

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013099.D
 Acq On : 17 Oct 2019 11:05
 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 18 08:00:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	104666	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
35) Dibromofluoromethane	5.48	113	86063	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
50) Toluene-d8	8.71	98	321261	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	129878	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	83520	46.266	ug/l	100
3) Chloromethane	1.32	50	85055	43.293	ug/l	97
4) Vinyl Chloride	1.40	62	89650	44.210	ug/l	98
5) Bromomethane	1.63	94	38997	46.263	ug/l	100
6) Chloroethane	1.71	64	57381	46.352	ug/l	100
7) Trichlorofluoromethane	1.92	101	140568	51.359	ug/l	99
8) Diethyl Ether	2.18	74	53302	48.248	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	93105	52.562	ug/l	98
10) Methyl Iodide	2.50	142	105356	52.247	ug/l	99
11) Tert butyl alcohol	3.04	59	119977	204.465	ug/l	98
12) 1,1-Dichloroethene	2.36	96	85791	47.936	ug/l	95
13) Acrolein	2.28	56	94280	226.090	ug/l	100
14) Allyl chloride	2.72	41	148986	46.746	ug/l	98
15) Acrylonitrile	3.13	53	260594	234.347	ug/l	99
16) Acetone	2.44	43	282354	242.001	ug/l	100
17) Carbon Disulfide	2.56	76	211175	41.382	ug/l	99
18) Methyl Acetate	2.76	43	126016	45.567	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	319325	51.667	ug/l	97
20) Methylene Chloride	2.84	84	101536	47.353	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	93178	48.575	ug/l	97
22) Diisopropyl ether	3.84	45	301032	49.291	ug/l	95
23) Vinyl Acetate	3.80	43	1297909	246.180	ug/l	100
24) 1,1-Dichloroethane	3.69	63	171883	50.027	ug/l	99
25) 2-Butanone	4.65	43	378700	233.953	ug/l	99
26) 2,2-Dichloropropane	4.57	77	155115	53.688	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	111061	50.229	ug/l	98
28) Bromochloromethane	5.00	49	49308	48.004	ug/l	96
29) Tetrahydrofuran	5.11	42	220830	221.696	ug/l	97
30) Chloroform	5.20	83	177923	50.469	ug/l	97
31) Cyclohexane	5.57	56	150882	46.964	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	157822	52.835	ug/l	99
36) 1,1-Dichloropropene	5.79	75	131860	53.004	ug/l	99
37) Ethyl Acetate	4.82	43	132675	47.694	ug/l	99
38) Carbon Tetrachloride	5.77	117	134819	55.678	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	164553	54.543	ug/l	99
40) Benzene	6.13	78	394125	53.640	ug/l	99
41) Methacrylonitrile	5.03	41	76427	50.000	ug/l	99
42) 1,2-Dichloroethane	6.18	62	142114	53.902	ug/l	100
43) Isopropyl Acetate	6.43	43	228697	51.222	ug/l	99
44) Trichloroethene	7.20	130	106280	52.162	ug/l	95
45) 1,2-Dichloropropane	7.50	63	101177	54.029	ug/l	99
46) Dibromomethane	7.65	93	67962	54.471	ug/l	97
47) Bromodichloromethane	7.89	83	141643	58.173	ug/l	97
48) Methyl methacrylate	7.76	41	110643	50.853	ug/l	99
49) 1,4-Dioxane	7.73	88	51093	879.447	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	697929	250.718	ug/l	98
52) Toluene	8.78	92	253531	53.935	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	154897	50.934	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	169639	56.647	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	105102	56.499	ug/l	98
56) Ethyl methacrylate	9.17	69	166118	49.873	ug/l	98
57) 1,3-Dichloropropane	9.36	76	172670	53.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	351776	257.413	ug/l	98
59) 2-Hexanone	9.48	43	553901	255.613	ug/l	99
60) Dibromochloromethane	9.57	129	109567	52.818	ug/l	99
61) 1,2-Dibromoethane	9.67	107	106682	54.516	ug/l	100
64) Tetrachloroethene	9.33	164	102795	58.057	ug/l	95
65) Chlorobenzene	10.13	112	274524	54.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	103789	59.049	ug/l	99
67) Ethyl Benzene	10.25	91	498336	55.342	ug/l	98
68) m/p-Xylenes	10.36	106	372703	110.792	ug/l	100
69) o-Xylene	10.70	106	182641	55.675	ug/l	98
70) Styrene	10.71	104	318834	57.171	ug/l	100
71) Bromoform	10.85	173	76813	51.218	ug/l #	100
73) Isopropylbenzene	11.01	105	497439	55.265	ug/l	99
74) N-amyl acetate	10.89	43	201161	51.892	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	158564	52.965	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	181140	66.708	ug/l	79
77) Bromobenzene	11.25	156	116151	54.761	ug/l	100
78) n-propylbenzene	11.35	91	529302	53.441	ug/l	99
79) 2-Chlorotoluene	11.42	91	324385	52.113	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	415711	55.311	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	52889	50.079	ug/l	98
82) 4-Chlorotoluene	11.51	91	382545	53.618	ug/l	99
83) tert-Butylbenzene	11.76	119	412383	56.247	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	414332	54.432	ug/l	97
85) sec-Butylbenzene	11.94	105	474725	55.889	ug/l	100
86) p-Isopropyltoluene	12.06	119	451745	57.345	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206077	52.319	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	210947	52.881	ug/l	99
89) n-Butylbenzene	12.39	91	380725	57.504	ug/l	99
90) Hexachloroethane	12.59	117	73878	50.607	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	210183	54.431	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	34452	49.099	ug/l	100

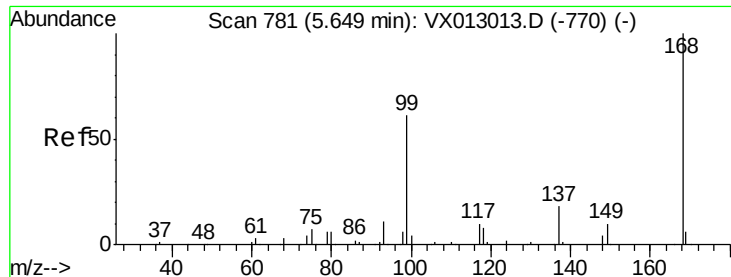
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131313	54.286	ug/l	98
94) Hexachlorobutadiene	13.78	225	65755	58.903	ug/l	99
95) Naphthalene	13.83	128	418662	49.929	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130473	52.196	ug/l	98

(#) = 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: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

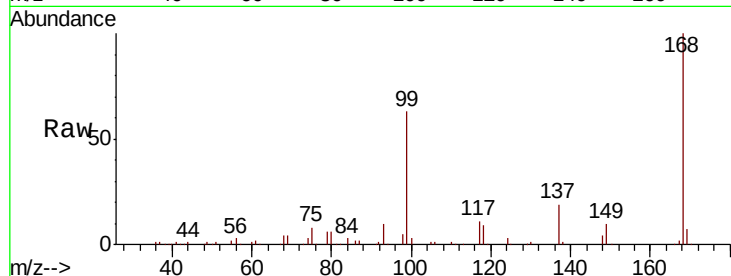
VSTDCCC050

Tot Ion:168 Resp: 177100

Ion Ratio Lower Upper

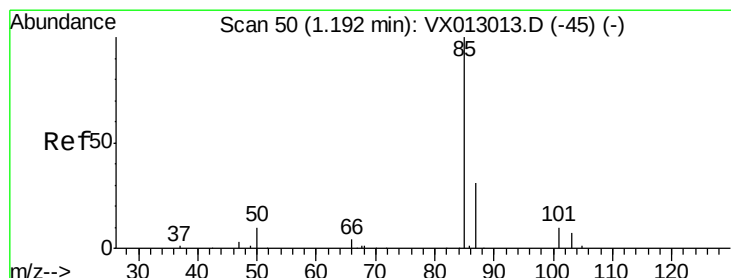
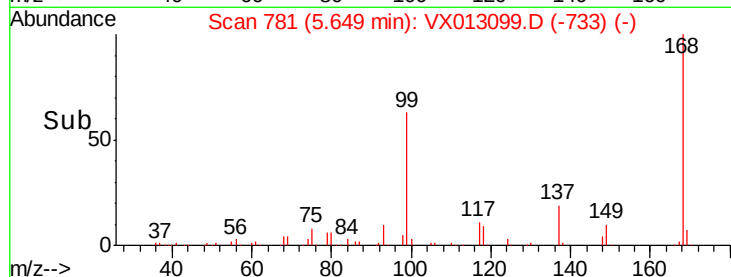
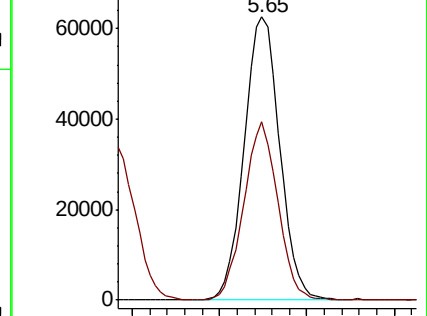
168 100

99 63.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.266 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013099.D

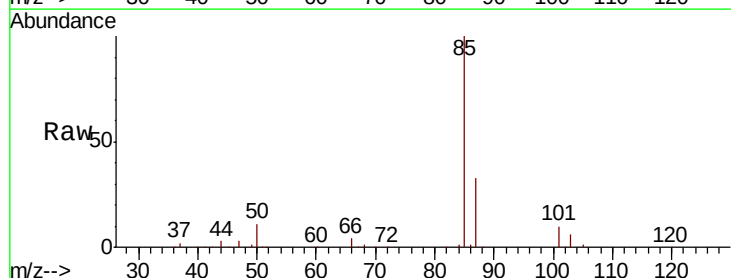
Acq: 17 Oct 2019 11:05

Tgt Ion: 85 Resp: 83520

Ion Ratio Lower Upper

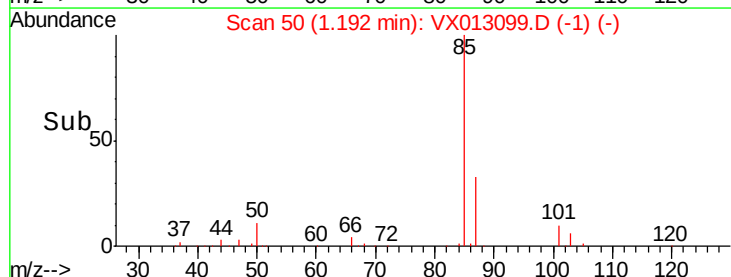
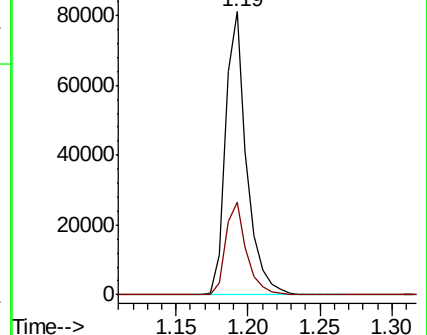
85 100

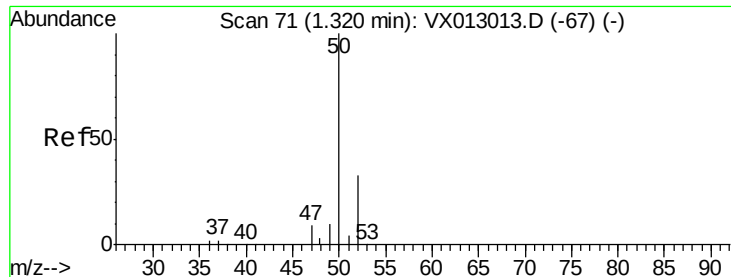
87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.293 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

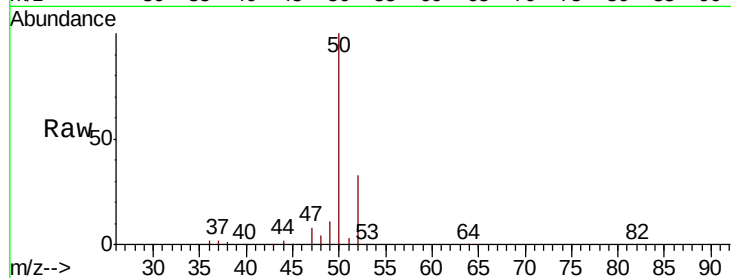
VSTDCCC050

Tot Ion: 50 Resp: 85055

Ion Ratio Lower Upper

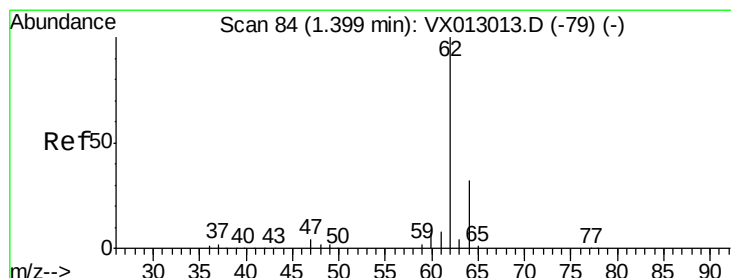
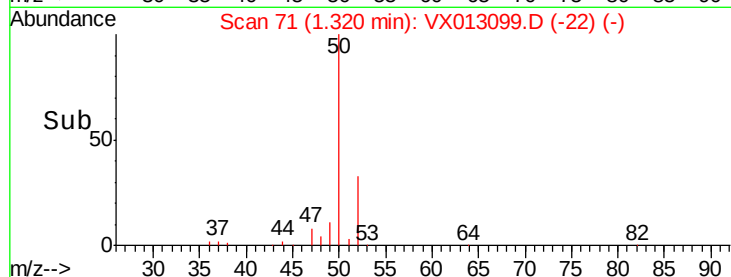
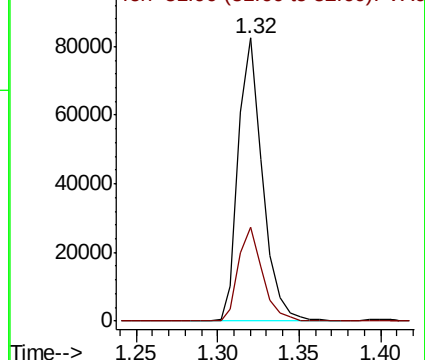
50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.210 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013099.D

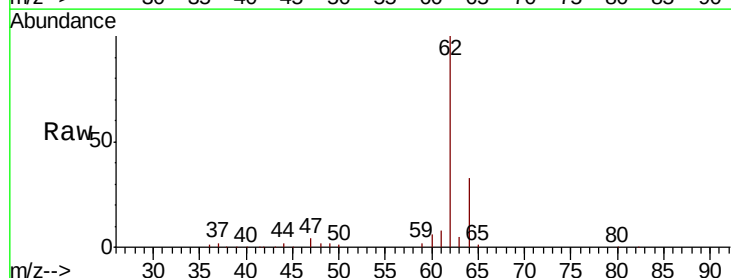
Acq: 17 Oct 2019 11:05

Tgt Ion: 62 Resp: 89650

Ion Ratio Lower Upper

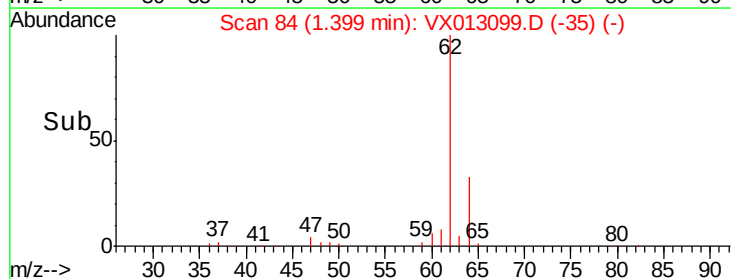
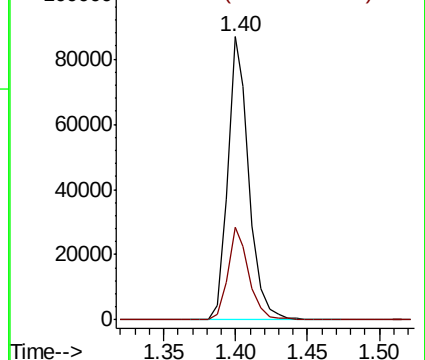
62 100

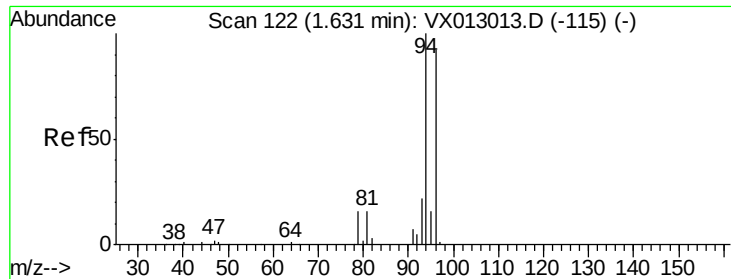
64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.263 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

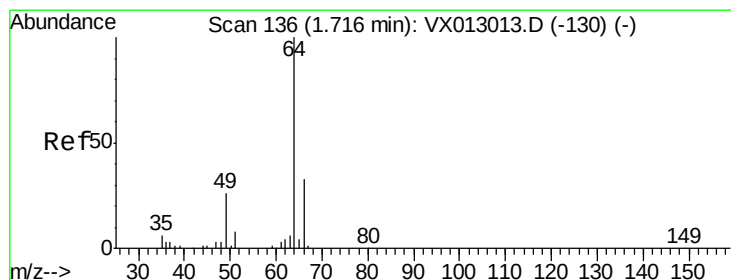
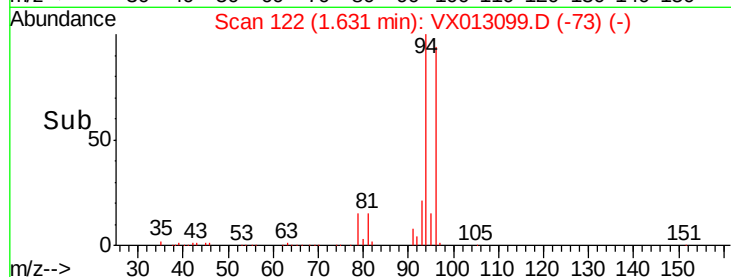
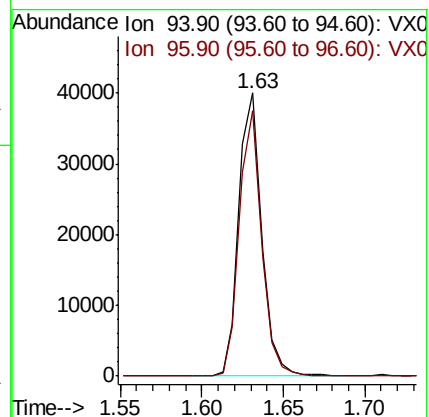
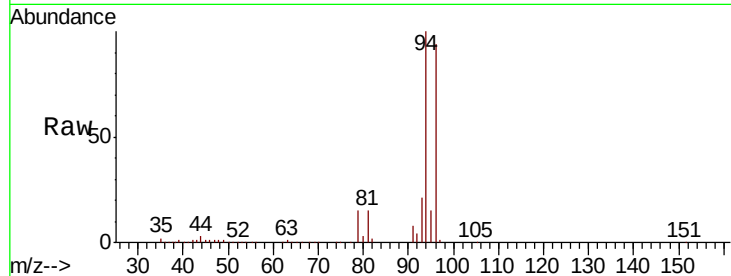
VSTDCCC050

Tot Ion: 94 Resp: 38997

Ion Ratio Lower Upper

94 100

96 93.7 74.7 112.1



#6

Chloroethane

Concen: 46.352 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013099.D

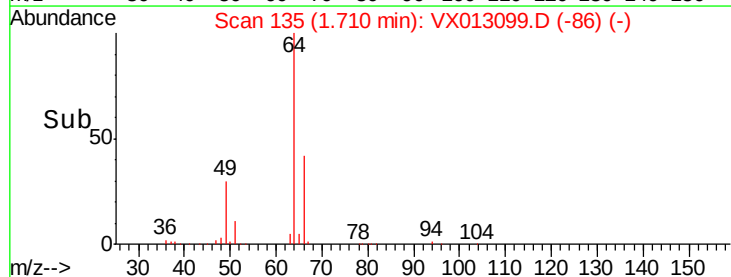
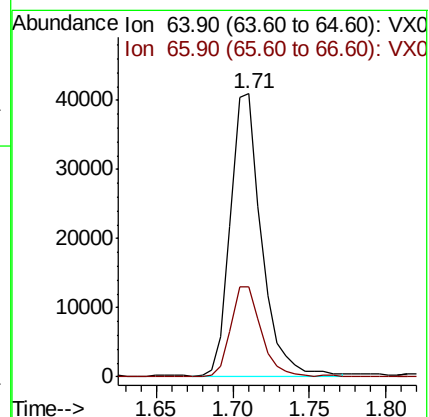
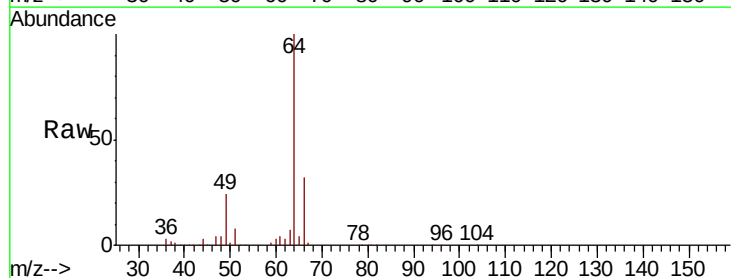
Acq: 17 Oct 2019 11:05

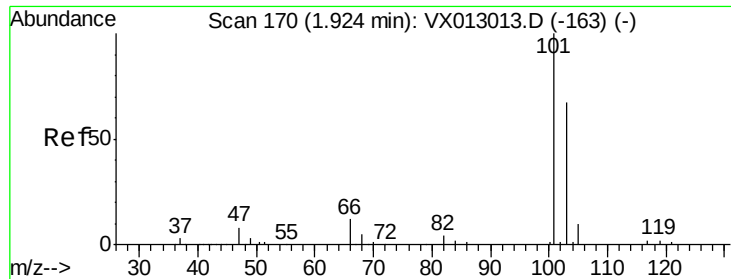
Tgt Ion: 64 Resp: 57381

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



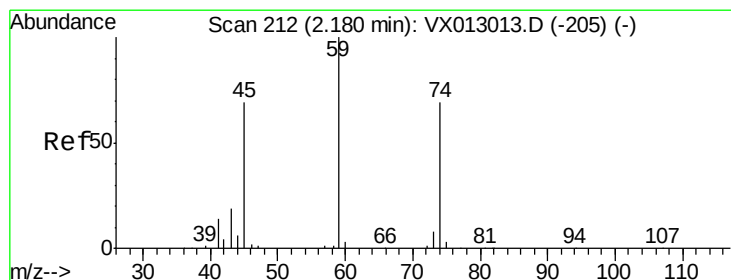
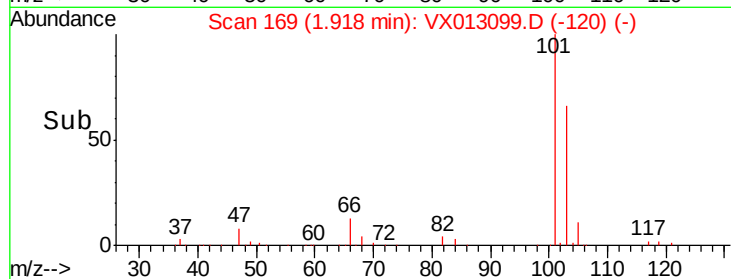
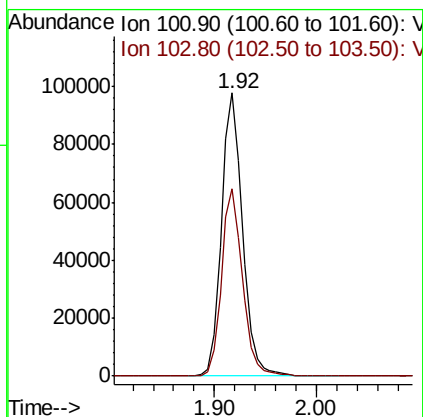
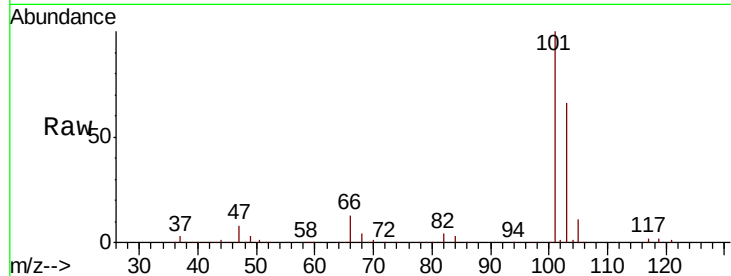


#7

Trichlorofluoromethane
 Concen: 51.359 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
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 ClientSampleId :
 VSTDCCC050

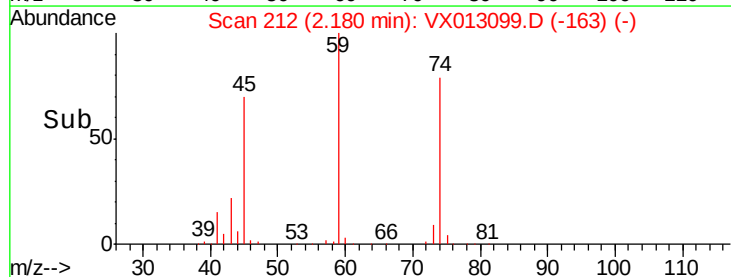
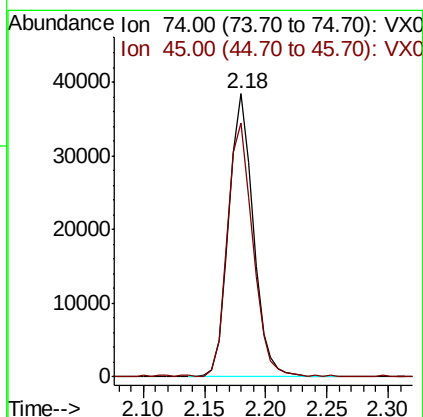
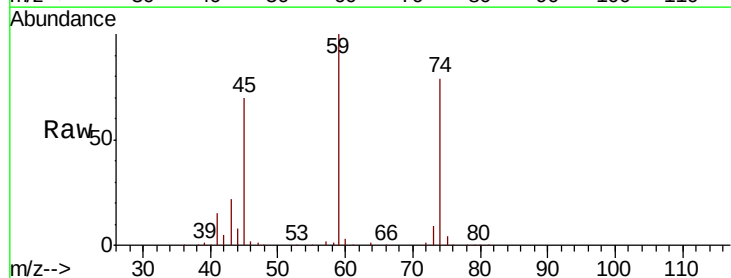
Tot Ion:101 Resp: 140568
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.5 78.7

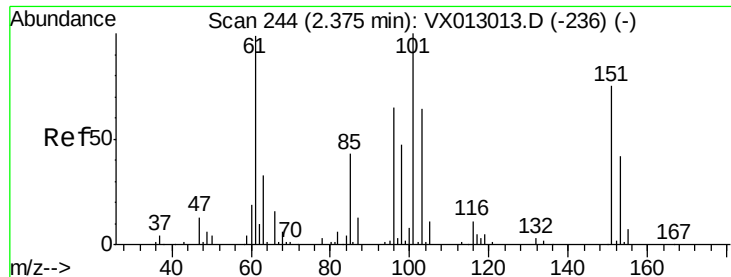


#8

Diethyl Ether
 Concen: 48.248 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 74 Resp: 53302
 Ion Ratio Lower Upper
 74 100
 45 92.9 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.562 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

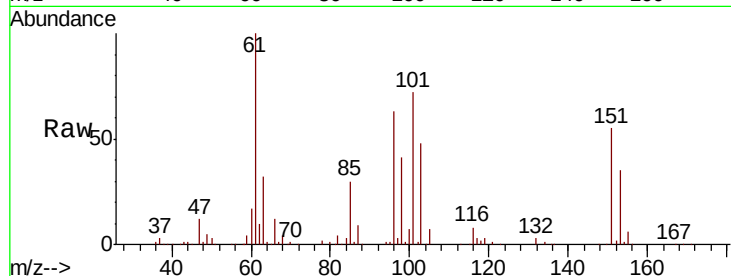
Tot Ion:101 Resp: 93105

Ion Ratio Lower Upper

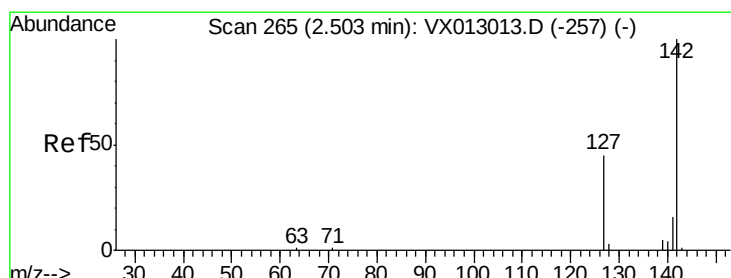
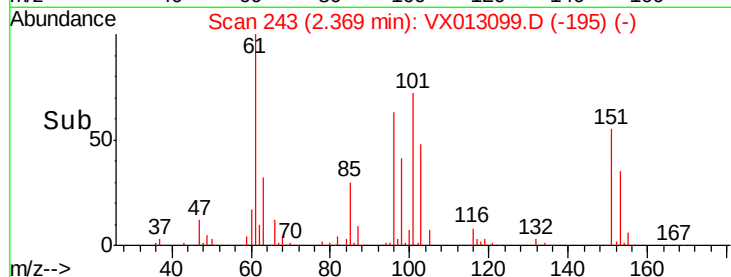
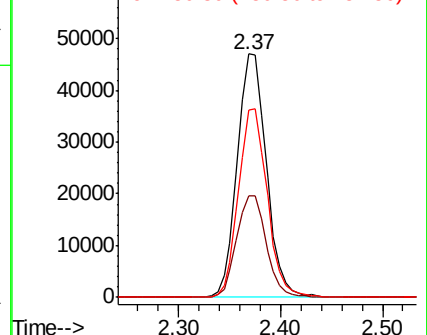
101 100

85 42.7 35.2 52.8

151 76.6 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: 52.247 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

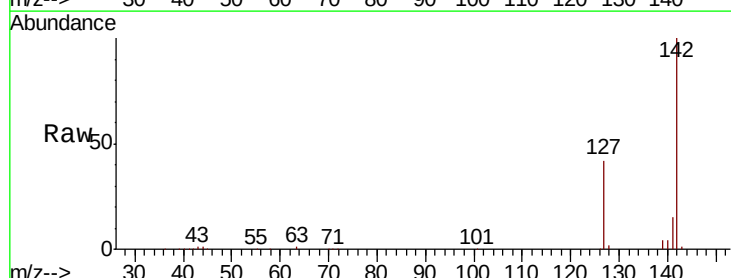
Tgt Ion:142 Resp: 105356

Ion Ratio Lower Upper

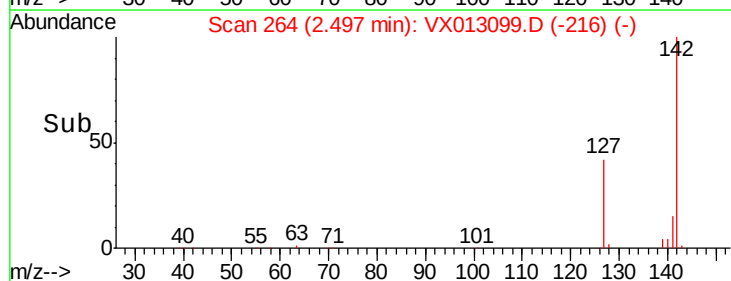
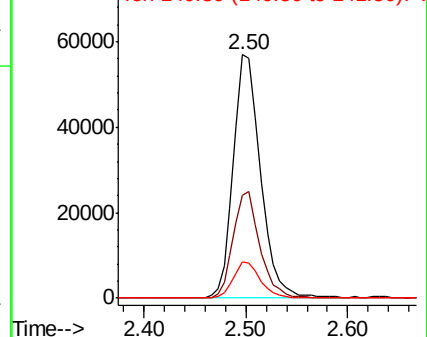
142 100

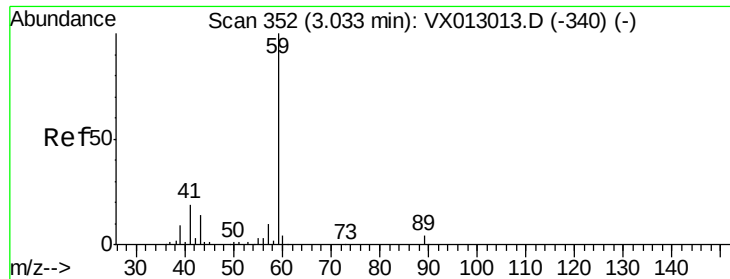
127 42.7 34.9 52.3

141 14.6 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



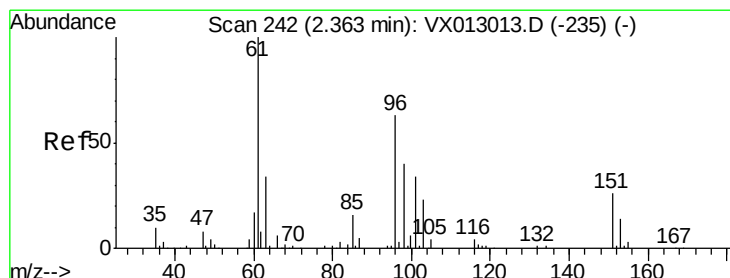
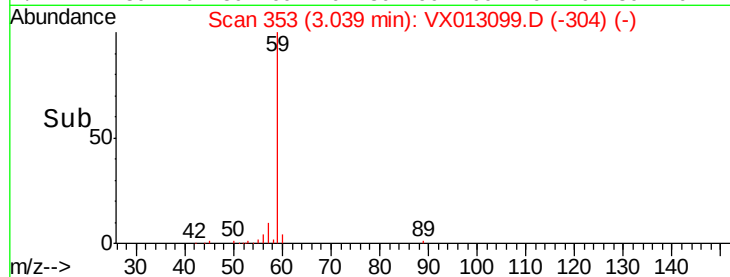
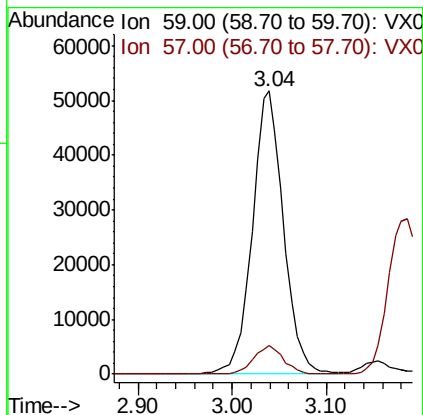
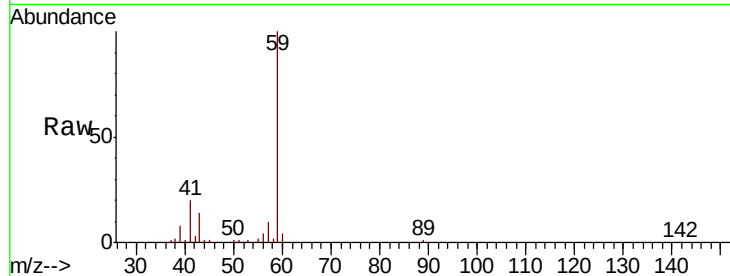


#11

Tert butyl alcohol
 Concen: 204.465 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

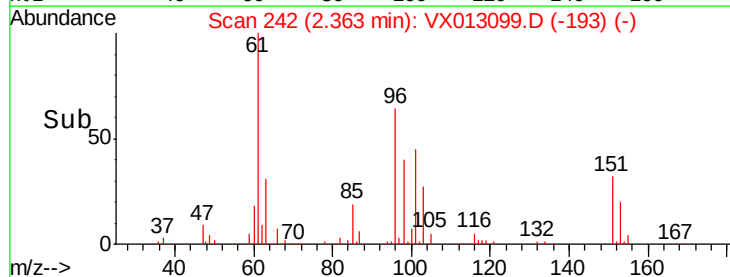
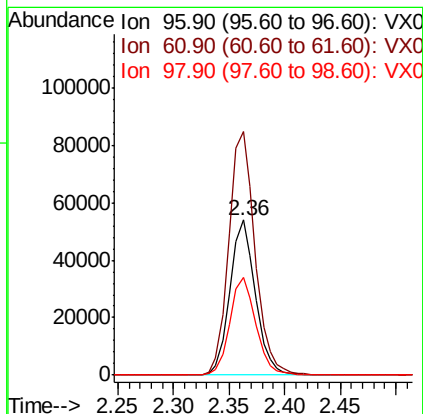
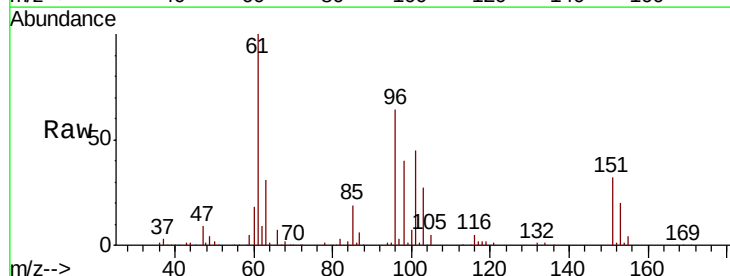
Tot Ion: 59 Resp: 119977
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.3 12.5

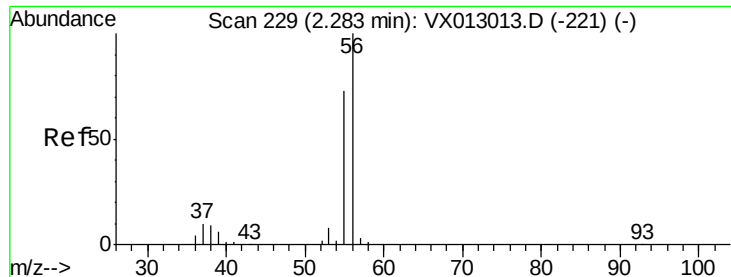


#12

1,1-Dichloroethene
 Concen: 47.936 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 96 Resp: 85791
 Ion Ratio Lower Upper
 96 100
 61 156.9 132.2 198.4
 98 63.3 50.5 75.7





#13

Acrolein

Concen: 226.090 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

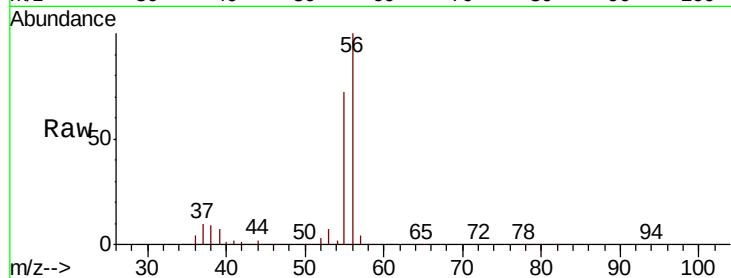
VSTDCCC050

Tot Ion: 56 Resp: 94280

Ion Ratio Lower Upper

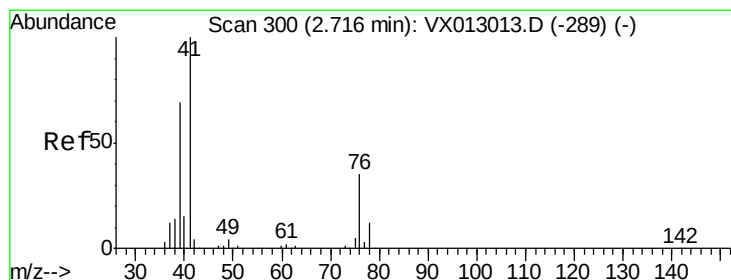
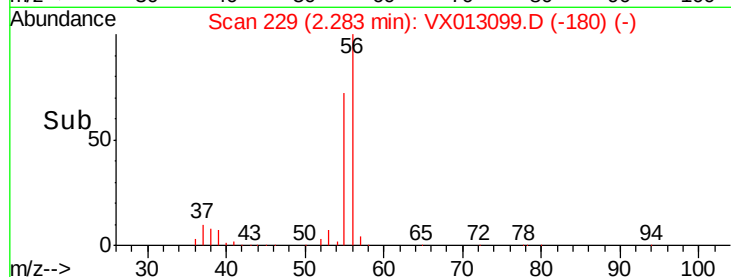
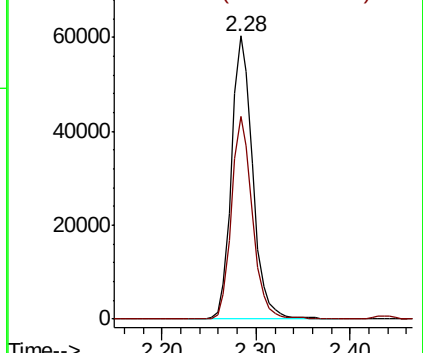
56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.746 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

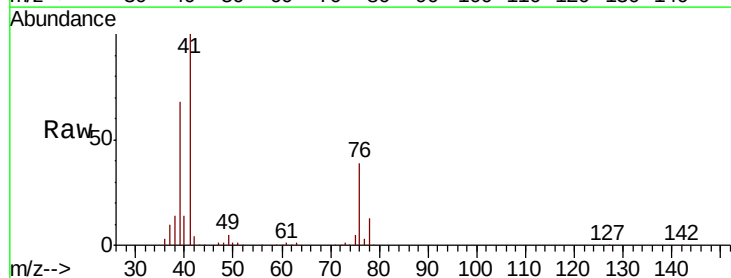
Tgt Ion: 41 Resp: 148986

Ion Ratio Lower Upper

41 100

39 64.0 51.0 76.6

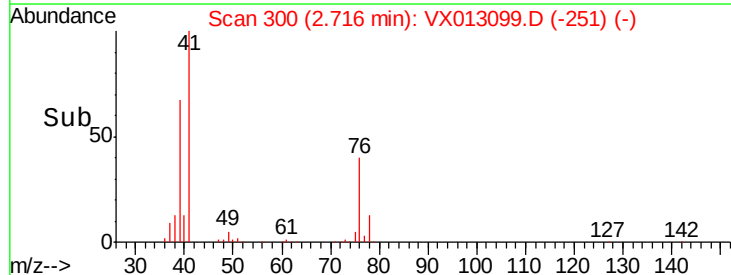
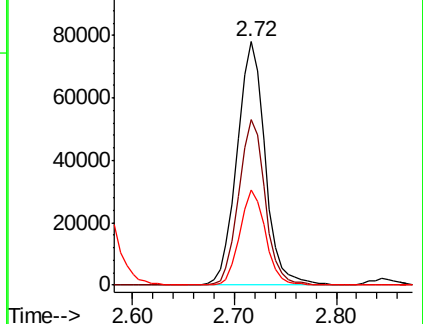
76 35.6 26.2 39.4

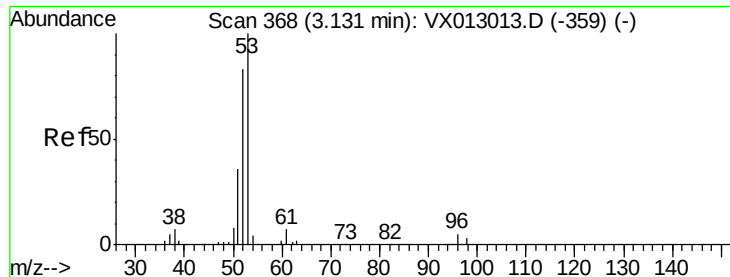


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 234.347 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

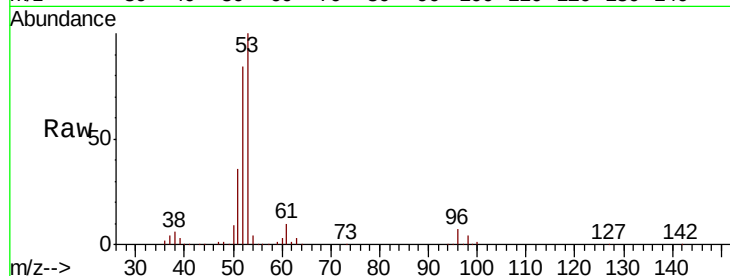
Tot Ion: 53 Resp: 260594

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

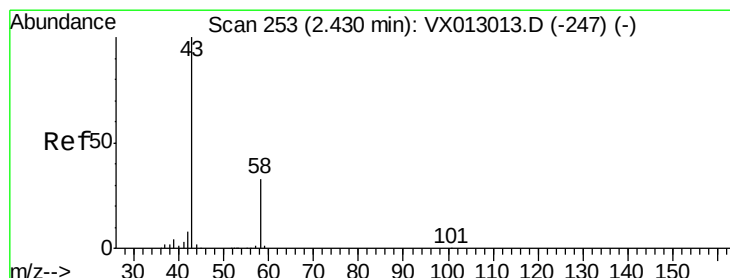
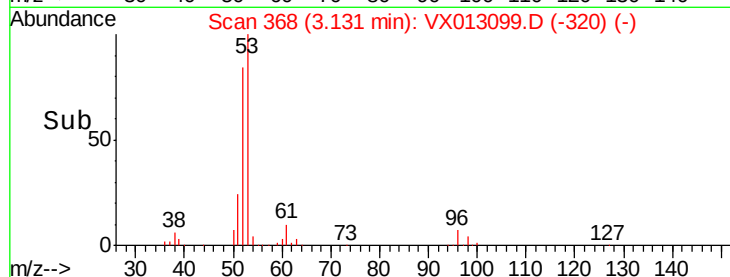
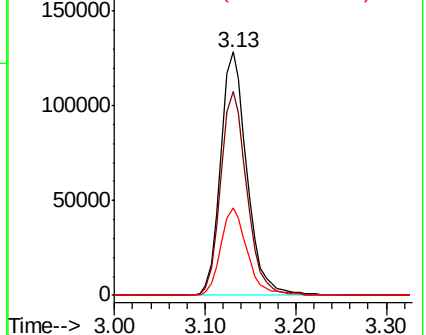
51 36.3 28.2 42.4



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: 242.001 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013099.D

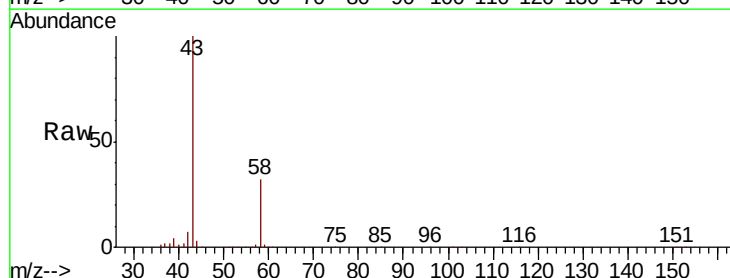
Acq: 17 Oct 2019 11:05

Tgt Ion: 43 Resp: 282354

Ion Ratio Lower Upper

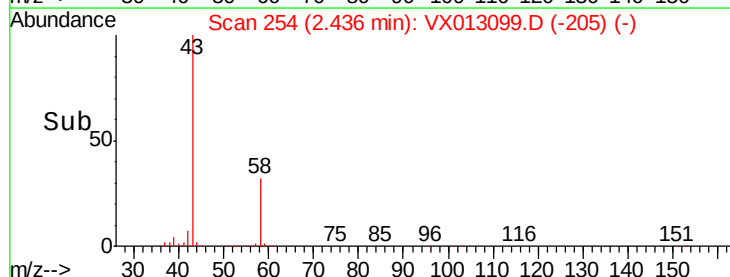
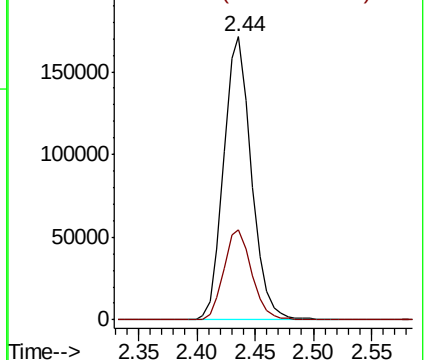
43 100

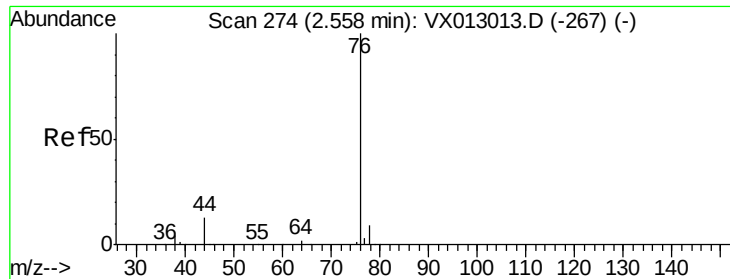
58 31.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

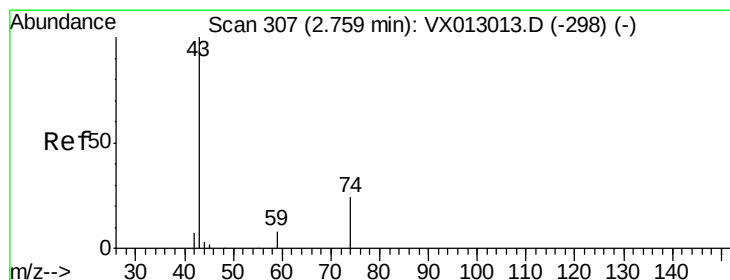
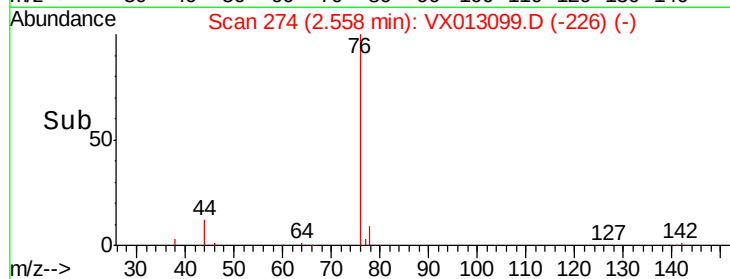
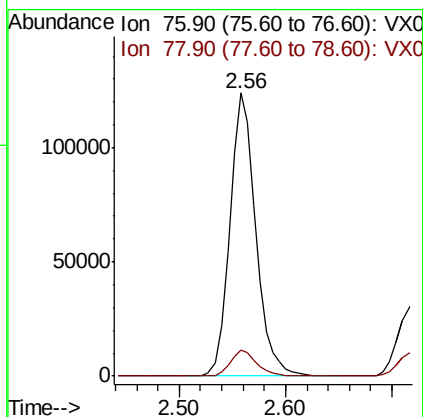
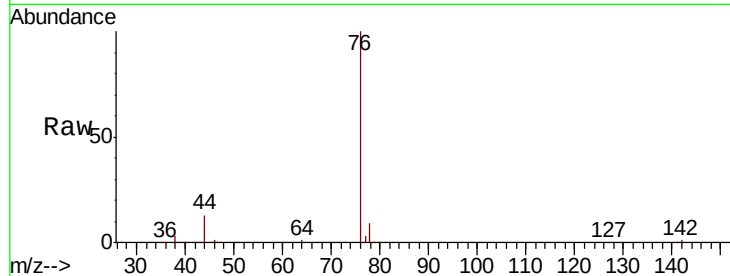




#17
Carbon Disulfide
Concen: 41.382 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

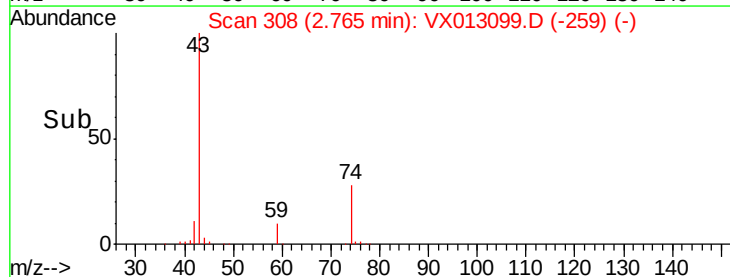
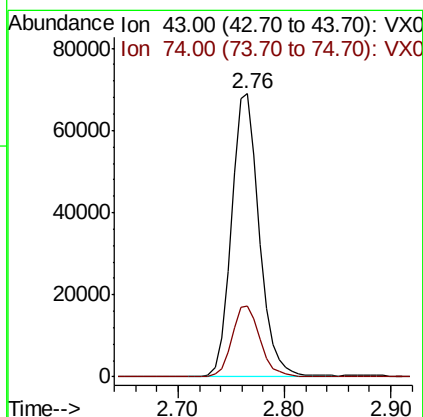
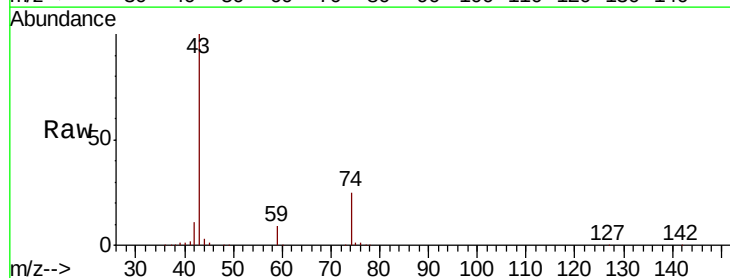
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

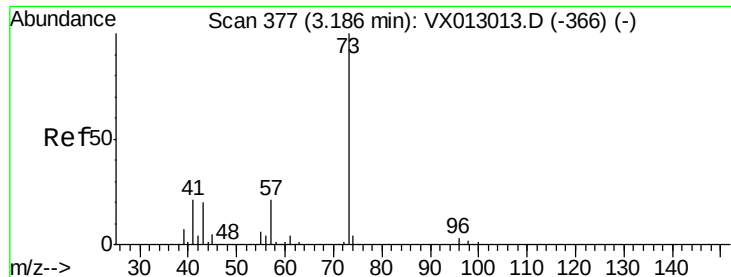
Tot Ion: 76 Resp: 211175
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 45.567 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 43 Resp: 126016
Ion Ratio Lower Upper
43 100
74 25.7 19.2 28.8

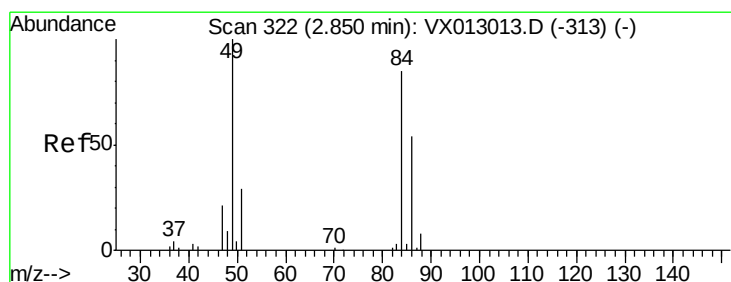
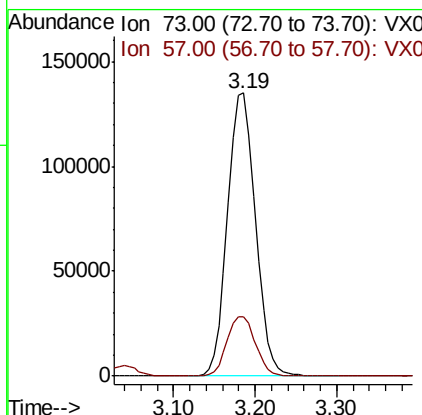
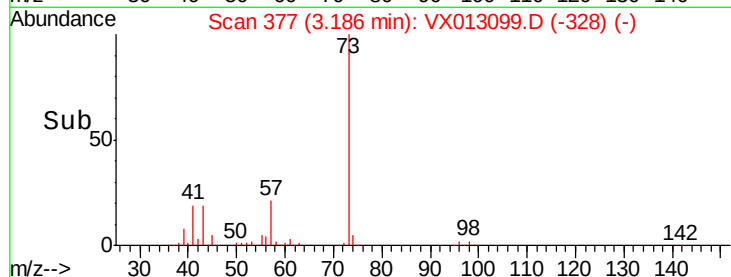
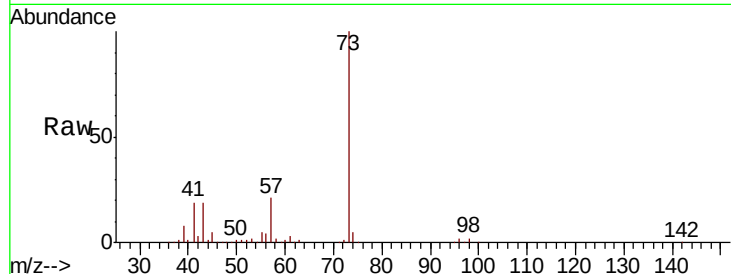




#19
Methyl tert-butyl Ether
Concen: 51.667 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

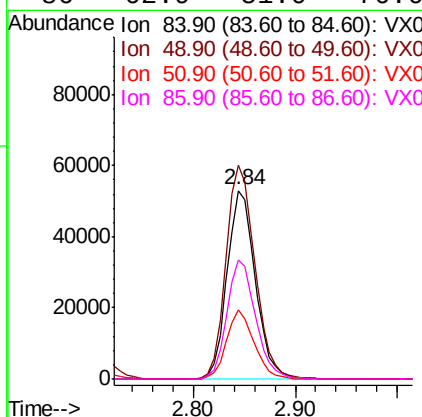
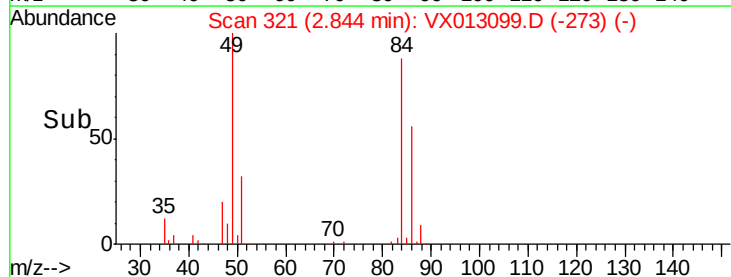
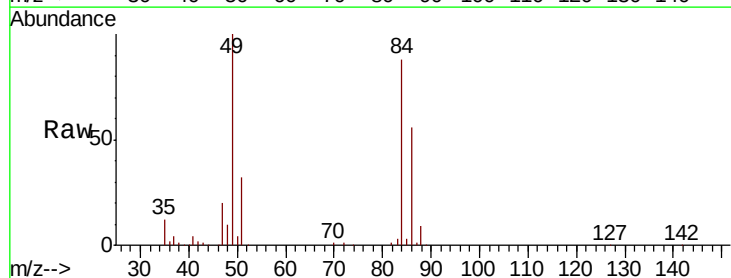
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

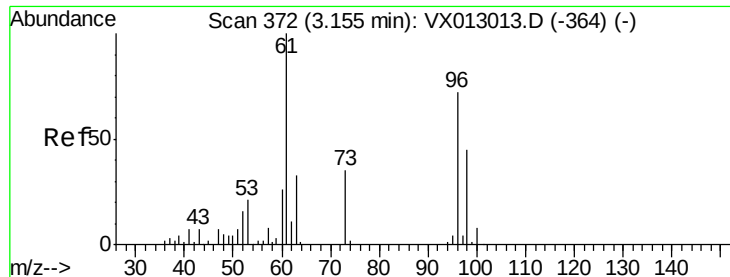
Tot Ion: 73 Resp: 319325
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.6



#20
Methylene Chloride
Concen: 47.353 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 84 Resp: 101536
Ion Ratio Lower Upper
84 100
49 113.2 96.6 144.8
51 36.5 30.7 46.1
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.575 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

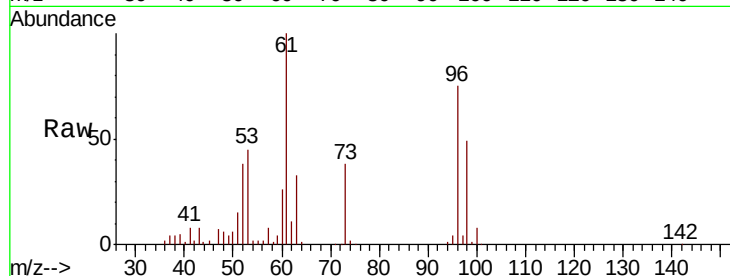
Tot Ion: 96 Resp: 93178

Ion Ratio Lower Upper

96 100

61 134.2 110.4 165.6

98 66.4 51.5 77.3

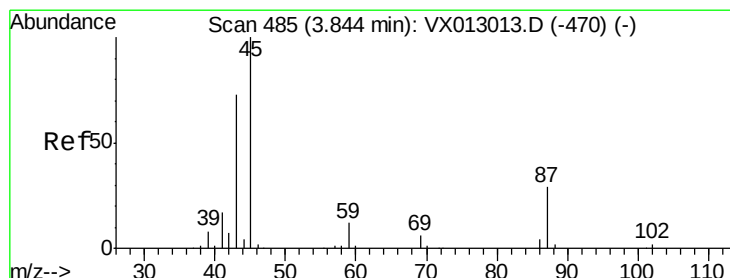
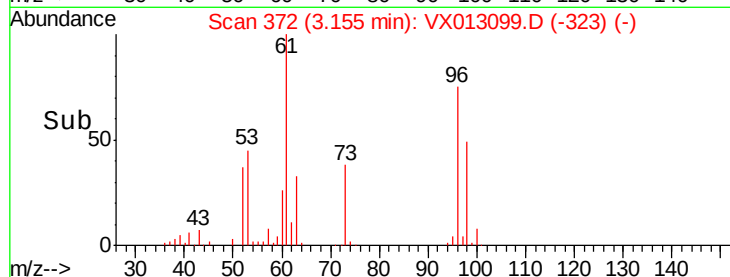
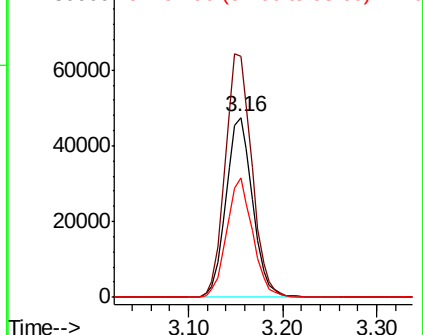


Abundance

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: 49.291 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion: 45 Resp: 301032

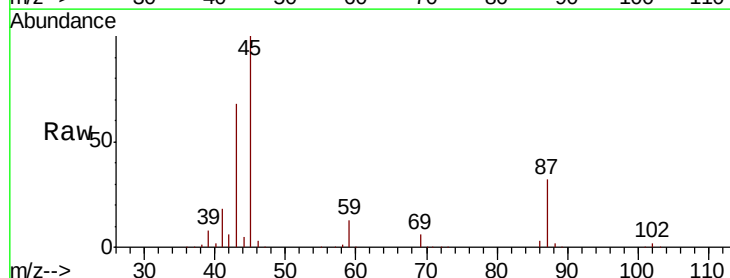
Ion Ratio Lower Upper

45 100

43 67.4 51.4 77.0

87 32.3 22.5 33.7

59 13.0 9.7 14.5



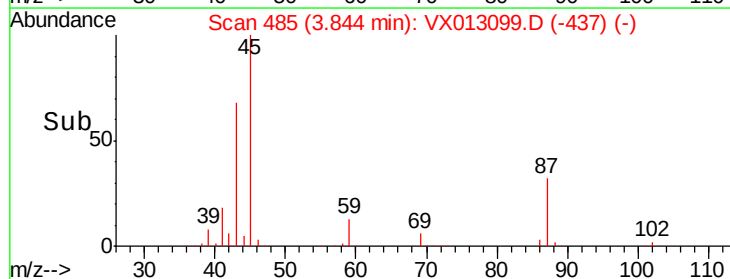
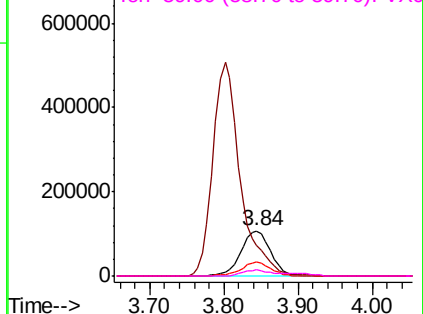
Abundance

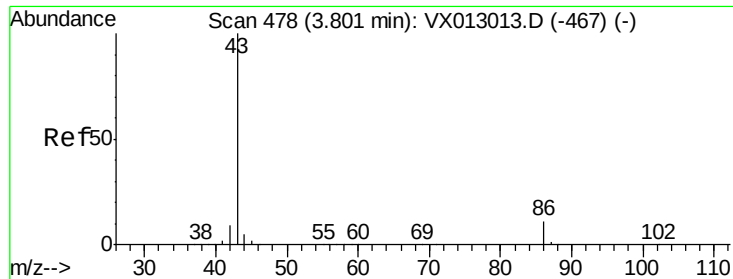
Ion 45.00 (44.70 to 45.70): VX0

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: 246.180 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

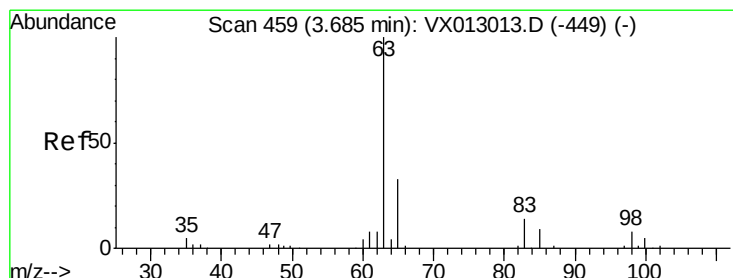
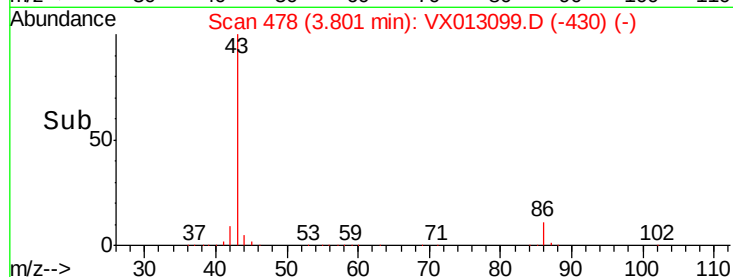
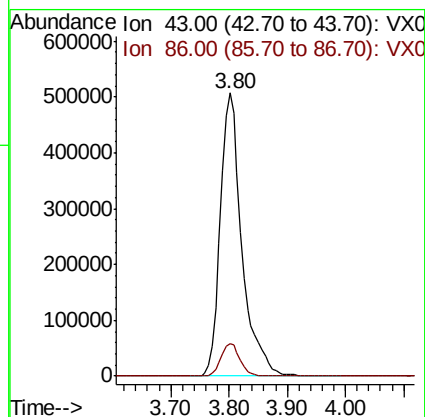
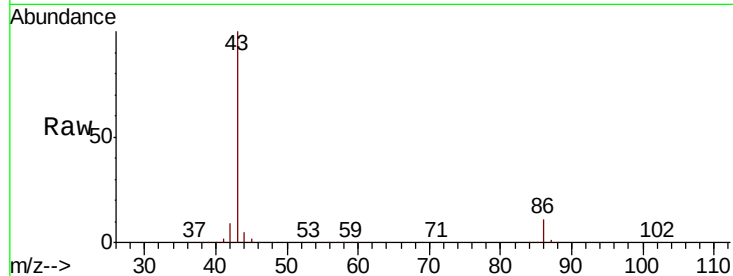
VSTDCCC050

Tot Ion: 43 Resp: 1297909

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.6



#24

1,1-Dichloroethane

Concen: 50.027 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

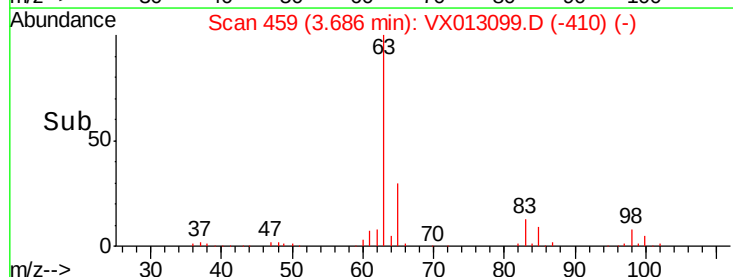
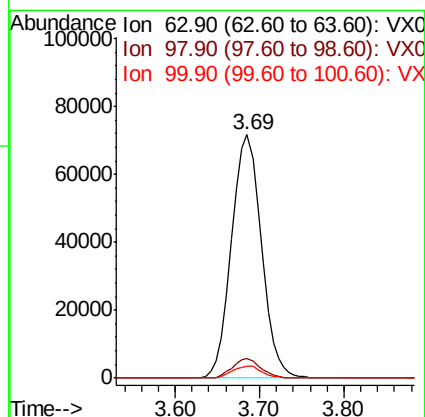
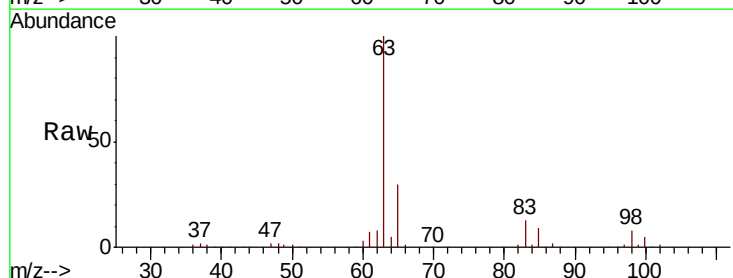
Tgt Ion: 63 Resp: 171883

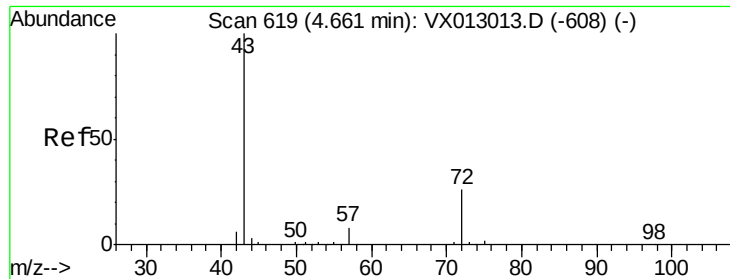
Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 233.953 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

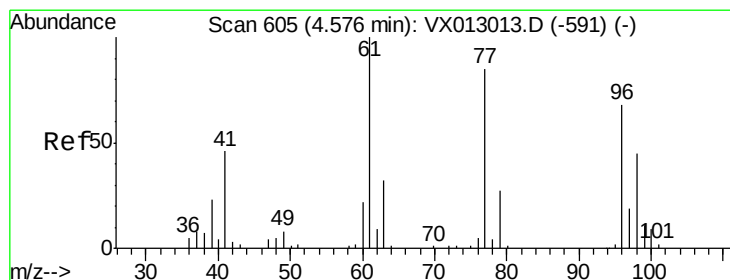
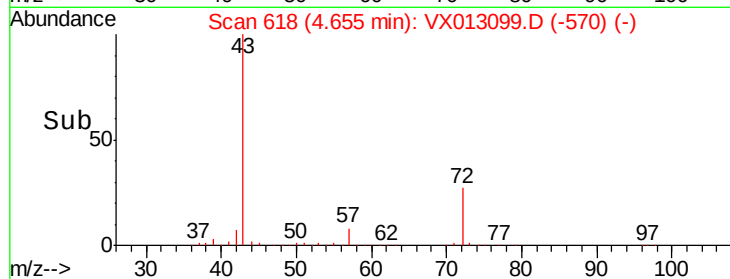
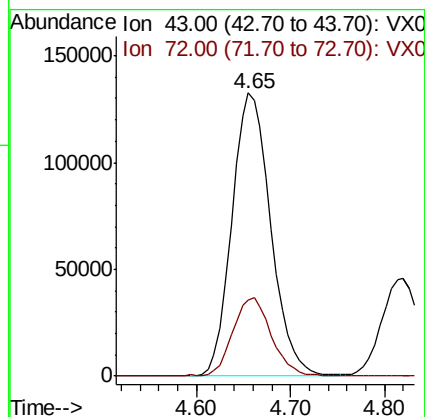
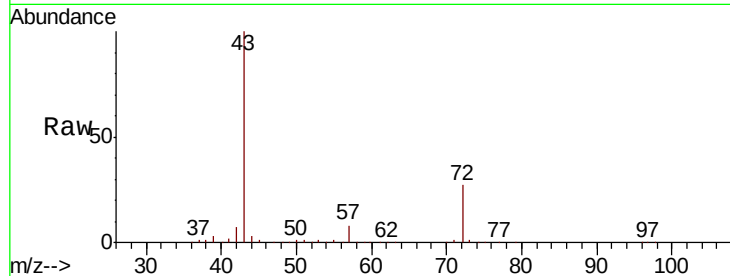
VSTDCCC050

Tot Ion: 43 Resp: 378700

Ion Ratio Lower Upper

43 100

72 26.8 21.0 31.6



#26

2,2-Dichloropropane

Concen: 53.688 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013099.D

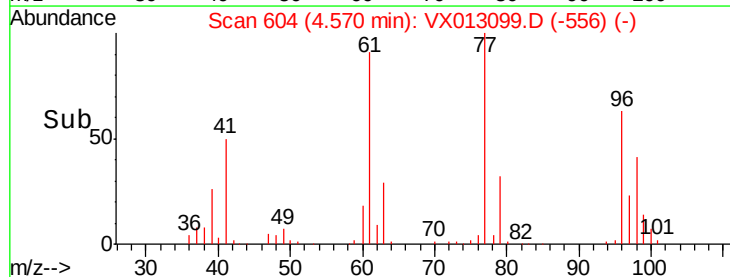
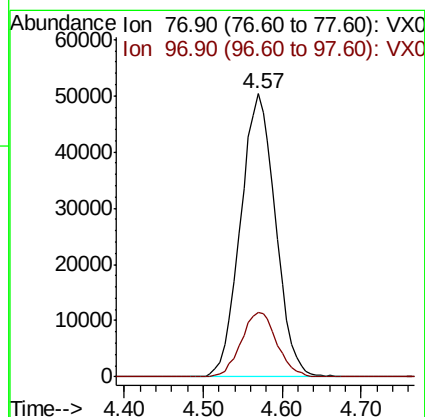
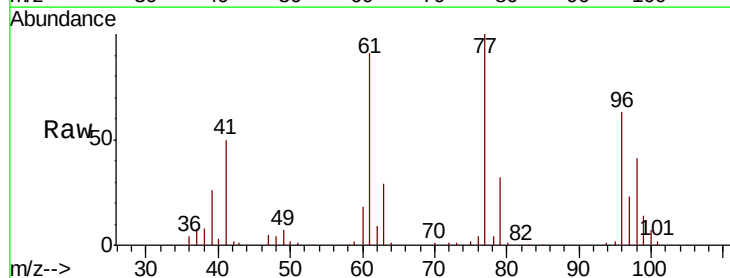
Acq: 17 Oct 2019 11:05

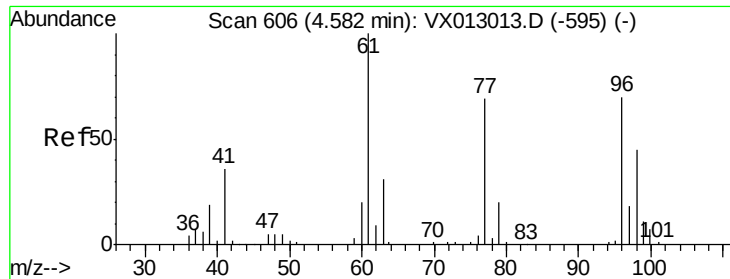
Tgt Ion: 77 Resp: 155115

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9



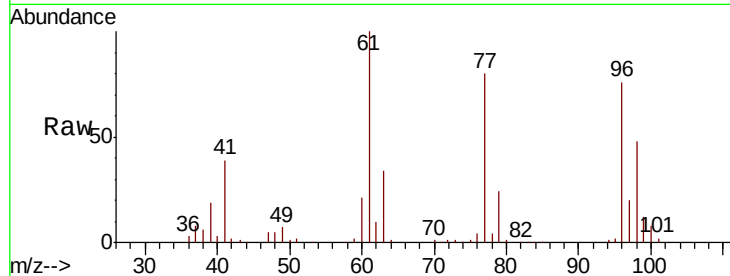


#27

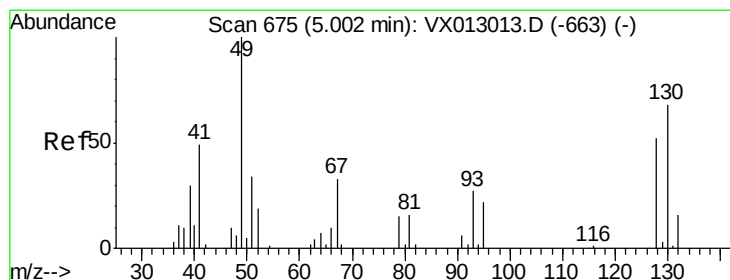
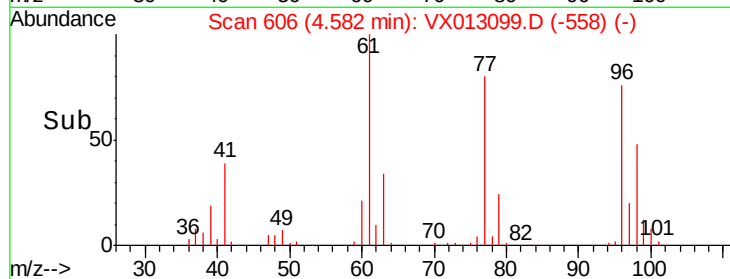
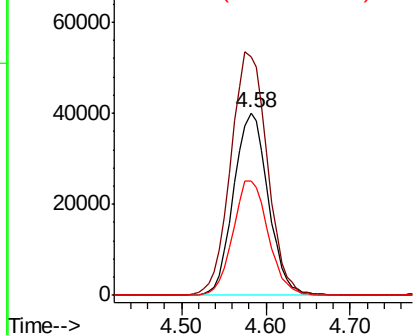
cis-1,2-Dichloroethene
 Concen: 50.229 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 111061
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 290.6
 98 64.1 0.0 128.8



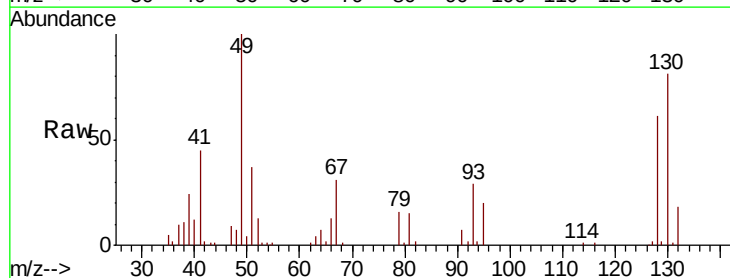
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



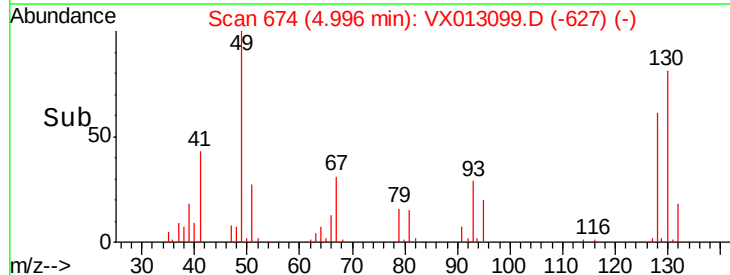
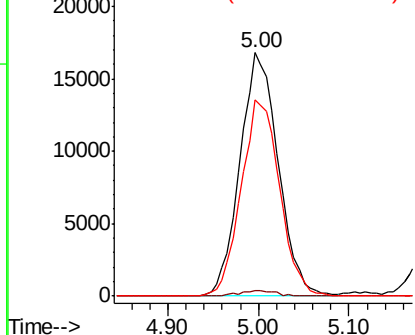
#28

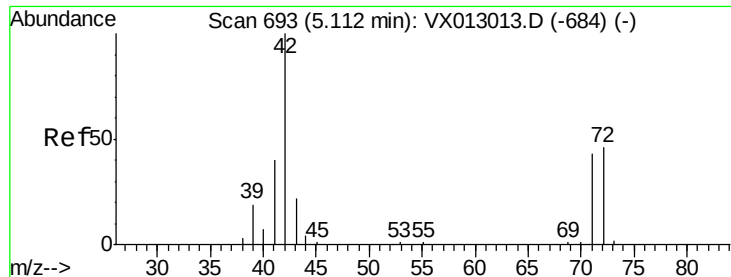
Bromochloromethane
 Concen: 48.004 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 49 Resp: 49308
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 80.9 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

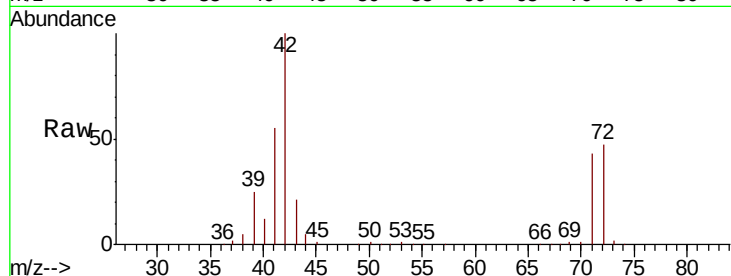




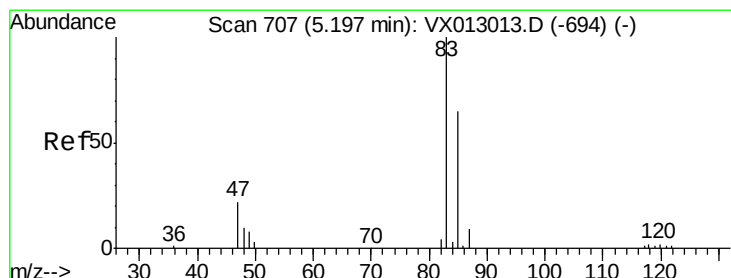
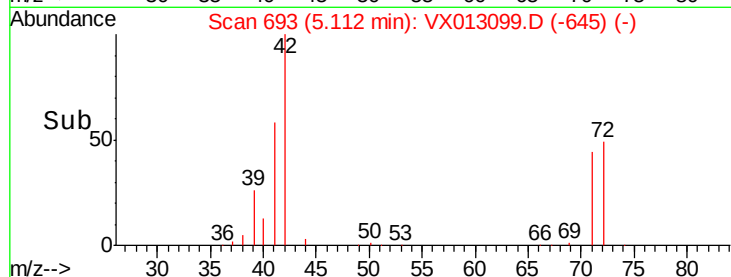
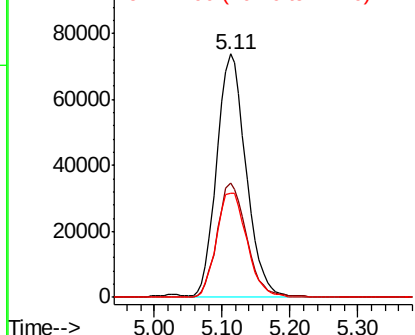
#29
Tetrahydrofuran
Concen: 221.696 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 220830
Ion Ratio Lower Upper
42 100
72 47.7 36.9 55.3
71 44.7 33.5 50.3

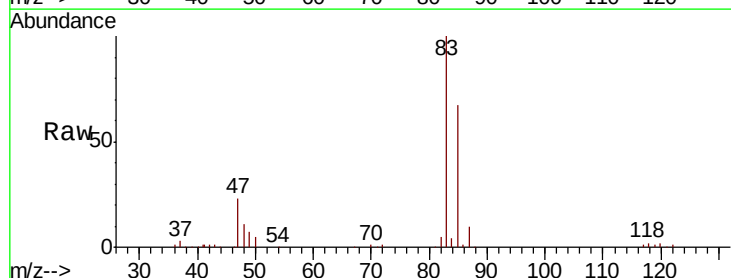


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

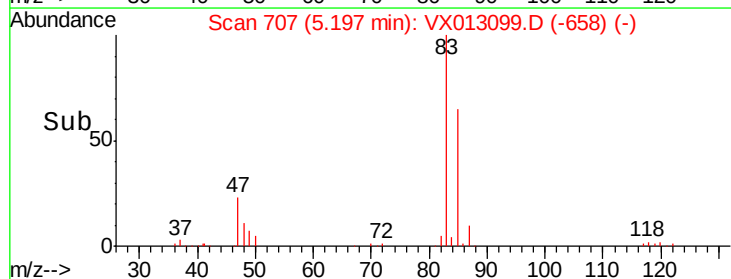
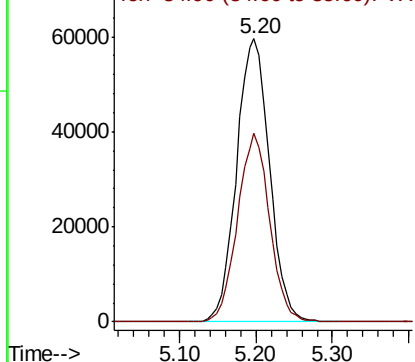


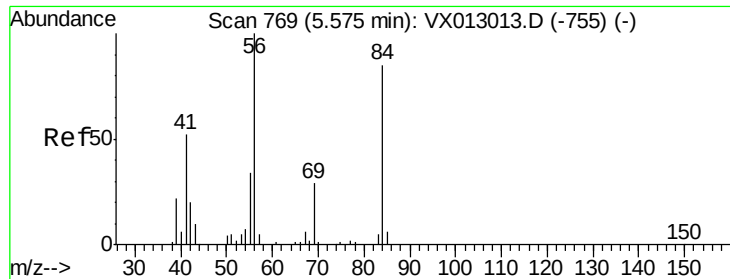
#30
Chloroform
Concen: 50.469 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 83 Resp: 177923
Ion Ratio Lower Upper
83 100
85 66.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

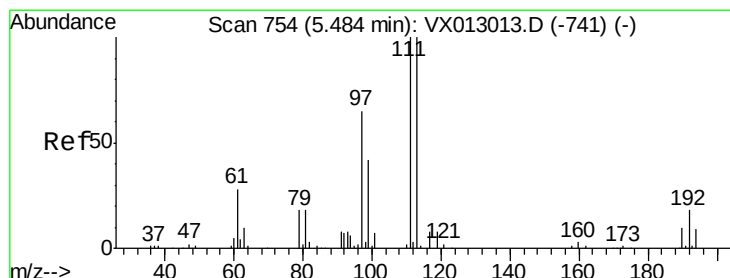
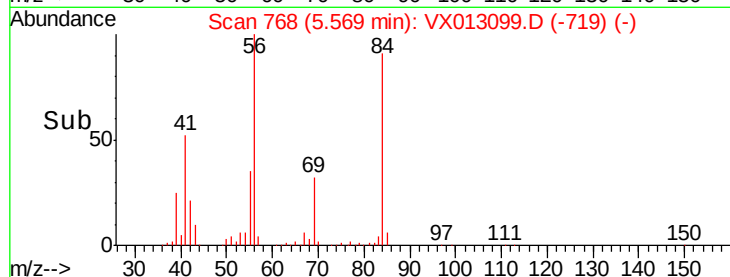
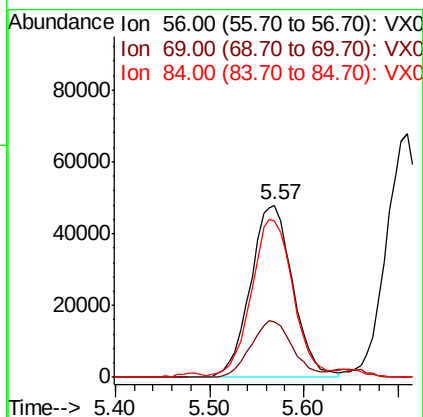
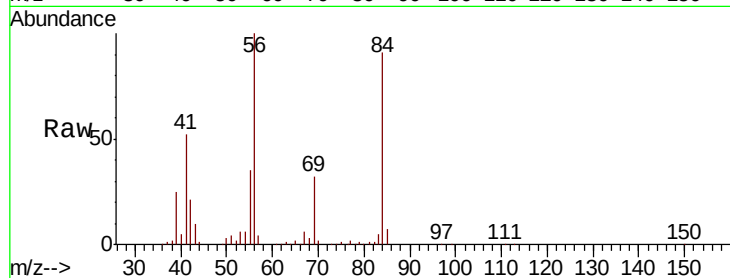




#31
Cyclohexane
Concen: 46.964 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

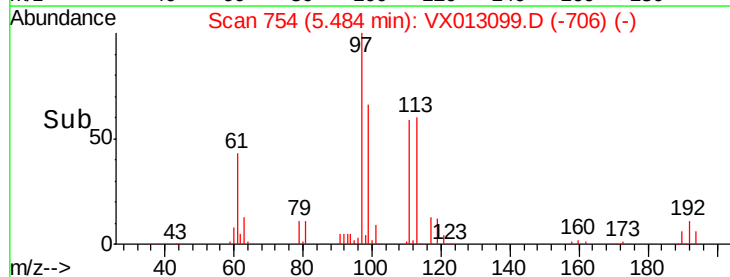
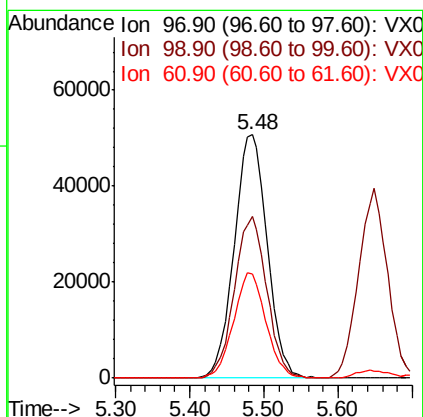
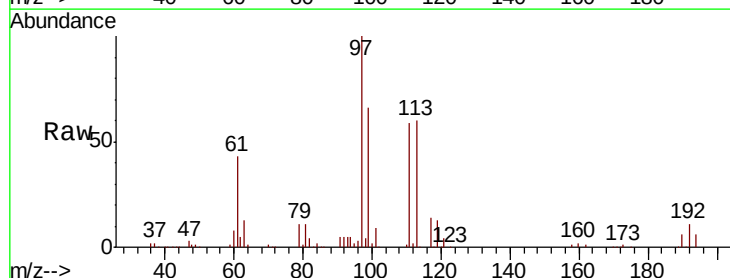
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

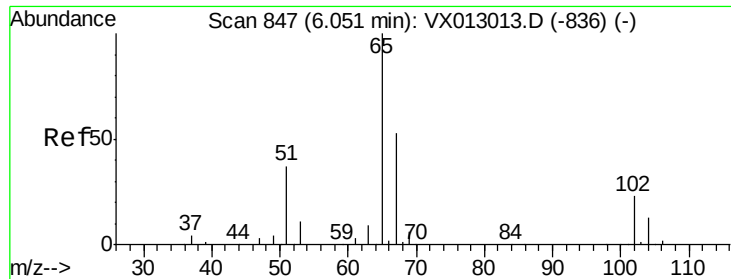
Tot Ion: 56 Resp: 150882
Ion Ratio Lower Upper
56 100
69 32.3 25.2 37.8
84 88.3 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 52.835 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 97 Resp: 157822
Ion Ratio Lower Upper
97 100
99 65.1 52.3 78.5
61 42.6 35.0 52.4

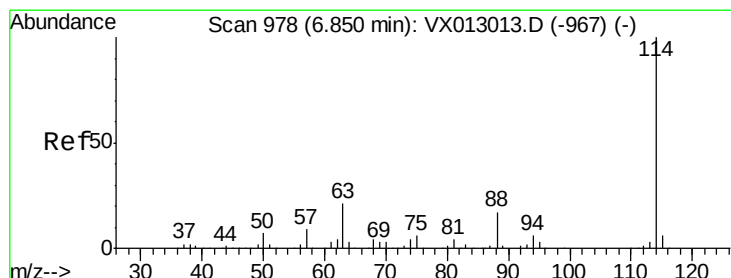
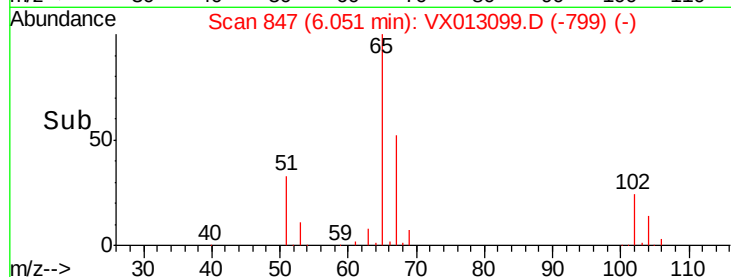
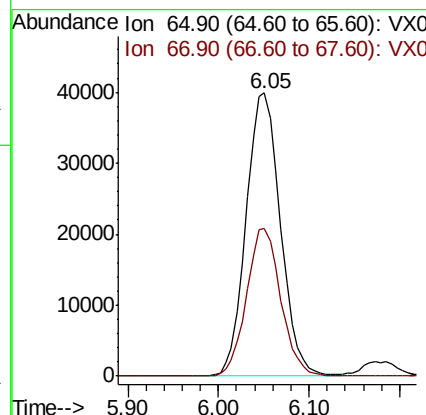
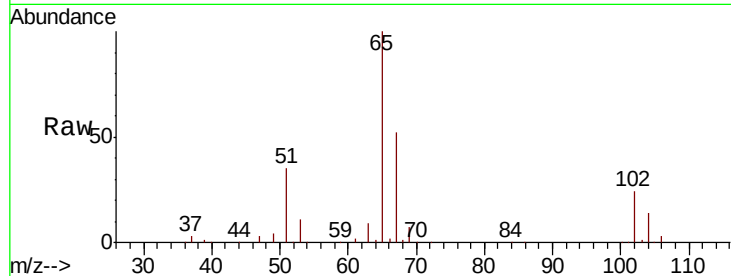




#33
 1,2-Dichloroethane-d4
 Concen: 47.285 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

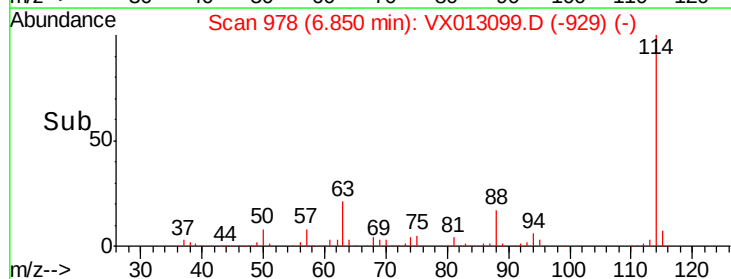
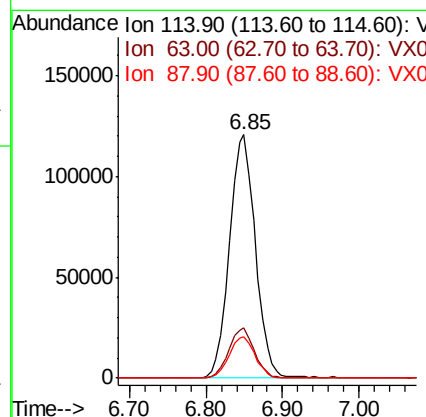
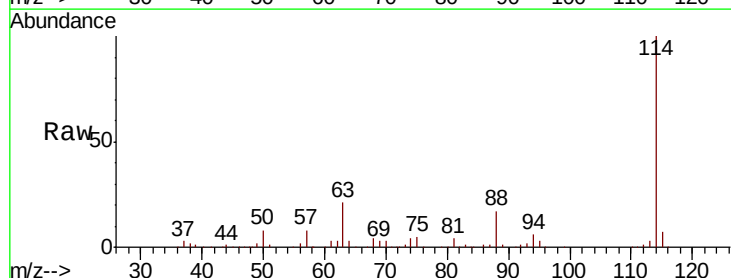
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

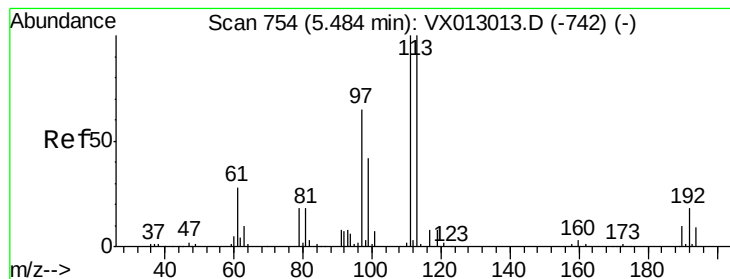
Tot Ion: 65 Resp: 104666
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 114 Resp: 282953
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.994 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

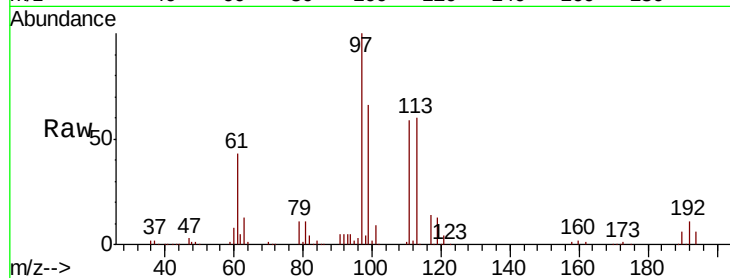
Tot Ion:113 Resp: 86063

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

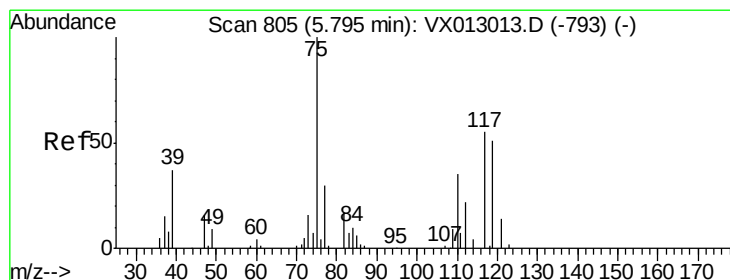
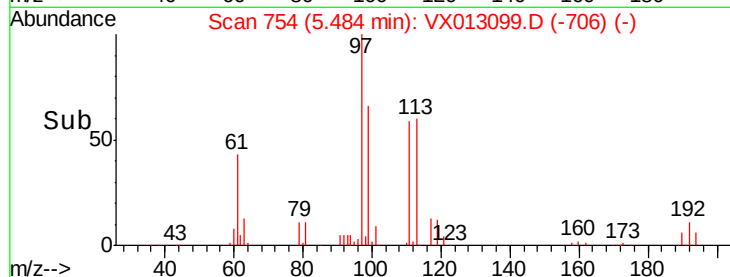
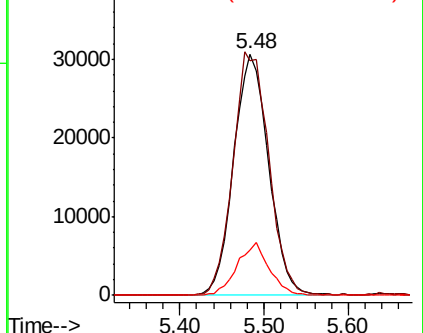
192 19.9 15.4 23.2



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: 53.004 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

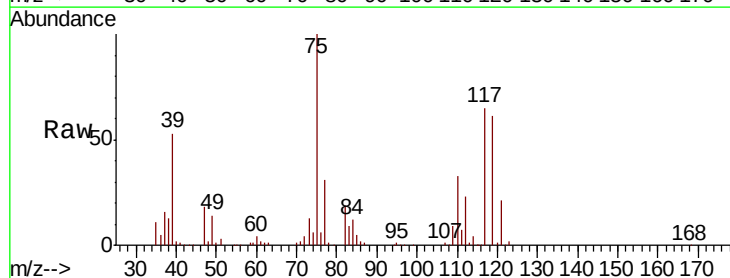
Tgt Ion: 75 Resp: 131860

Ion Ratio Lower Upper

75 100

110 36.1 17.6 52.9

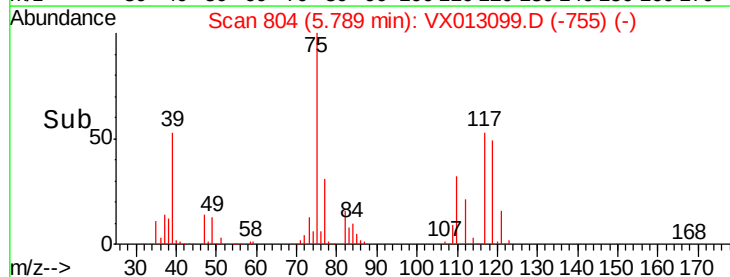
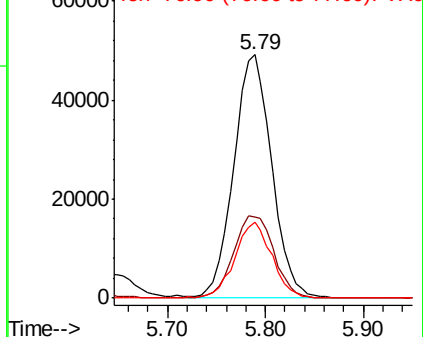
77 30.9 24.4 36.6

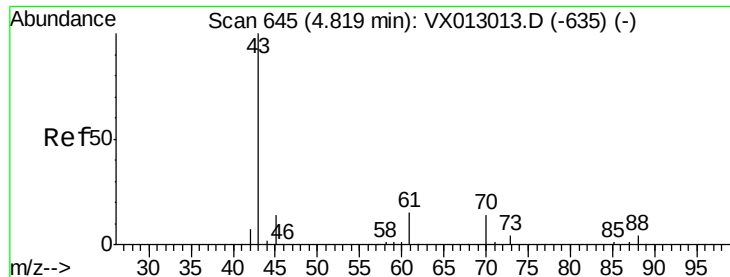


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.694 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

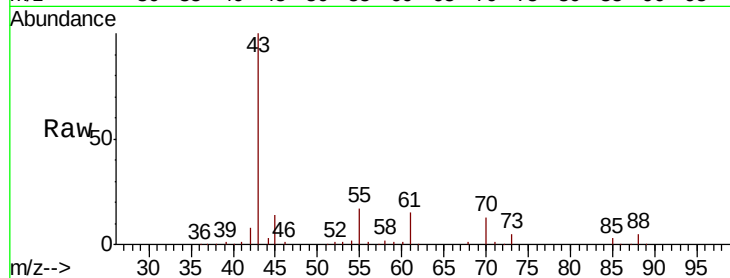
Tot Ion: 43 Resp: 132675

Ion Ratio Lower Upper

43 100

61 14.5 11.4 17.0

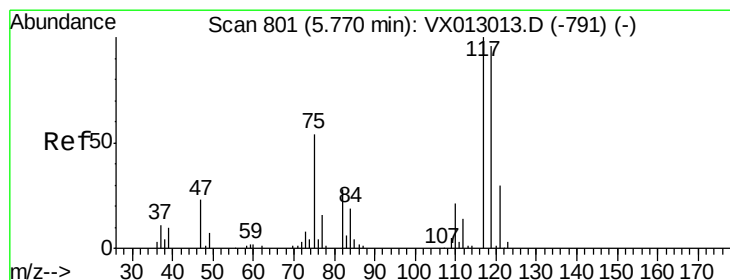
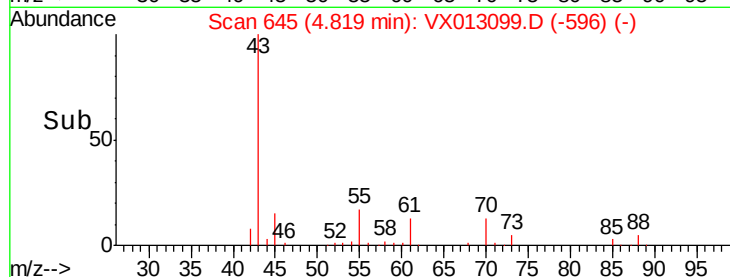
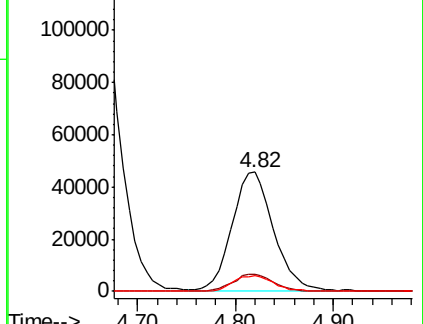
70 12.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 55.678 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

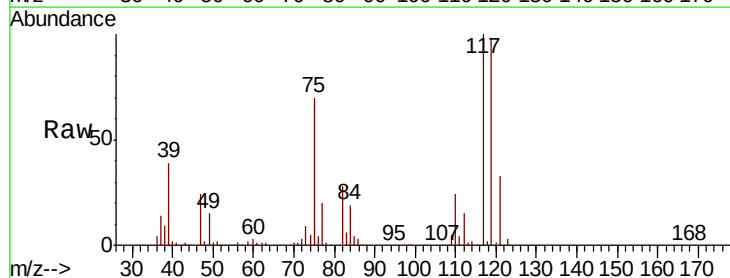
Tgt Ion: 117 Resp: 134819

Ion Ratio Lower Upper

117 100

119 97.7 74.5 111.7

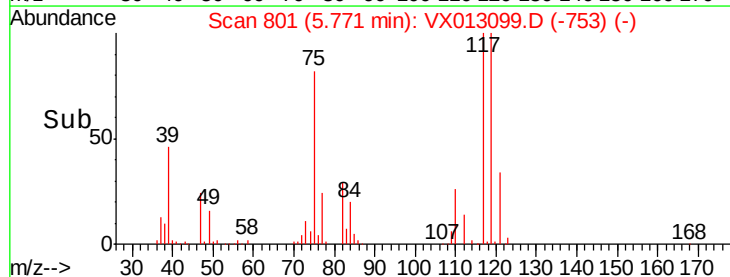
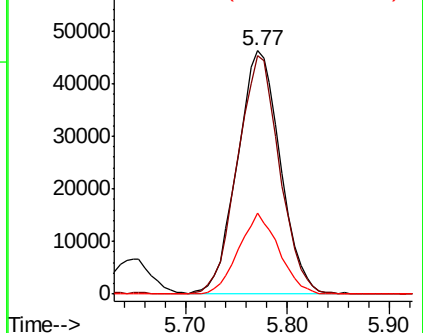
121 33.5 24.2 36.4

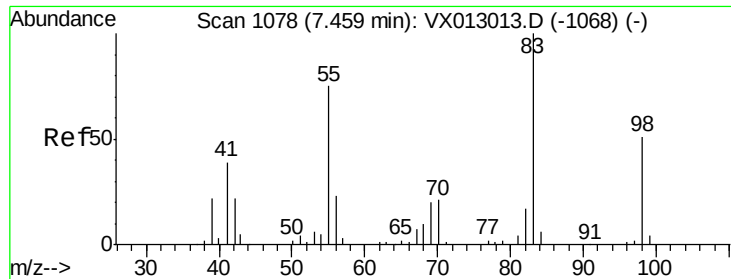


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

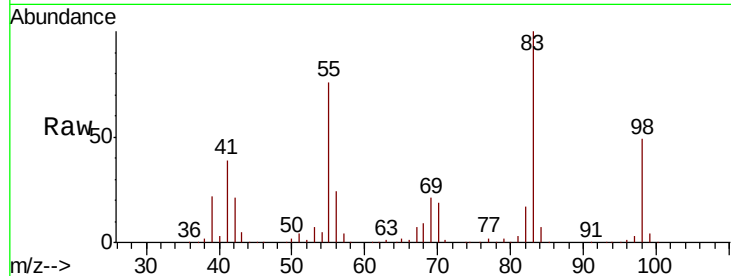




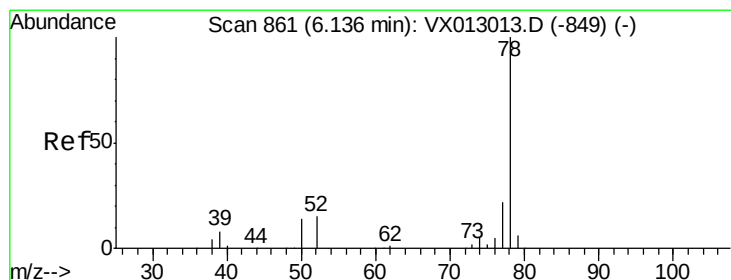
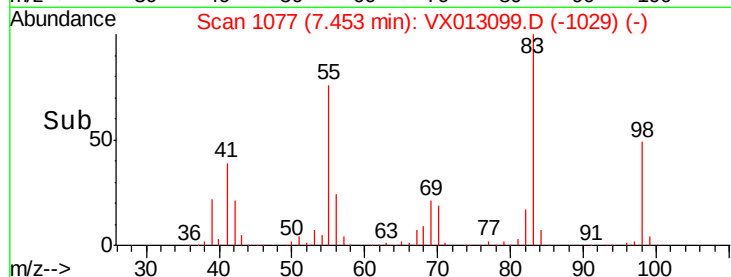
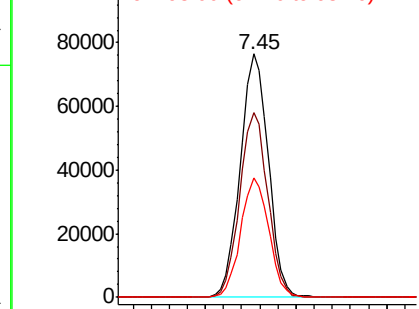
#39
Methylvlcyclohexane
Concen: 54.543 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 164553
Ion Ratio Lower Upper
83 100
55 75.7 60.2 90.4
98 49.2 38.5 57.7

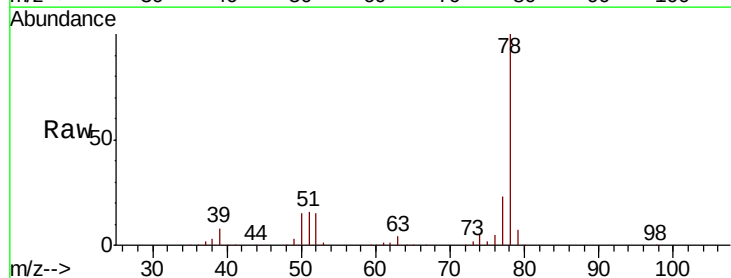


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

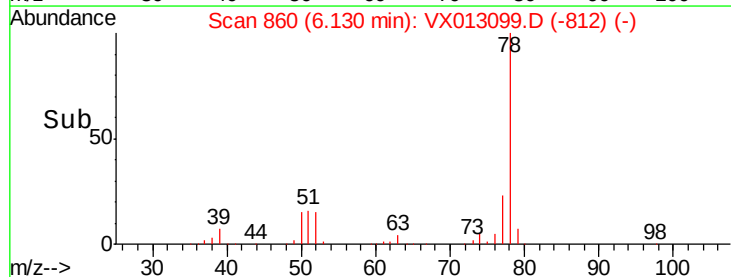
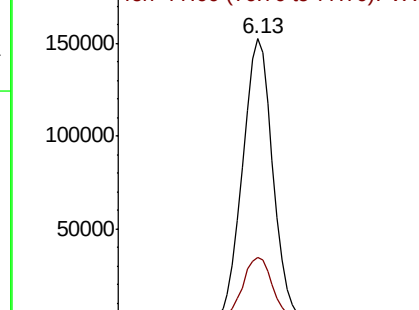


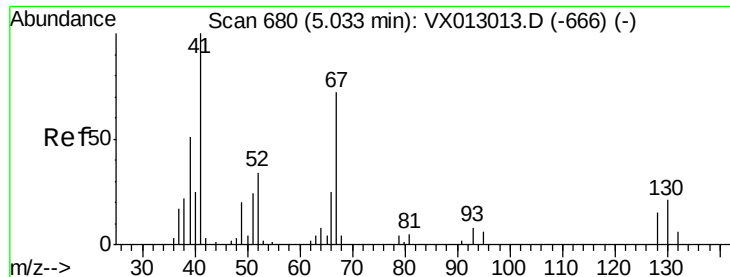
#40
Benzene
Concen: 53.640 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 78 Resp: 394125
Ion Ratio Lower Upper
78 100
77 23.0 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: 50.000 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 76427

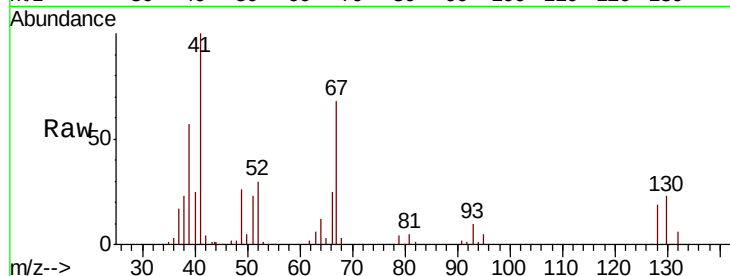
Ion Ratio Lower Upper

41 100

39 54.0 44.0 66.0

67 74.4 58.5 87.7

52 29.9 23.8 35.8

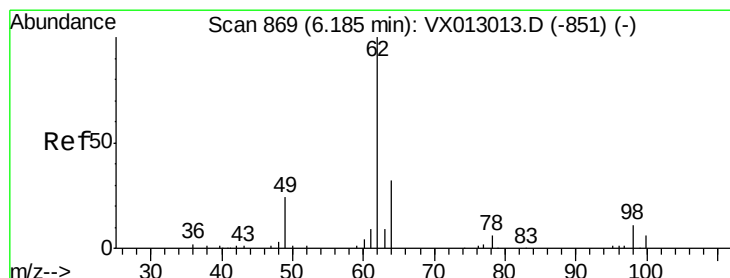
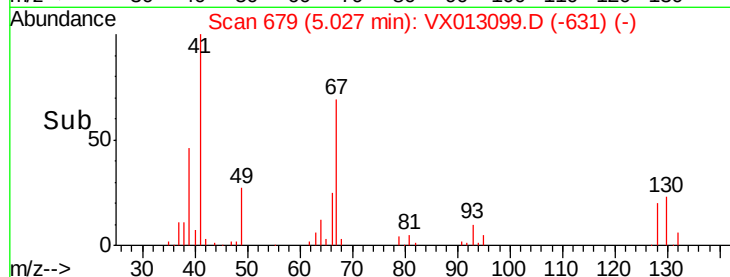
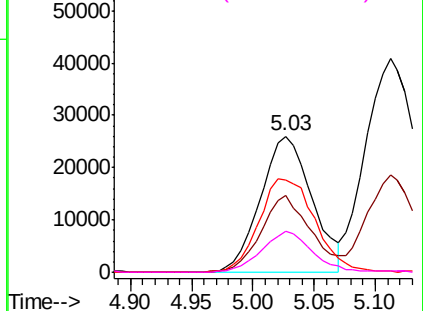


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 53.902 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013099.D

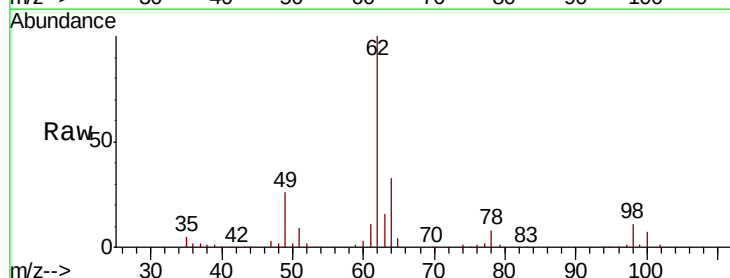
Acq: 17 Oct 2019 11:05

Tgt Ion: 62 Resp: 142114

Ion Ratio Lower Upper

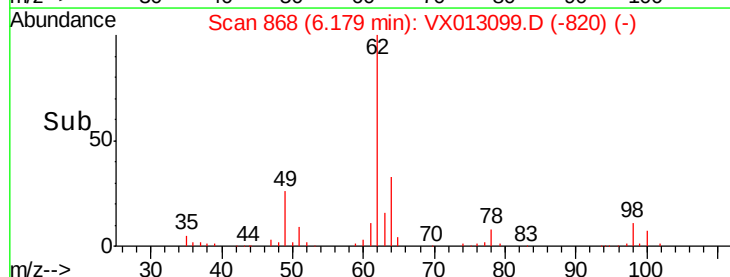
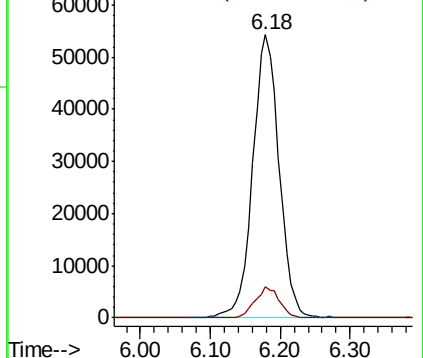
62 100

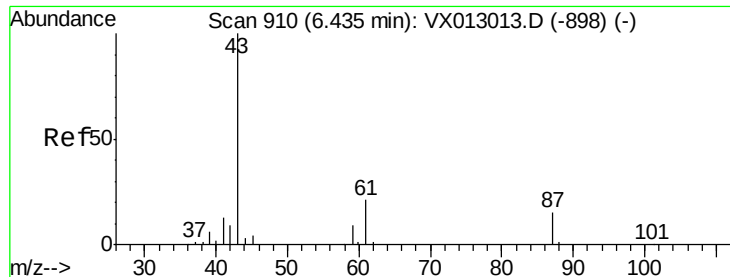
98 10.2 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.222 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

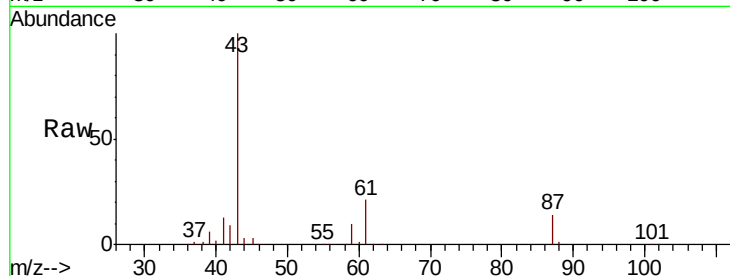
Tot Ion: 43 Resp: 228697

Ion Ratio Lower Upper

43 100

61 21.4 16.6 24.8

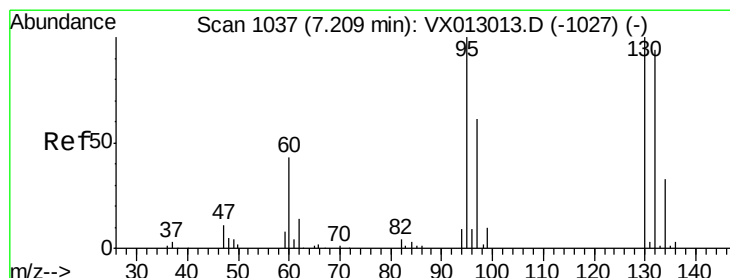
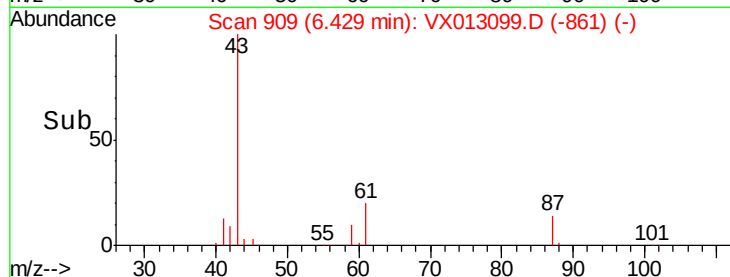
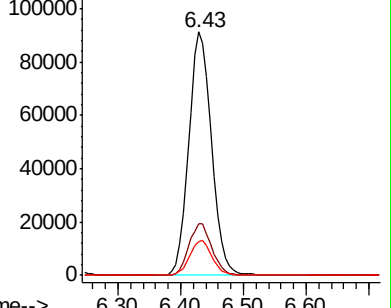
87 14.4 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX013013.D (-898) (-)

Ion 61.00 (60.70 to 61.70): VX013013.D (-898) (-)

Ion 87.00 (86.70 to 87.70): VX013013.D (-898) (-)



#44

Trichloroethene

Concen: 52.162 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013099.D

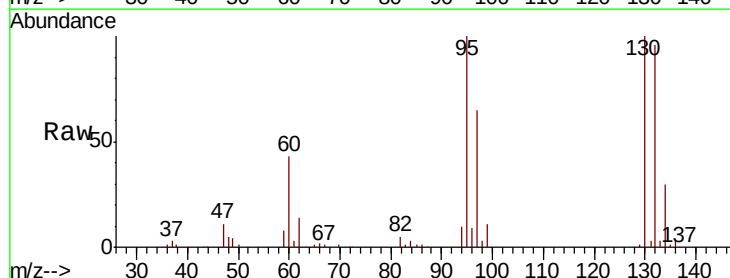
Acq: 17 Oct 2019 11:05

Tgt Ion: 130 Resp: 106280

Ion Ratio Lower Upper

130 100

95 99.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VX013013.D (-1027) (-)

Ion 94.90 (94.60 to 95.60): VX013013.D (-1027) (-)

Ion 130.00 (129.70 to 130.30): VX013013.D (-1027) (-)

Ion 137.00 (136.70 to 137.30): VX013013.D (-1027) (-)

Ion 139.00 (138.70 to 139.30): VX013013.D (-1027) (-)

Ion 141.00 (140.70 to 141.30): VX013013.D (-1027) (-)

Ion 143.00 (142.70 to 143.30): VX013013.D (-1027) (-)

Ion 145.00 (144.70 to 145.30): VX013013.D (-1027) (-)

Ion 147.00 (146.70 to 147.30): VX013013.D (-1027) (-)

Ion 149.00 (148.70 to 149.30): VX013013.D (-1027) (-)

Ion 151.00 (150.70 to 151.30): VX013013.D (-1027) (-)

Ion 153.00 (152.70 to 153.30): VX013013.D (-1027) (-)

Ion 155.00 (154.70 to 155.30): VX013013.D (-1027) (-)

Ion 157.00 (156.70 to 157.30): VX013013.D (-1027) (-)

Ion 159.00 (158.70 to 159.30): VX013013.D (-1027) (-)

Ion 161.00 (160.70 to 161.30): VX013013.D (-1027) (-)

Ion 163.00 (162.70 to 163.30): VX013013.D (-1027) (-)

Ion 165.00 (164.70 to 165.30): VX013013.D (-1027) (-)

Ion 167.00 (166.70 to 167.30): VX013013.D (-1027) (-)

Ion 169.00 (168.70 to 169.30): VX013013.D (-1027) (-)

Ion 171.00 (170.70 to 171.30): VX013013.D (-1027) (-)

Ion 173.00 (172.70 to 173.30): VX013013.D (-1027) (-)

Ion 175.00 (174.70 to 175.30): VX013013.D (-1027) (-)

Ion 177.00 (176.70 to 177.30): VX013013.D (-1027) (-)

Ion 179.00 (178.70 to 179.30): VX013013.D (-1027) (-)

Ion 181.00 (180.70 to 181.30): VX013013.D (-1027) (-)

Ion 183.00 (182.70 to 183.30): VX013013.D (-1027) (-)

Ion 185.00 (184.70 to 185.30): VX013013.D (-1027) (-)

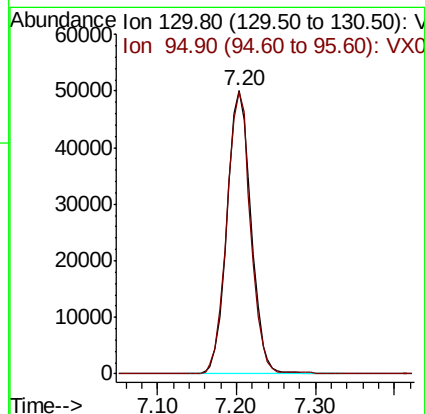
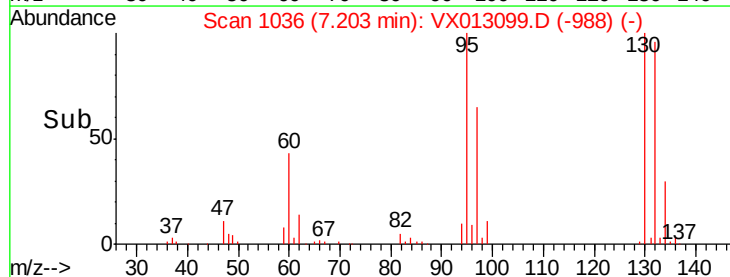
Ion 187.00 (186.70 to 187.30): VX013013.D (-1027) (-)

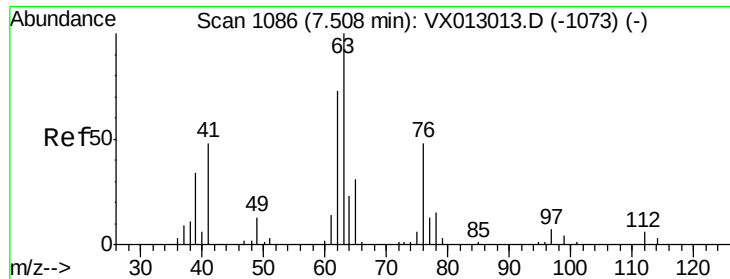
Ion 189.00 (188.70 to 189.30): VX013013.D (-1027) (-)

Ion 191.00 (190.70 to 191.30): VX013013.D (-1027) (-)

Ion 193.00 (192.70 to 193.30): VX013013.D (-1027) (-)

Ion 195.00 (194.70 to 195.30): VX013013.D (-1027) (-)

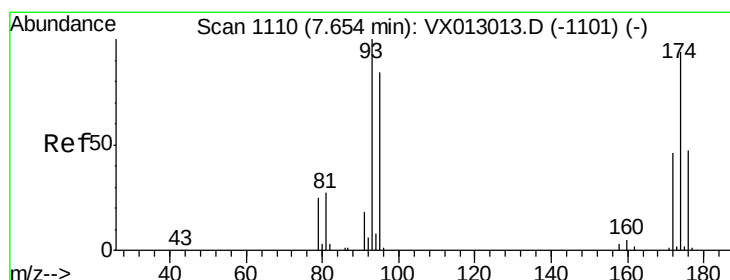
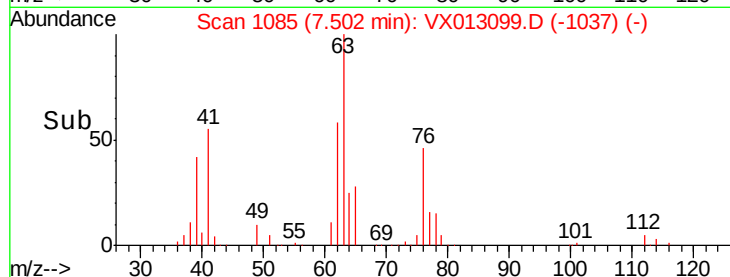
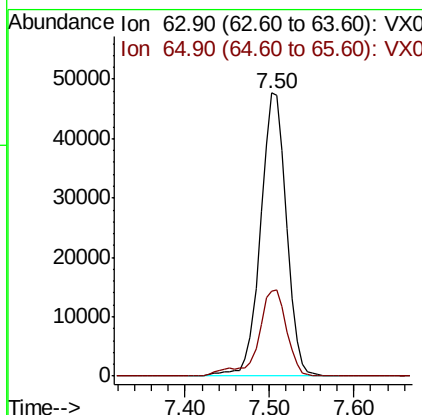
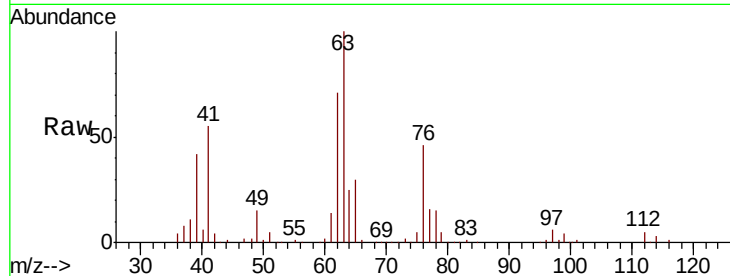




#45
 1,2-Dichloropropane
 Concen: 54.029 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

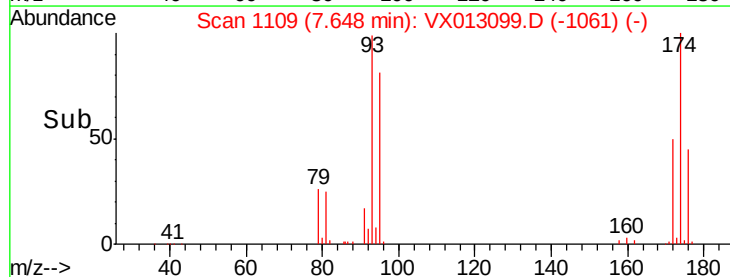
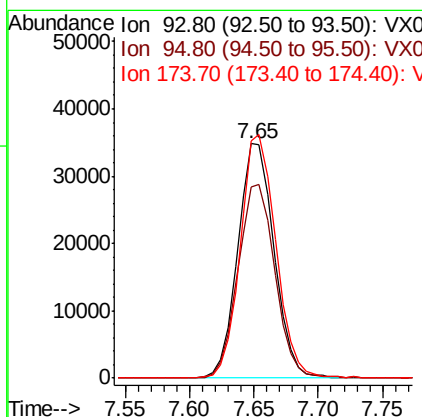
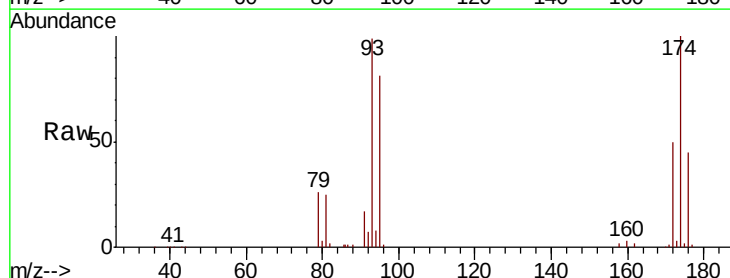
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

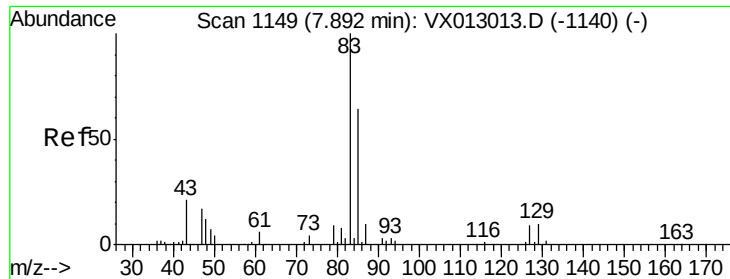
Tot Ion: 63 Resp: 101177
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#46
 Dibromomethane
 Concen: 54.471 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 93 Resp: 67962
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.3 99.5
 174 101.7 77.8 116.6





#47

Bromodichloromethane

Concen: 58.173 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

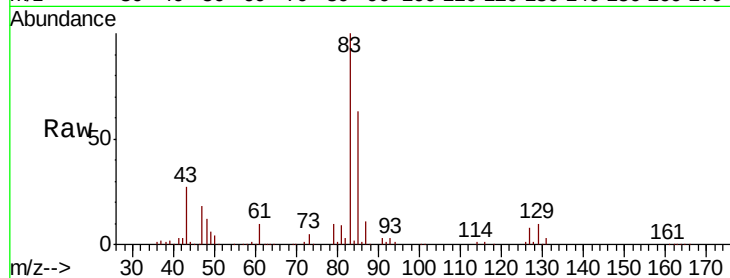
Tot Ion: 83 Resp: 141643

Ion Ratio Lower Upper

83 100

85 62.9 52.4 78.6

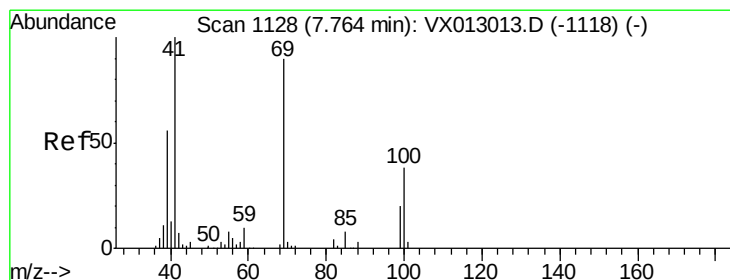
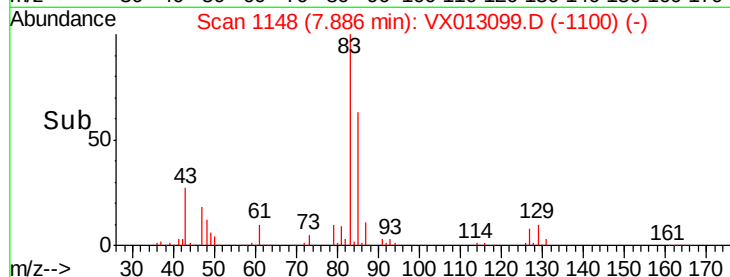
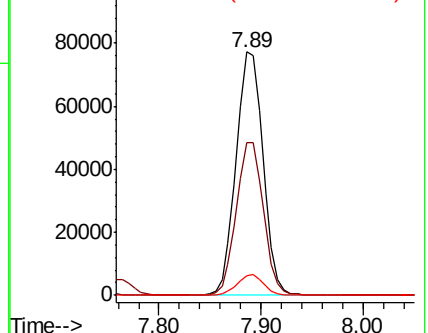
127 8.0 6.6 10.0



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): VX0



#48

Methyl methacrylate

Concen: 50.853 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

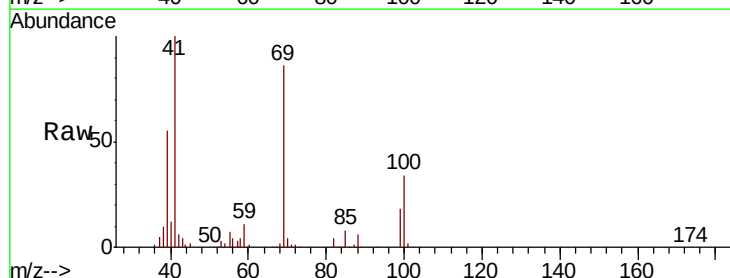
Tgt Ion: 41 Resp: 110643

Ion Ratio Lower Upper

41 100

69 86.5 68.7 103.1

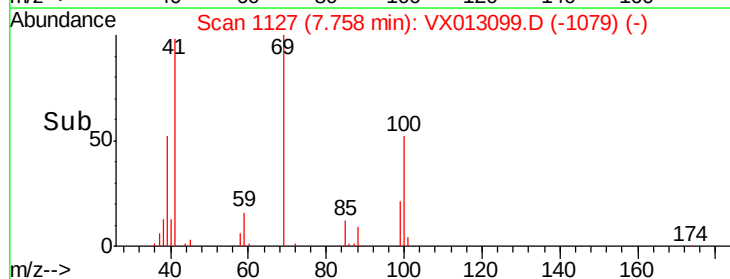
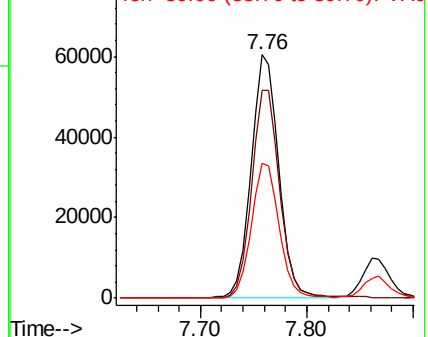
39 55.7 44.3 66.5

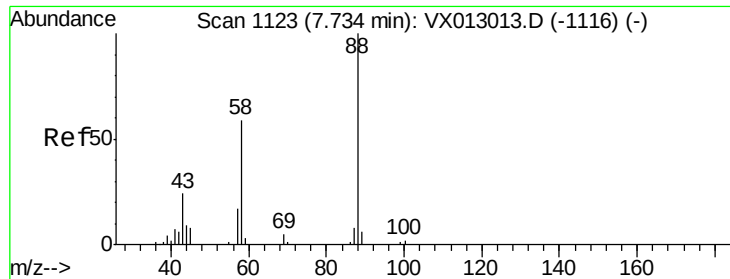


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

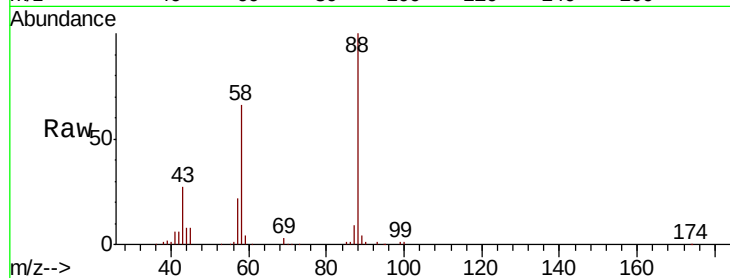




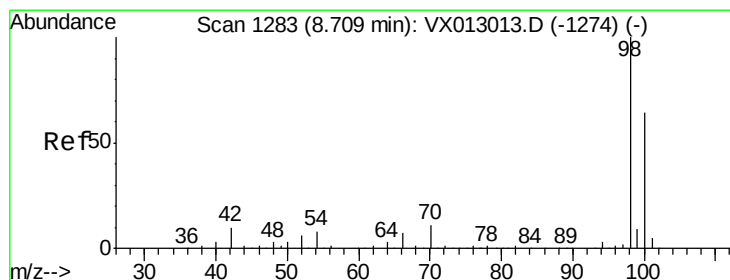
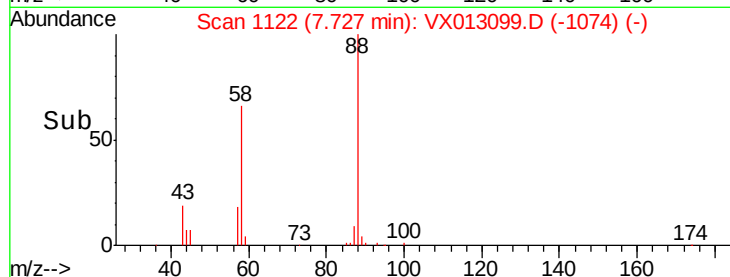
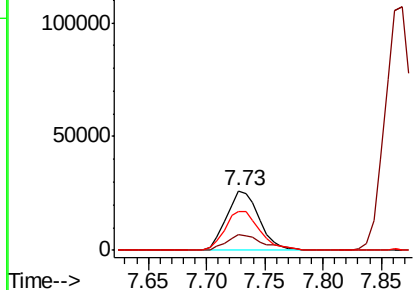
#49
1,4-Dioxane
Concen: 879.447 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 51093
Ion Ratio Lower Upper
88 100
43 31.2 25.0 37.6
58 69.8 55.4 83.2

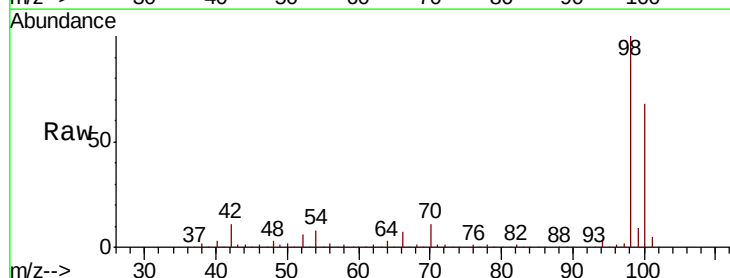


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

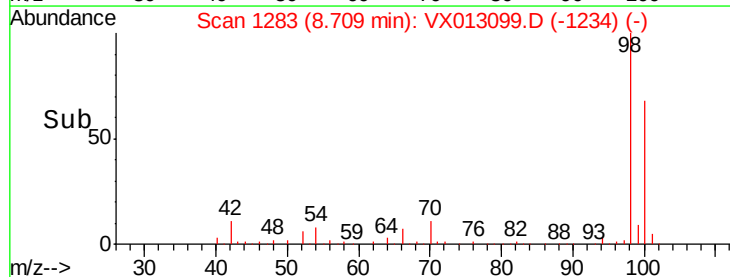
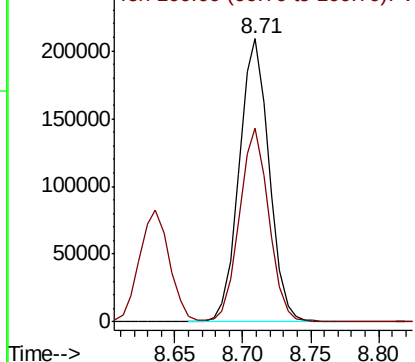


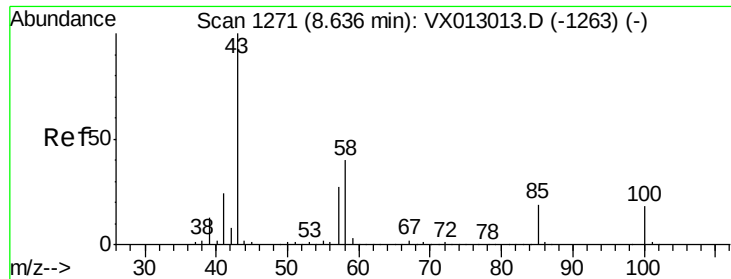
#50
Toluene-d8
Concen: 50.720 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 98 Resp: 321261
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 250.718 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

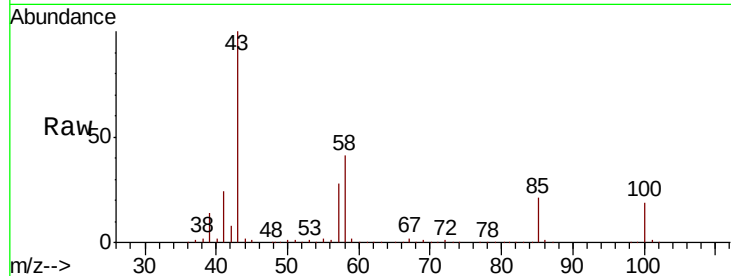
VSTDCCC050

Tot Ion: 43 Resp: 697929

Ion Ratio Lower Upper

43 100

58 41.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

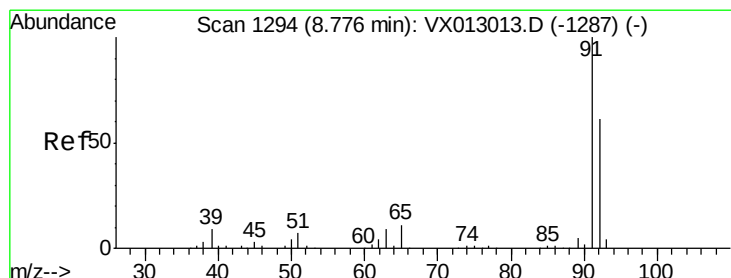
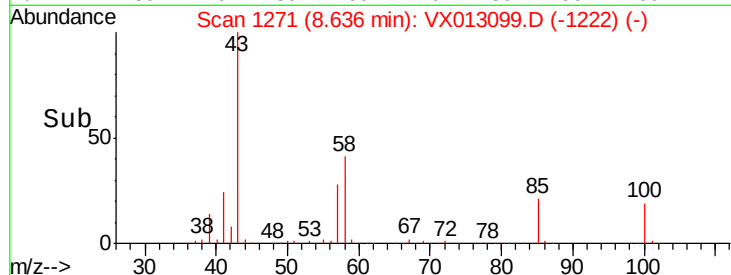
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.935 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013099.D

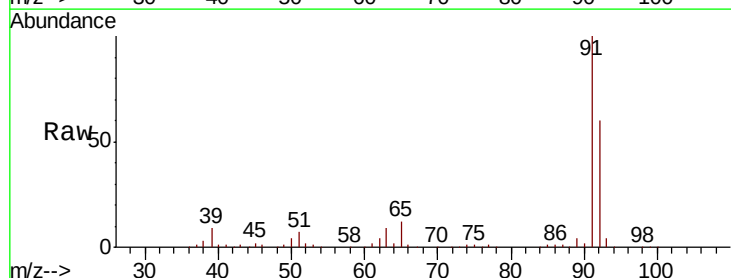
Acq: 17 Oct 2019 11:05

Tgt Ion: 92 Resp: 253531

Ion Ratio Lower Upper

92 100

91 168.6 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

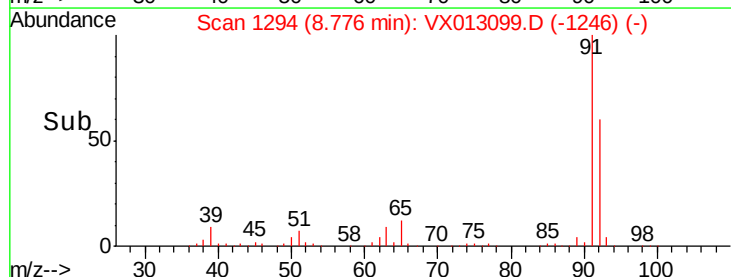
150000

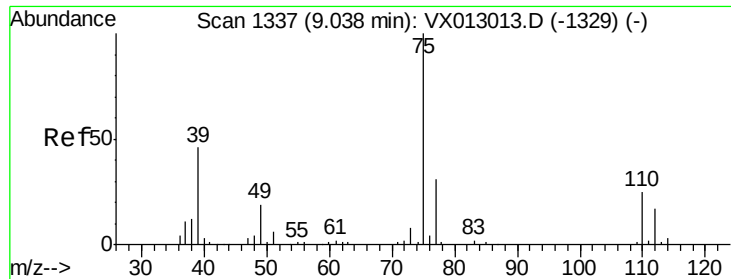
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.934 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

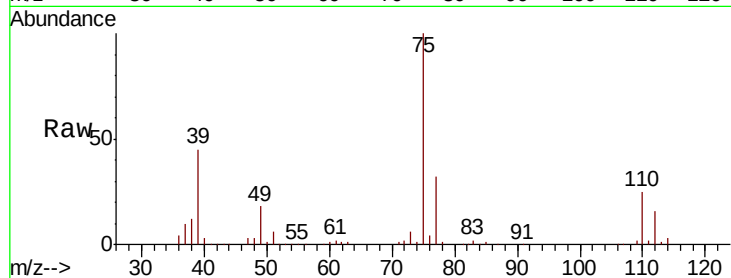
VSTDCCC050

Tot Ion: 75 Resp: 154897

Ion Ratio Lower Upper

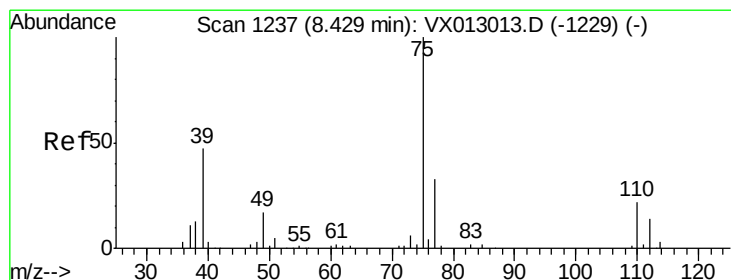
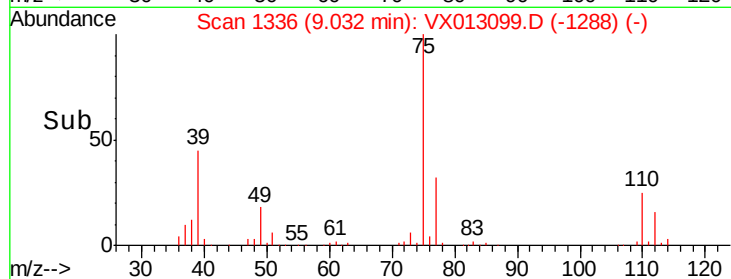
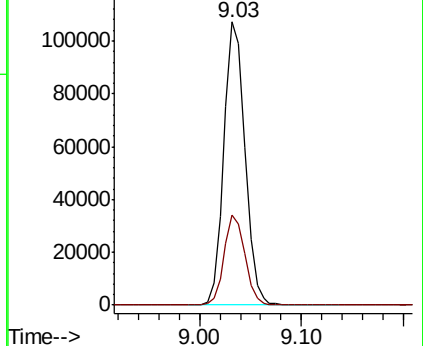
75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 56.647 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

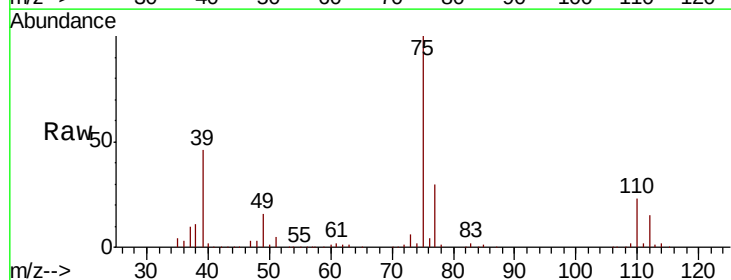
Tgt Ion: 75 Resp: 169639

Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8

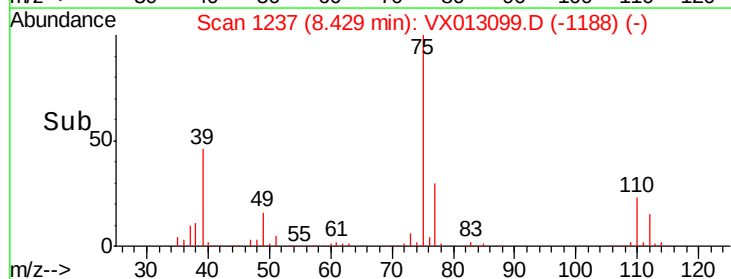
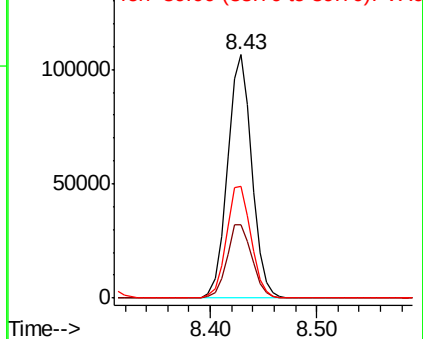
39 46.1 38.2 57.2

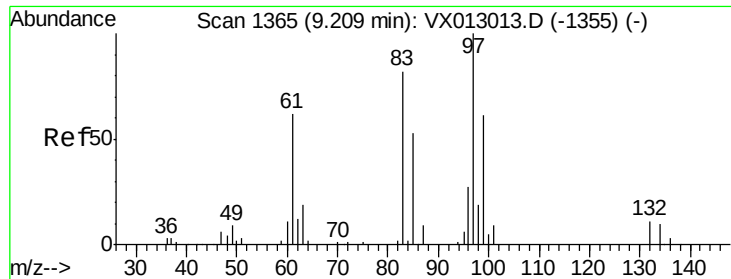


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

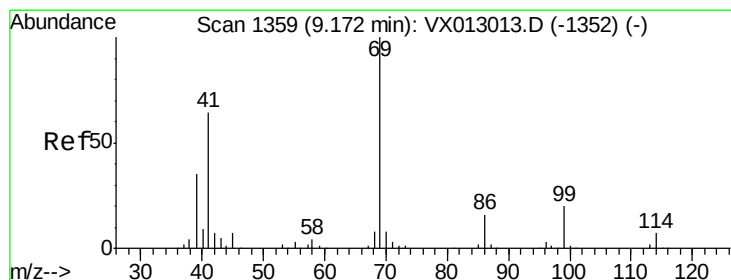
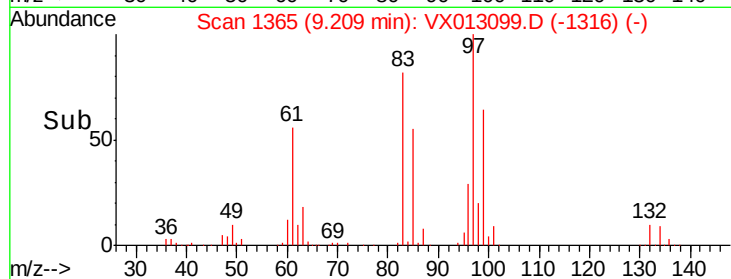
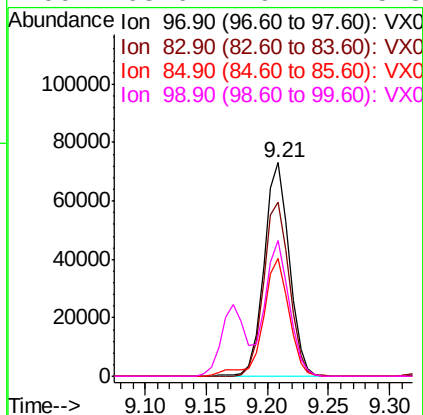
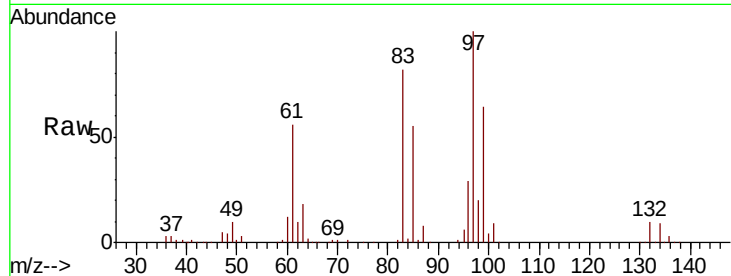




#55
 1,1,2-Trichloroethane
 Concen: 56.499 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

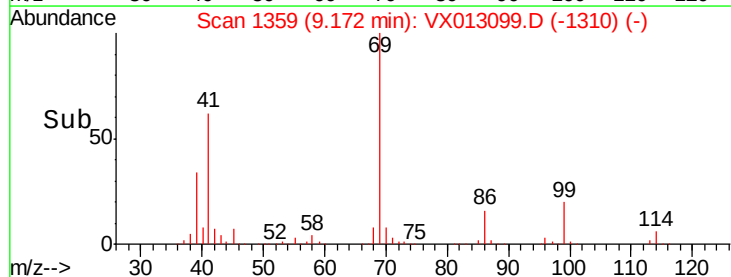
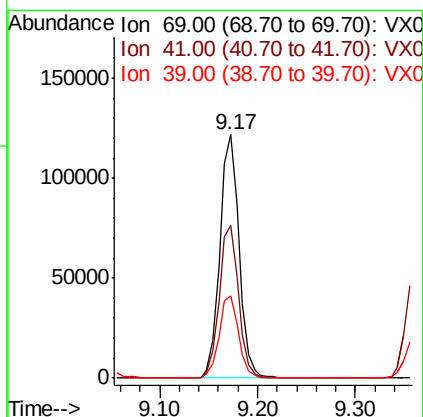
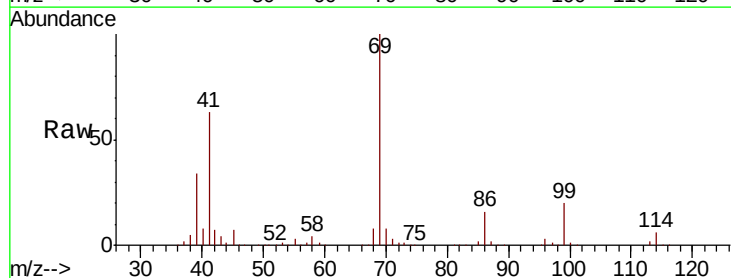
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

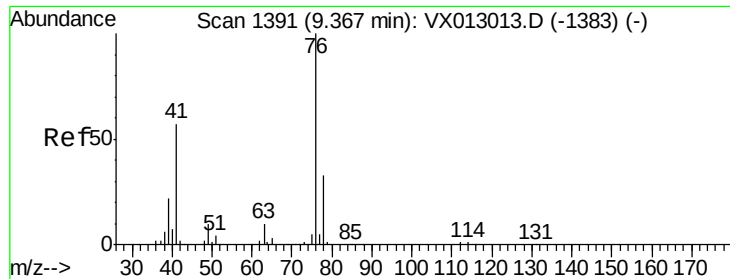
Tot Ion:	97	Resp:	105102
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.5	99.7
85	55.1	43.1	64.7
99	63.6	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 49.873 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion:	69	Resp:	166118
Ion	Ratio	Lower	Upper
69	100		
41	62.9	52.1	78.1
39	34.3	27.8	41.8





#57

1,3-Dichloropropane

Concen: 53.659 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

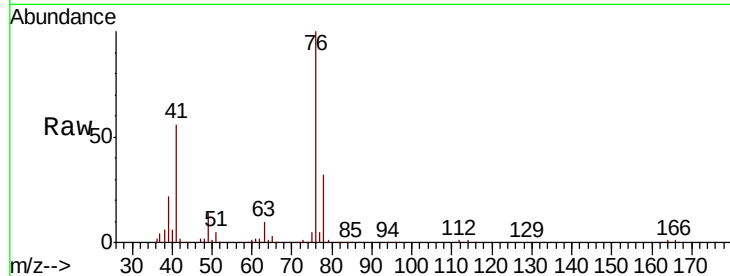
VSTDCCC050

Tot Ion: 76 Resp: 172670

Ion Ratio Lower Upper

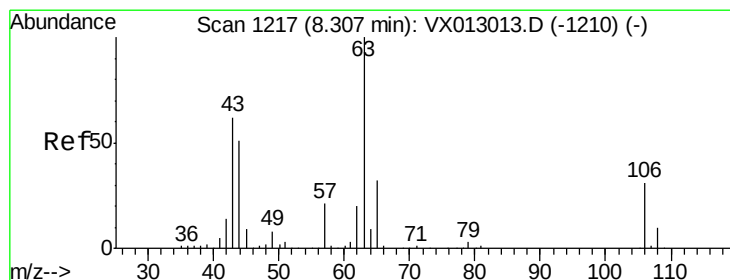
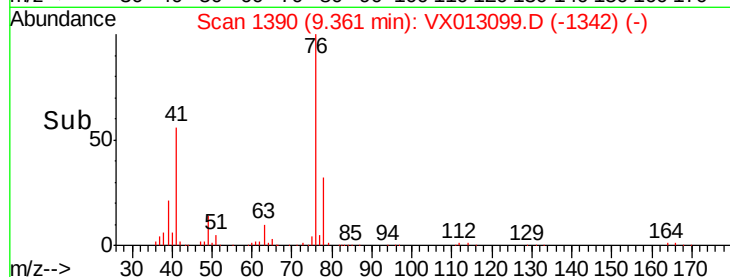
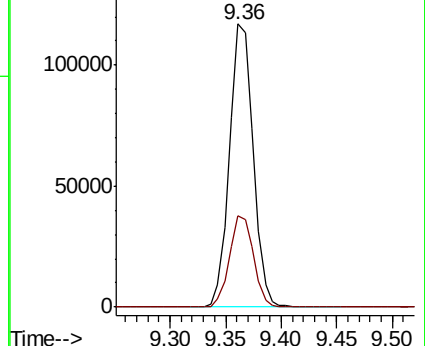
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.413 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013099.D

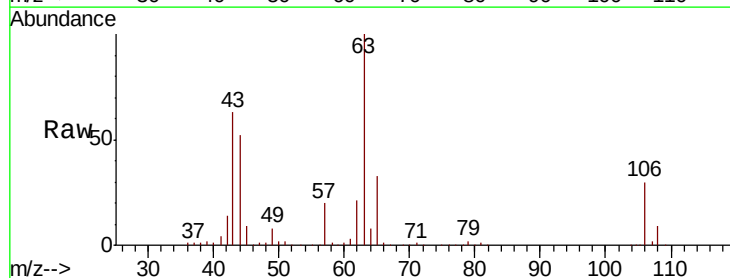
Acq: 17 Oct 2019 11:05

Tgt Ion: 63 Resp: 351776

Ion Ratio Lower Upper

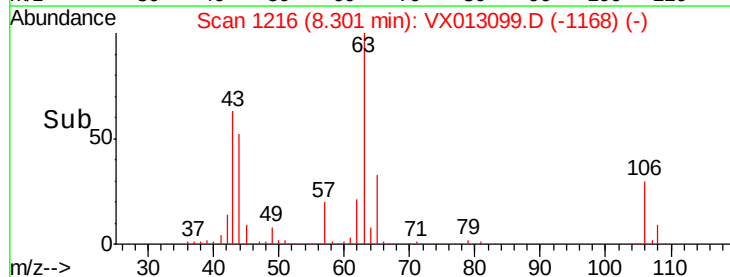
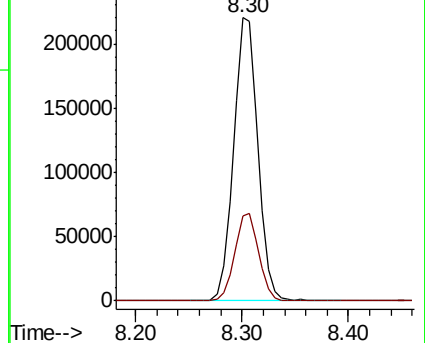
63 100

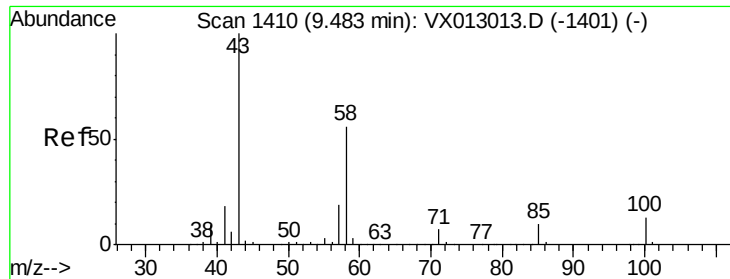
106 30.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

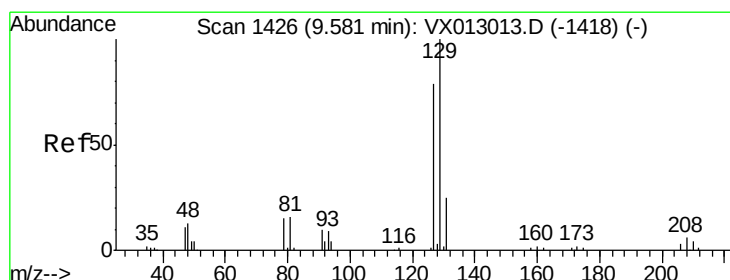
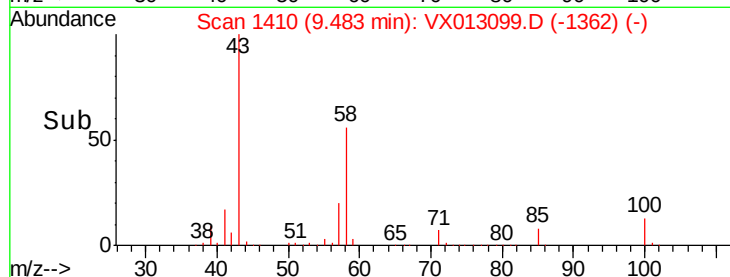
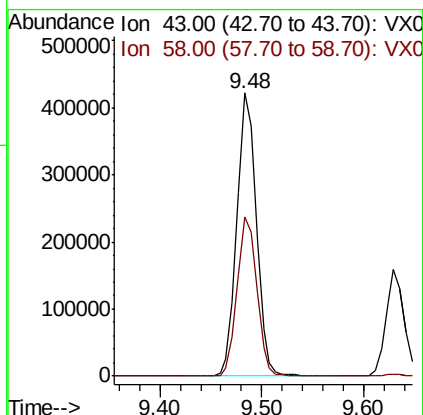
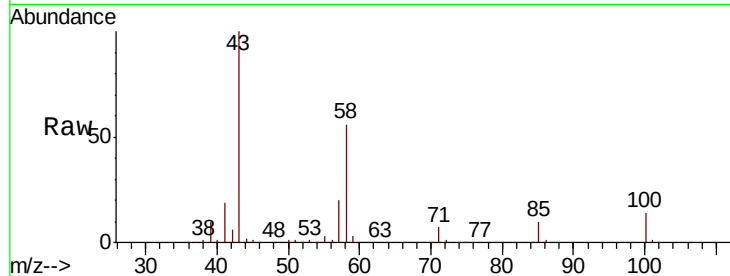




#59
2-Hexanone
Concen: 255.613 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

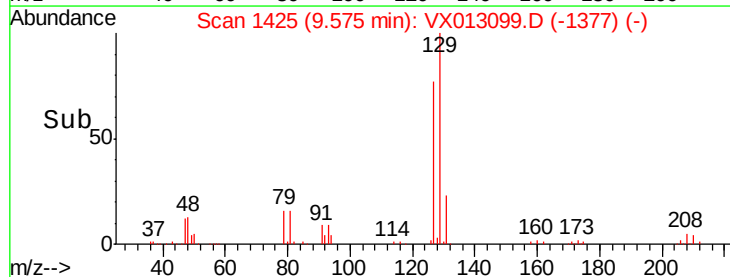
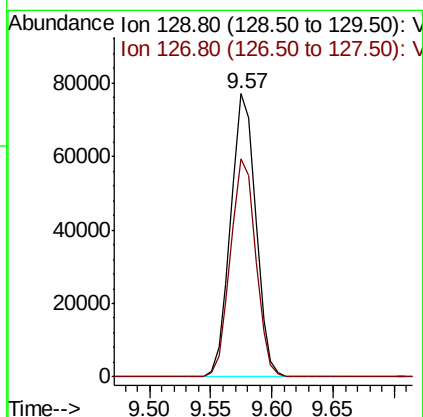
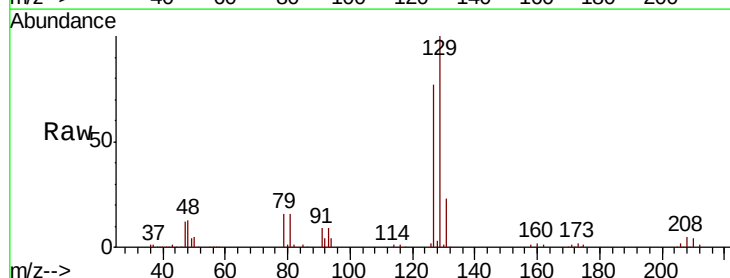
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

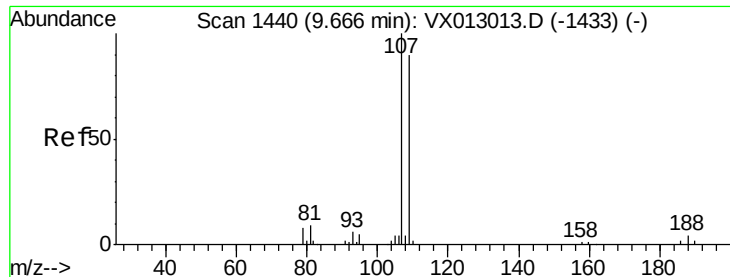
Tot Ion: 43 Resp: 553901
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 52.818 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 129 Resp: 109567
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.516 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

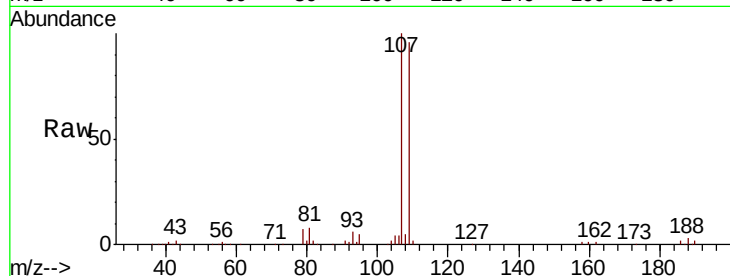
VSTDCCC050

Tot Ion:107 Resp: 106682

Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

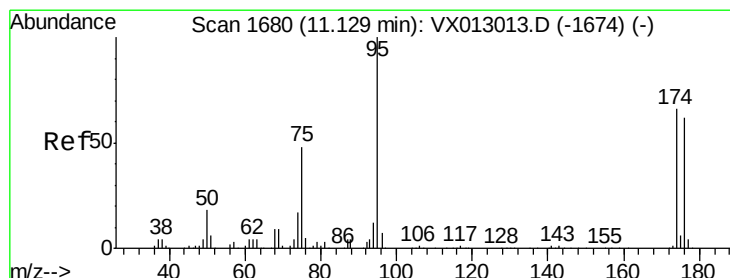
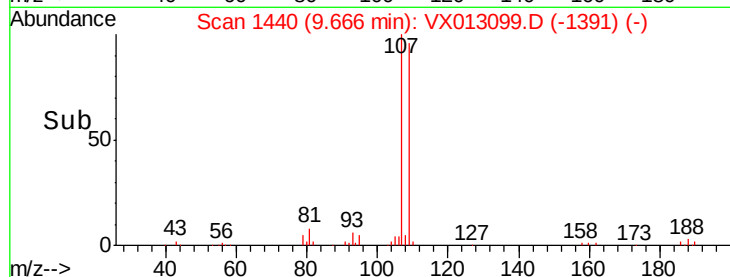
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.772 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

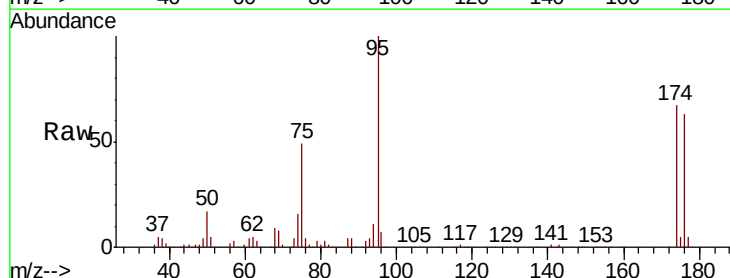
Tgt Ion: 95 Resp: 129878

Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.4

176 72.2 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

11.13

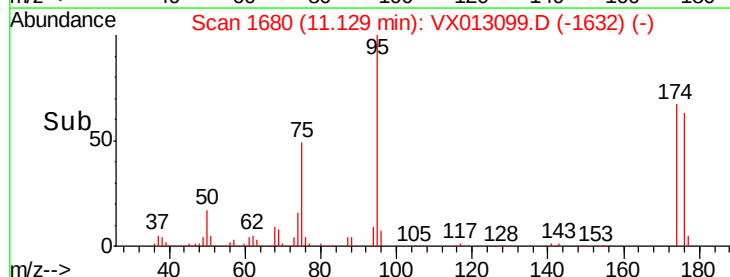
100000

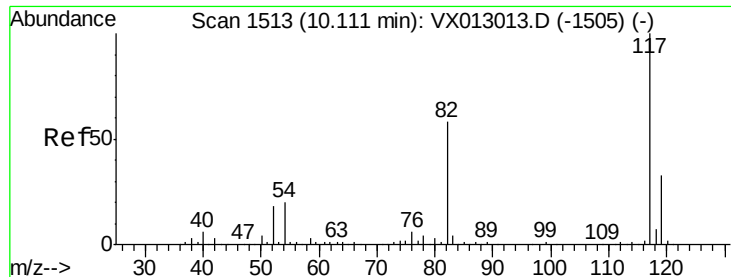
50000

0

11.05 11.10 11.15 11.20

Time-->

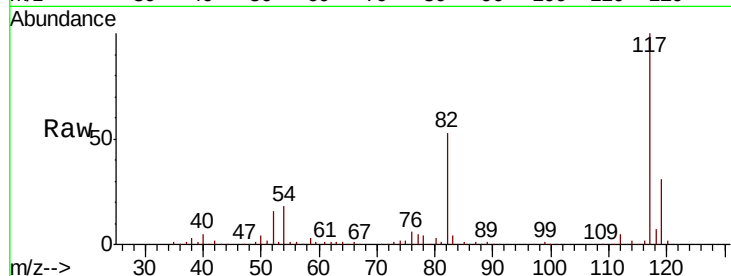




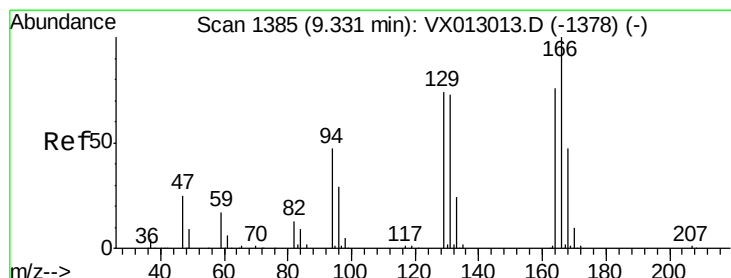
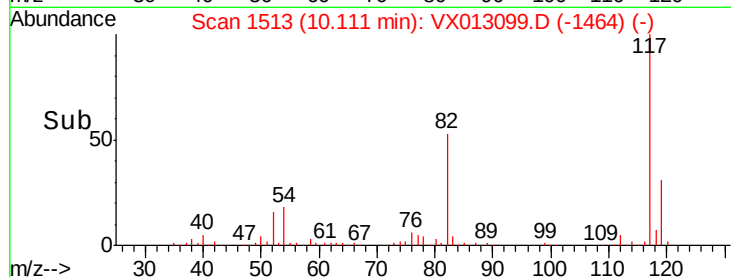
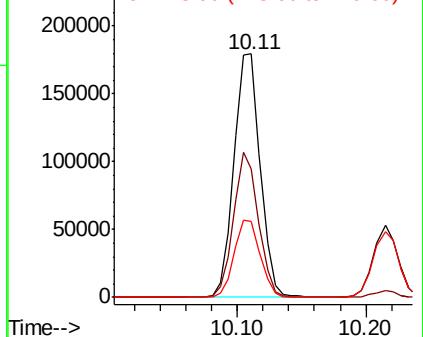
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 255276
Ion Ratio Lower Upper
117 100
82 52.8 44.1 66.1
119 31.4 25.8 38.8

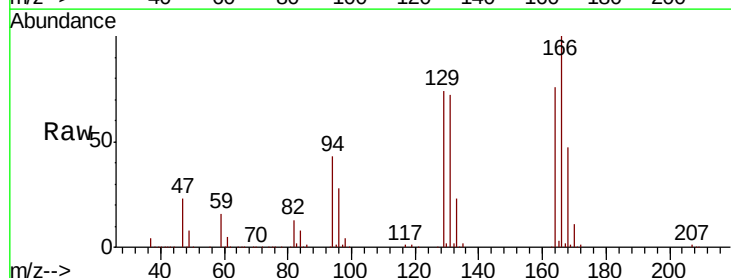


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

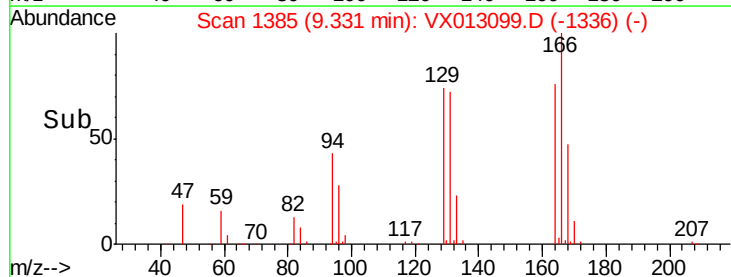
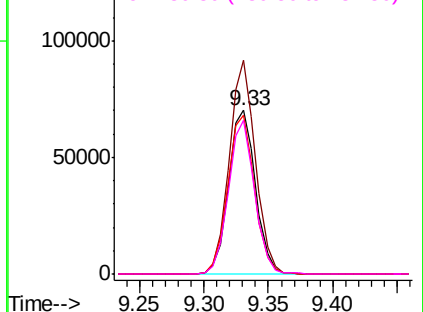


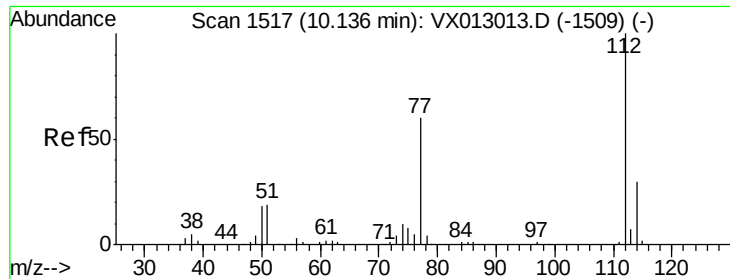
#64
Tetrachloroethene
Concen: 58.057 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion:164 Resp: 102795
Ion Ratio Lower Upper
164 100
166 130.8 96.9 145.3
129 96.8 77.9 116.9
131 94.4 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

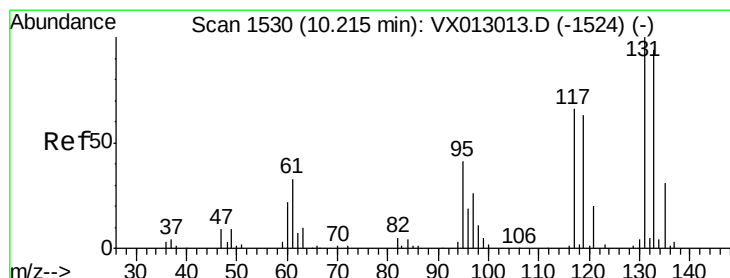
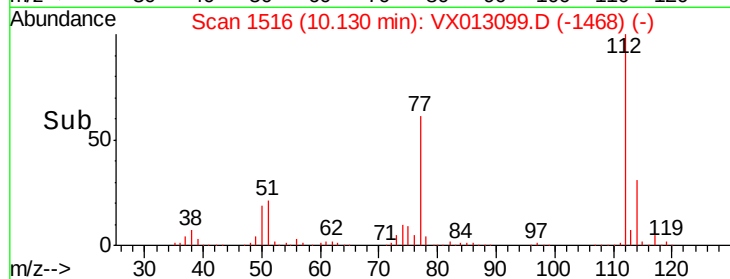
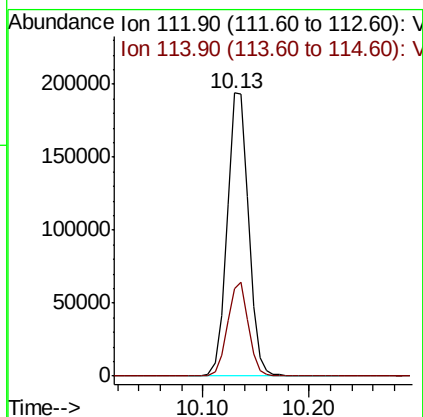
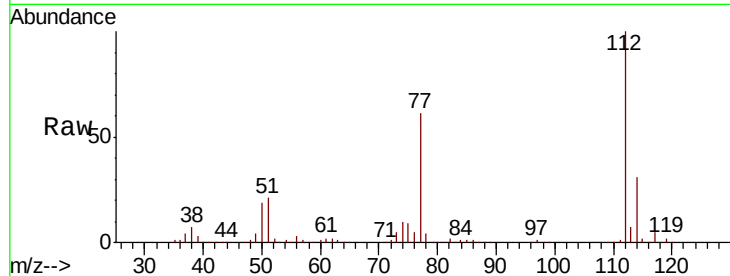




#65
Chlorobenzene
Concen: 54.153 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

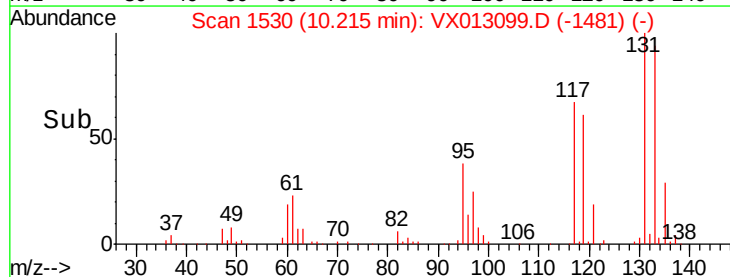
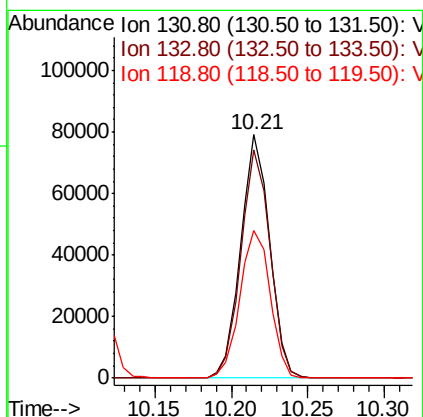
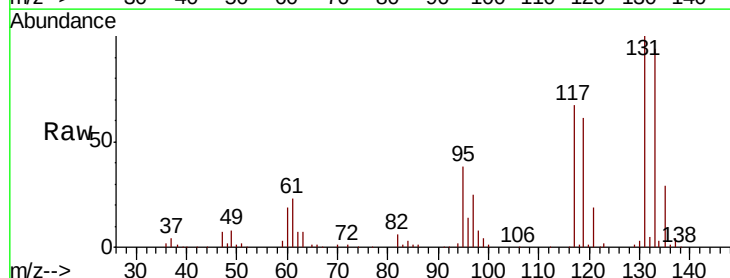
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

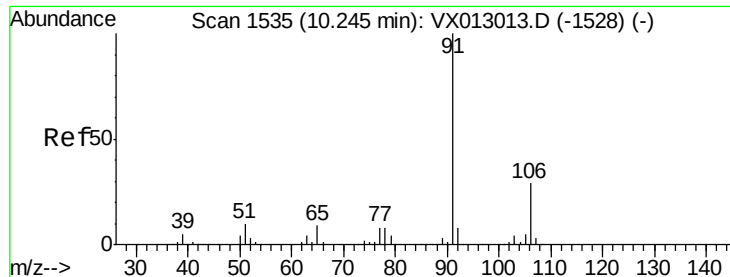
Tot Ion:112 Resp: 274524
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 59.049 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion:131 Resp: 103789
Ion Ratio Lower Upper
131 100
133 94.8 47.2 141.6
119 63.8 32.6 98.0

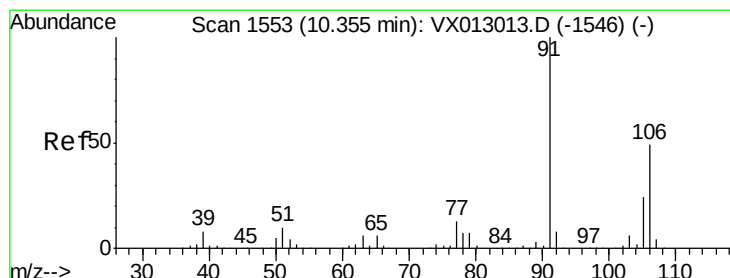
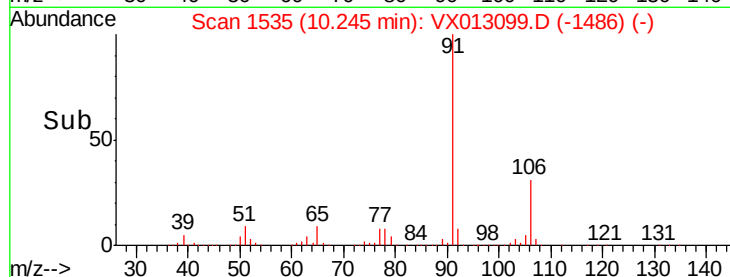
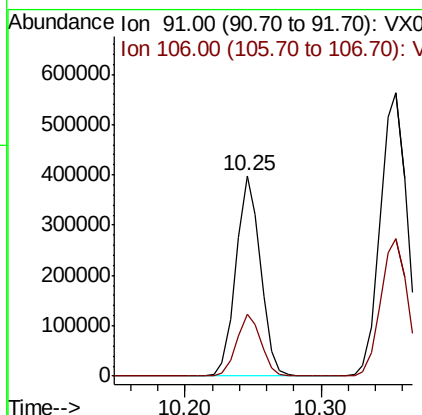
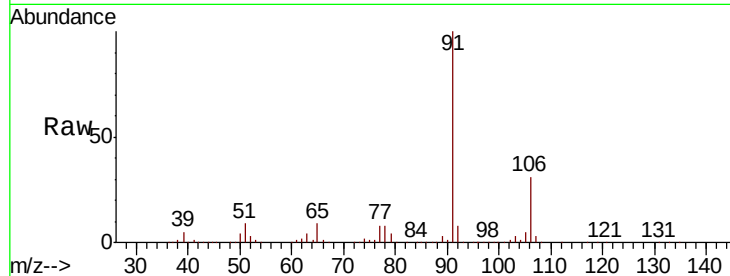




#67
Ethyl Benzene
Concen: 55.342 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

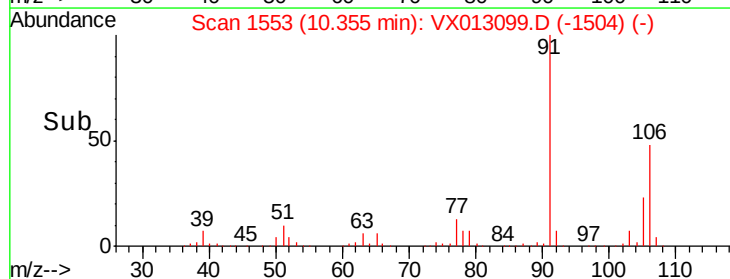
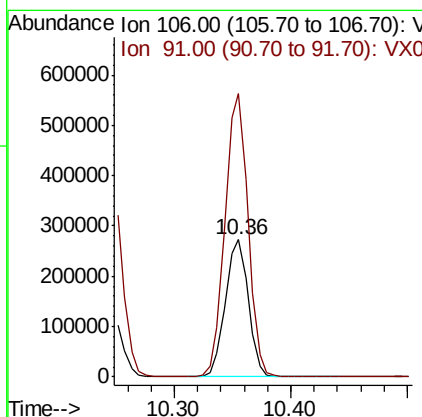
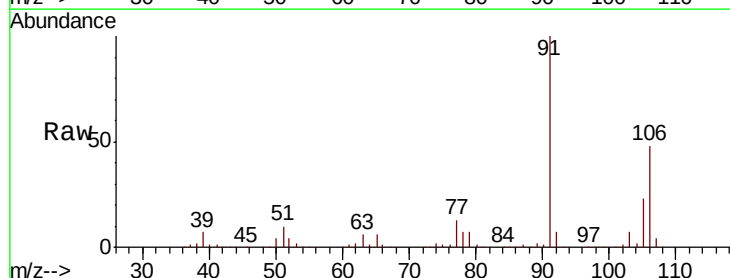
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

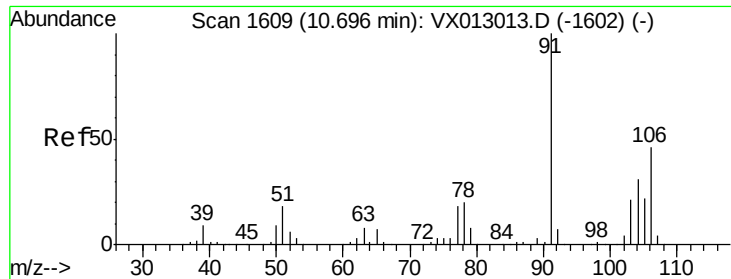
Tot Ion: 91 Resp: 498336
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



#68
m/p-Xylenes
Concen: 110.792 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 106 Resp: 372703
Ion Ratio Lower Upper
106 100
91 206.5 165.3 247.9

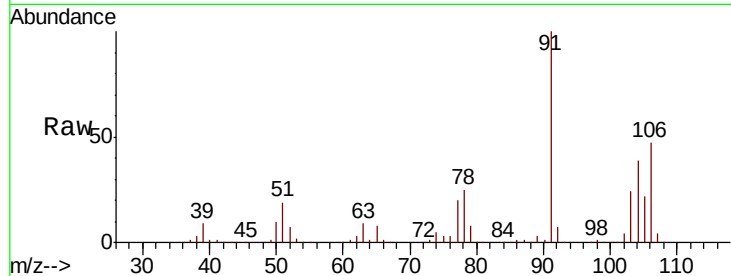




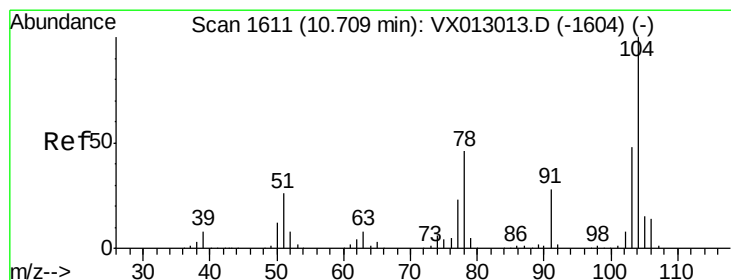
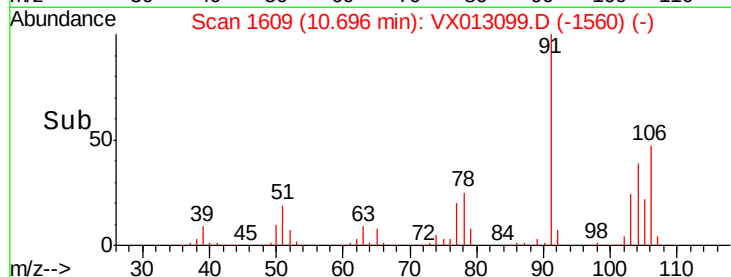
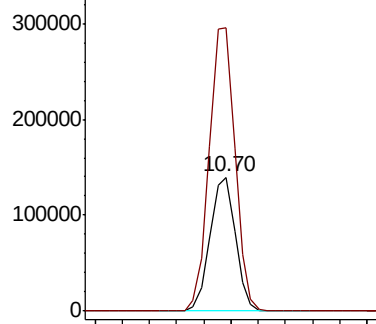
#69
o-Xylene
Concen: 55.675 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 182641
Ion Ratio Lower Upper
106 100
91 215.0 109.1 327.3

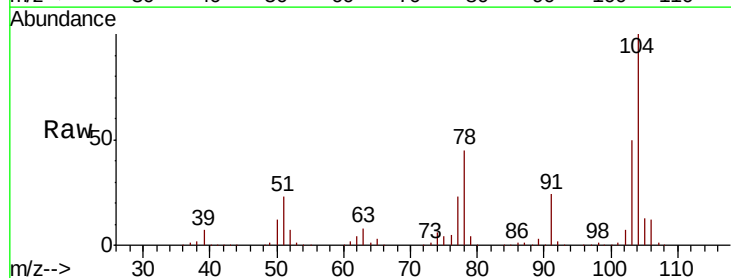


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

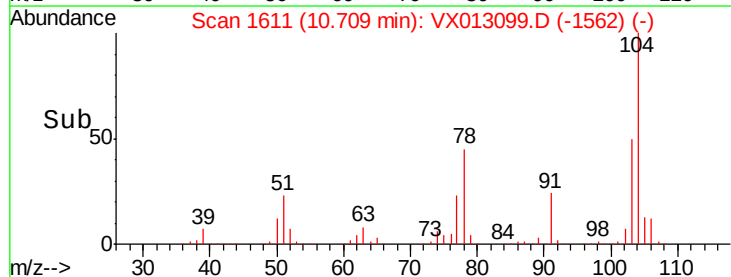
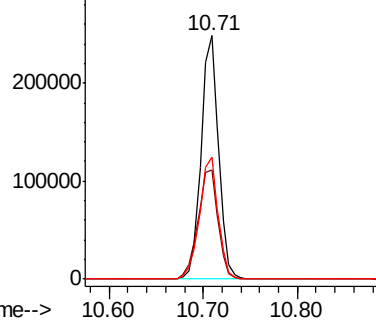


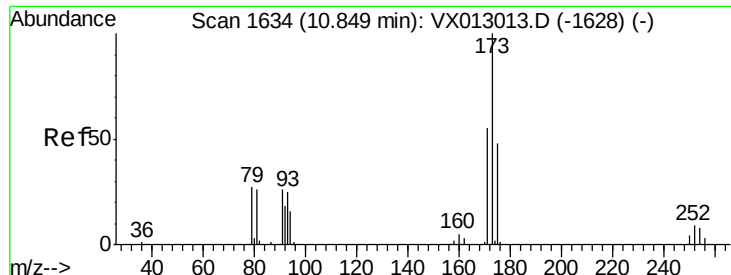
#70
Styrene
Concen: 57.171 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion:104 Resp: 318834
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 53.8 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: 51.218 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

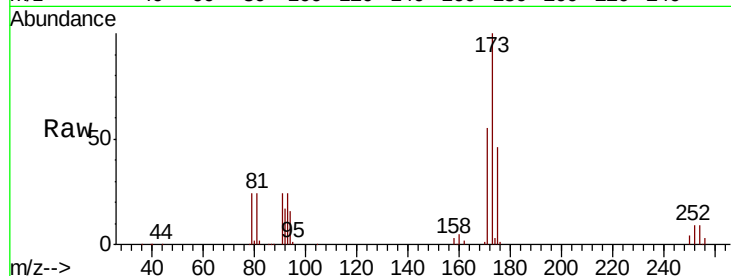
Tot Ion:173 Resp: 76813

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

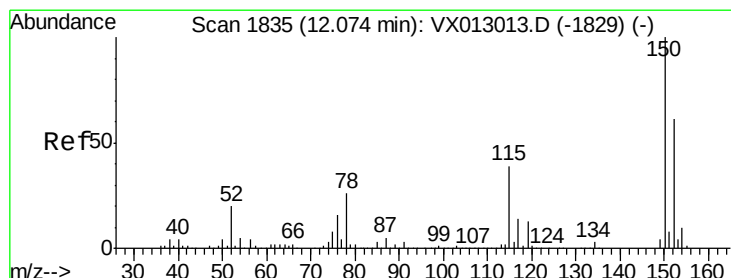
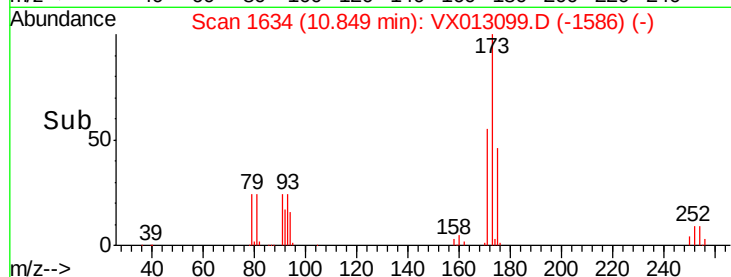
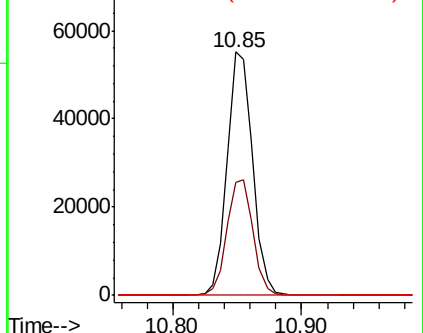
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

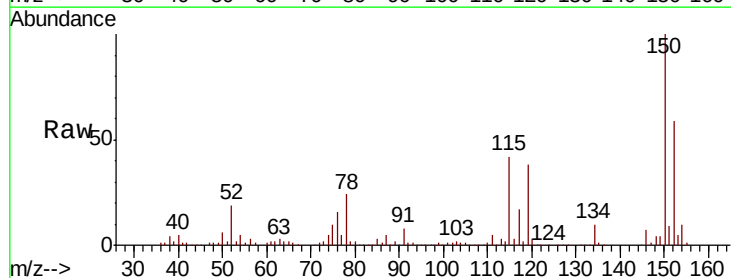
Tgt Ion:152 Resp: 122426

Ion Ratio Lower Upper

152 100

115 92.0 44.5 133.5

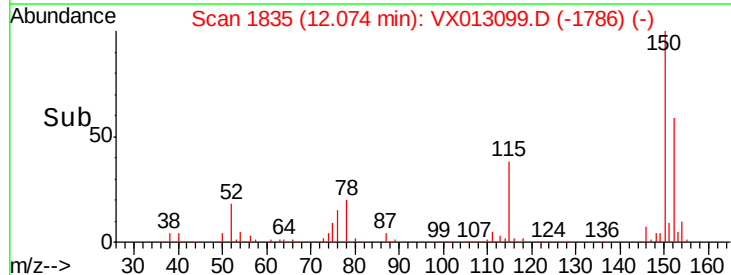
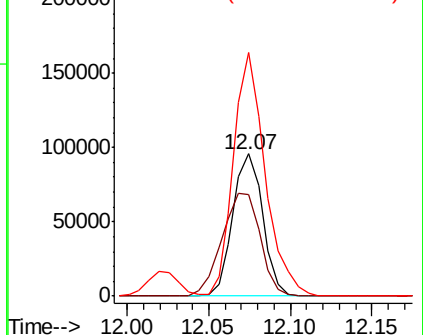
150 181.8 0.0 353.4

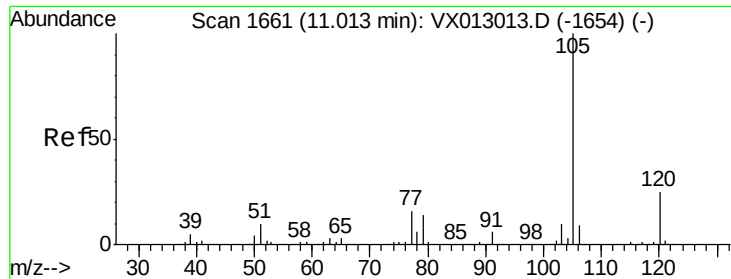


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

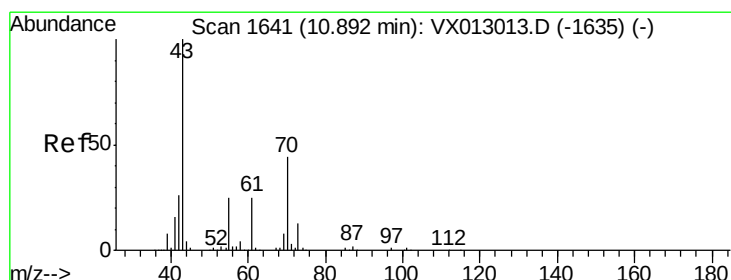
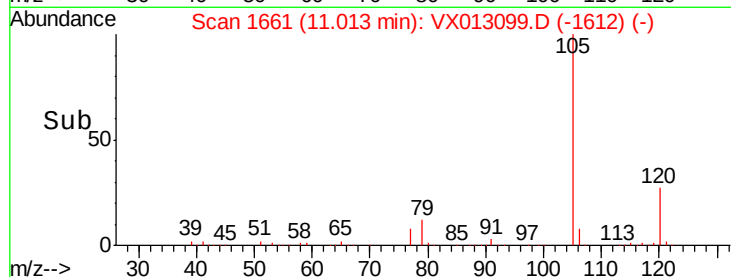
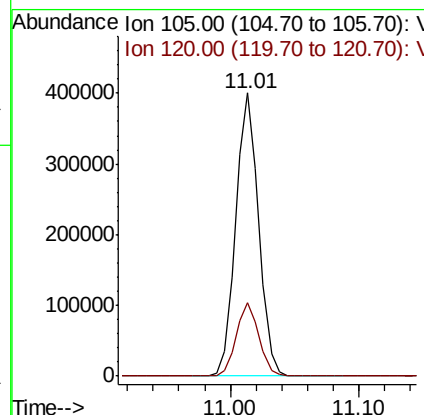
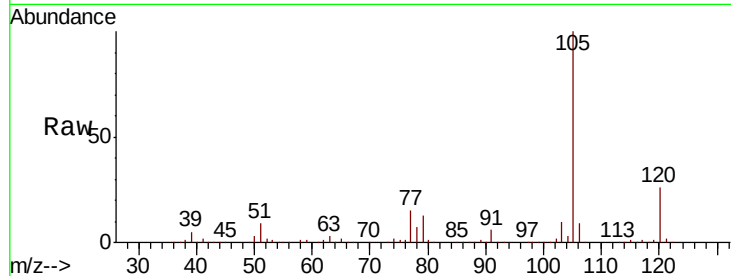




#73
Isopropylbenzene
Concen: 55.265 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

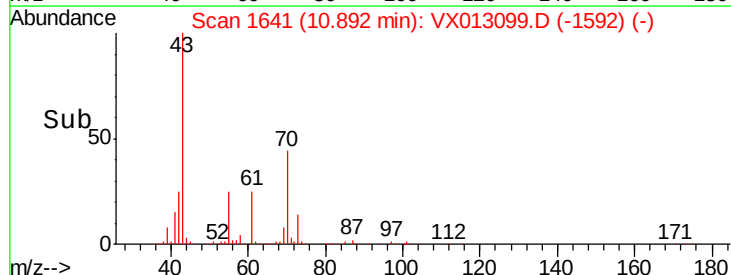
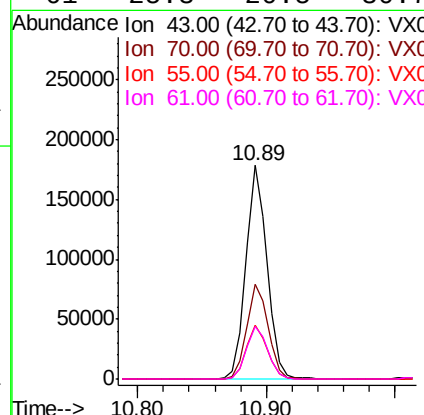
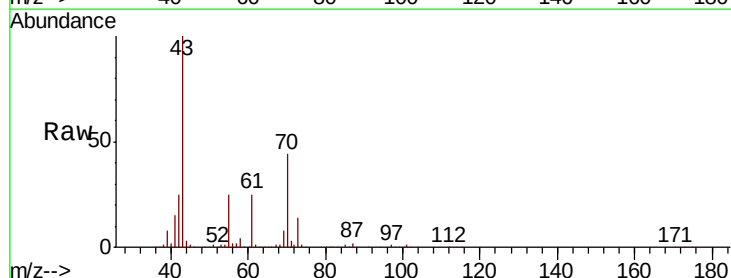
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

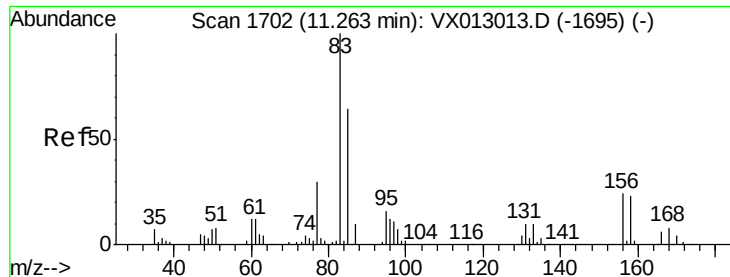
Tot Ion:105 Resp: 497439
Ion Ratio Lower Upper
105 100
120 25.6 13.0 39.0



#74
N-ethyl acetate
Concen: 51.892 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 43 Resp: 201161
Ion Ratio Lower Upper
43 100
70 45.4 36.4 54.6
55 25.3 20.2 30.2
61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.965 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

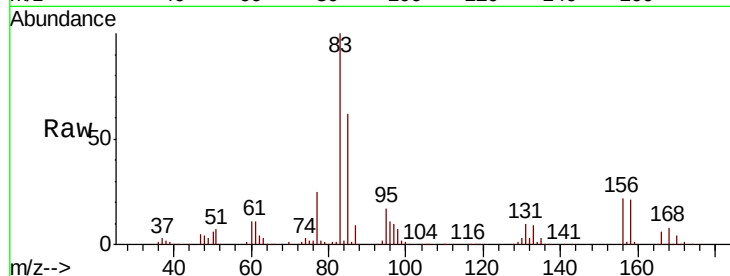
Tot Ion: 83 Resp: 158564

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

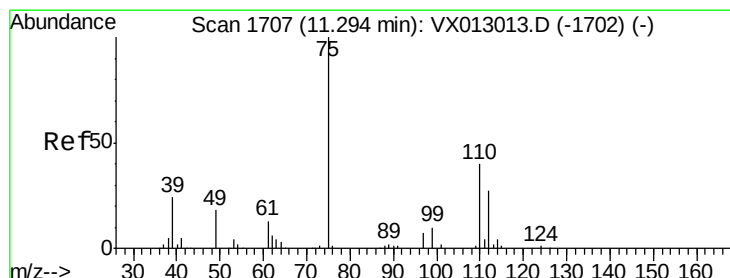
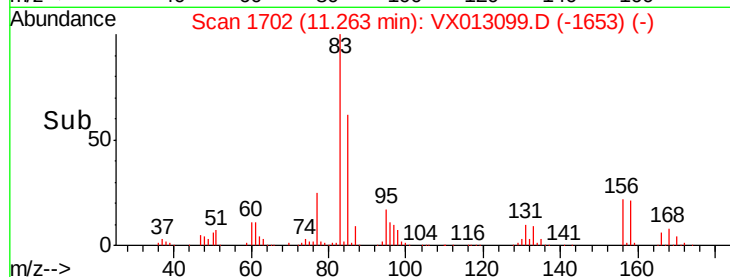
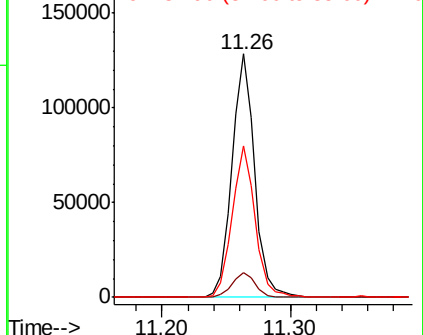
85 63.0 32.1 96.5



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: 66.708 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX013099.D

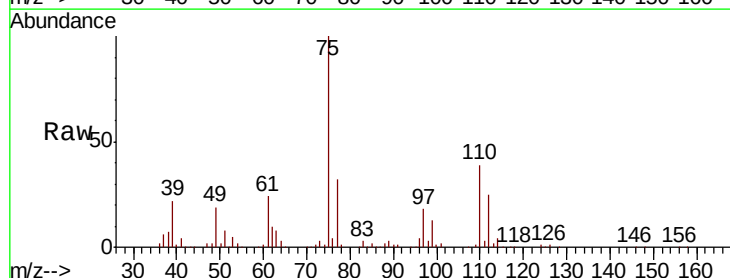
Acq: 17 Oct 2019 11:05

Tgt Ion: 75 Resp: 181140

Ion Ratio Lower Upper

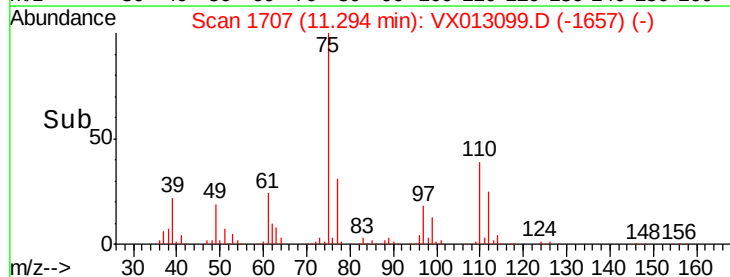
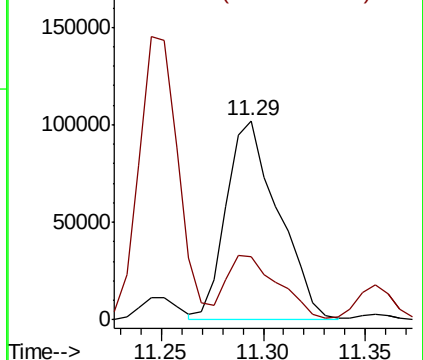
75 100

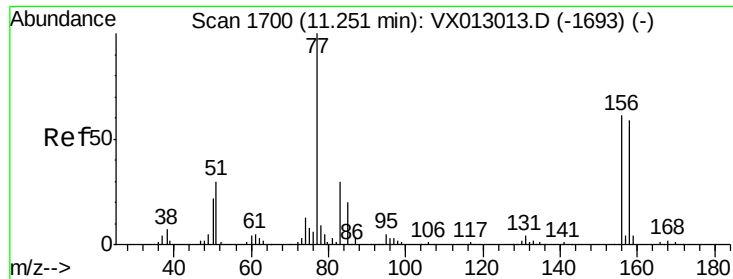
77 31.8 22.9 68.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.761 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

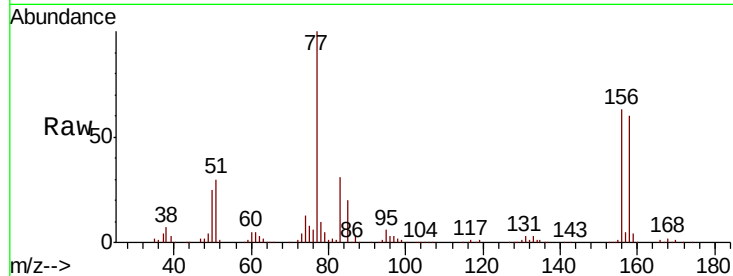
Tot Ion:156 Resp: 116151

Ion Ratio Lower Upper

156 100

77 167.5 83.7 251.0

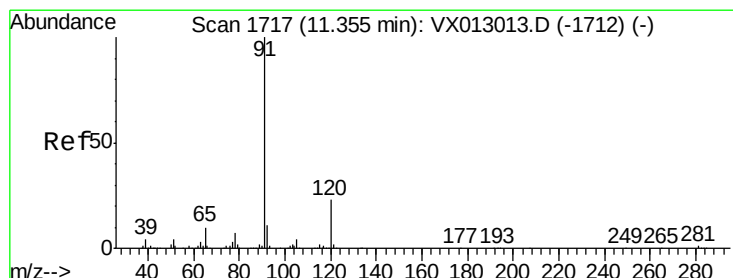
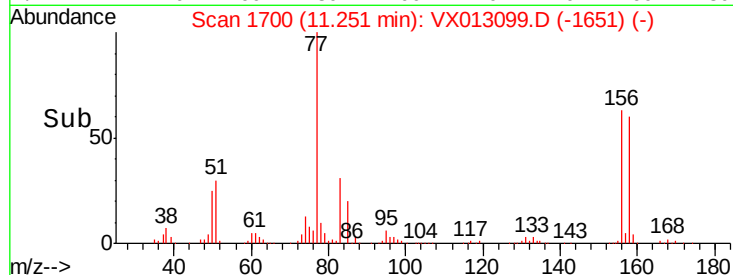
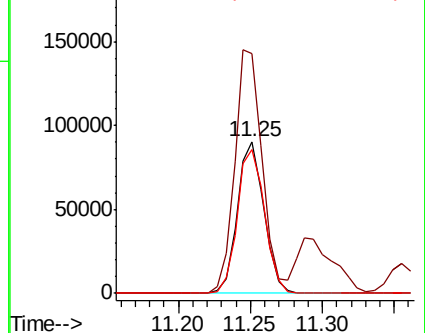
158 97.6 48.6 145.9



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: 53.441 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013099.D

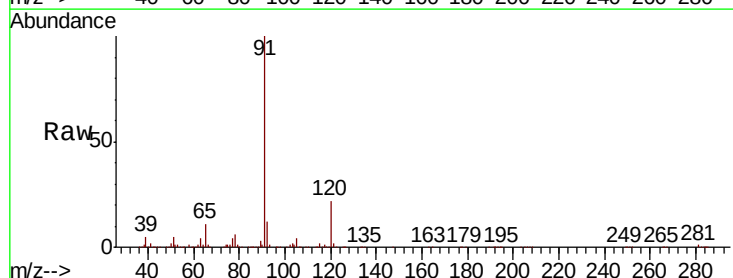
Acq: 17 Oct 2019 11:05

Tgt Ion: 91 Resp: 529302

Ion Ratio Lower Upper

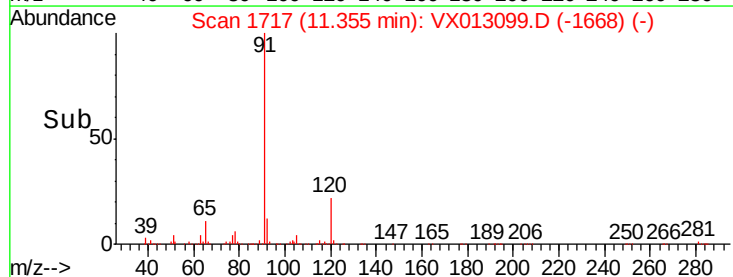
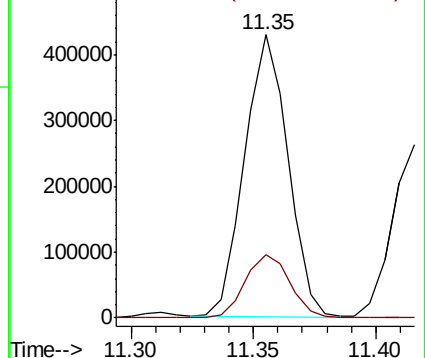
91 100

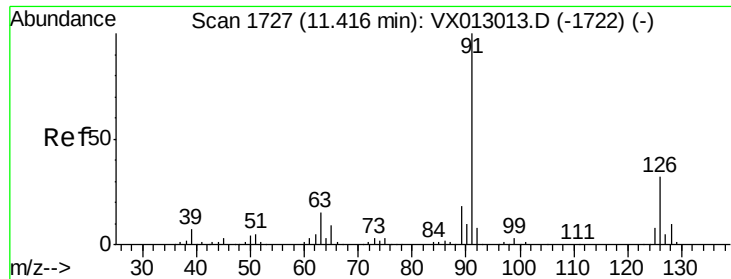
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

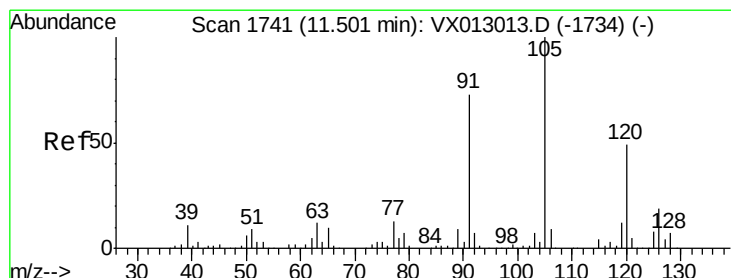
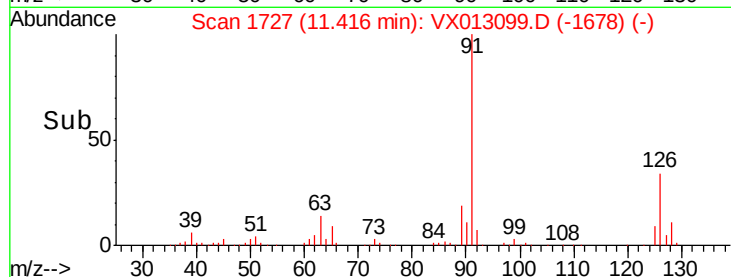
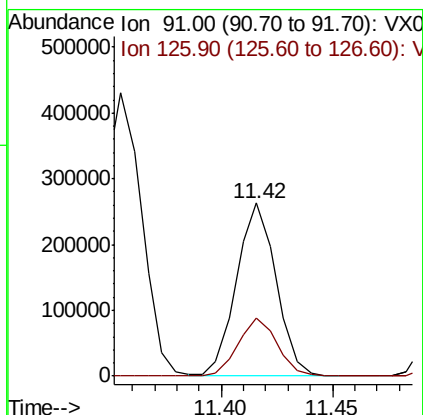
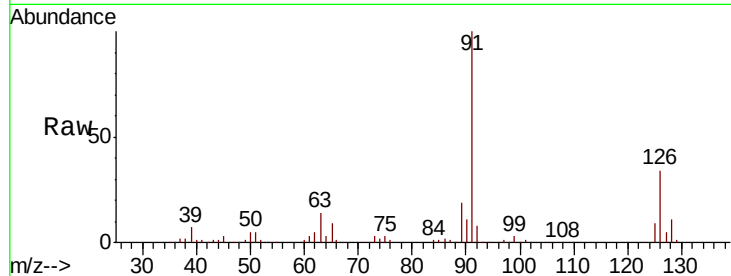




#79
 2-Chlorotoluene
 Concen: 52.113 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

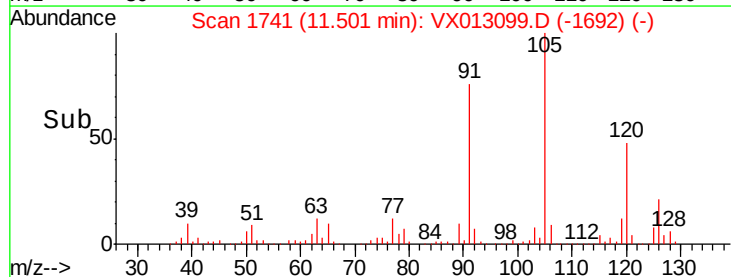
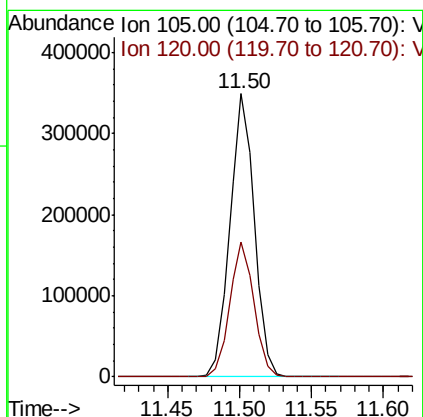
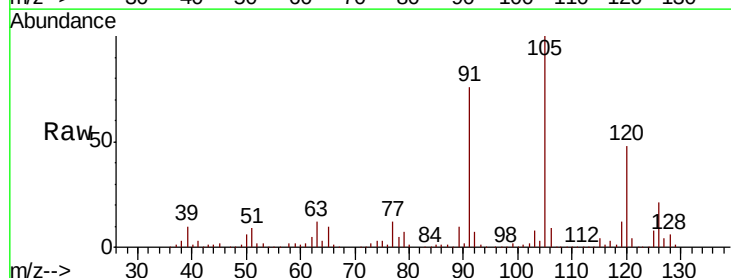
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

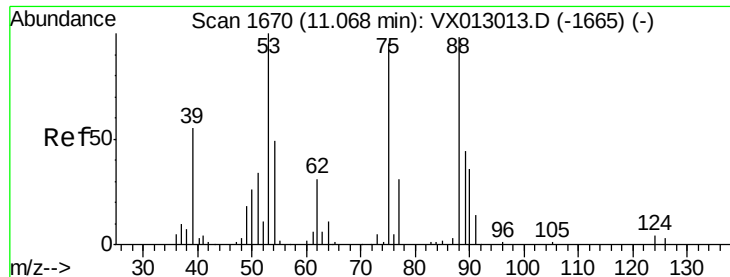
Tot Ion: 91 Resp: 324385
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 55.311 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 105 Resp: 415711
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.079 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

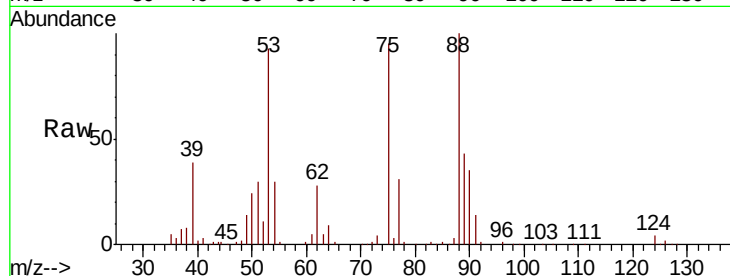
Tot Ion: 75 Resp: 52889

Ion Ratio Lower Upper

75 100

53 96.5 78.5 117.7

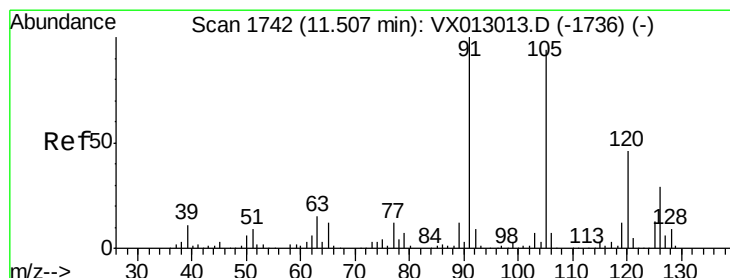
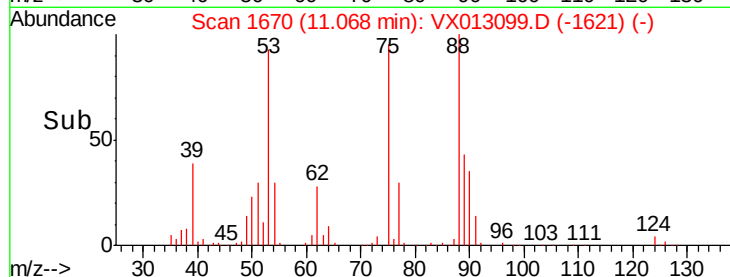
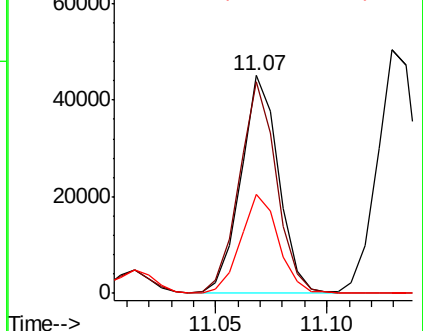
89 45.9 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.618 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013099.D

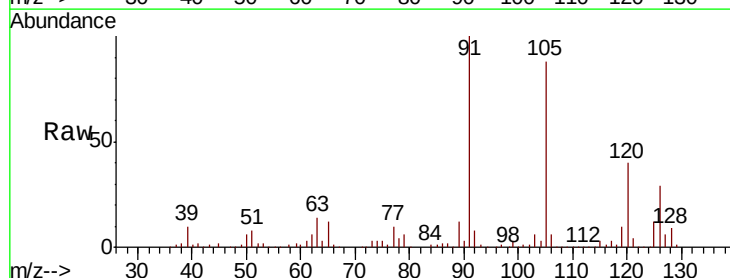
Acq: 17 Oct 2019 11:05

Tgt Ion: 91 Resp: 382545

Ion Ratio Lower Upper

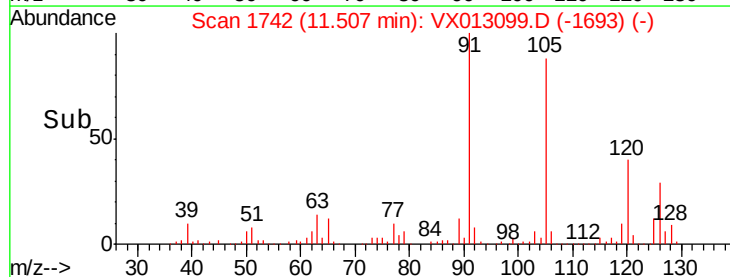
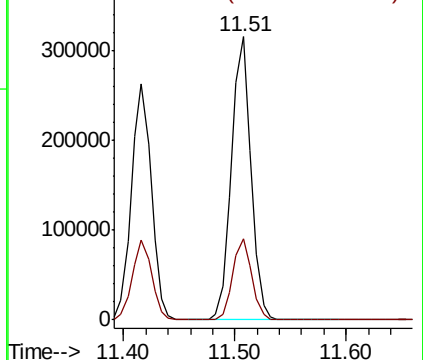
91 100

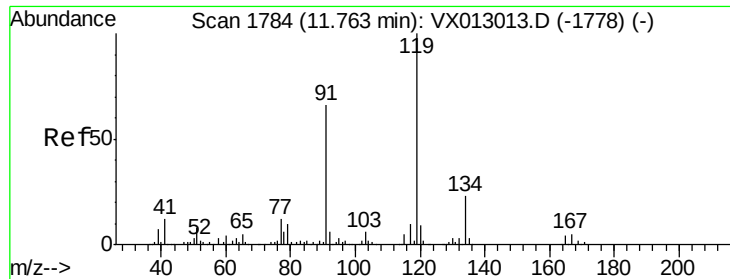
126 28.1 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

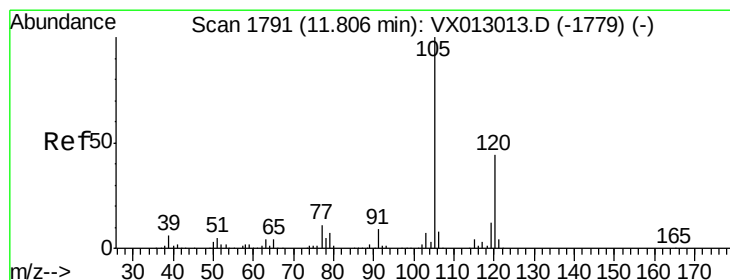
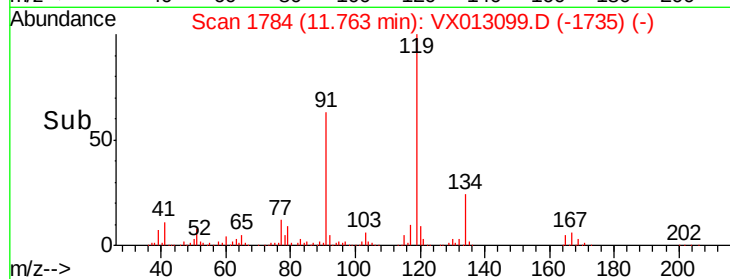
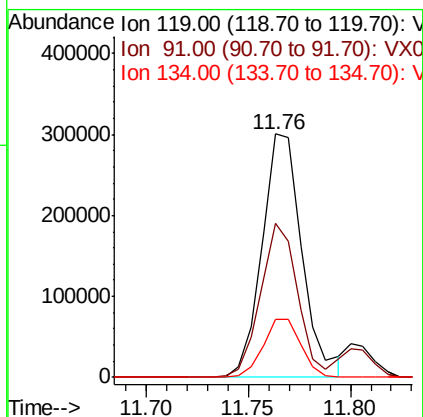
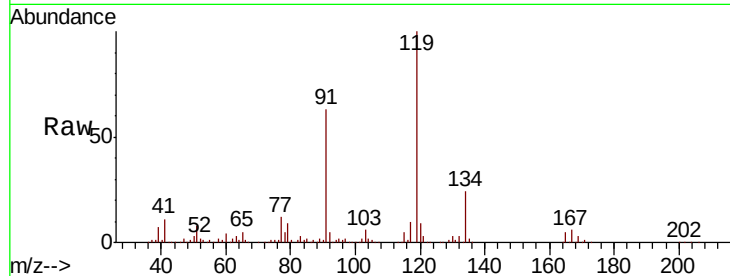




#83
 tert-Butylbenzene
 Concen: 56.247 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

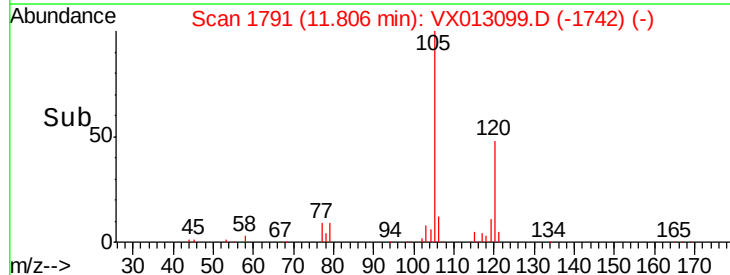
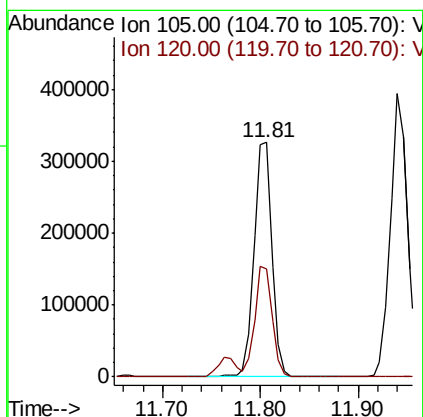
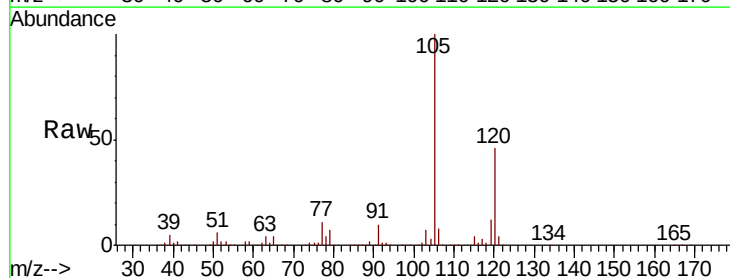
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

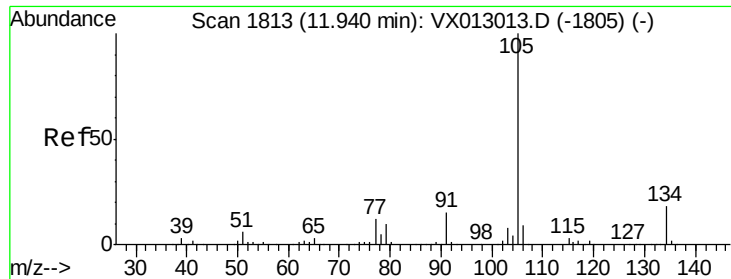
Tot Ion:119 Resp: 412383
 Ion Ratio Lower Upper
 119 100
 91 58.4 29.3 87.9
 134 22.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.432 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion:105 Resp: 414332
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.8 65.3





#85

sec-Butylbenzene

Concen: 55.889 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

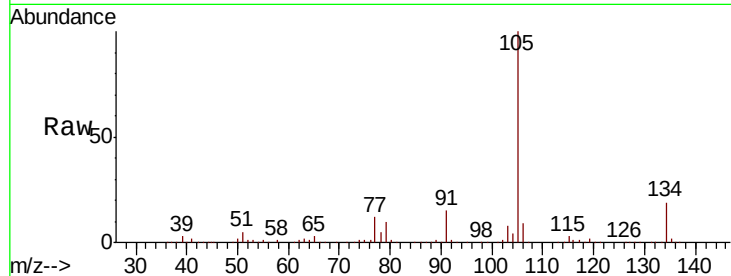
VSTDCCC050

Tot Ion:105 Resp: 474725

Ion Ratio Lower Upper

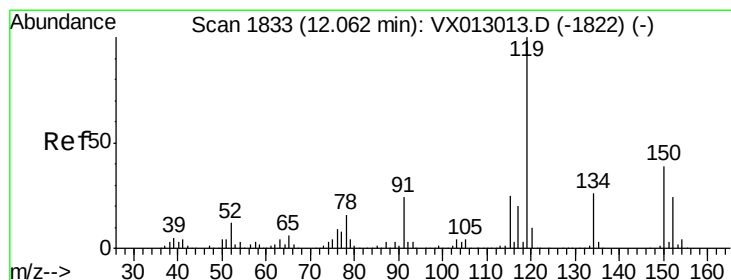
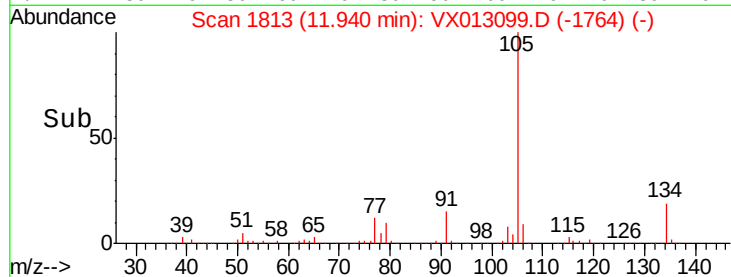
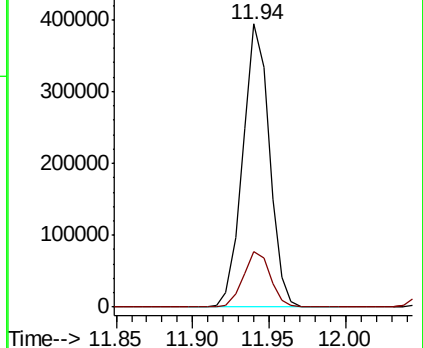
105 100

134 19.9 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: 57.345 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

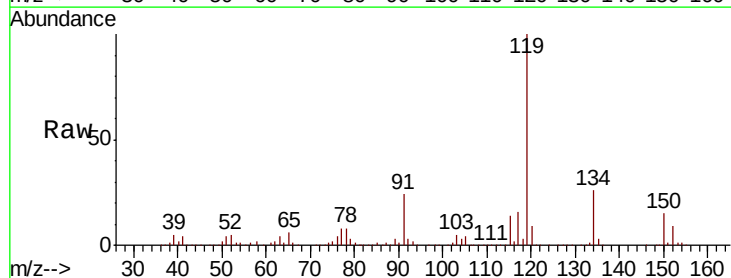
Tgt Ion:119 Resp: 451745

Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

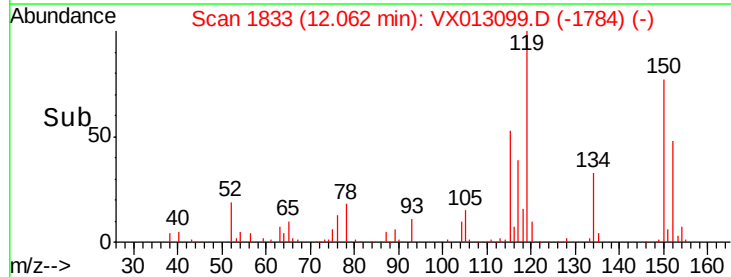
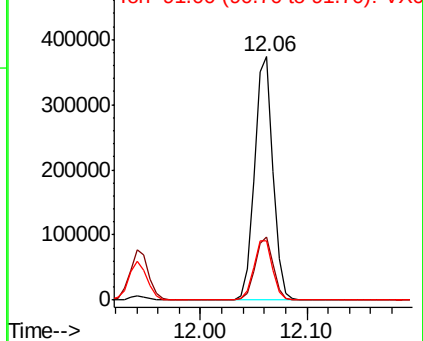
91 25.1 12.4 37.4

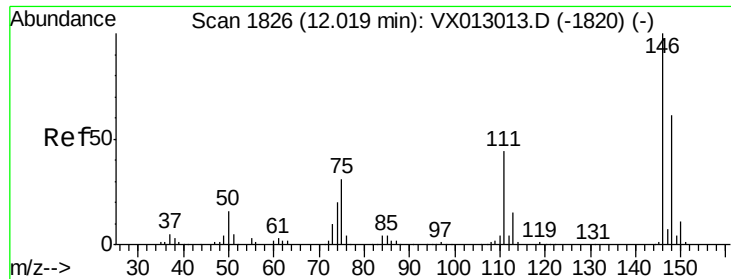


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

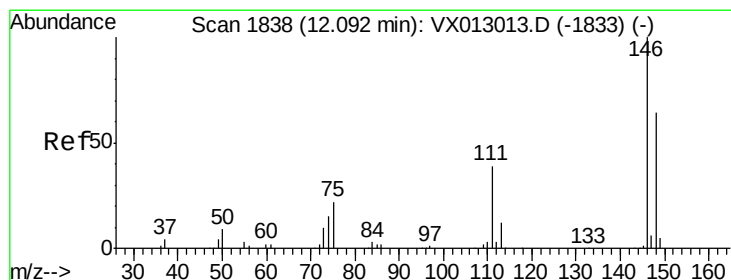
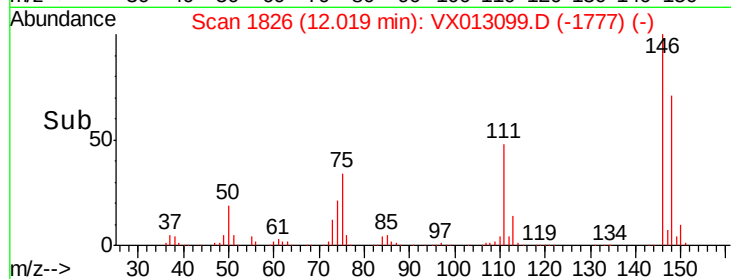
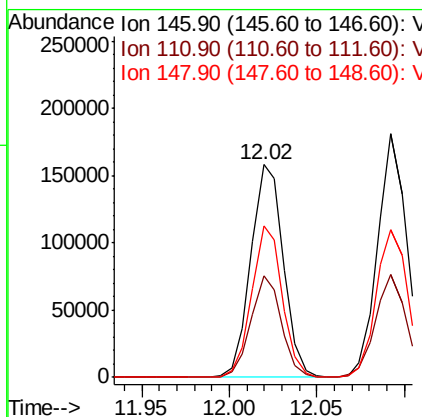
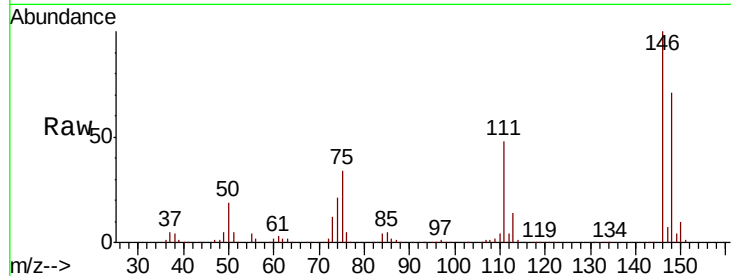




#87
 1,3-Dichlorobenzene
 Concen: 52.319 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

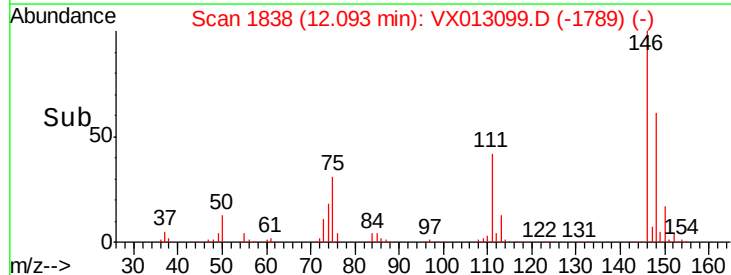
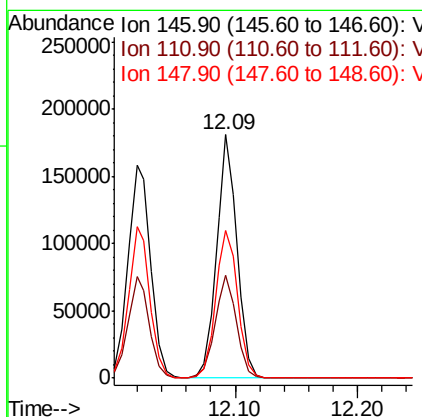
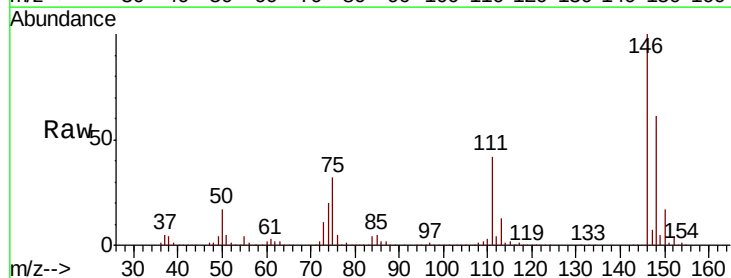
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

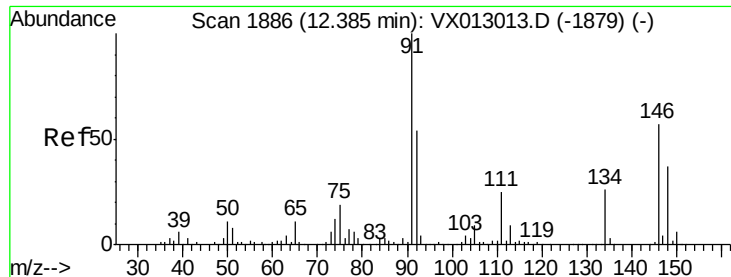
Tot Ion:146 Resp: 206077
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.1 63.4
 148 66.8 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 52.881 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion:146 Resp: 210947
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.3
 148 65.2 32.1 96.5

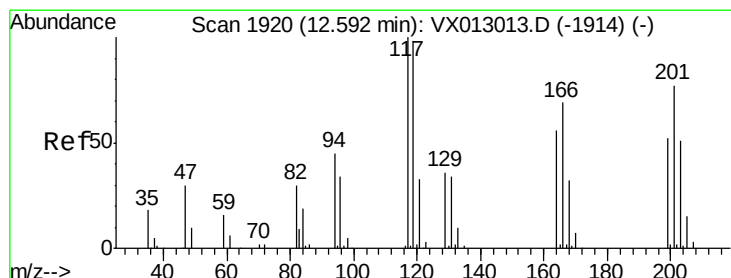
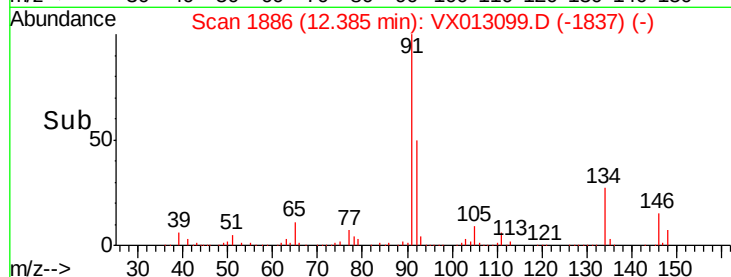
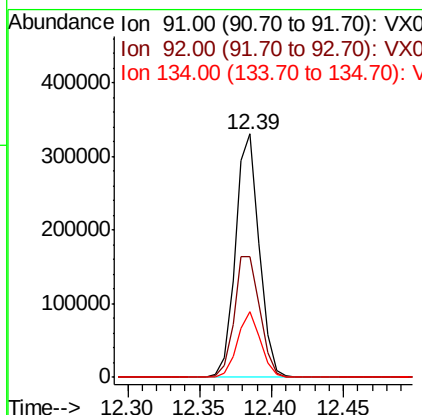
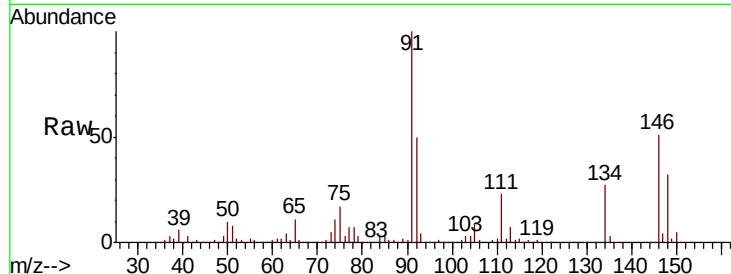




#89
n-Butylbenzene
Concen: 57.504 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

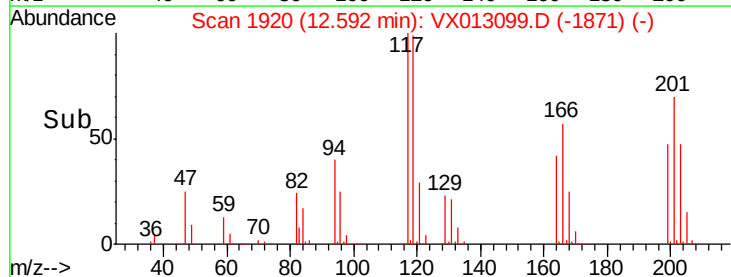
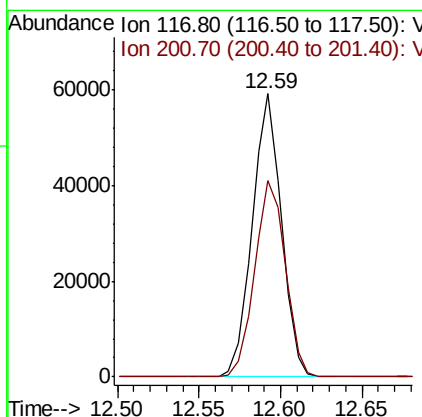
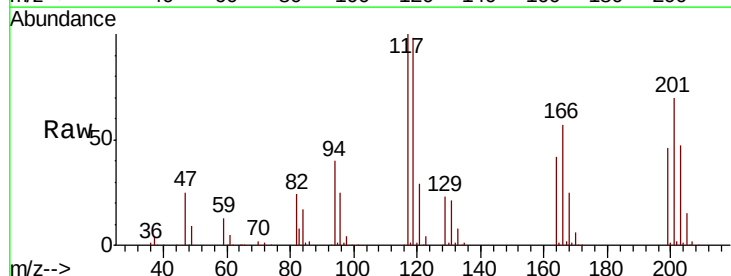
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

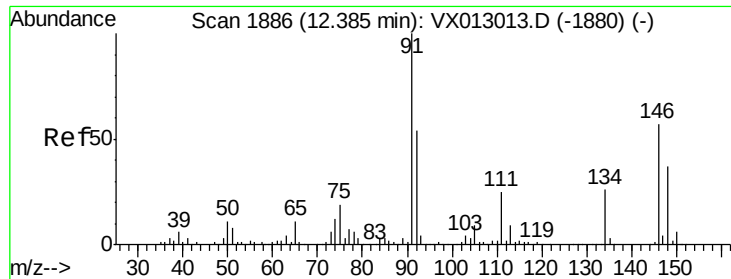
Tot Ion: 91 Resp: 380725
Ion Ratio Lower Upper
91 100
92 53.9 27.5 82.5
134 26.1 12.9 38.7



#90
Hexachloroethane
Concen: 50.607 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 117 Resp: 73878
Ion Ratio Lower Upper
117 100
201 72.7 36.9 110.7

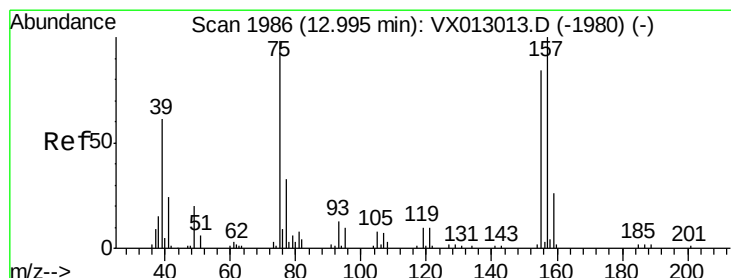
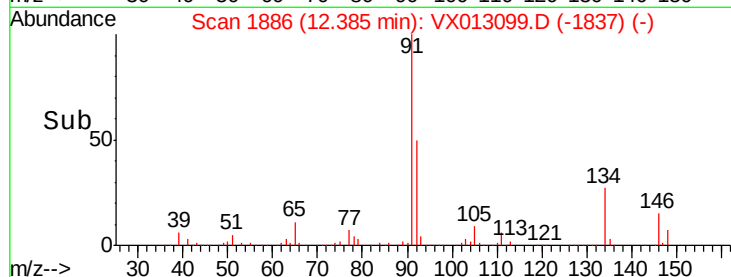
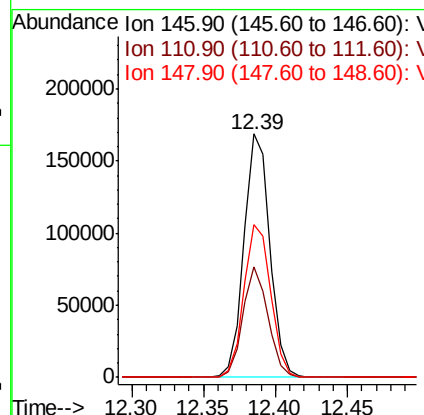
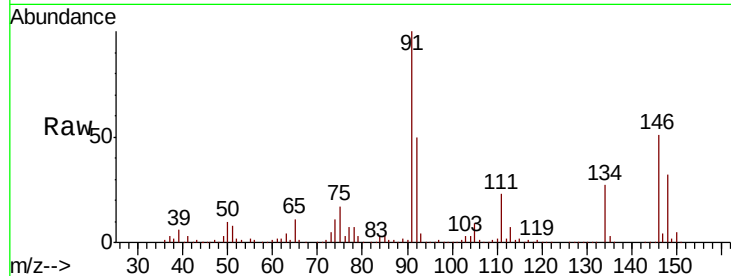




#91
 1,2-Dichlorobenzene
 Concen: 54.431 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

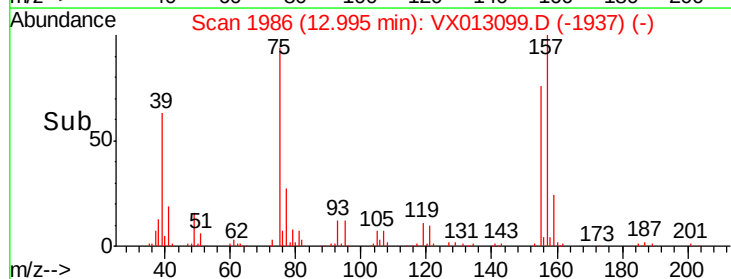
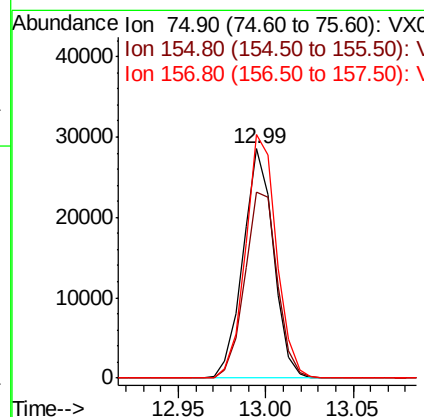
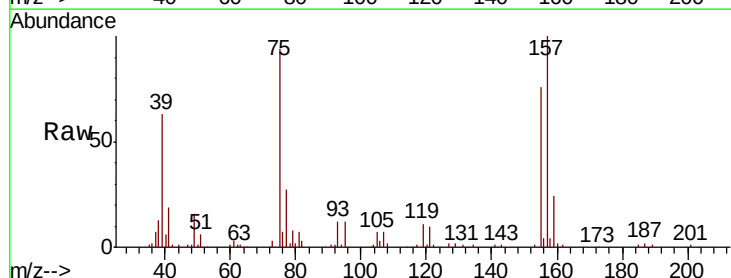
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

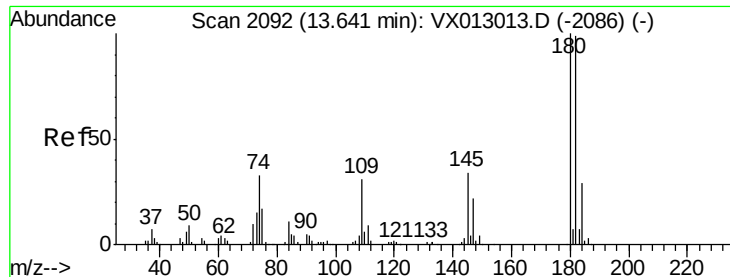
Tot Ion:146 Resp: 210183
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.7 68.0
 148 64.9 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.099 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 75 Resp: 34452
 Ion Ratio Lower Upper
 75 100
 155 86.3 43.0 128.8
 157 107.7 54.1 162.3

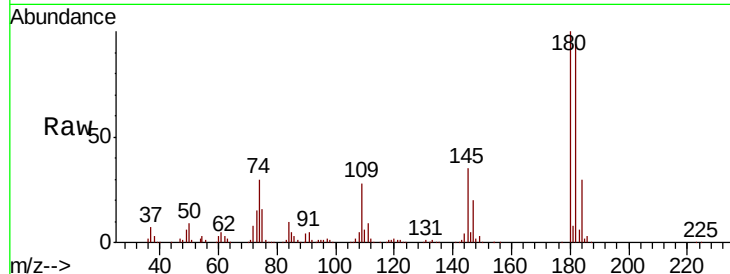




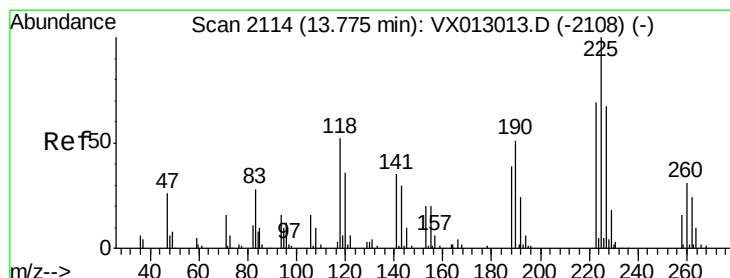
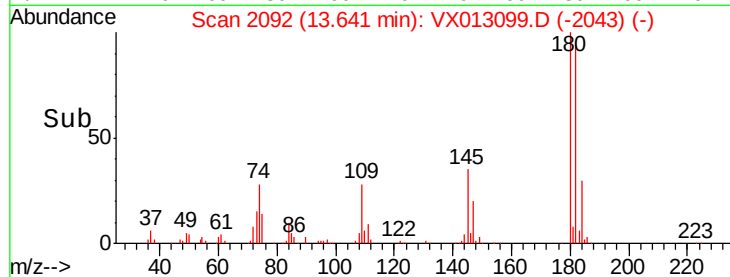
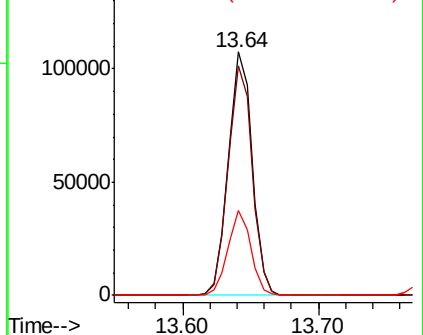
#93
 1,2,4-Trichlorobenzene
 Concen: 54.286 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.8	140.4
145	33.4	16.2	48.6

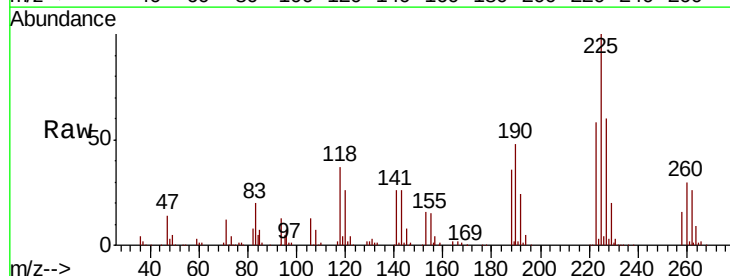


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

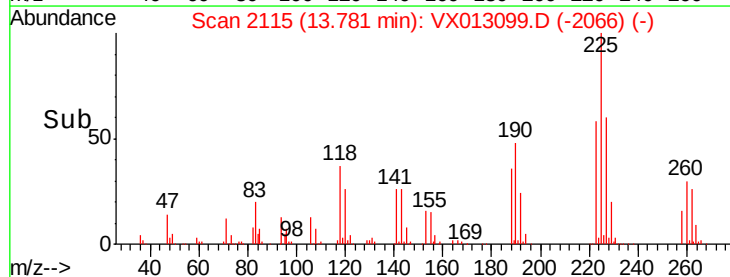
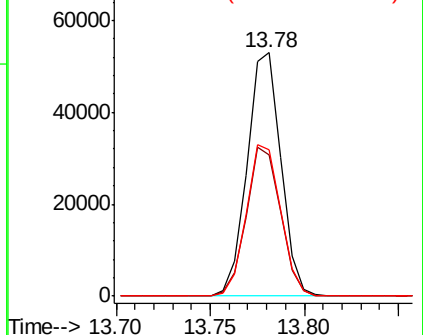


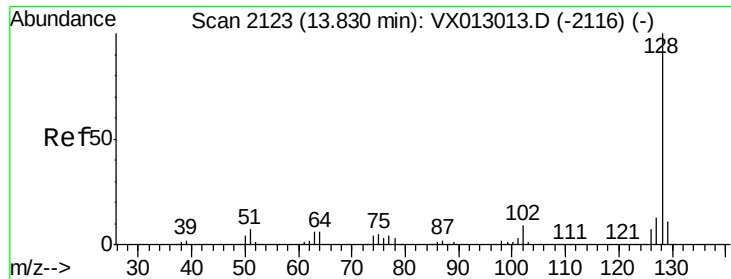
#94
 Hexachlorobutadiene
 Concen: 58.903 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	63.5	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

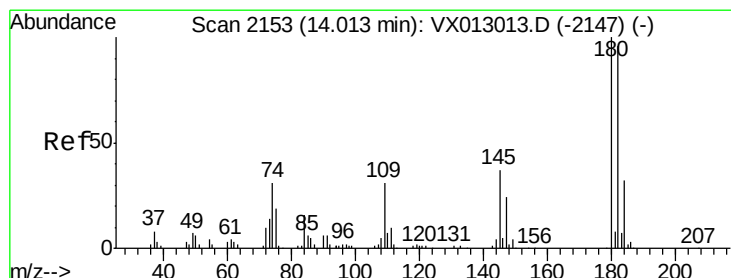
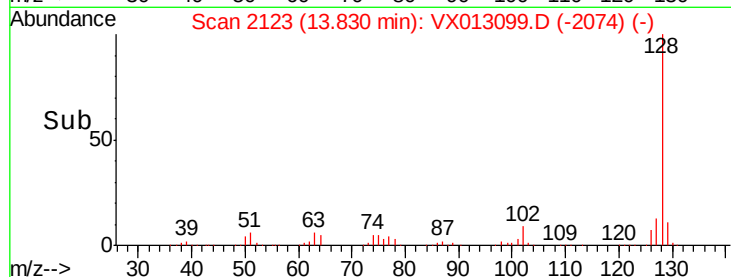
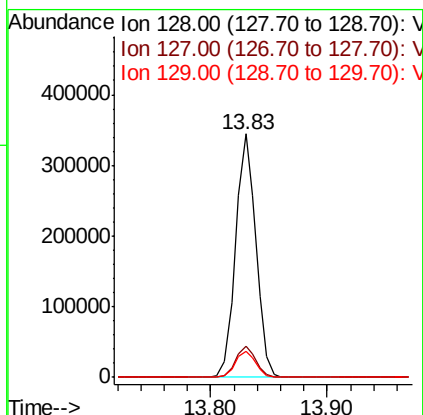
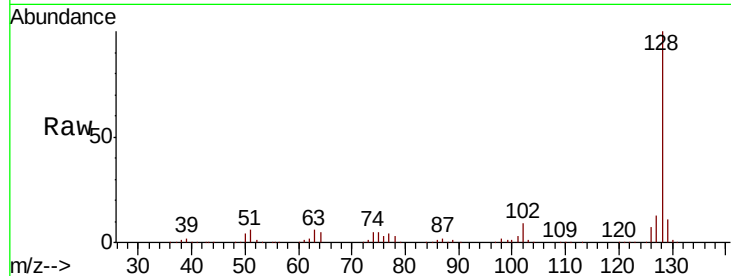




#95
Naphthalene
Concen: 49.929 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 418662
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.196 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion:180 Resp: 130473
Ion Ratio Lower Upper
180 100
182 93.3 47.5 142.5
145 35.7 17.4 52.3

