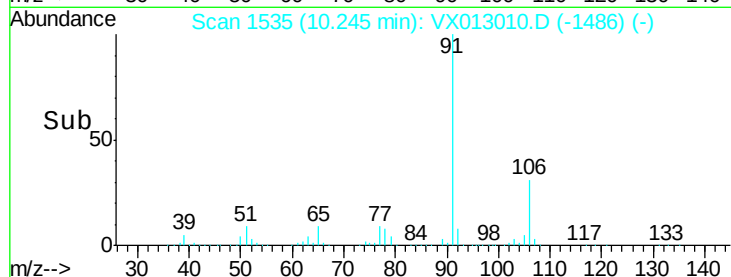
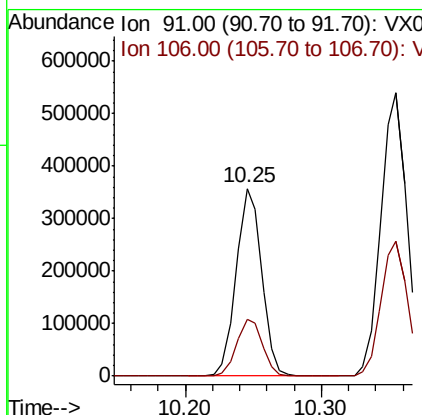
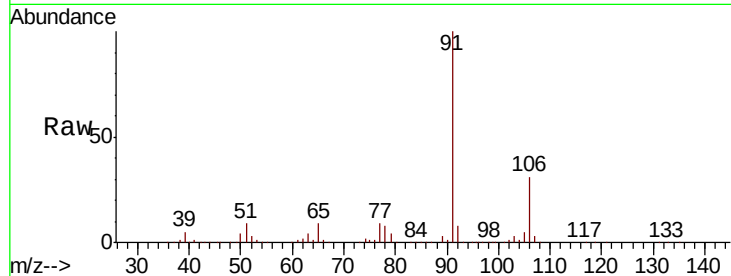




#67
Ethyl Benzene
Concen: 51.581 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

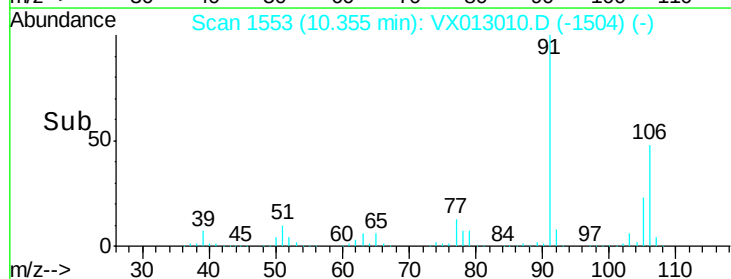
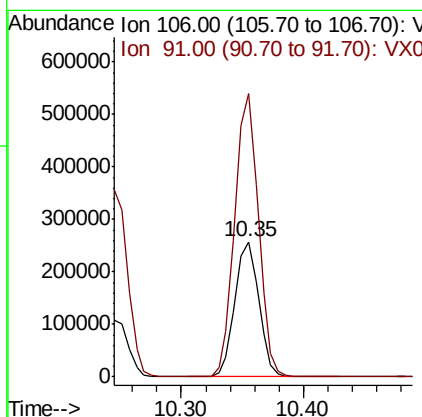
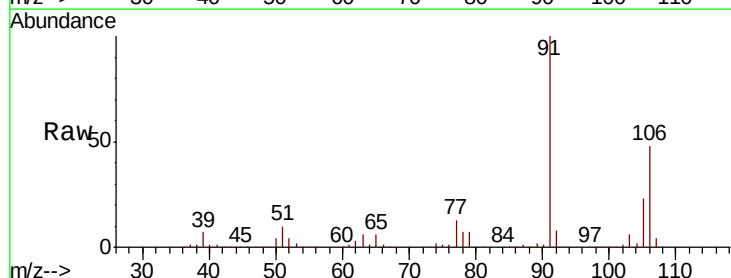
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

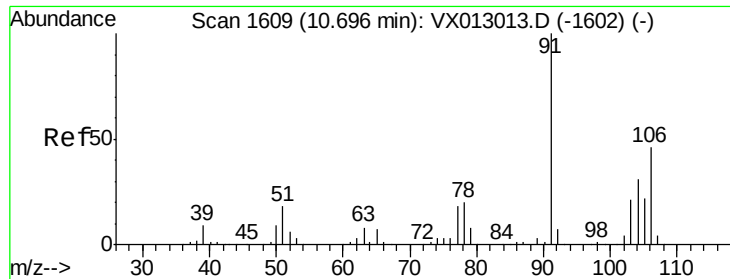
Tot Ion: 91 Resp: 465678
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9



#68
m/p-Xylenes
Concen: 103.390 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 106 Resp: 348709
Ion Ratio Lower Upper
106 100
91 207.1 165.3 247.9

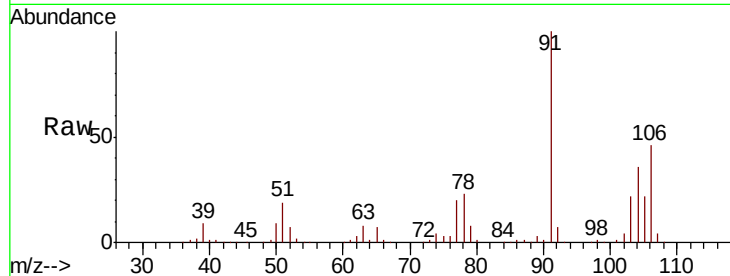




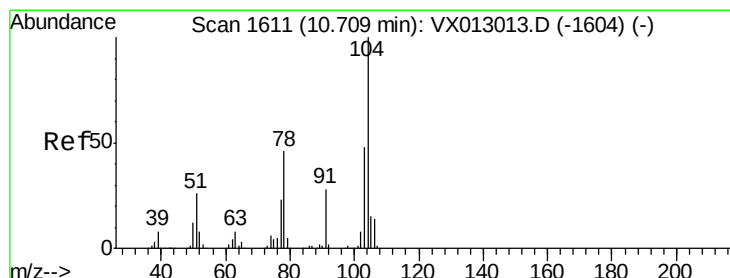
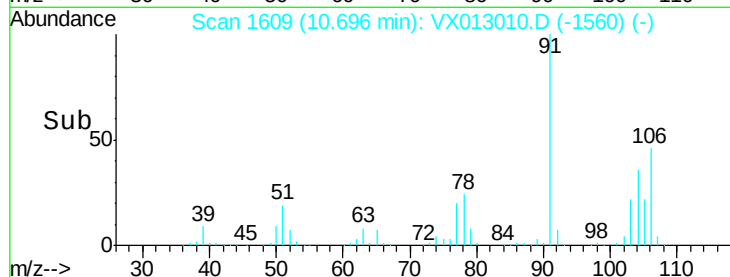
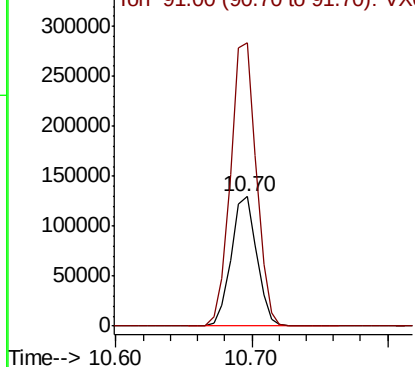
#69
o-Xylene
Concen: 51.719 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 170107
Ion Ratio Lower Upper
106 100
91 220.1 109.1 327.3

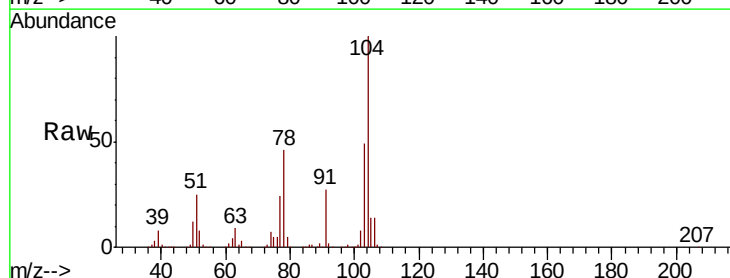


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

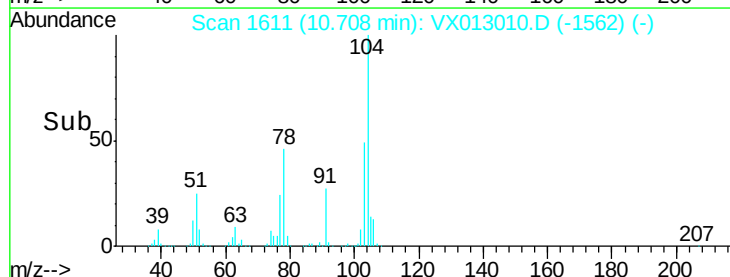
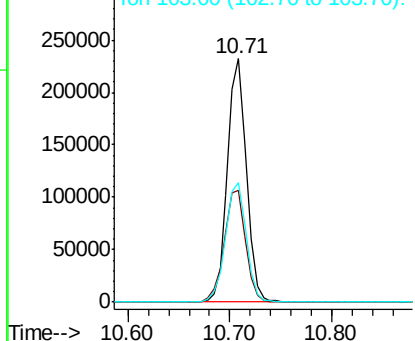


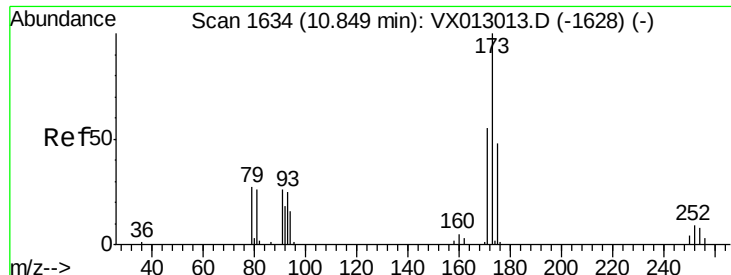
#70
Styrene
Concen: 53.317 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion:104 Resp: 298117
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 53.9 43.0 64.4



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

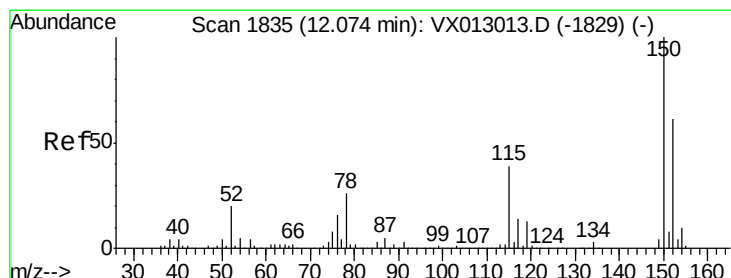
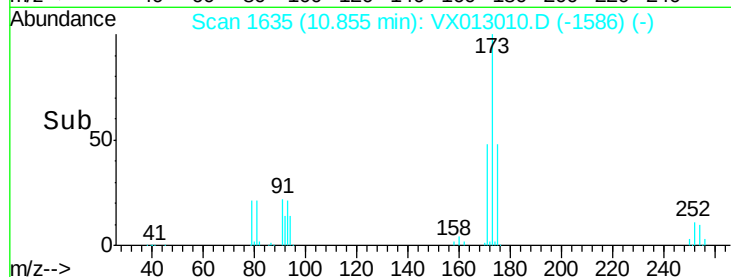
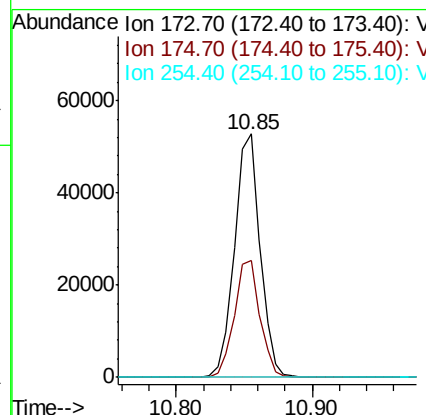
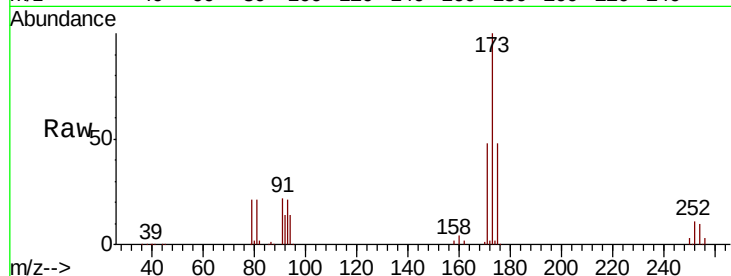




#71
Bromoform
Concen: 46.150 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

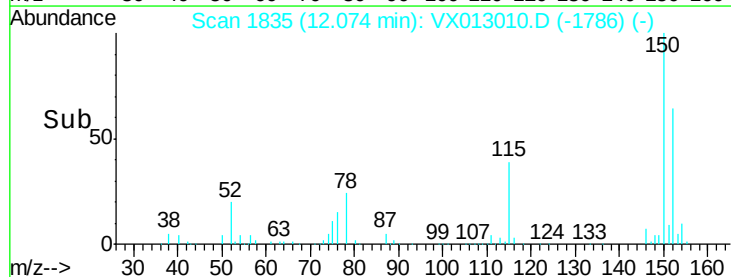
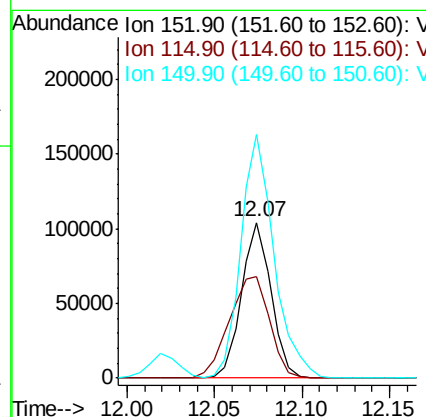
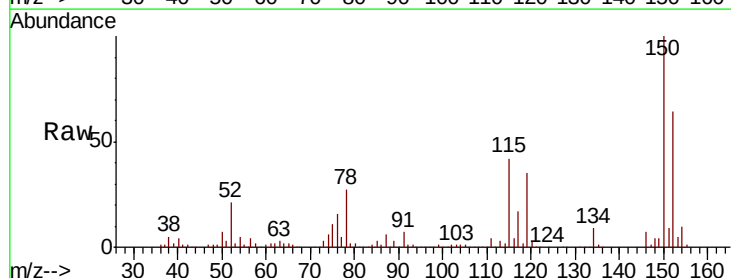
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

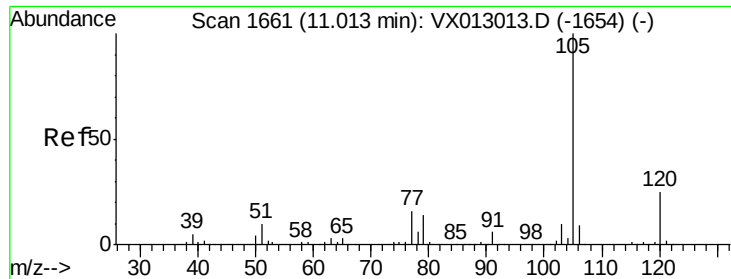
Tot Ion:173 Resp: 68897
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.3
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion:152 Resp: 122107
Ion Ratio Lower Upper
152 100
115 88.6 44.5 133.5
150 176.1 0.0 353.4





#73

Isopropylbenzene

Concen: 51.109 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

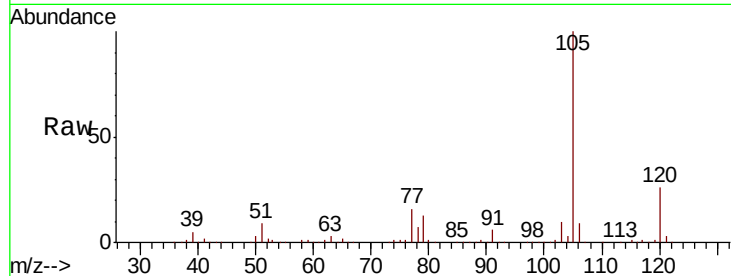
VSTDCCC050

Tot Ion:105 Resp: 458837

Ion Ratio Lower Upper

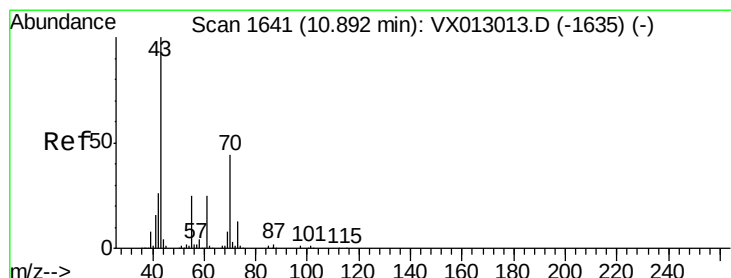
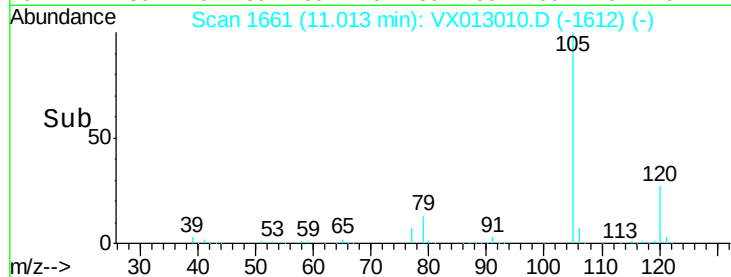
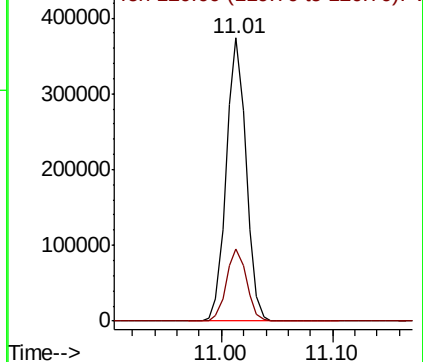
105 100

120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.260 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion: 43 Resp: 198192

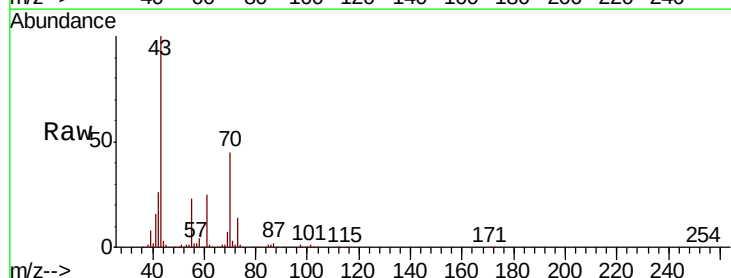
Ion Ratio Lower Upper

43 100

70 44.9 36.4 54.6

55 24.5 20.2 30.2

61 25.0 20.5 30.7

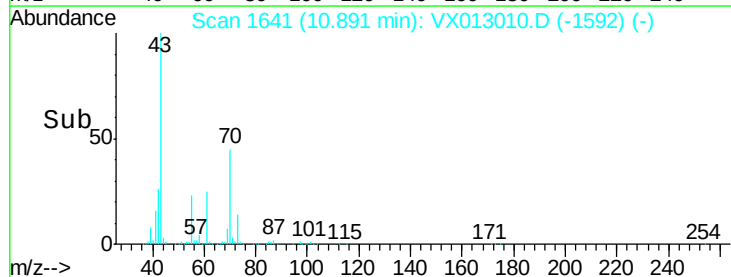
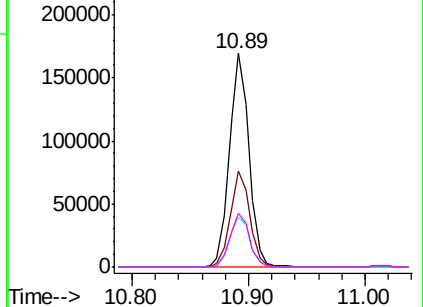


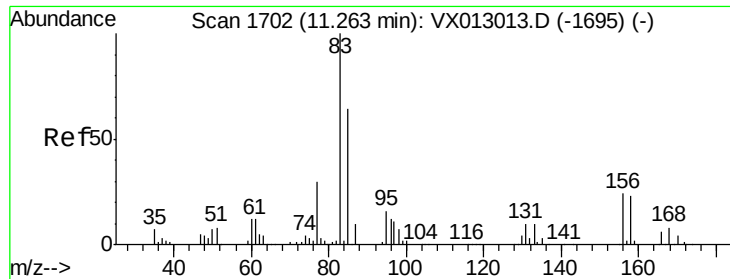
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.487 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

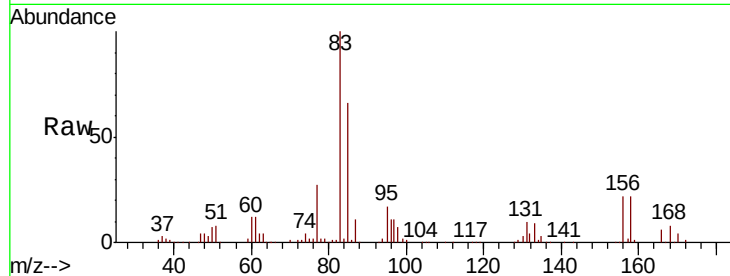
Tot Ion: 83 Resp: 147765

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

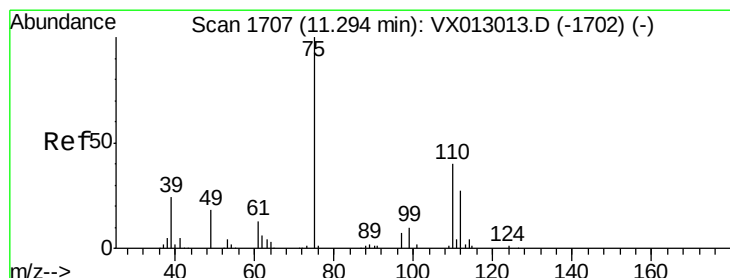
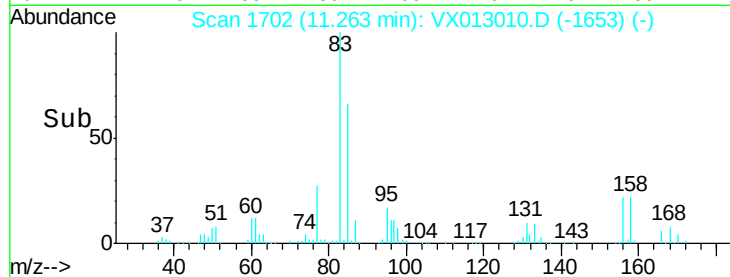
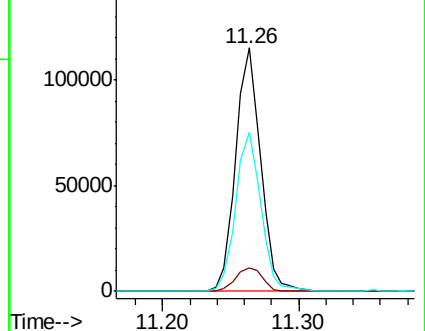
85 66.2 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.827 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX013010.D

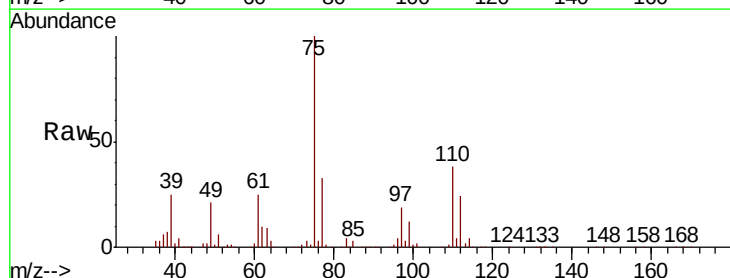
Acq: 11 Oct 2019 12:38

Tgt Ion: 75 Resp: 175573

Ion Ratio Lower Upper

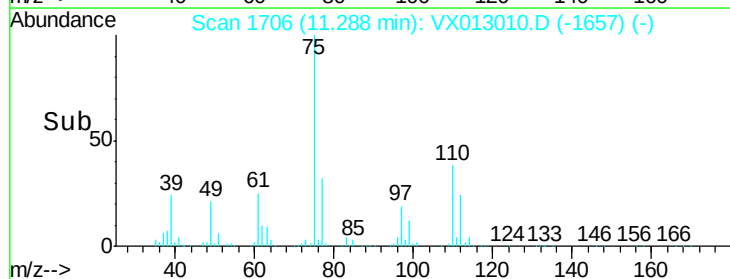
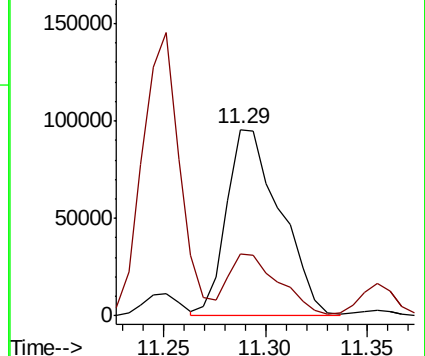
75 100

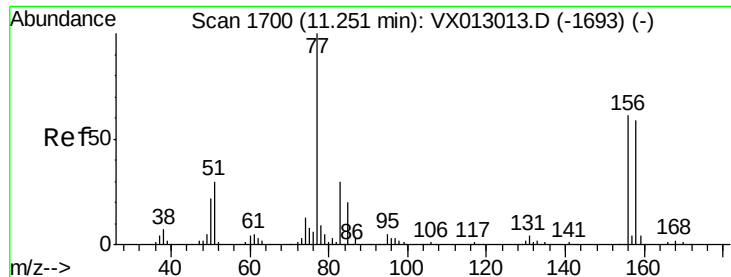
77 30.7 22.9 68.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.536 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

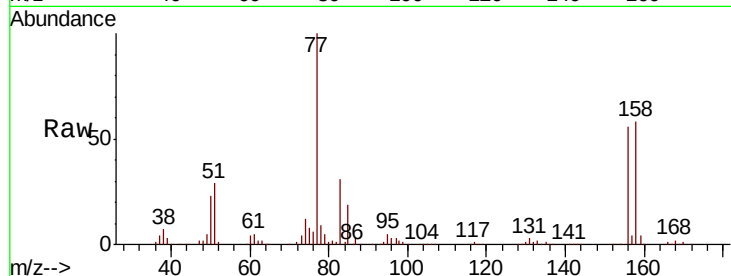
Tot Ion:156 Resp: 104795

Ion Ratio Lower Upper

156 100

77 176.8 83.7 251.0

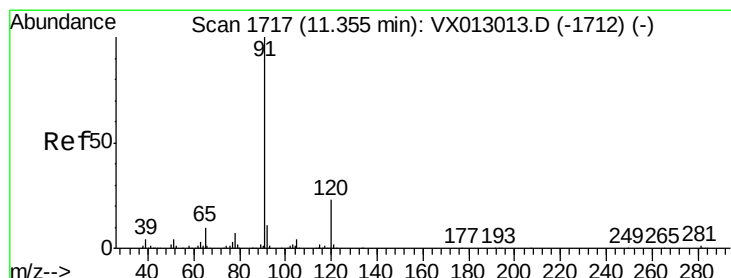
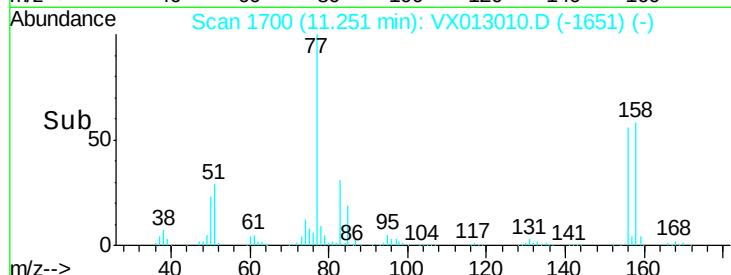
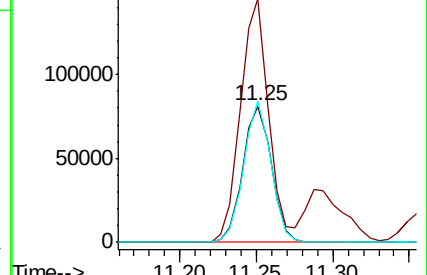
158 99.0 48.6 145.9



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: 52.118 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013010.D

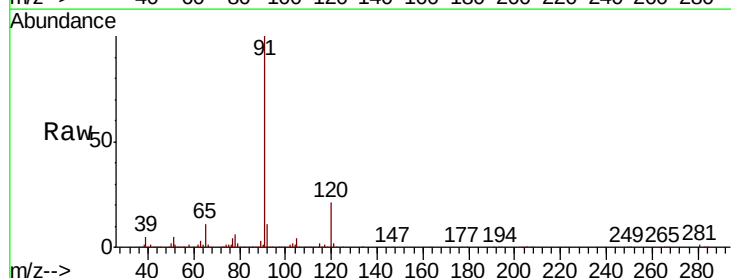
Acq: 11 Oct 2019 12:38

Tgt Ion: 91 Resp: 514852

Ion Ratio Lower Upper

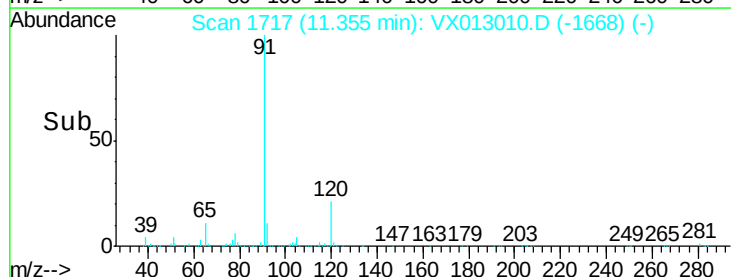
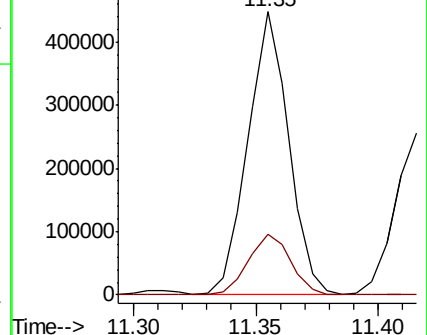
91 100

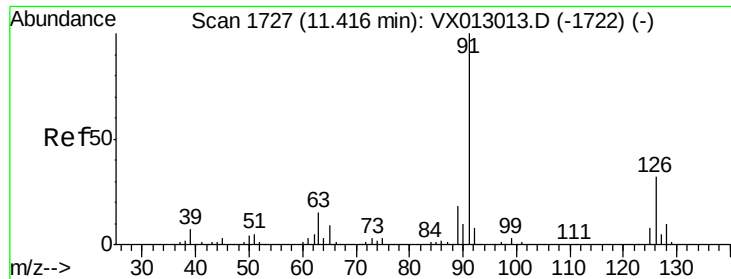
120 22.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.707 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

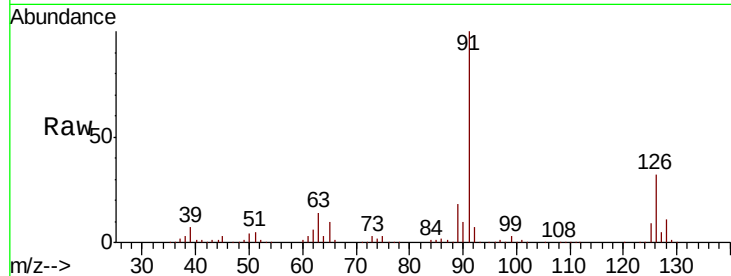
VSTDCCC050

Tot Ion: 91 Resp: 314811

Ion Ratio Lower Upper

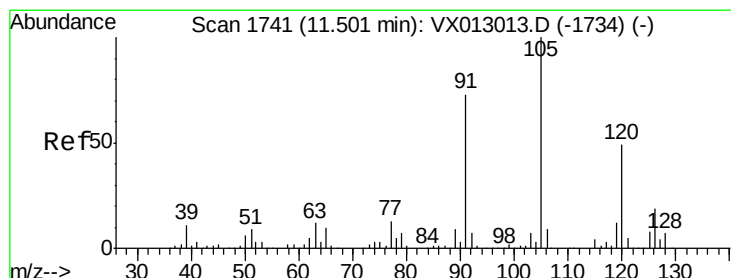
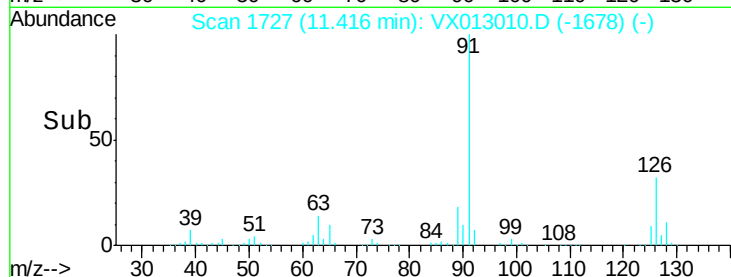
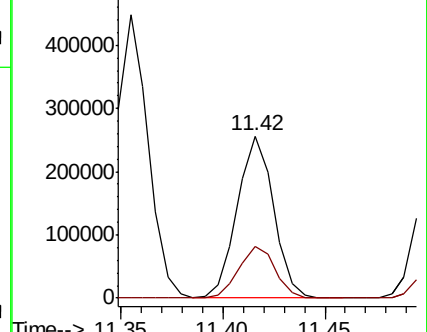
91 100

126 32.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.168 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013010.D

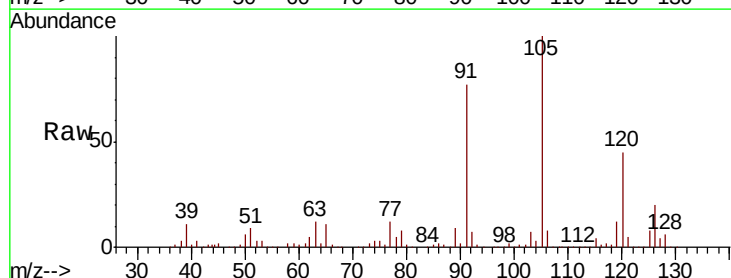
Acq: 11 Oct 2019 12:38

Tgt Ion:105 Resp: 383571

Ion Ratio Lower Upper

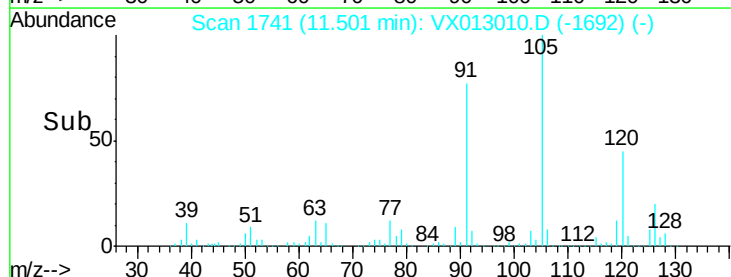
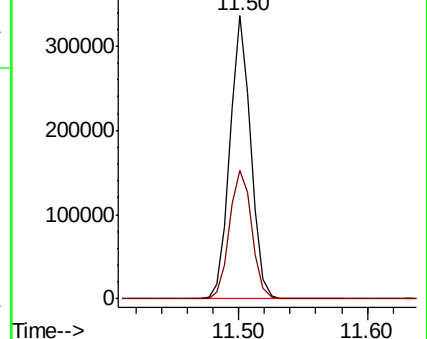
105 100

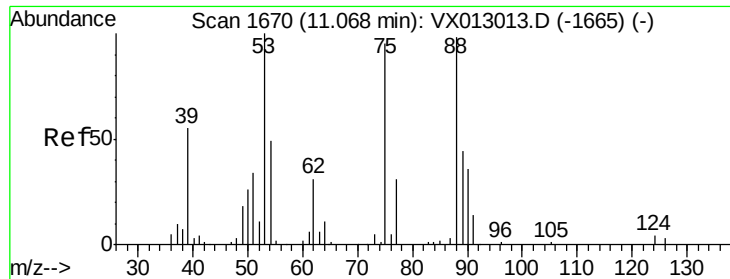
120 48.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.628 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

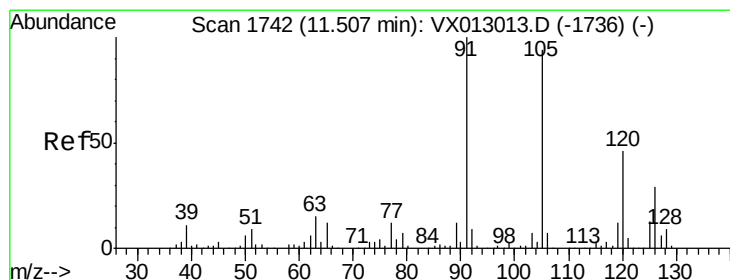
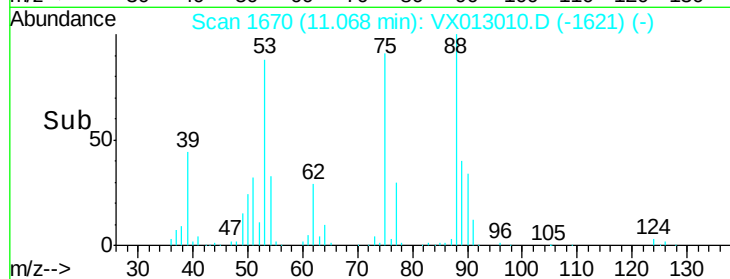
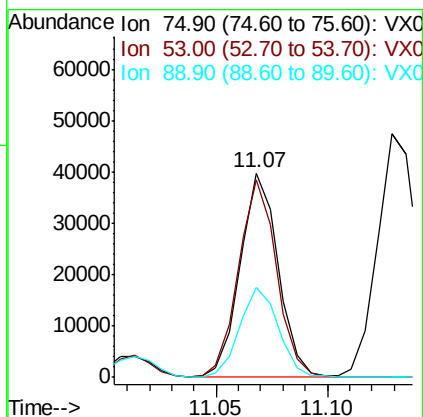
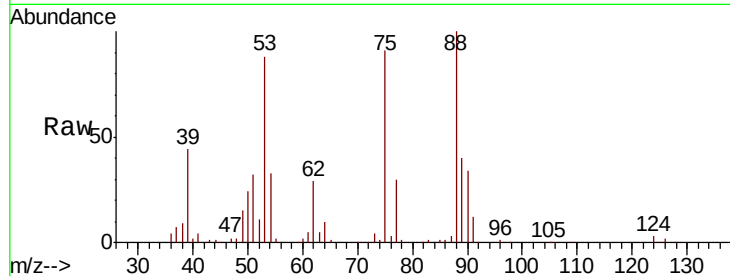
Tot Ion: 75 Resp: 47646

Ion Ratio Lower Upper

75 100

53 97.0 78.5 117.7

89 45.0 37.4 56.2



#82

4-Chlorotoluene

Concen: 52.292 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013010.D

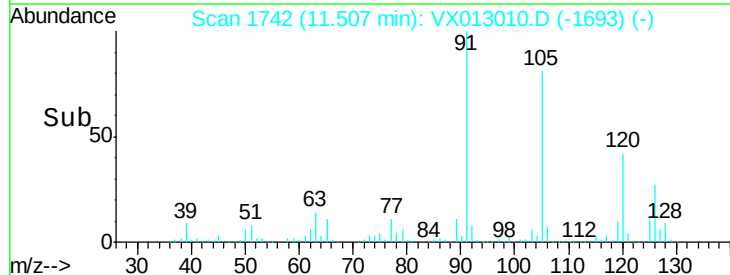
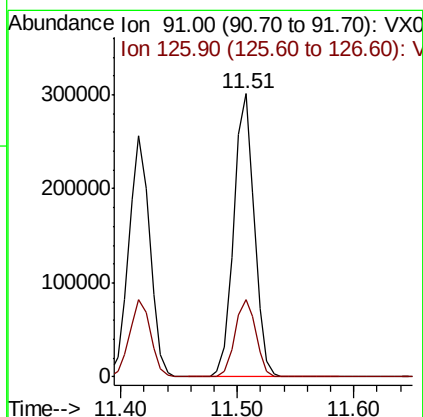
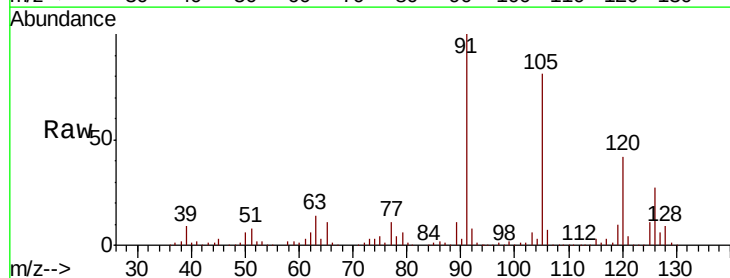
Acq: 11 Oct 2019 12:38

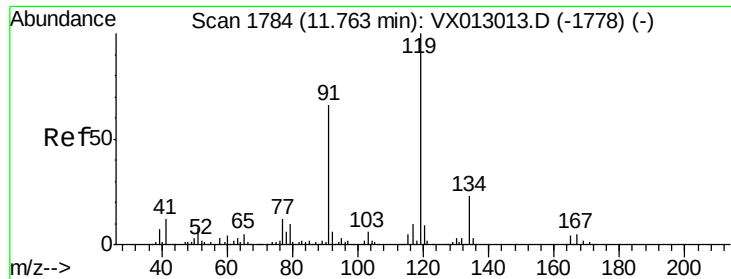
Tgt Ion: 91 Resp: 372111

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6

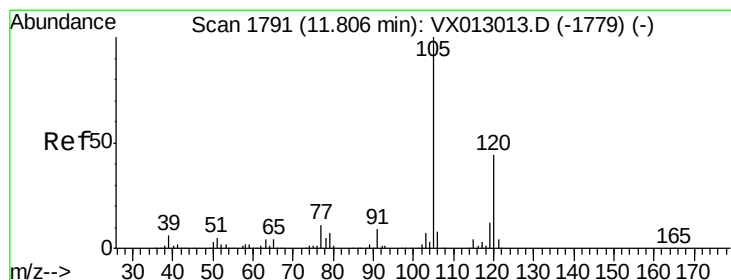
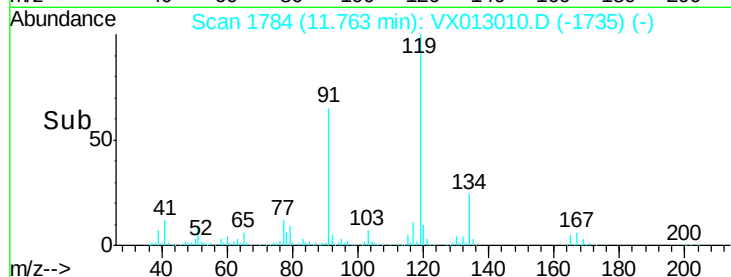
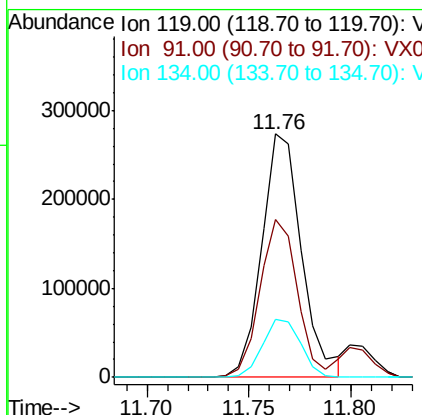
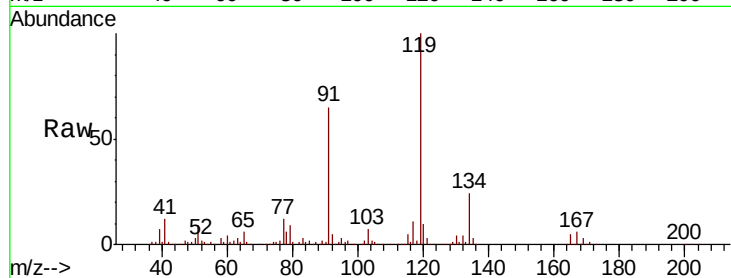




#83
 tert-Butylbenzene
 Concen: 50.913 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

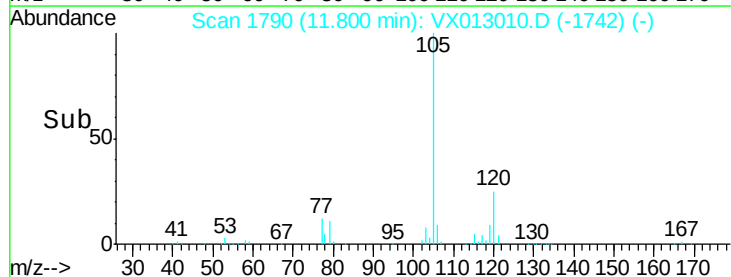
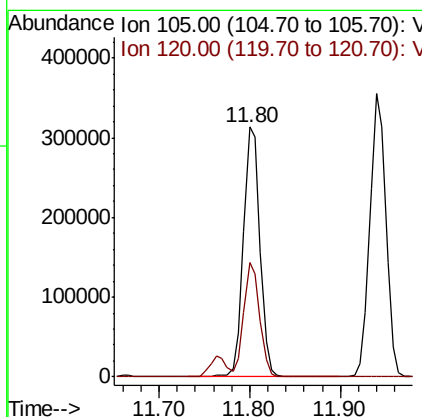
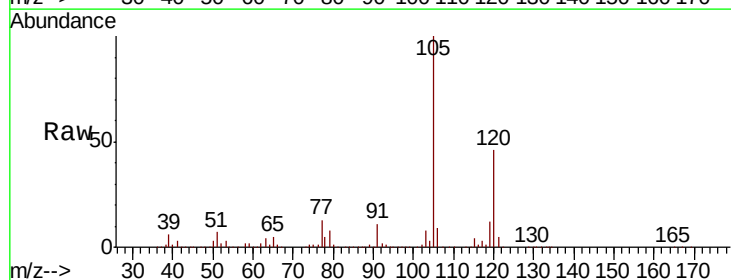
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

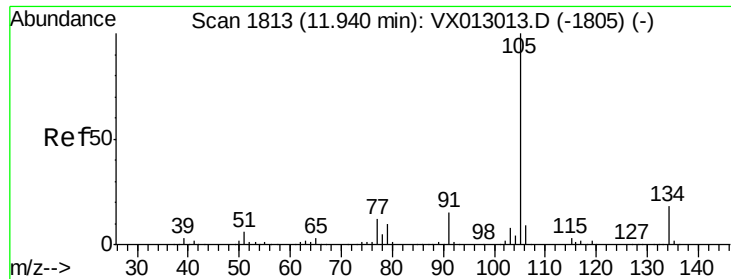
Tot Ion:119 Resp: 372299
 Ion Ratio Lower Upper
 119 100
 91 60.9 29.3 87.9
 134 23.2 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.040 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion:105 Resp: 395090
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 51.513 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

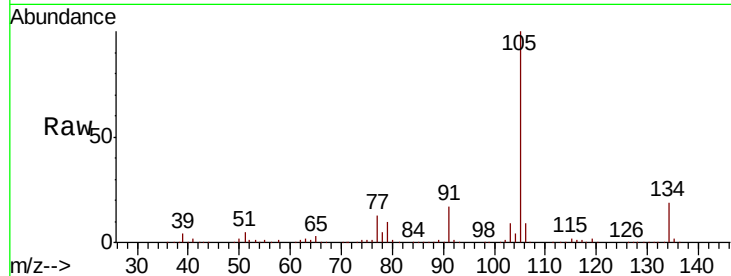
VSTDCCC050

Tot Ion:105 Resp: 436411

Ion Ratio Lower Upper

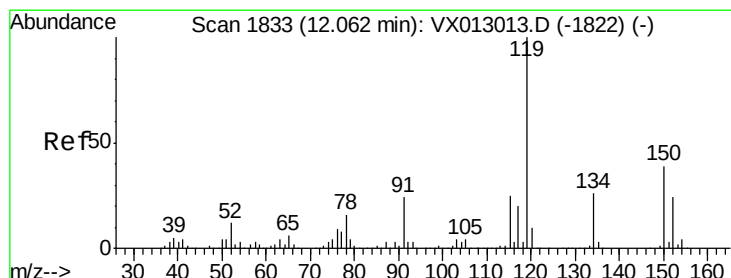
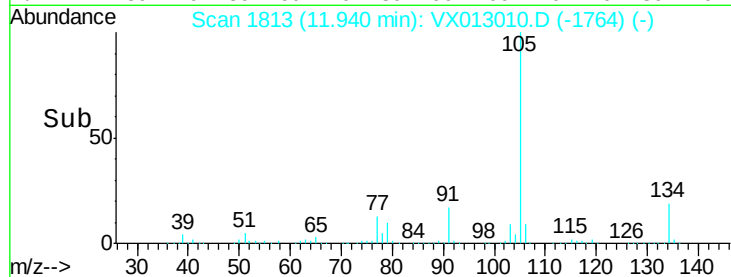
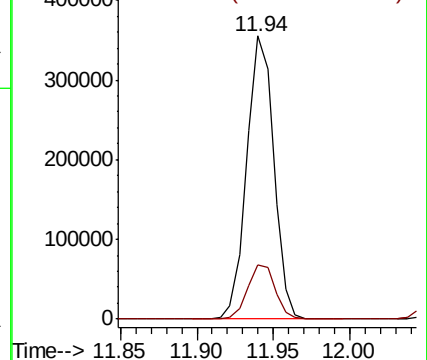
105 100

134 19.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.720 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

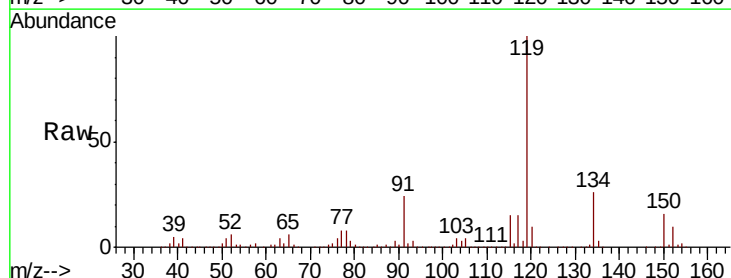
Tgt Ion:119 Resp: 406377

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

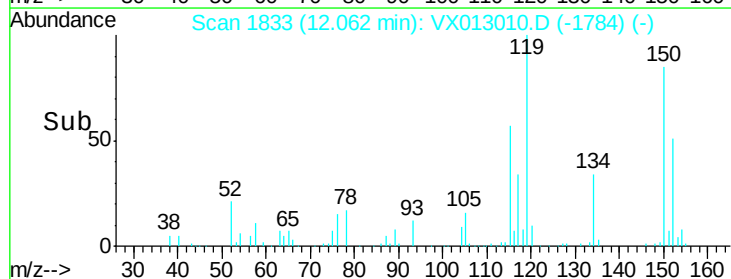
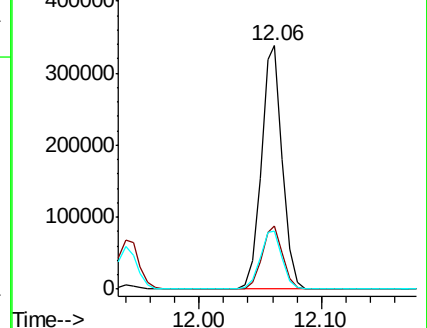
91 24.9 12.4 37.4

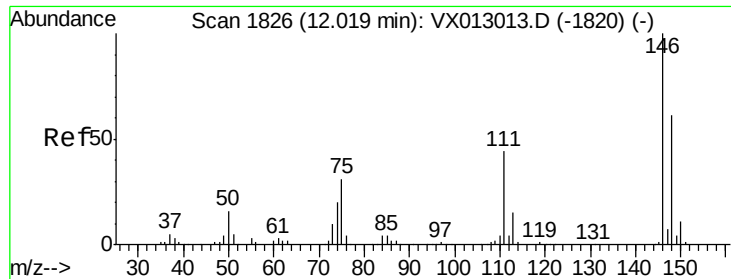


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

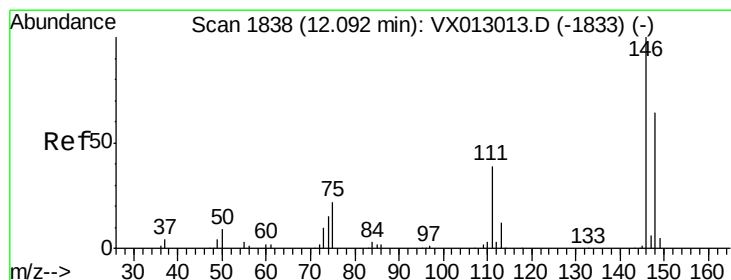
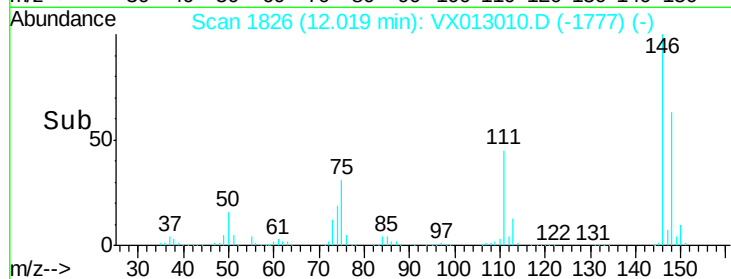
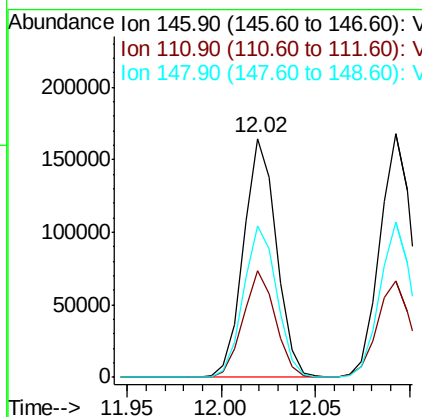
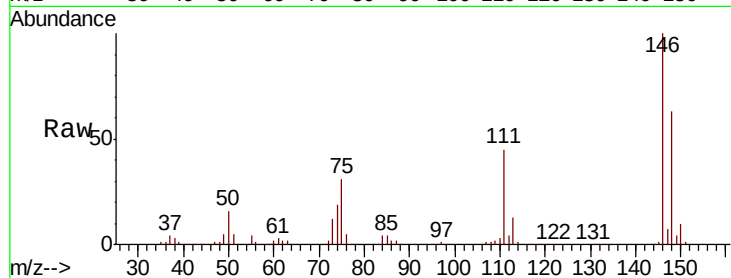




#87
 1,3-Dichlorobenzene
 Concen: 50.684 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

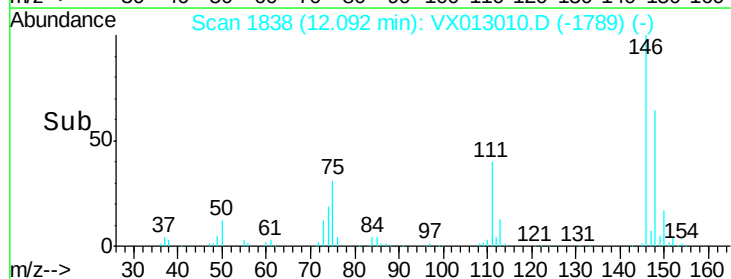
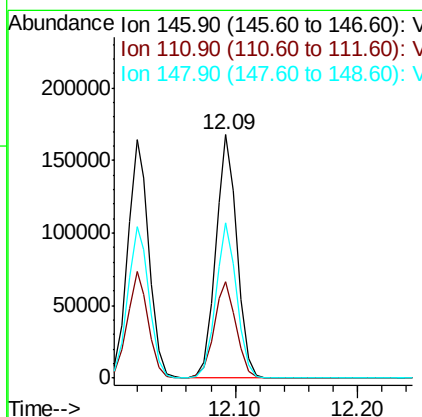
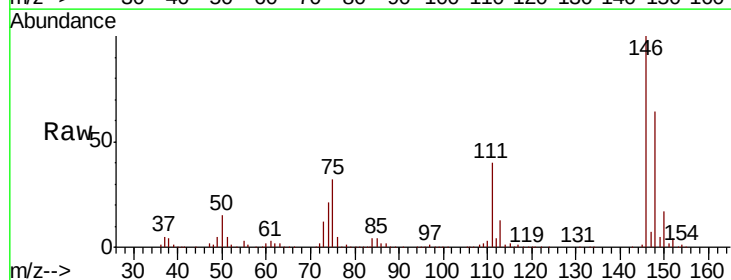
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

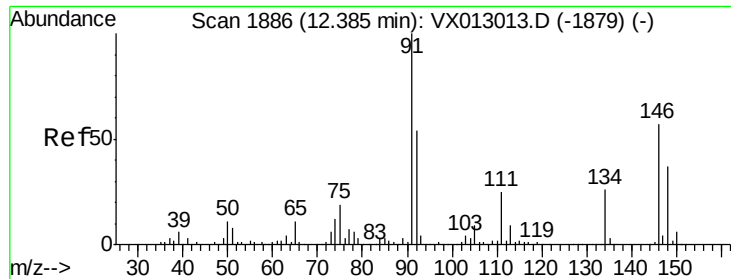
Tot Ion:146 Resp: 199117
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.4
 148 63.9 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 50.773 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion:146 Resp: 202011
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.4 64.3
 148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 54.026 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

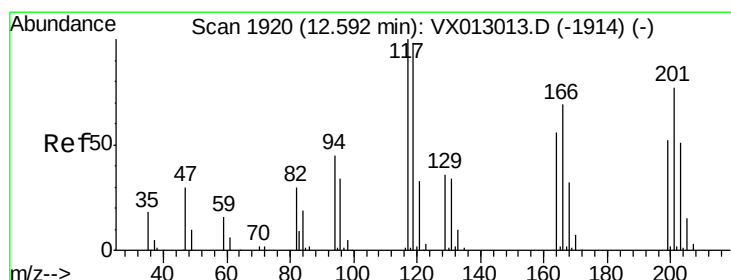
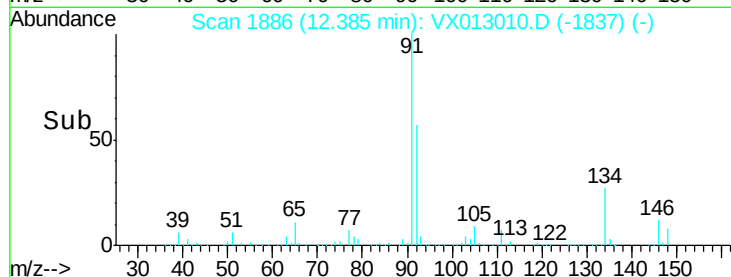
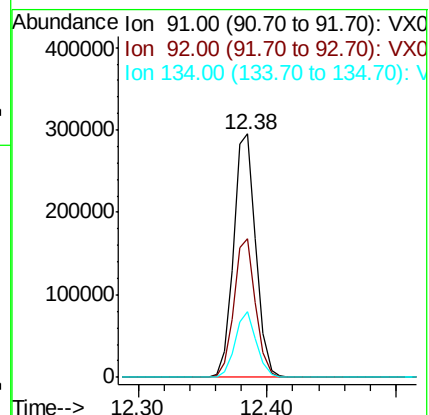
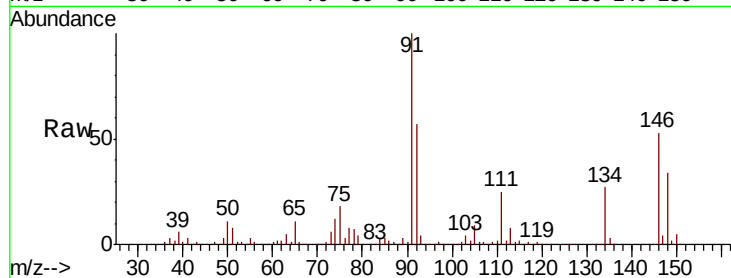
Tot Ion: 91 Resp: 356768

Ion Ratio Lower Upper

91 100

92 55.5 27.5 82.5

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 47.323 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013010.D

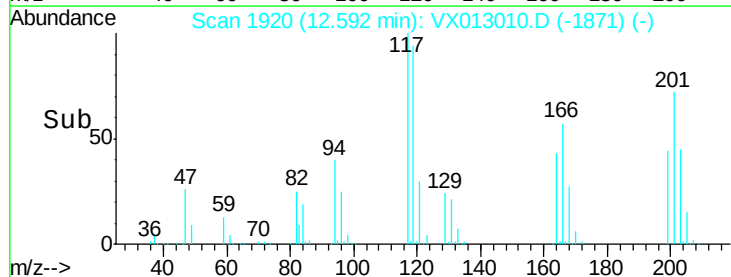
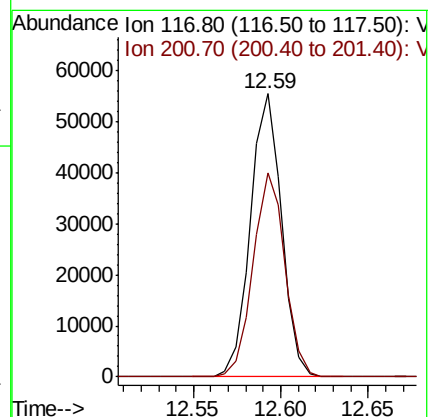
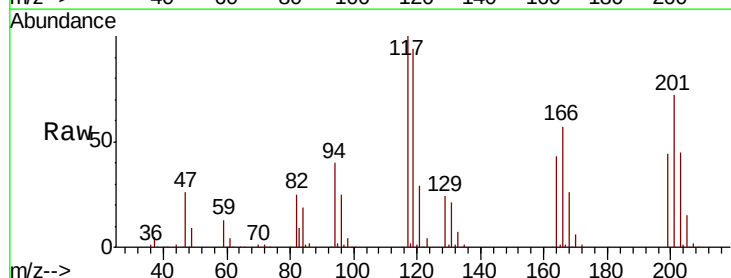
Acq: 11 Oct 2019 12:38

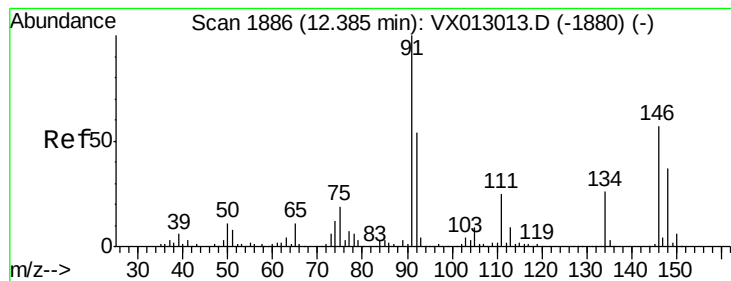
Tgt Ion: 117 Resp: 68695

Ion Ratio Lower Upper

117 100

201 73.8 36.9 110.7





#91

1,2-Dichlorobenzene

Concen: 51.231 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

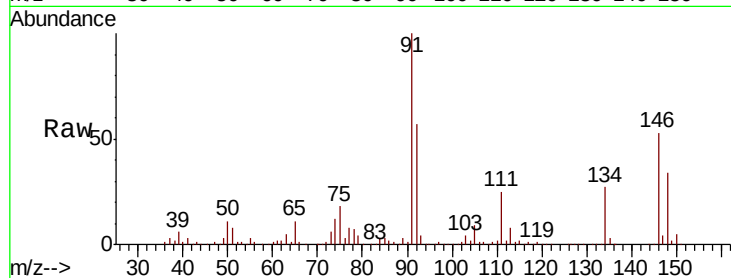
Tot Ion:146 Resp: 197311

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.0

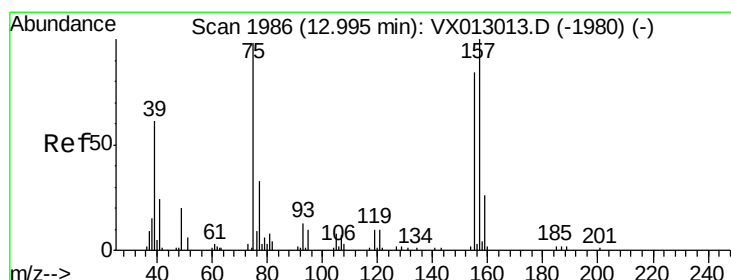
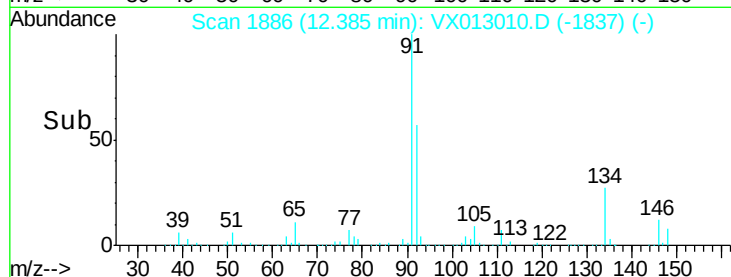
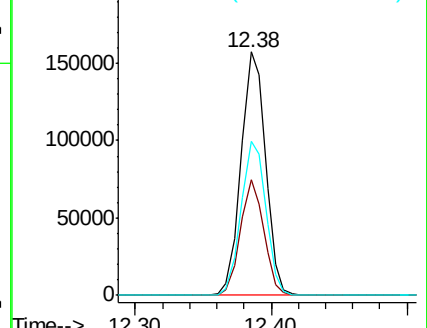
148 64.2 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.140 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

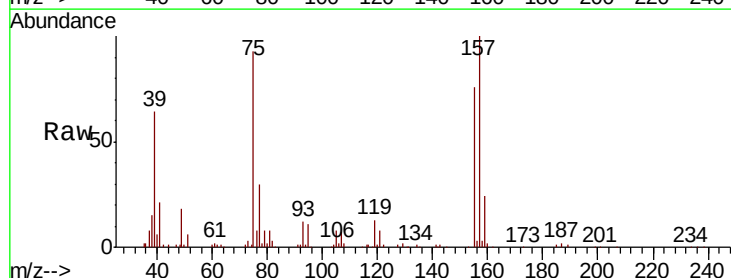
Tgt Ion: 75 Resp: 35091

Ion Ratio Lower Upper

75 100

155 81.9 43.0 128.8

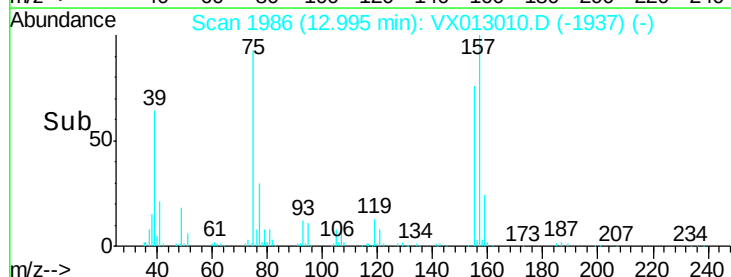
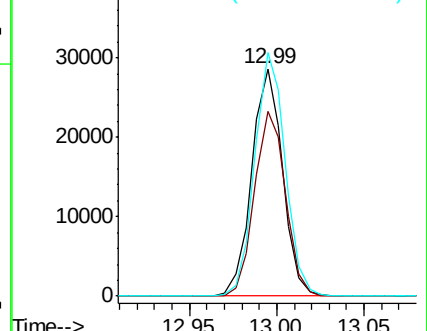
157 106.5 54.1 162.3

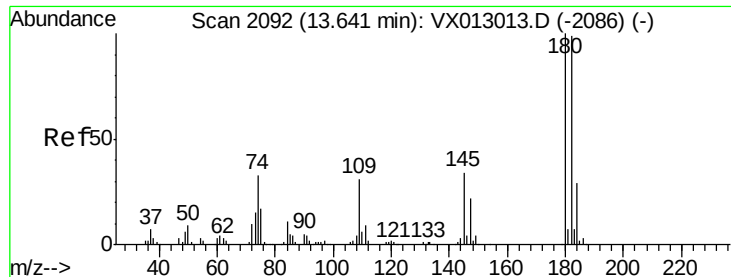


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

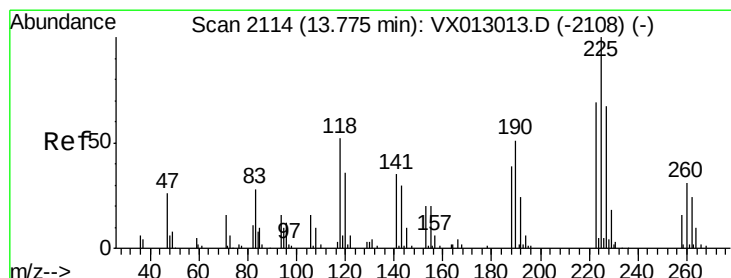
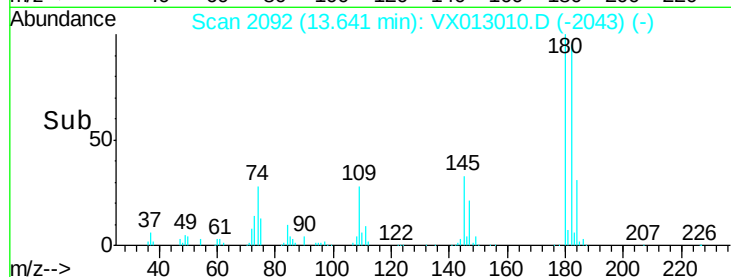
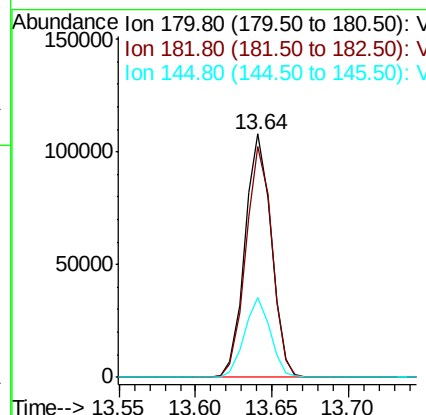
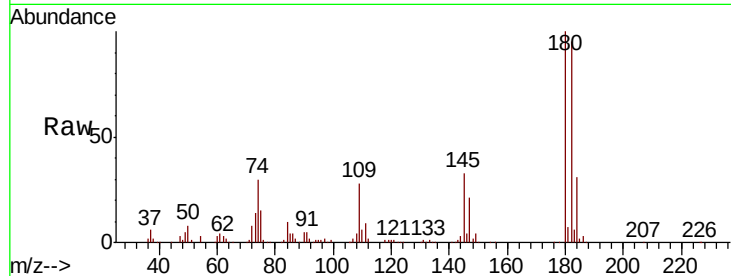




#93
 1,2,4-Trichlorobenzene
 Concen: 53.351 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

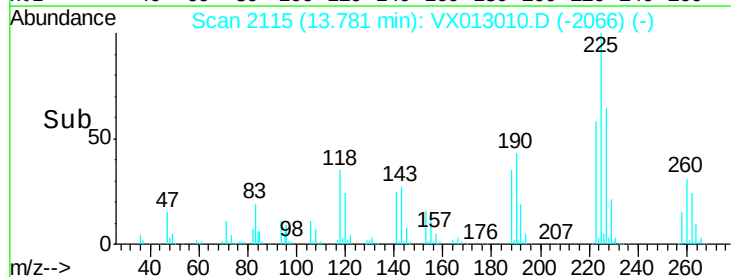
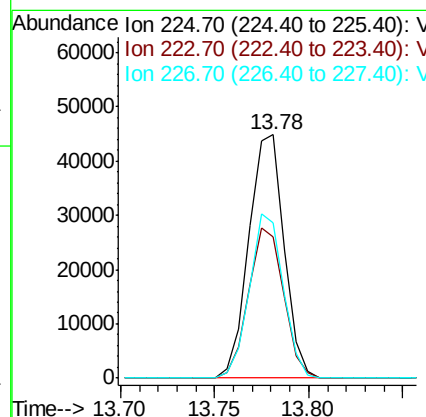
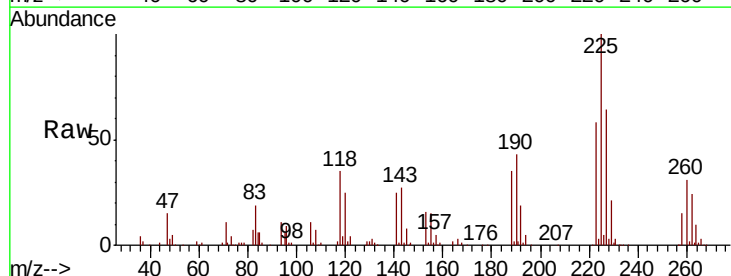
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

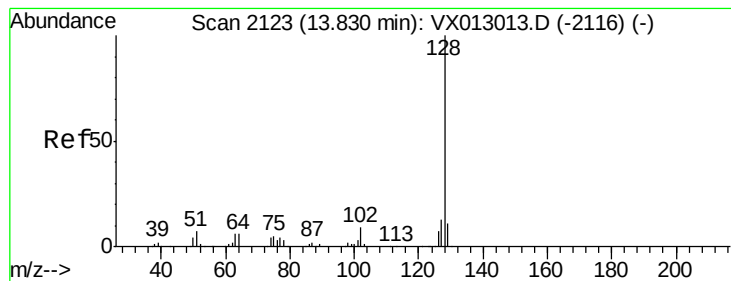
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	32.3	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 52.402 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.1	93.2
227	64.5	32.3	96.9





#95

Naphthalene

Concen: 52.401 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

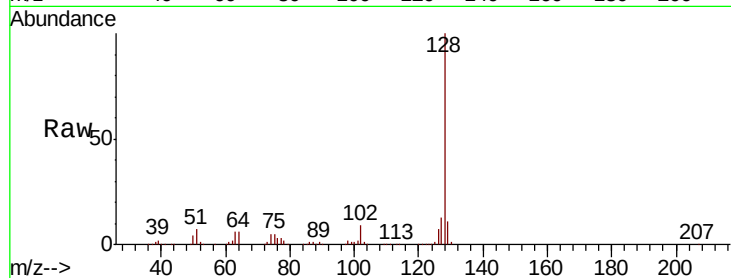
Tot Ion:128 Resp: 438247

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

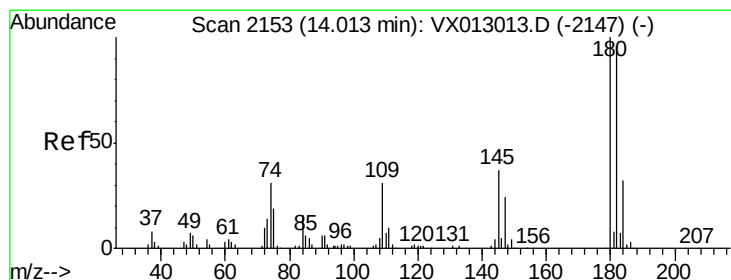
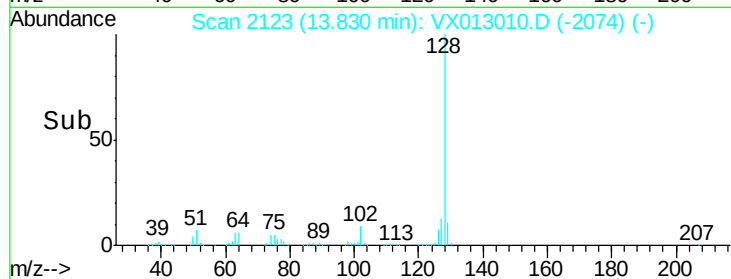
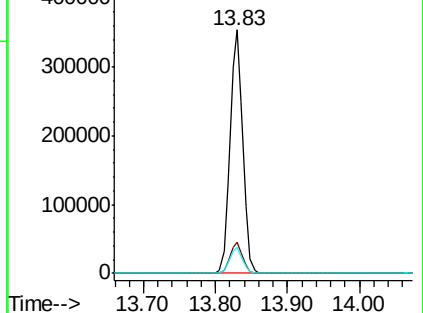
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.307 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

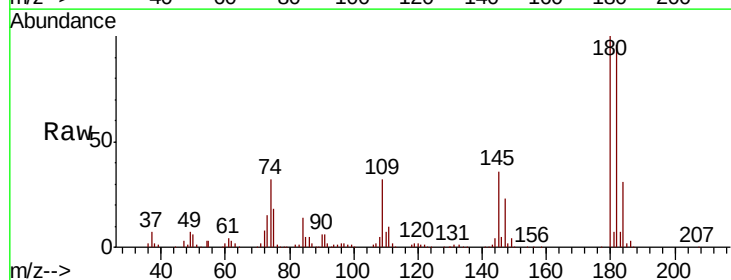
Tgt Ion:180 Resp: 127918

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.5

145 34.9 17.4 52.3



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

