

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012398.D
 Acq On : 13 Sep 2019 20:33
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 14 00:07:03 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	5.65	168	104165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	181481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	168539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	79335	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	5.48	113	63256	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	8.71	98	236494	57.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.92%	
62) 4-Bromofluorobenzene	11.14	95	99015	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	40916	48.044	ug/l	99
3) Chloromethane	1.31	50	42059	54.789	ug/l	96
4) Vinyl Chloride	1.40	62	40618	53.364	ug/l	98
5) Bromomethane	1.62	94	21551	71.886	ug/l	98
6) Chloroethane	1.71	64	27976	54.965	ug/l	98
7) Trichlorofluoromethane	1.92	101	73663	53.474	ug/l	97
8) Diethyl Ether	2.18	74	27561	58.633	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51371	55.331	ug/l	98
10) Methyl Iodide	2.50	142	30412	34.417	ug/l	99
11) Tert butyl alcohol	3.03	59	43009	275.996	ug/l	98
12) 1,1-Dichloroethene	2.36	96	45089	57.204	ug/l	97
13) Acrolein	2.28	56	23045	299.347	ug/l	99
14) Allyl chloride	2.72	41	86538	53.851	ug/l	99
15) Acrylonitrile	3.13	53	92979	319.988	ug/l	98
16) Acetone	2.43	43	88692	254.402	ug/l	95
17) Carbon Disulfide	2.56	76	83536	50.469	ug/l	99
18) Methyl Acetate	2.76	43	46640	63.649	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	184011	59.116	ug/l	99
20) Methylene Chloride	2.84	84	62914	58.279	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	52372	55.692	ug/l	98
22) Diisopropyl ether	3.84	45	210719	57.336	ug/l	# 89
23) Vinyl Acetate	3.80	43	650555	288.513	ug/l	99
24) 1,1-Dichloroethane	3.69	63	113553	57.683	ug/l	100
25) 2-Butanone	4.65	43	130267	292.294	ug/l	97
26) 2,2-Dichloropropane	4.57	77	90129	48.766	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	70100	57.739	ug/l	95
28) Bromochloromethane	5.00	49	54118	58.616	ug/l	100
29) Tetrahydrofuran	5.12	42	77625	322.820	ug/l	100
30) Chloroform	5.20	83	125069	56.341	ug/l	98
31) Cyclohexane	5.56	56	71878	52.563	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103536	54.318	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71233	53.830	ug/l	97
37) Ethyl Acetate	4.82	43	52664	64.380	ug/l	99
38) Carbon Tetrachloride	5.78	117	84337	54.321	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78382	53.974	ug/l	94
40) Benzene	6.13	78	233780	58.371	ug/l	98
41) Methacrylonitrile	5.03	41	32758	64.958	ug/l	96
42) 1,2-Dichloroethane	6.18	62	92010	58.126	ug/l	99
43) Isopropyl Acetate	6.43	43	104874	60.810	ug/l	100
44) Trichloroethene	7.20	130	64251	59.278	ug/l	97
45) 1,2-Dichloropropane	7.51	63	65199	58.812	ug/l	98
46) Dibromomethane	7.65	93	37268	61.510	ug/l	97
47) Bromodichloromethane	7.89	83	95308	57.642	ug/l	98
48) Methyl methacrylate	7.76	41	50441	61.103	ug/l	99
49) 1,4-Dioxane	7.73	88	14493	1301.077	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	292905	321.797	ug/l	100
52) Toluene	8.78	92	155185	58.662	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	90782	55.009	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	102271	55.886	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	58832	62.675	ug/l	99
56) Ethyl methacrylate	9.17	69	77787	61.204	ug/l	99
57) 1,3-Dichloropropane	9.37	76	95731	59.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	185233	284.363	ug/l	100
59) 2-Hexanone	9.48	43	203661	321.800	ug/l	99
60) Dibromochloromethane	9.57	129	64827	59.158	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54698	62.600	ug/l	98
64) Tetrachloroethene	9.33	164	57742	64.781	ug/l	96
65) Chlorobenzene	10.14	112	182283	59.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	69249	59.652	ug/l	98
67) Ethyl Benzene	10.25	91	317542	57.976	ug/l	98
68) m/p-Xylenes	10.36	106	235676	116.891	ug/l	100
69) o-Xylene	10.70	106	115648	58.553	ug/l	99
70) Styrene	10.71	104	209917	59.928	ug/l	99
71) Bromoform	10.85	173	35900	59.637	ug/l #	98
73) Isopropylbenzene	11.01	105	322470	55.654	ug/l	100
74) N-amyl acetate	10.89	43	96887	56.238	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	76438	61.426	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	78847	69.735	ug/l	88
77) Bromobenzene	11.25	156	77186	57.859	ug/l	96
78) n-propylbenzene	11.35	91	383609	54.824	ug/l	99
79) 2-Chlorotoluene	11.42	91	235901	54.417	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	292929	56.217	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19253	51.020	ug/l	94
82) 4-Chlorotoluene	11.51	91	289542	55.576	ug/l	99
83) tert-Butylbenzene	11.76	119	281020	55.542	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	301152	55.908	ug/l	98
85) sec-Butylbenzene	11.94	105	333616	55.261	ug/l	100
86) p-Isopropyltoluene	12.06	119	318253	57.054	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	158142	58.194	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	158253	57.591	ug/l	100
89) n-Butylbenzene	12.39	91	302746	55.374	ug/l	99
90) Hexachloroethane	12.59	117	54563	53.105	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	149664	59.537	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14641	57.641	ug/l	91

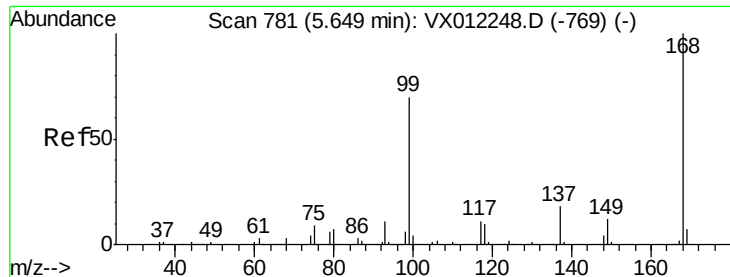
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	111208	64.060	ug/l	99
94) Hexachlorobutadiene	13.78	225	56642	65.586	ug/l	98
95) Naphthalene	13.83	128	245642	65.936	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	100887	65.682	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

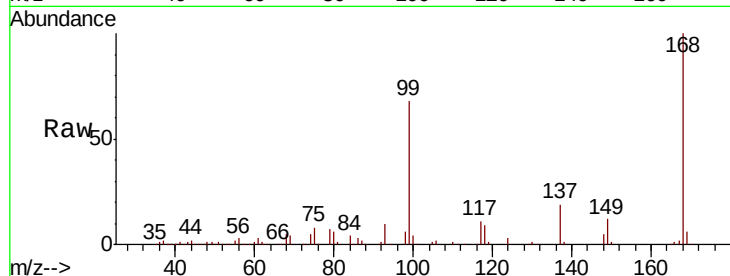
VSTDCCC050EC

Tgt Ion:168 Resp: 104165

Ion Ratio Lower Upper

168 100

99 67.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

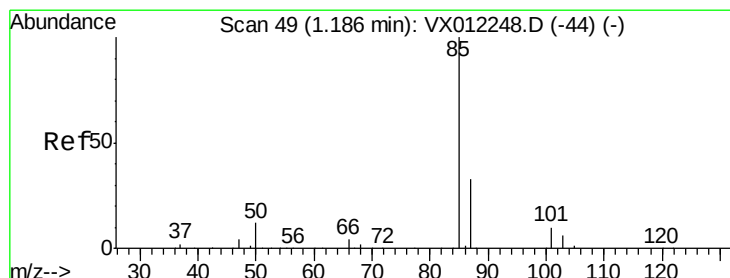
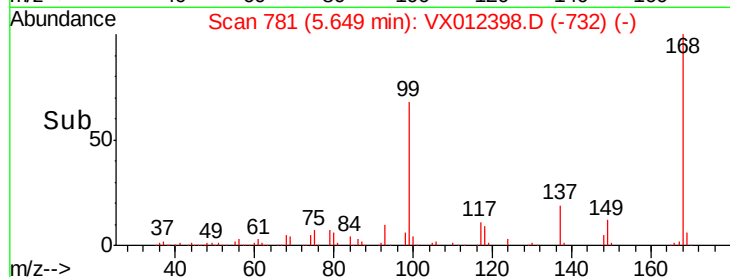
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.044 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012398.D

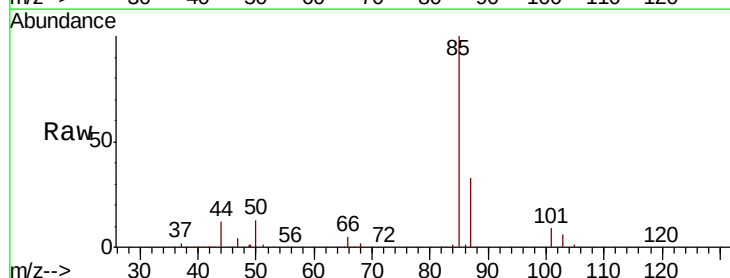
Acq: 13 Sep 2019 20:33

Tgt Ion: 85 Resp: 40916

Ion Ratio Lower Upper

85 100

87 33.0 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

40000

30000

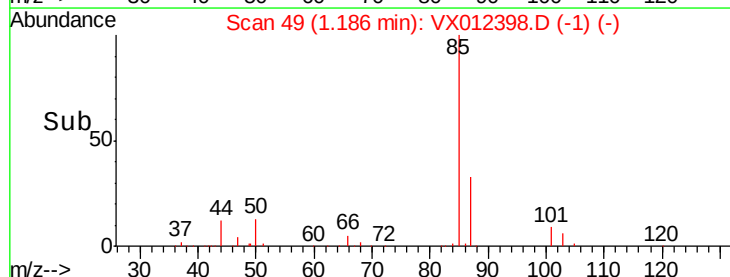
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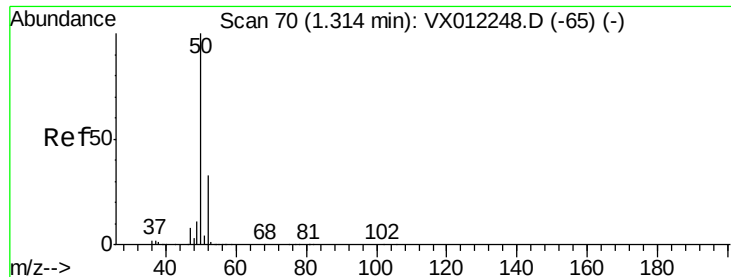
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 54.789 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

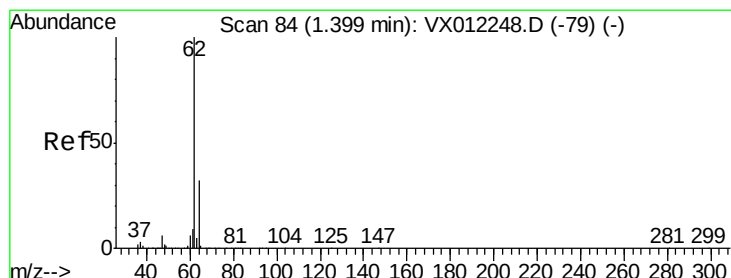
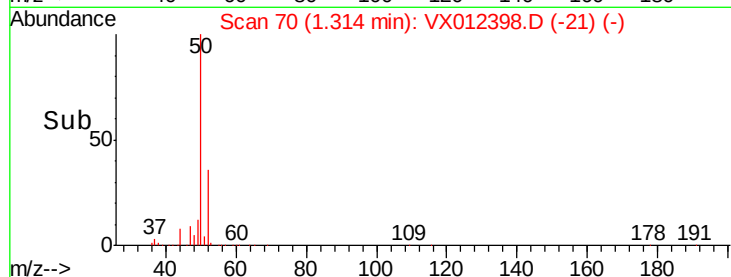
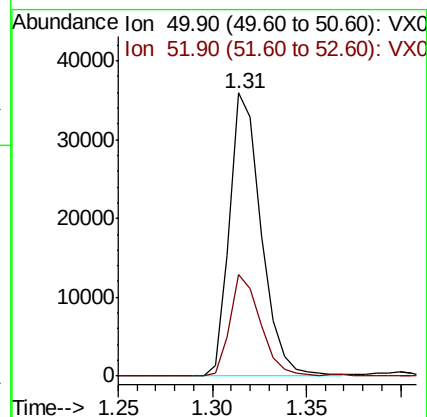
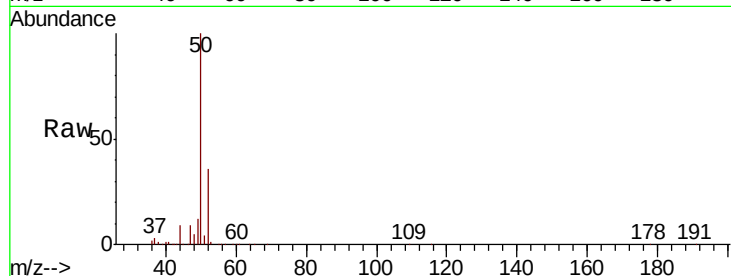
VSTDCCC050EC

Tgt Ion: 50 Resp: 42059

Ion Ratio Lower Upper

50 100

52 35.6 26.7 40.1



#4

Vinyl Chloride

Concen: 53.364 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012398.D

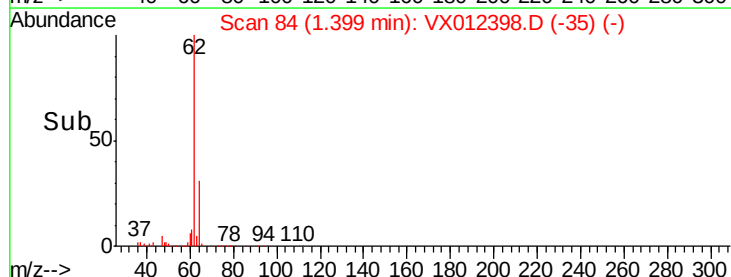
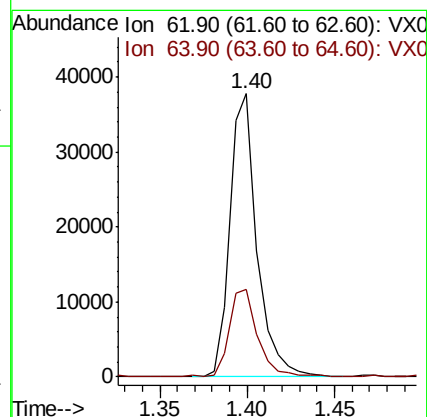
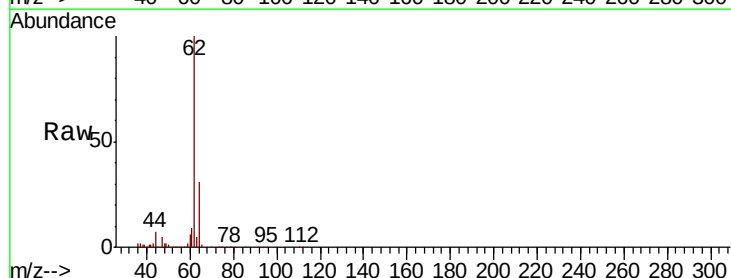
Acq: 13 Sep 2019 20:33

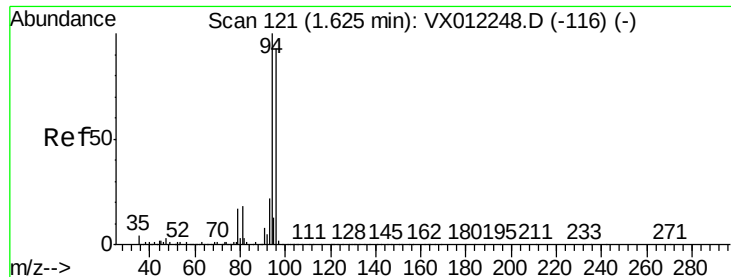
Tgt Ion: 62 Resp: 40618

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 71.886 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

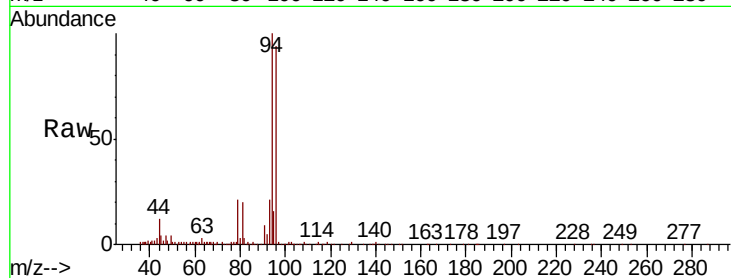
VSTDCCC050EC

Tgt Ion: 94 Resp: 21551

Ion Ratio Lower Upper

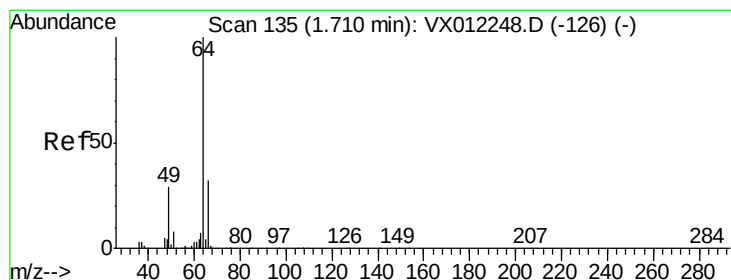
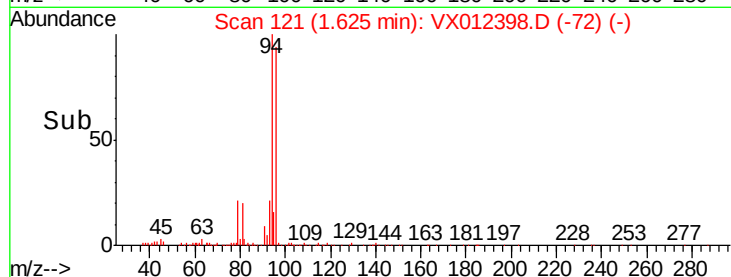
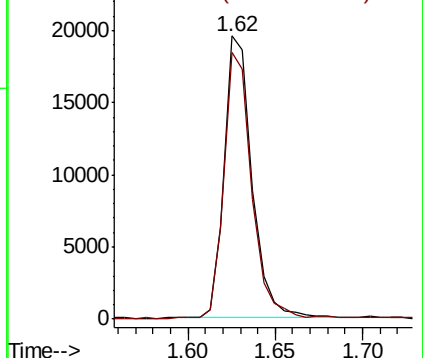
94 100

96 94.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.965 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012398.D

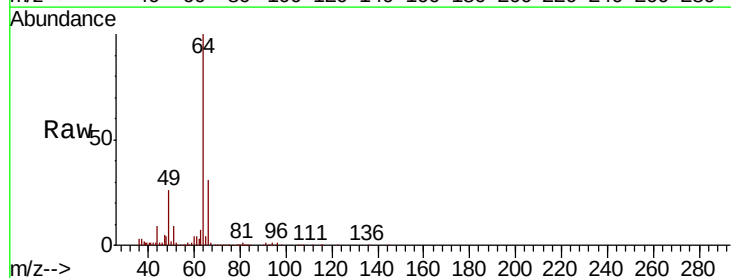
Acq: 13 Sep 2019 20:33

Tgt Ion: 64 Resp: 27976

Ion Ratio Lower Upper

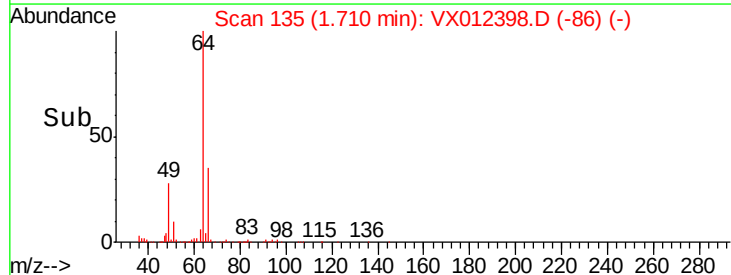
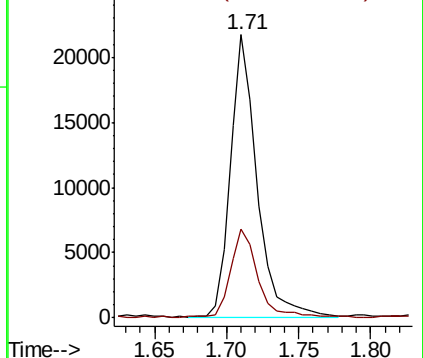
64 100

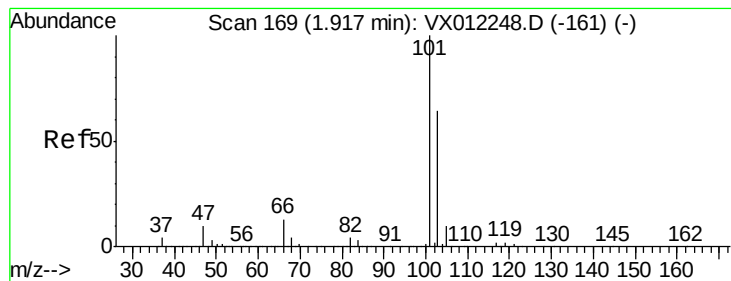
66 30.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



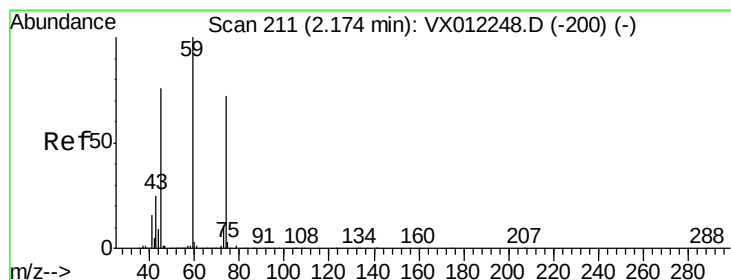
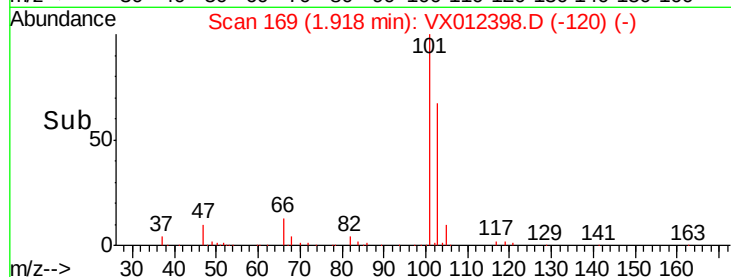
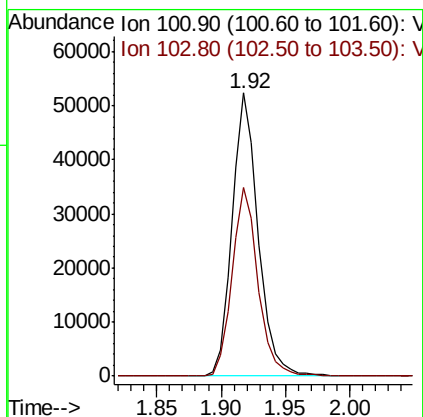
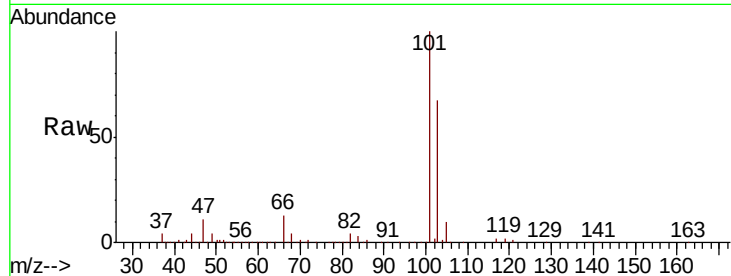


#7

Trichlorofluoromethane
Concen: 53.474 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Instrument :
MSVOA_X
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VSTDCCC050EC

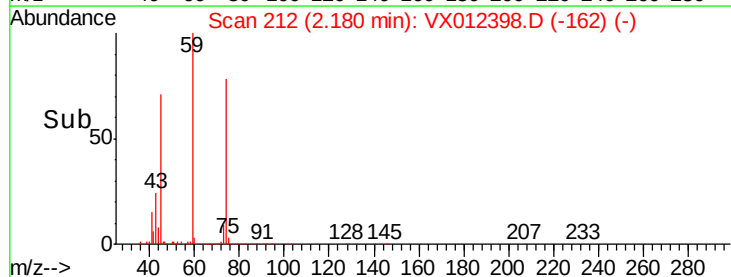
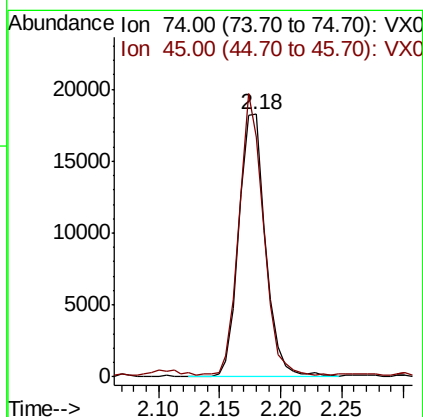
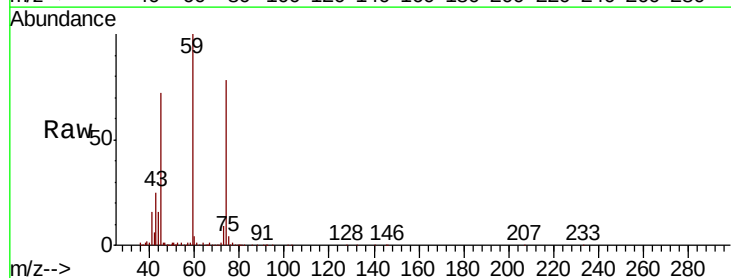
Tgt Ion: 101 Resp: 73663
Ion Ratio Lower Upper
101 100
103 66.5 51.4 77.2

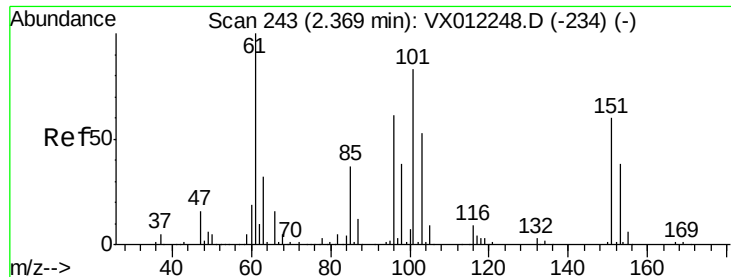


#8

Diethyl Ether
Concen: 58.633 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 74 Resp: 27561
Ion Ratio Lower Upper
74 100
45 96.6 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.331 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

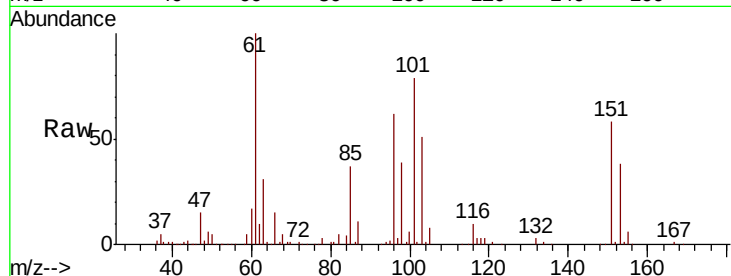
Tgt Ion:101 Resp: 51371

Ion Ratio Lower Upper

101 100

85 45.9 37.0 55.6

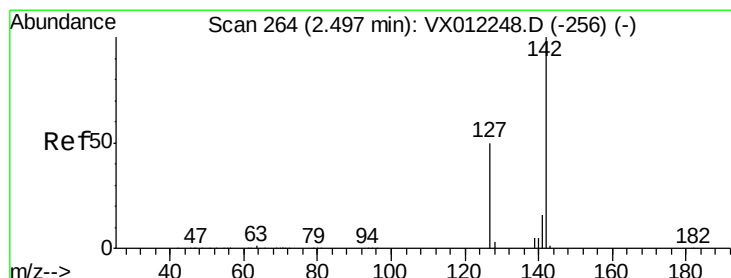
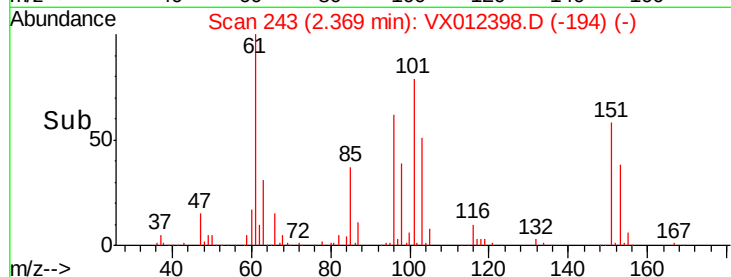
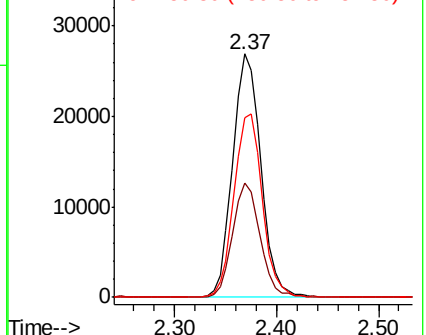
151 75.6 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.417 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

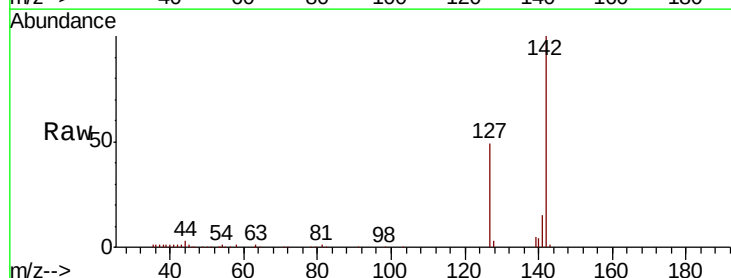
Tgt Ion:142 Resp: 30412

Ion Ratio Lower Upper

142 100

127 50.0 40.6 61.0

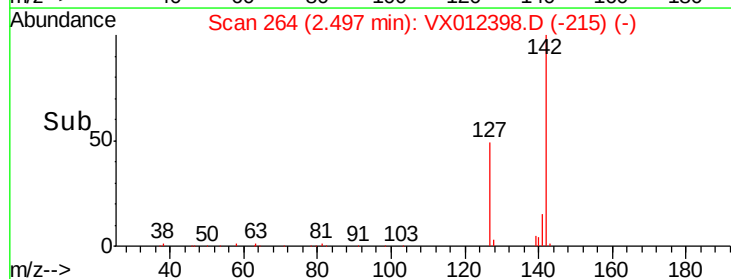
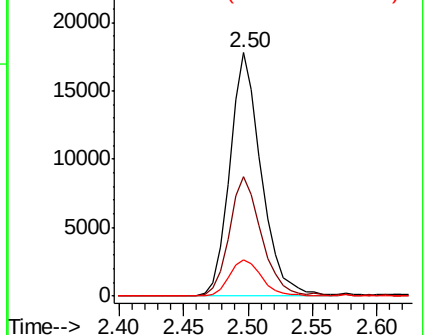
141 15.3 12.0 18.0

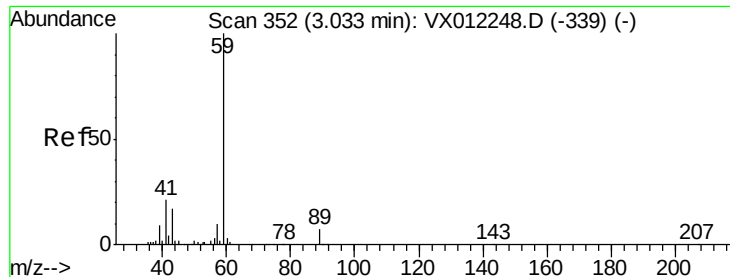


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

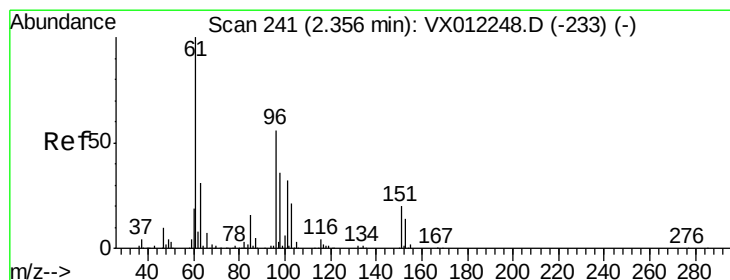
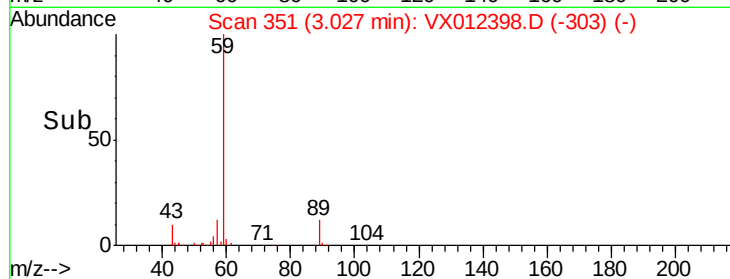
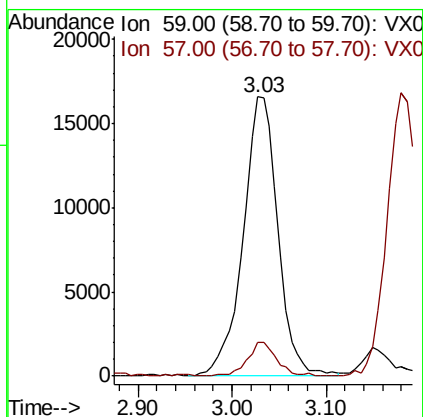
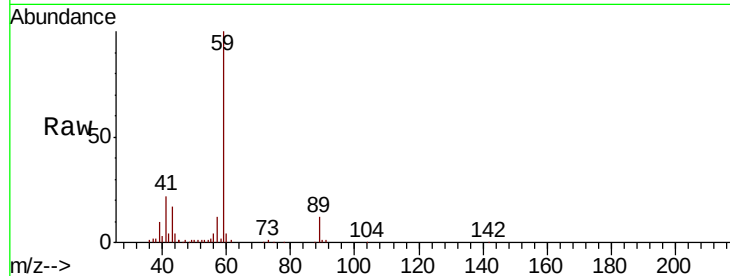




#11
Tert butyl alcohol
Concen: 275.996 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

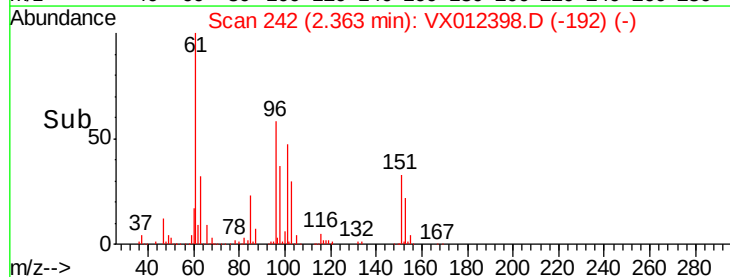
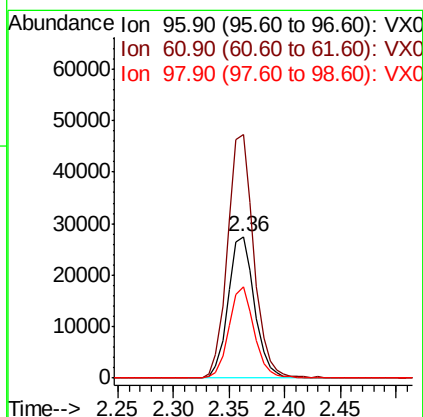
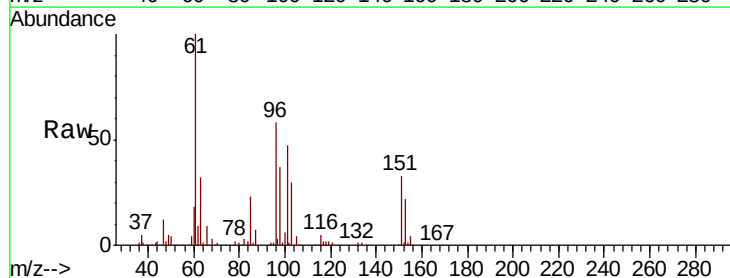
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

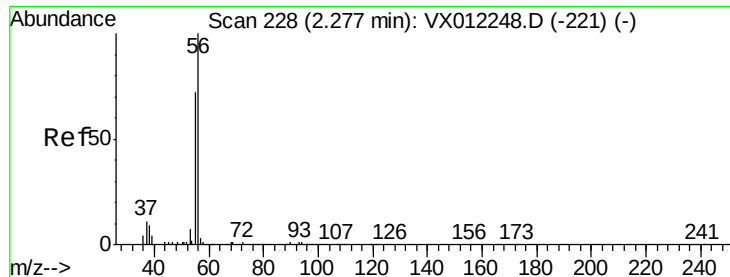
Tgt Ion: 59 Resp: 43009
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.6



#12
1,1-Dichloroethene
Concen: 57.204 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 96 Resp: 45089
Ion Ratio Lower Upper
96 100
61 172.2 142.2 213.2
98 64.3 51.3 76.9

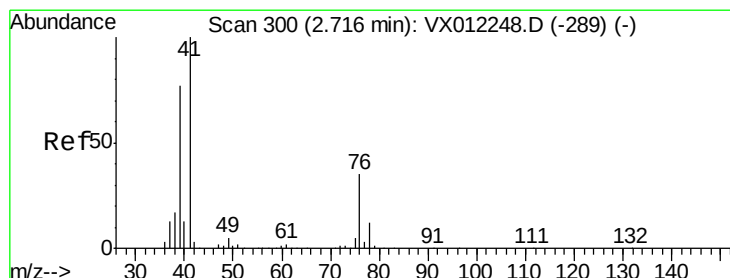
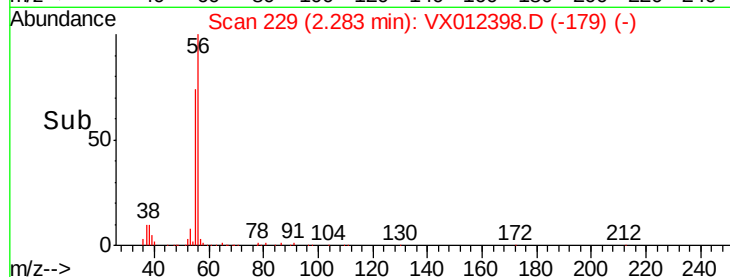
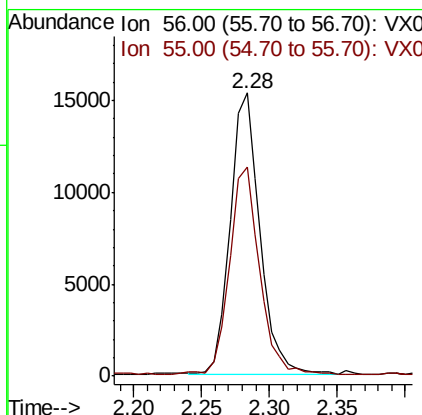
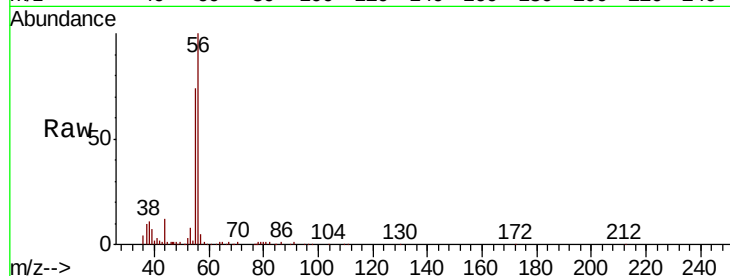




#13
Acrolein
Concen: 299.347 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

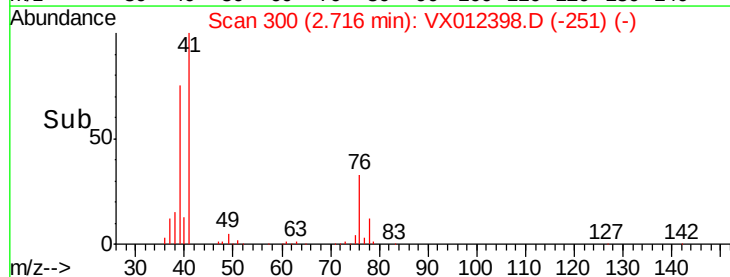
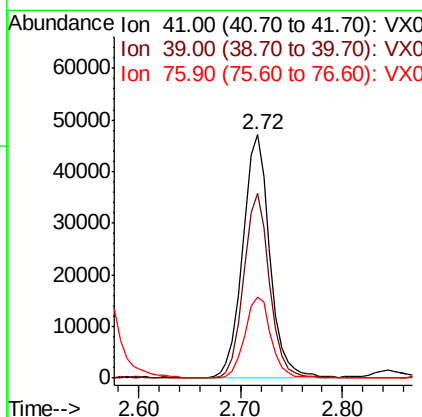
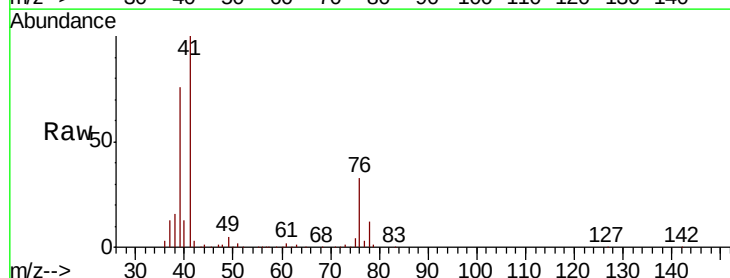
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

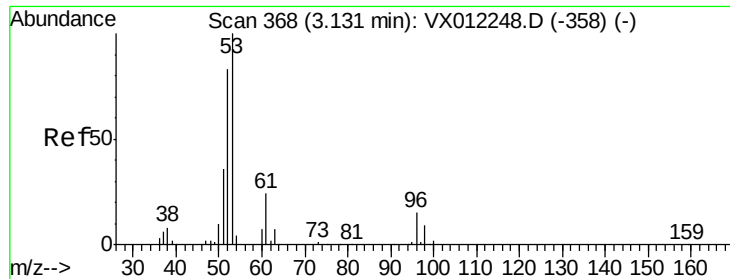
Tgt Ion: 56 Resp: 23045
Ion Ratio Lower Upper
56 100
55 75.3 59.8 89.6



#14
Allyl chloride
Concen: 53.851 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 41 Resp: 86538
Ion Ratio Lower Upper
41 100
39 71.9 58.6 87.8
76 32.8 26.3 39.5

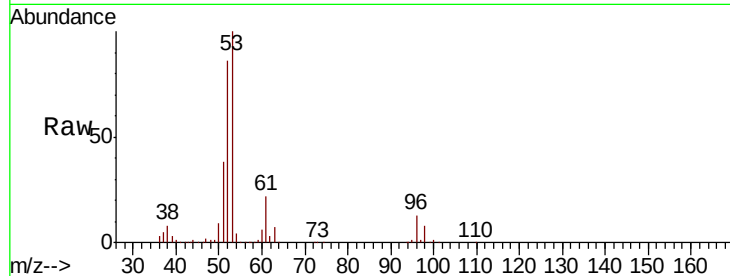




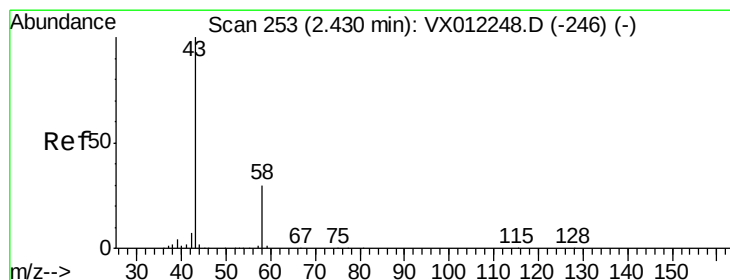
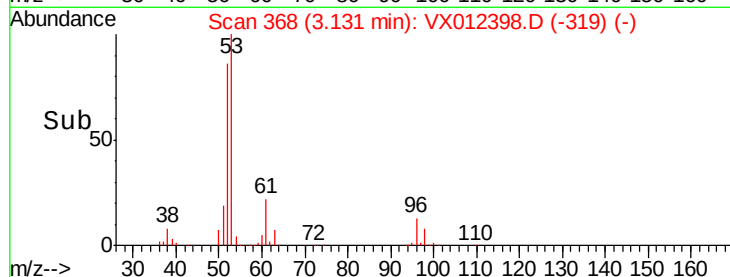
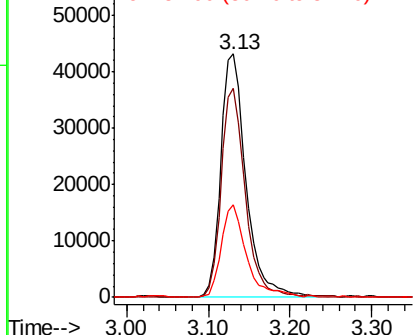
#15
 Acrylonitrile
 Concen: 319.988 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 53 Resp: 92979
 Ion Ratio Lower Upper
 53 100
 52 81.5 66.8 100.2
 51 37.6 30.7 46.1

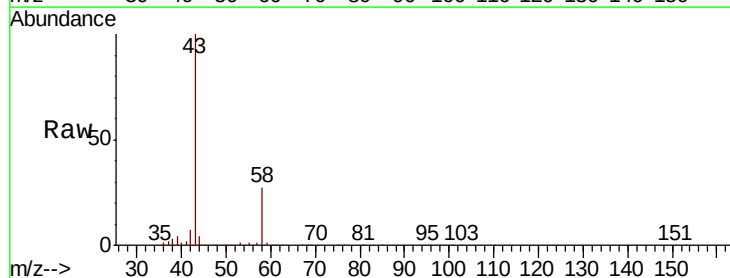


Abundance Ion 53.00 (52.70 to 53.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0
 Ion 51.00 (50.70 to 51.70): VX0

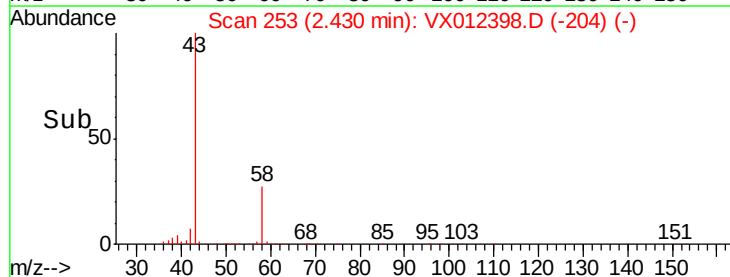
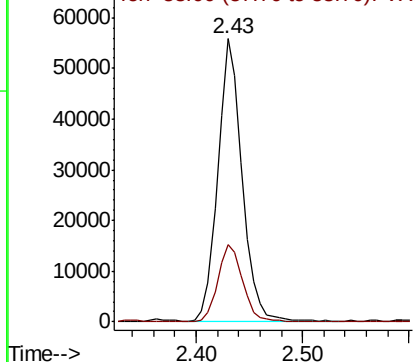


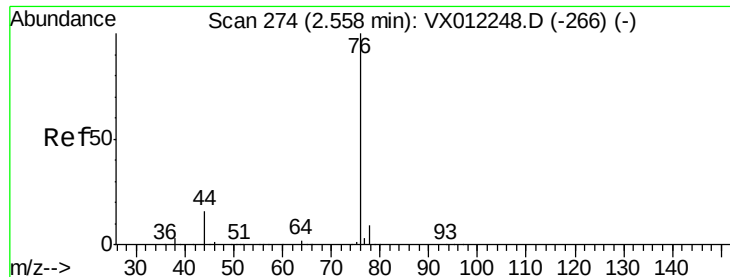
#16
 Acetone
 Concen: 254.402 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 43 Resp: 88692
 Ion Ratio Lower Upper
 43 100
 58 27.0 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: 50.469 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

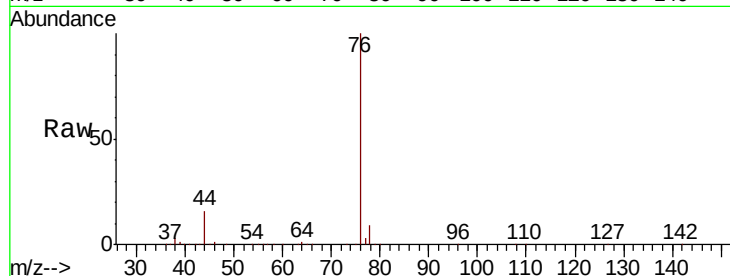
VSTDCCC050EC

Tgt Ion: 76 Resp: 83536

Ion Ratio Lower Upper

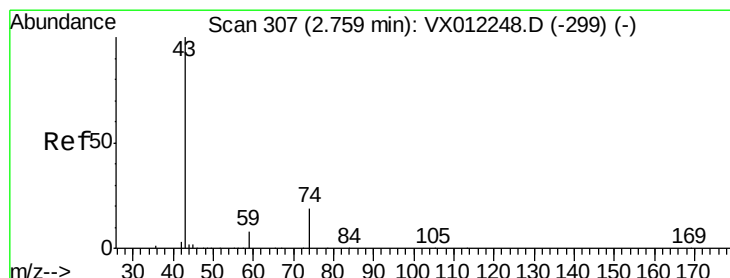
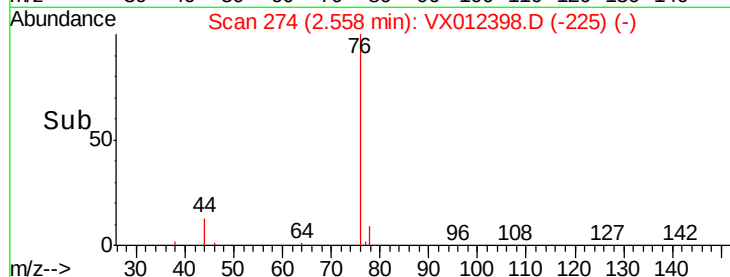
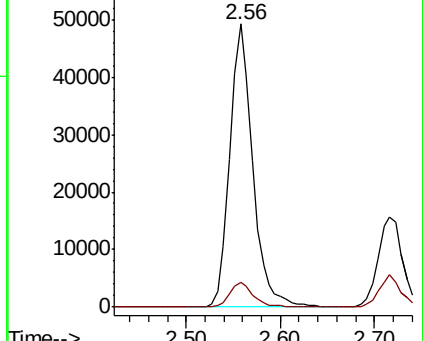
76 100

78 9.0 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: 63.649 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012398.D

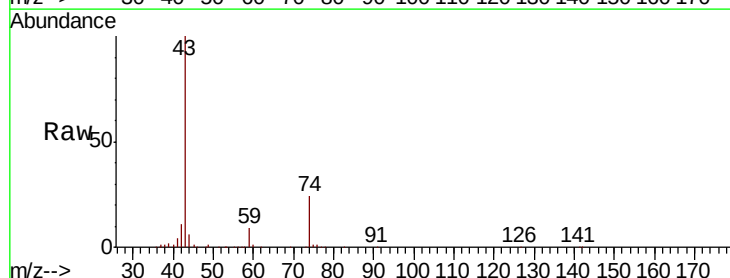
Acq: 13 Sep 2019 20:33

Tgt Ion: 43 Resp: 46640

Ion Ratio Lower Upper

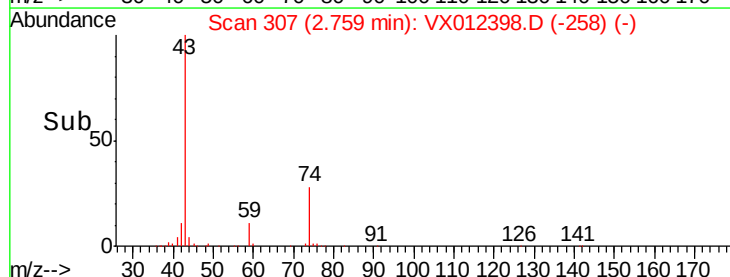
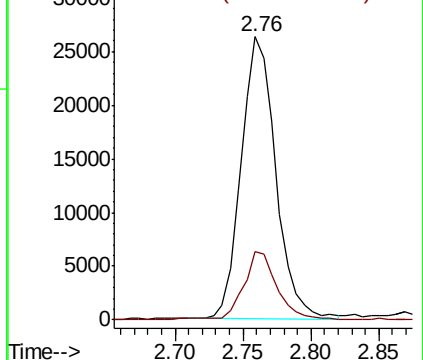
43 100

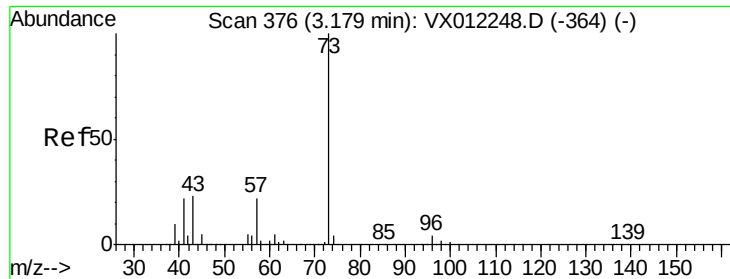
74 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

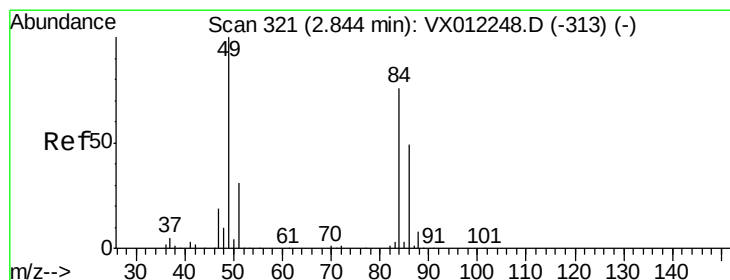
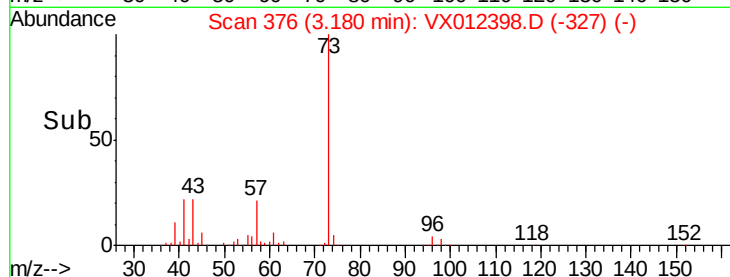
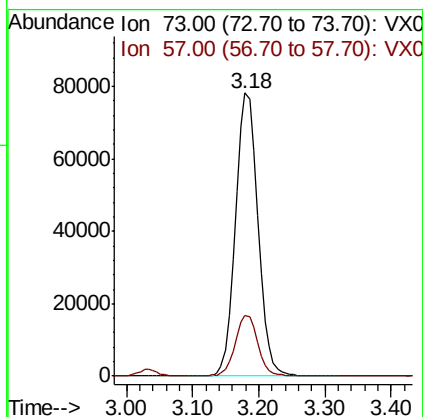
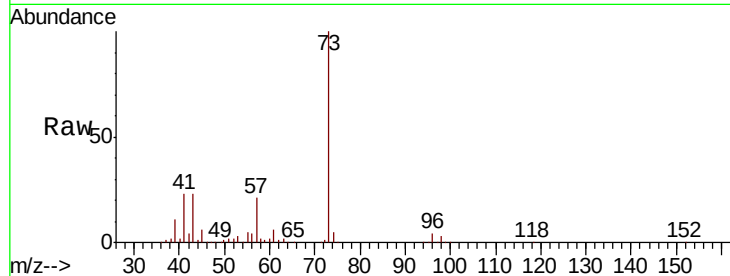




#19
Methyl tert-butyl Ether
Concen: 59.116 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

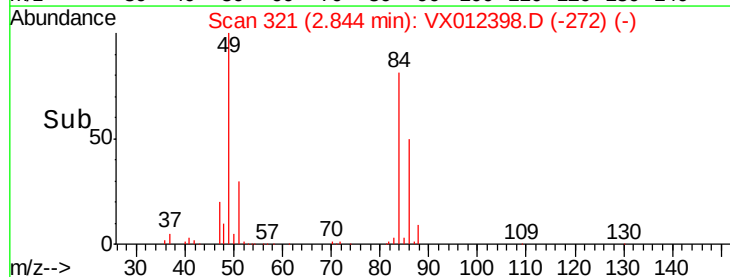
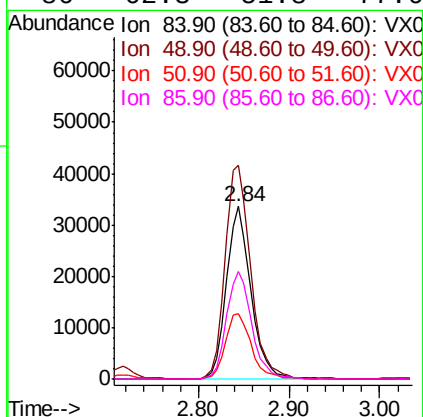
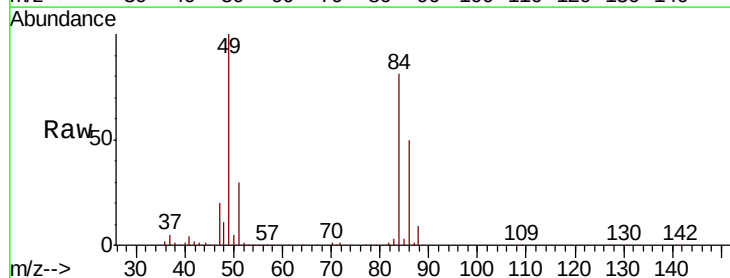
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

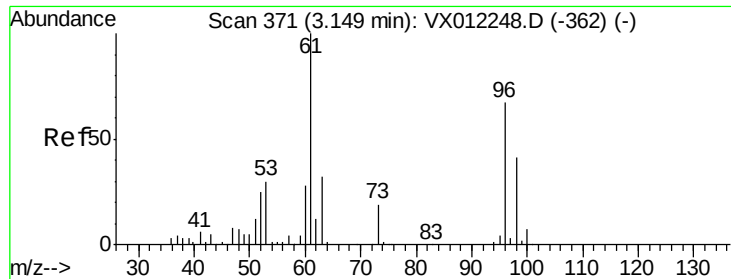
Tgt Ion: 73 Resp: 184011
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 58.279 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 84 Resp: 62914
Ion Ratio Lower Upper
84 100
49 123.9 105.0 157.6
51 37.6 32.6 48.8
86 62.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 55.692 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

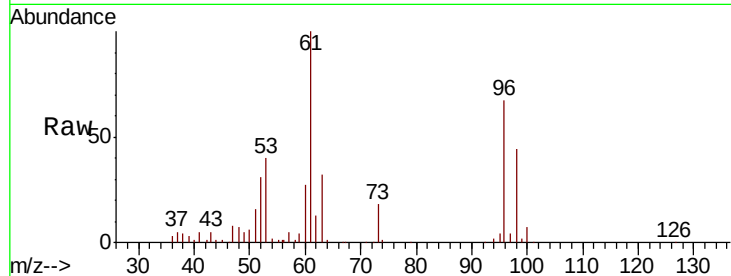
Tgt Ion: 96 Resp: 52372

Ion Ratio Lower Upper

96 100

61 149.2 119.4 179.2

98 65.2 48.4 72.6

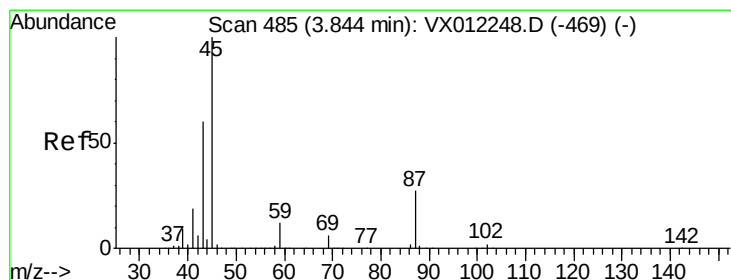
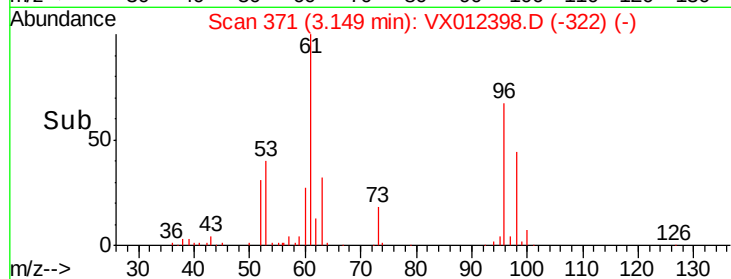
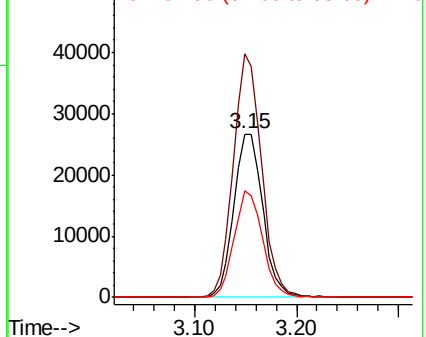


Abundance

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: 57.336 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Tgt Ion: 45 Resp: 210719

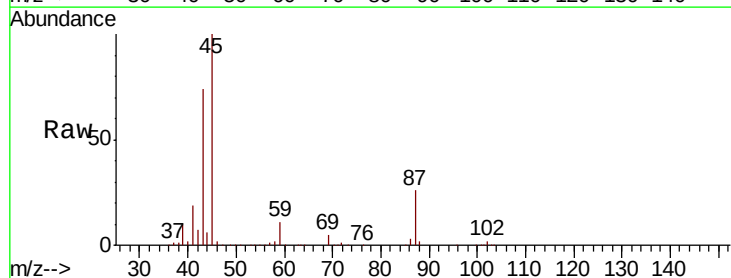
Ion Ratio Lower Upper

45 100

43 73.5 48.3 72.5#

87 26.0 21.8 32.8

59 11.1 9.1 13.7



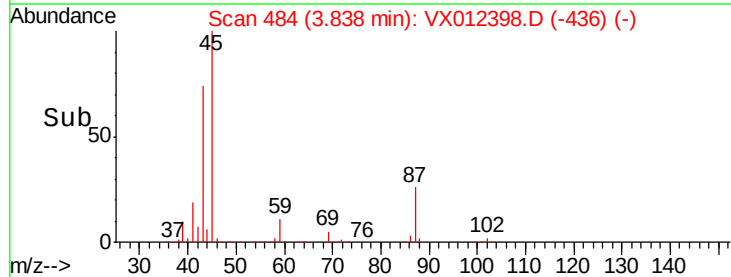
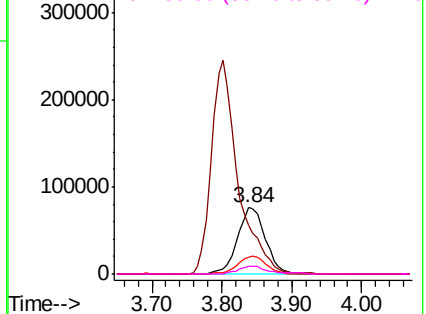
Abundance

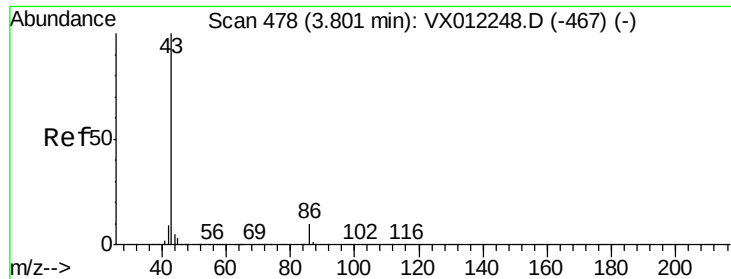
Ion 45.00 (44.70 to 45.70): VX0

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: 288.513 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

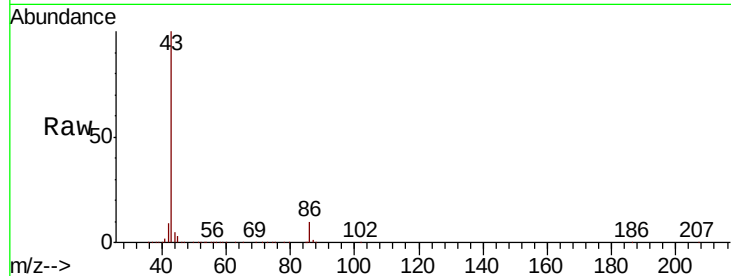
VSTDCCC050EC

Tgt Ion: 43 Resp: 650555

Ion Ratio Lower Upper

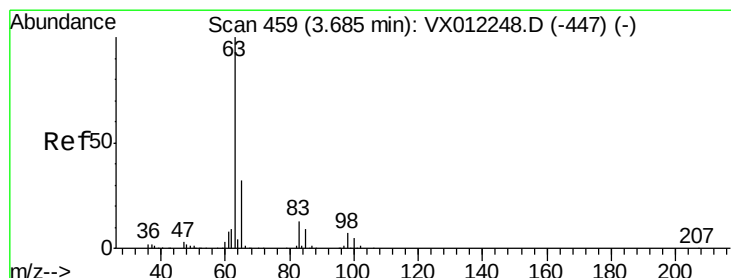
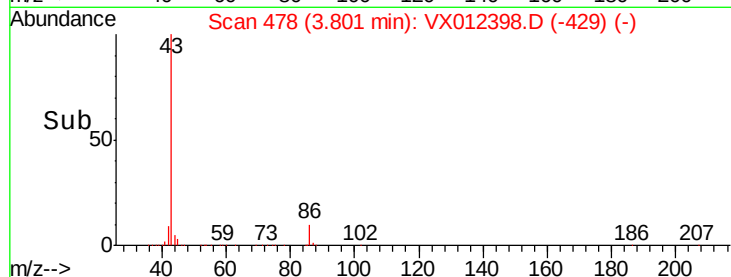
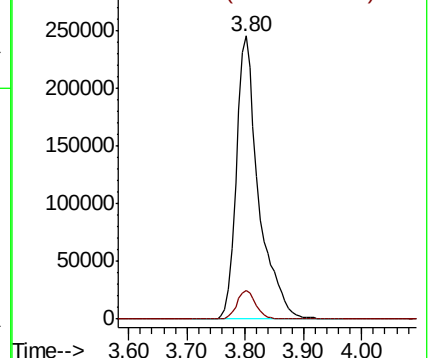
43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 57.683 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

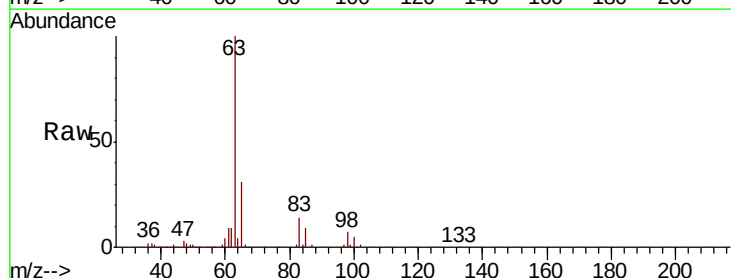
Tgt Ion: 63 Resp: 113553

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

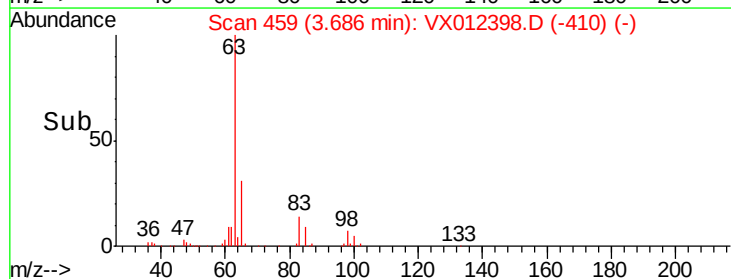
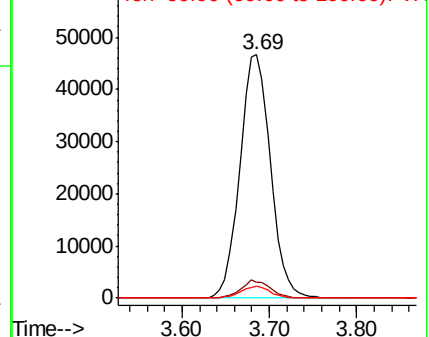
100 4.8 2.4 7.2

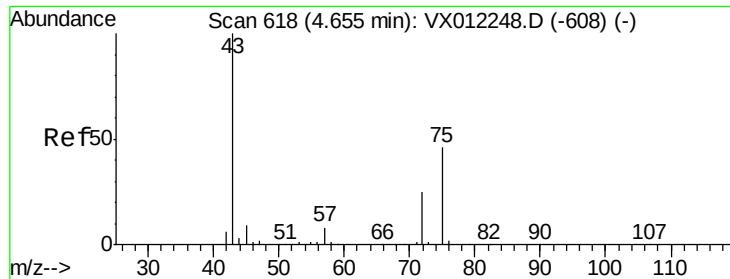


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 292.294 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

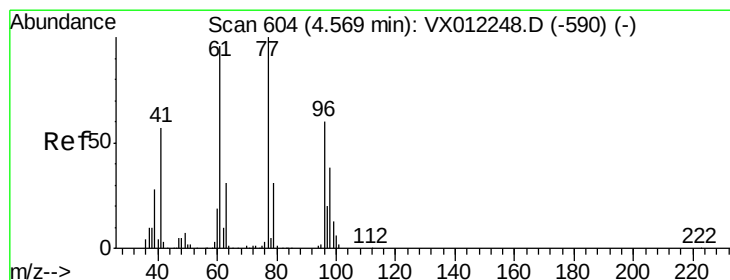
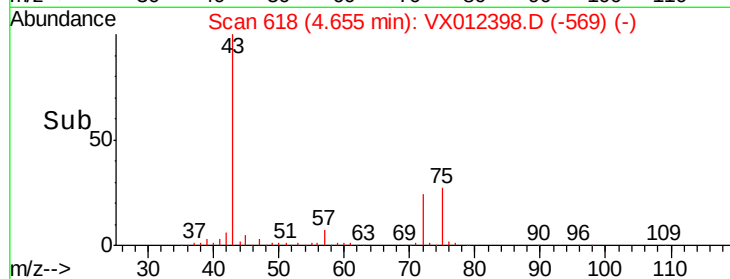
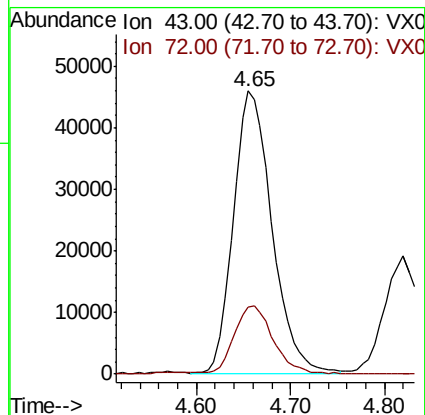
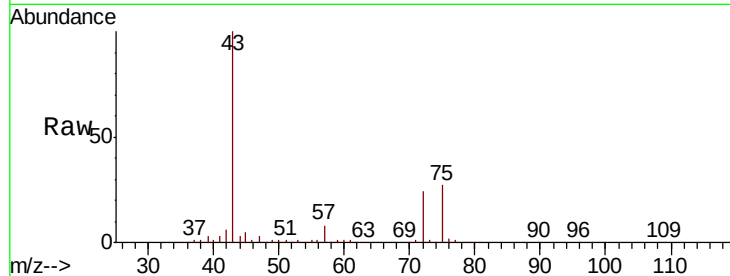
VSTDCCC050EC

Tgt Ion: 43 Resp: 130267

Ion Ratio Lower Upper

43 100

72 23.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 48.766 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012398.D

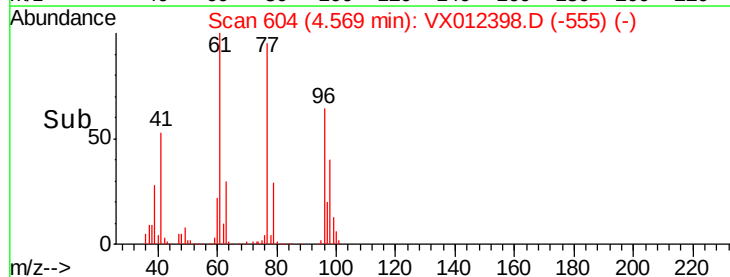
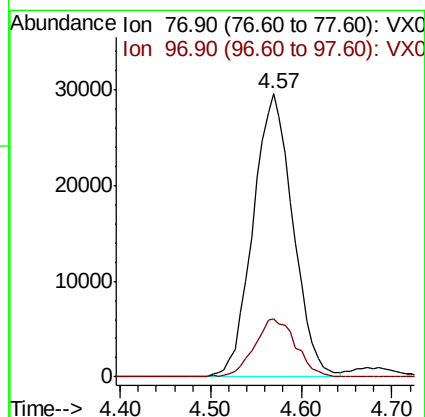
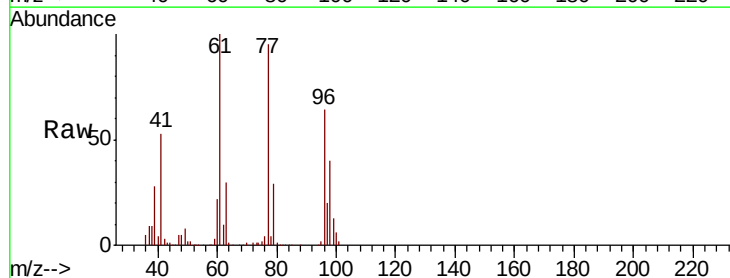
Acq: 13 Sep 2019 20:33

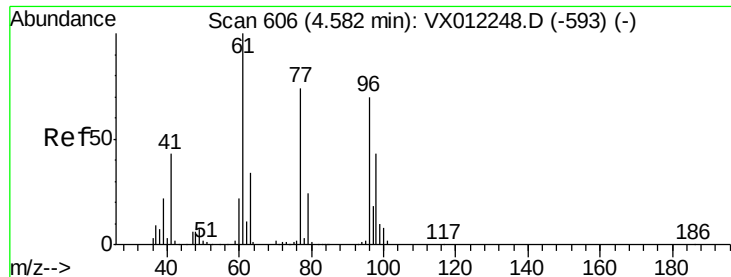
Tgt Ion: 77 Resp: 90129

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1



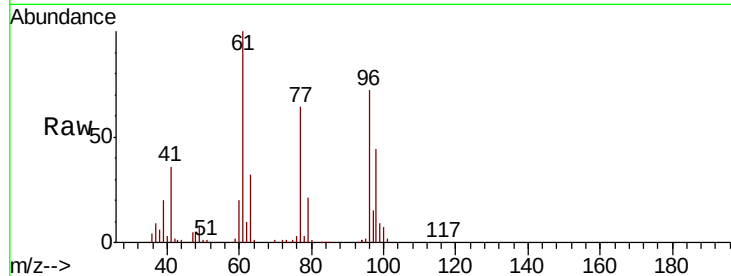


#27

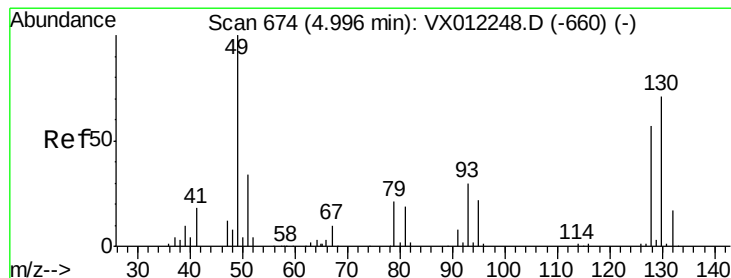
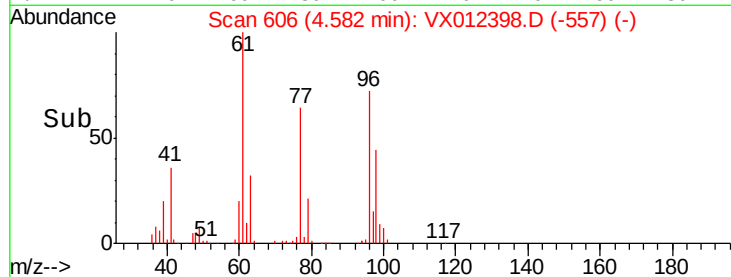
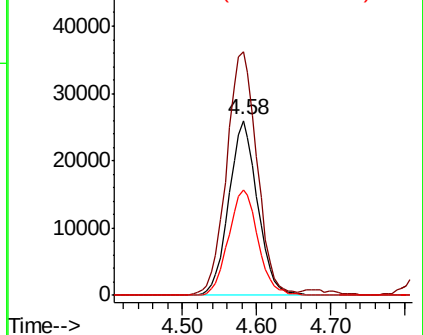
cis-1,2-Dichloroethene
 Concen: 57.739 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 70100
 Ion Ratio Lower Upper
 96 100
 61 147.7 0.0 310.4
 98 62.0 0.0 128.8



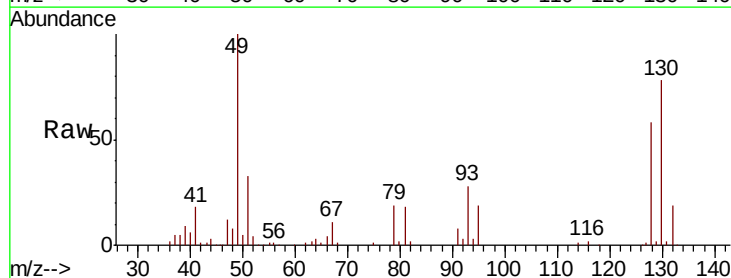
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



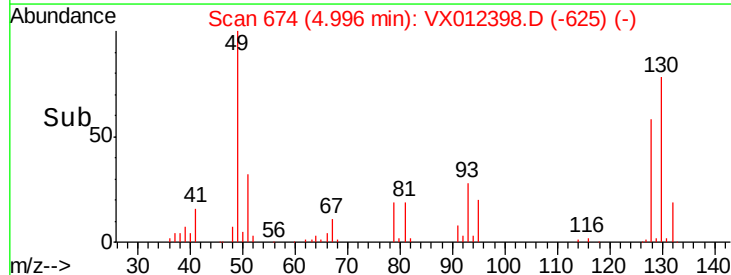
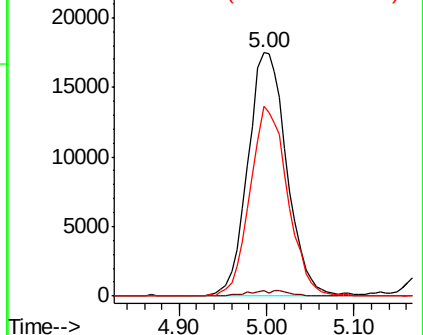
#28

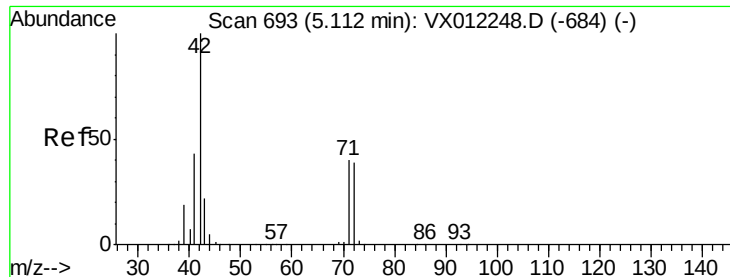
Bromochloromethane
 Concen: 58.616 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 49 Resp: 54118
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.2
 130 75.5 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: 322.820 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

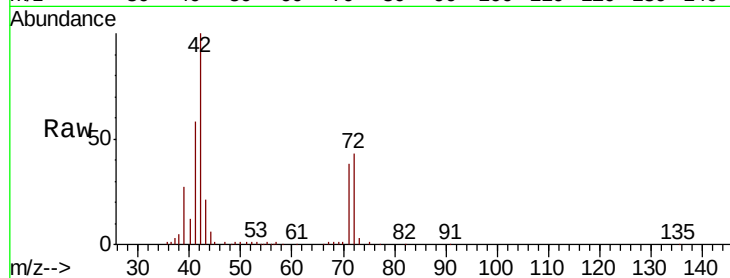
Tgt Ion: 42 Resp: 77625

Ion Ratio Lower Upper

42 100

72 44.1 35.2 52.8

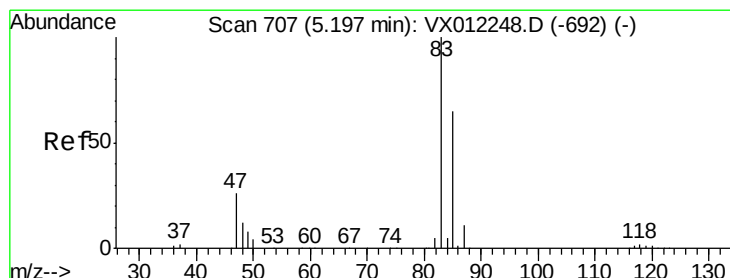
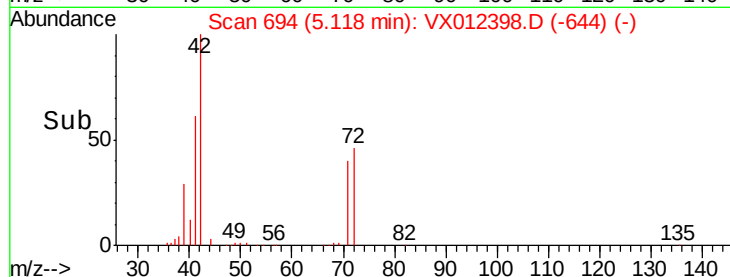
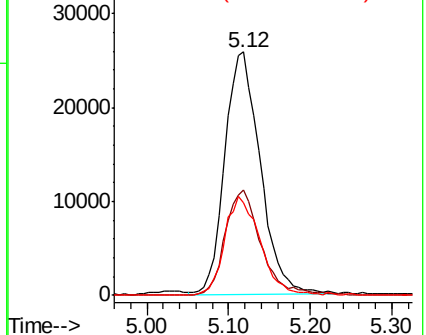
71 40.9 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 56.341 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX012398.D

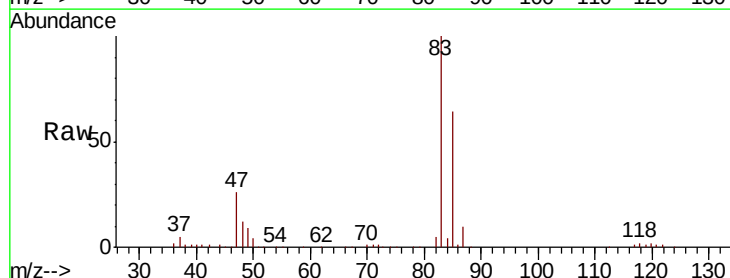
Acq: 13 Sep 2019 20:33

Tgt Ion: 83 Resp: 125069

Ion Ratio Lower Upper

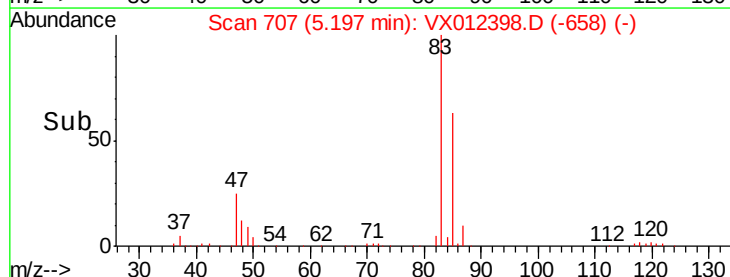
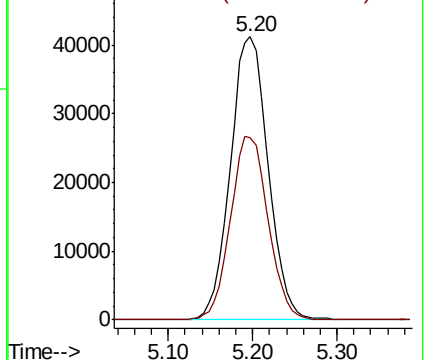
83 100

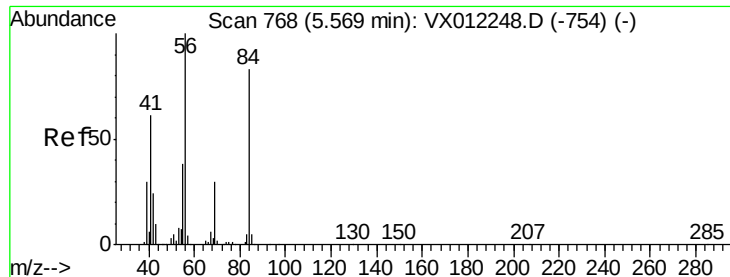
85 64.0 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

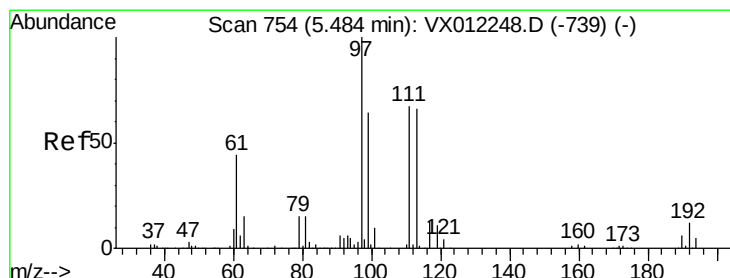
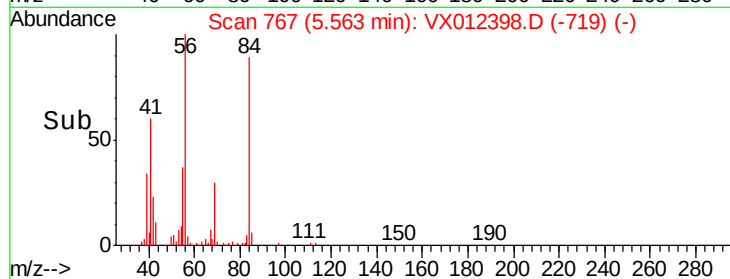
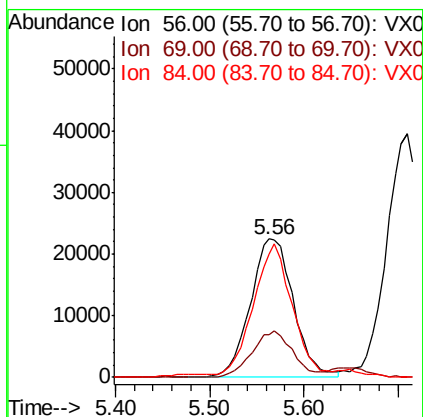
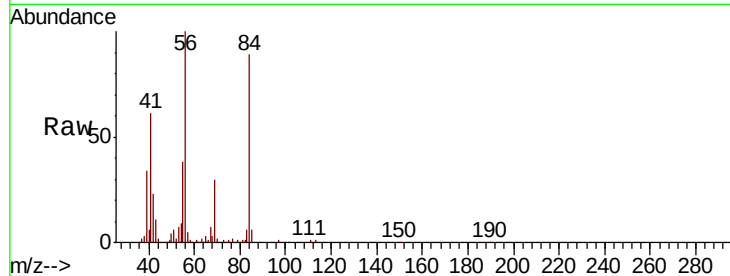




#31
Cyclohexane
Concen: 52.563 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

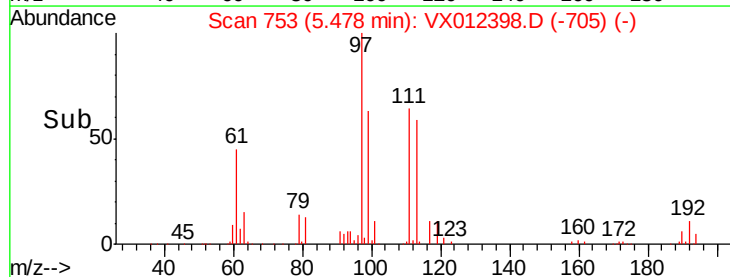
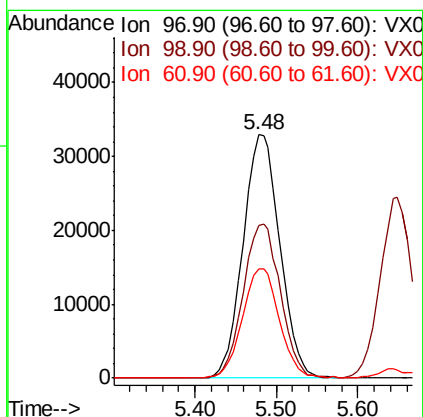
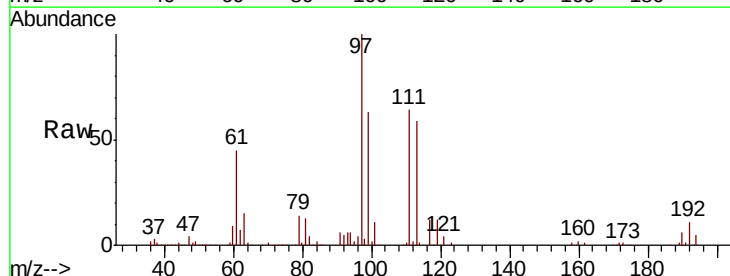
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

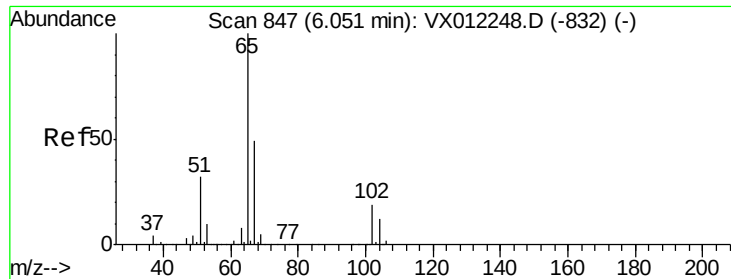
Tgt Ion: 56 Resp: 71878
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.6
84 86.6 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 54.318 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 97 Resp: 103536
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 45.3 35.4 53.0

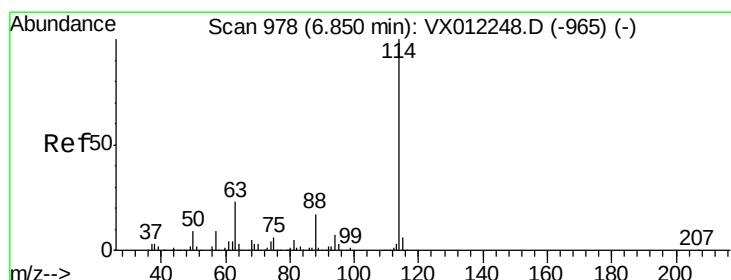
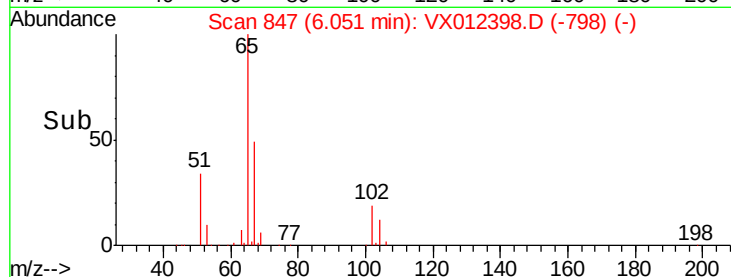
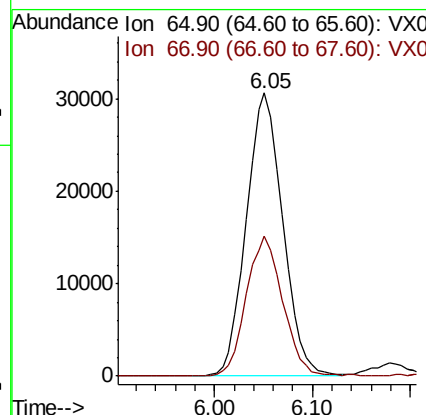
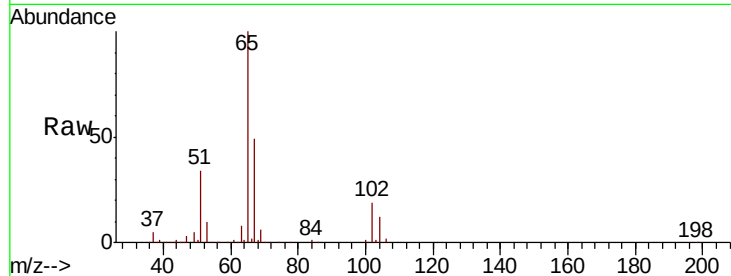




#33
 1,2-Dichloroethane-d4
 Concen: 53.871 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

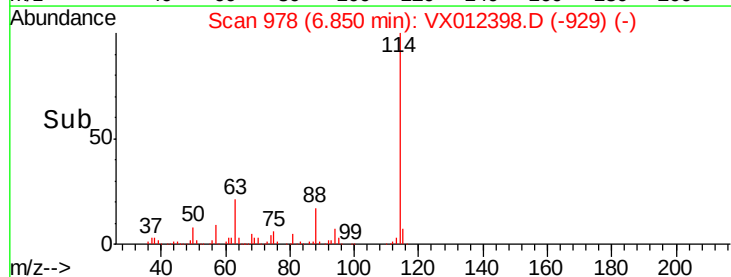
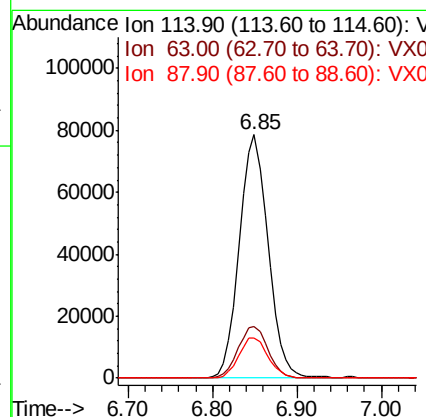
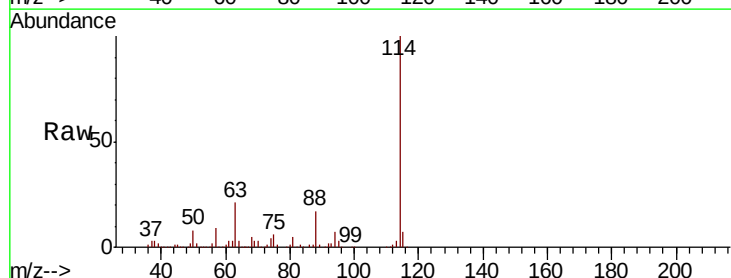
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

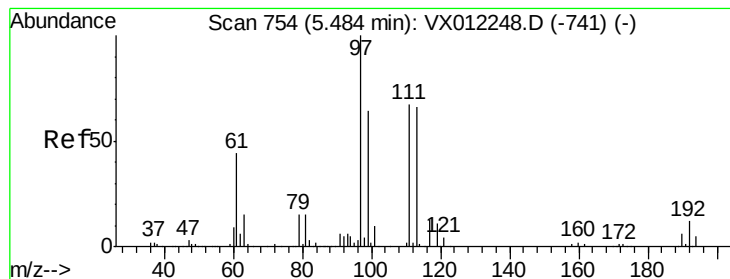
Tgt Ion: 65 Resp: 79335
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 114 Resp: 181481
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.2
 88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 54.373 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

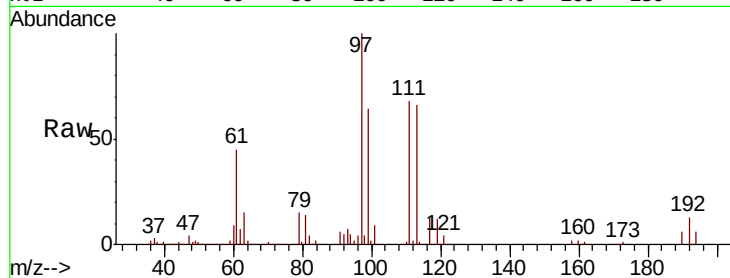
Tgt Ion:113 Resp: 63256

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

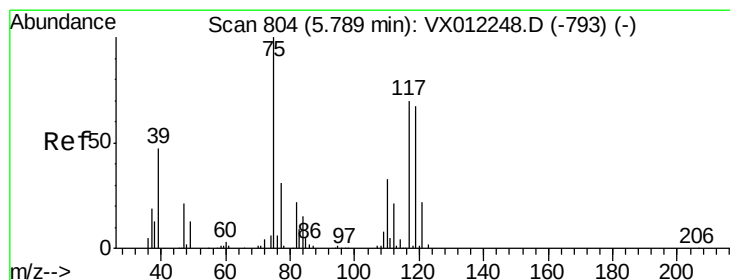
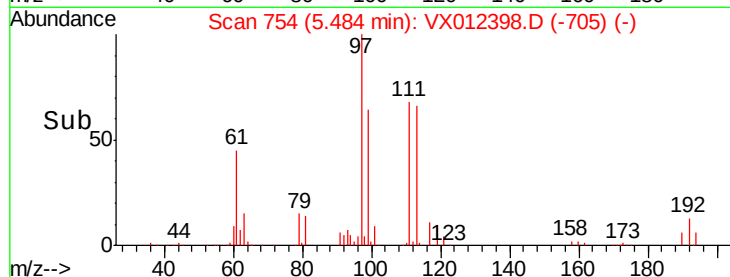
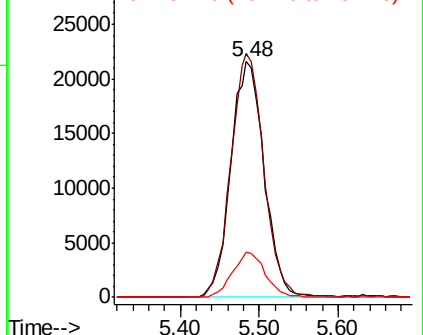
192 18.8 14.3 21.5



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: 53.830 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

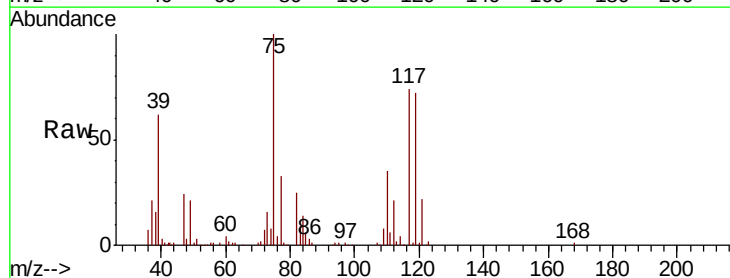
Tgt Ion: 75 Resp: 71233

Ion Ratio Lower Upper

75 100

110 36.1 16.8 50.4

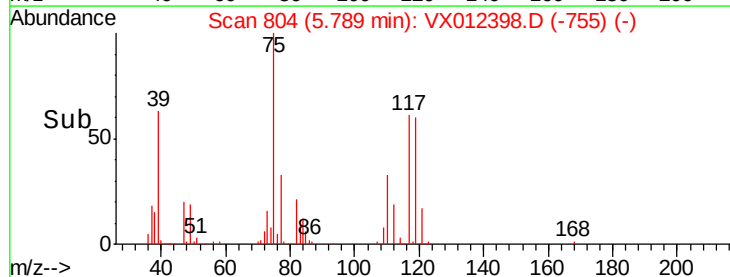
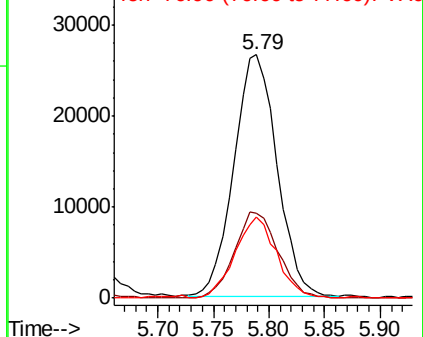
77 31.8 24.5 36.7

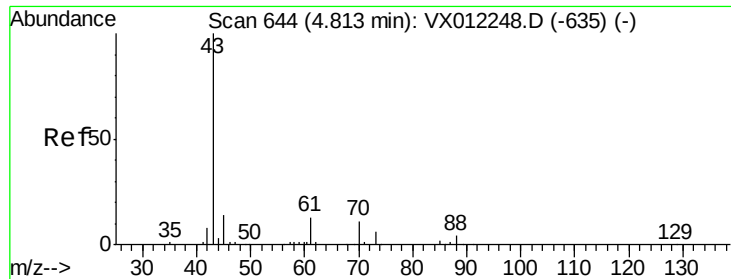


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

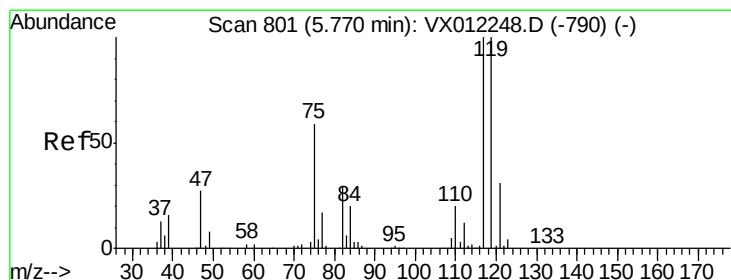
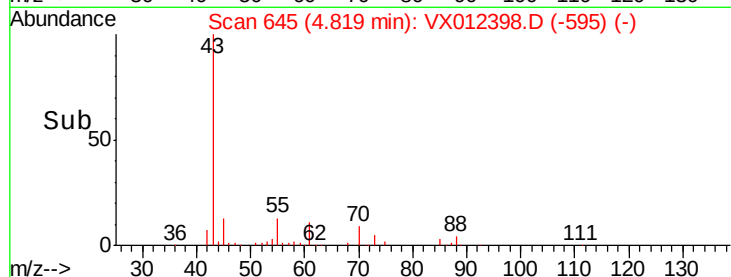
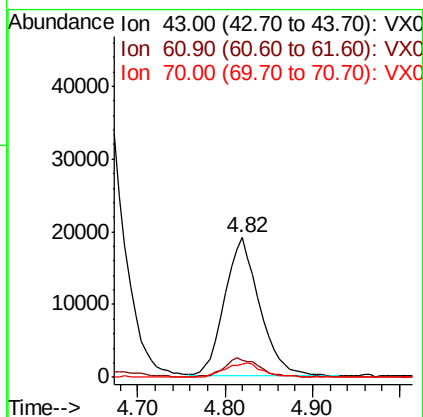
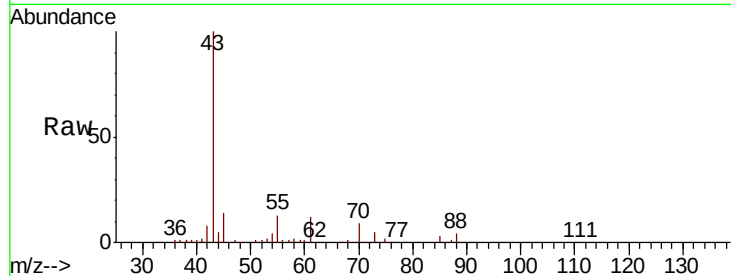




#37
Ethyl Acetate
Concen: 64.380 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

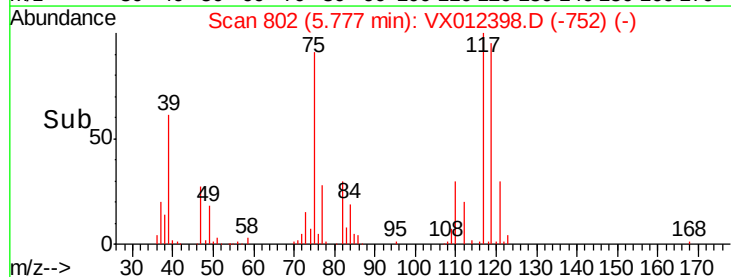
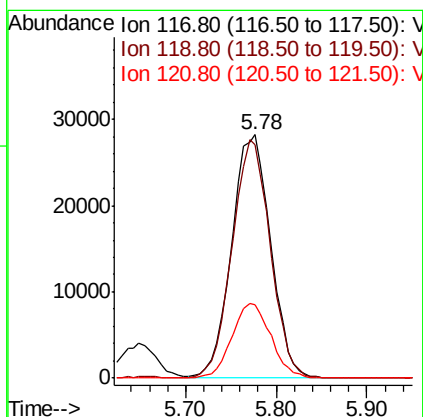
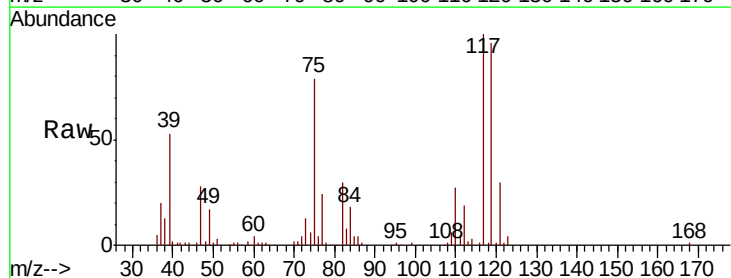
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

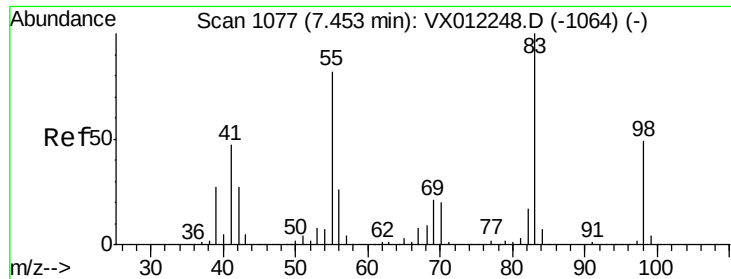
Tgt Ion: 43 Resp: 52664
Ion Ratio Lower Upper
43 100
61 13.3 10.3 15.5
70 11.6 9.1 13.7



#38
Carbon Tetrachloride
Concen: 54.321 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 117 Resp: 84337
Ion Ratio Lower Upper
117 100
119 95.7 79.6 119.4
121 30.4 24.7 37.1

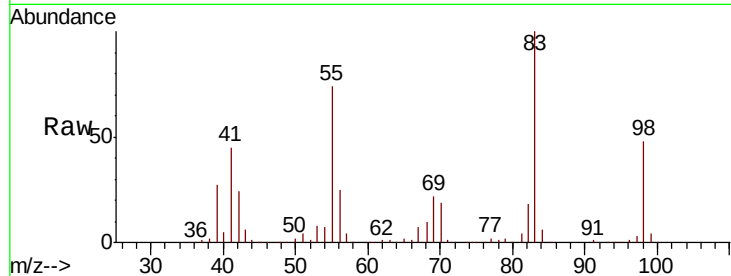




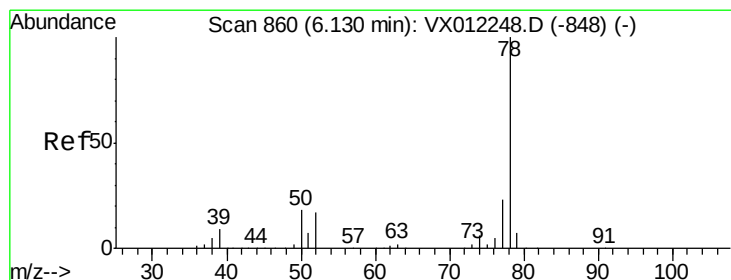
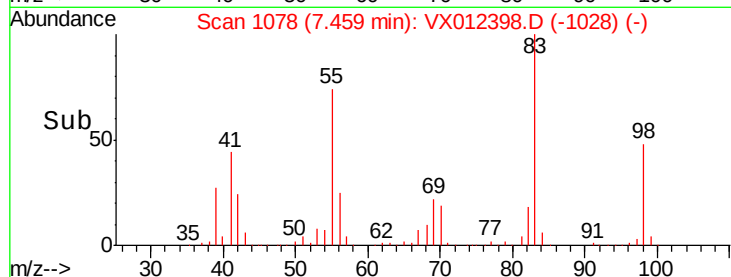
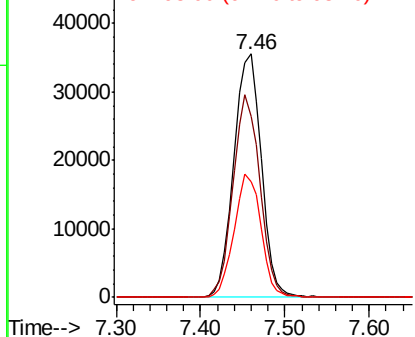
#39
Methylcyclohexane
Concen: 53.974 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 78382
Ion Ratio Lower Upper
83 100
55 74.2 65.4 98.2
98 47.5 39.6 59.4

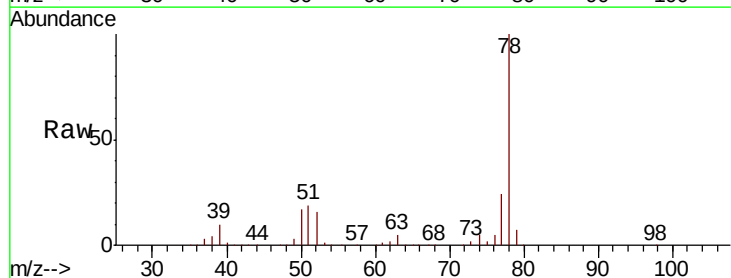


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

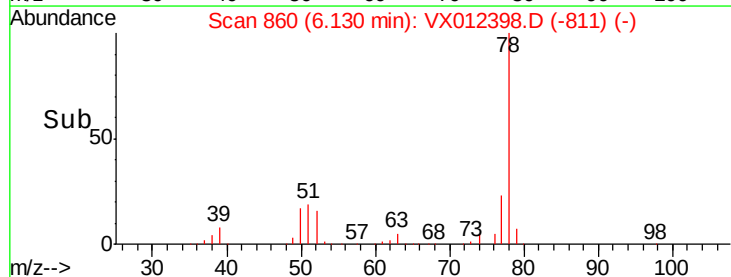
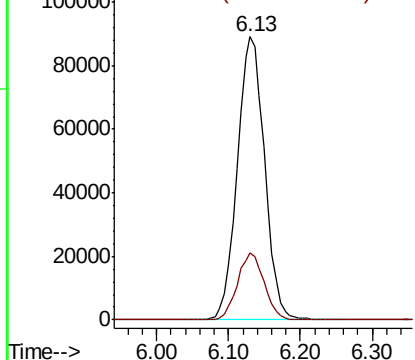


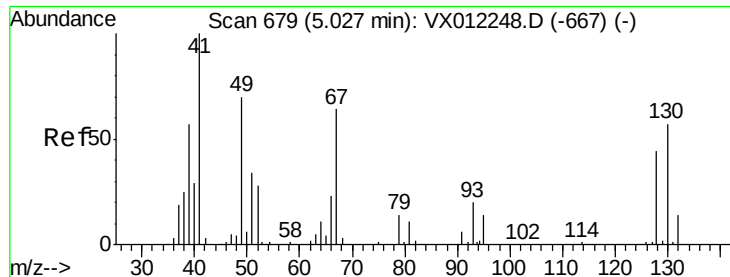
#40
Benzene
Concen: 58.371 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 78 Resp: 233780
Ion Ratio Lower Upper
78 100
77 23.7 18.0 27.0



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

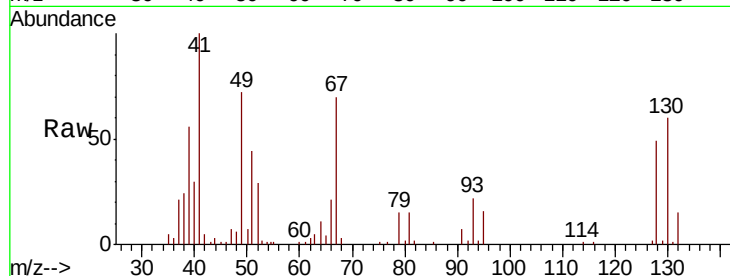




#41
Methacrylonitrile
Concen: 64.958 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	32758
Ion	Ratio	Lower	Upper
41	100		
39	55.7	49.0	73.4
67	68.4	55.0	82.4
52	29.3	25.4	38.0



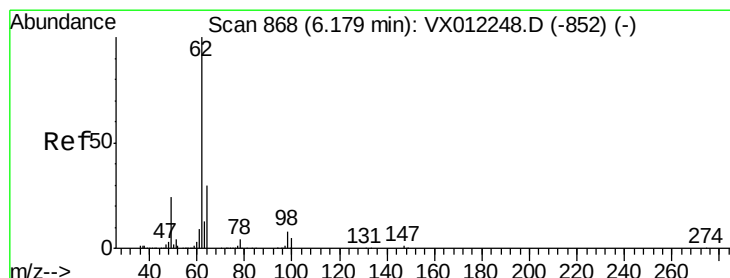
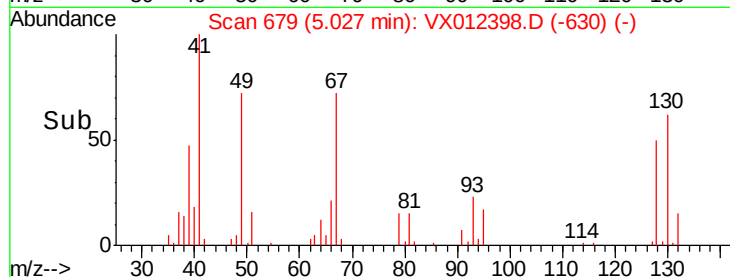
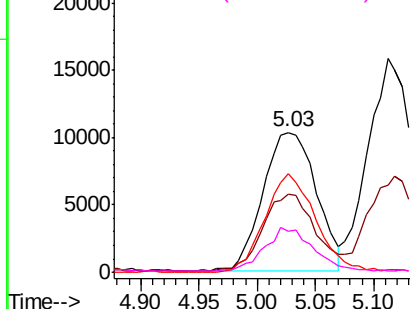
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

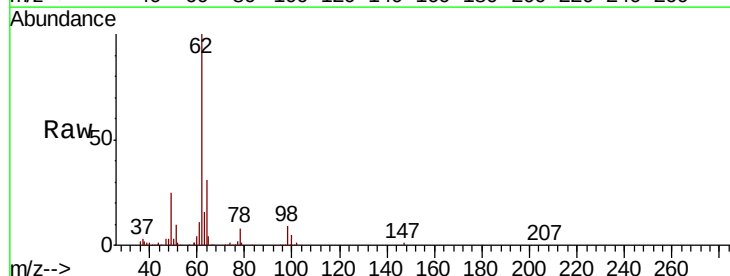
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 58.126 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

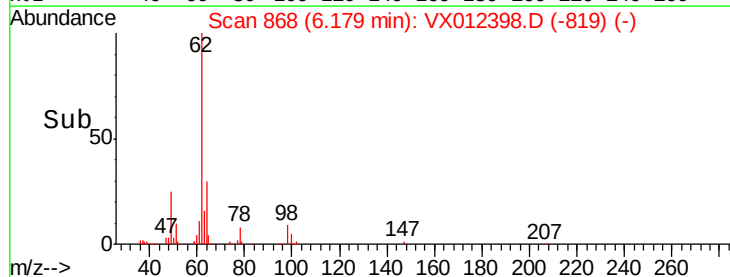
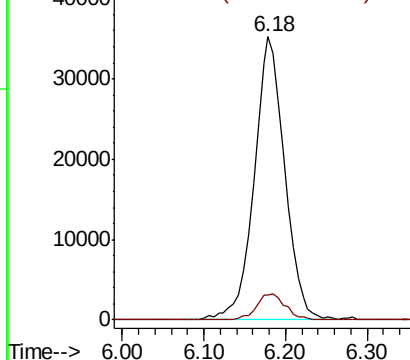
Tgt Ion:	62	Resp:	92010
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2

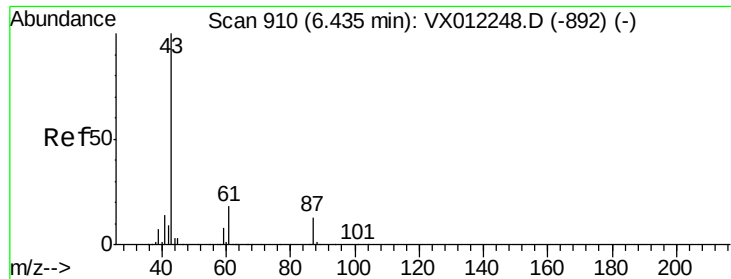


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



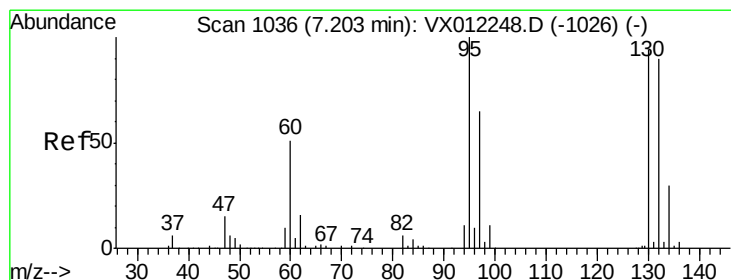
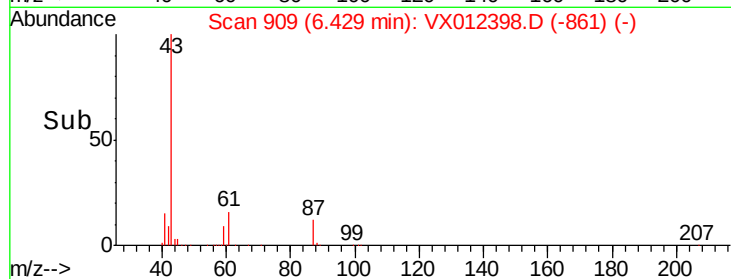
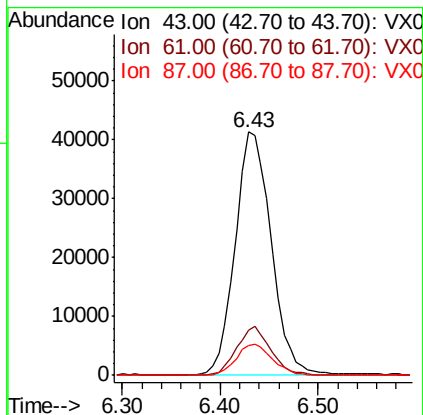
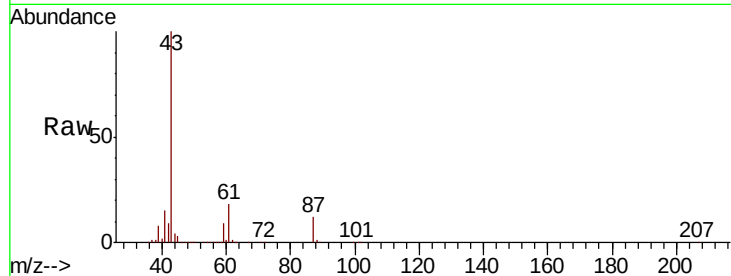


#43

Isopropyl Acetate
 Concen: 60.810 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

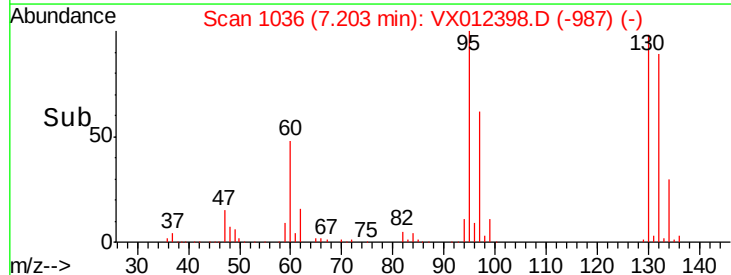
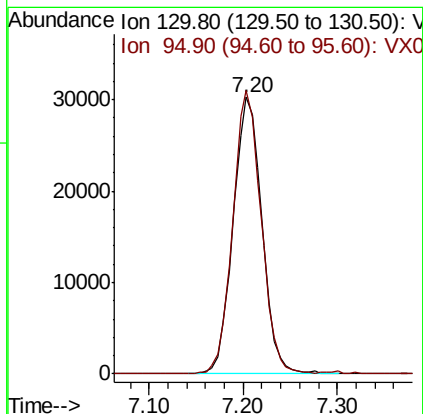
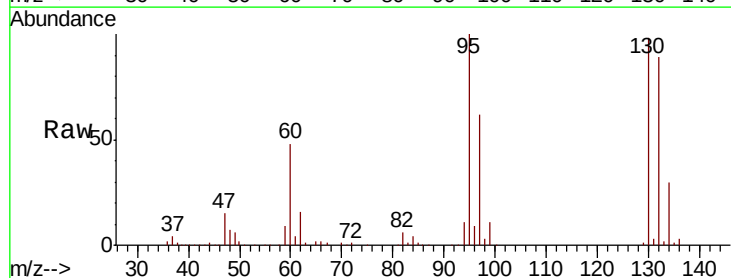
Tgt Ion: 43 Resp: 104874
 Ion Ratio Lower Upper
 43 100
 61 19.0 15.4 23.2
 87 13.0 10.5 15.7

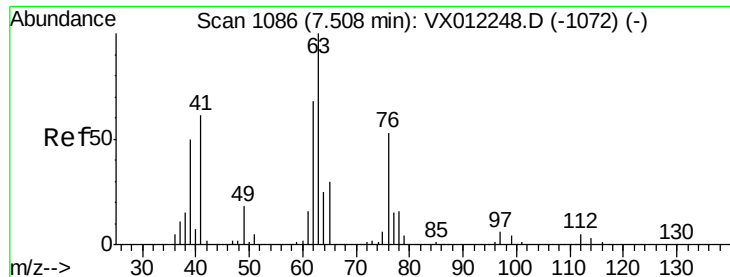


#44

Trichloroethene
 Concen: 59.278 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 130 Resp: 64251
 Ion Ratio Lower Upper
 130 100
 95 102.4 0.0 212.0

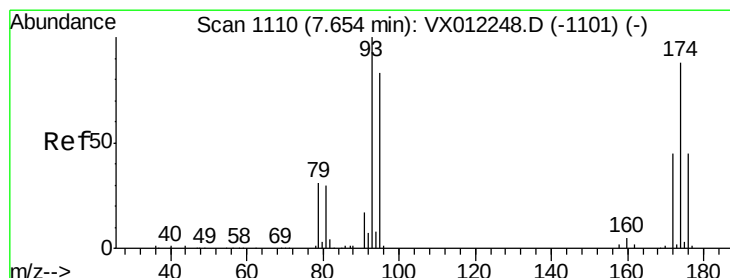
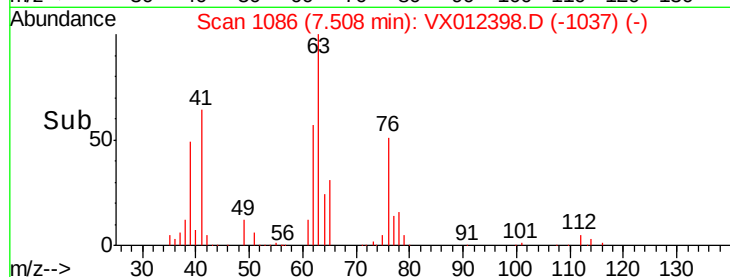
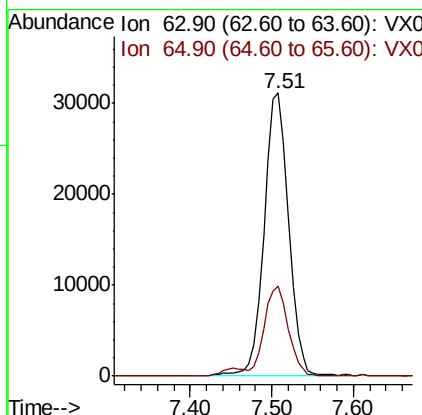
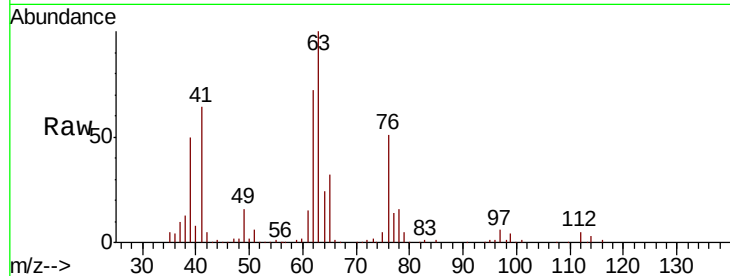




#45
 1,2-Dichloropropane
 Concen: 58.812 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

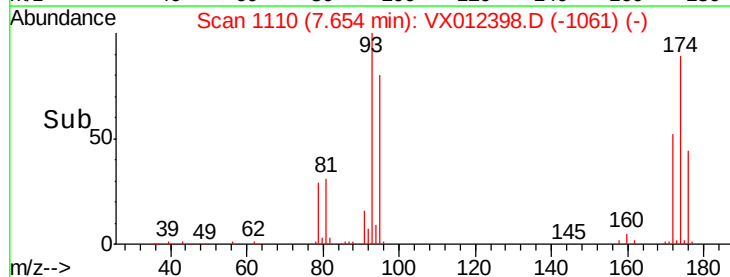
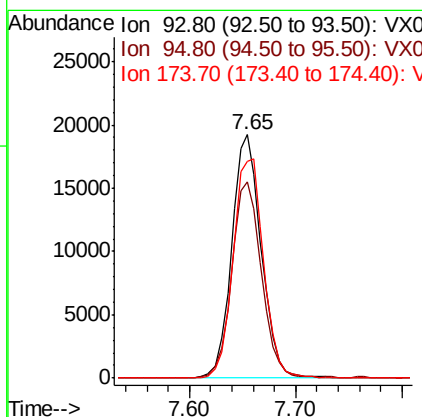
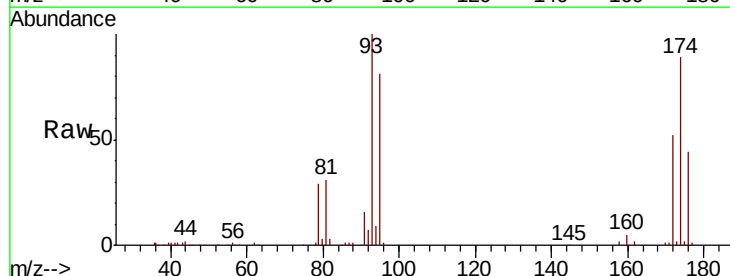
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

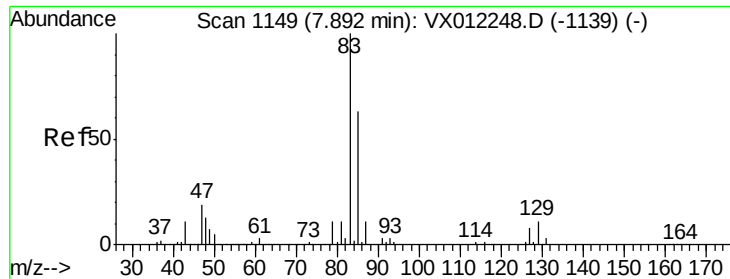
Tgt Ion: 63 Resp: 65199
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.3 36.5



#46
 Dibromomethane
 Concen: 61.510 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 93 Resp: 37268
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.7 98.5
 174 93.2 71.0 106.4





#47

Bromodichloromethane

Concen: 57.642 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

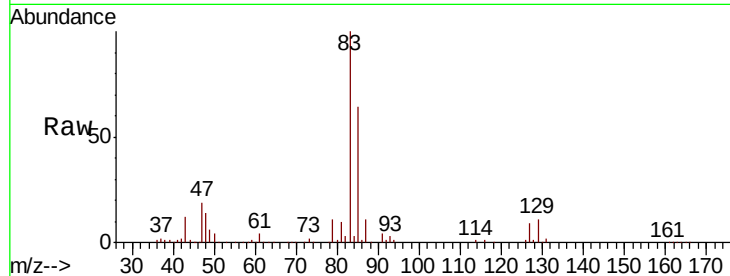
Tgt Ion: 83 Resp: 95308

Ion Ratio Lower Upper

83 100

85 64.5 50.2 75.4

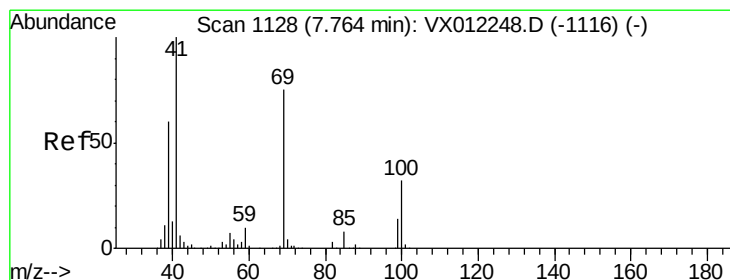
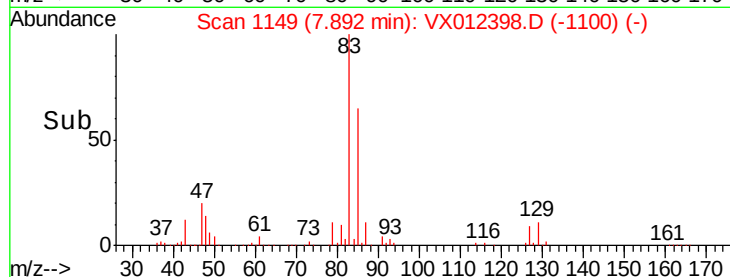
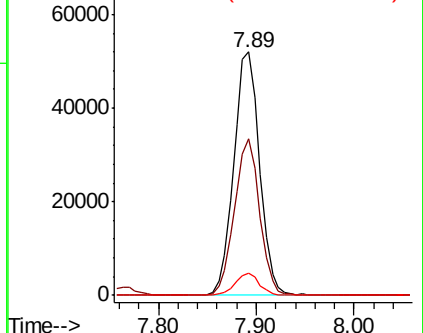
127 9.1 6.3 9.5



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: 61.103 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

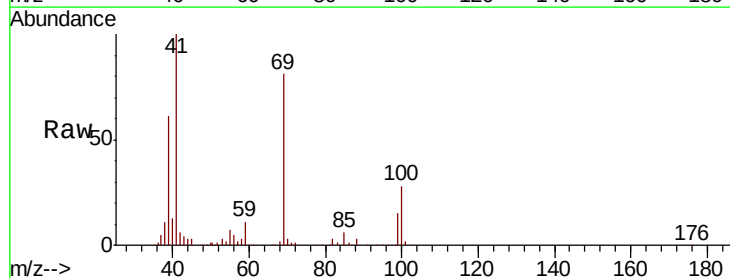
Tgt Ion: 41 Resp: 50441

Ion Ratio Lower Upper

41 100

69 78.7 61.8 92.6

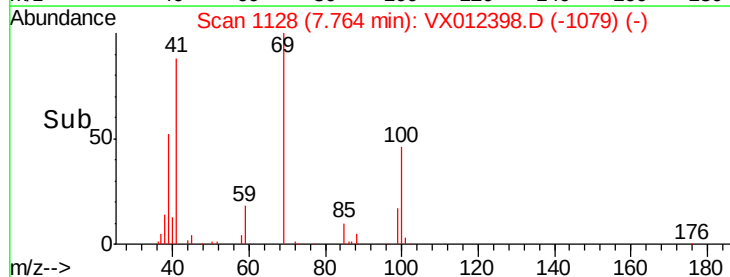
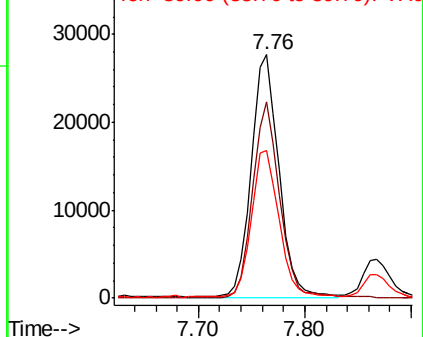
39 60.4 48.6 73.0

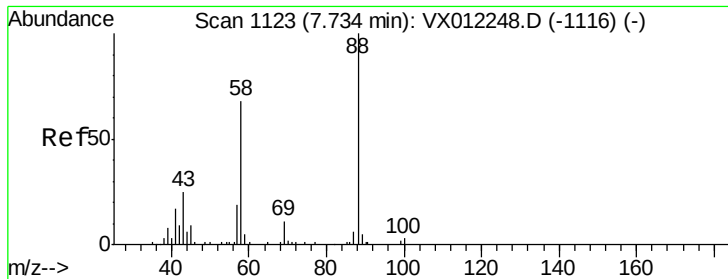


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1301.077 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

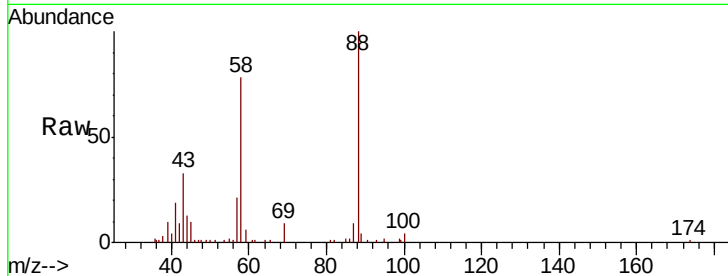
Tgt Ion: 88 Resp: 14493

Ion Ratio Lower Upper

88 100

43 43.5 31.0 46.4

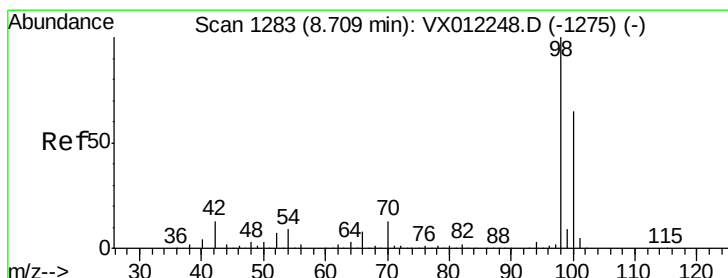
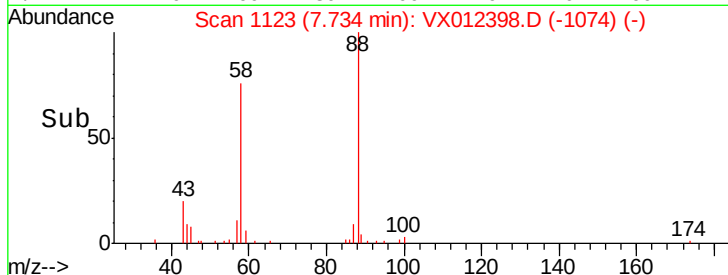
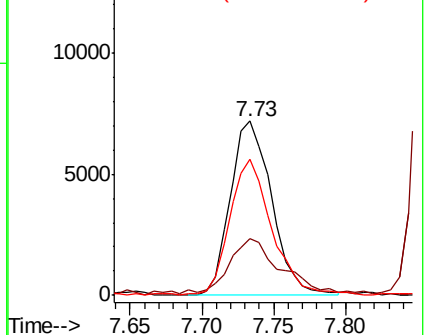
58 79.1 61.5 92.3



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: 57.959 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012398.D

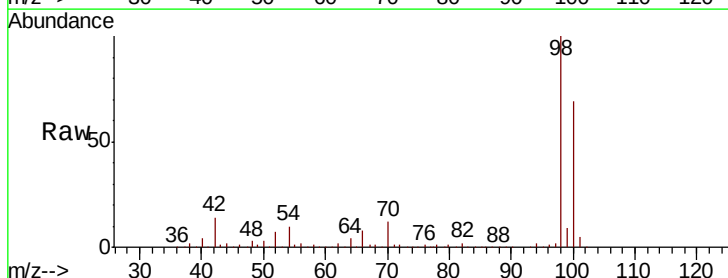
Acq: 13 Sep 2019 20:33

Tgt Ion: 98 Resp: 236494

Ion Ratio Lower Upper

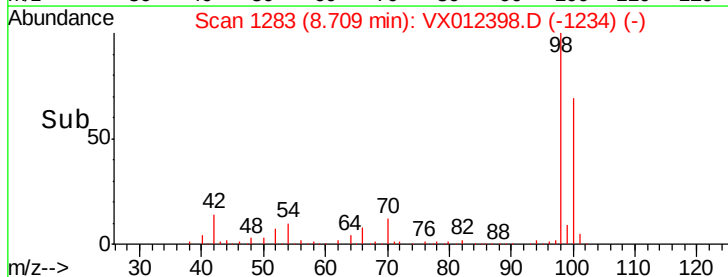
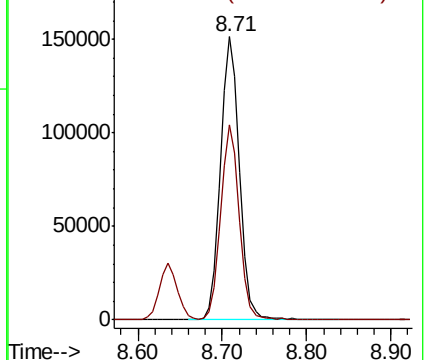
98 100

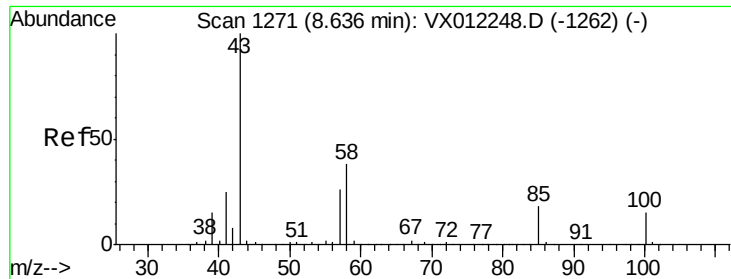
100 68.0 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 321.797 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

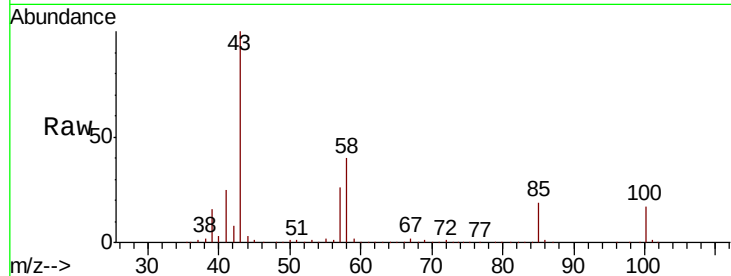
VSTDCCC050EC

Tgt Ion: 43 Resp: 292905

Ion Ratio Lower Upper

43 100

58 37.8 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

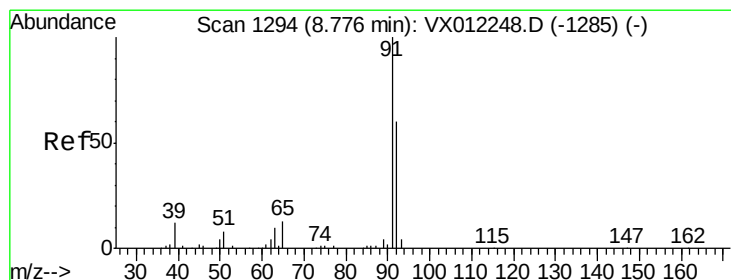
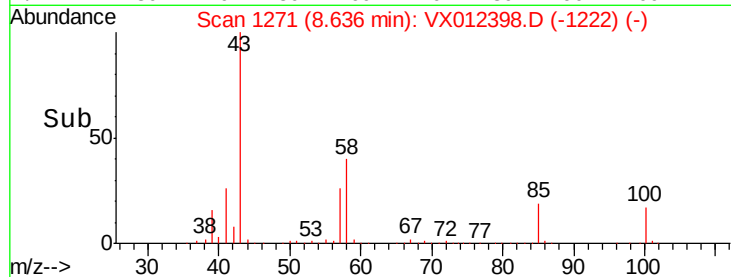
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 58.662 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012398.D

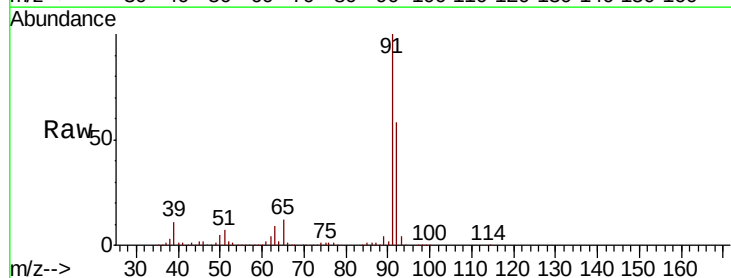
Acq: 13 Sep 2019 20:33

Tgt Ion: 92 Resp: 155185

Ion Ratio Lower Upper

92 100

91 169.8 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

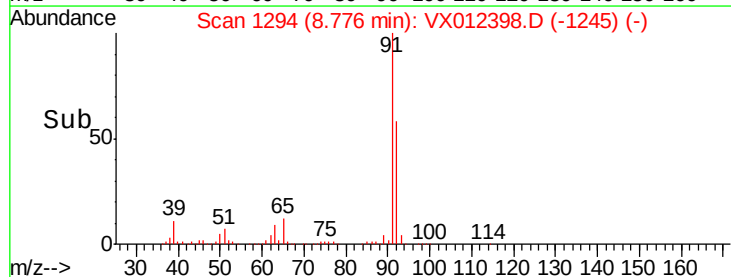
150000

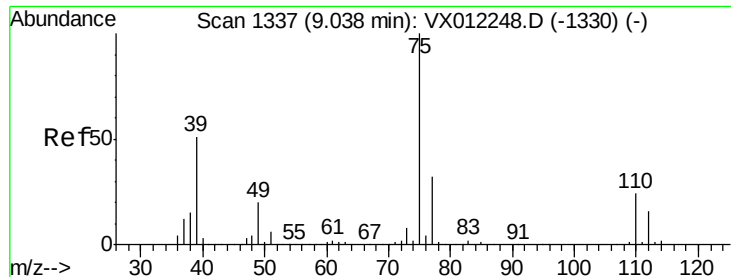
100000

50000

0

Time-->

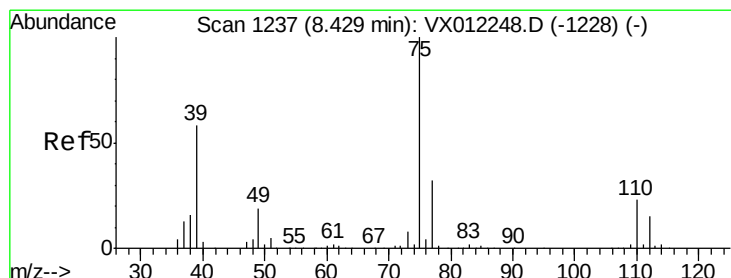
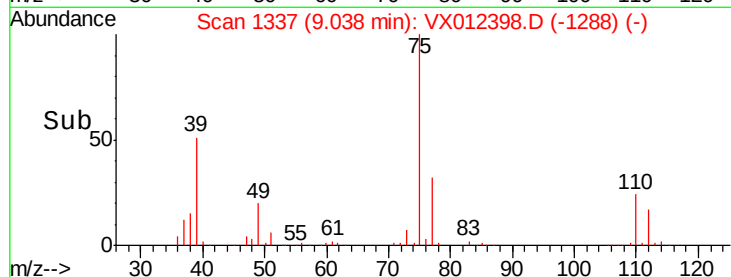
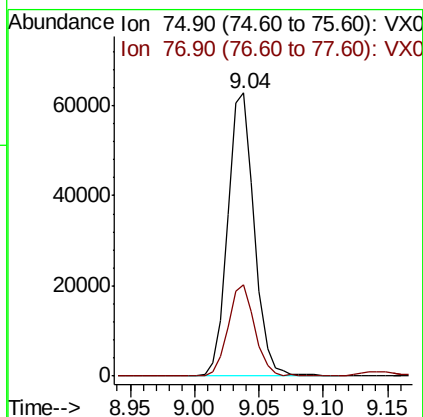
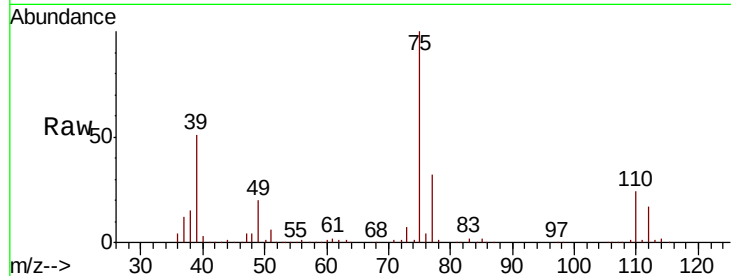




#53
 t-1,3-Dichloropropene
 Concen: 55.009 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

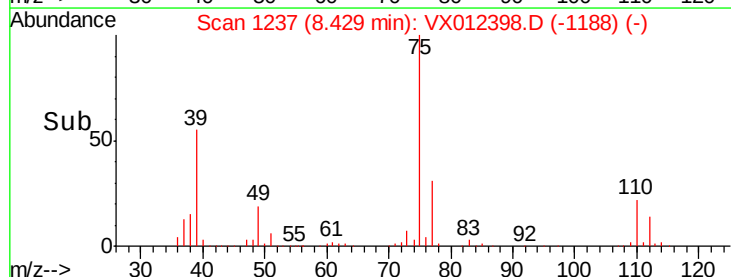
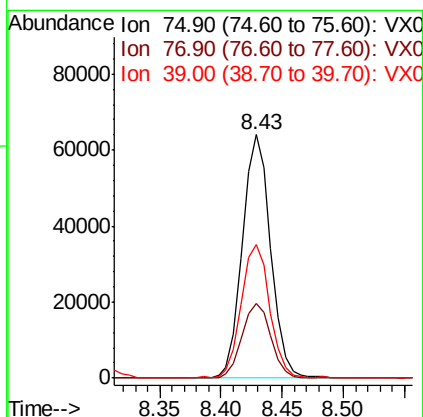
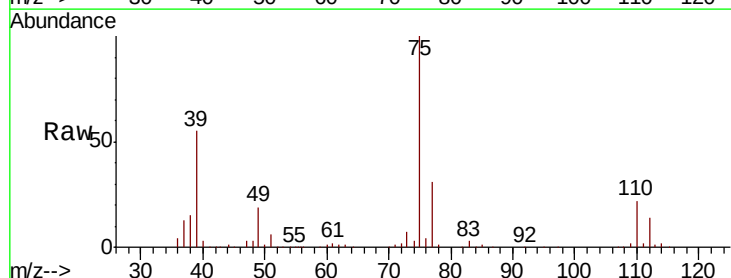
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

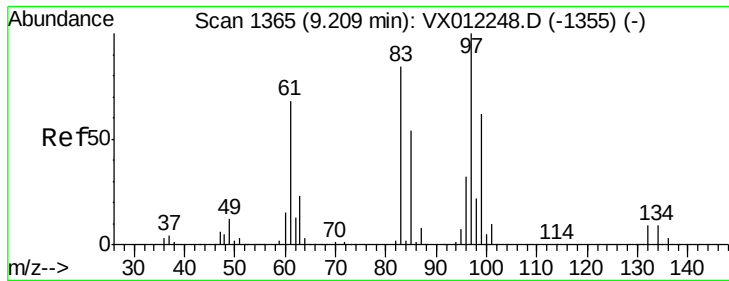
Tgt Ion: 75 Resp: 90782
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 55.886 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 75 Resp: 102271
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2
 39 54.5 46.5 69.7

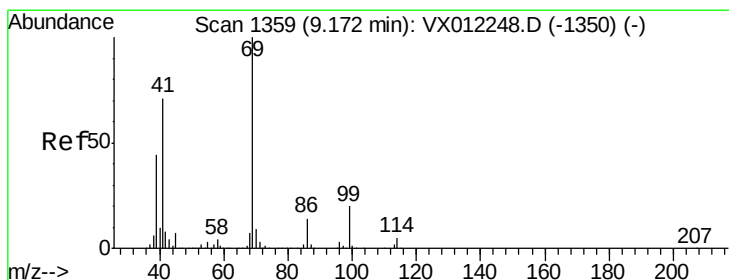
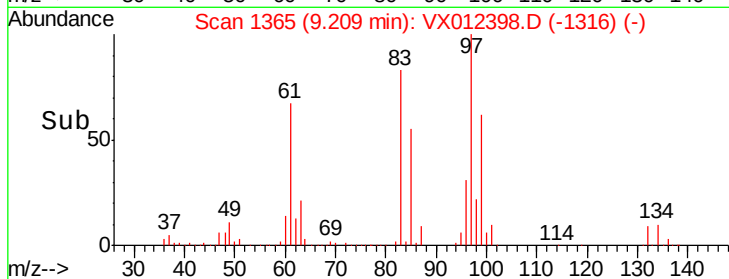
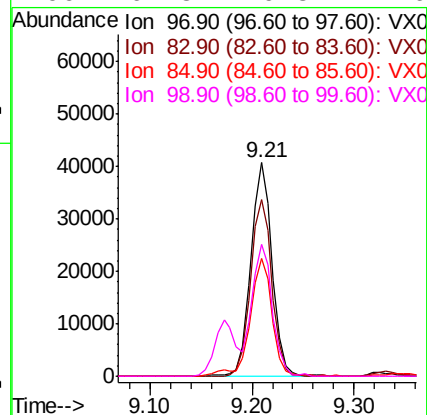
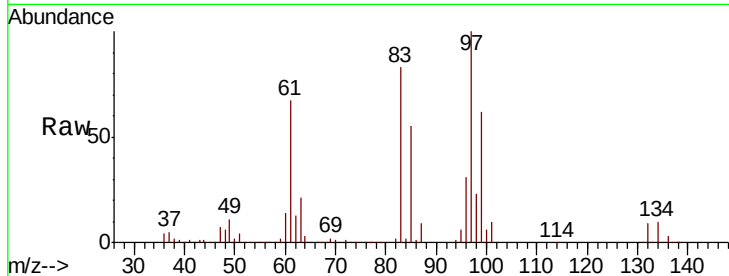




#55
 1,1,2-Trichloroethane
 Concen: 62.675 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

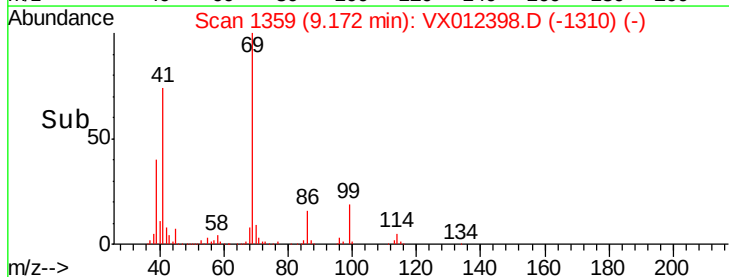
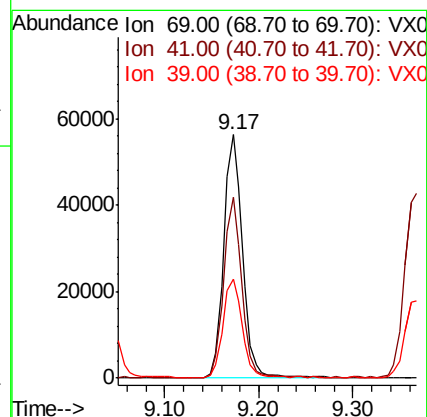
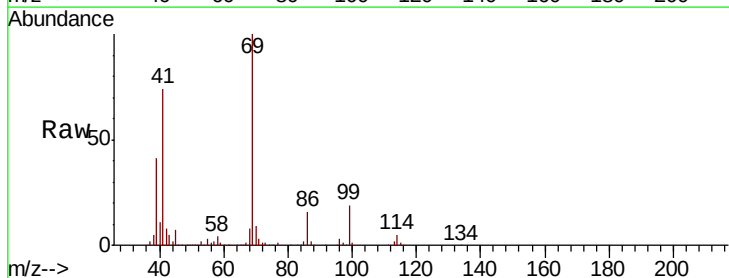
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

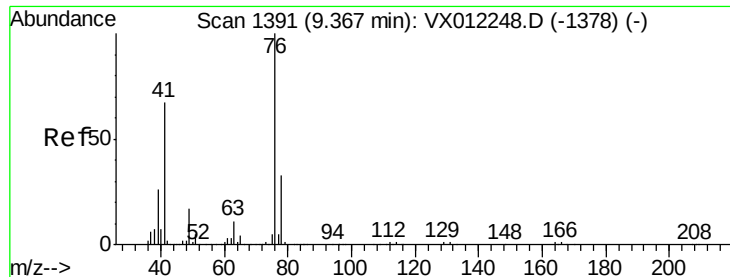
Tgt Ion:	97	Resp:	58832
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.4	101.2
85	55.1	43.4	65.2
99	61.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 61.204 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion:	69	Resp:	77787
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.7	86.5
39	41.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 59.712 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

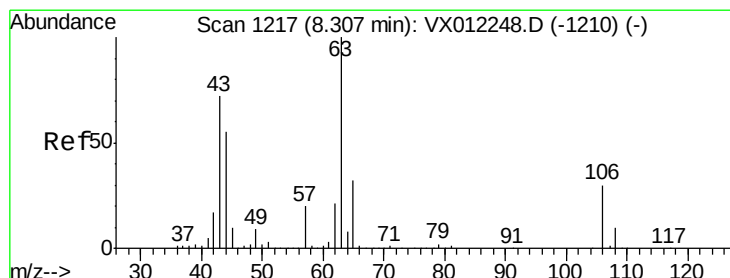
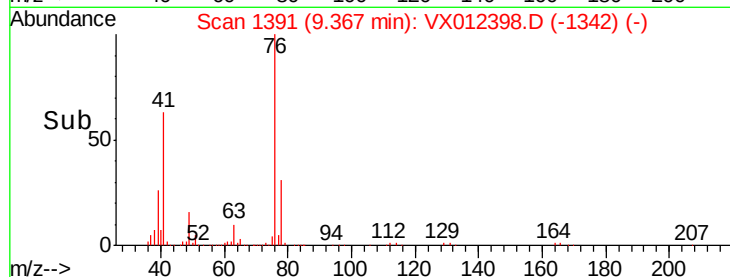
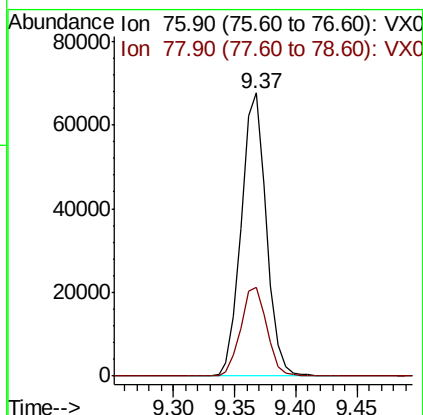
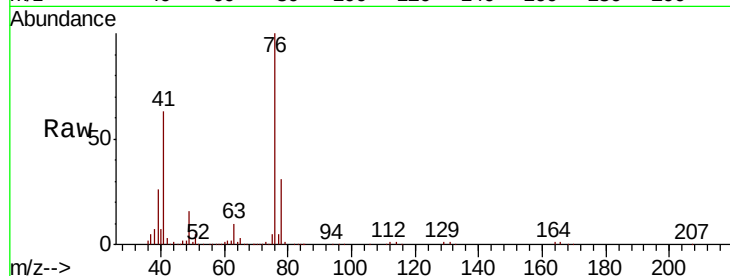
VSTDCCC050EC

Tgt Ion: 76 Resp: 95731

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 284.363 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012398.D

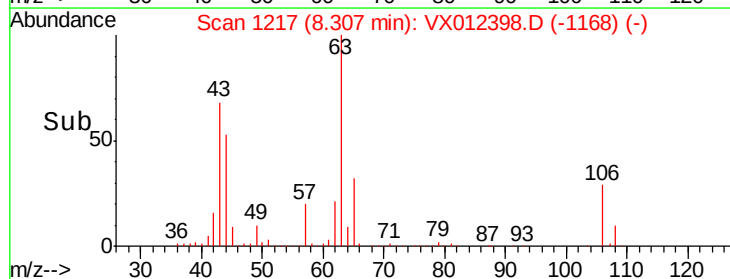
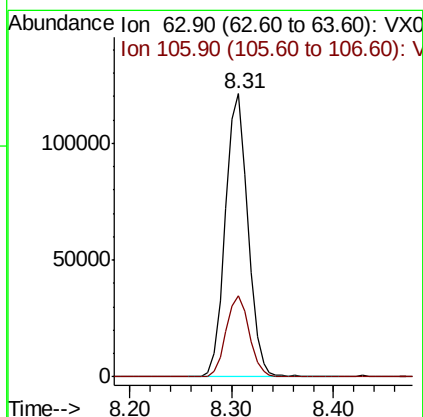
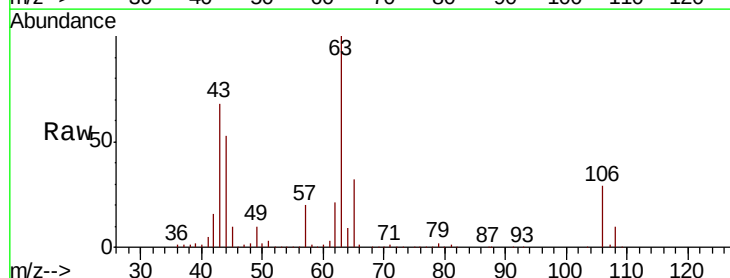
Acq: 13 Sep 2019 20:33

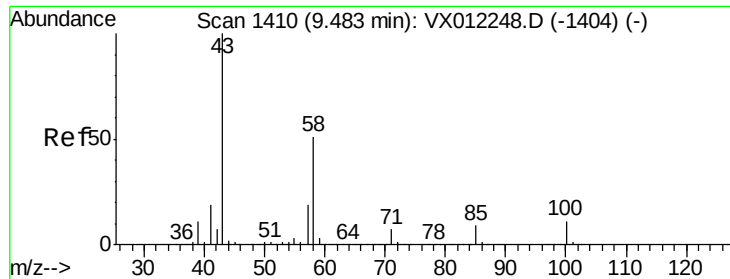
Tgt Ion: 63 Resp: 185233

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2

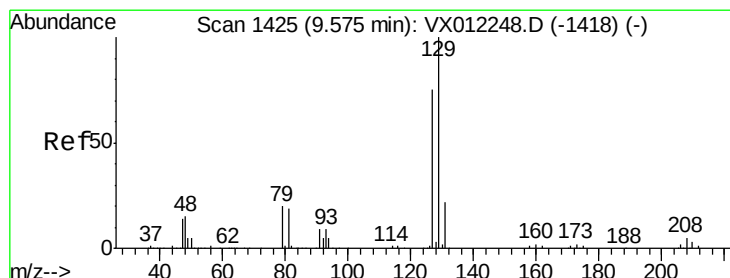
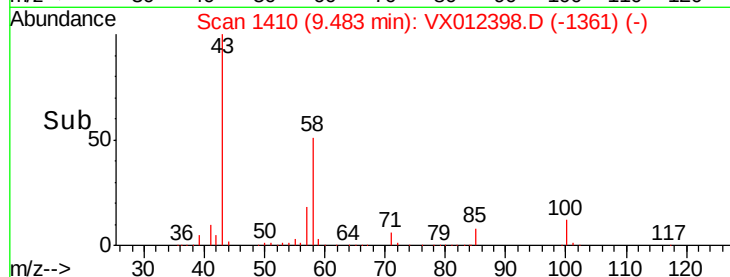
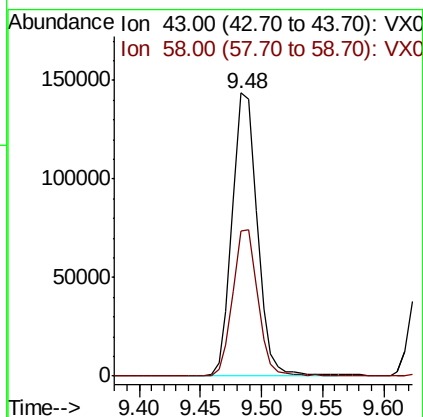
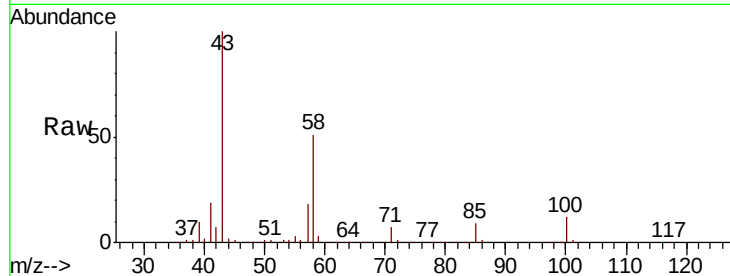




#59
2-Hexanone
Concen: 321.800 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

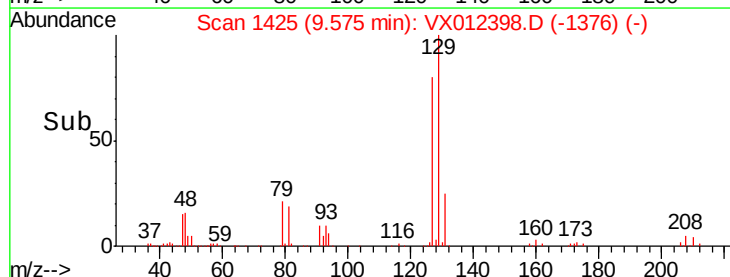
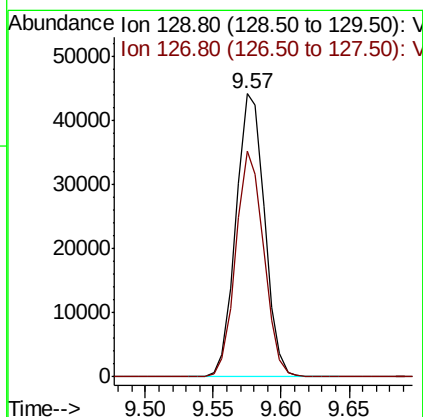
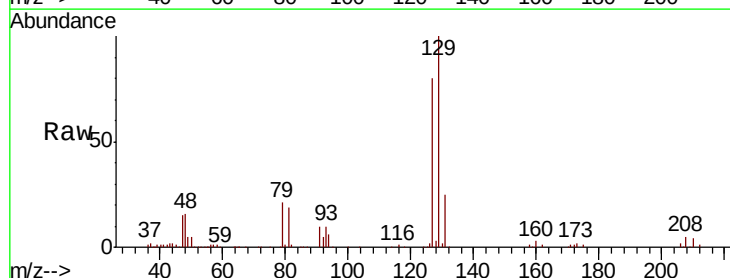
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

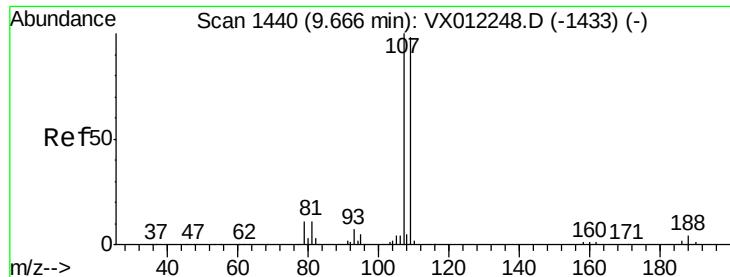
Tgt Ion: 43 Resp: 203661
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3



#60
Dibromochloromethane
Concen: 59.158 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 129 Resp: 64827
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 62.600 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

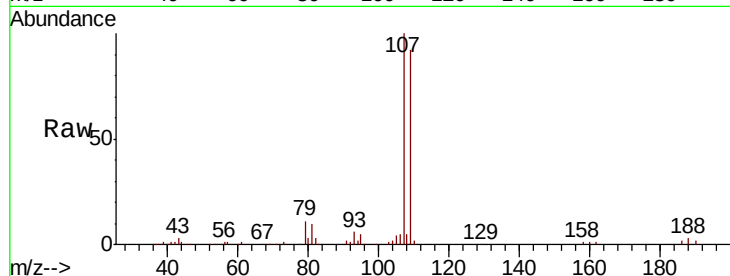
VSTDCCC050EC

Tgt Ion: 107 Resp: 54698

Ion Ratio Lower Upper

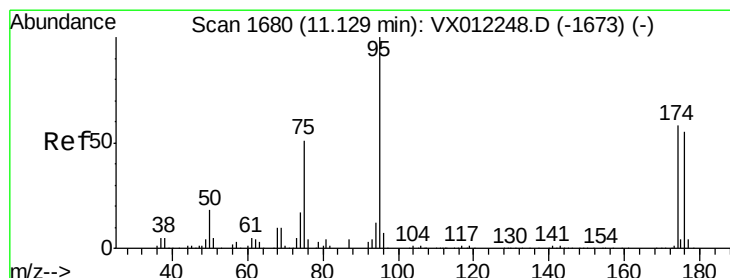
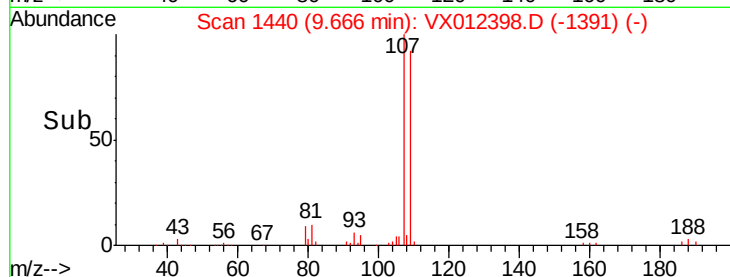
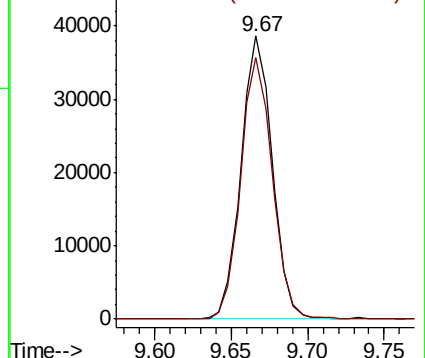
107 100

109 93.7 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: 52.343 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

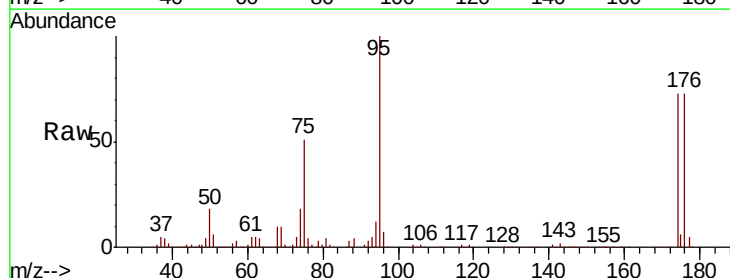
Tgt Ion: 95 Resp: 99015

Ion Ratio Lower Upper

95 100

174 70.6 0.0 127.0

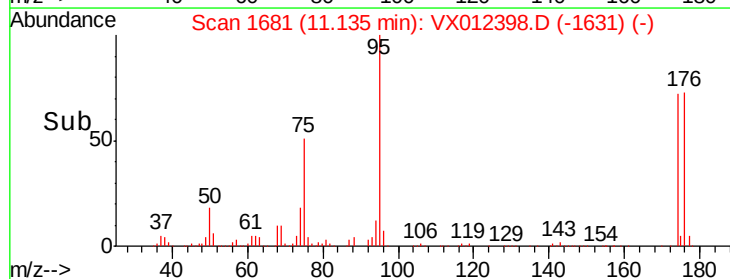
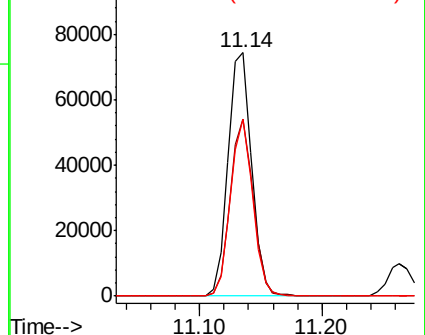
176 68.6 0.0 125.8

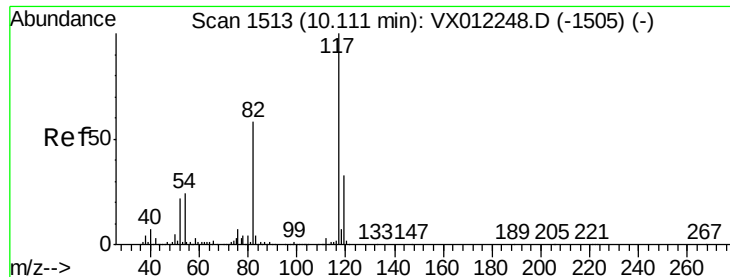


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

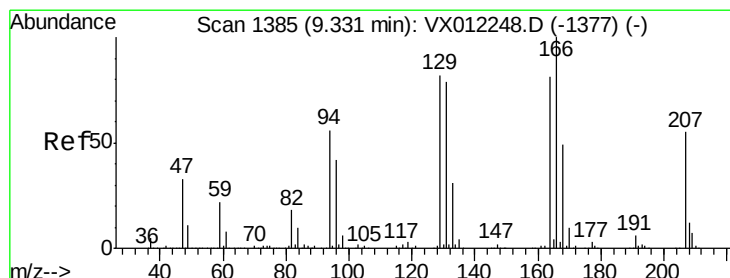
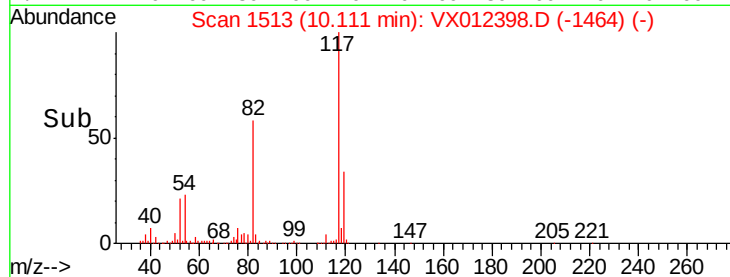
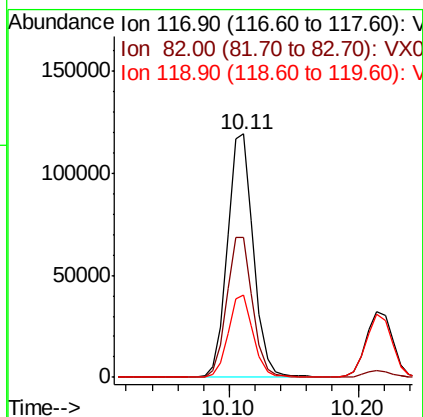
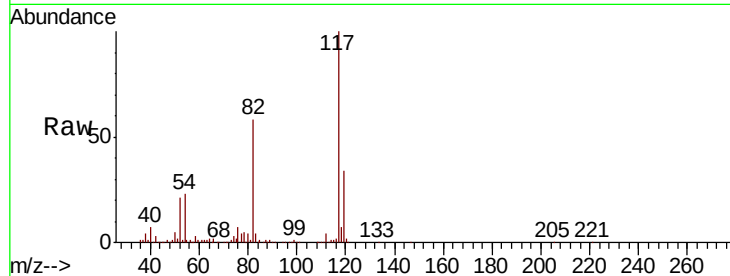




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

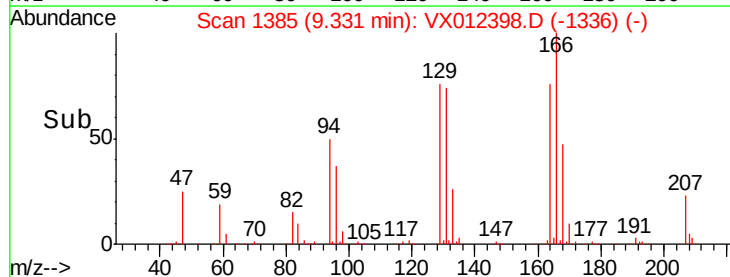
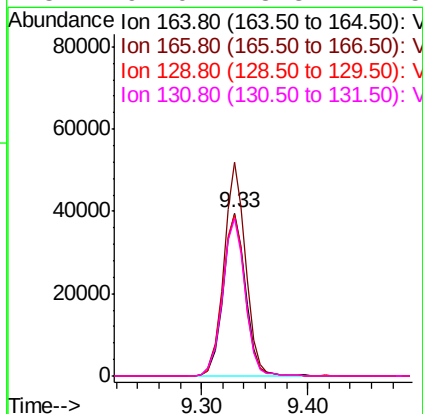
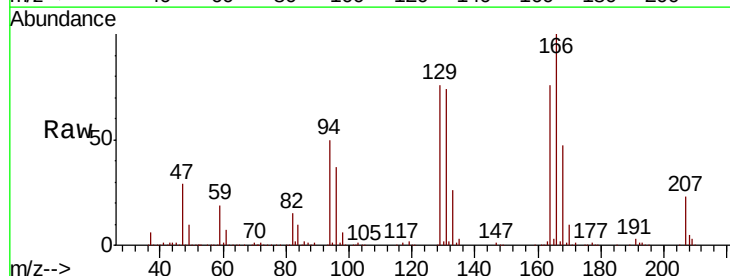
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

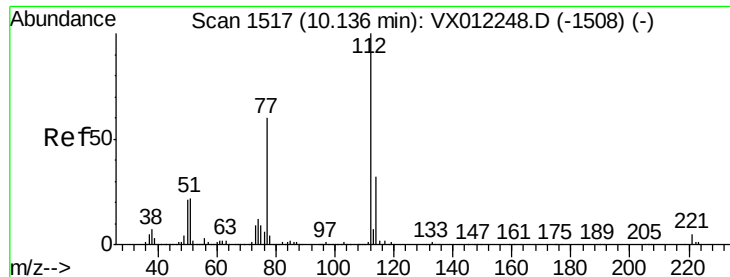
Tgt Ion:117 Resp: 168539
Ion Ratio Lower Upper
117 100
82 57.7 46.4 69.6
119 33.8 26.6 39.8



#64
Tetrachloroethene
Concen: 64.781 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion:164 Resp: 57742
Ion Ratio Lower Upper
164 100
166 131.4 99.4 149.0
129 99.4 81.8 122.8
131 97.0 78.3 117.5





#65

Chlorobenzene

Concen: 59.192 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

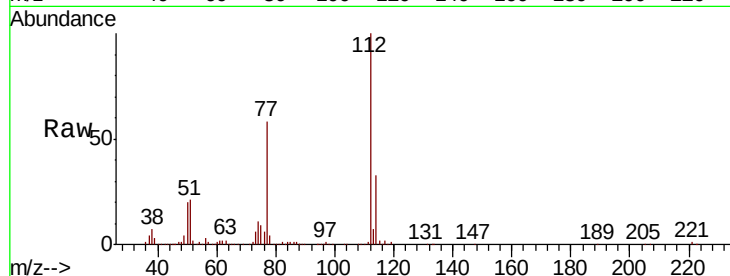
VSTDCCC050EC

Tgt Ion:112 Resp: 182283

Ion Ratio Lower Upper

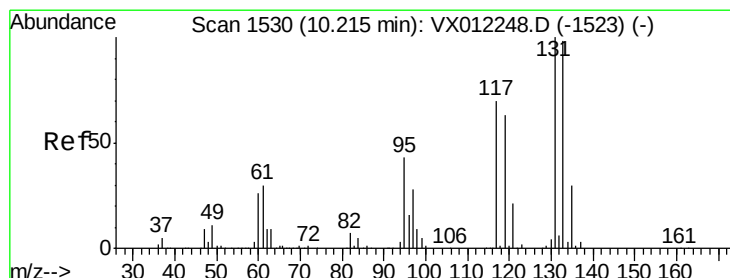
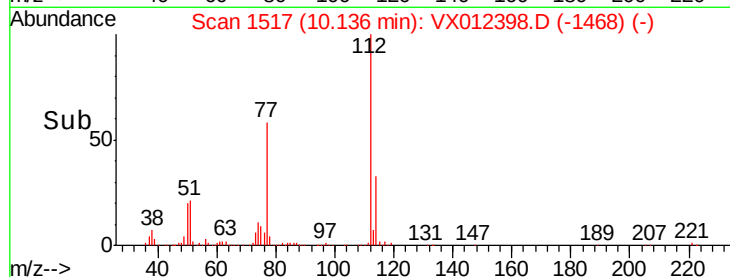
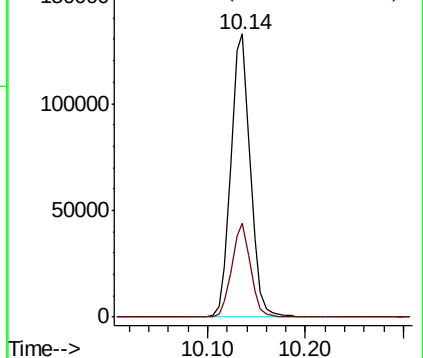
112 100

114 33.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.652 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

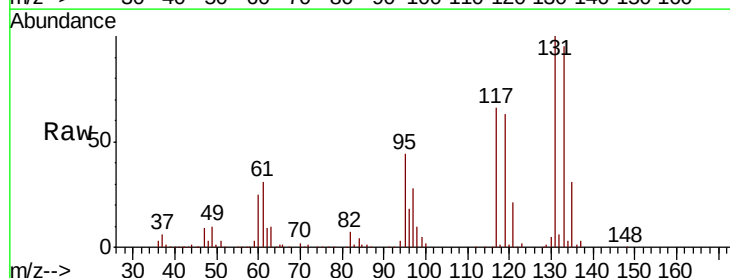
Tgt Ion:131 Resp: 69249

Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.2

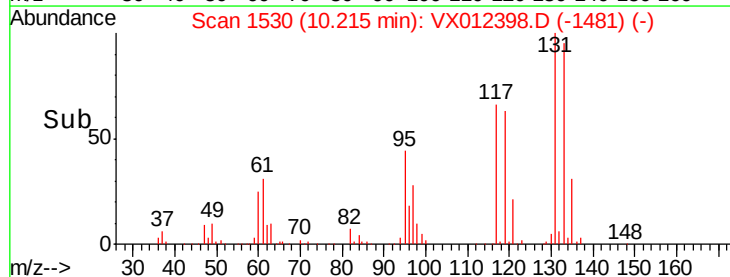
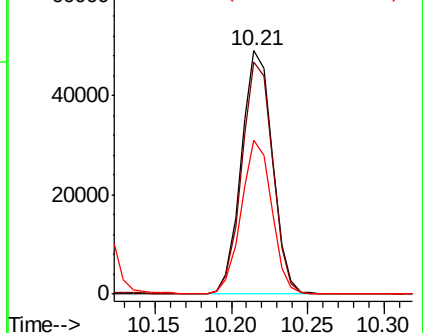
119 62.1 31.6 95.0

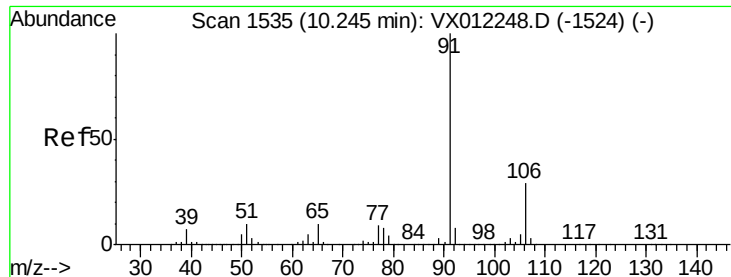


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

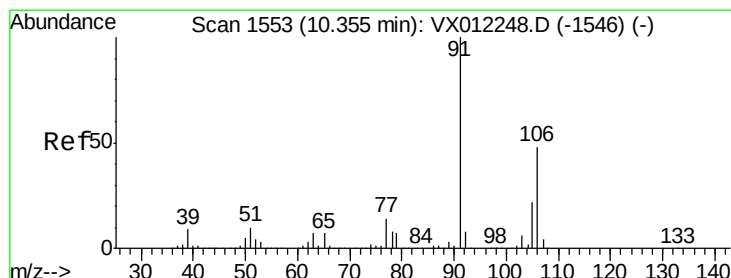
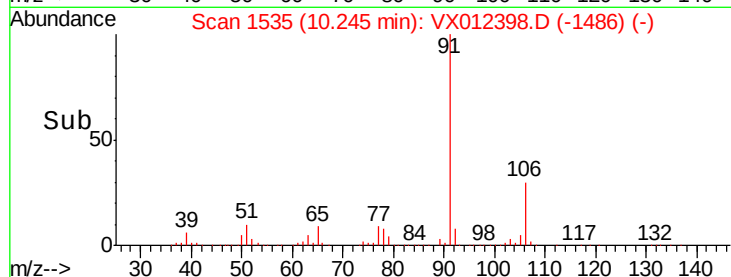
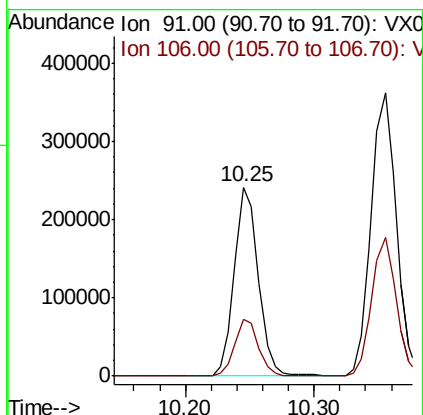
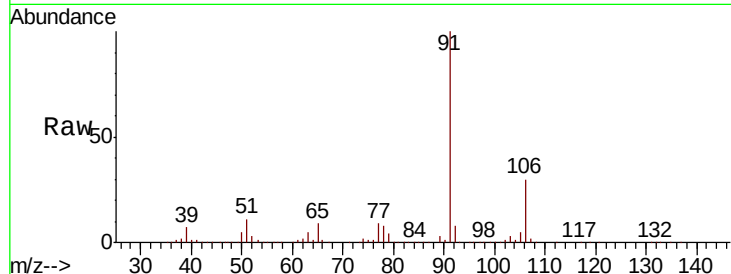




#67
Ethyl Benzene
Concen: 57.976 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

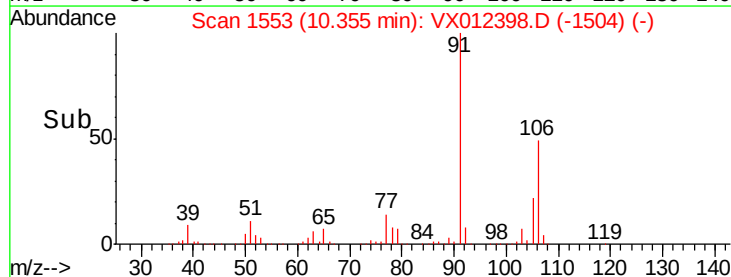
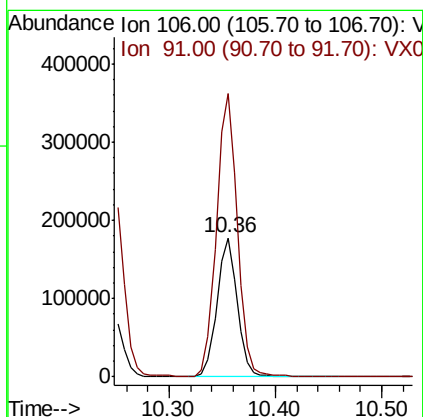
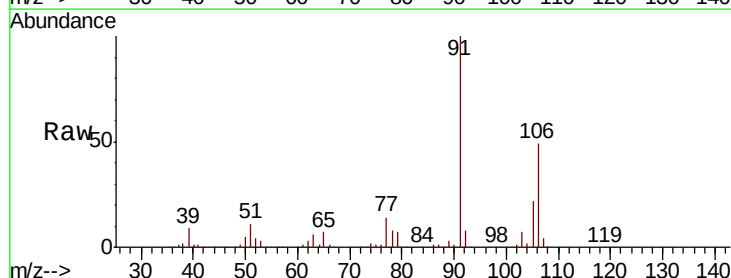
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

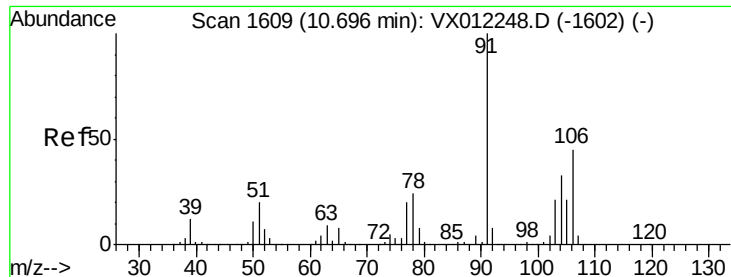
Tgt Ion: 91 Resp: 317542
Ion Ratio Lower Upper
91 100
106 29.9 23.1 34.7



#68
m/p-Xylenes
Concen: 116.891 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 106 Resp: 235676
Ion Ratio Lower Upper
106 100
91 208.5 167.0 250.6

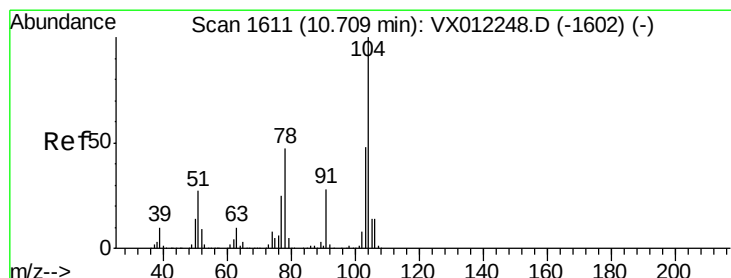
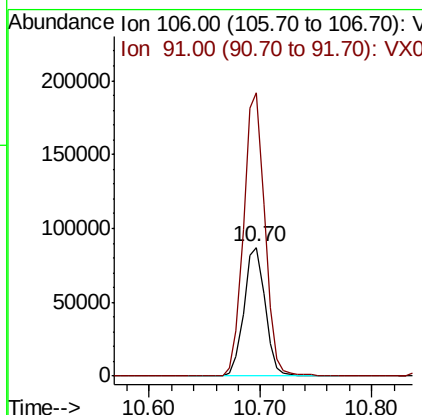
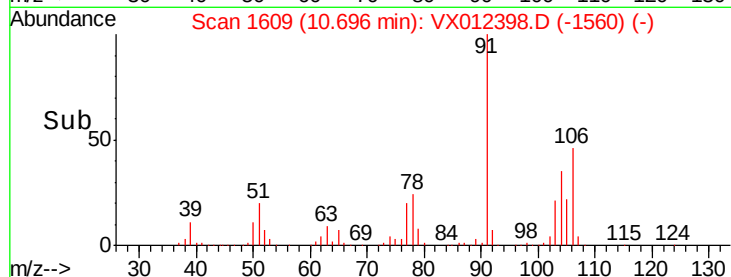
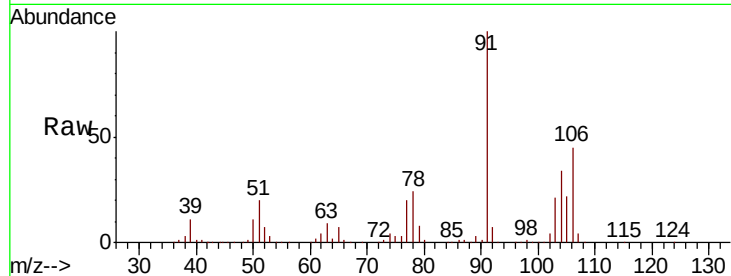




#69
o-Xylene
Concen: 58.553 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

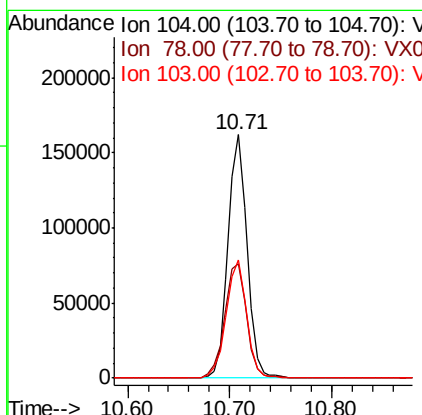
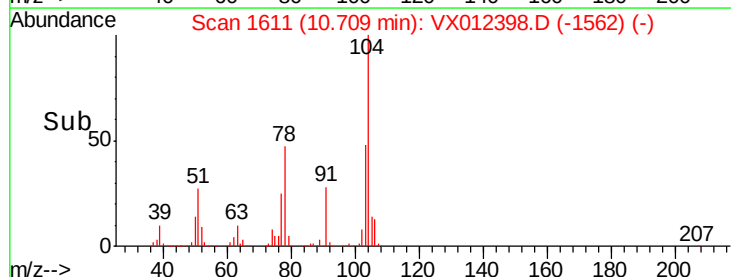
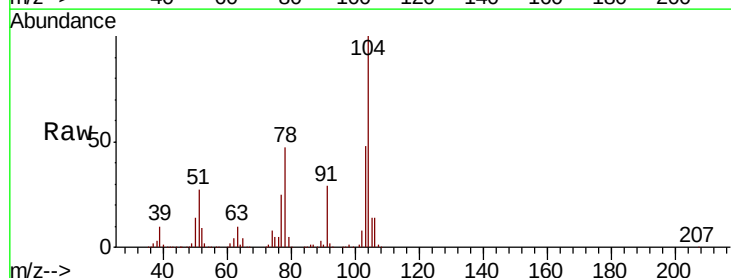
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

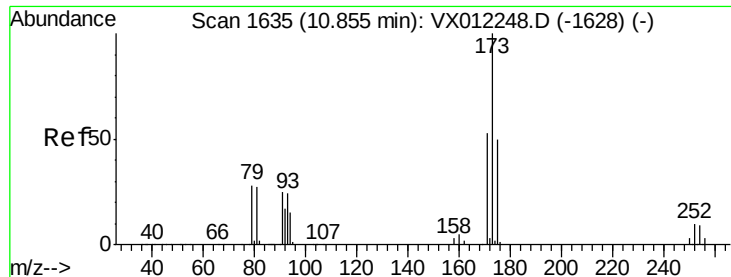
Tgt Ion:106 Resp: 115648
Ion Ratio Lower Upper
106 100
91 219.4 110.5 331.4



#70
Styrene
Concen: 59.928 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion:104 Resp: 209917
Ion Ratio Lower Upper
104 100
78 54.1 44.2 66.2
103 52.2 42.5 63.7





#71

Bromoform

Concen: 59.637 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

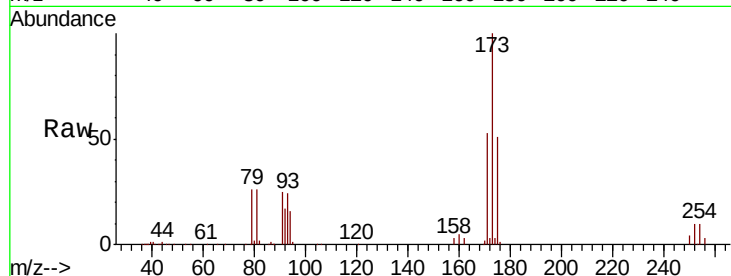
Tgt Ion:173 Resp: 35900

Ion Ratio Lower Upper

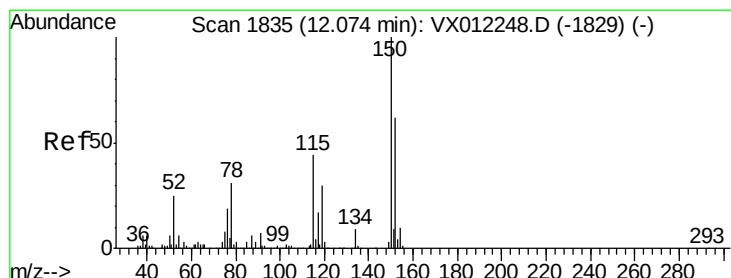
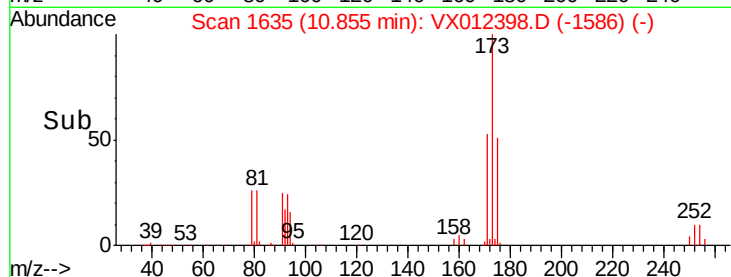
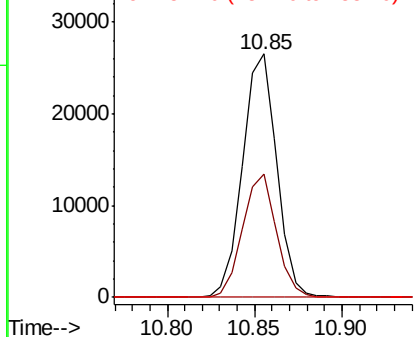
173 100

175 50.1 24.5 73.5

254 0.1 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: VX012398.D

Acq: 13 Sep 2019 20:33

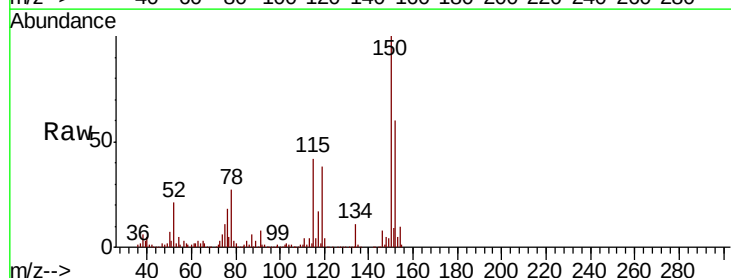
Tgt Ion:152 Resp: 88014

Ion Ratio Lower Upper

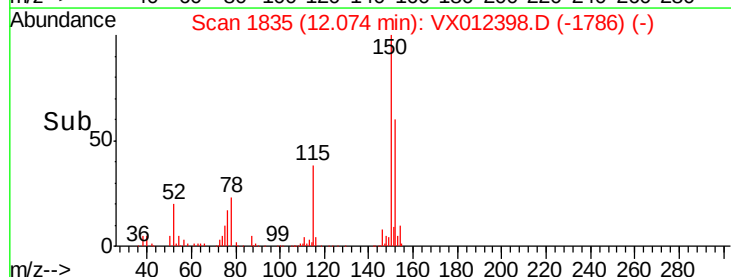
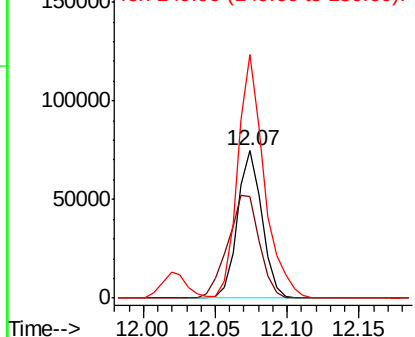
152 100

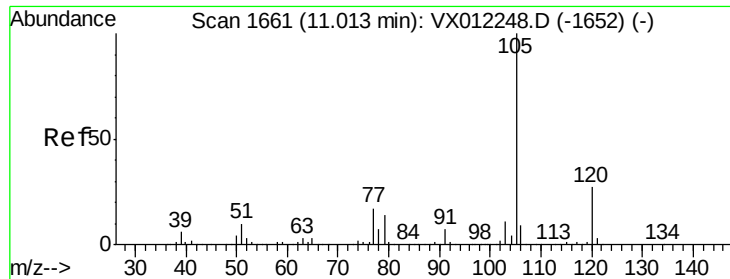
115 91.6 45.5 136.4

150 179.0 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: 55.654 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

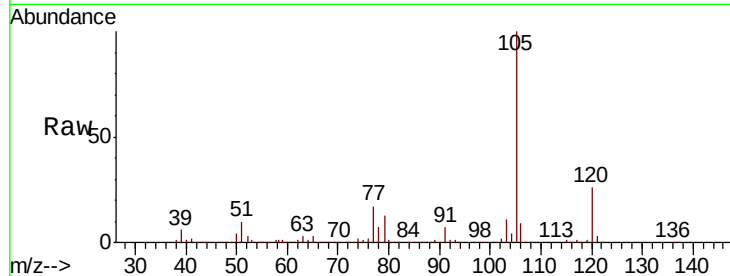
VSTDCCC050EC

Tgt Ion:105 Resp: 322470

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

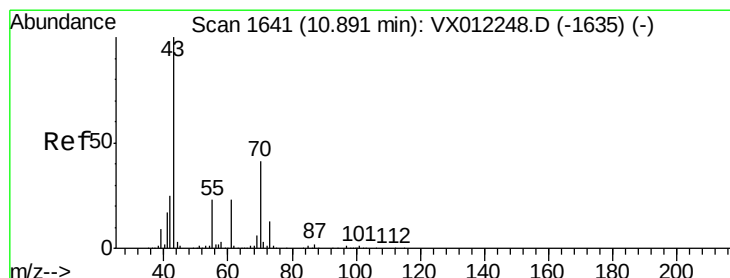
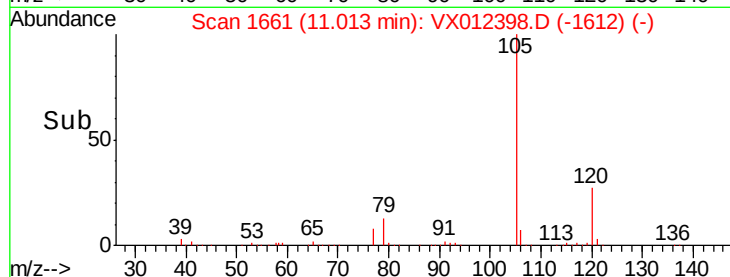
150000

100000

50000

0

Time--> 10.90 11.01 11.10



#74

N-ethyl acetate

Concen: 56.238 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Tgt Ion: 43 Resp: 96887

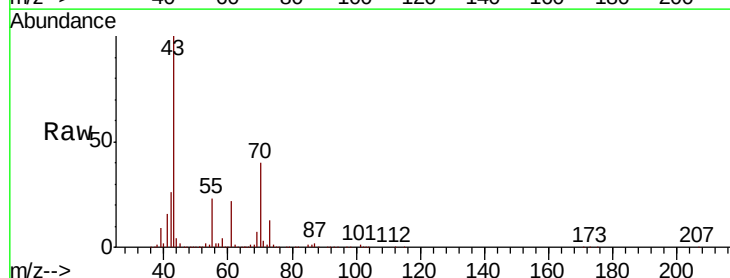
Ion Ratio Lower Upper

43 100

70 41.1 32.9 49.3

55 24.1 19.1 28.7

61 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

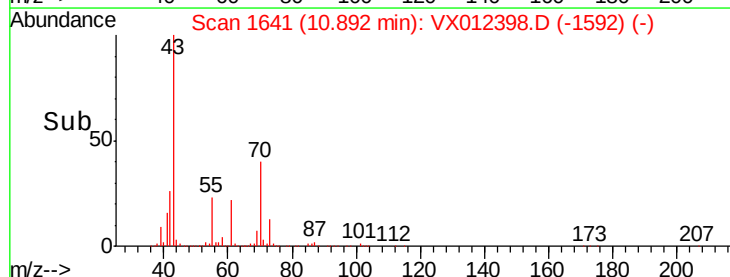
60000

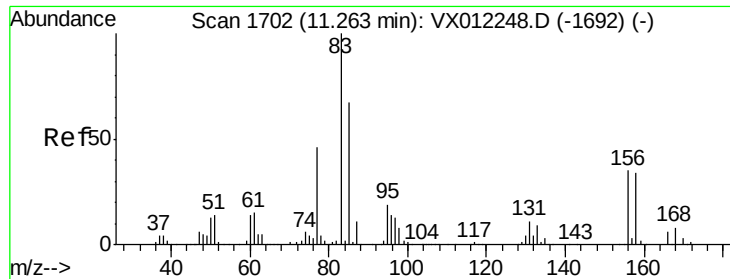
40000

20000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 61.426 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

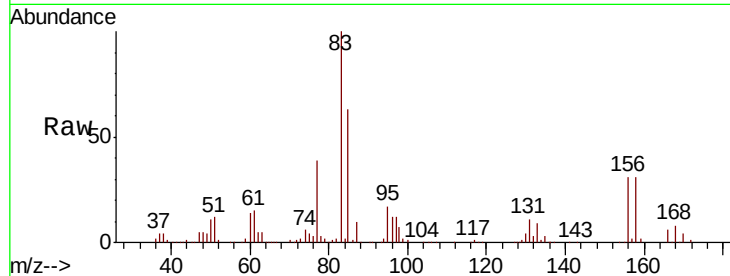
Tgt Ion: 83 Resp: 76438

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

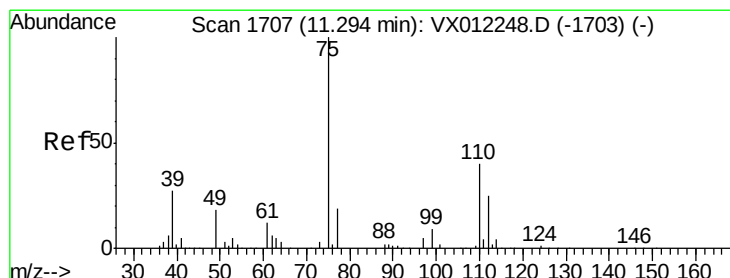
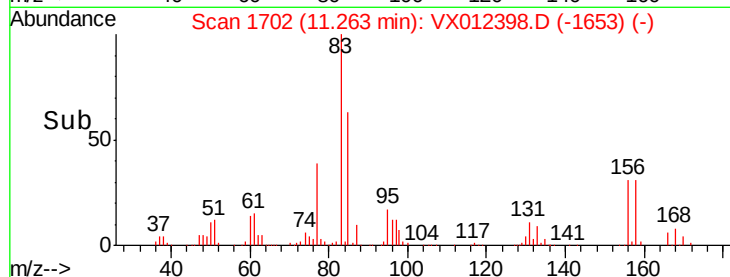
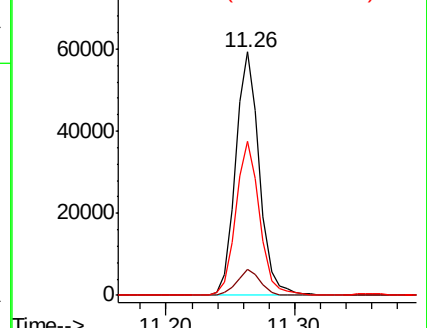
85 63.4 32.8 98.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 69.735 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012398.D

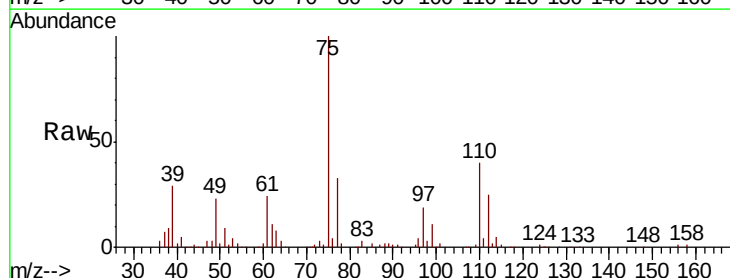
Acq: 13 Sep 2019 20:33

Tgt Ion: 75 Resp: 78847

Ion Ratio Lower Upper

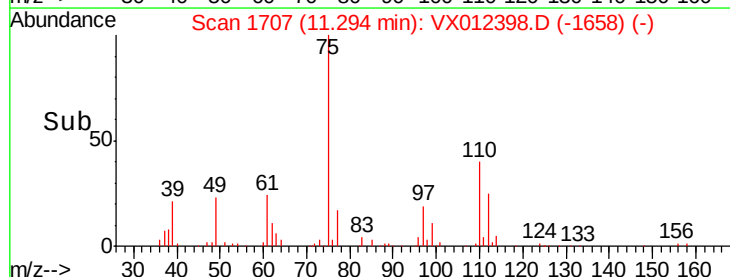
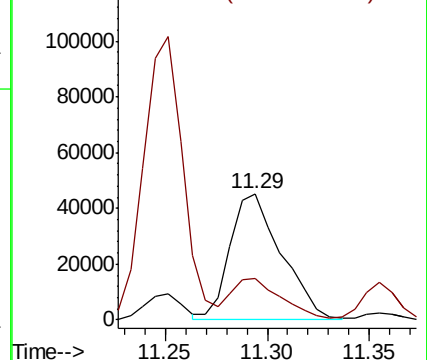
75 100

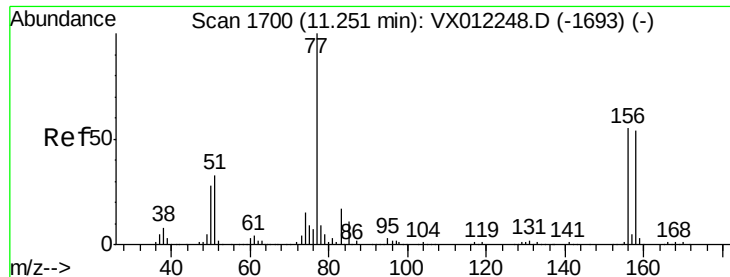
77 32.0 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 57.859 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

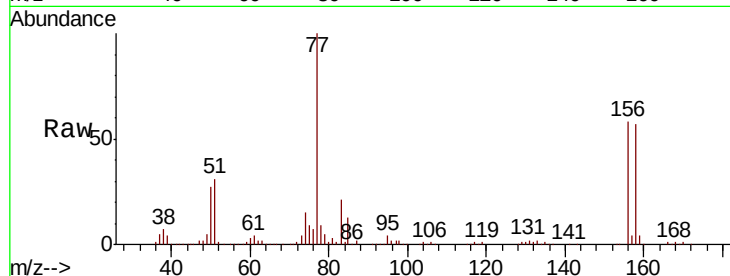
Tgt Ion:156 Resp: 77186

Ion Ratio Lower Upper

156 100

77 175.7 92.2 276.6

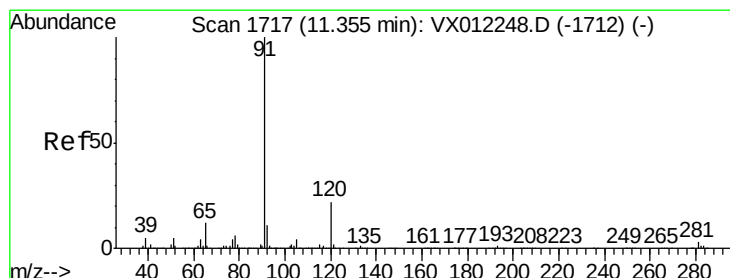
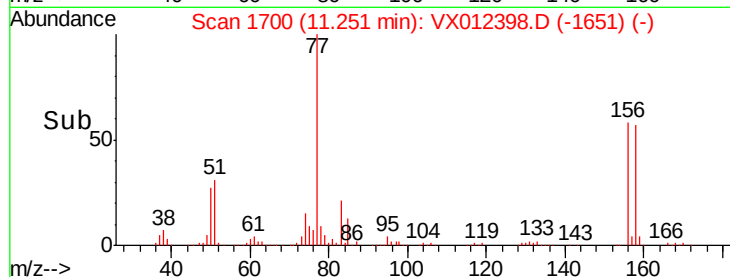
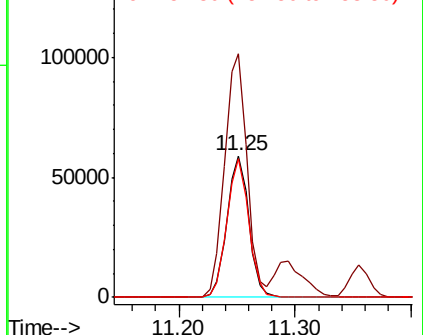
158 97.5 48.8 146.3



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: 54.824 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012398.D

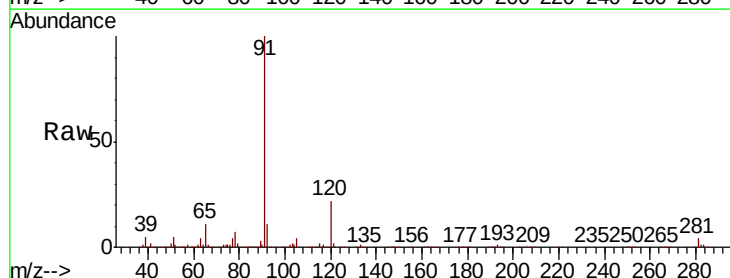
Acq: 13 Sep 2019 20:33

Tgt Ion: 91 Resp: 383609

Ion Ratio Lower Upper

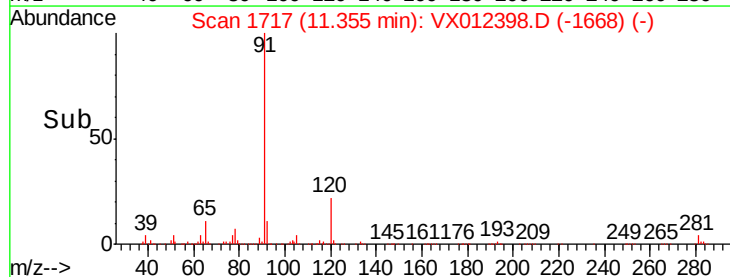
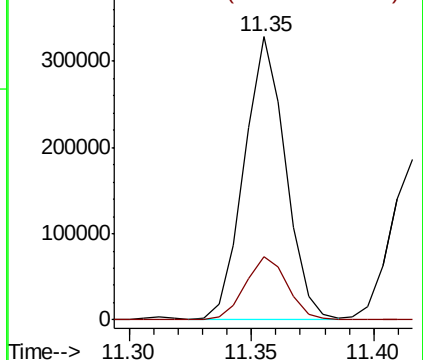
91 100

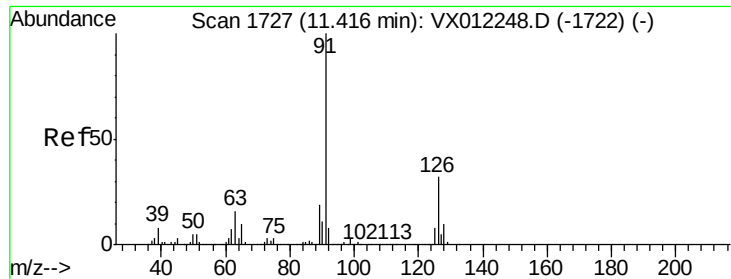
120 22.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

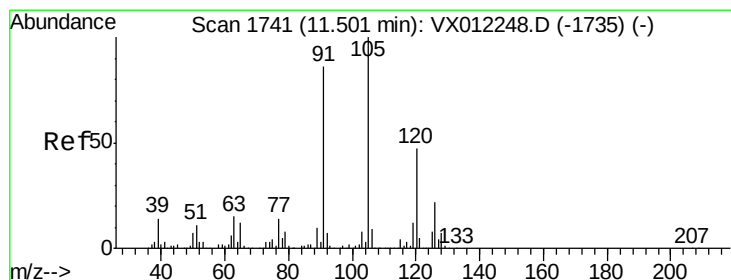
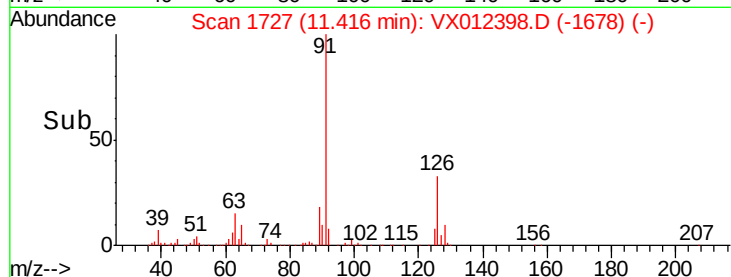
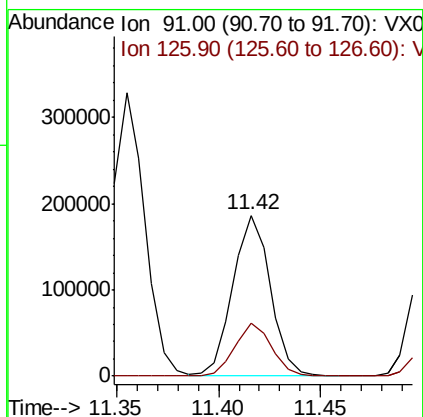
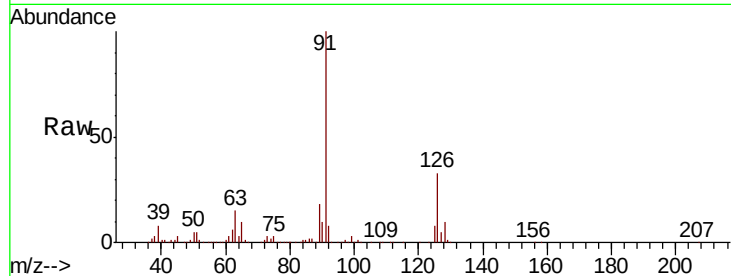




#79
 2-Chlorotoluene
 Concen: 54.417 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

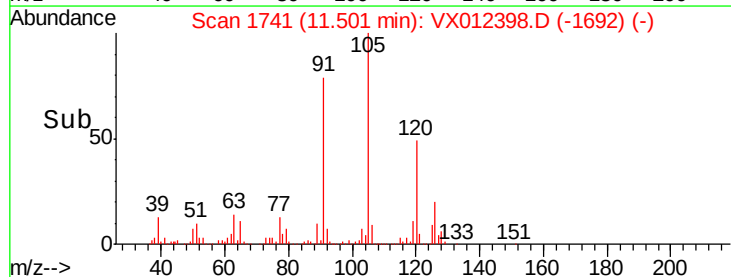
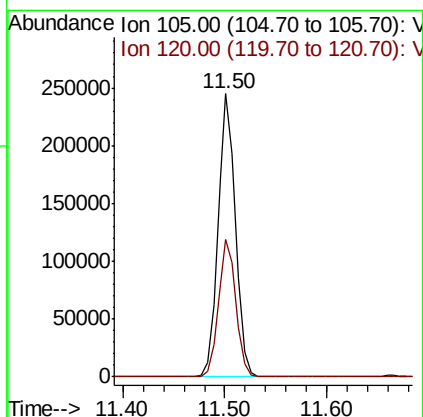
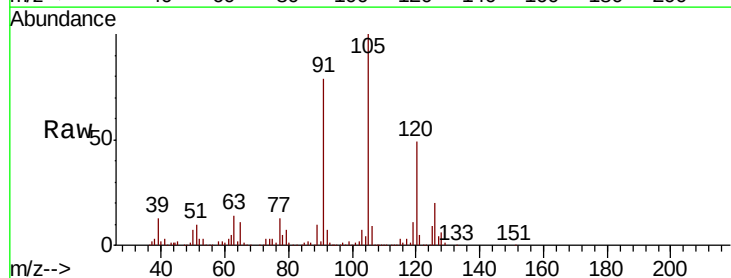
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

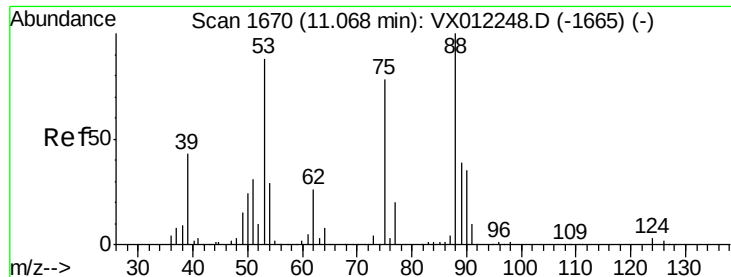
Tgt Ion: 91 Resp: 235901
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 56.217 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 105 Resp: 292929
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.7 71.1

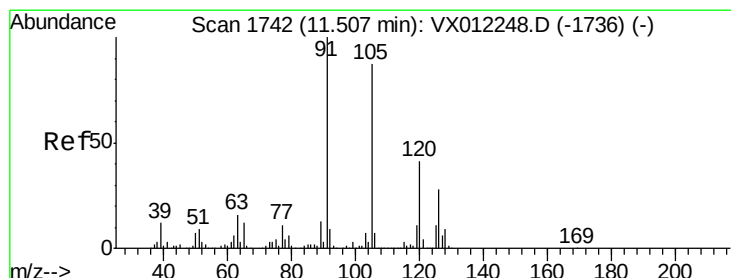
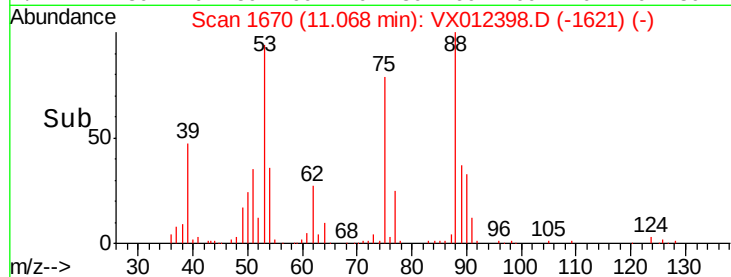
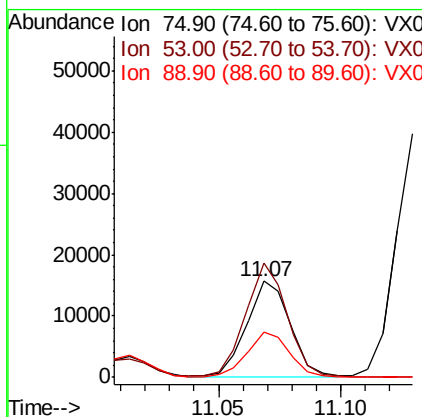
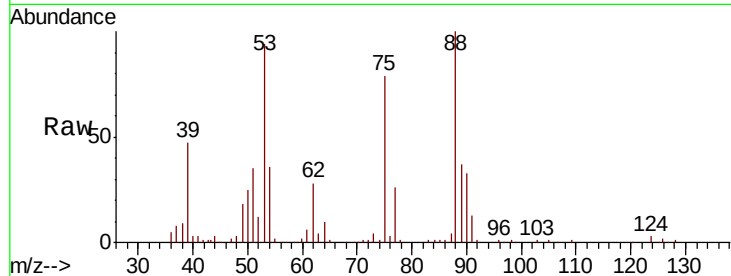




#81
trans-1,4-Dichloro-2-butene
Concen: 51.020 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

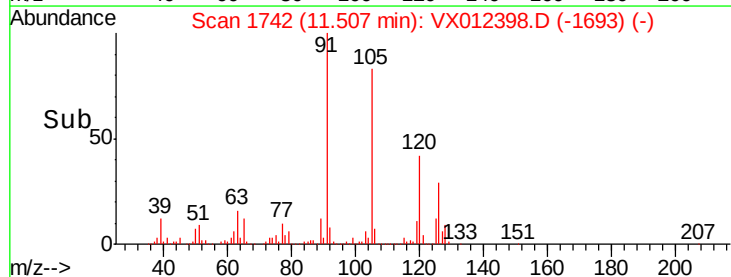
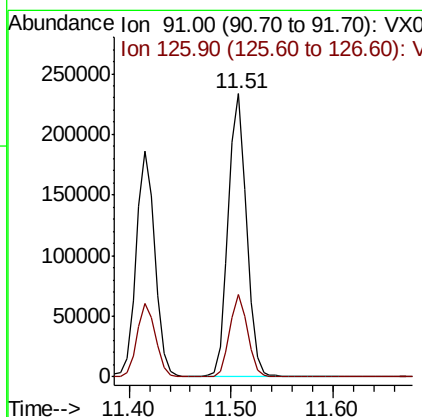
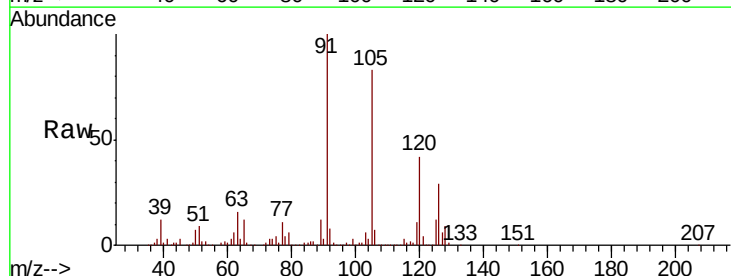
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

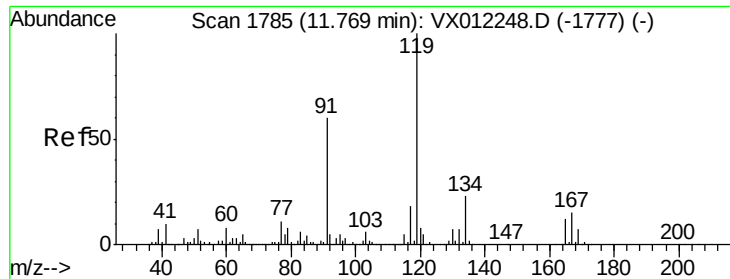
Tgt Ion: 75 Resp: 19253
Ion Ratio Lower Upper
75 100
53 114.6 88.1 132.1
89 47.7 43.5 65.3



#82
4-Chlorotoluene
Concen: 55.576 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion: 91 Resp: 289542
Ion Ratio Lower Upper
91 100
126 28.3 14.0 42.0

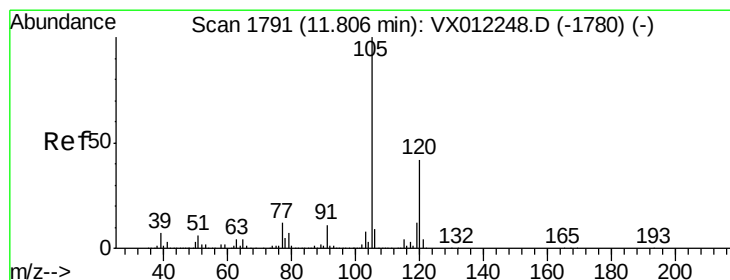
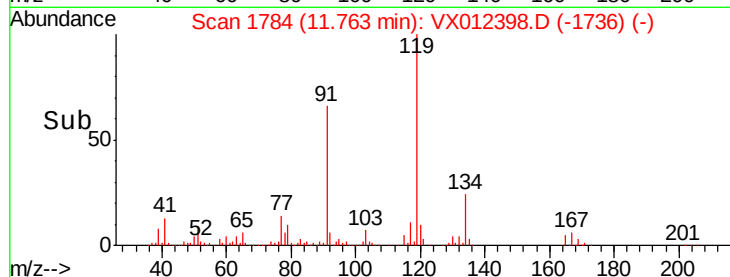
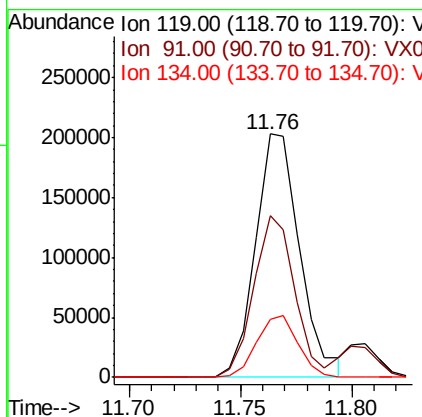
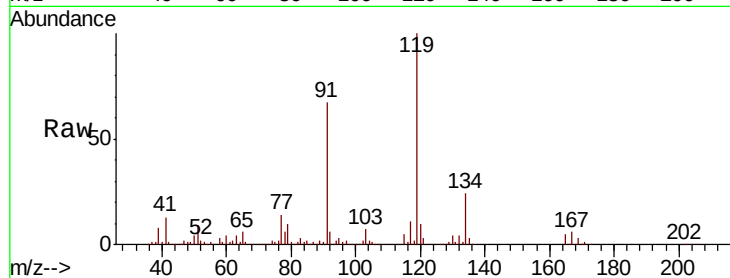




#83
 tert-Butylbenzene
 Concen: 55.542 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

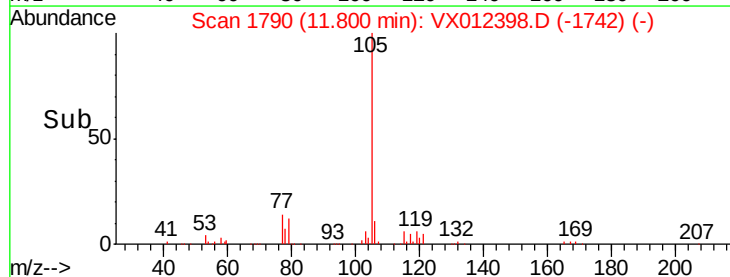
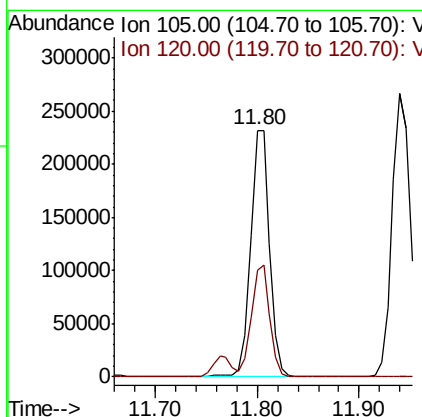
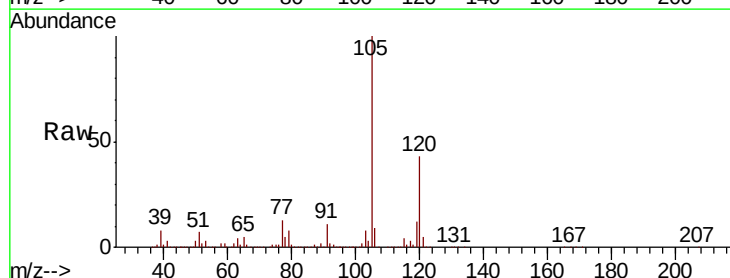
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

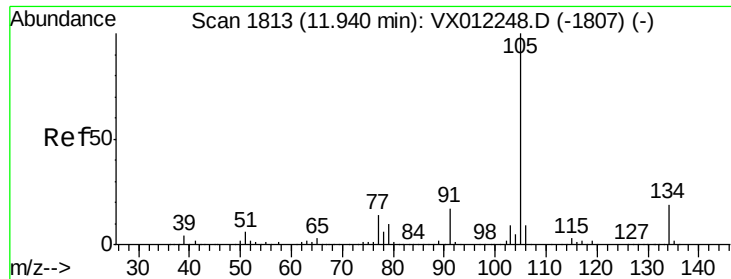
Tgt Ion:119 Resp: 281020
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.9 92.8
 134 23.7 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 55.908 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion:105 Resp: 301152
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.3 63.9

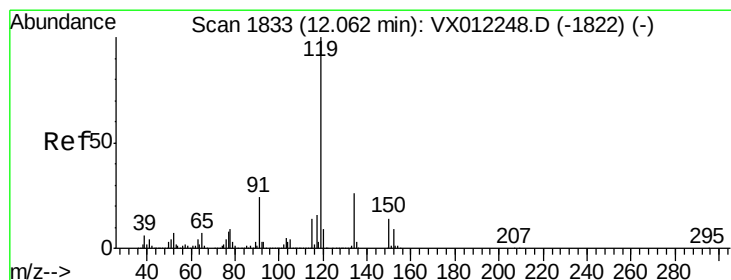
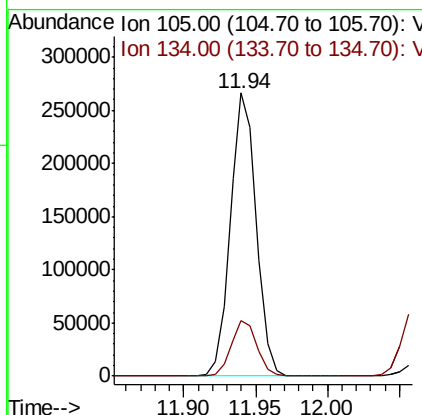
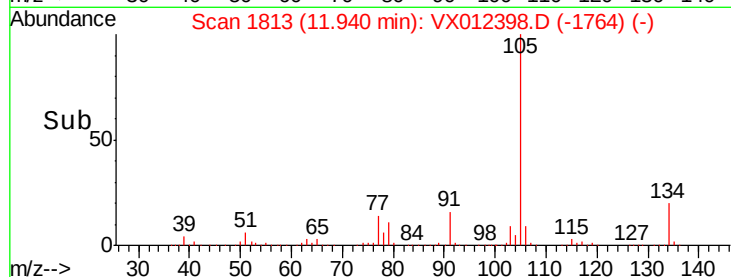
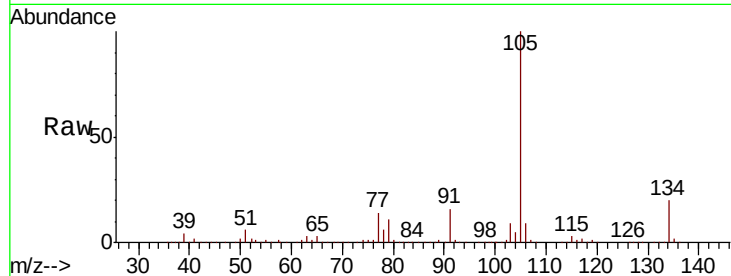




#85
 sec-Butylbenzene
 Concen: 55.261 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

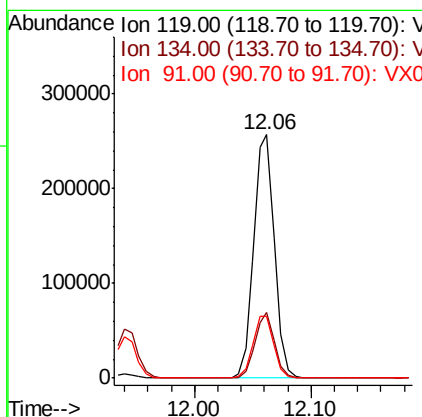
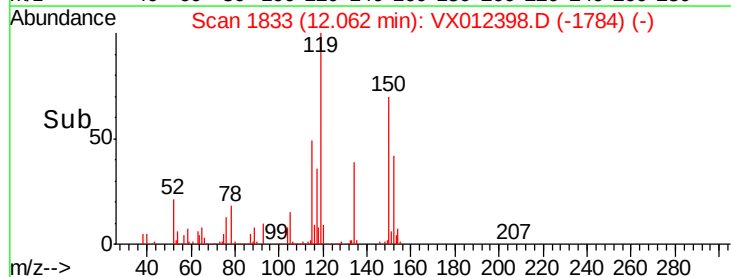
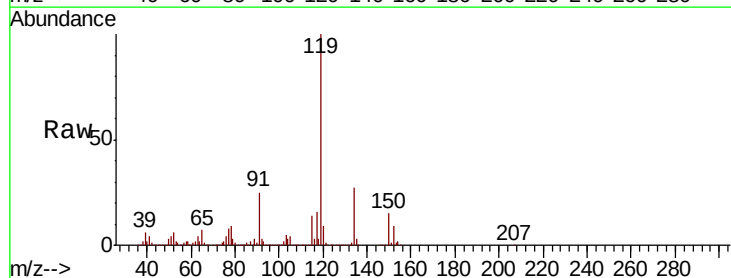
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

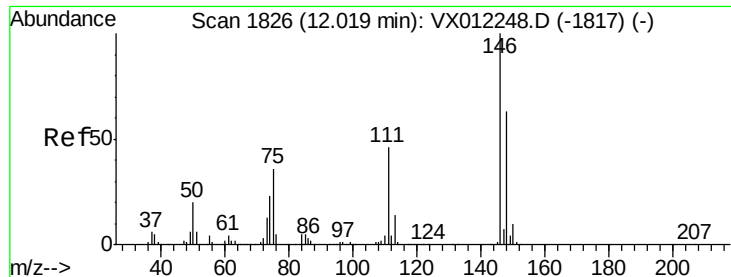
Tgt Ion:105 Resp: 333616
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 57.054 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion:119 Resp: 318253
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.6 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 58.194 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

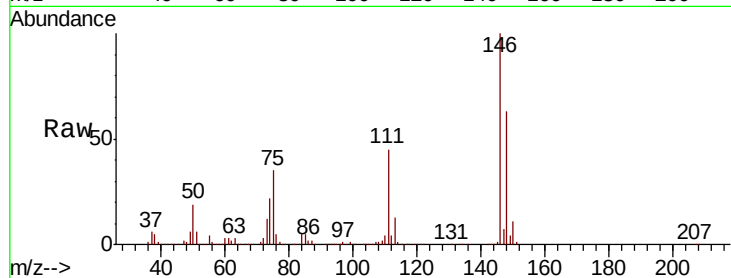
Tgt Ion:146 Resp: 158142

Ion Ratio Lower Upper

146 100

111 43.3 22.3 66.8

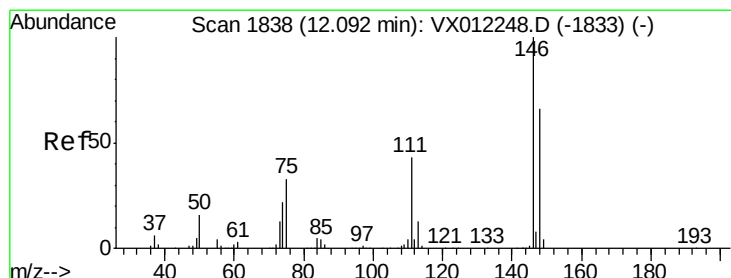
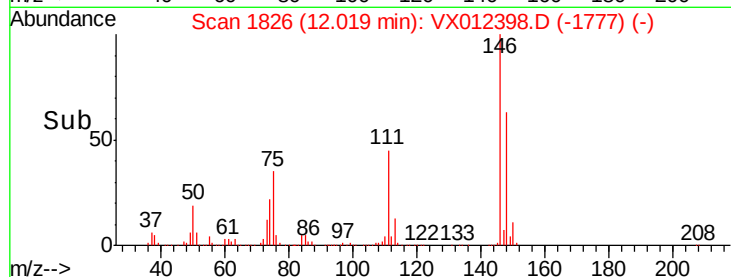
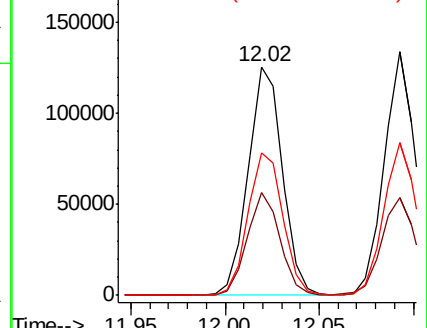
148 63.8 31.5 94.5



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



#88

1,4-Dichlorobenzene

Concen: 57.591 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

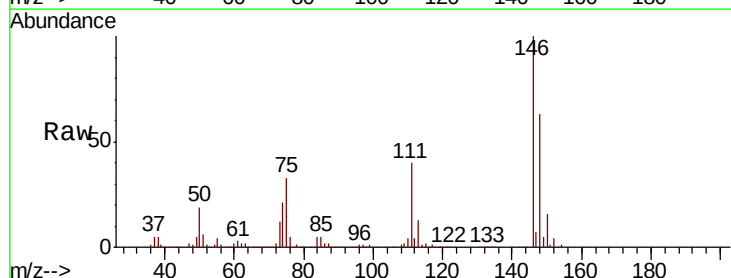
Tgt Ion:146 Resp: 158253

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.8

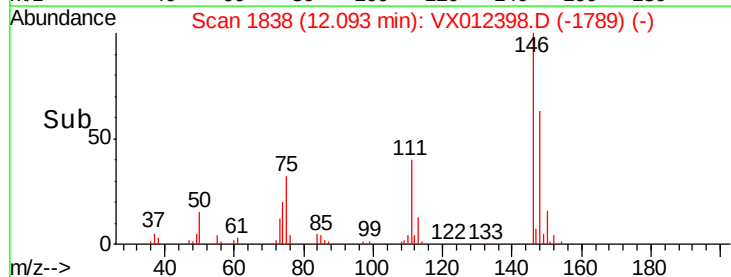
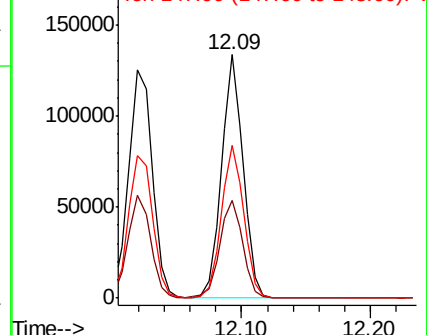
148 64.8 32.4 97.2

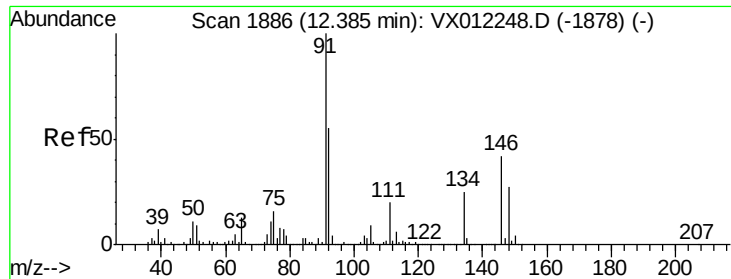


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.374 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

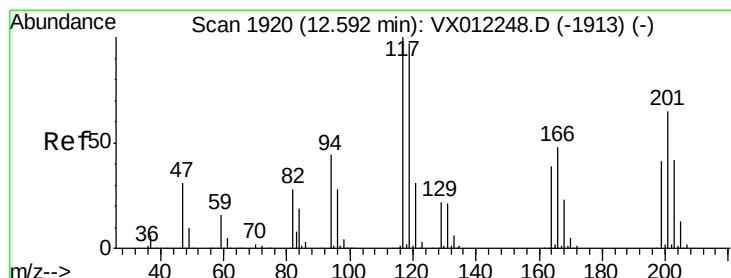
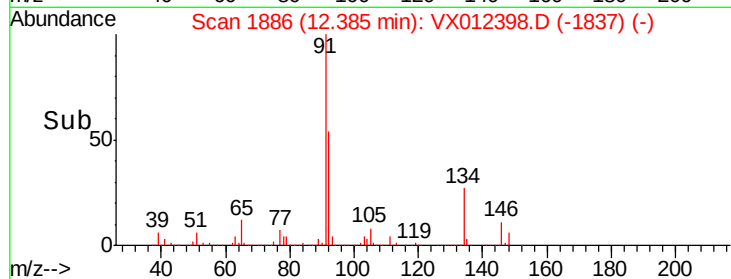
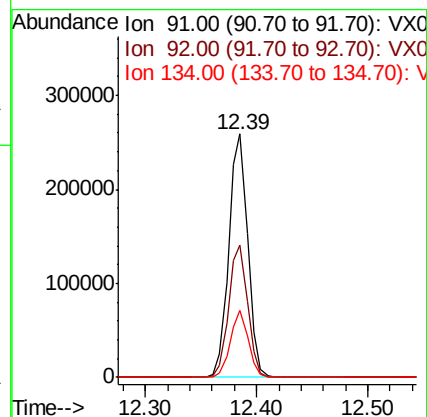
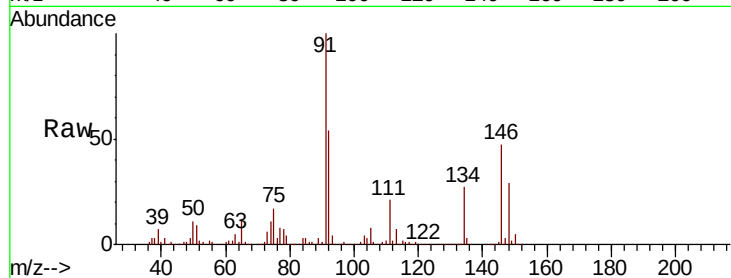
Tgt Ion: 91 Resp: 302746

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.7

134 26.2 12.5 37.5



#90

Hexachloroethane

Concen: 53.105 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012398.D

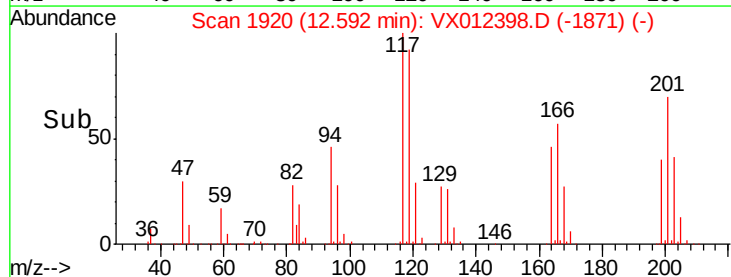
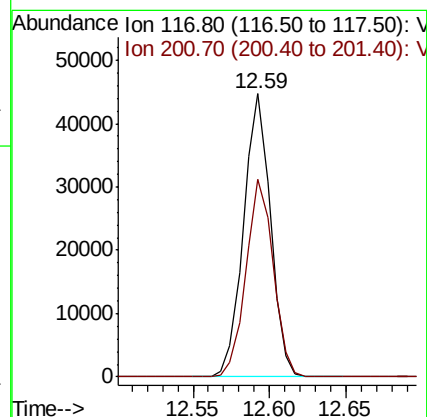
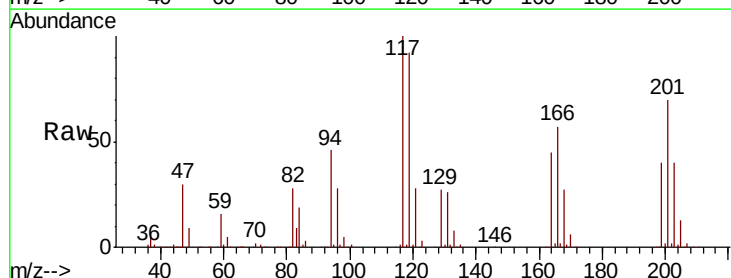
Acq: 13 Sep 2019 20:33

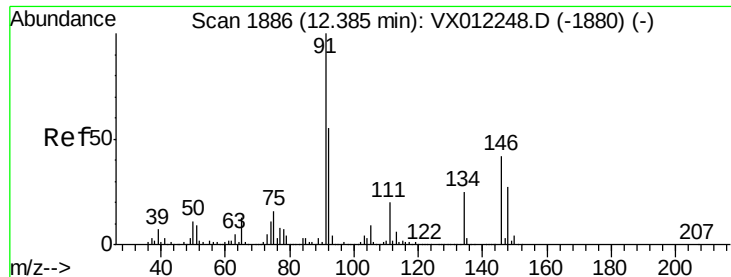
Tgt Ion: 117 Resp: 54563

Ion Ratio Lower Upper

117 100

201 70.7 32.2 96.6

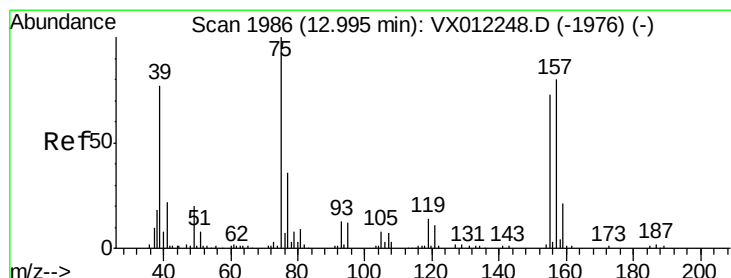
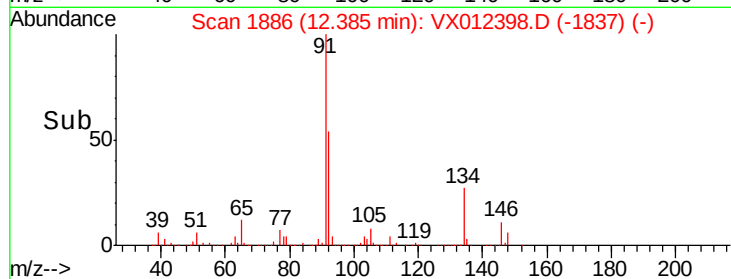
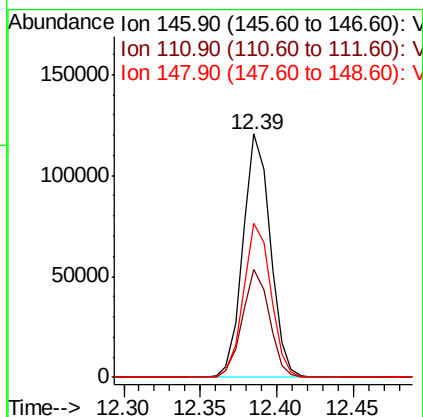
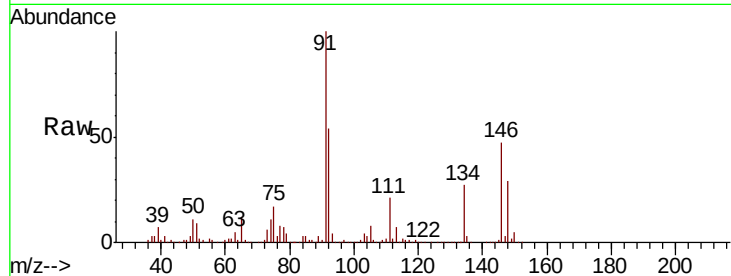




#91
 1,2-Dichlorobenzene
 Concen: 59.537 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

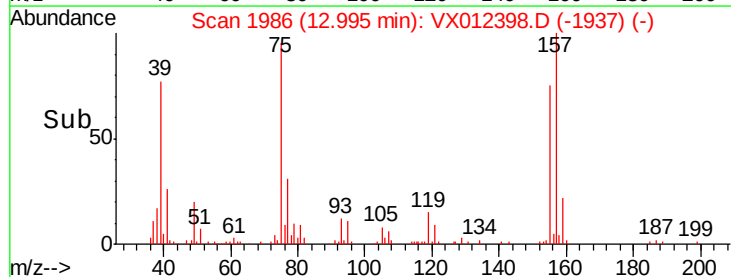
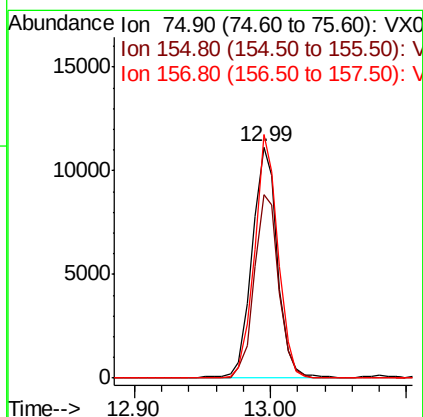
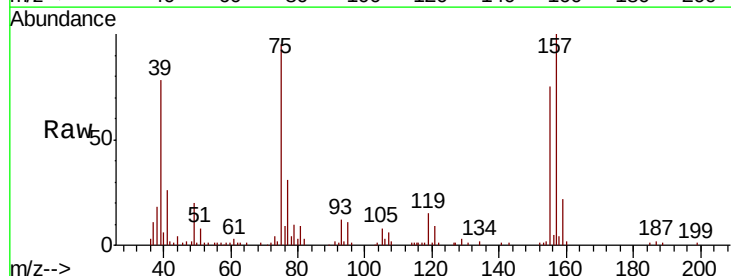
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

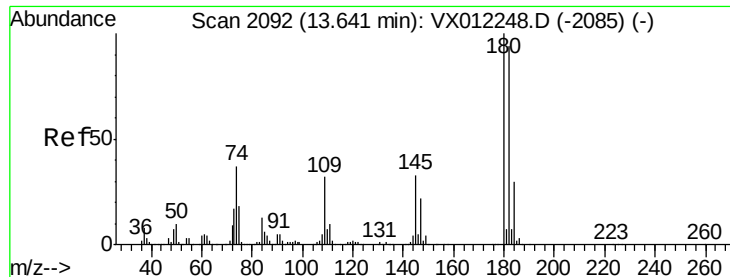
Tgt Ion:146 Resp: 149664
 Ion Ratio Lower Upper
 146 100
 111 43.8 23.2 69.6
 148 63.6 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.641 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion: 75 Resp: 14641
 Ion Ratio Lower Upper
 75 100
 155 76.4 35.3 105.7
 157 96.9 43.2 129.6

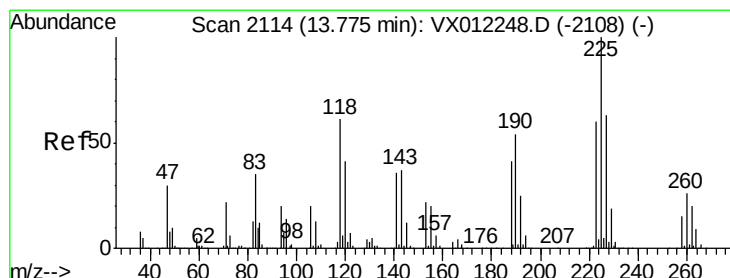
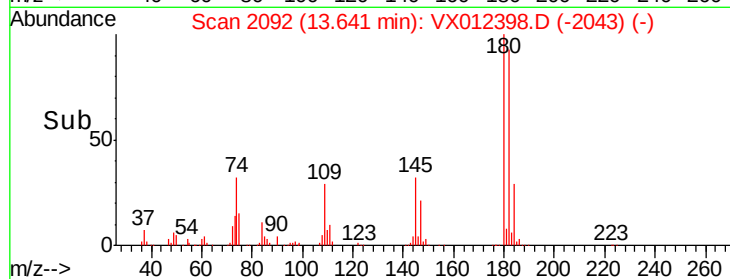
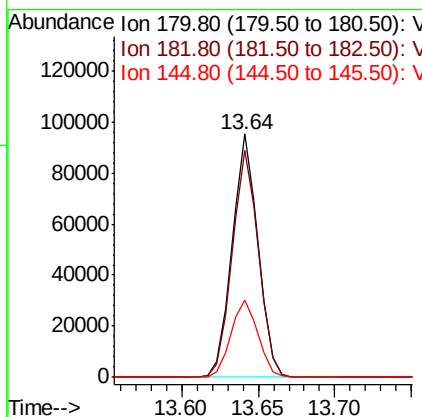
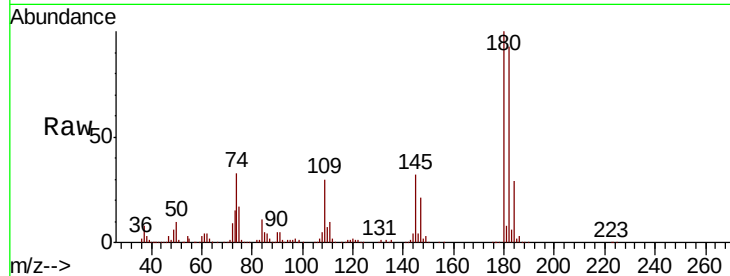




#93
 1,2,4-Trichlorobenzene
 Concen: 64.060 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

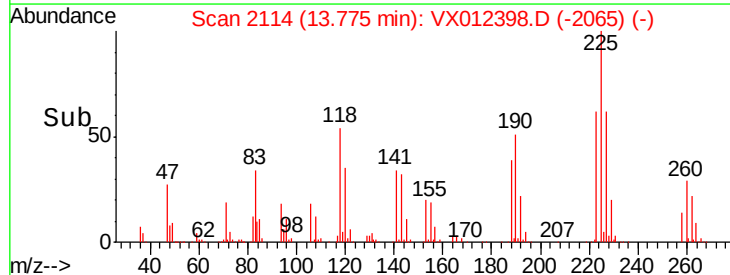
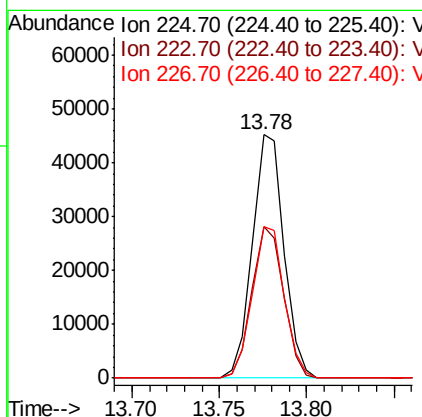
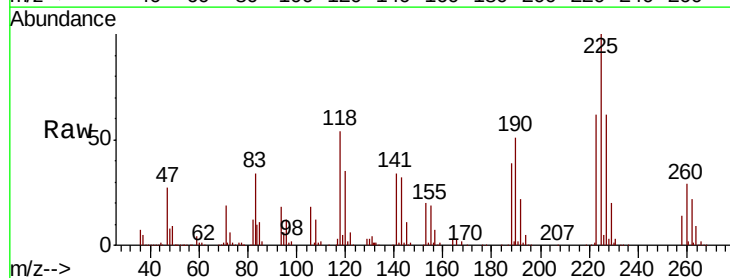
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

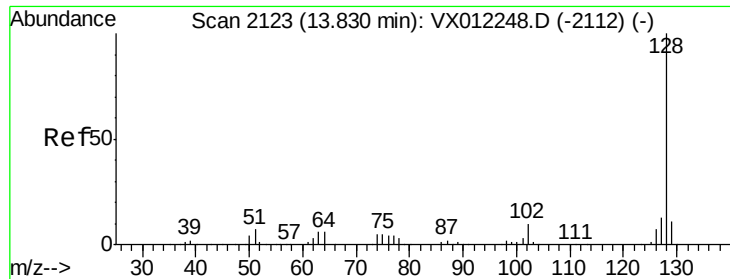
Tgt Ion:180 Resp: 111208
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.9 140.8
 145 33.2 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 65.586 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012398.D
 Acq: 13 Sep 2019 20:33

Tgt Ion:225 Resp: 56642
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.1 96.5
 227 63.0 32.5 97.5

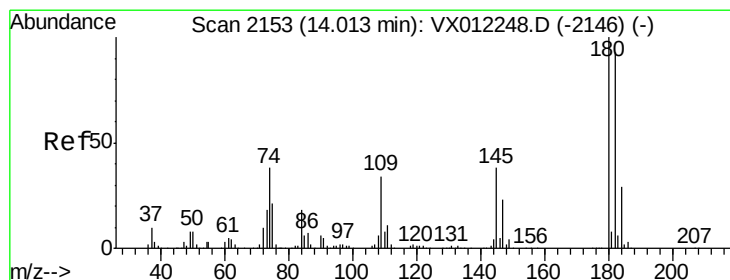
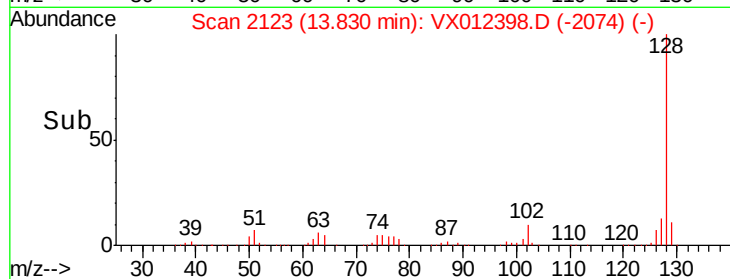
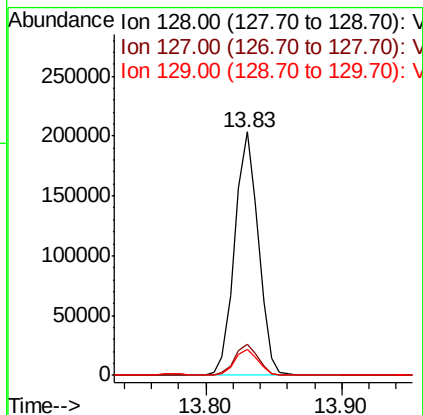
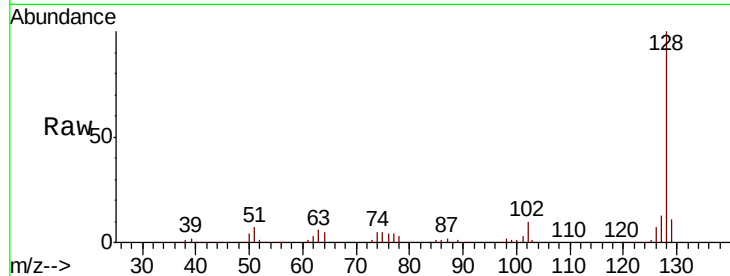




#95
Naphthalene
Concen: 65.936 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 245642
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 65.682 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012398.D
Acq: 13 Sep 2019 20:33

Tgt Ion:180 Resp: 100887
Ion Ratio Lower Upper
180 100
182 94.3 47.0 141.0
145 36.2 18.6 55.8

