

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012351.D
 Acq On : 12 Sep 2019 16:53
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 13 01:59:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	144739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	90406	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
35) Dibromofluoromethane	5.48	113	72366	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
50) Toluene-d8	8.71	98	274607	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	116767	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	49960	42.219	ug/l 98
3) Chloromethane	1.31	50	47335	44.376	ug/l 99
4) Vinyl Chloride	1.39	62	46714	44.168	ug/l 100
5) Bromomethane	1.62	94	24105	56.870	ug/l 100
6) Chloroethane	1.71	64	32342	45.731	ug/l 99
7) Trichlorofluoromethane	1.92	101	85973	44.915	ug/l 99
8) Diethyl Ether	2.17	74	30091	46.070	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61903	47.984	ug/l 99
10) Methyl Iodide	2.50	142	37391	30.453	ug/l 99
11) Tert butyl alcohol	3.03	59	45228	206.542	ug/l 99
12) 1,1-Dichloroethene	2.36	96	50894	46.469	ug/l 97
13) Acrolein	2.28	56	30464	284.788	ug/l 92
14) Allyl chloride	2.72	41	100166	44.858	ug/l 99
15) Acrylonitrile	3.12	53	91830	227.441	ug/l 99
16) Acetone	2.43	43	107778	222.486	ug/l 100
17) Carbon Disulfide	2.56	76	97313	42.312	ug/l 98
18) Methyl Acetate	2.76	43	43372	42.597	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	195061	45.099	ug/l 99
20) Methylene Chloride	2.84	84	70593	46.526	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	60029	45.940	ug/l 96
22) Diisopropyl ether	3.84	45	237680	46.543	ug/l 99
23) Vinyl Acetate	3.80	43	723992	231.074	ug/l 98
24) 1,1-Dichloroethane	3.68	63	128078	46.823	ug/l 97
25) 2-Butanone	4.65	43	135859	219.386	ug/l 98
26) 2,2-Dichloropropane	4.56	77	118925	46.309	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	78791	46.705	ug/l 98
28) Bromochloromethane	5.00	49	59072	46.046	ug/l 100
29) Tetrahydrofuran	5.11	42	75242	225.193	ug/l 98
30) Chloroform	5.19	83	141973	46.028	ug/l 100
31) Cyclohexane	5.56	56	85360	44.924	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	120252	45.403	ug/l 98
36) 1,1-Dichloropropene	5.79	75	86847	47.386	ug/l 98
37) Ethyl Acetate	4.81	43	52157	46.037	ug/l 99
38) Carbon Tetrachloride	5.77	117	98826	45.959	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94856	47.161	ug/l	98
40) Benzene	6.13	78	262322	47.291	ug/l	98
41) Methacrylonitrile	5.02	41	33002	47.251	ug/l	98
42) 1,2-Dichloroethane	6.18	62	102135	46.587	ug/l	99
43) Isopropyl Acetate	6.44	43	107585	45.041	ug/l	99
44) Trichloroethene	7.20	130	72442	48.257	ug/l	96
45) 1,2-Dichloropropane	7.50	63	71669	46.678	ug/l	100
46) Dibromomethane	7.65	93	40867	48.700	ug/l	98
47) Bromodichloromethane	7.89	83	106036	46.303	ug/l	98
48) Methyl methacrylate	7.76	41	51570	45.106	ug/l	99
49) 1,4-Dioxane	7.73	88	12772	827.858	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	285743	226.664	ug/l	100
52) Toluene	8.78	92	173902	47.464	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	105112	45.987	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	117531	46.372	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	62173	47.823	ug/l	97
56) Ethyl methacrylate	9.17	69	80815	45.911	ug/l	99
57) 1,3-Dichloropropane	9.37	76	104930	47.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	204851	227.062	ug/l	99
59) 2-Hexanone	9.48	43	208329	237.673	ug/l	99
60) Dibromochloromethane	9.57	129	71363	47.020	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56471	46.664	ug/l	97
64) Tetrachloroethene	9.33	164	58358	47.700	ug/l	97
65) Chlorobenzene	10.14	112	199867	47.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	76812	48.206	ug/l	99
67) Ethyl Benzene	10.25	91	357514	47.556	ug/l	98
68) m/p-Xylenes	10.36	106	264989	95.754	ug/l	100
69) o-Xylene	10.70	106	130279	48.056	ug/l	98
70) Styrene	10.71	104	231405	48.130	ug/l	99
71) Bromoform	10.85	173	38266	46.312	ug/l #	98
73) Isopropylbenzene	11.01	105	359474	47.372	ug/l	99
74) N-amyl acetate	10.89	43	98146	43.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76775	47.109	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	80741	54.526	ug/l	87
77) Bromobenzene	11.25	156	83740	47.931	ug/l	99
78) n-propylbenzene	11.35	91	434243	47.387	ug/l	100
79) 2-Chlorotoluene	11.42	91	260946	45.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	324315	47.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21421	43.343	ug/l	97
82) 4-Chlorotoluene	11.51	91	321577	47.131	ug/l	100
83) tert-Butylbenzene	11.76	119	317985	47.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	328864	46.617	ug/l	97
85) sec-Butylbenzene	11.94	105	372838	47.156	ug/l	100
86) p-Isopropyltoluene	12.06	119	348362	47.686	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	172156	48.372	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	169498	47.099	ug/l	99
89) n-Butylbenzene	12.39	91	338941	47.336	ug/l	99
90) Hexachloroethane	12.59	117	63073	46.873	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	156933	47.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13868	41.689	ug/l	95

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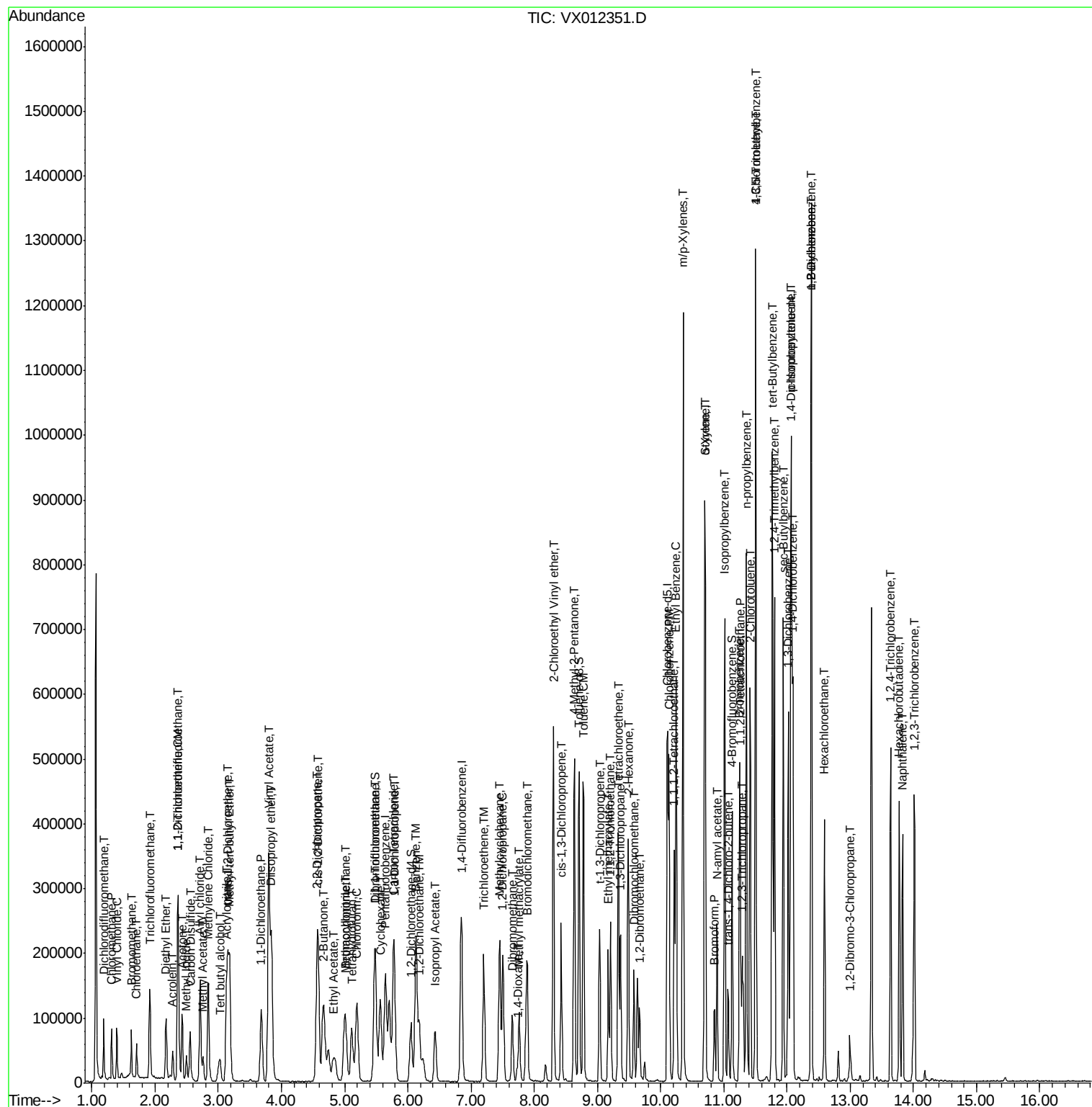
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	109108	47.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	54845	48.490	ug/l	99
95) Naphthalene	13.83	128	216383	44.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94433	46.944	ug/l	99

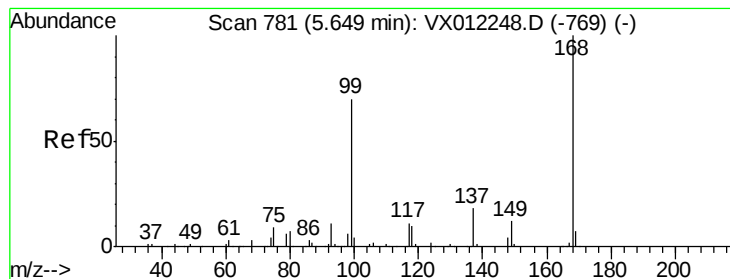
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

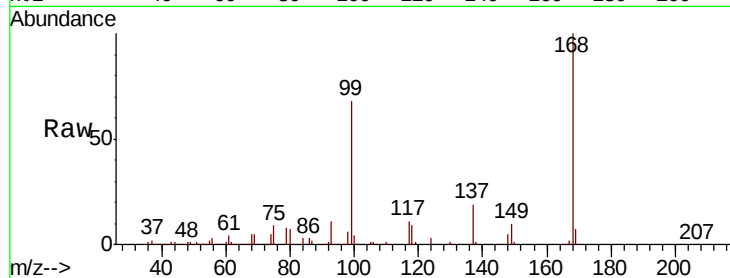
VSTDCCC050

Tgt Ion: 168 Resp: 144739

Ion Ratio Lower Upper

168 100

99 67.2 55.8 83.6

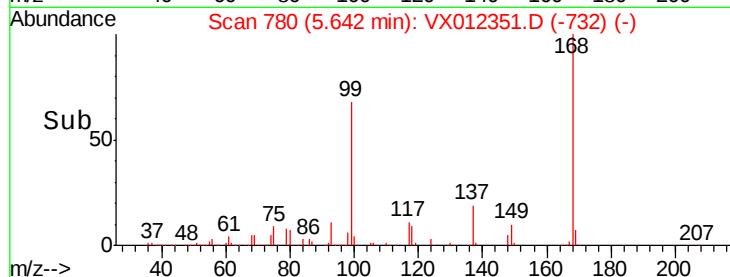


Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.64

Time-->



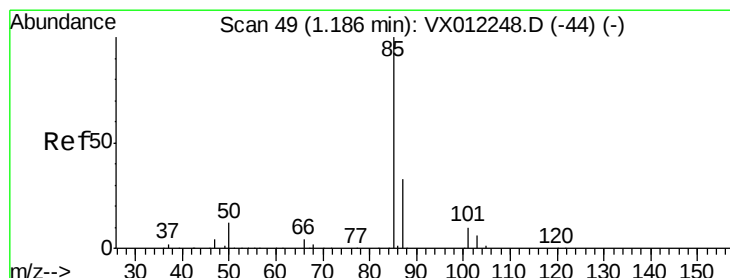
Abundance

Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: 42.219 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012351.D

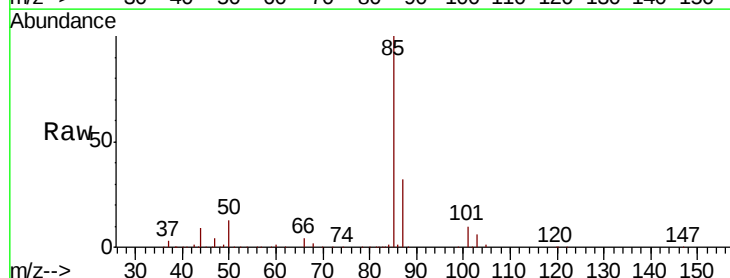
Acq: 12 Sep 2019 16:53

Tgt Ion: 85 Resp: 49960

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.0

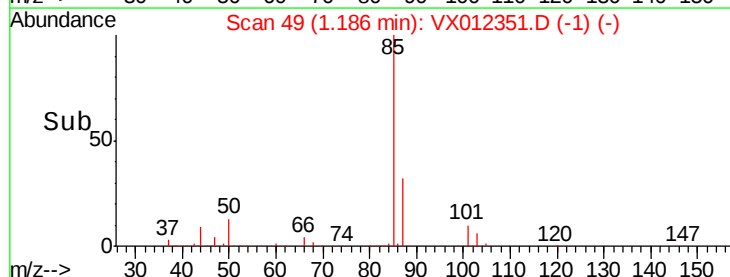


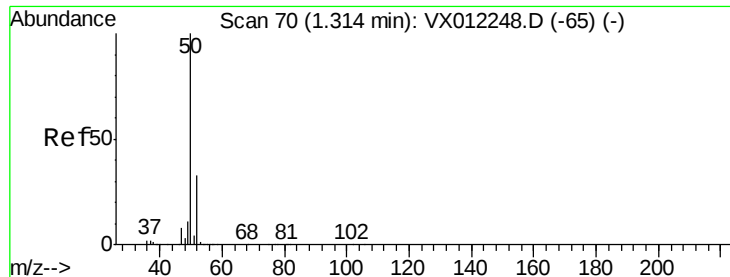
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->





#3

Chloromethane

Concen: 44.376 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

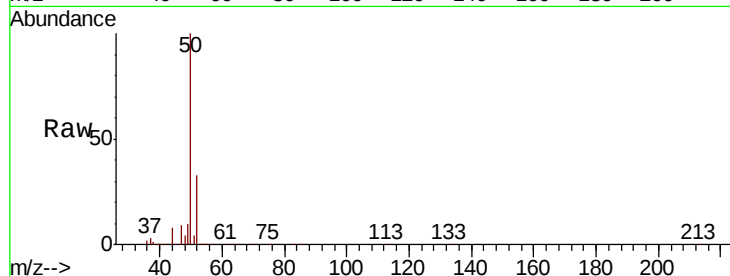
VSTDCCC050

Tgt Ion: 50 Resp: 47335

Ion Ratio Lower Upper

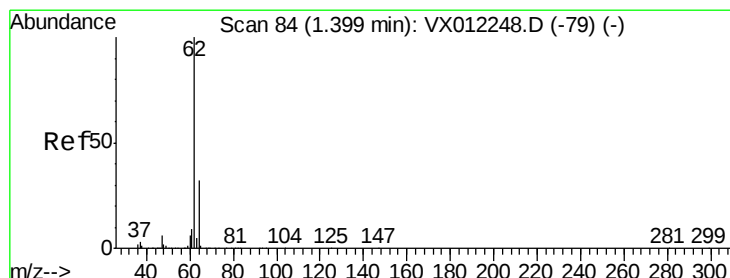
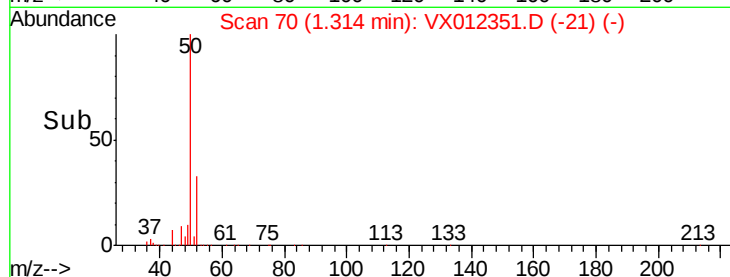
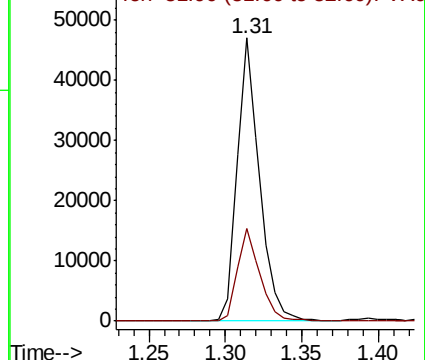
50 100

52 32.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.168 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012351.D

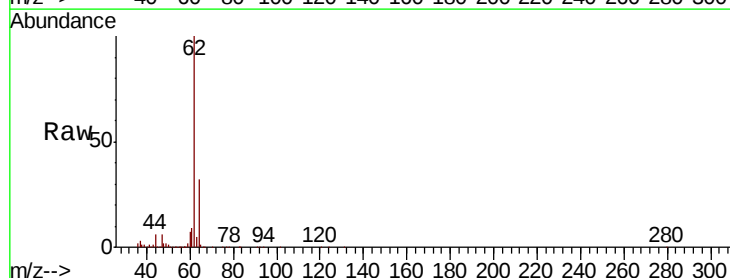
Acq: 12 Sep 2019 16:53

Tgt Ion: 62 Resp: 46714

Ion Ratio Lower Upper

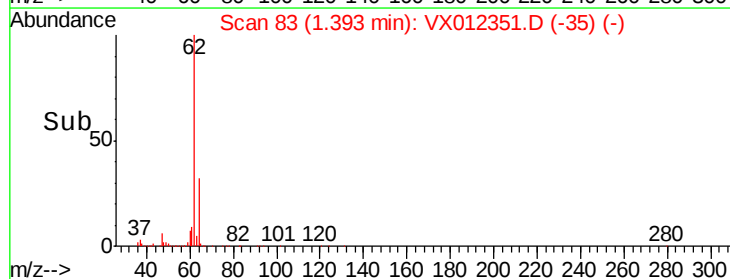
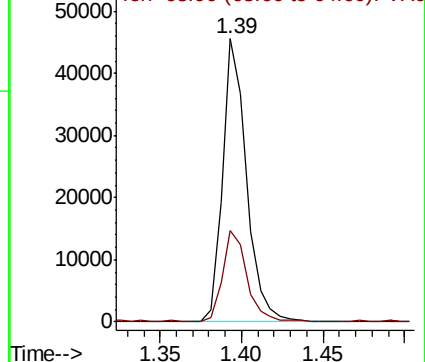
62 100

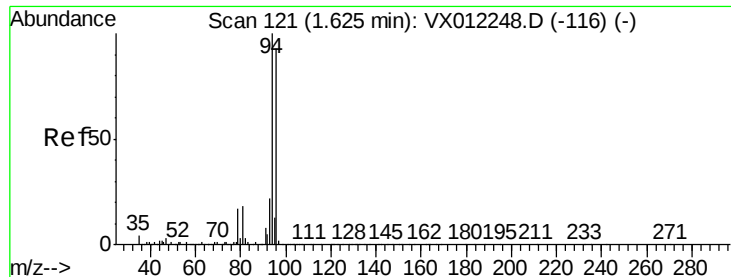
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 56.870 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

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ClientSampleId :

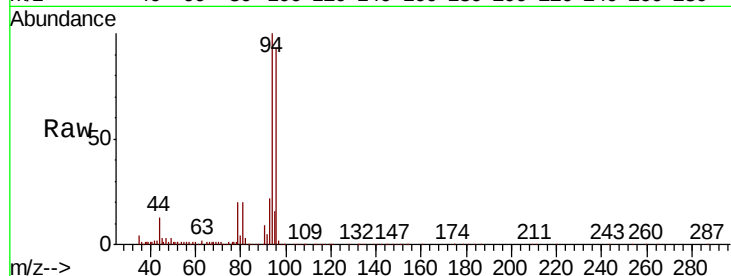
VSTDCCC050

Tgt Ion: 94 Resp: 24105

Ion Ratio Lower Upper

94 100

96 92.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

25000

20000

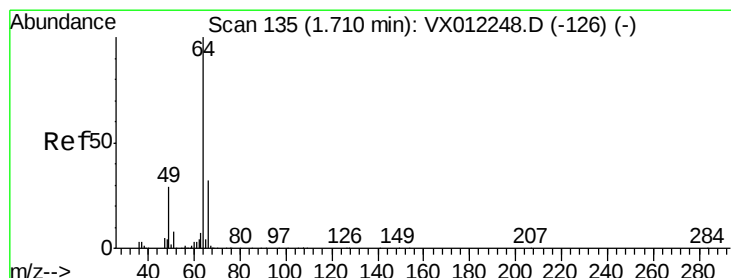
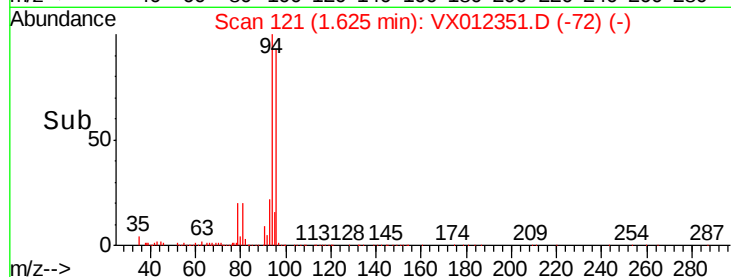
15000

10000

5000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 45.731 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012351.D

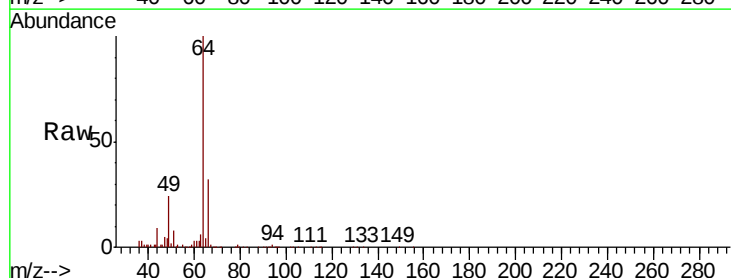
Acq: 12 Sep 2019 16:53

Tgt Ion: 64 Resp: 32342

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

25000

20000

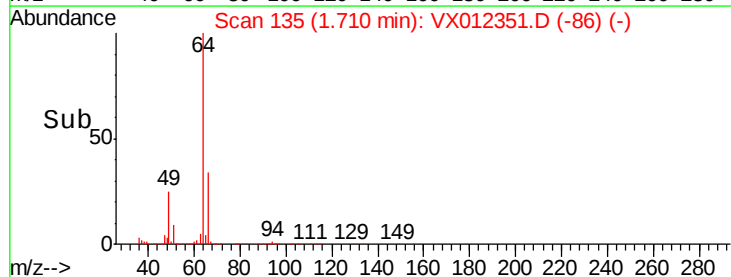
15000

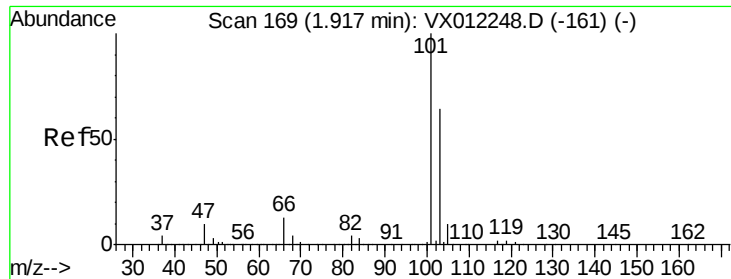
10000

5000

0

Time--> 1.65 1.70 1.75 1.80



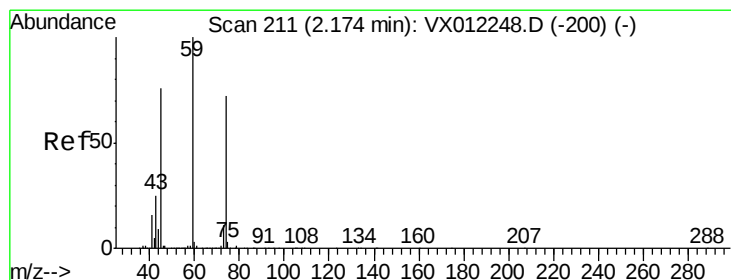
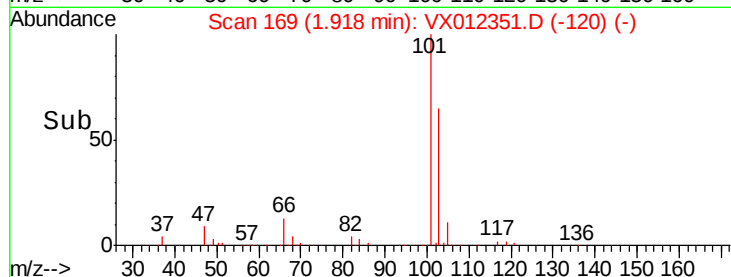
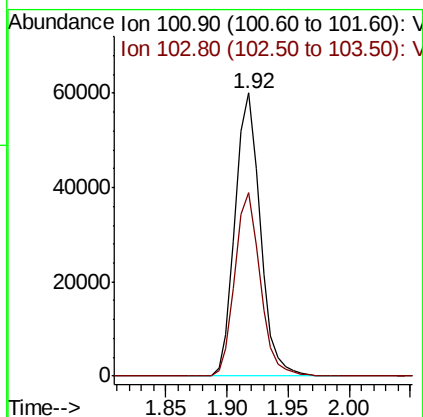
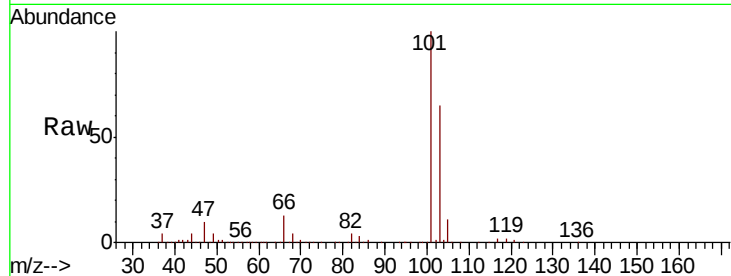


#7

Trichlorofluoromethane
Concen: 44.915 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
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ClientSampleId :
VSTDCCC050

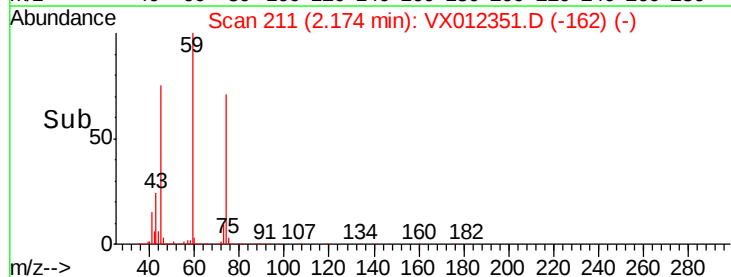
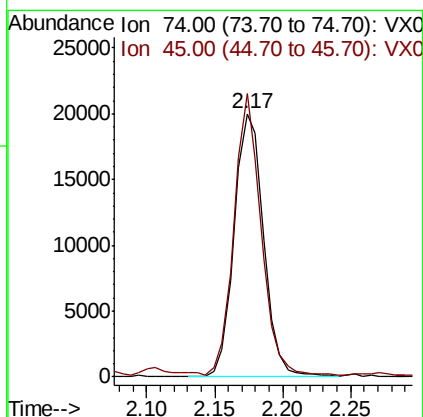
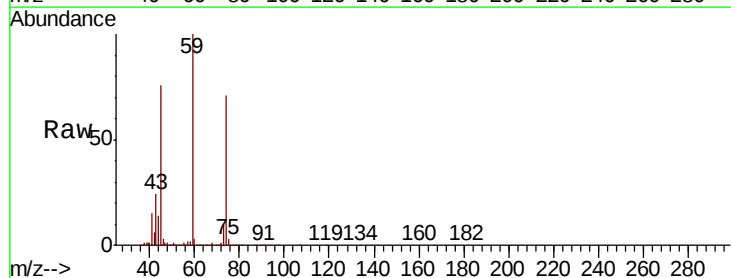
Tgt Ion:101 Resp: 85973
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

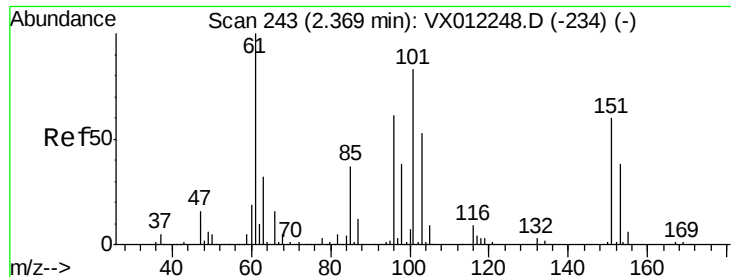


#8

Diethyl Ether
Concen: 46.070 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 74 Resp: 30091
Ion Ratio Lower Upper
74 100
45 98.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.984 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

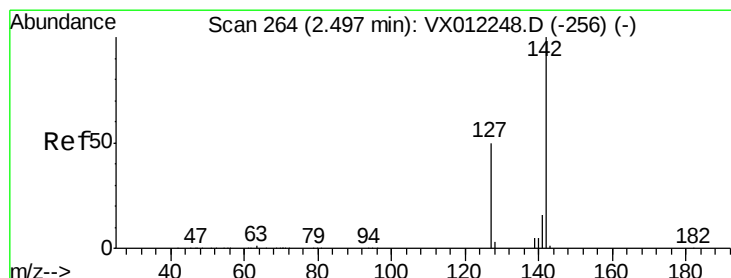
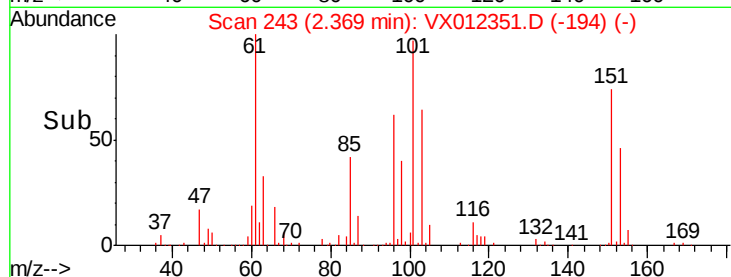
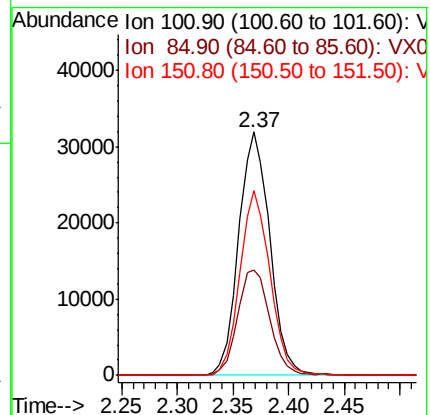
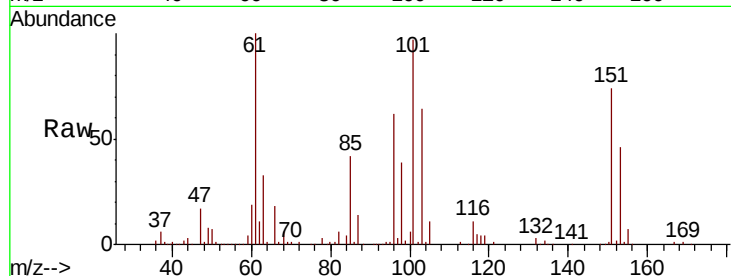
Tgt Ion:101 Resp: 61903

Ion Ratio Lower Upper

101 100

85 44.9 37.0 55.6

151 73.1 58.6 87.8



#10

Methyl Iodide

Concen: 30.453 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

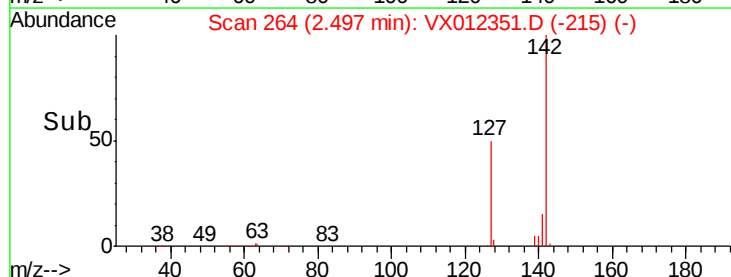
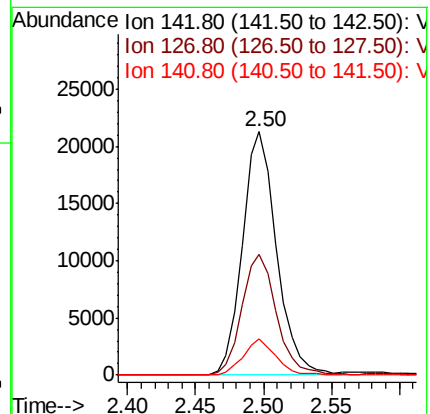
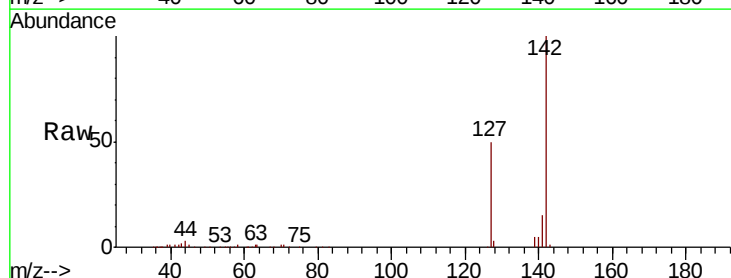
Tgt Ion:142 Resp: 37391

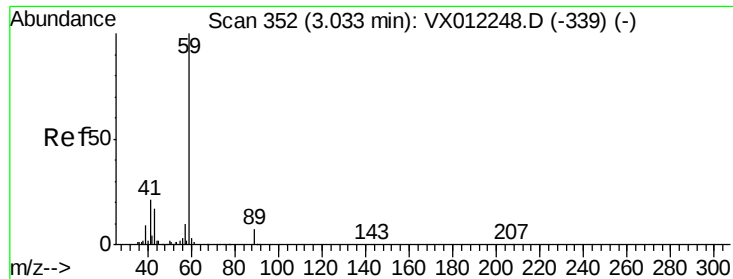
Ion Ratio Lower Upper

142 100

127 50.3 40.6 61.0

141 14.5 12.0 18.0

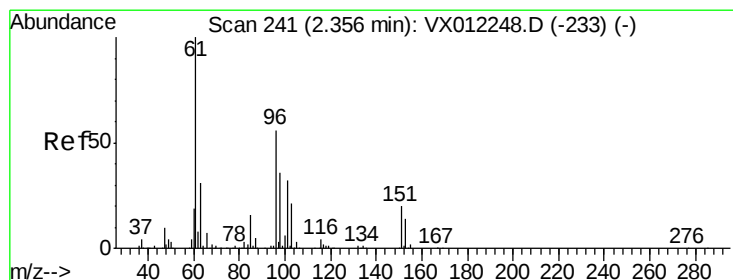
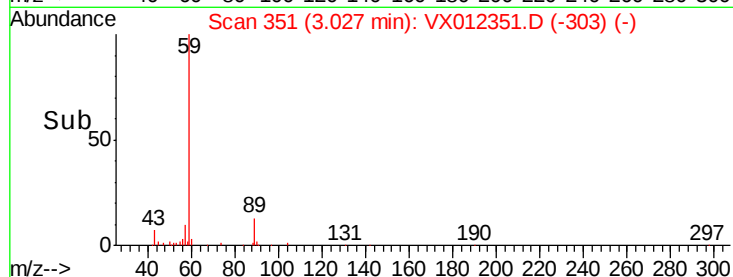
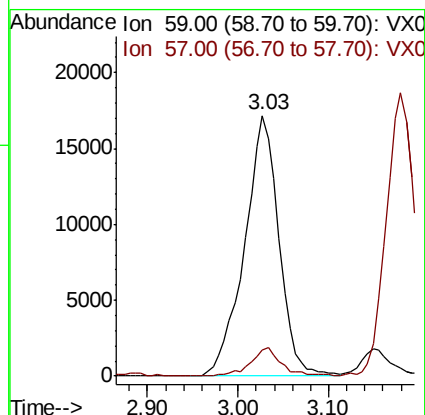
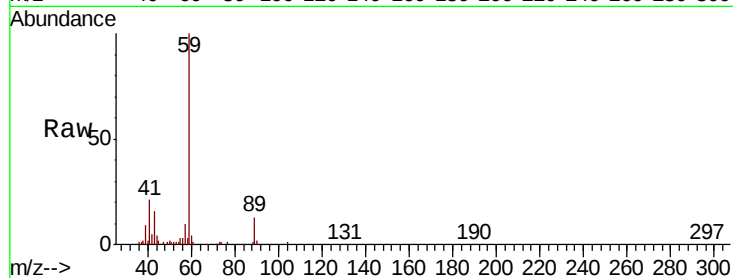




#11
Tert butyl alcohol
Concen: 206.542 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

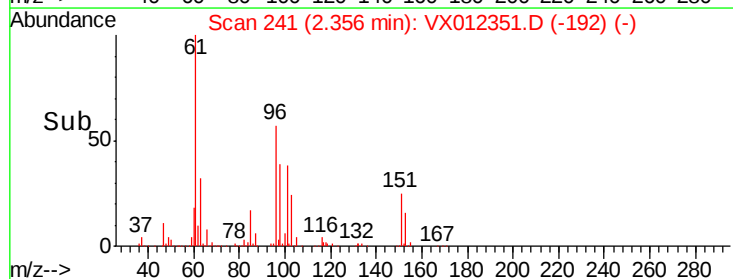
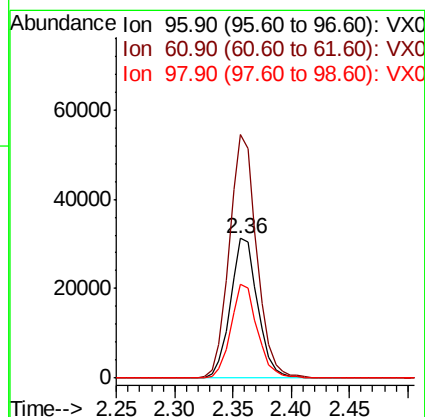
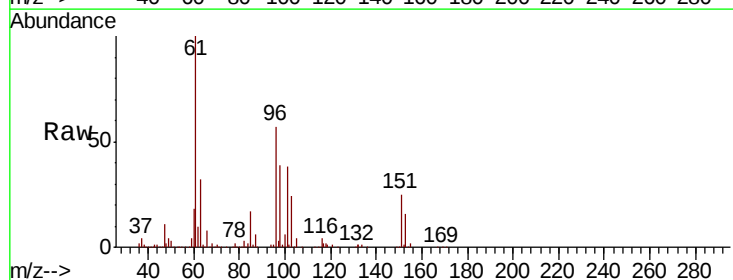
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

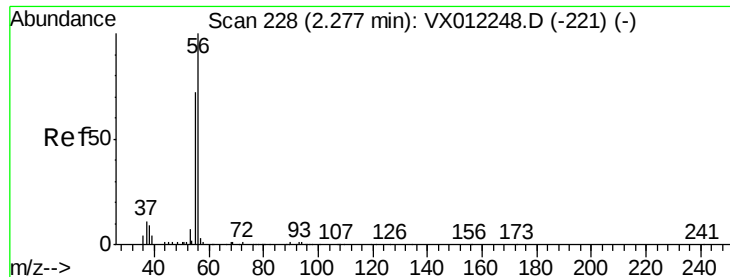
Tgt Ion: 59 Resp: 45228
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.6



#12
1,1-Dichloroethene
Concen: 46.469 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 96 Resp: 50894
Ion Ratio Lower Upper
96 100
61 174.0 142.2 213.2
98 67.1 51.3 76.9





#13

Acrolein

Concen: 284.788 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

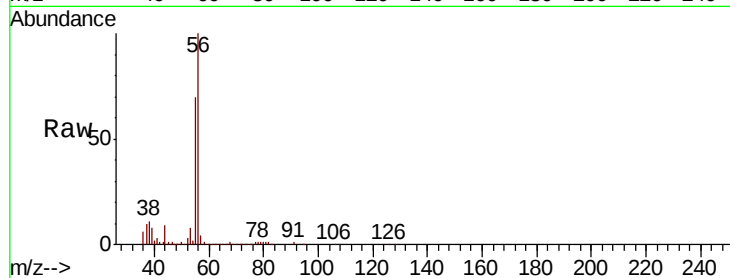
VSTDCCC050

Tgt Ion: 56 Resp: 30464

Ion Ratio Lower Upper

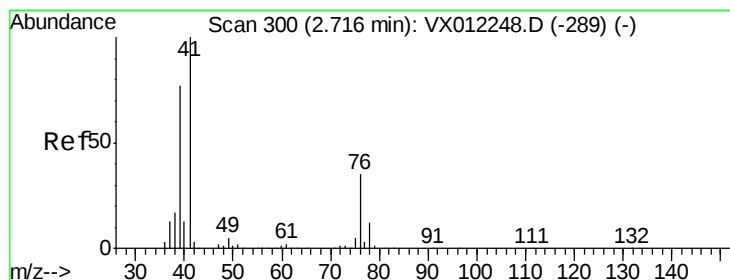
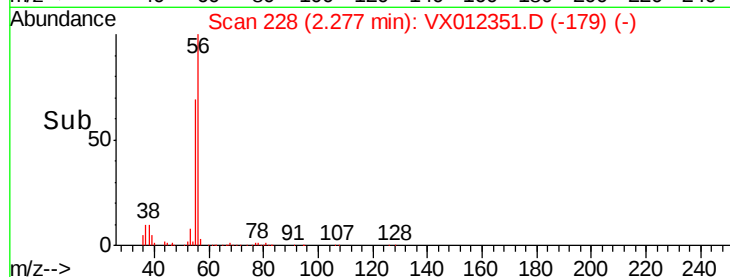
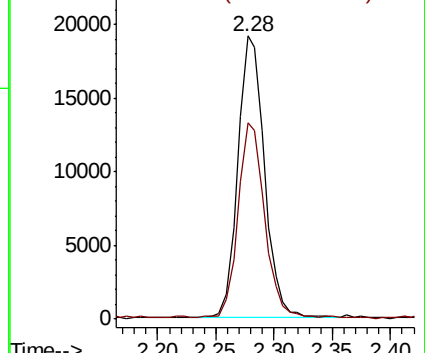
56 100

55 68.2 59.8 89.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.858 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

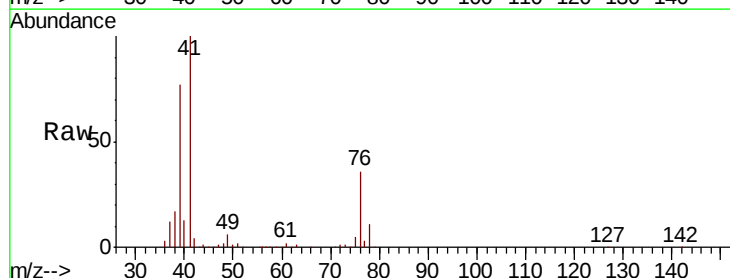
Tgt Ion: 41 Resp: 100166

Ion Ratio Lower Upper

41 100

39 74.2 58.6 87.8

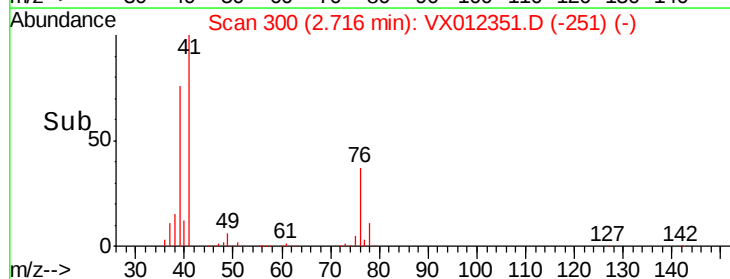
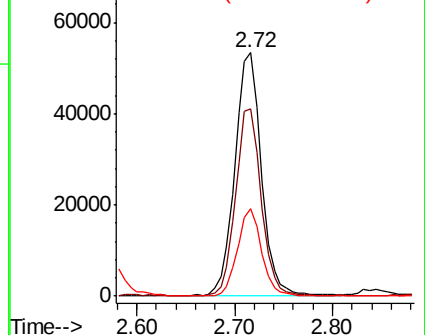
76 33.1 26.3 39.5

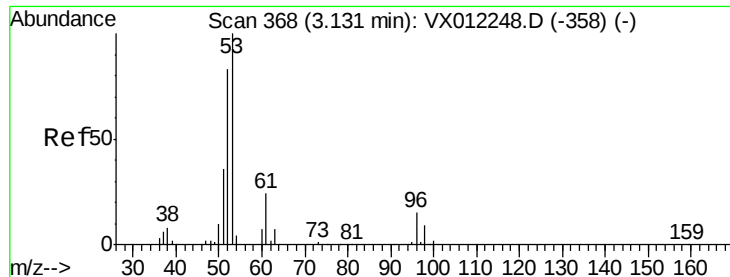


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 227.441 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

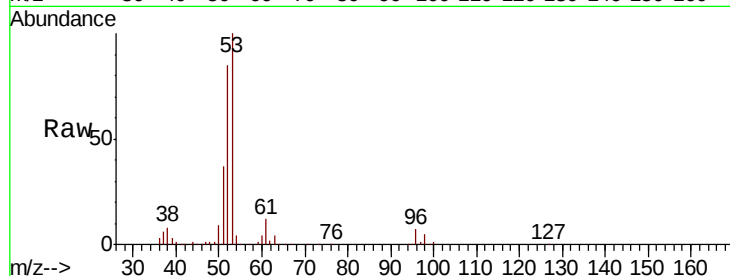
Tgt Ion: 53 Resp: 91830

Ion Ratio Lower Upper

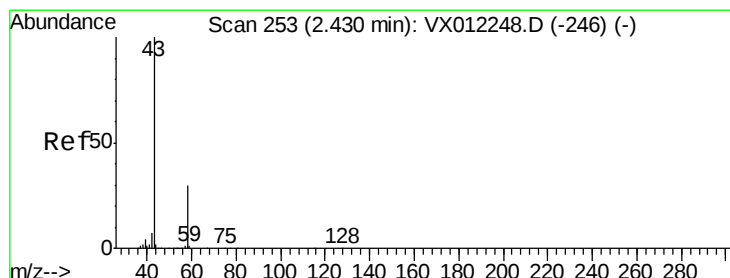
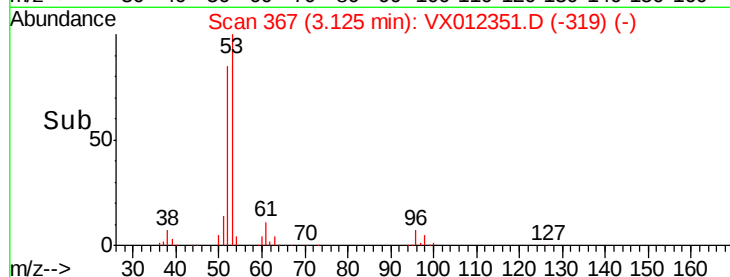
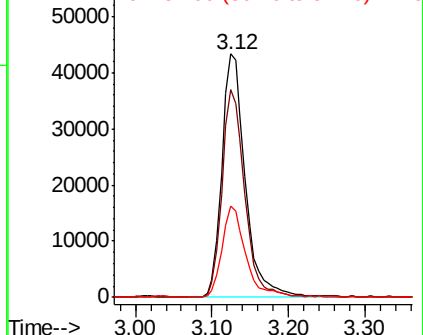
53 100

52 82.7 66.8 100.2

51 37.9 30.7 46.1



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: 222.486 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012351.D

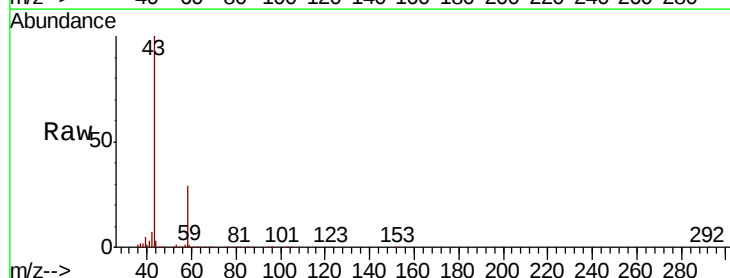
Acq: 12 Sep 2019 16:53

Tgt Ion: 43 Resp: 107778

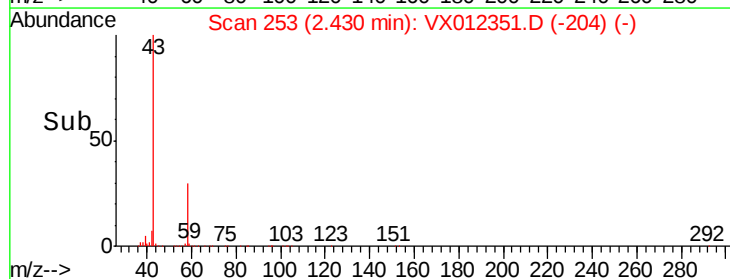
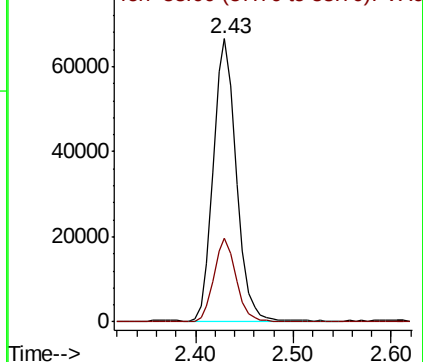
Ion Ratio Lower Upper

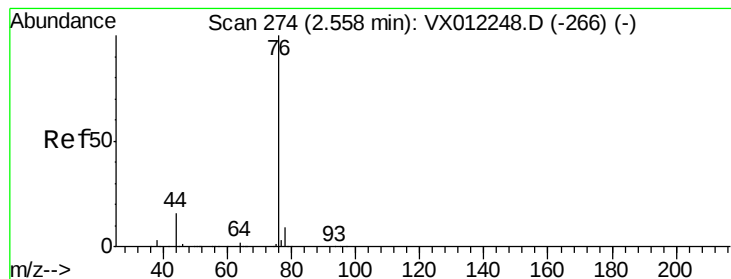
43 100

58 29.5 23.6 35.4



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





#17

Carbon Disulfide

Concen: 42.312 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

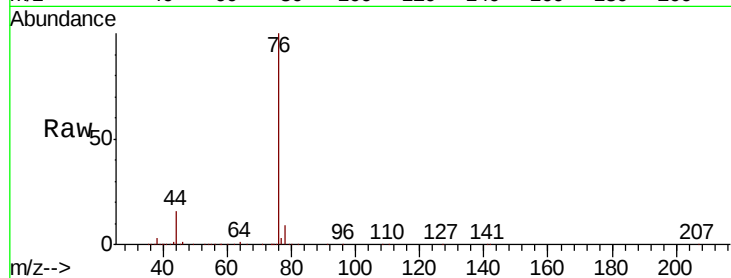
VSTDCCC050

Tgt Ion: 76 Resp: 97313

Ion Ratio Lower Upper

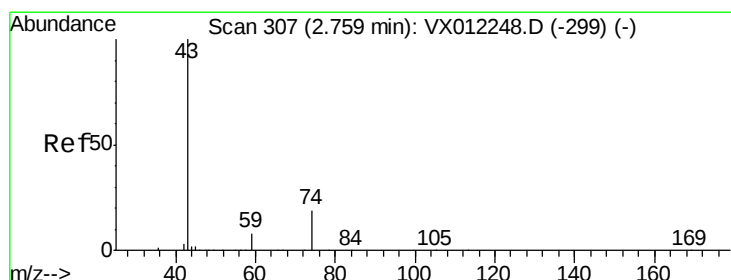
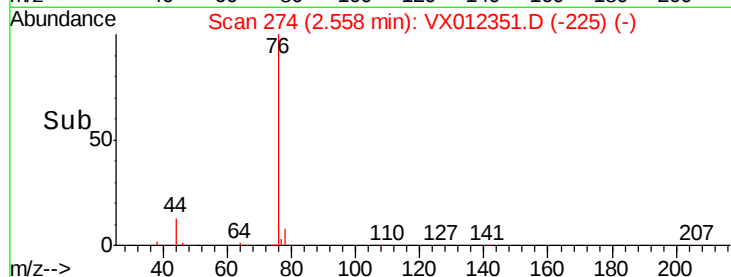
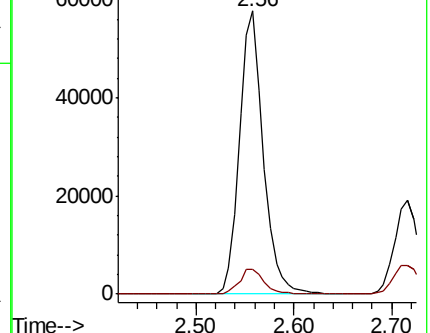
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 42.597 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012351.D

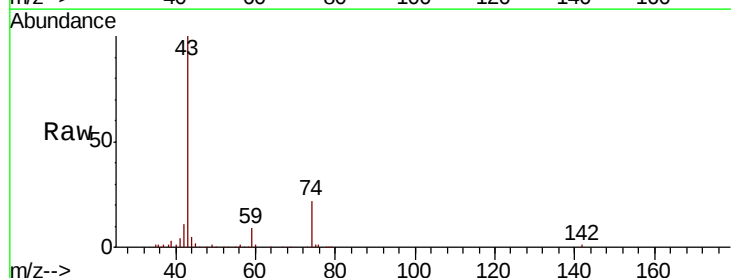
Acq: 12 Sep 2019 16:53

Tgt Ion: 43 Resp: 43372

Ion Ratio Lower Upper

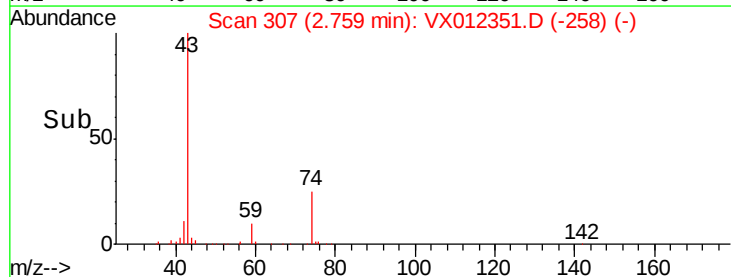
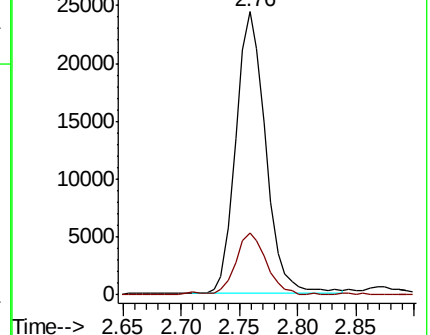
43 100

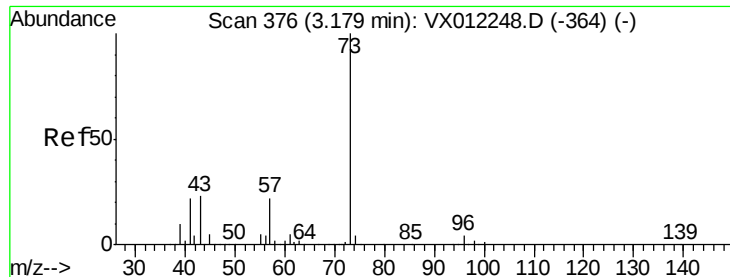
74 22.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

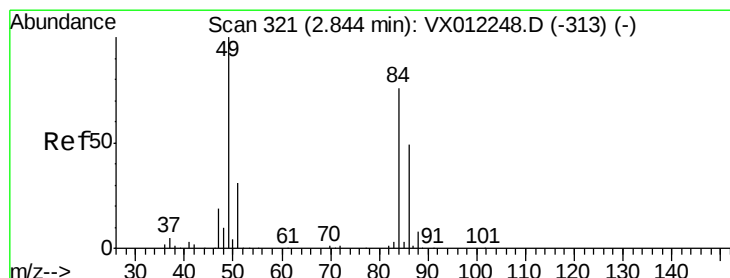
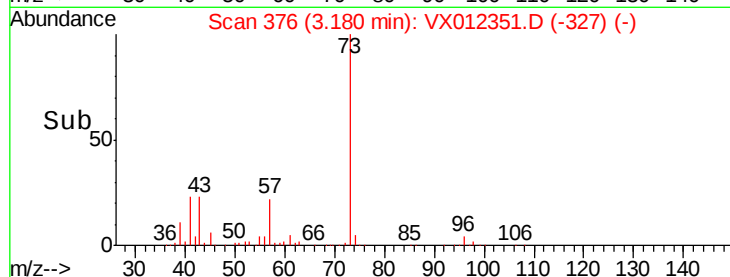
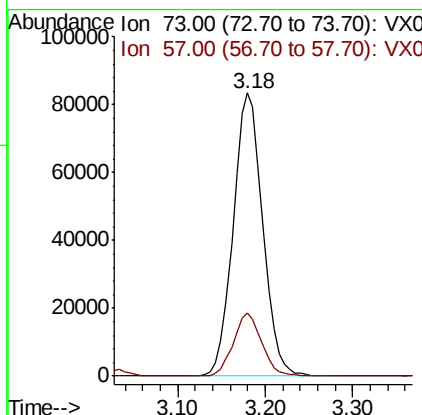
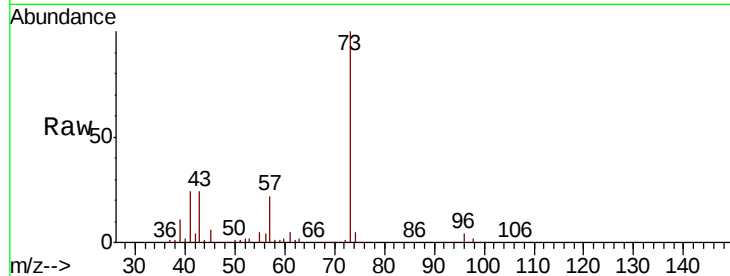




#19
Methyl tert-butyl Ether
Concen: 45.099 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

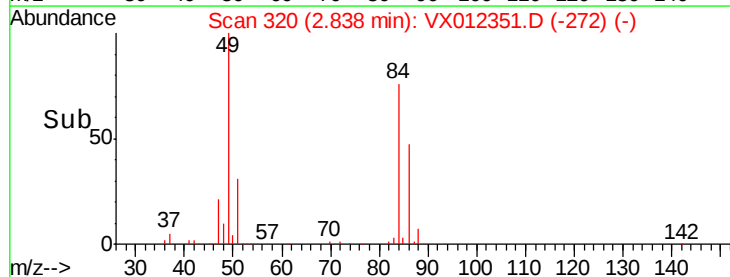
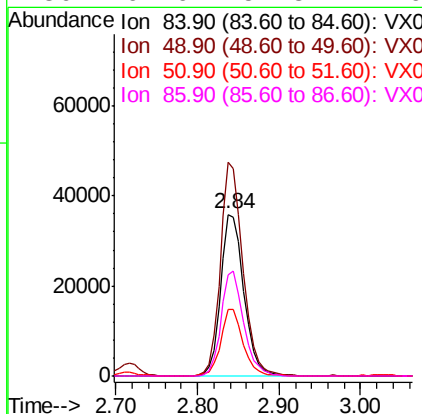
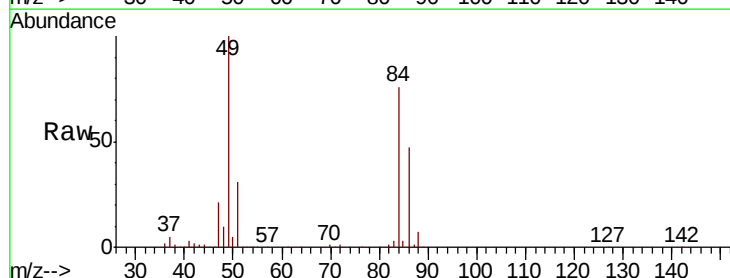
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

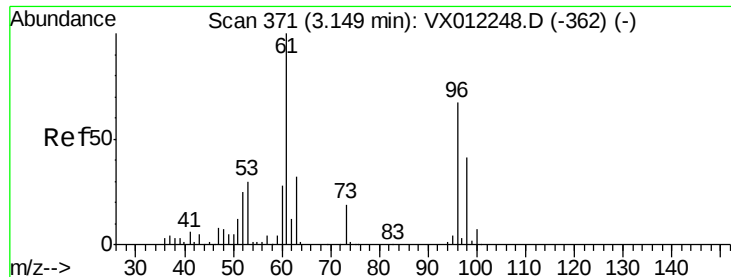
Tgt Ion: 73 Resp: 195061
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5



#20
Methylene Chloride
Concen: 46.526 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 84 Resp: 70593
Ion Ratio Lower Upper
84 100
49 131.9 105.0 157.6
51 41.4 32.6 48.8
86 62.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.940 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

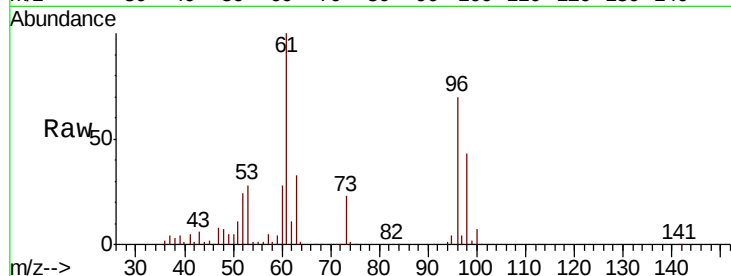
Tgt Ion: 96 Resp: 60029

Ion Ratio Lower Upper

96 100

61 143.0 119.4 179.2

98 61.8 48.4 72.6

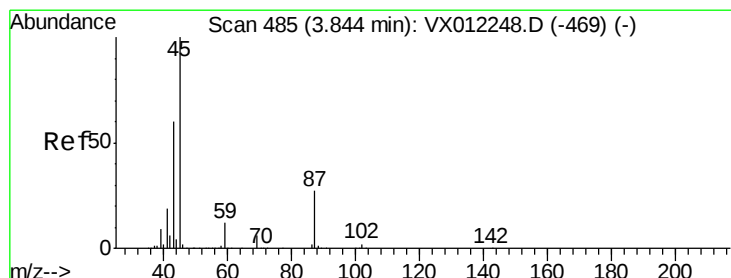
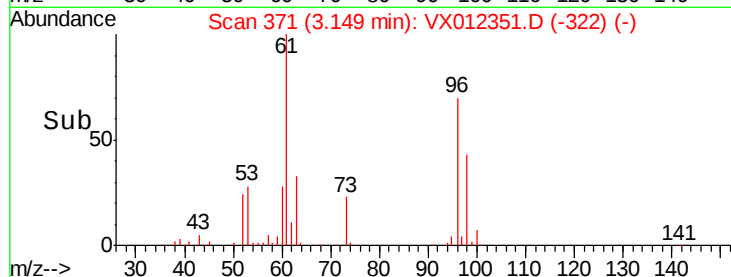
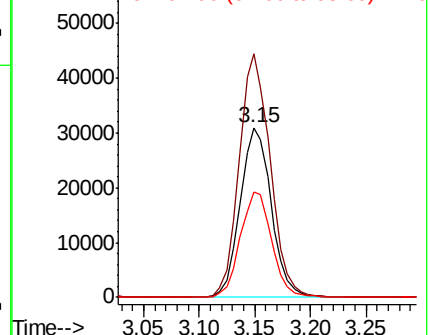


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.543 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion: 45 Resp: 237680

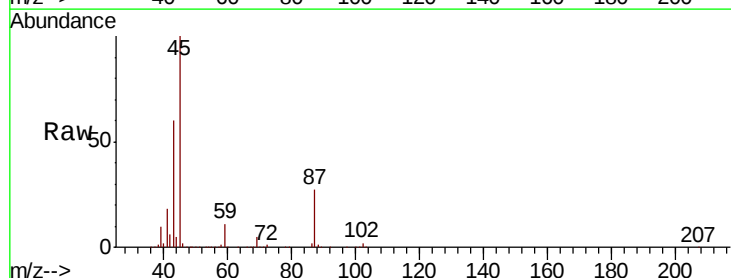
Ion Ratio Lower Upper

45 100

43 59.4 48.3 72.5

87 26.9 21.8 32.8

59 11.0 9.1 13.7



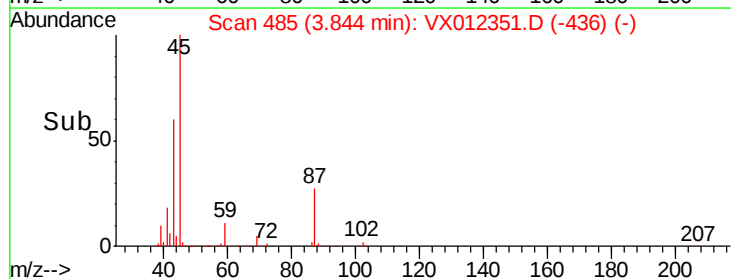
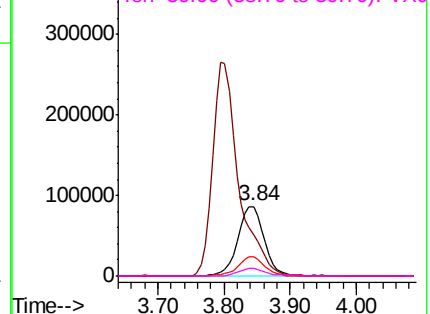
Abundance

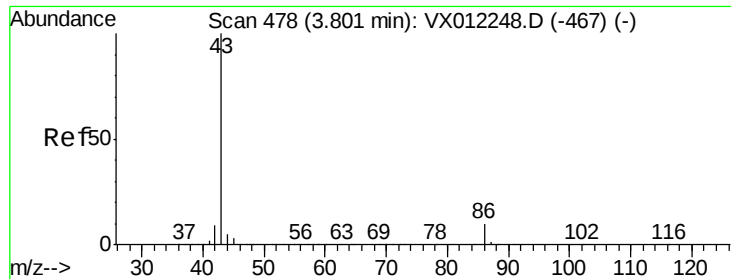
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 231.074 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

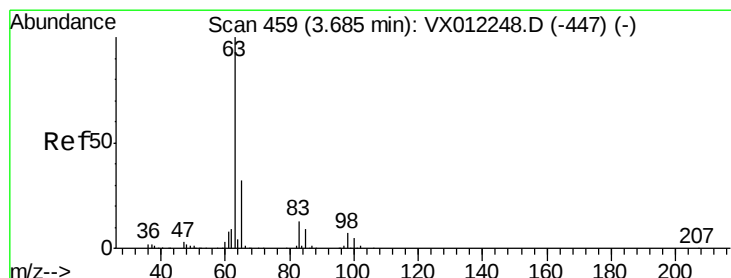
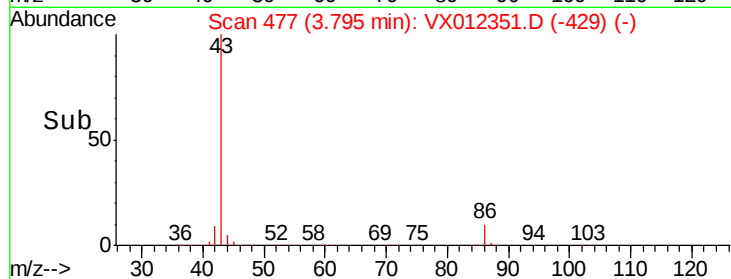
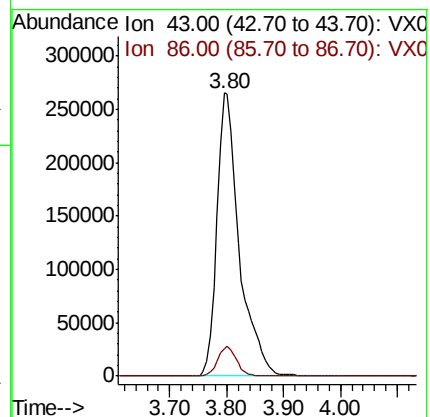
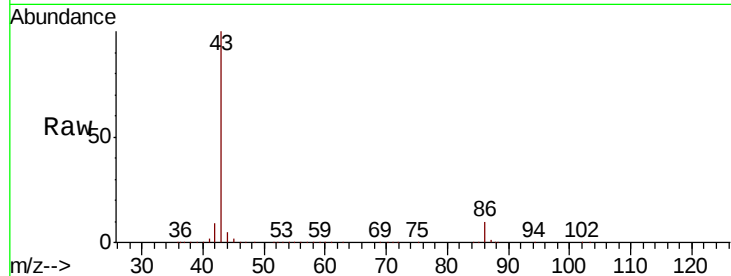
VSTDCCC050

Tgt Ion: 43 Resp: 723992

Ion Ratio Lower Upper

43 100

86 9.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 46.823 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

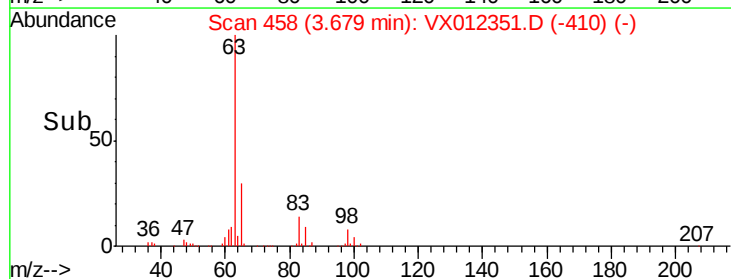
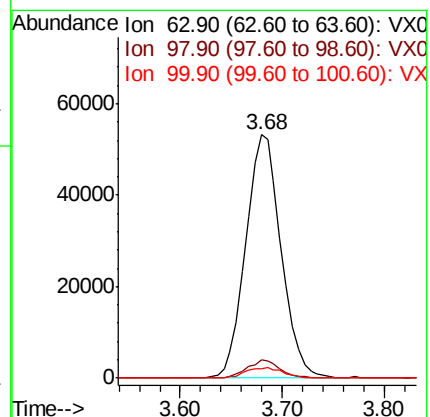
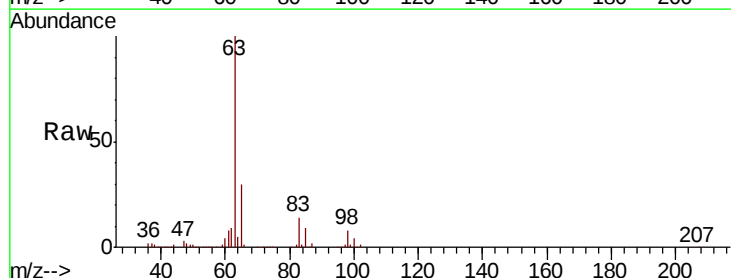
Tgt Ion: 63 Resp: 128078

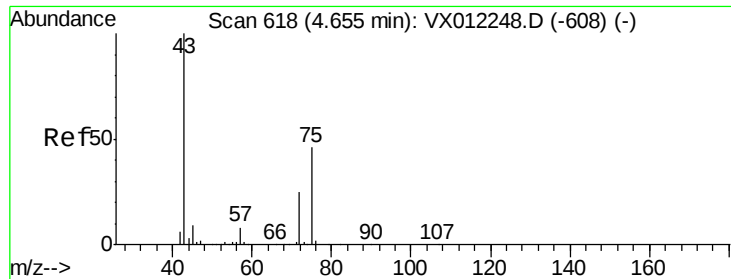
Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 219.386 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

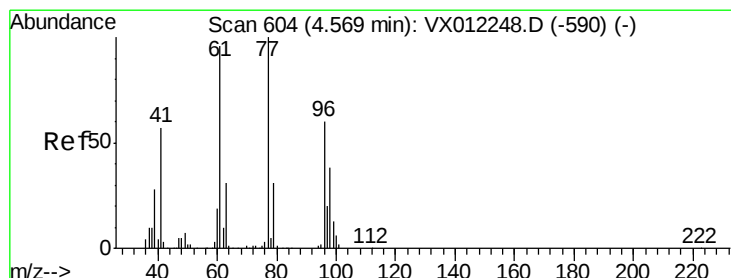
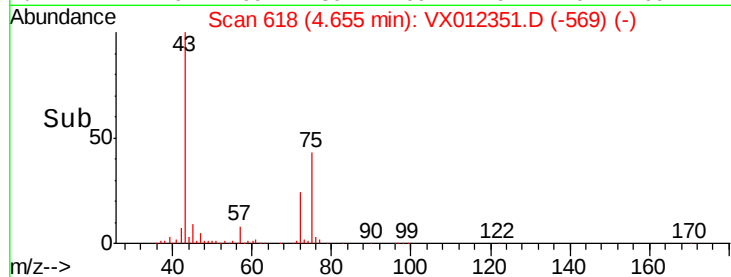
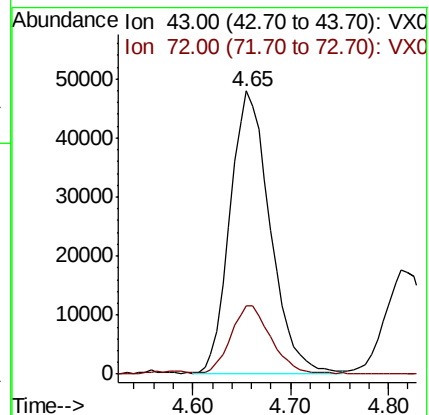
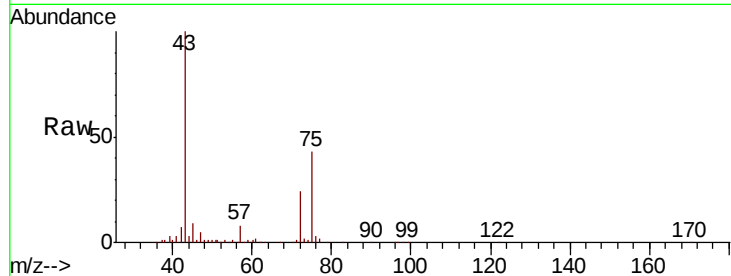
VSTDCCC050

Tgt Ion: 43 Resp: 135859

Ion Ratio Lower Upper

43 100

72 24.0 20.2 30.2



#26

2,2-Dichloropropane

Concen: 46.309 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012351.D

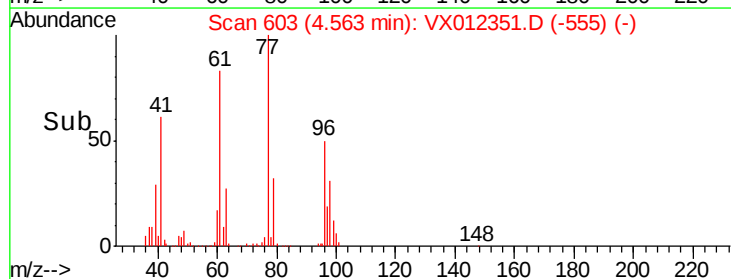
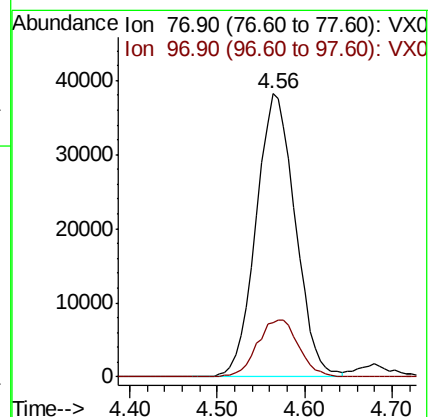
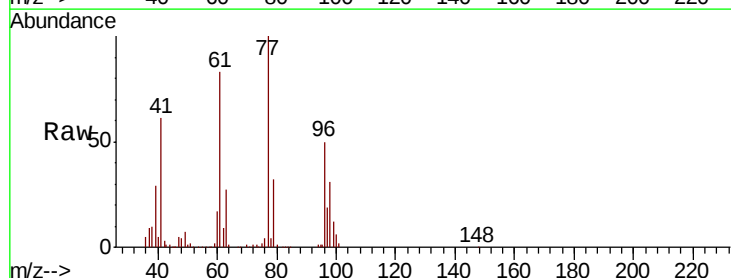
Acq: 12 Sep 2019 16:53

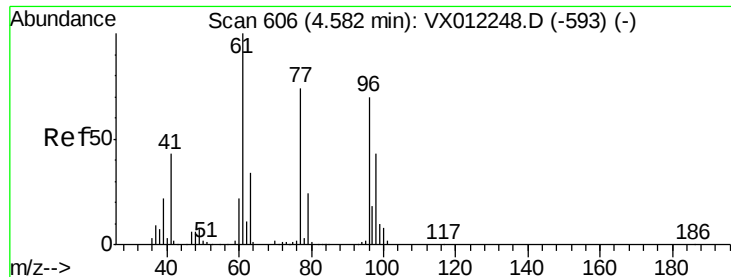
Tgt Ion: 77 Resp: 118925

Ion Ratio Lower Upper

77 100

97 21.3 10.7 32.1



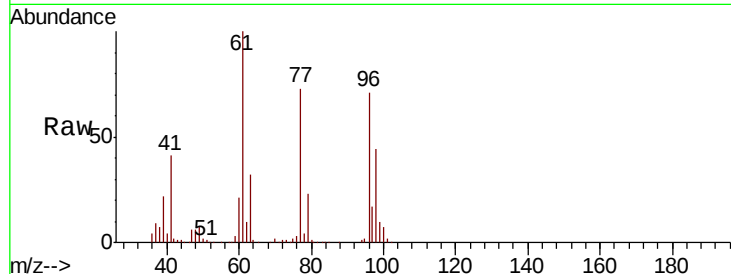


#27

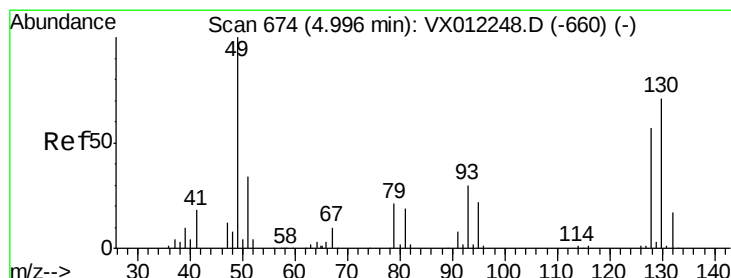
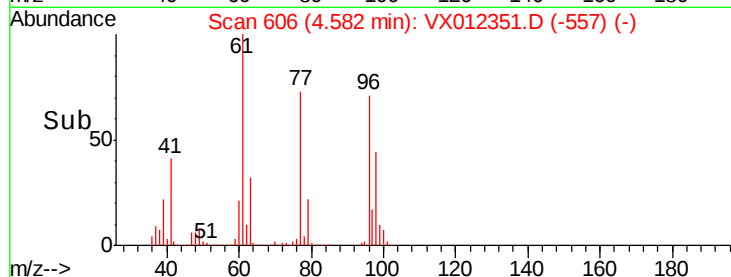
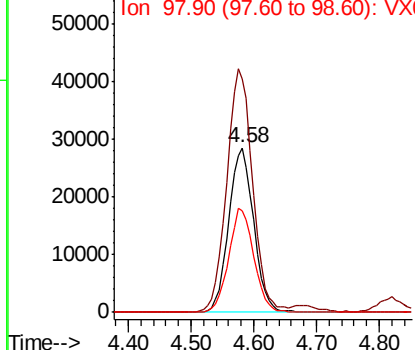
cis-1,2-Dichloroethene
Concen: 46.705 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 78791
Ion Ratio Lower Upper
96 100
61 153.1 0.0 310.4
98 63.1 0.0 128.8



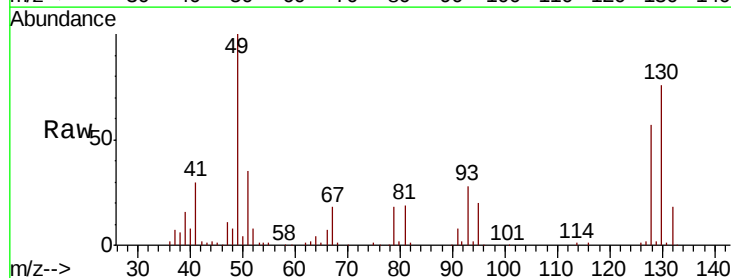
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



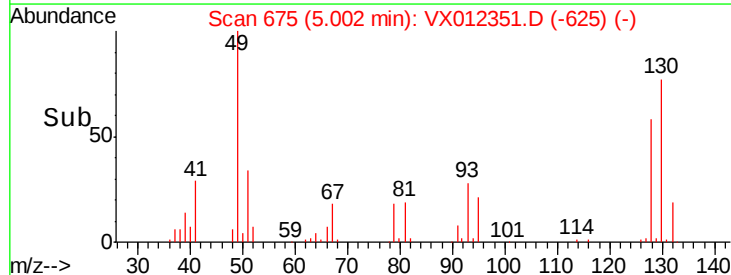
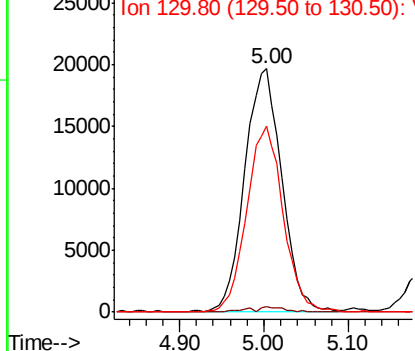
#28

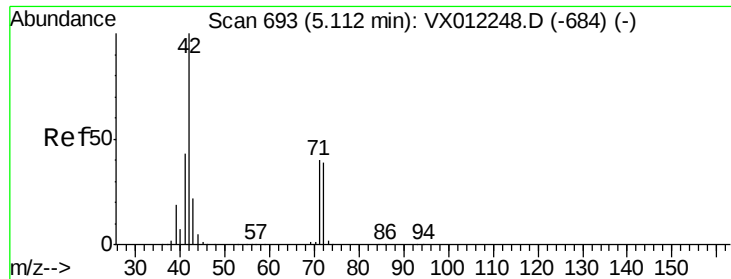
Bromochloromethane
Concen: 46.046 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 49 Resp: 59072
Ion Ratio Lower Upper
49 100
129 1.4 0.0 5.2
130 74.8 60.1 90.1



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: 225.193 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

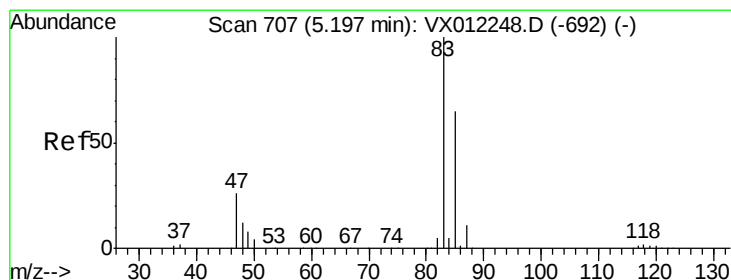
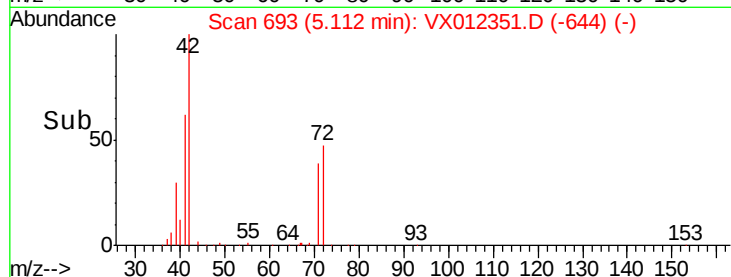
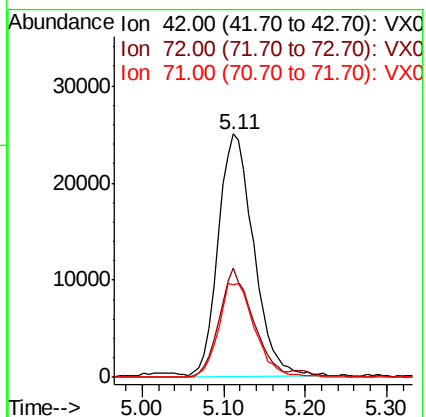
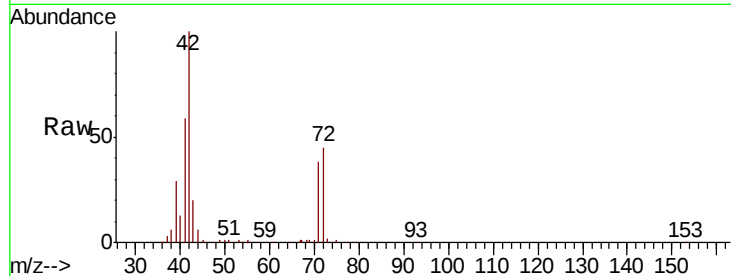
Tgt Ion: 42 Resp: 75242

Ion Ratio Lower Upper

42 100

72 42.6 35.2 52.8

71 40.0 32.5 48.7



#30

Chloroform

Concen: 46.028 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012351.D

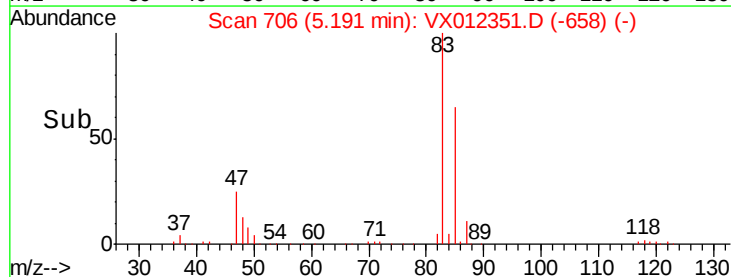
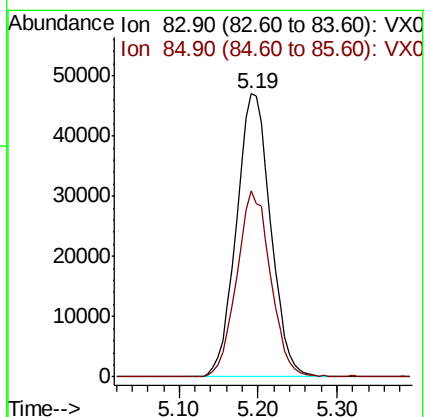
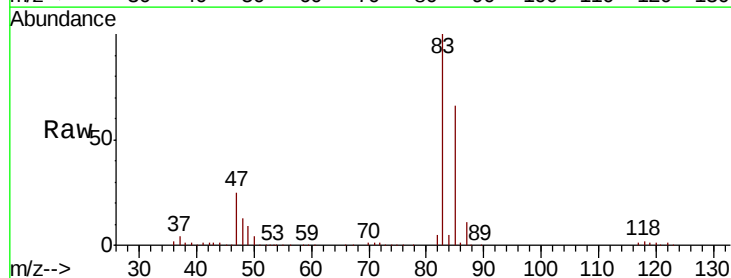
Acq: 12 Sep 2019 16:53

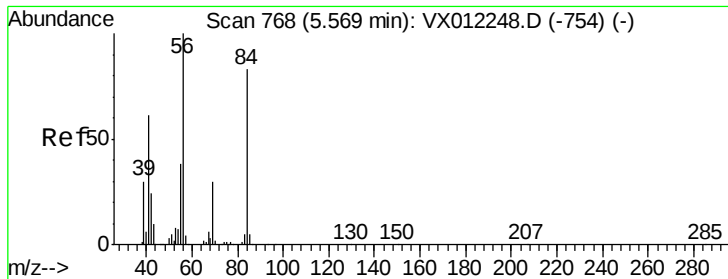
Tgt Ion: 83 Resp: 141973

Ion Ratio Lower Upper

83 100

85 65.7 52.3 78.5

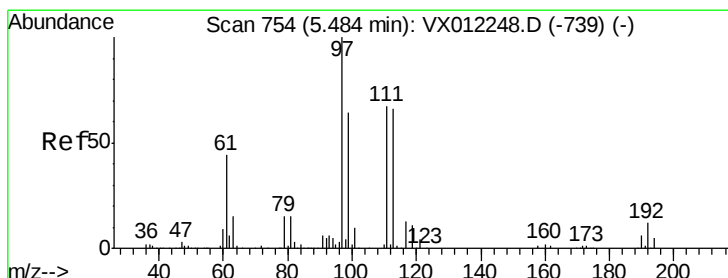
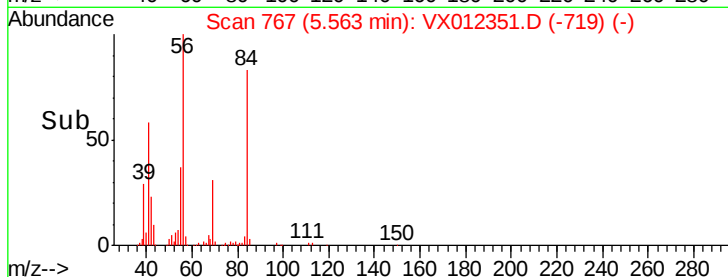
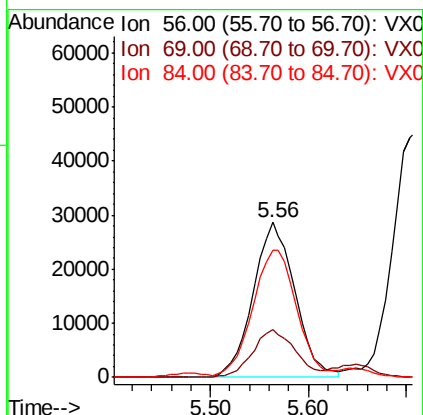
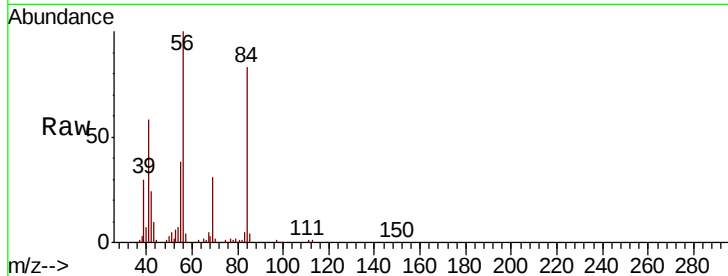




#31
Cyclohexane
Concen: 44.924 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

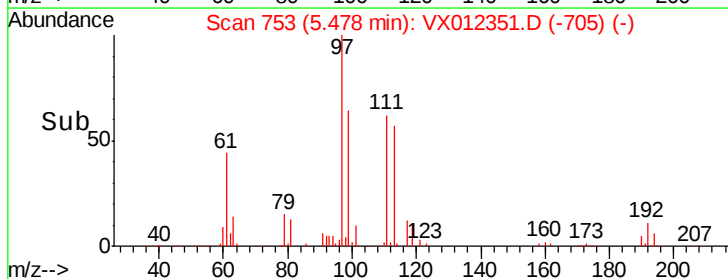
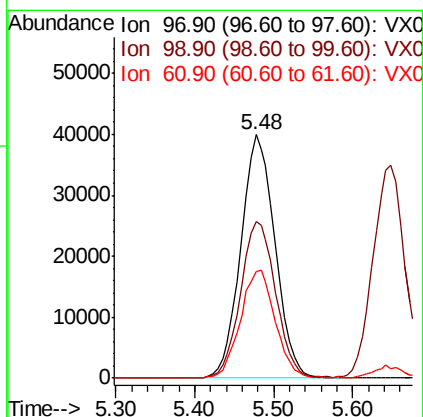
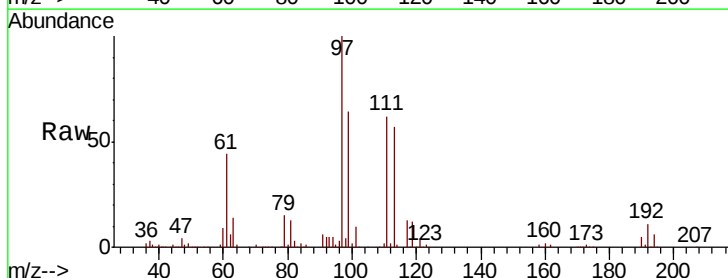
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

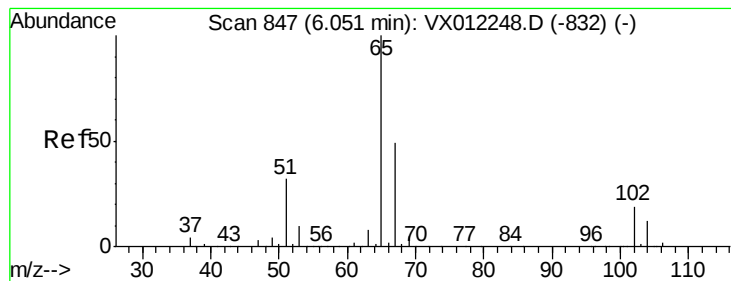
Tgt Ion: 56 Resp: 85360
Ion Ratio Lower Upper
56 100
69 31.0 23.8 35.6
84 80.0 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 45.403 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 97 Resp: 120252
Ion Ratio Lower Upper
97 100
99 66.1 51.3 76.9
61 45.3 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 44.180 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

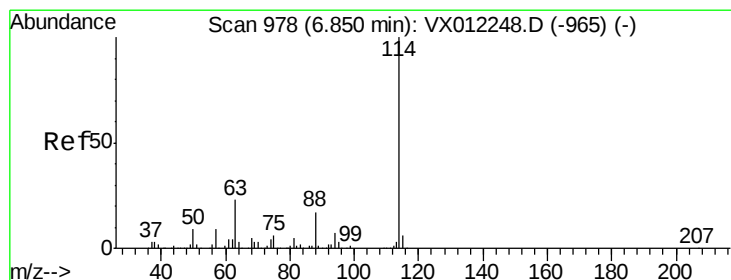
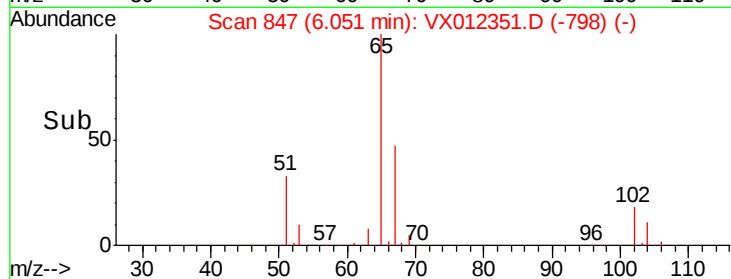
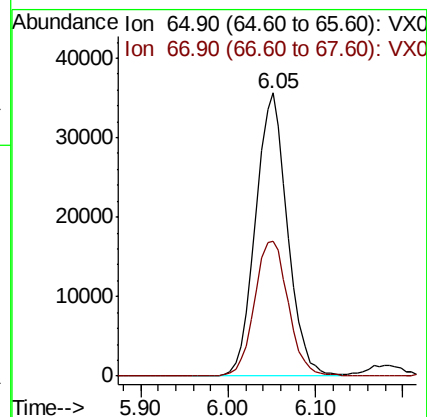
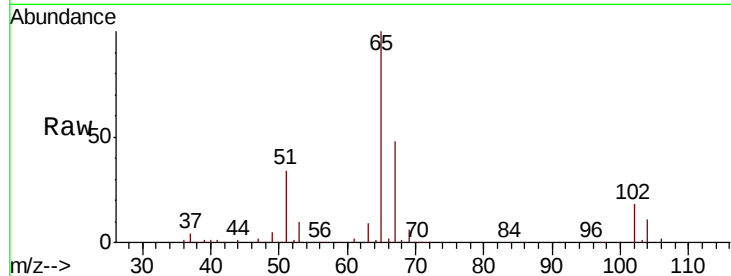
VSTDCCC050

Tgt Ion: 65 Resp: 90406

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

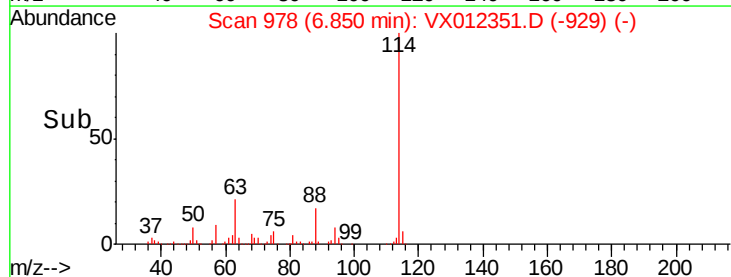
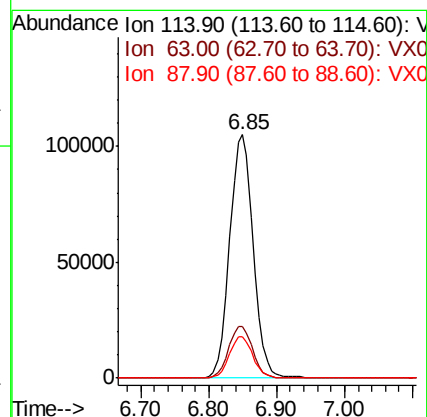
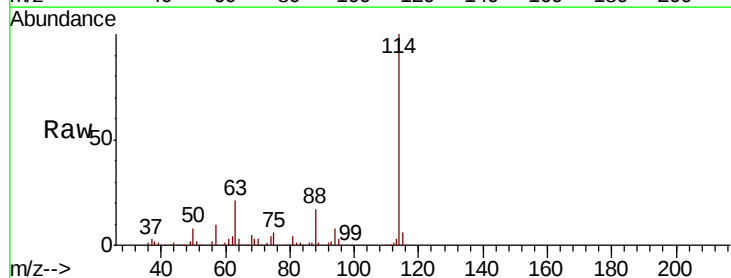
Tgt Ion: 114 Resp: 251350

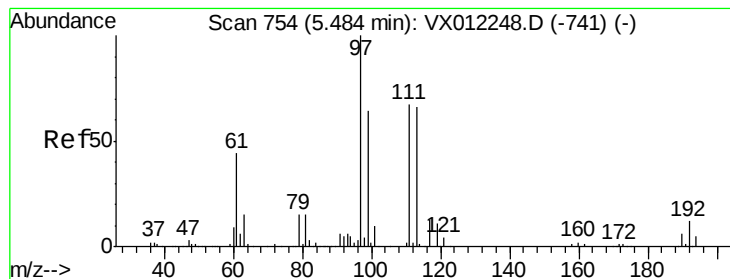
Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

88 17.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 44.912 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

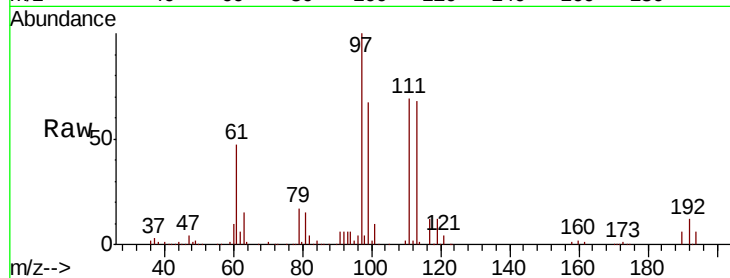
Tgt Ion:113 Resp: 72366

Ion Ratio Lower Upper

113 100

111 105.0 83.0 124.6

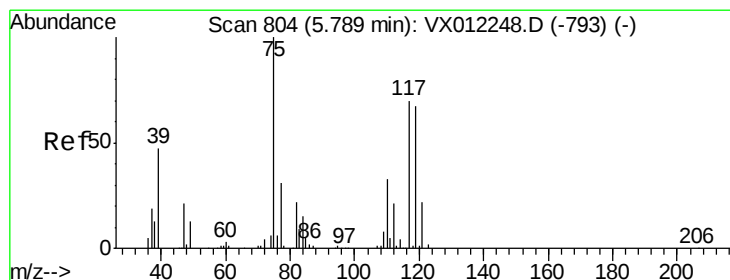
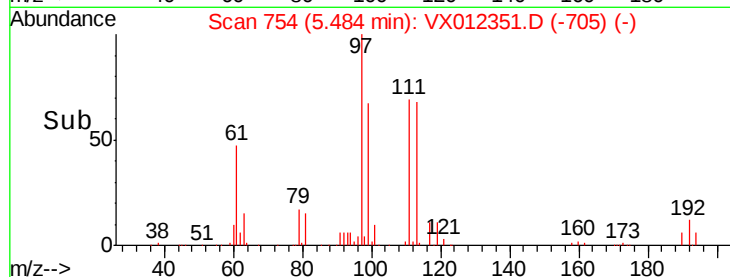
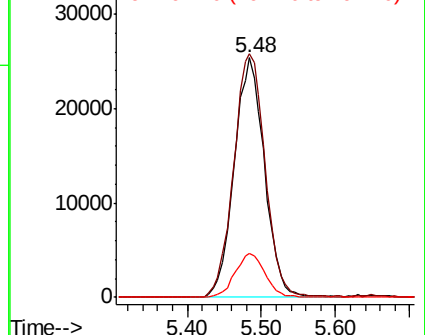
192 18.1 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.386 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

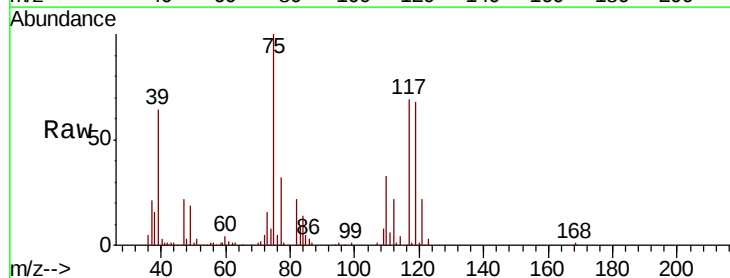
Tgt Ion: 75 Resp: 86847

Ion Ratio Lower Upper

75 100

110 34.5 16.8 50.4

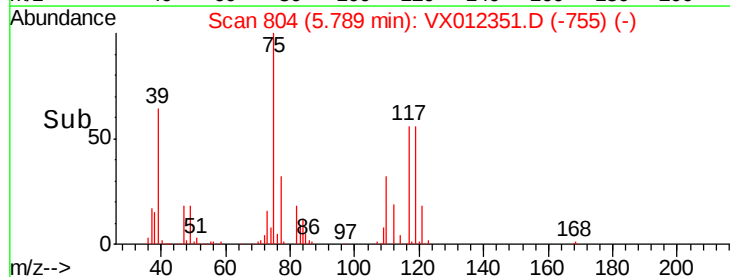
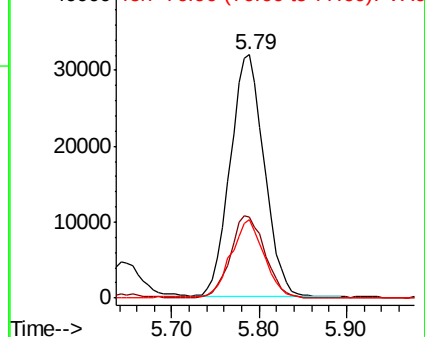
77 31.6 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

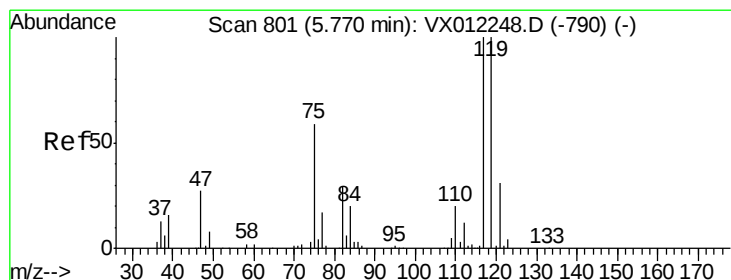
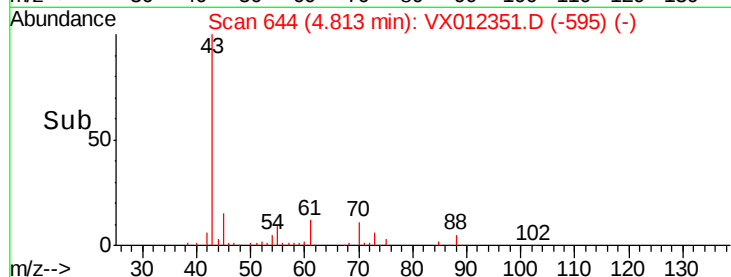
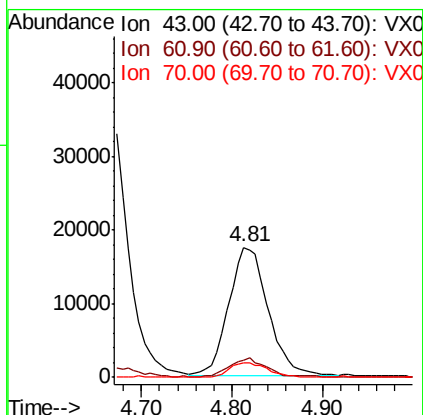
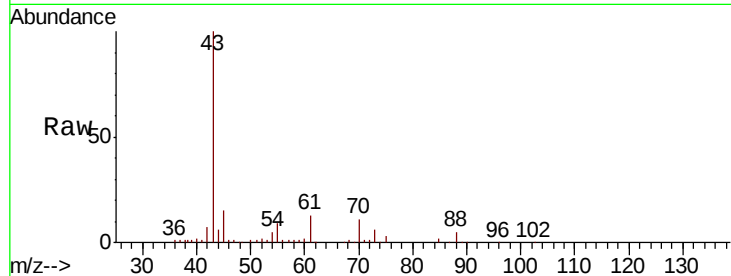




#37
Ethyl Acetate
Concen: 46.037 ug/l
RT: 4.81 min Scan# 644
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

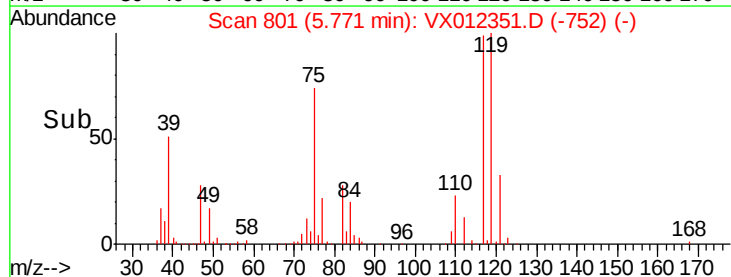
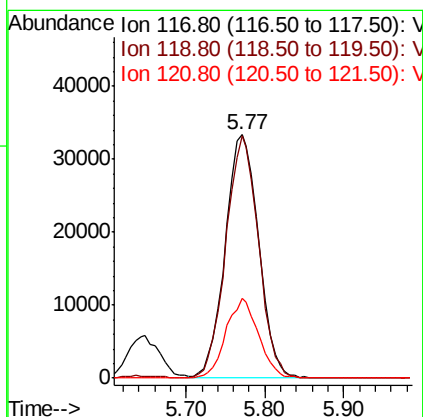
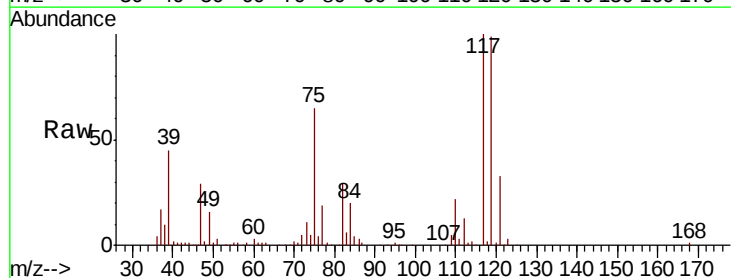
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

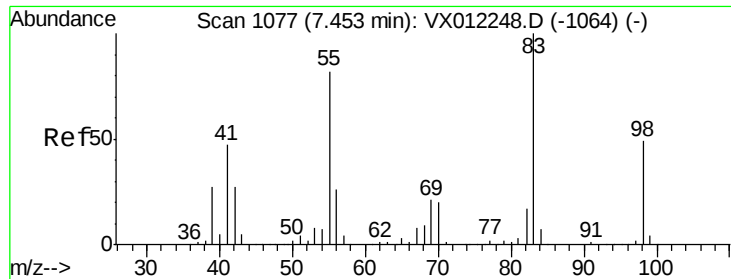
Tgt Ion: 43 Resp: 52157
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 11.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 45.959 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 117 Resp: 98826
Ion Ratio Lower Upper
117 100
119 99.4 79.6 119.4
121 32.8 24.7 37.1

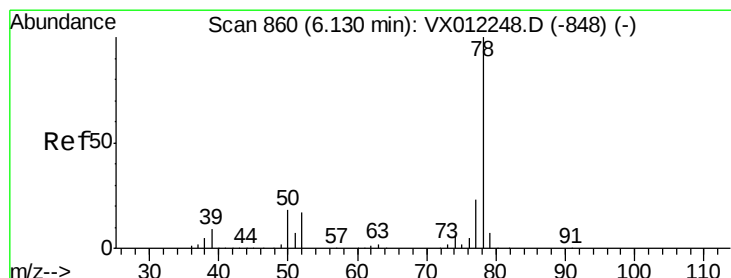
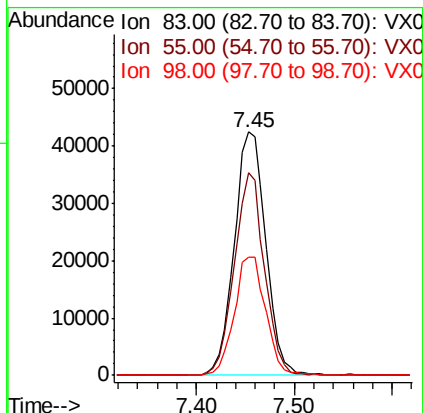
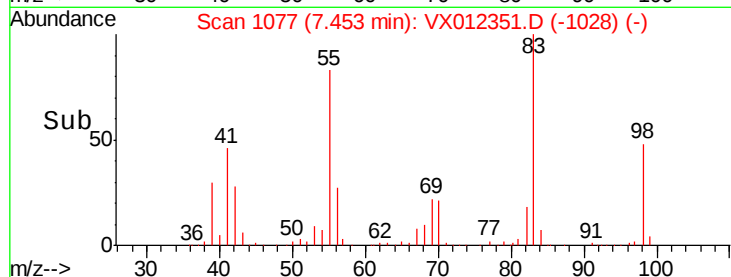
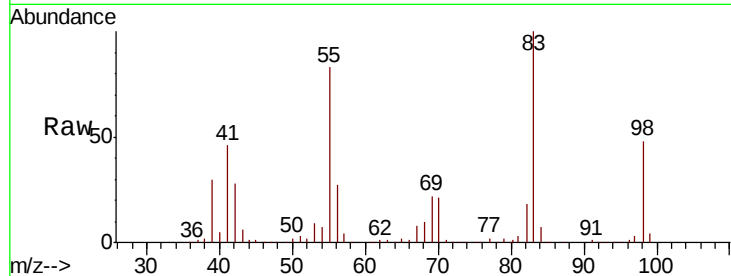




#39
Methylcyclohexane
Concen: 47.161 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

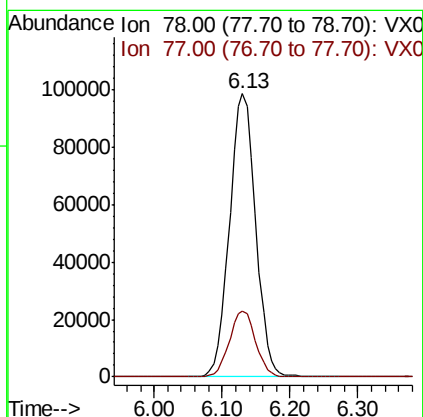
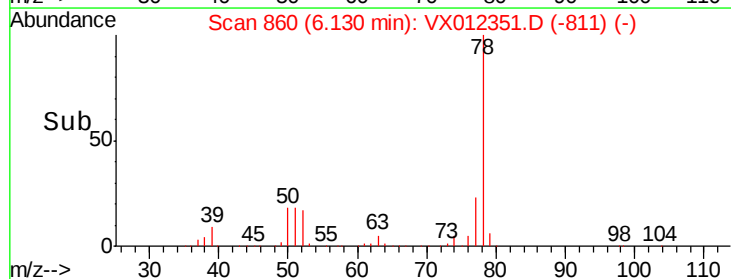
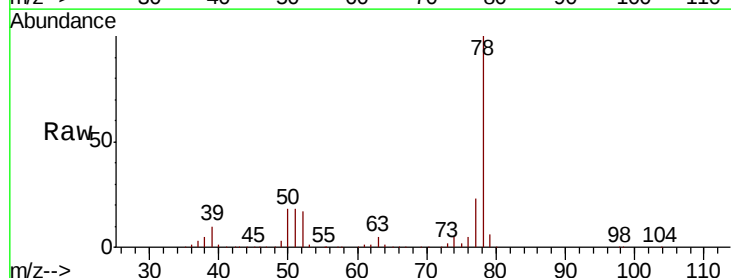
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

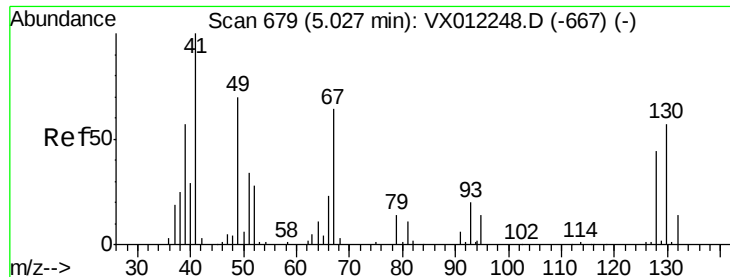
Tgt Ion: 83 Resp: 94856
Ion Ratio Lower Upper
83 100
55 83.1 65.4 98.2
98 48.3 39.6 59.4



#40
Benzene
Concen: 47.291 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 78 Resp: 262322
Ion Ratio Lower Upper
78 100
77 23.4 18.0 27.0

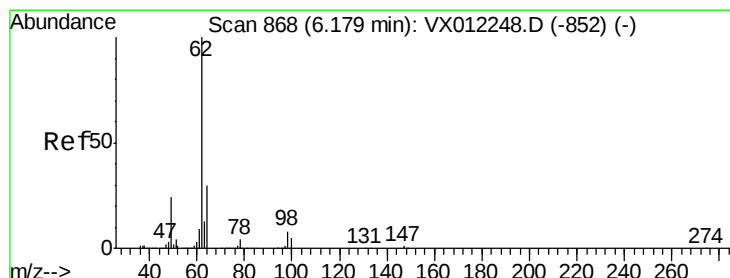
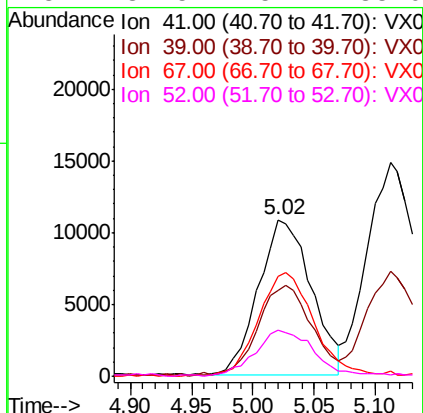
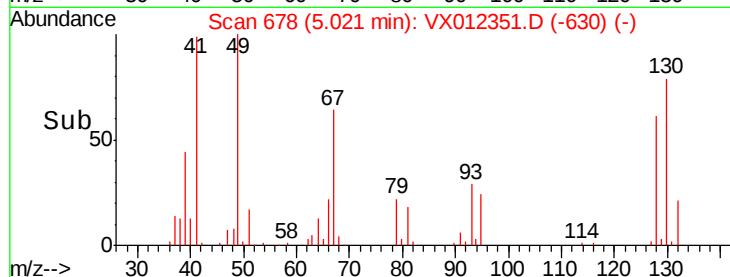
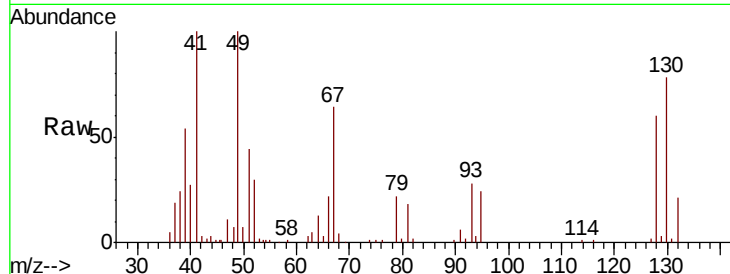




#41
Methacrylonitrile
Concen: 47.251 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

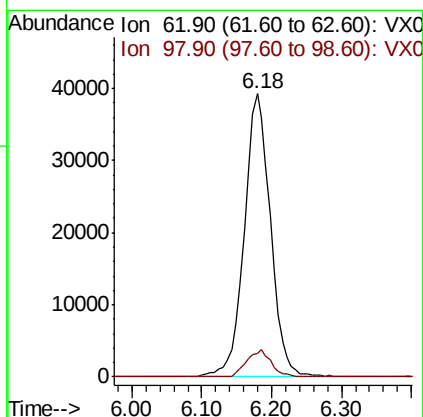
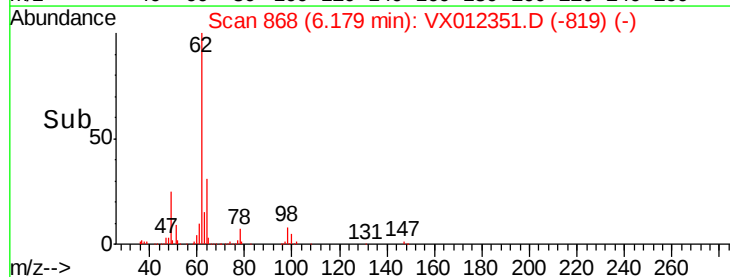
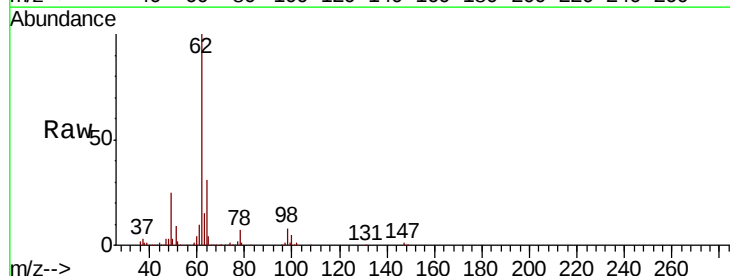
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

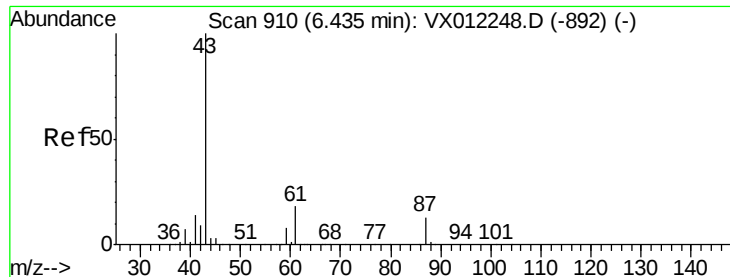
Tgt Ion:	41	Resp:	33002
Ion	Ratio	Lower	Upper
41	100		
39	58.7	49.0	73.4
67	69.1	55.0	82.4
52	32.5	25.4	38.0



#42
1,2-Dichloroethane
Concen: 46.587 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion:	62	Resp:	102135
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 45.041 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

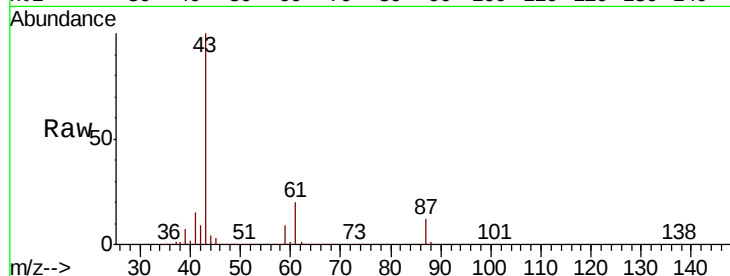
Tgt Ion: 43 Resp: 107585

Ion Ratio Lower Upper

43 100

61 19.7 15.4 23.2

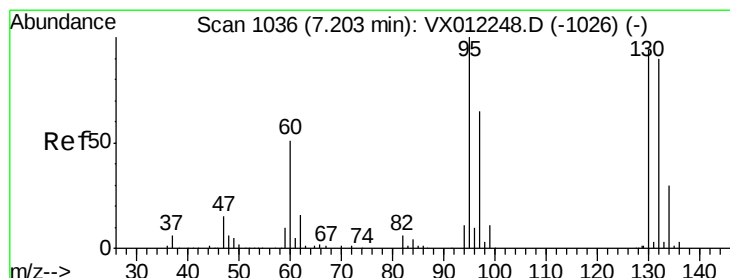
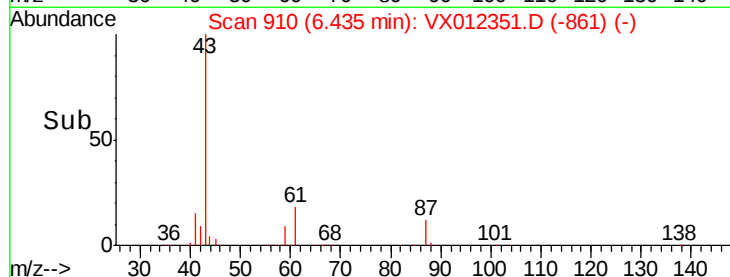
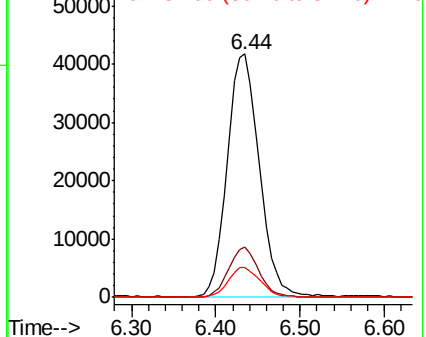
87 12.4 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.257 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012351.D

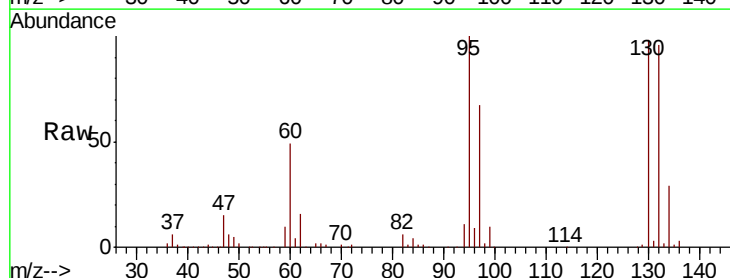
Acq: 12 Sep 2019 16:53

Tgt Ion: 130 Resp: 72442

Ion Ratio Lower Upper

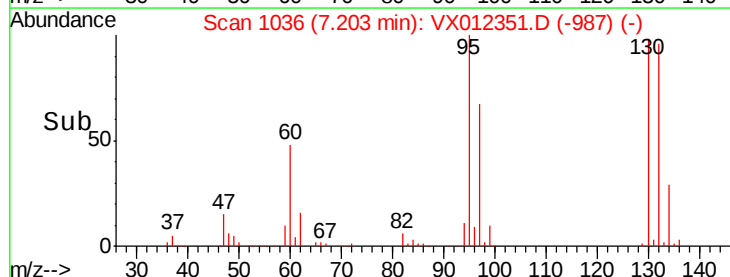
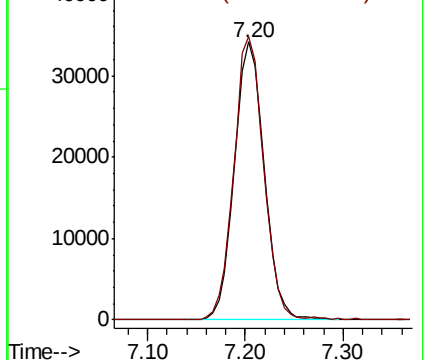
130 100

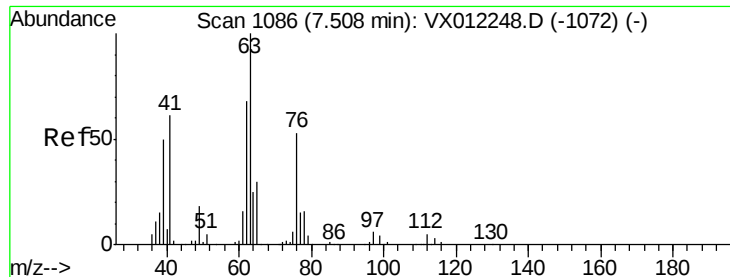
95 101.8 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

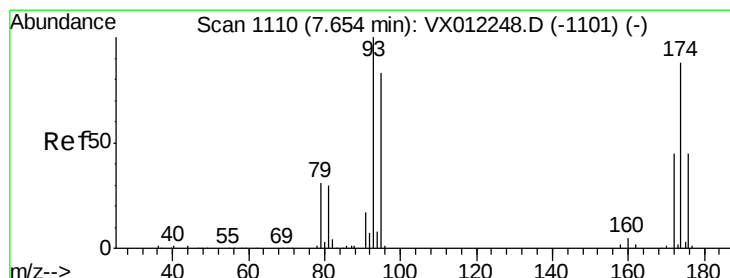
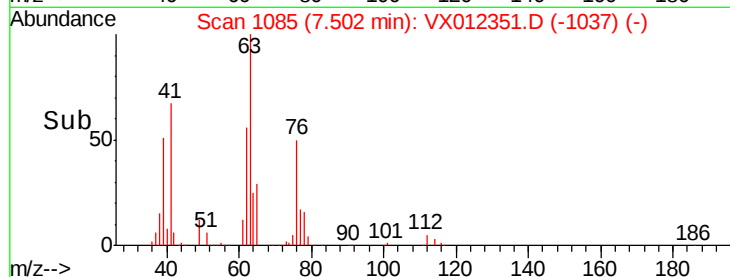
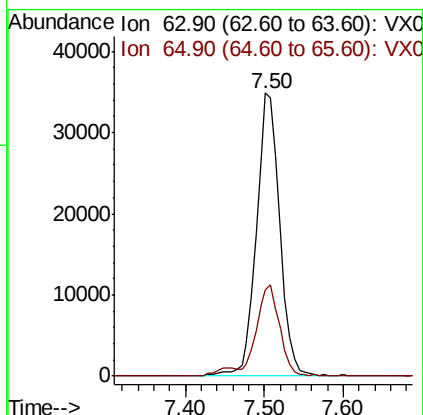
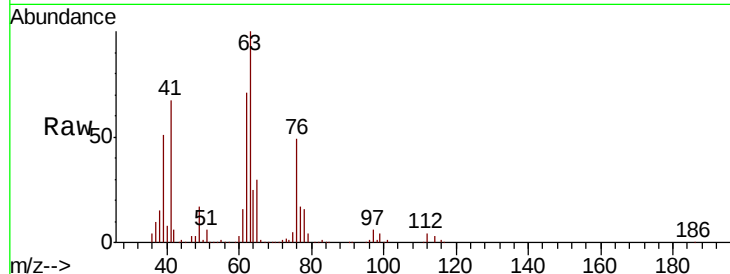




#45
 1,2-Dichloropropane
 Concen: 46.678 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

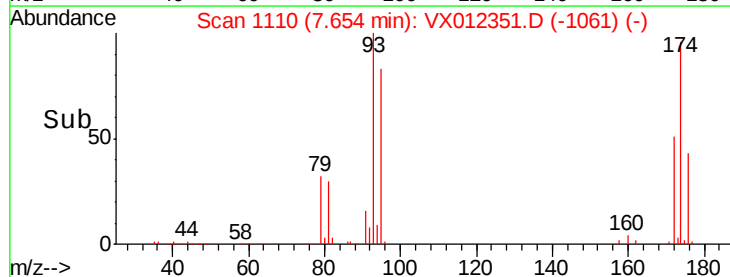
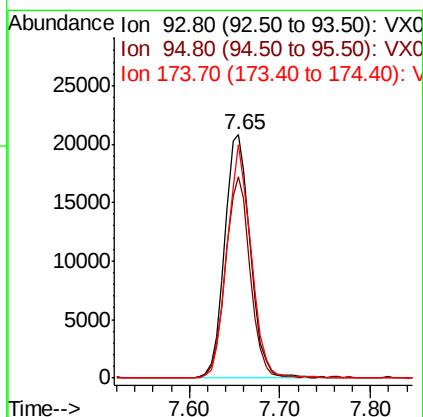
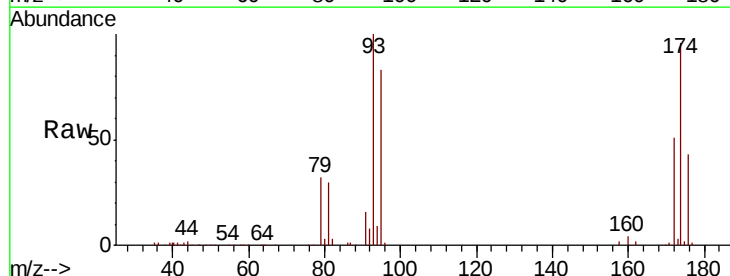
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

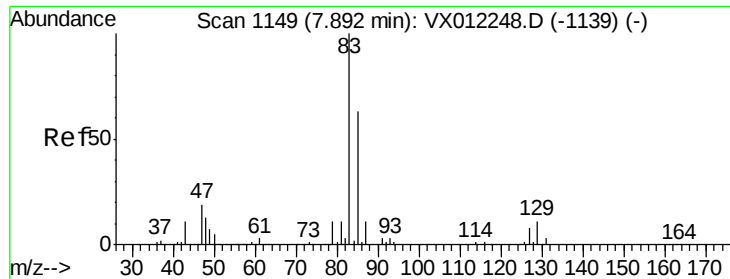
Tgt Ion: 63 Resp: 71669
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 48.700 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 93 Resp: 40867
 Ion Ratio Lower Upper
 93 100
 95 79.7 65.7 98.5
 174 89.9 71.0 106.4

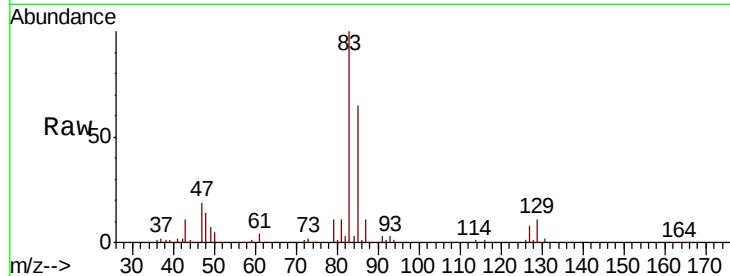




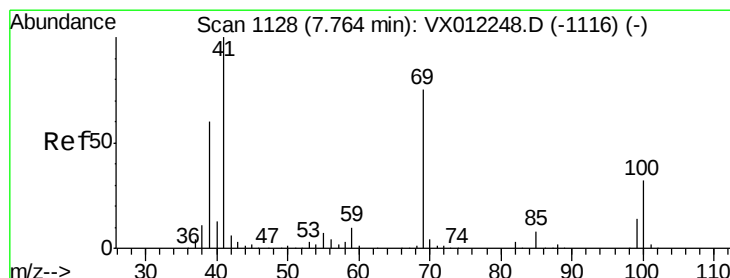
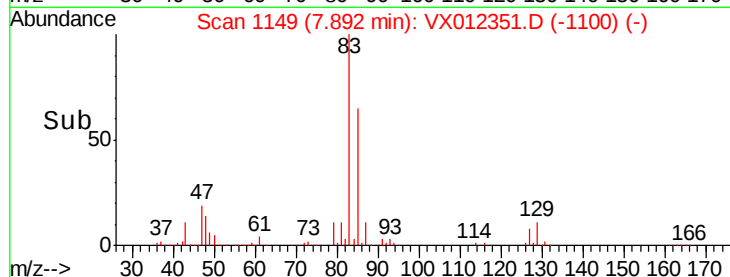
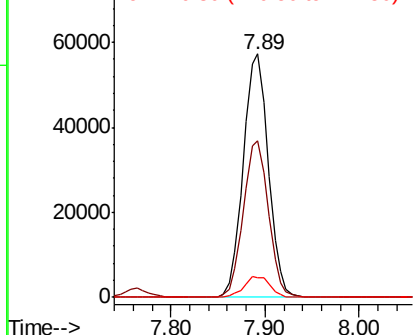
#47
Bromodichloromethane
Concen: 46.303 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 106036
Ion Ratio Lower Upper
83 100
85 64.6 50.2 75.4
127 8.3 6.3 9.5

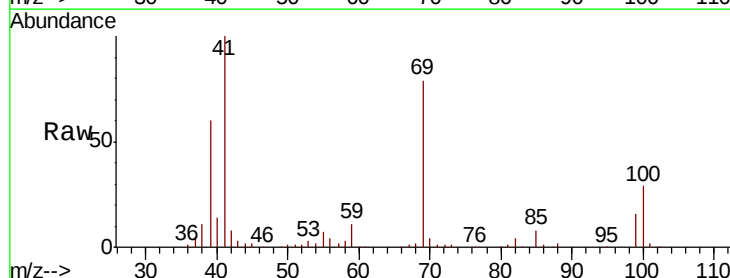


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

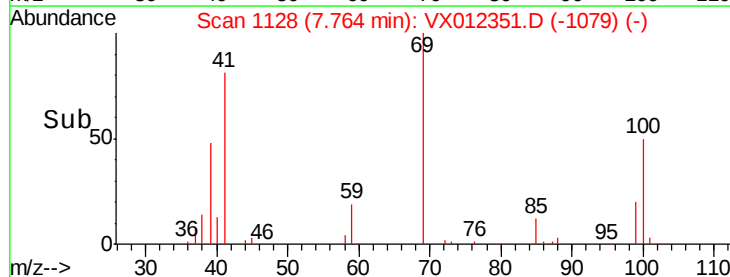
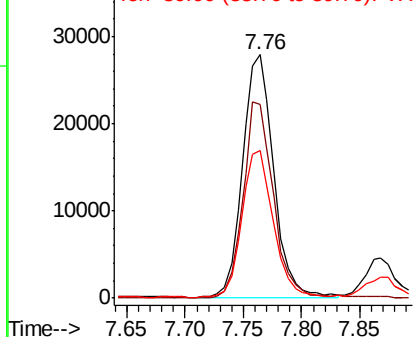


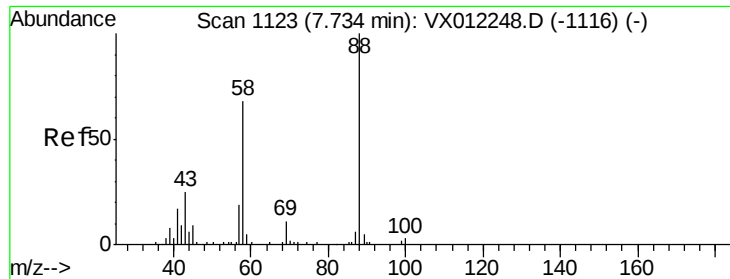
#48
Methyl methacrylate
Concen: 45.106 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 41 Resp: 51570
Ion Ratio Lower Upper
41 100
69 79.2 61.8 92.6
39 61.0 48.6 73.0



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

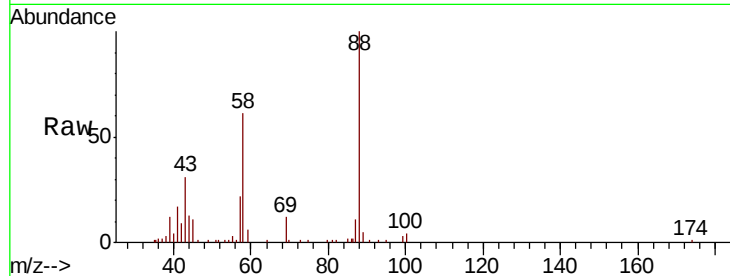




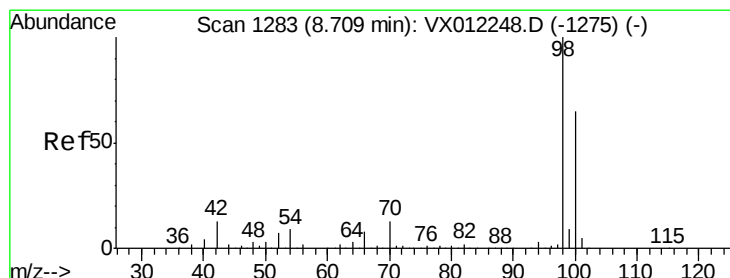
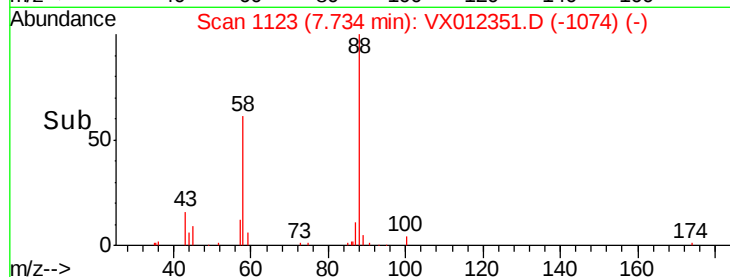
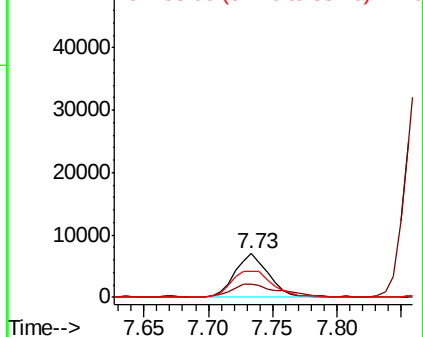
#49
1,4-Dioxane
Concen: 827.858 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12772
Ion Ratio Lower Upper
88 100
43 40.0 31.0 46.4
58 76.8 61.5 92.3

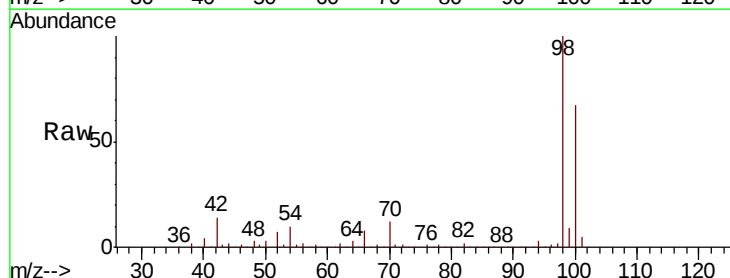


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

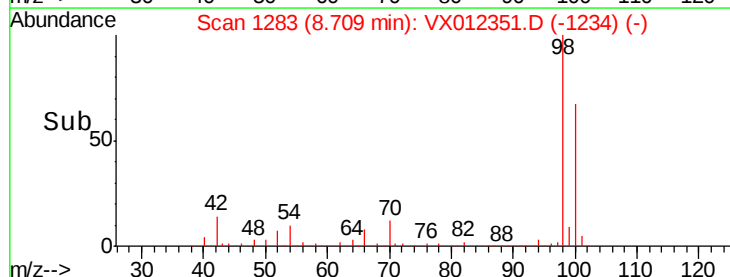
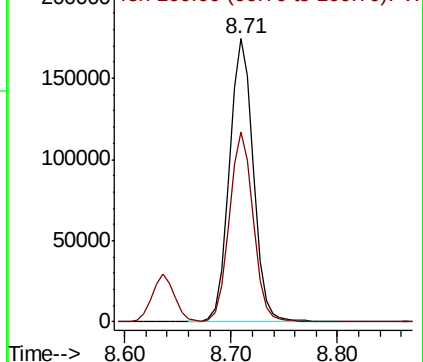


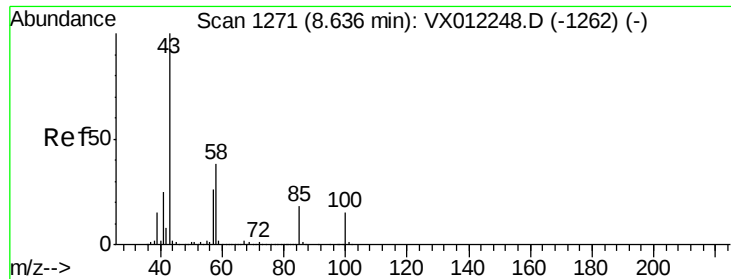
#50
Toluene-d8
Concen: 48.592 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 98 Resp: 274607
Ion Ratio Lower Upper
98 100
100 67.3 54.1 81.1



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

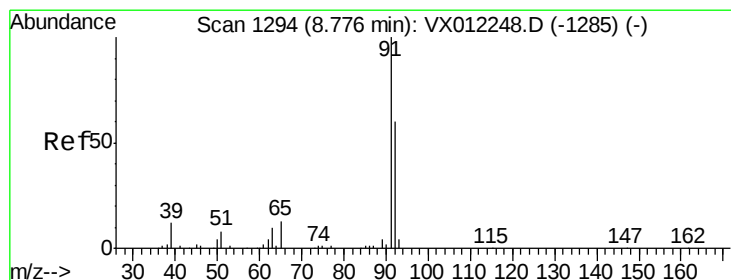
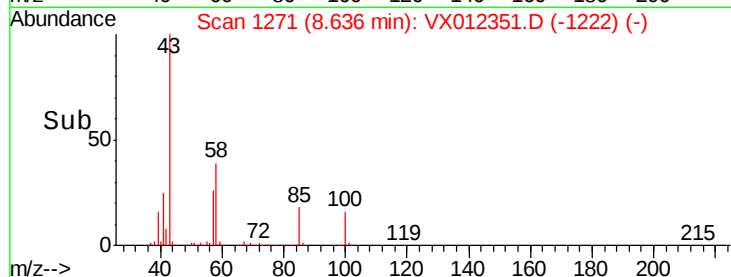
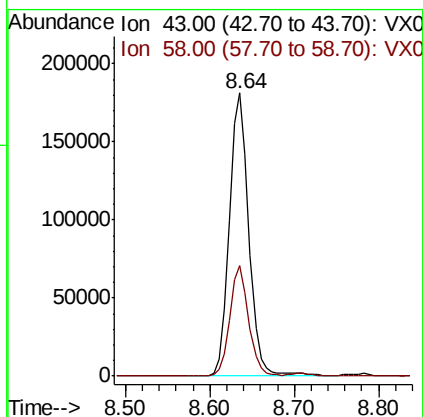
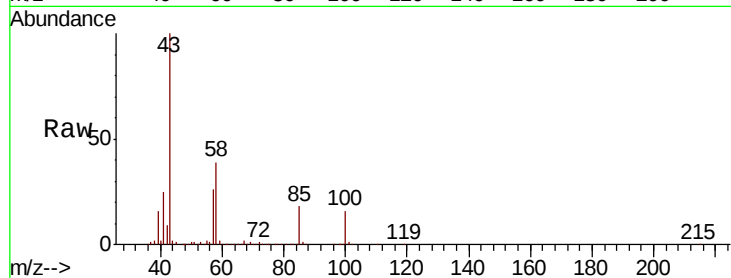




#51
 4-Methyl-2-Pentanone
 Concen: 226.664 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

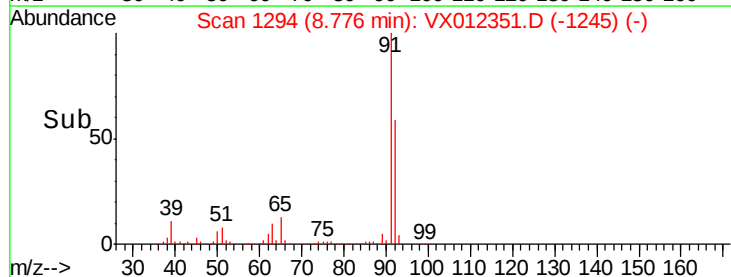
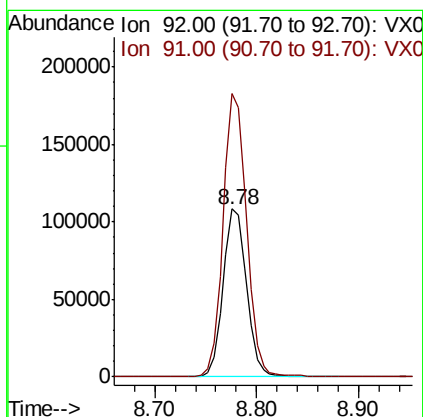
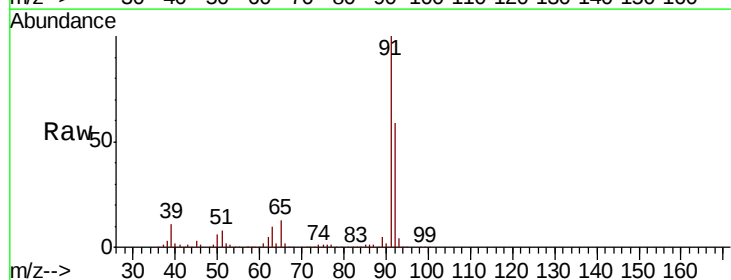
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

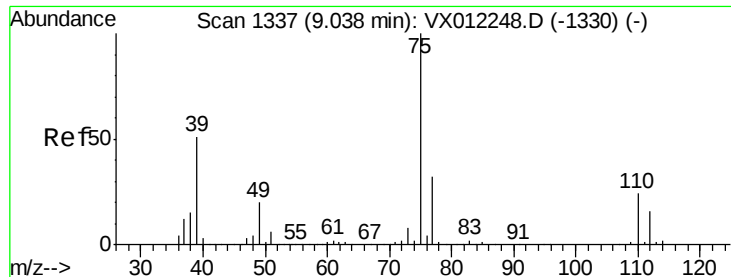
Tgt Ion: 43 Resp: 285743
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1



#52
 Toluene
 Concen: 47.464 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 92 Resp: 173902
 Ion Ratio Lower Upper
 92 100
 91 167.9 133.6 200.4

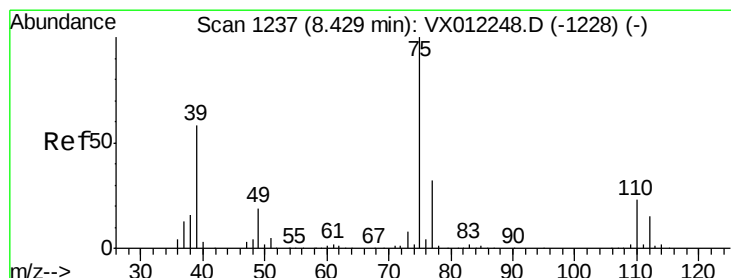
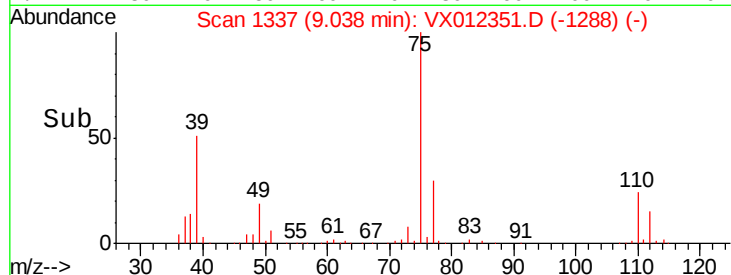
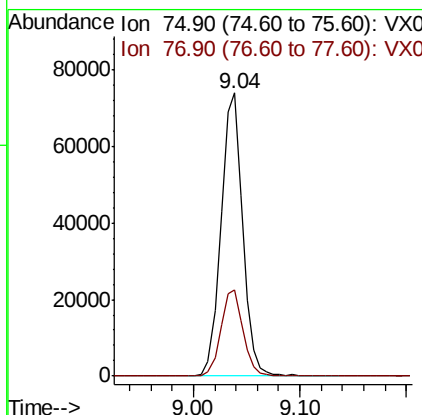
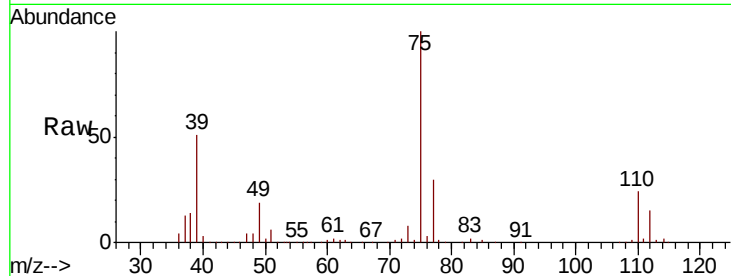




#53
t-1,3-Dichloropropene
Concen: 45.987 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

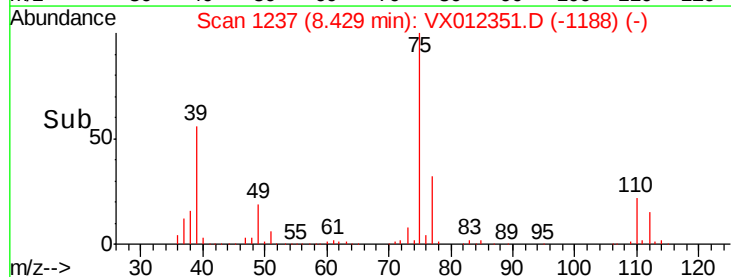
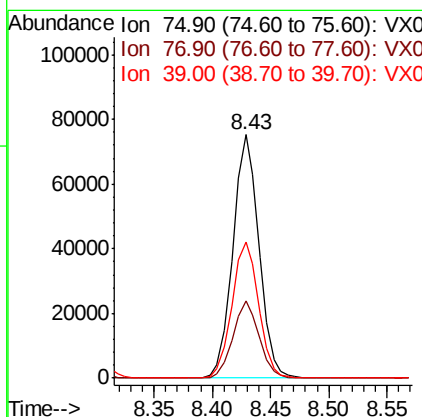
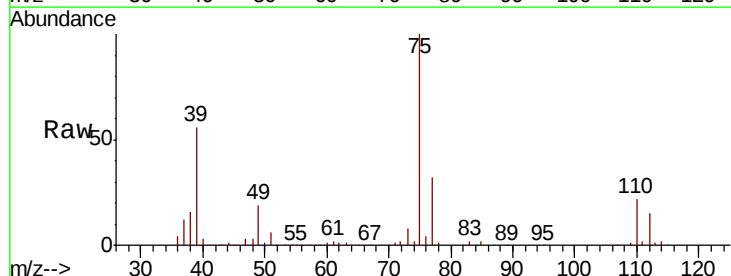
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

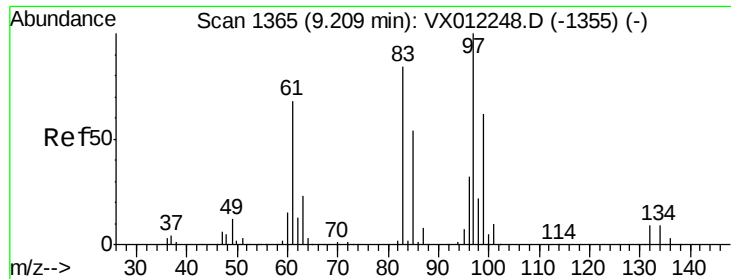
Tgt Ion: 75 Resp: 105112
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 46.372 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 75 Resp: 117531
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 55.3 46.5 69.7

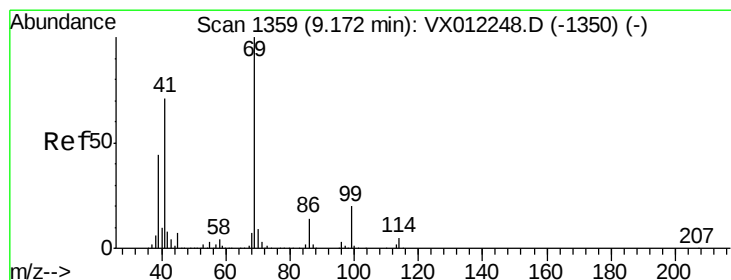
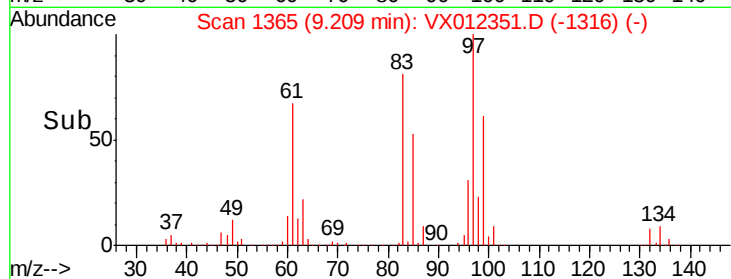
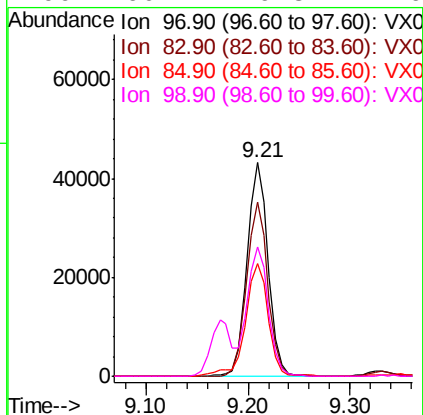
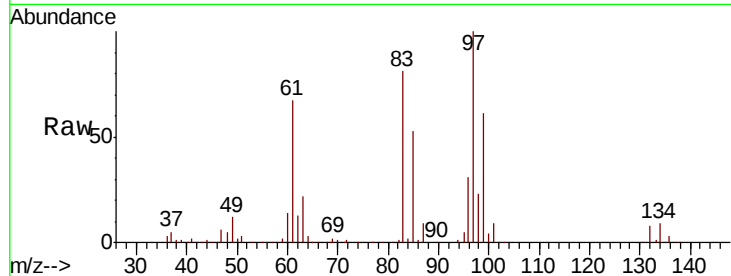




#55
 1,1,2-Trichloroethane
 Concen: 47.823 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

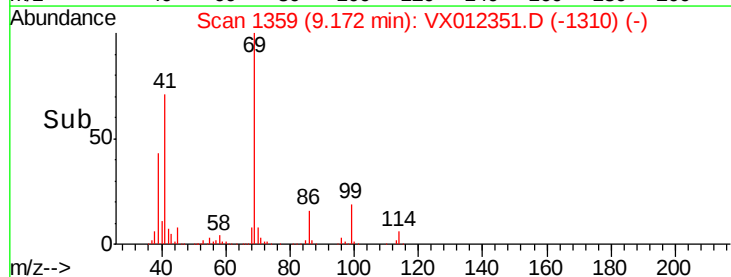
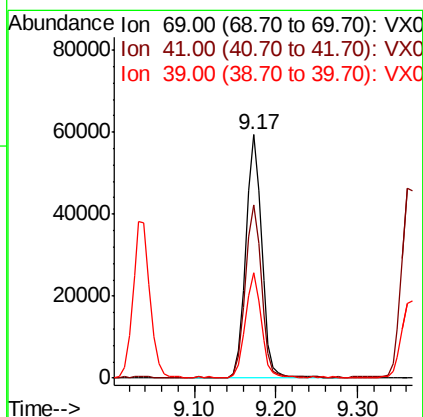
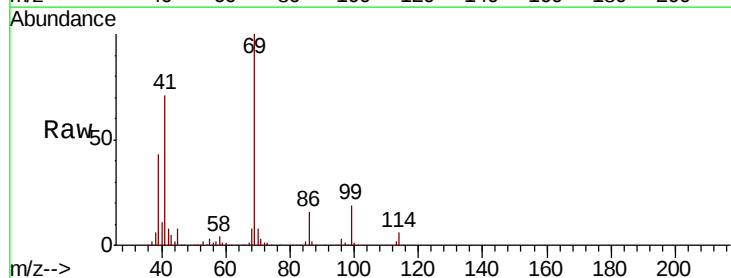
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	62173
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.4	101.2
85	52.8	43.4	65.2
99	60.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 45.911 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion:	69	Resp:	80815
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.7	86.5
39	42.2	34.0	51.0





#57

1,3-Dichloropropane

Concen: 47.257 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

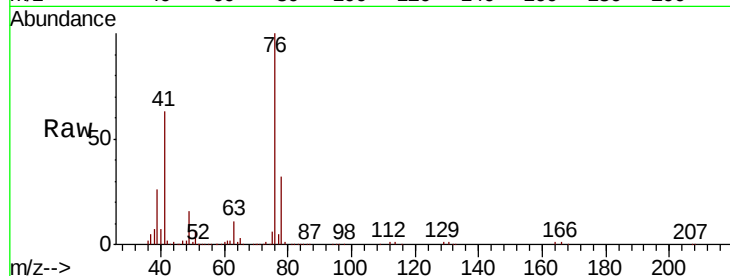
VSTDCCC050

Tgt Ion: 76 Resp: 104930

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

80000

60000

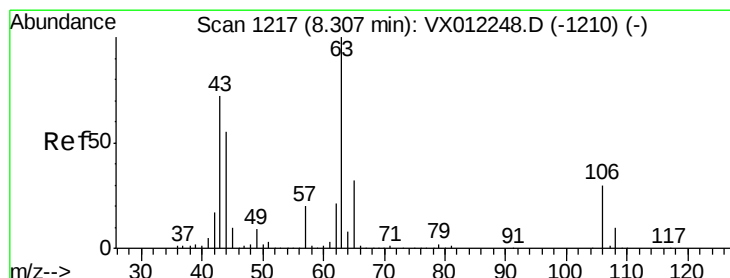
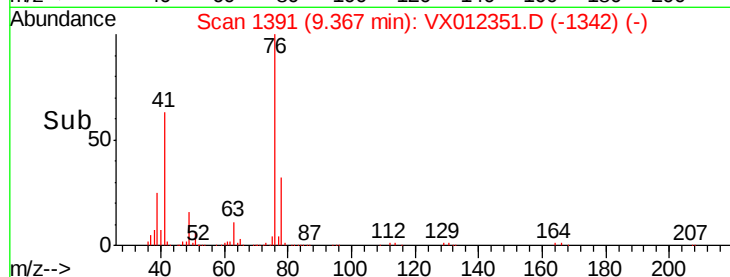
40000

20000

0

9.30 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 227.062 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012351.D

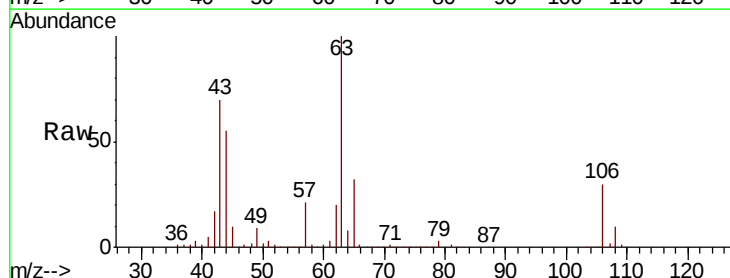
Acq: 12 Sep 2019 16:53

Tgt Ion: 63 Resp: 204851

Ion Ratio Lower Upper

63 100

106 29.8 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

150000

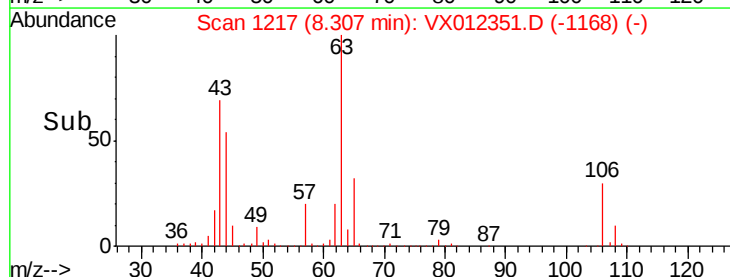
100000

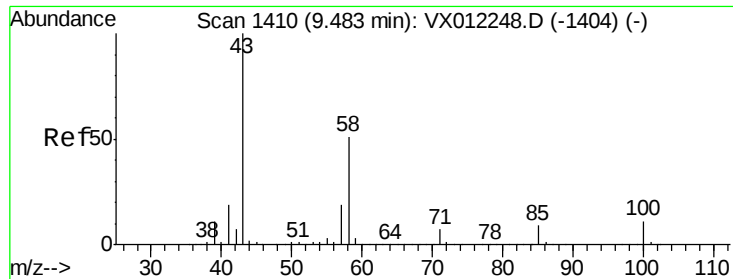
50000

0

8.20 8.25 8.30 8.35 8.40

Time-->

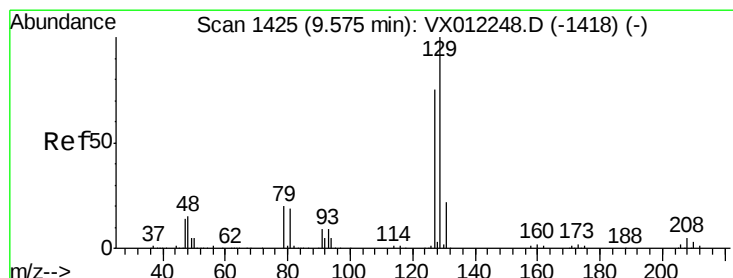
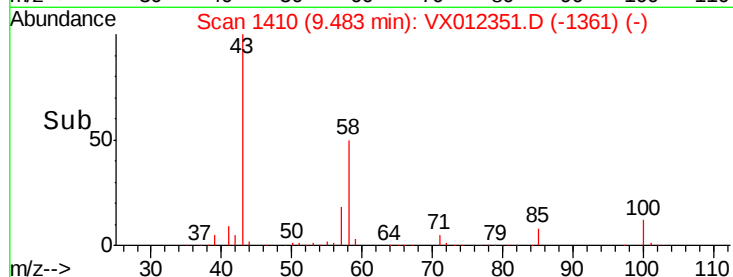
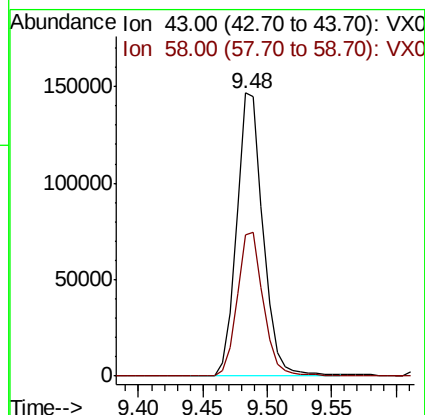
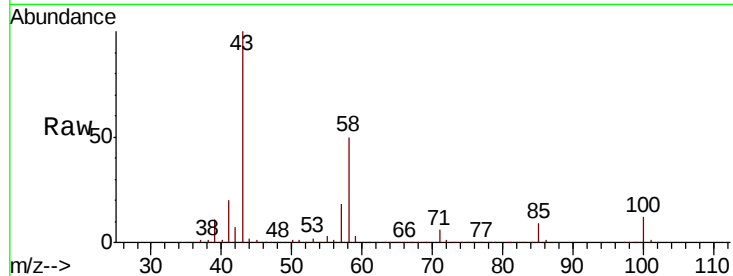




#59
2-Hexanone
Concen: 237.673 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

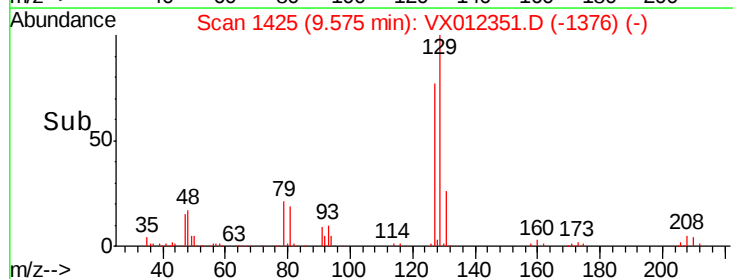
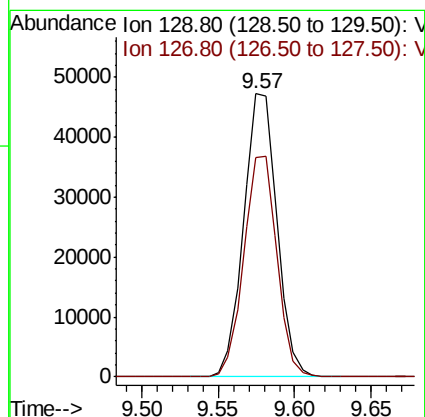
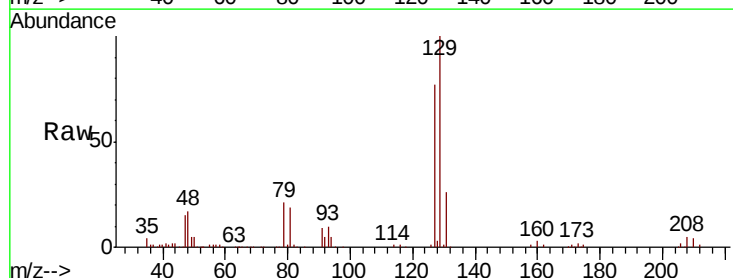
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

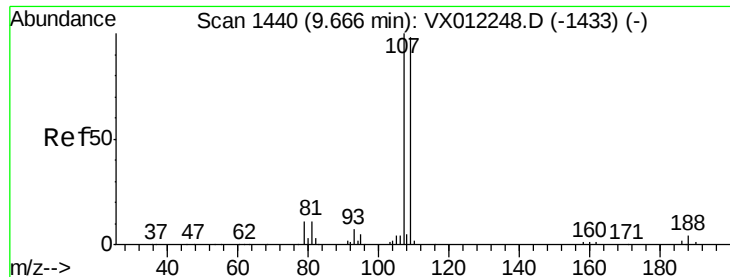
Tgt Ion: 43 Resp: 208329
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3



#60
Dibromochloromethane
Concen: 47.020 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 129 Resp: 71363
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 46.664 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

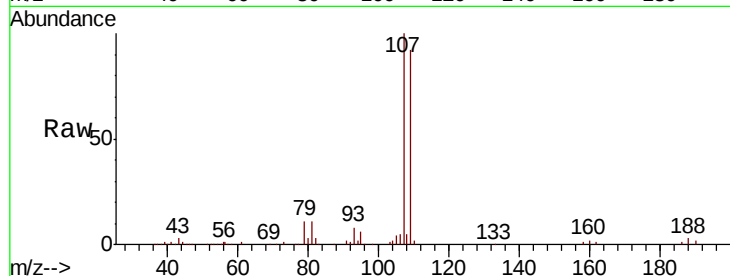
VSTDCCC050

Tgt Ion: 107 Resp: 56471

Ion Ratio Lower Upper

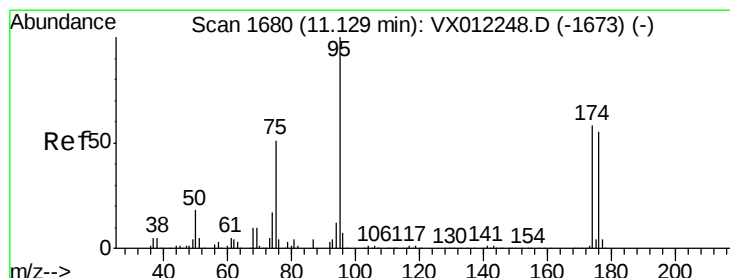
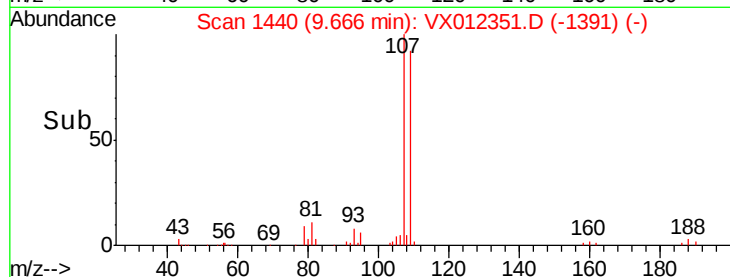
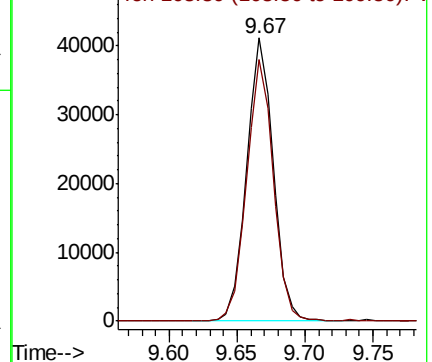
107 100

109 92.6 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.569 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

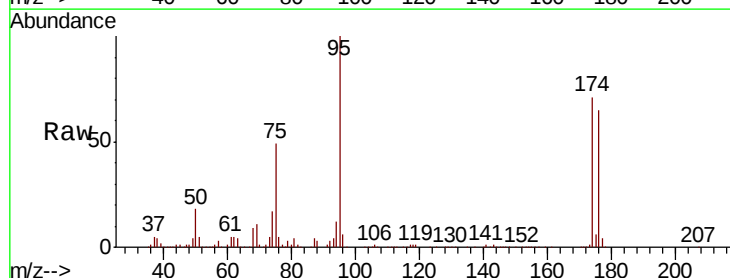
Tgt Ion: 95 Resp: 116767

Ion Ratio Lower Upper

95 100

174 67.7 0.0 127.0

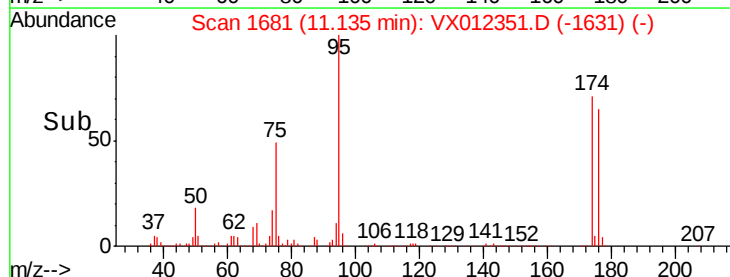
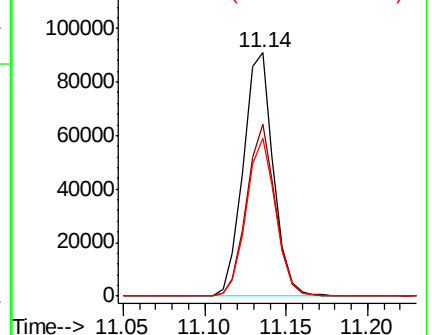
176 63.9 0.0 125.8

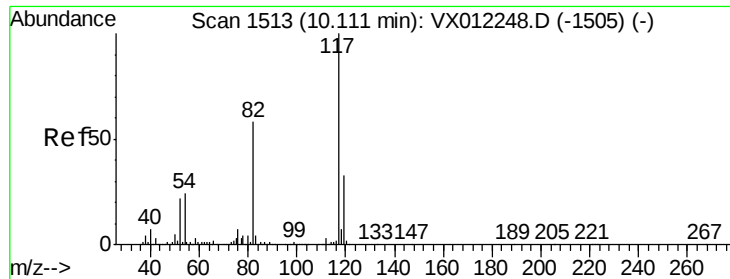


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

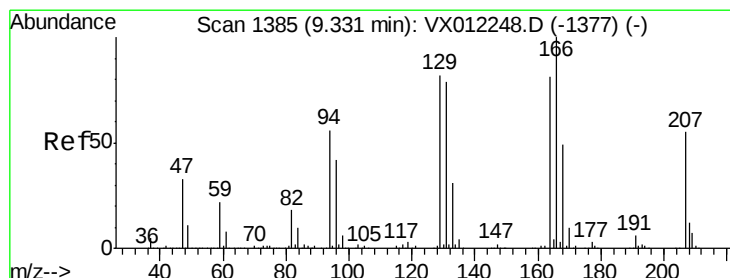
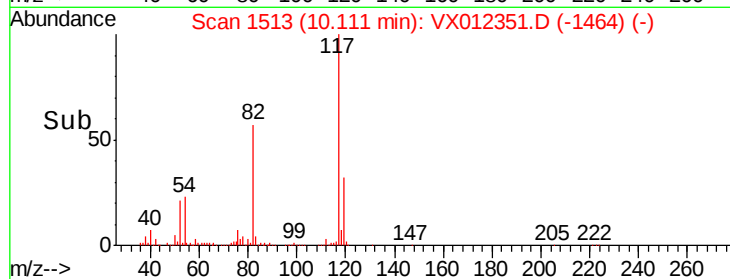
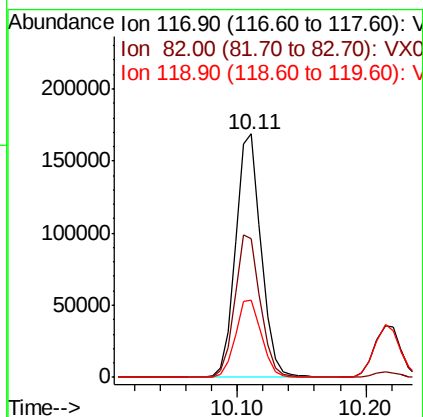
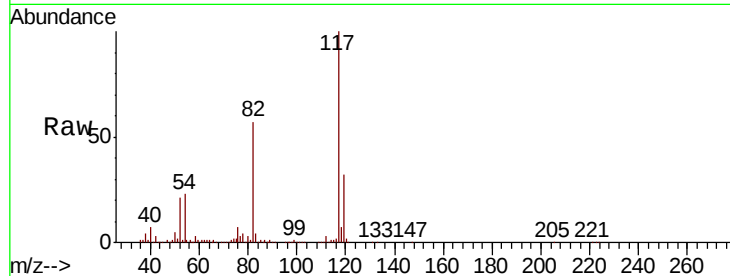




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

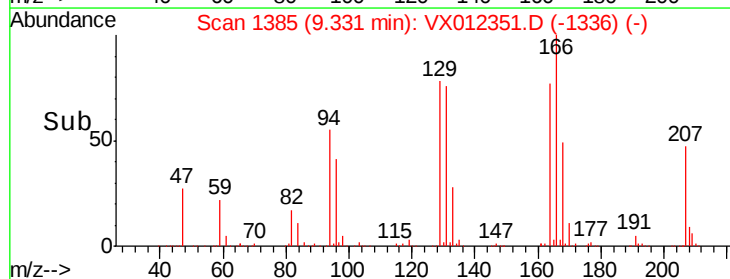
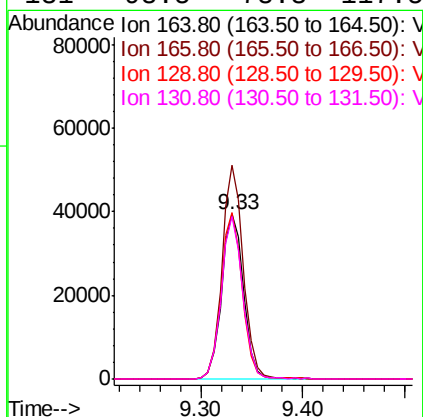
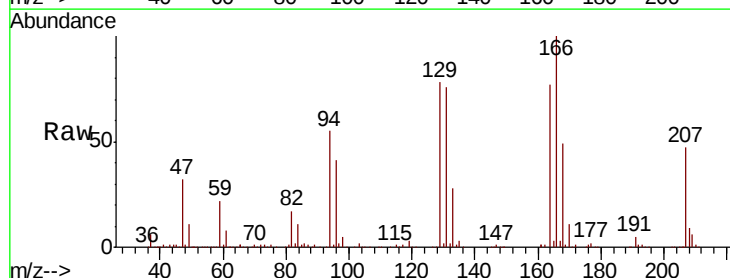
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

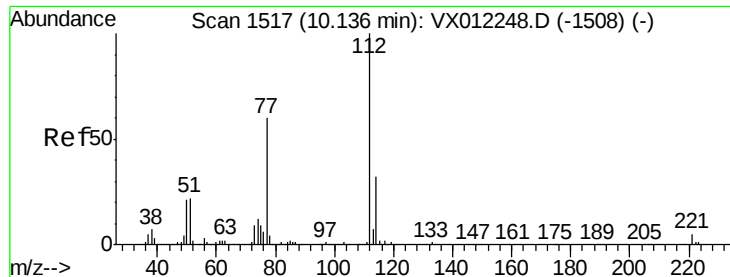
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.4	69.6
119	31.8	26.6	39.8



#64
Tetrachloroethene
Concen: 47.700 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.4	149.0
129	100.7	81.8	122.8
131	98.5	78.3	117.5

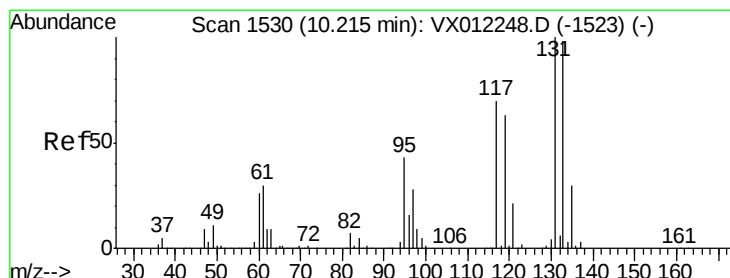
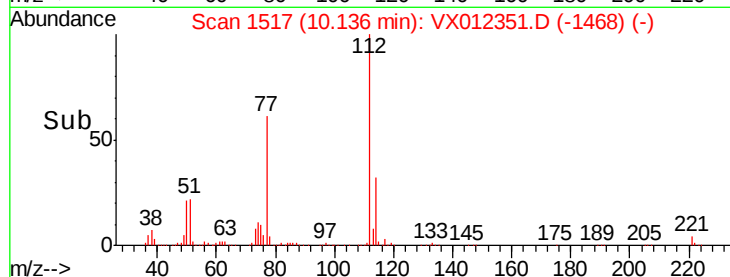
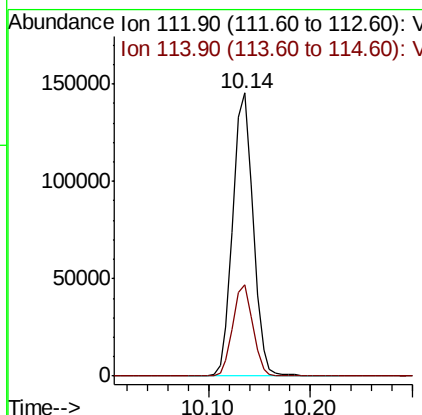
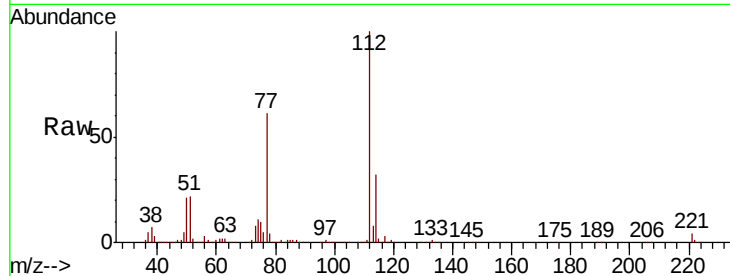




#65
Chlorobenzene
Concen: 47.285 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

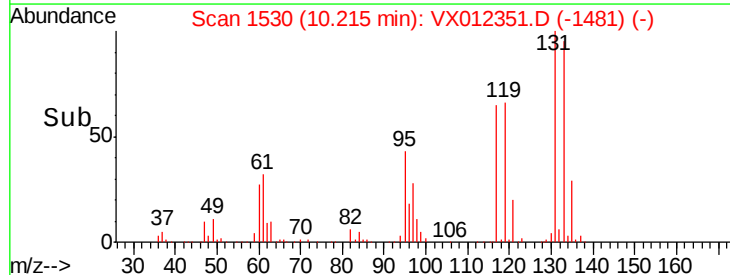
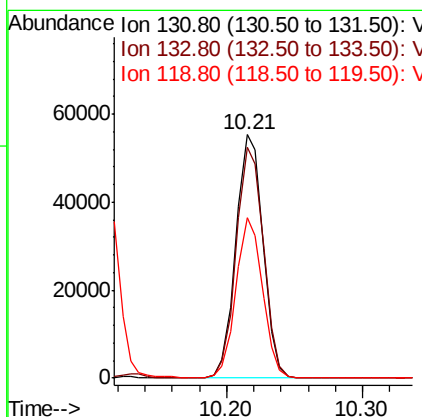
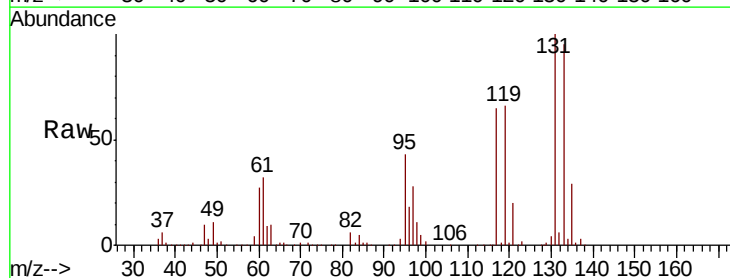
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

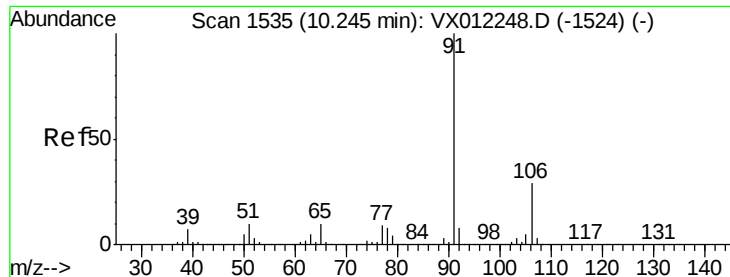
Tgt Ion:112 Resp: 199867
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.206 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion:131 Resp: 76812
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 64.7 31.6 95.0

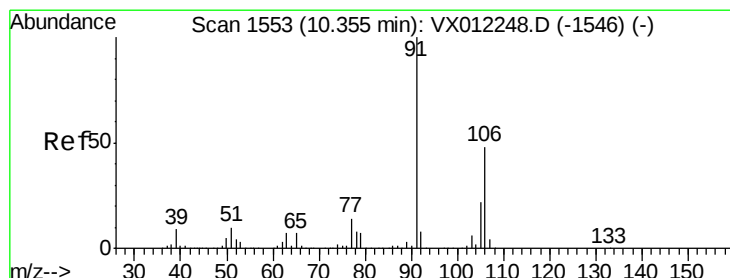
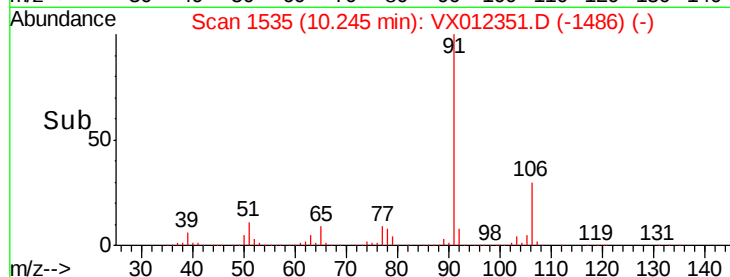
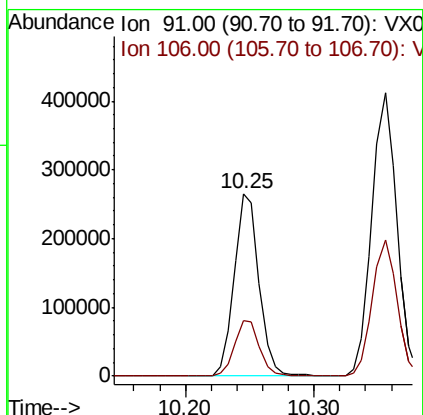
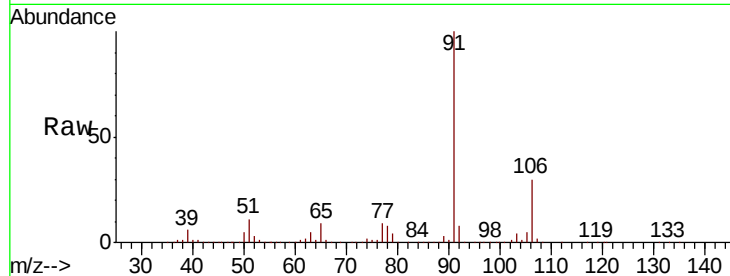




#67
 Ethyl Benzene
 Concen: 47.556 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

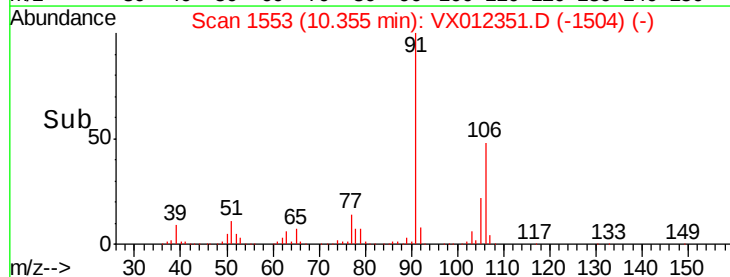
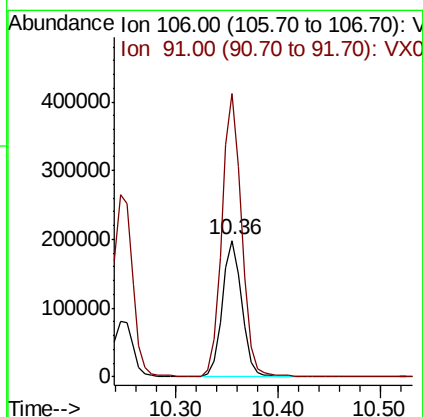
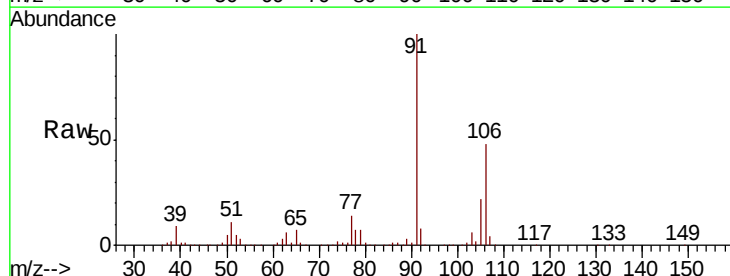
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

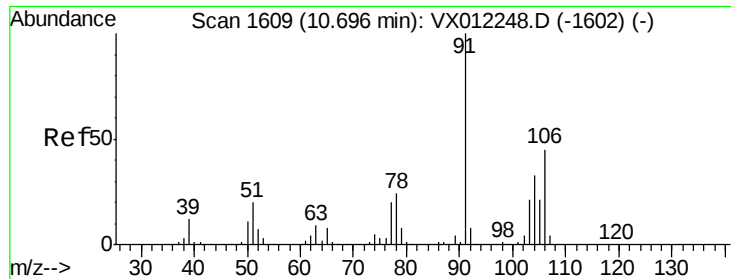
Tgt Ion: 91 Resp: 357514
 Ion Ratio Lower Upper
 91 100
 106 30.1 23.1 34.7



#68
 m/p-Xylenes
 Concen: 95.754 ug/l
 RT: 10.36 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 106 Resp: 264989
 Ion Ratio Lower Upper
 106 100
 91 209.2 167.0 250.6

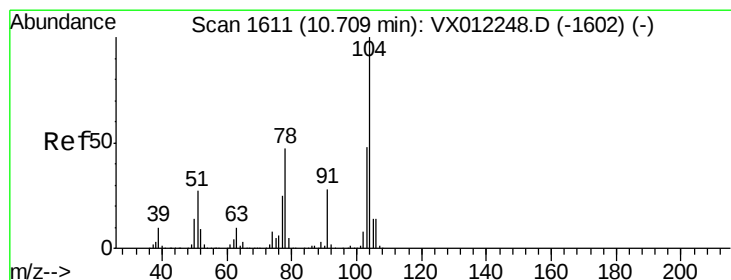
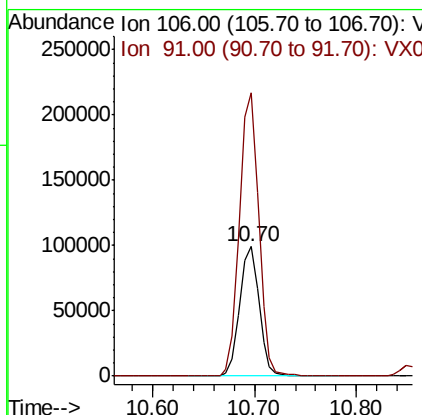
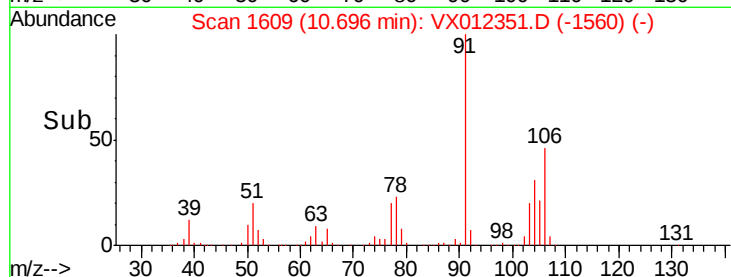
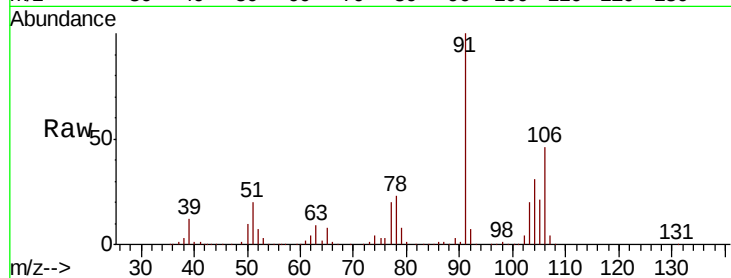




#69
o-Xylene
Concen: 48.056 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

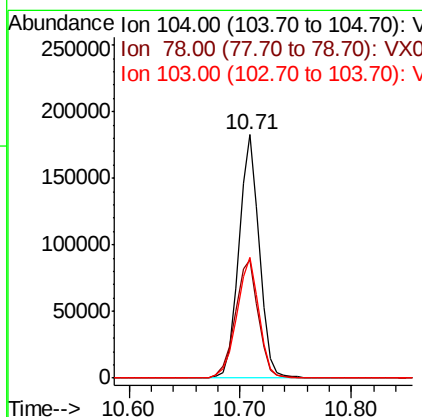
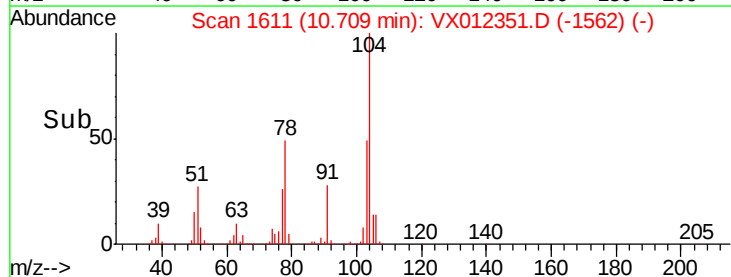
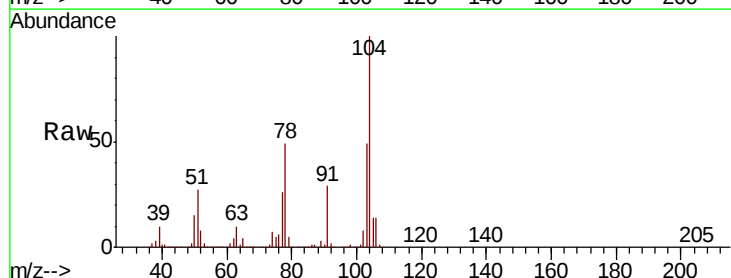
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

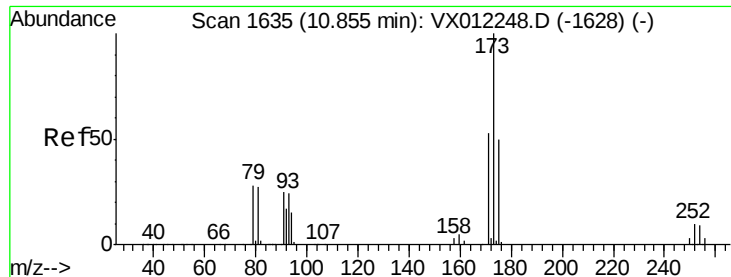
Tgt Ion:106 Resp: 130279
Ion Ratio Lower Upper
106 100
91 217.9 110.5 331.4



#70
Styrene
Concen: 48.130 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion:104 Resp: 231405
Ion Ratio Lower Upper
104 100
78 55.2 44.2 66.2
103 53.8 42.5 63.7





#71

Bromoform

Concen: 46.312 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

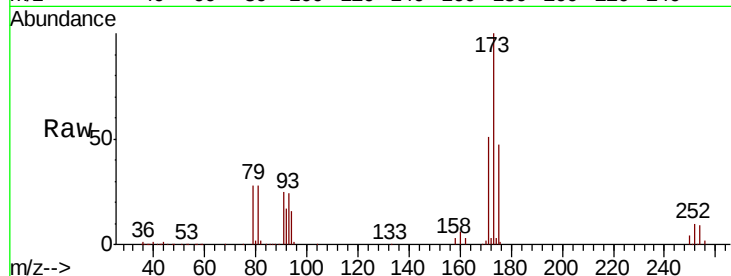
Tgt Ion:173 Resp: 38266

Ion Ratio Lower Upper

173 100

175 47.3 24.5 73.5

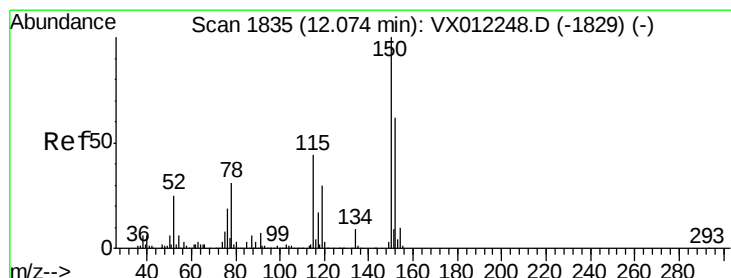
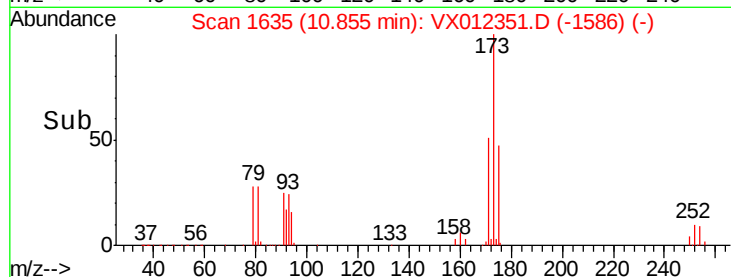
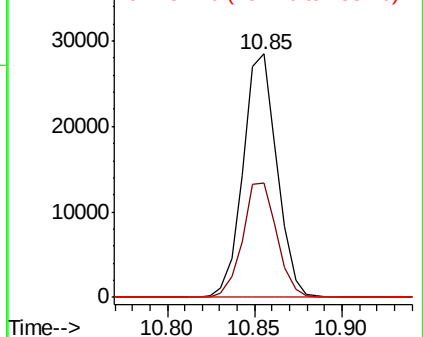
254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

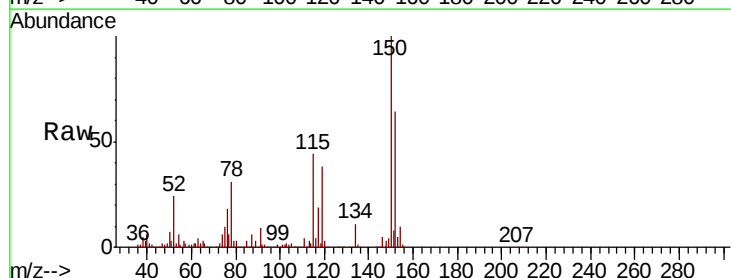
Tgt Ion:152 Resp: 115268

Ion Ratio Lower Upper

152 100

115 88.5 45.5 136.4

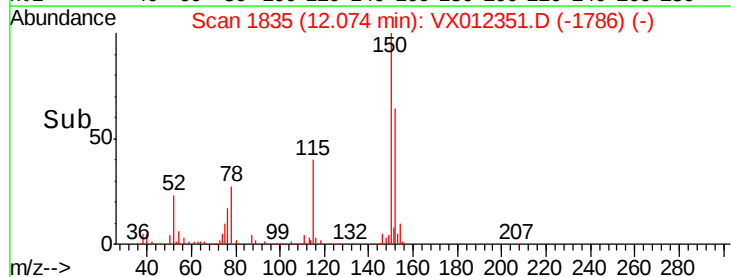
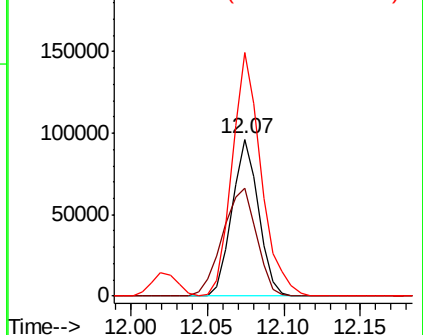
150 170.3 0.0 346.4

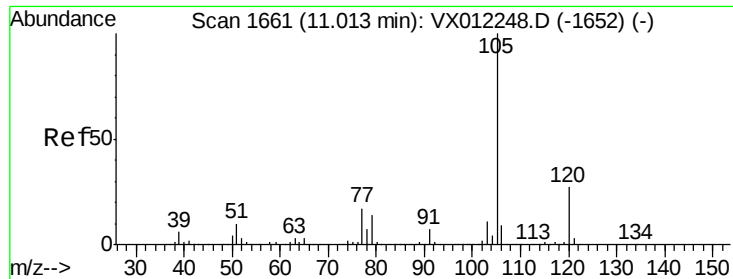


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.372 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

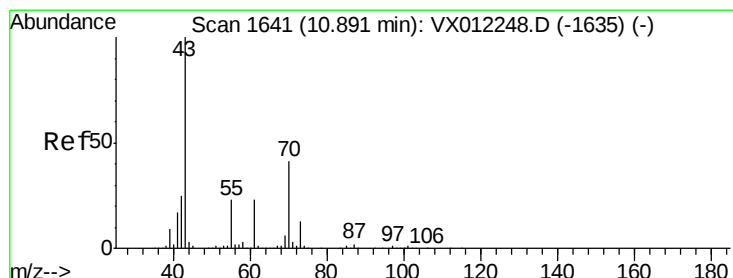
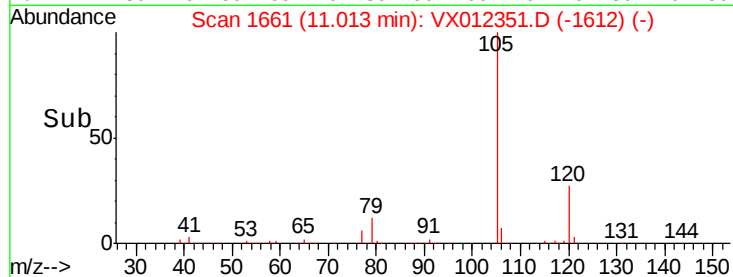
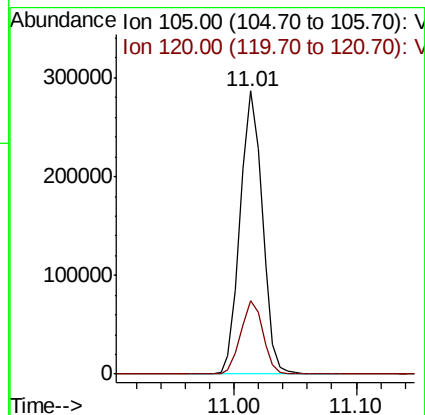
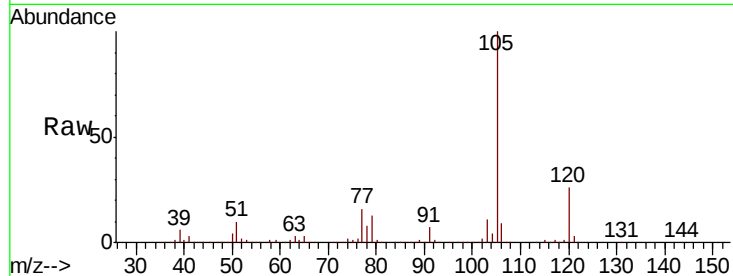
VSTDCCC050

Tgt Ion: 105 Resp: 359474

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 43.499 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion: 43 Resp: 98146

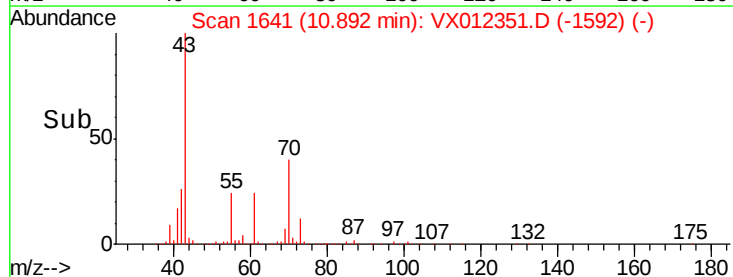
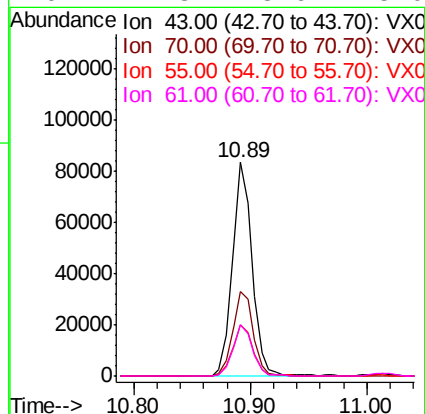
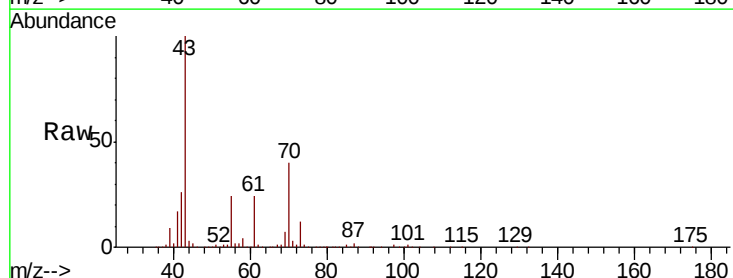
Ion Ratio Lower Upper

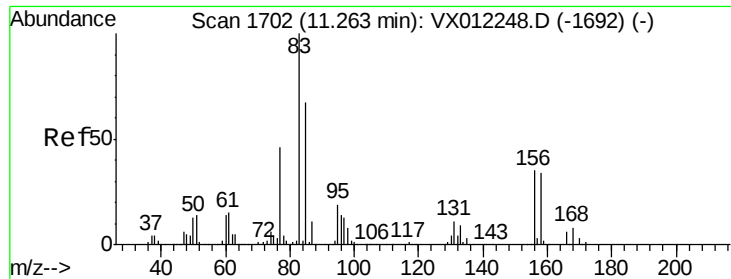
43 100

70 41.2 32.9 49.3

55 24.8 19.1 28.7

61 24.3 18.6 28.0

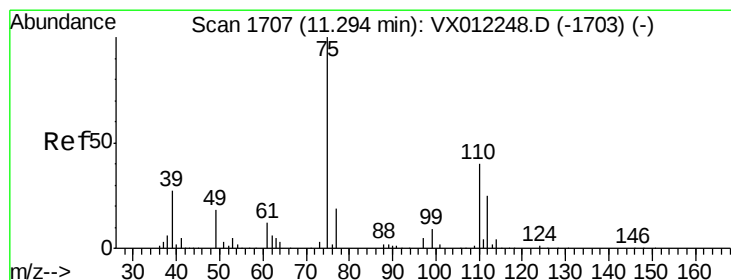
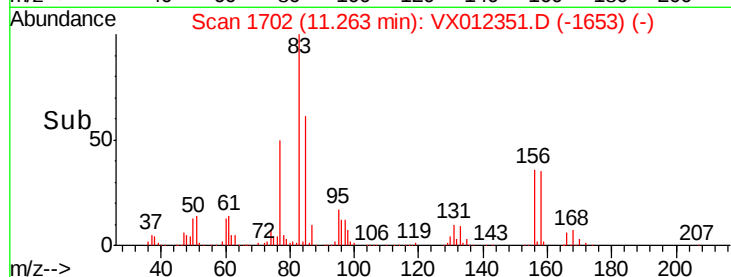
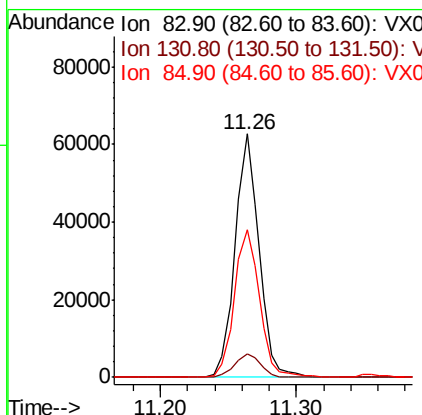
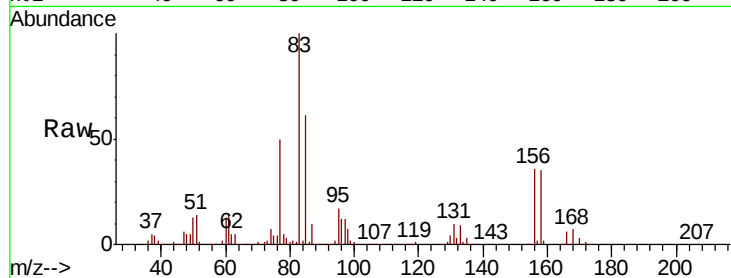




#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.109 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

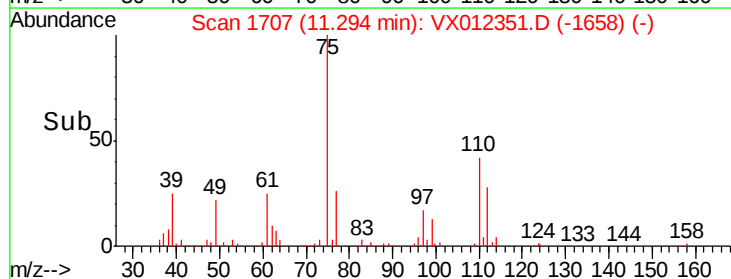
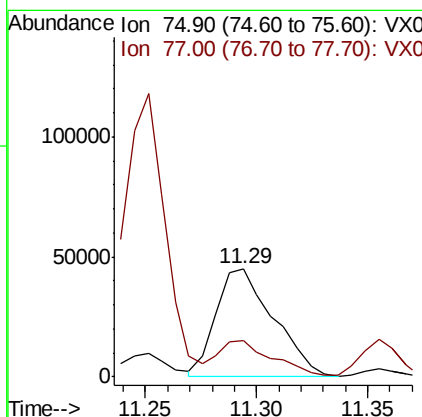
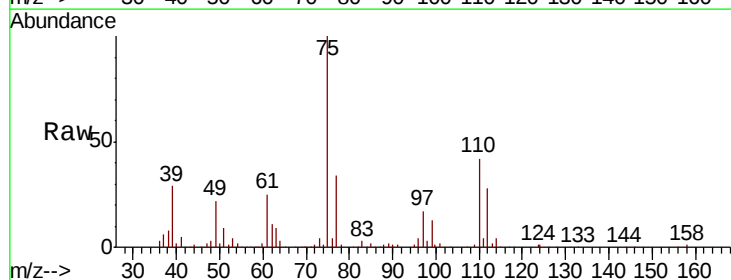
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

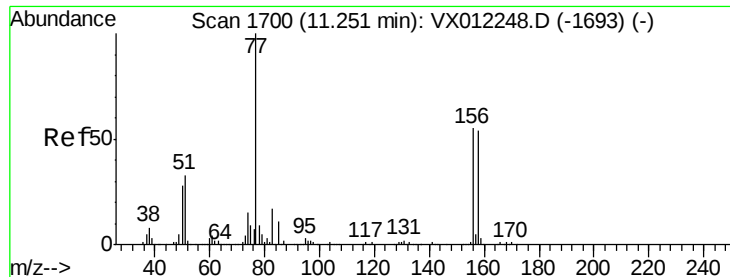
Tgt Ion: 83 Resp: 76775
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.5 16.4
 85 64.2 32.8 98.4



#76
 1,2,3-Trichloropropane
 Concen: 54.526 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 75 Resp: 80741
 Ion Ratio Lower Upper
 75 100
 77 31.6 19.7 59.0





#77

Bromobenzene

Concen: 47.931 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

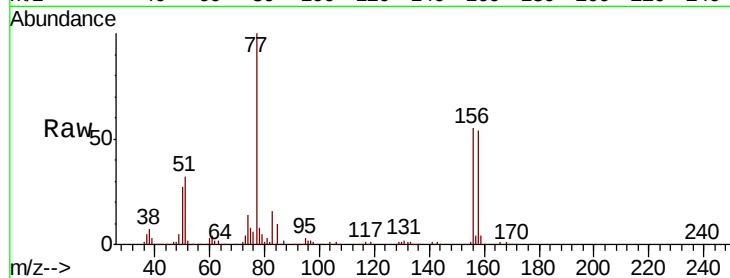
Tgt Ion:156 Resp: 83740

Ion Ratio Lower Upper

156 100

77 183.2 92.2 276.6

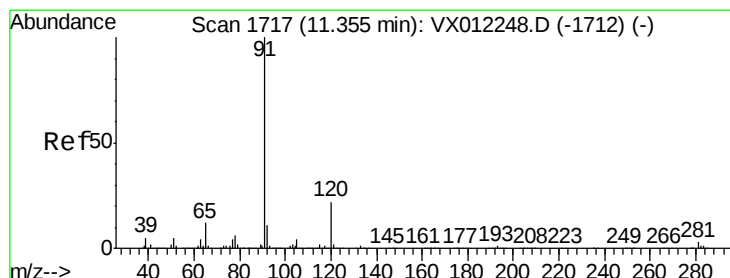
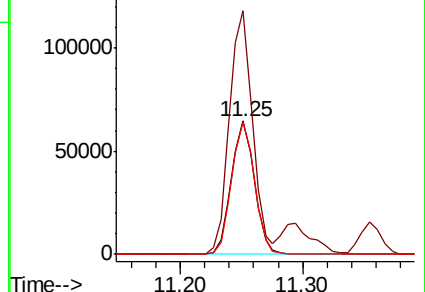
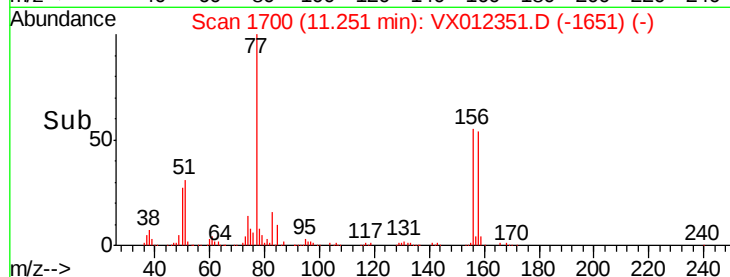
158 99.0 48.8 146.3



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: 47.387 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012351.D

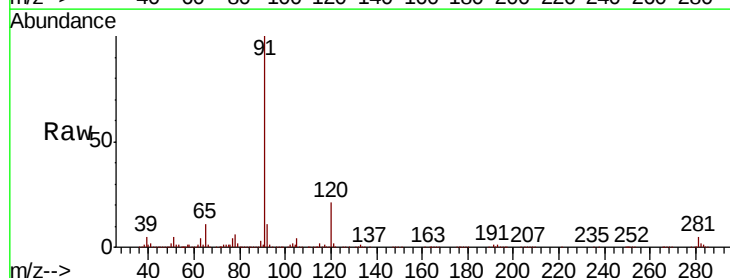
Acq: 12 Sep 2019 16:53

Tgt Ion: 91 Resp: 434243

Ion Ratio Lower Upper

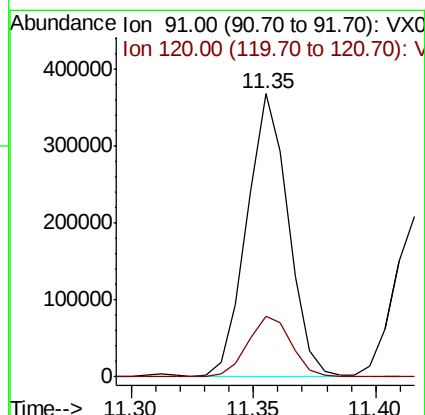
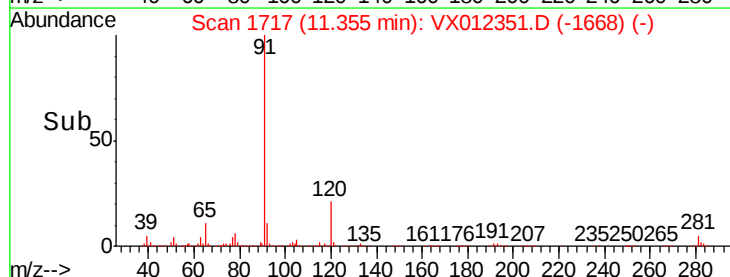
91 100

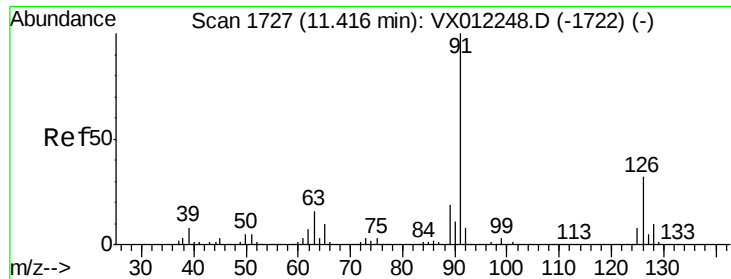
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

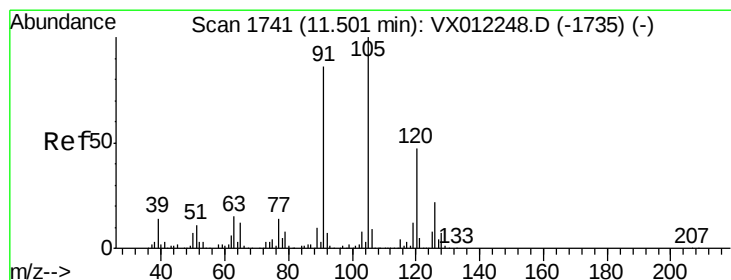
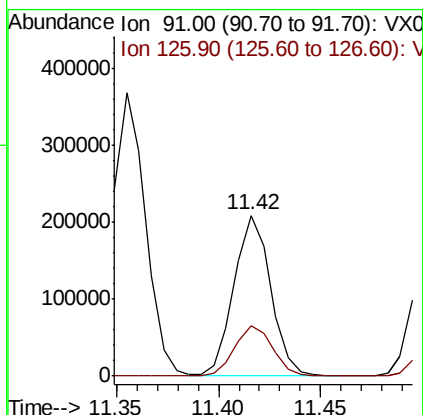
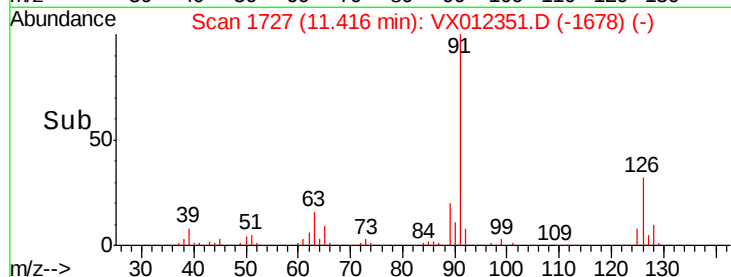
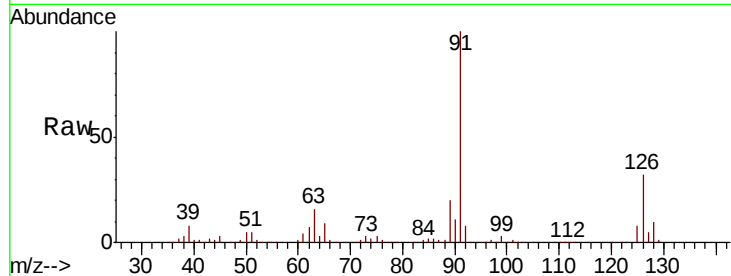




#79
 2-Chlorotoluene
 Concen: 45.962 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

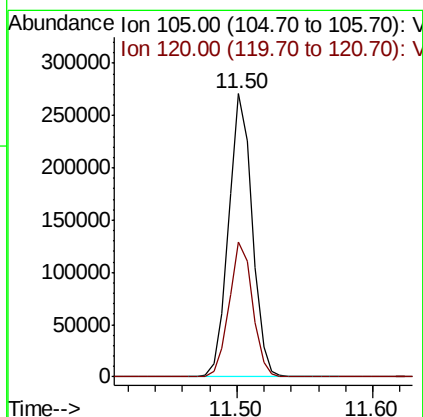
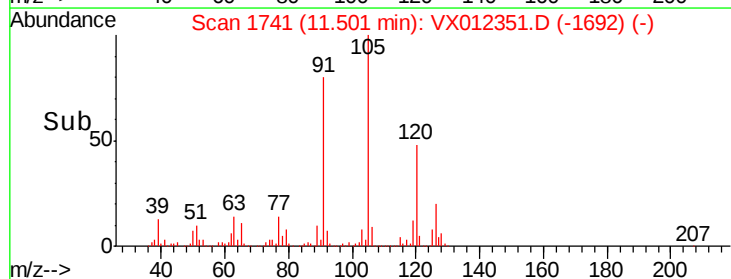
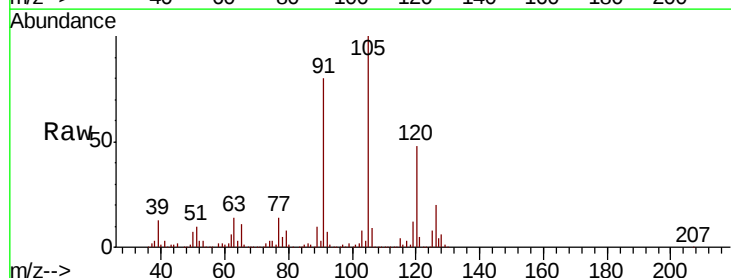
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

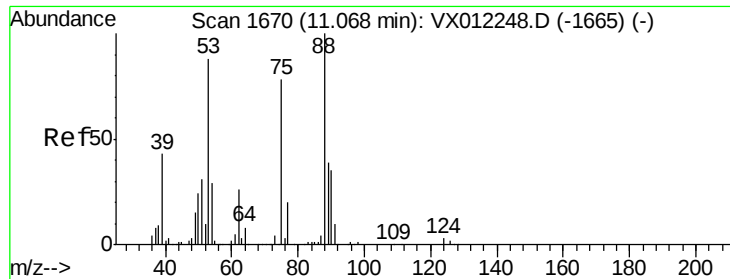
Tgt Ion: 91 Resp: 260946
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 47.524 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 105 Resp: 324315
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.7 71.1

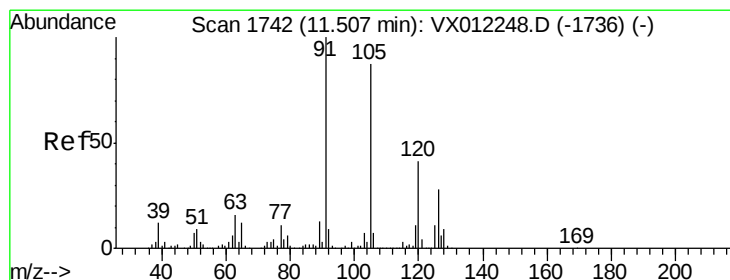
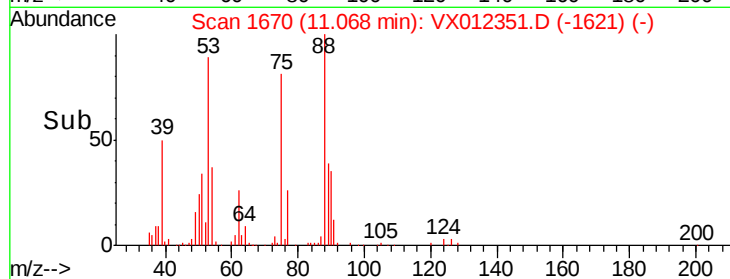
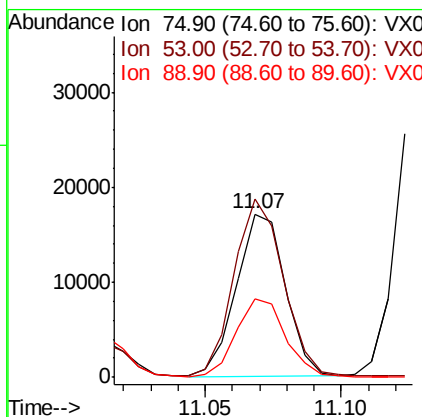
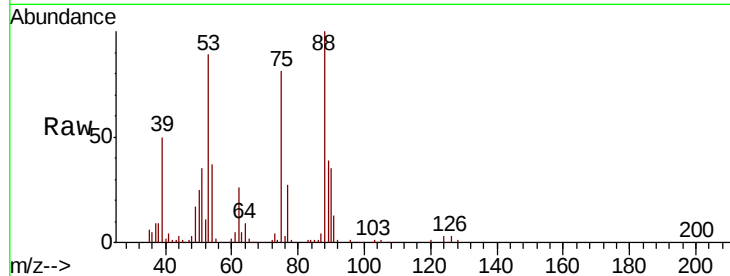




#81
trans-1,4-Dichloro-2-butene
Concen: 43.343 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

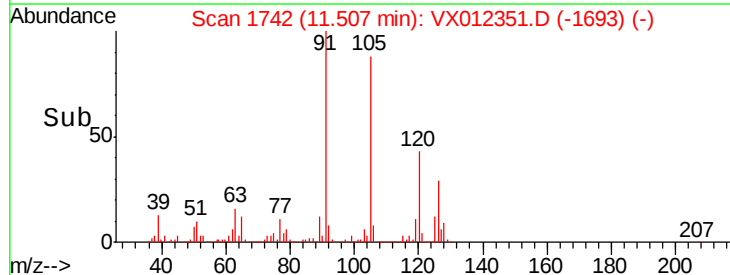
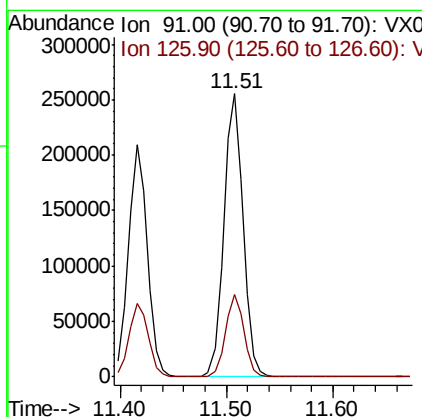
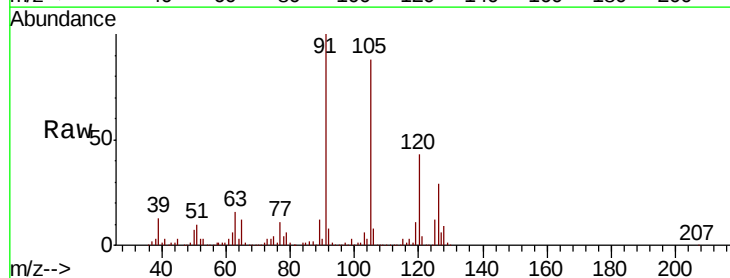
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

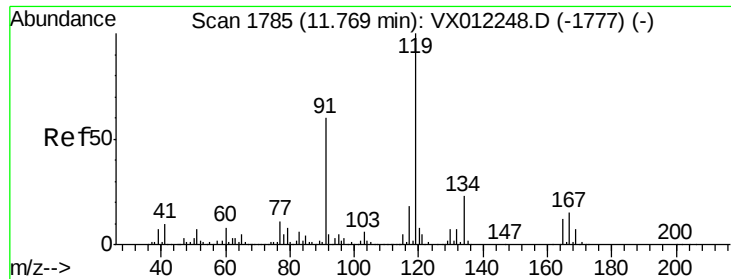
Tgt Ion: 75 Resp: 21421
Ion Ratio Lower Upper
75 100
53 111.1 88.1 132.1
89 48.9 43.5 65.3



#82
4-Chlorotoluene
Concen: 47.131 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 91 Resp: 321577
Ion Ratio Lower Upper
91 100
126 28.2 14.0 42.0

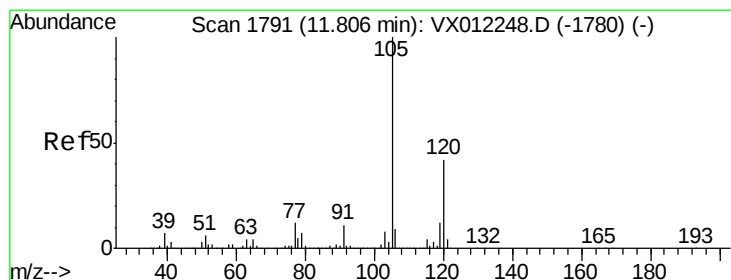
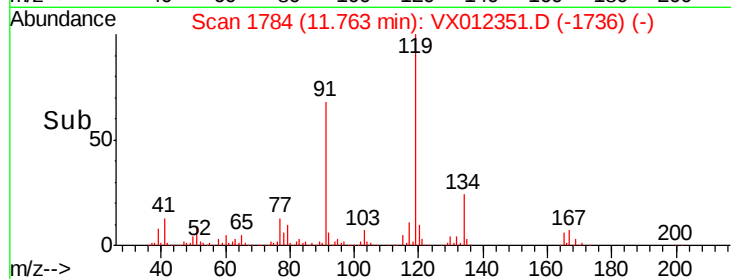
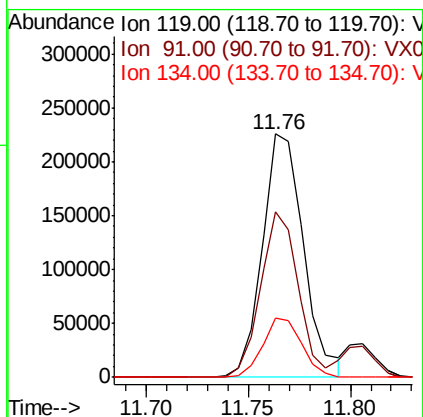
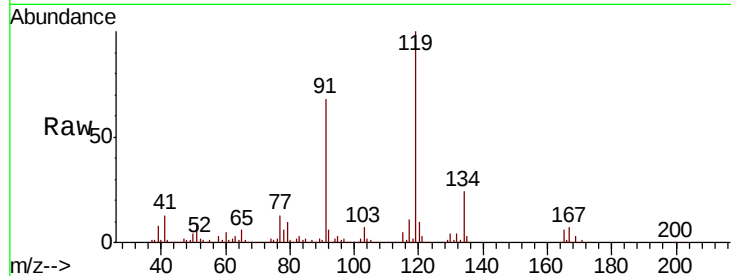




#83
 tert-Butylbenzene
 Concen: 47.988 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

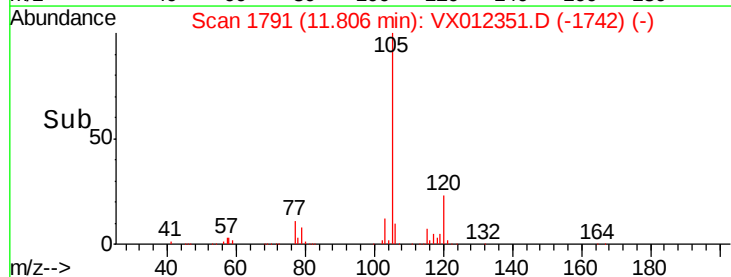
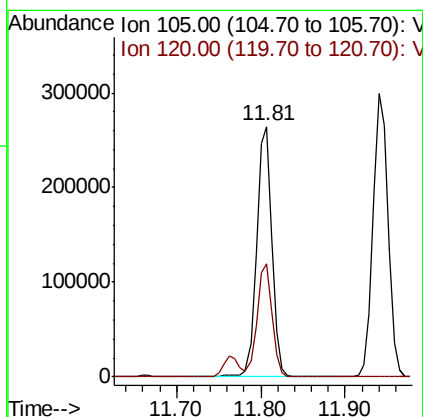
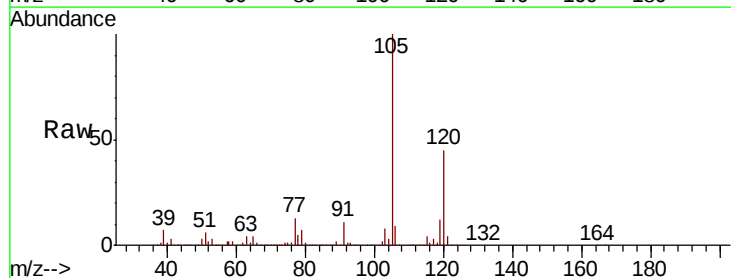
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

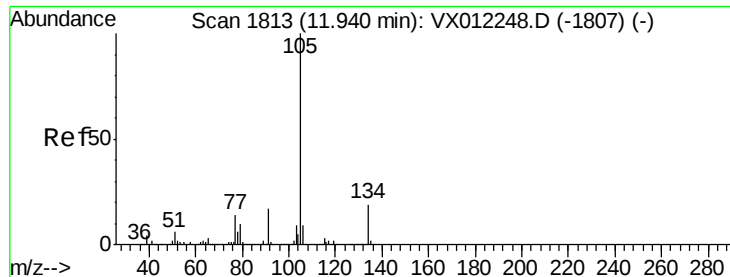
Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.9	92.8
134	23.2	11.2	33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.617 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.3	63.9

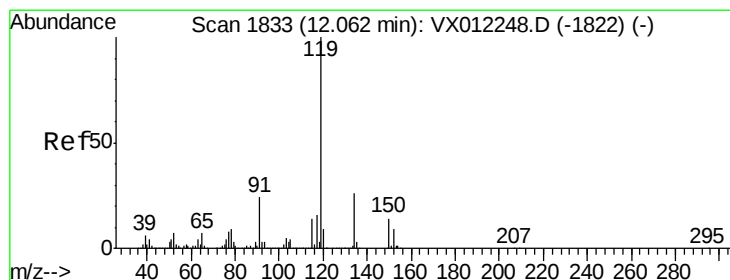
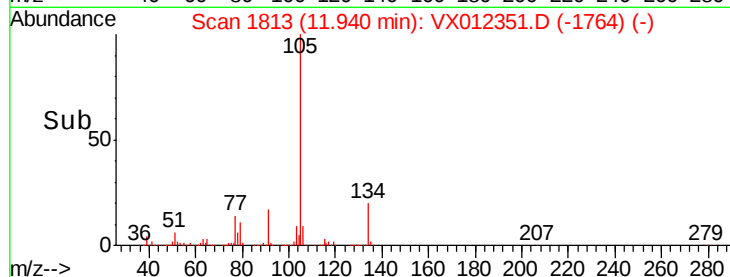
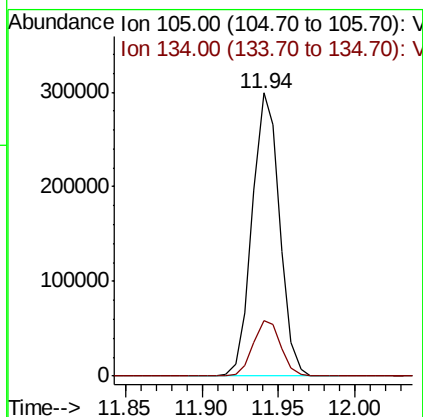
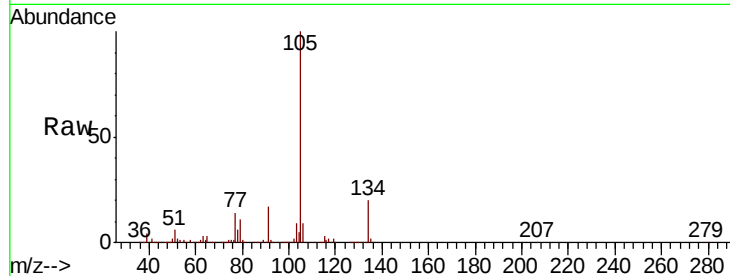




#85
 sec-Butylbenzene
 Concen: 47.156 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

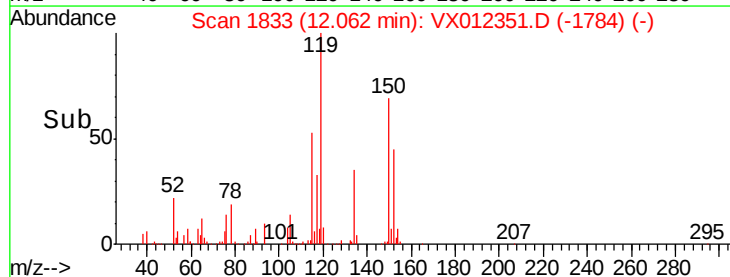
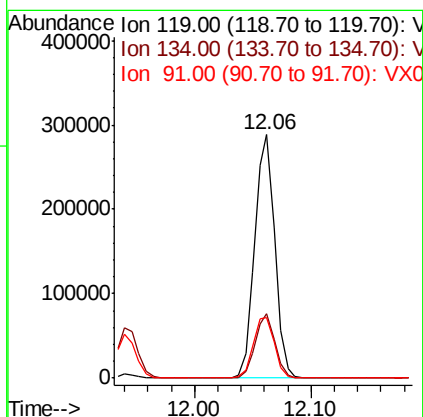
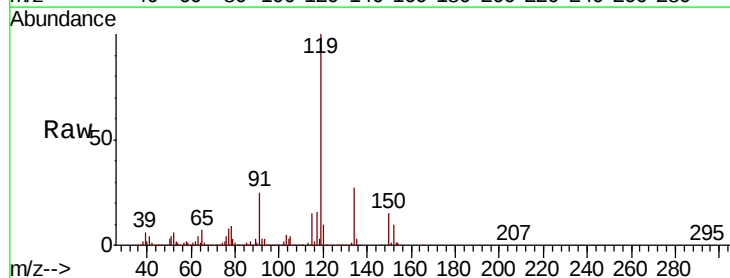
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

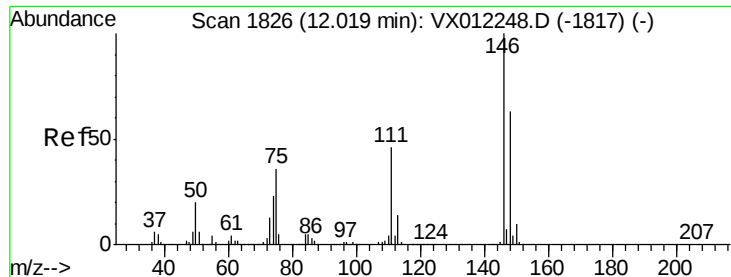
Tgt Ion:105 Resp: 372838
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 47.686 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion:119 Resp: 348362
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 26.2 13.1 39.1

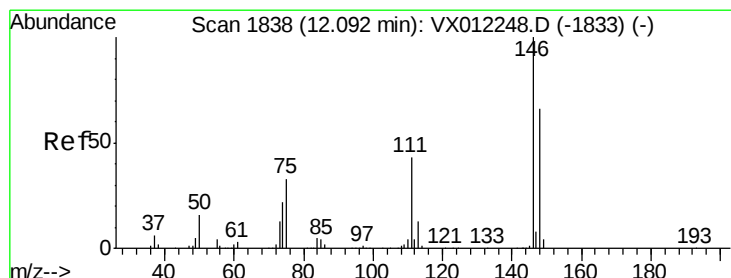
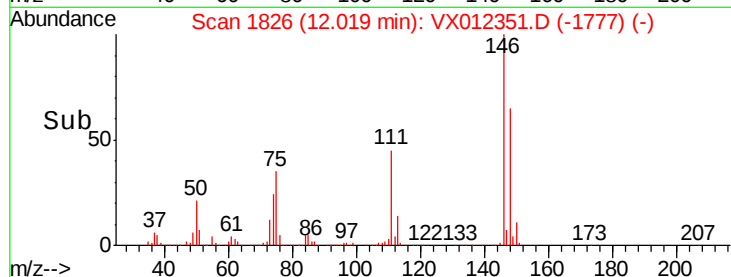
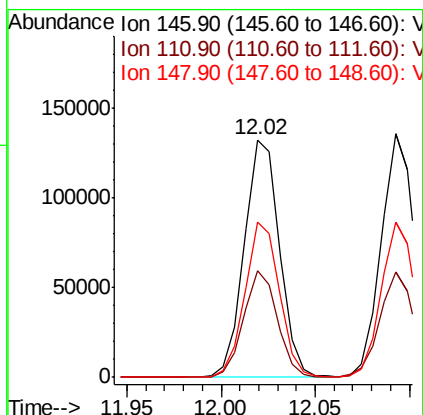
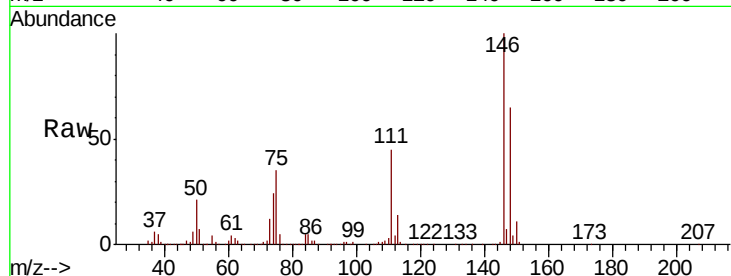




#87
 1,3-Dichlorobenzene
 Concen: 48.372 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

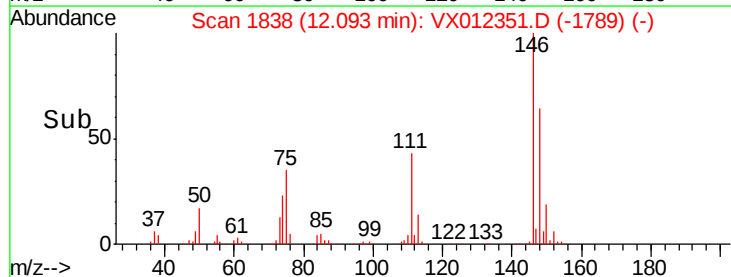
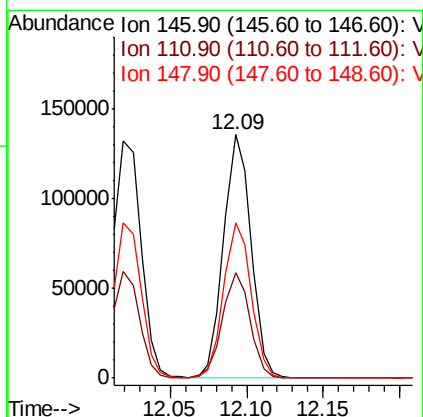
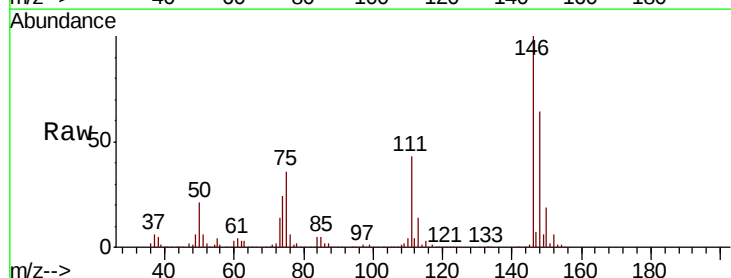
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

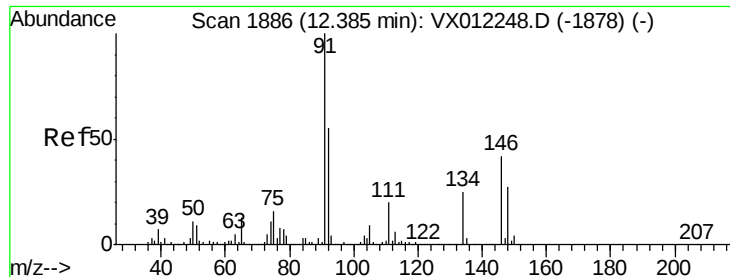
Tgt Ion:146 Resp: 172156
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.3 66.8
 148 64.0 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 47.099 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion:146 Resp: 169498
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.6 64.8
 148 64.4 32.4 97.2

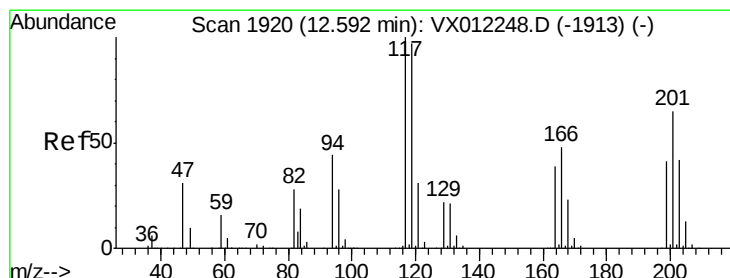
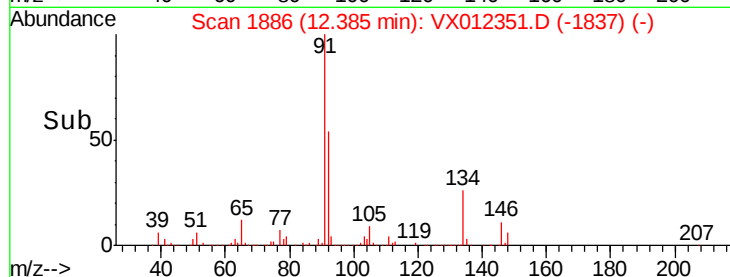
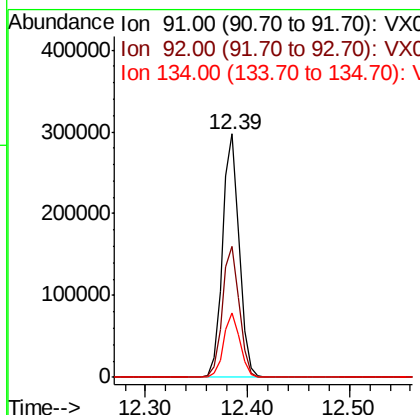
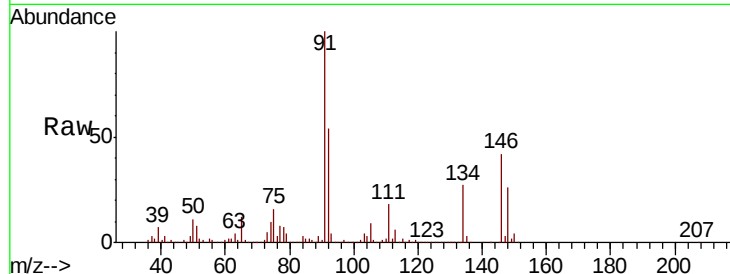




#89
n-Butylbenzene
Concen: 47.336 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

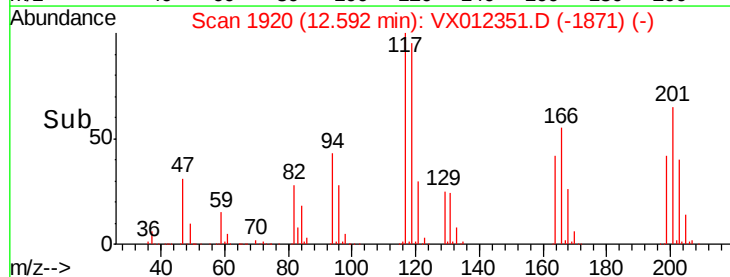
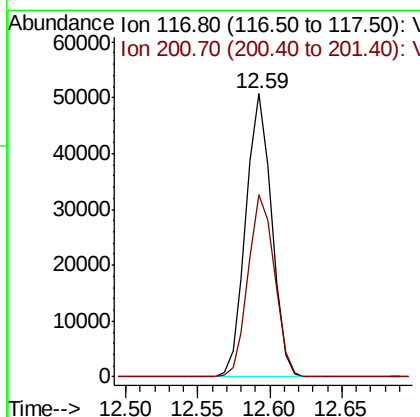
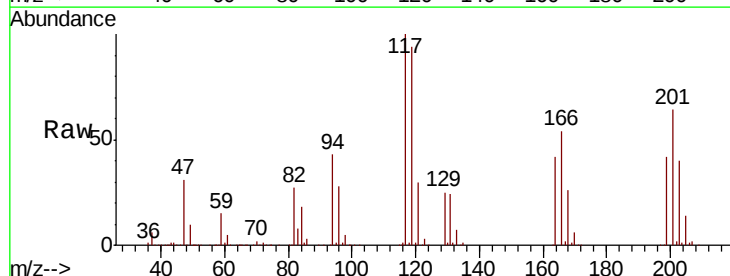
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MSVOA_X
ClientSampleId :
VSTDCCC050

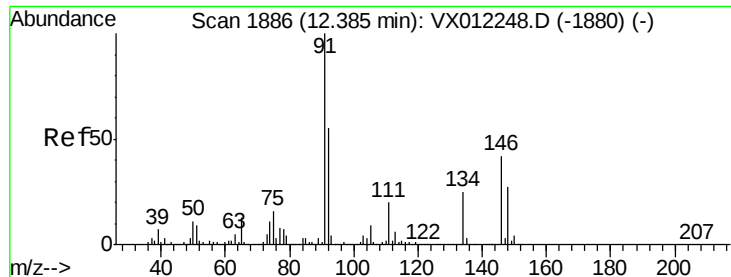
Tgt Ion: 91 Resp: 338941
Ion Ratio Lower Upper
91 100
92 54.7 27.6 82.7
134 25.8 12.5 37.5



#90
Hexachloroethane
Concen: 46.873 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 117 Resp: 63073
Ion Ratio Lower Upper
117 100
201 65.7 32.2 96.6





#91

1,2-Dichlorobenzene

Concen: 47.668 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

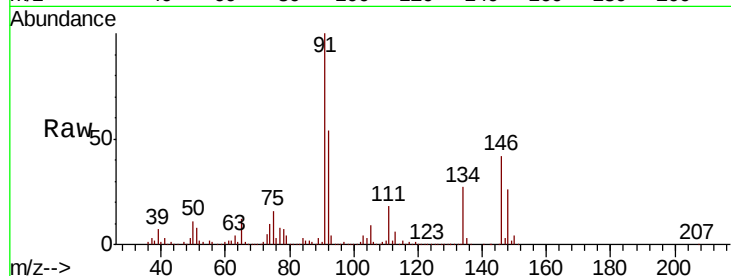
Tgt Ion:146 Resp: 156933

Ion Ratio Lower Upper

146 100

111 44.5 23.2 69.6

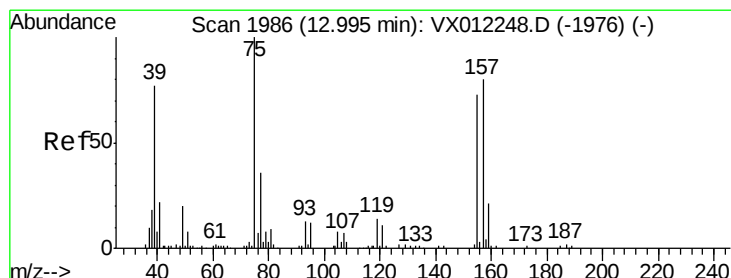
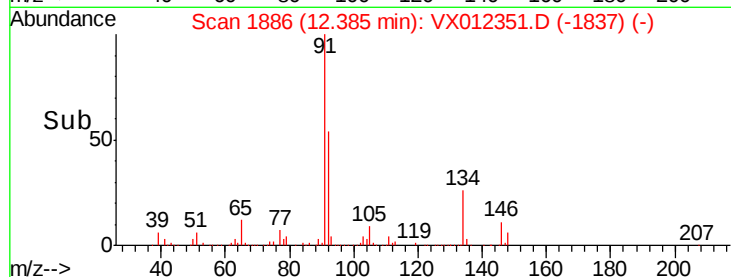
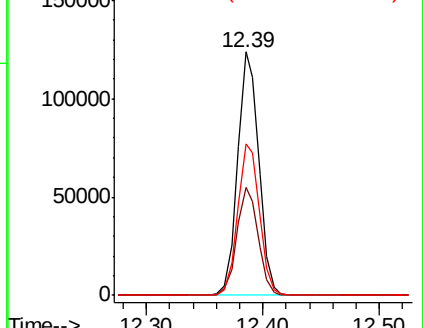
148 63.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.689 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

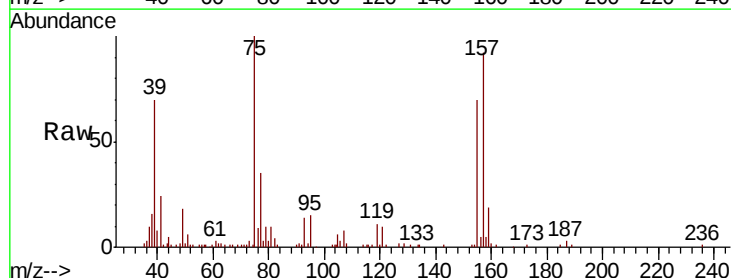
Tgt Ion: 75 Resp: 13868

Ion Ratio Lower Upper

75 100

155 72.2 35.3 105.7

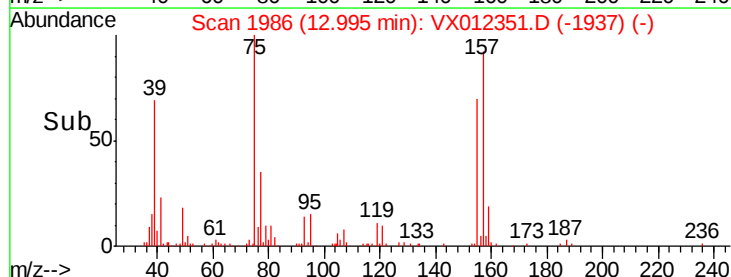
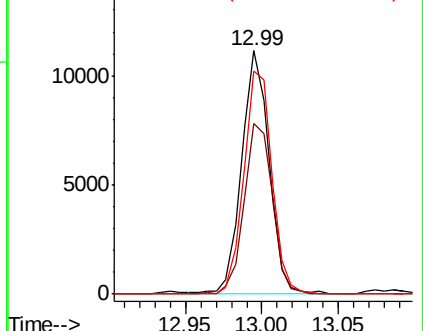
157 93.4 43.2 129.6

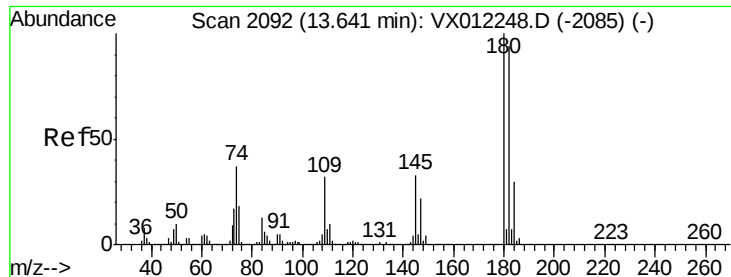


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

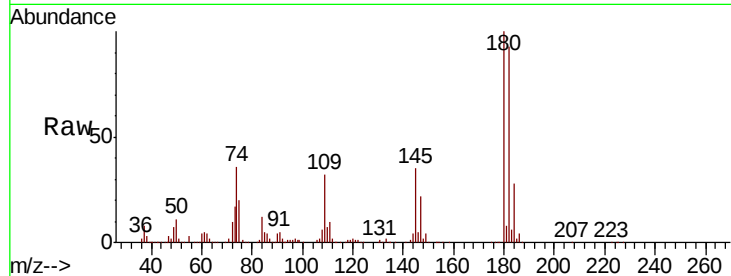




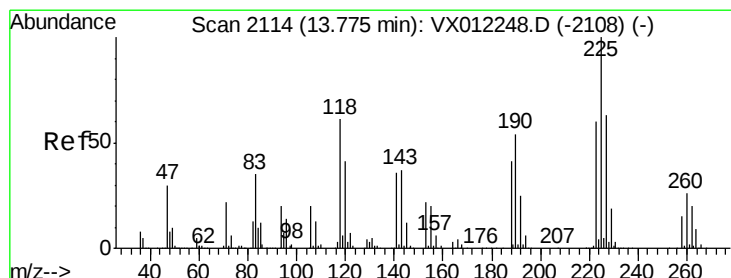
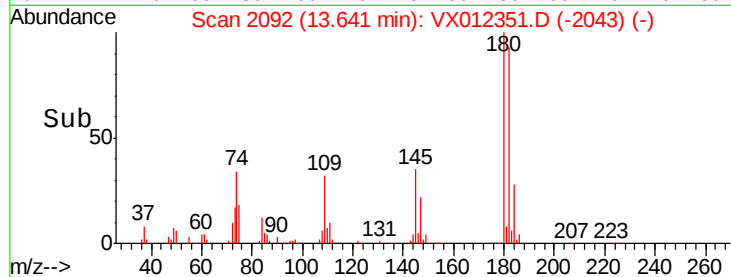
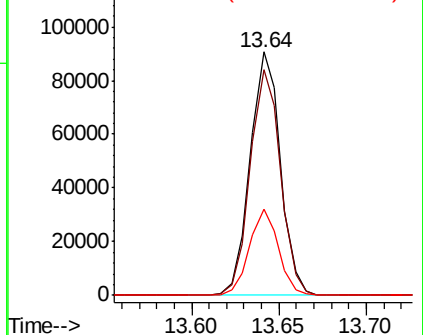
#93
 1,2,4-Trichlorobenzene
 Concen: 47.990 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 109108
 Ion Ratio Lower Upper
 180 100
 182 92.8 46.9 140.8
 145 34.1 17.1 51.2

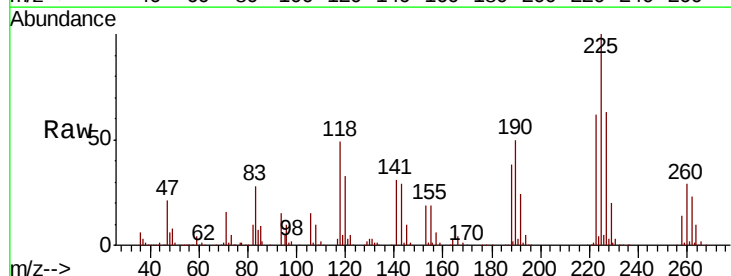


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

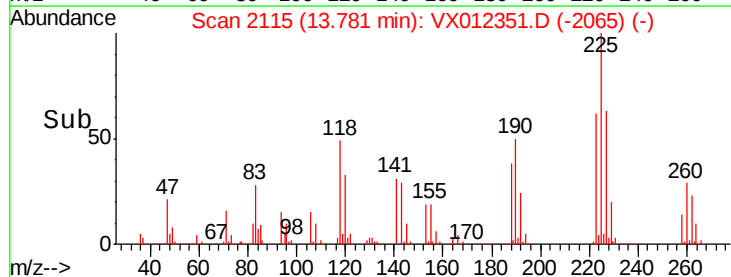
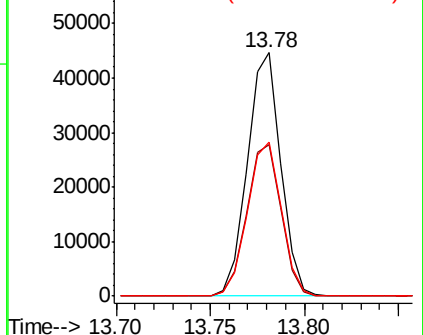


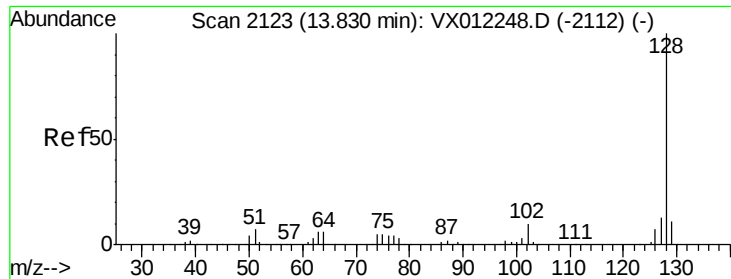
#94
 Hexachlorobutadiene
 Concen: 48.490 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion:225 Resp: 54845
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.1 96.5
 227 64.3 32.5 97.5



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

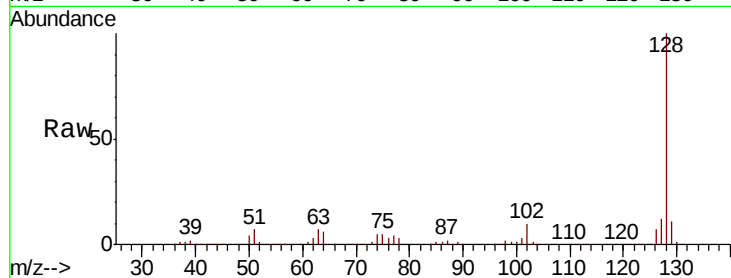




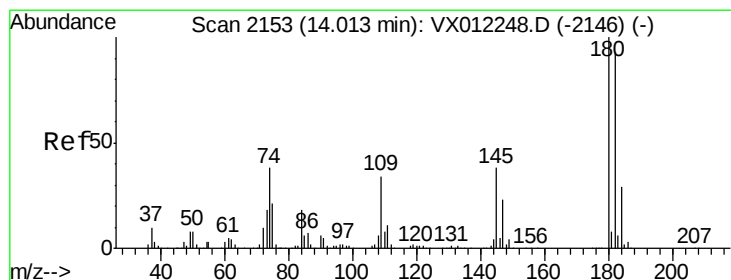
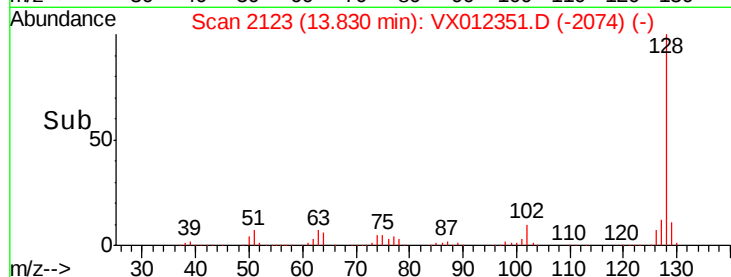
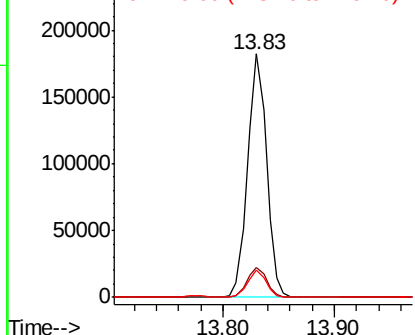
#95
Naphthalene
Concen: 44.349 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 216383
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.9 13.3

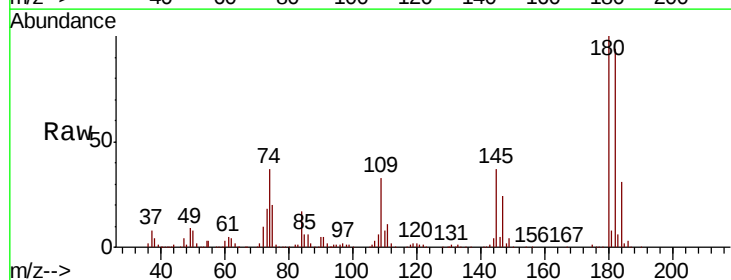


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.944 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion:180 Resp: 94433
Ion Ratio Lower Upper
180 100
182 94.2 47.0 141.0
145 36.1 18.6 55.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

