

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:36:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	538017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	799944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	721140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	277420	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	5.48	113	233691	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.71	98	901106	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.13	95	321897	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	218574	45.411	ug/l	98
3) Chloromethane	1.32	50	288933	44.730	ug/l	100
4) Vinyl Chloride	1.40	62	314969	46.211	ug/l	99
5) Bromomethane	1.63	94	197578	40.842	ug/l	99
6) Chloroethane	1.72	64	202320	48.095	ug/l	96
7) Trichlorofluoromethane	1.92	101	411909	48.819	ug/l	100
8) Diethyl Ether	2.18	74	186997	47.223	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	253752	49.892	ug/l	99
10) Methyl Iodide	2.50	142	308433	46.195	ug/l	99
11) Tert butyl alcohol	3.03	59	261209	198.251	ug/l	99
12) 1,1-Dichloroethene	2.37	96	249682	48.244	ug/l	97
13) Acrolein	2.28	56	200207	265.450	ug/l	99
14) Allyl chloride	2.72	41	451854	48.899	ug/l	99
15) Acrylonitrile	3.13	53	717807	233.411	ug/l	100
16) Acetone	2.43	43	855627	216.138	ug/l	100
17) Carbon Disulfide	2.56	76	643618	44.874	ug/l	100
18) Methyl Acetate	2.76	43	363750	46.371	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	840210	49.405	ug/l	97
20) Methylene Chloride	2.85	84	289346	46.415	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	268679	47.123	ug/l	97
22) Diisopropyl ether	3.84	45	931509	50.587	ug/l	95
23) Vinyl Acetate	3.80	43	3855874	256.599	ug/l	100
24) 1,1-Dichloroethane	3.69	63	496965	48.509	ug/l	99
25) 2-Butanone	4.65	43	1130972	231.727	ug/l	99
26) 2,2-Dichloropropane	4.57	77	398373	50.083	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	313411	48.604	ug/l	99
28) Bromochloromethane	5.00	49	206498	52.389	ug/l	100
29) Tetrahydrofuran	5.11	42	631288	231.254	ug/l	100
30) Chloroform	5.19	83	480612	49.487	ug/l	99
31) Cyclohexane	5.57	56	448148	49.184	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	408230	49.320	ug/l	99
36) 1,1-Dichloropropene	5.79	75	369030	50.277	ug/l	100
37) Ethyl Acetate	4.81	43	391846	48.344	ug/l	99
38) Carbon Tetrachloride	5.78	117	345407	51.657	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	462479	51.029	ug/l	98
40) Benzene	6.13	78	1131829	50.116	ug/l	99
41) Methacrylonitrile	5.02	41	222938	49.572	ug/l	98
42) 1,2-Dichloroethane	6.18	62	382596	49.977	ug/l	99
43) Isopropyl Acetate	6.43	43	663961	49.498	ug/l	99
44) Trichloroethene	7.20	130	309152	49.560	ug/l	99
45) 1,2-Dichloropropane	7.50	63	298522	51.571	ug/l	96
46) Dibromomethane	7.65	93	188328	49.209	ug/l	99
47) Bromodichloromethane	7.89	83	378043	52.450	ug/l	100
48) Methyl methacrylate	7.76	41	324887	49.462	ug/l	100
49) 1,4-Dioxane	7.73	88	113834	851.606	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2025209	240.403	ug/l	99
52) Toluene	8.78	92	712371	49.904	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	416802	52.738	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	474369	53.876	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	288971	50.509	ug/l	97
56) Ethyl methacrylate	9.17	69	456119	50.753	ug/l	100
57) 1,3-Dichloropropane	9.36	76	486497	50.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	889280	261.476	ug/l	100
59) 2-Hexanone	9.48	43	1633033	240.807	ug/l	99
60) Dibromochloromethane	9.57	129	301830	53.075	ug/l	98
61) 1,2-Dibromoethane	9.67	107	296106	50.585	ug/l	100
64) Tetrachloroethene	9.33	164	325995	51.087	ug/l	96
65) Chlorobenzene	10.13	112	773248	50.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	282187	51.543	ug/l	100
67) Ethyl Benzene	10.24	91	1370211	51.978	ug/l	100
68) m/p-Xylenes	10.35	106	1038568	102.434	ug/l	99
69) o-Xylene	10.69	106	501730	50.456	ug/l	99
70) Styrene	10.71	104	868432	51.647	ug/l	99
71) Bromoform	10.85	173	228665	51.959	ug/l #	100
73) Isopropylbenzene	11.01	105	1343255	52.294	ug/l	100
74) N-amyl acetate	10.89	43	583308	48.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	430598	48.353	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	493920	62.361	ug/l	86
77) Bromobenzene	11.25	156	343403	48.590	ug/l	100
78) n-propylbenzene	11.35	91	1555769	53.997	ug/l	100
79) 2-Chlorotoluene	11.42	91	894742	51.087	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1128209	52.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	144690	51.562	ug/l	99
82) 4-Chlorotoluene	11.51	91	1042921	51.335	ug/l	99
83) tert-Butylbenzene	11.76	119	1099381	52.257	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1133384	52.352	ug/l	99
85) sec-Butylbenzene	11.94	105	1317333	53.042	ug/l	100
86) p-Isopropyltoluene	12.06	119	1221673	53.775	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	618856	49.963	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	619591	49.196	ug/l	99
89) n-Butylbenzene	12.38	91	1075223	55.468	ug/l	100
90) Hexachloroethane	12.59	117	212847	52.161	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	618701	49.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	86939	44.116	ug/l	97

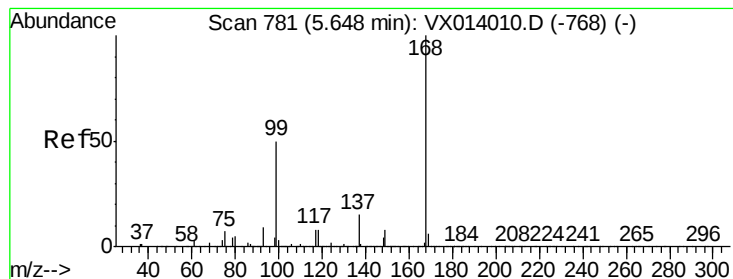
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	424939	52.435	ug/l	98
94) Hexachlorobutadiene	13.77	225	205721	52.819	ug/l	98
95) Naphthalene	13.83	128	1225726	51.478	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	417828	52.228	ug/l	97

(#) = 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: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

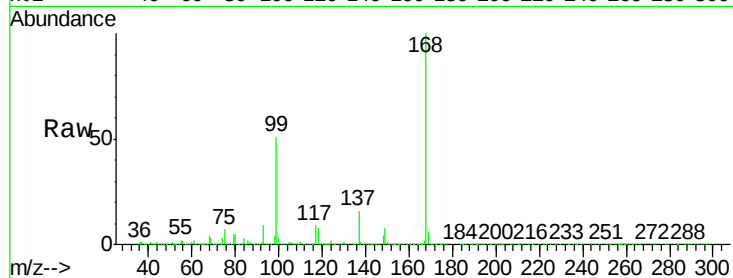
VSTDCCC050

Tgt Ion:168 Resp: 538017

Ion Ratio Lower Upper

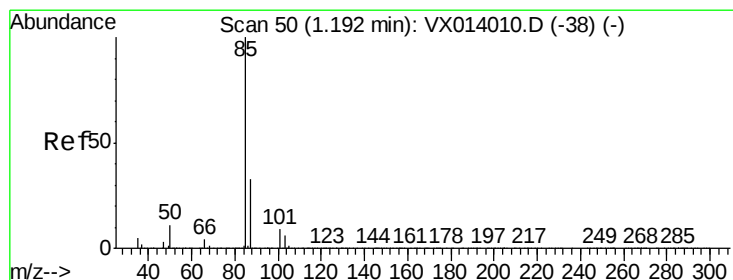
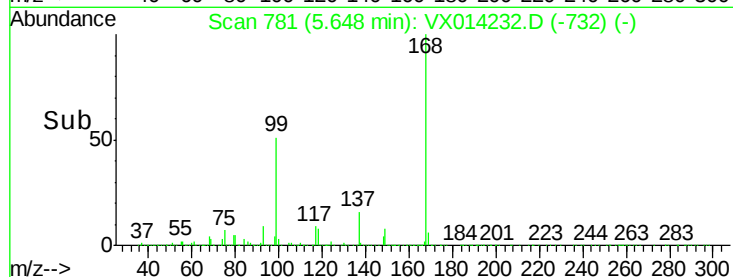
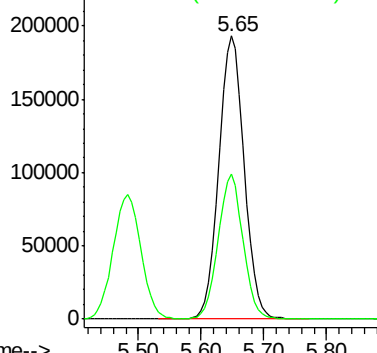
168 100

99 51.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.411 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014232.D

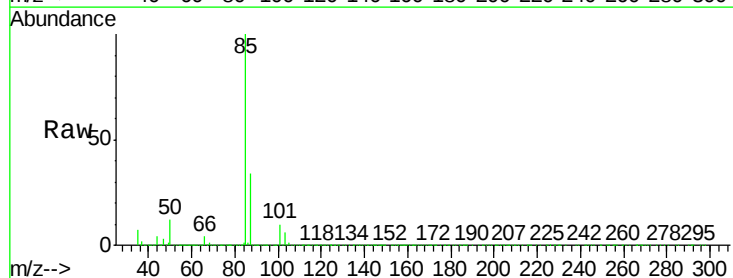
Acq: 24 Dec 2019 09:28

Tgt Ion: 85 Resp: 218574

Ion Ratio Lower Upper

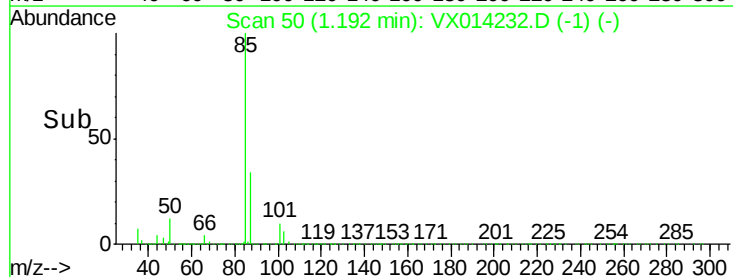
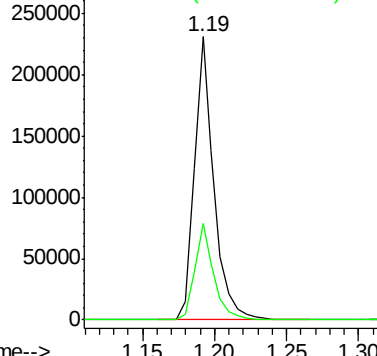
85 100

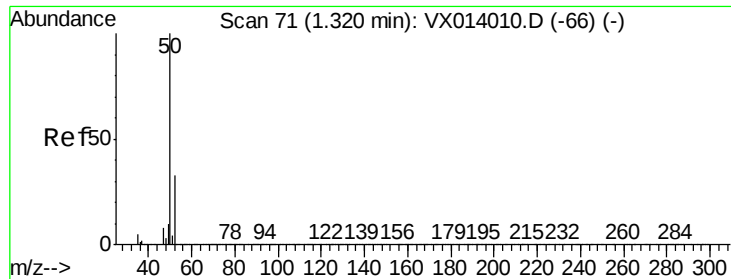
87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.730 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

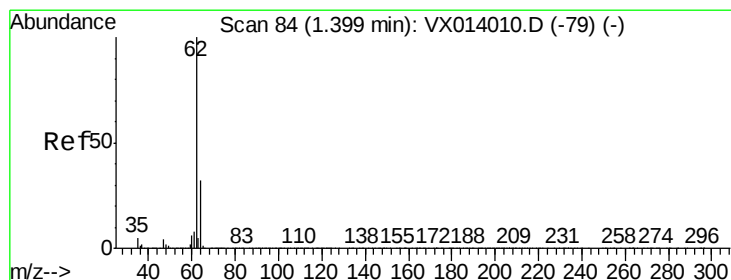
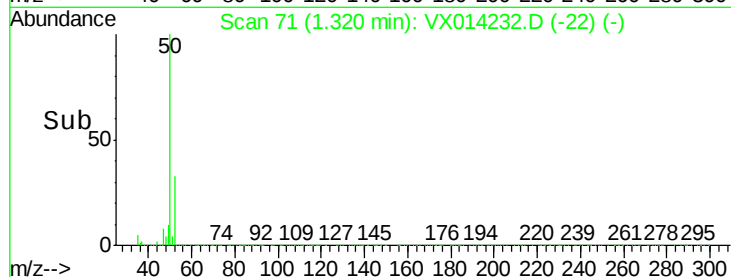
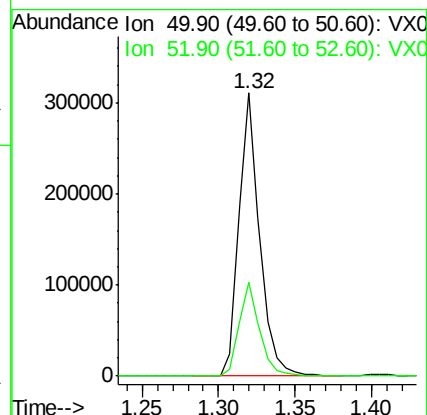
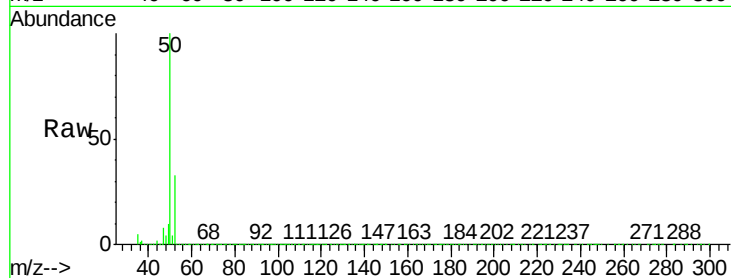
VSTDCCC050

Tgt Ion: 50 Resp: 288933

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 46.211 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014232.D

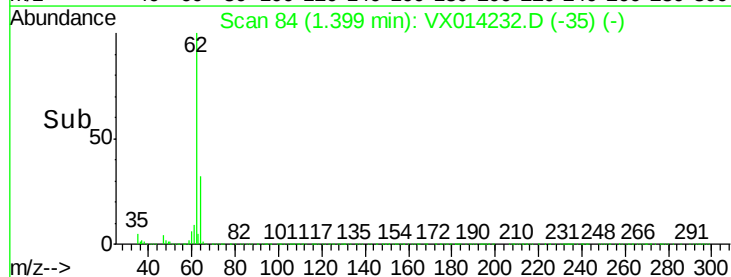
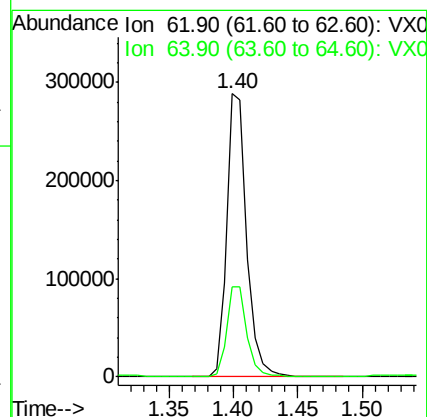
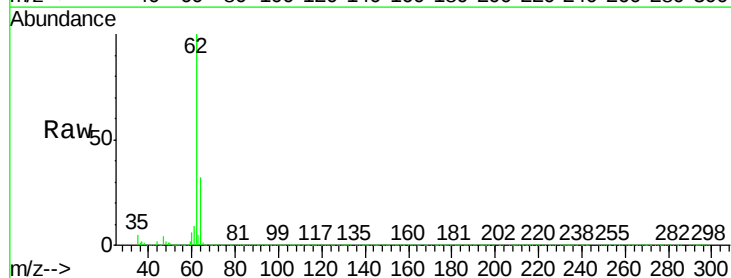
Acq: 24 Dec 2019 09:28

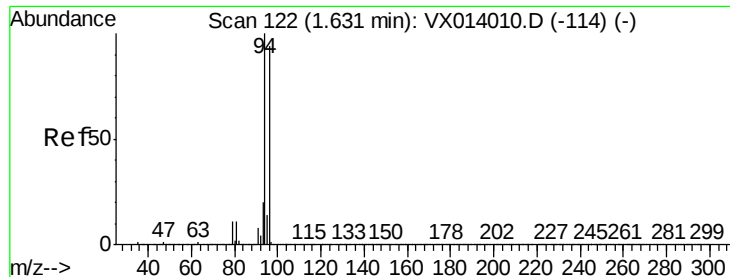
Tgt Ion: 62 Resp: 314969

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 40.842 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

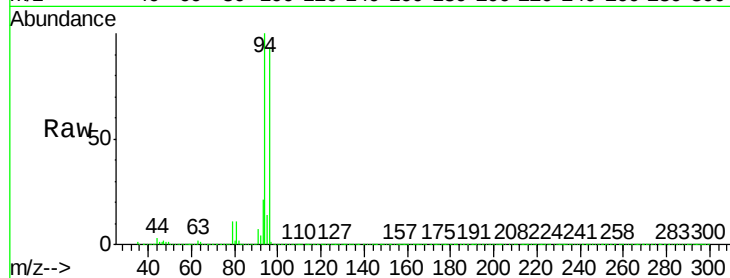
VSTDCCC050

Tgt Ion: 94 Resp: 197578

Ion Ratio Lower Upper

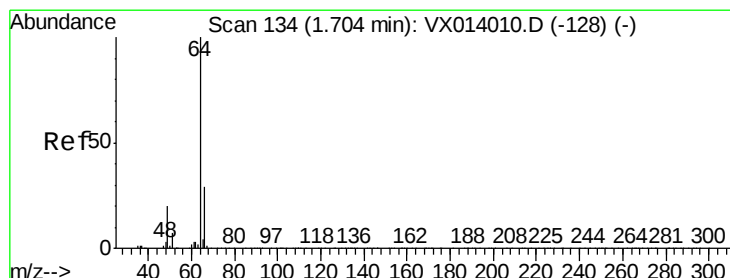
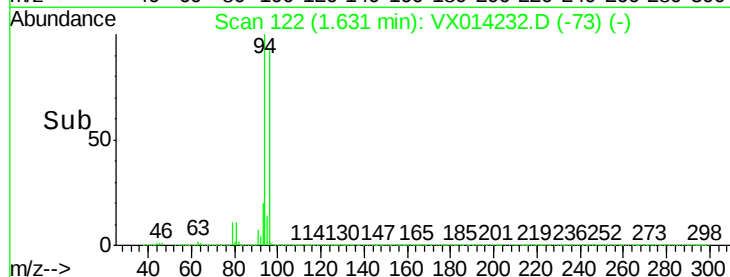
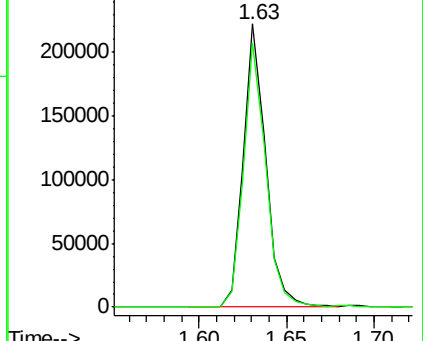
94 100

96 93.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.095 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014232.D

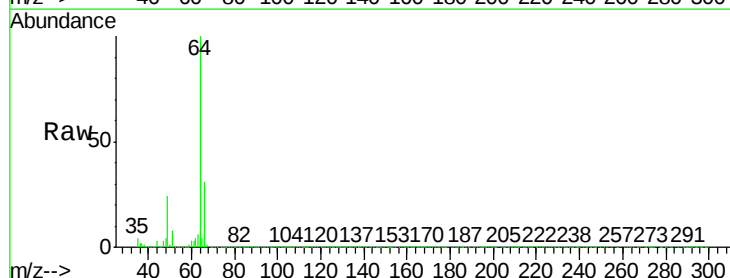
Acq: 24 Dec 2019 09:28

Tgt Ion: 64 Resp: 202320

Ion Ratio Lower Upper

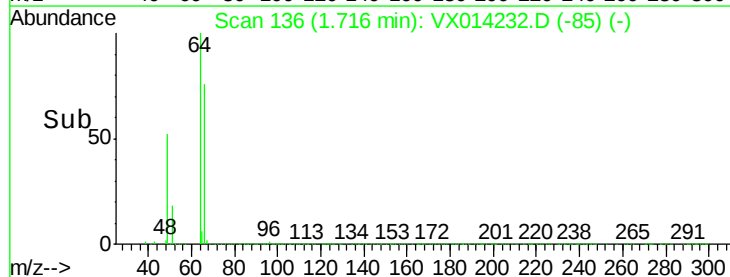
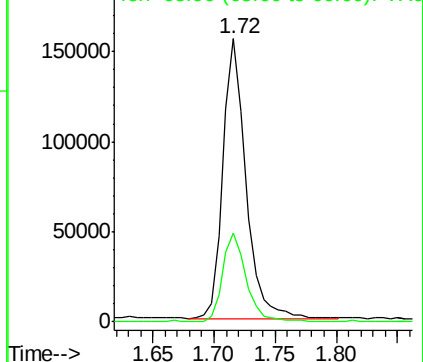
64 100

66 31.4 23.4 35.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



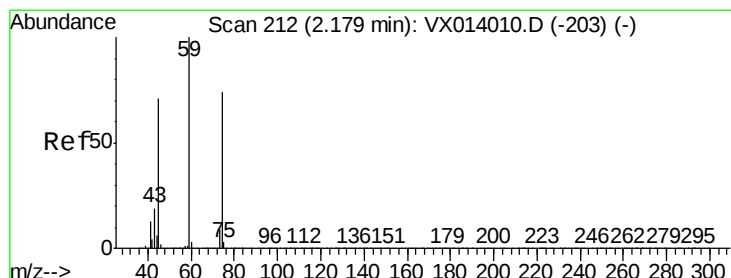
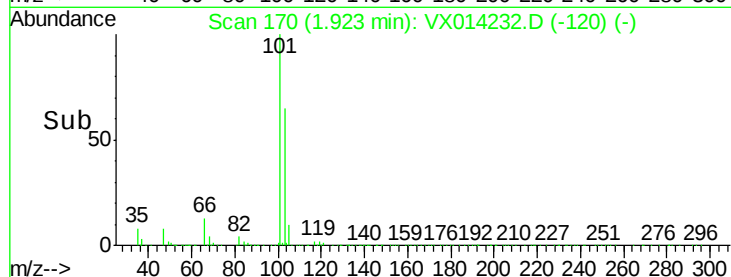
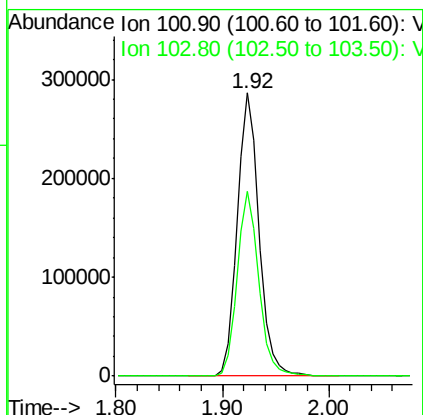
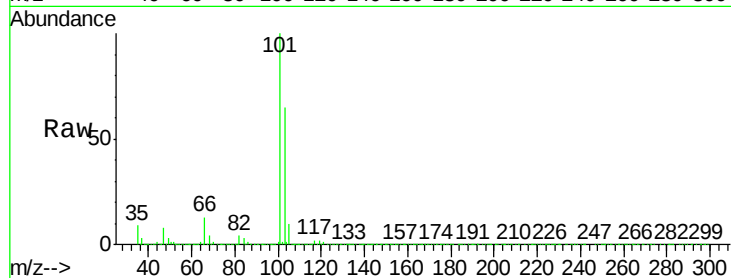


#7

Trichlorofluoromethane
Concen: 48.819 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

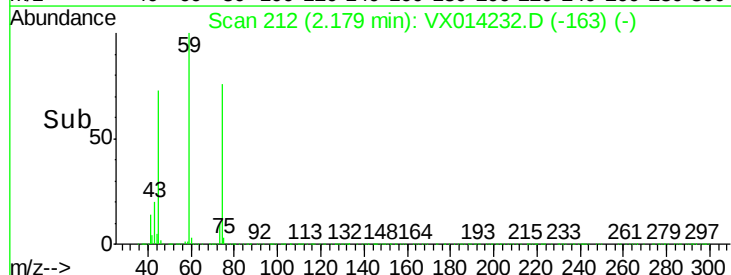
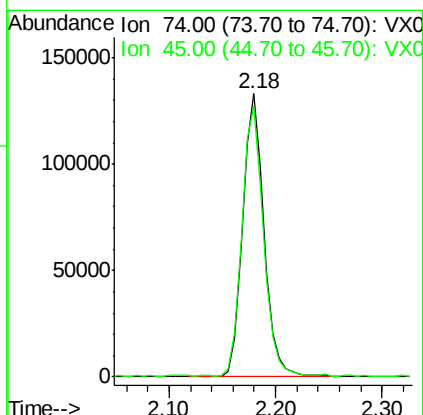
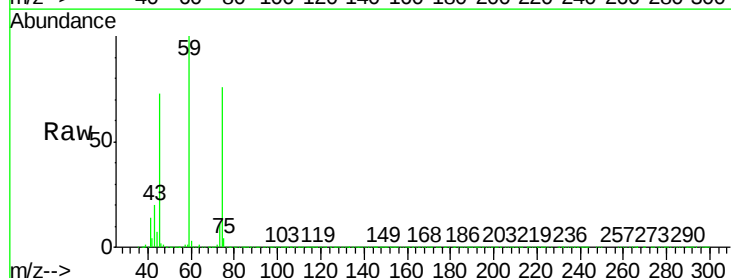
Tgt Ion:101 Resp: 411909
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

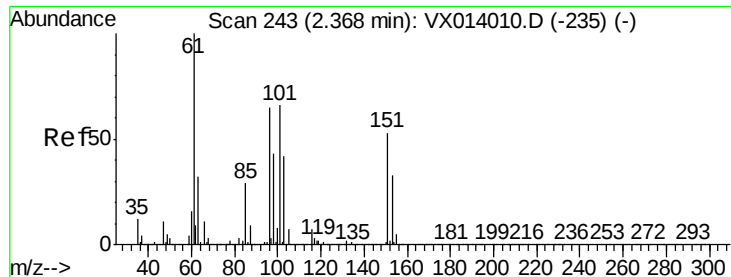


#8

Diethyl Ether
Concen: 47.223 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 74 Resp: 186997
Ion Ratio Lower Upper
74 100
45 96.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.892 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

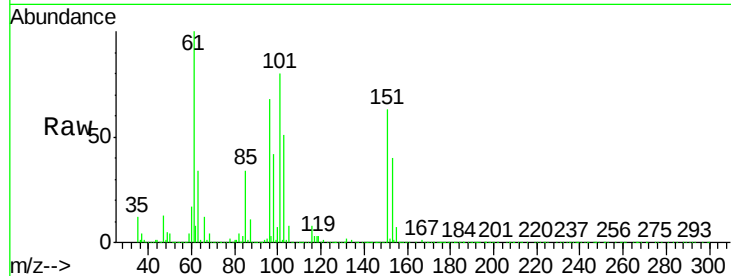
Tgt Ion:101 Resp: 253752

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

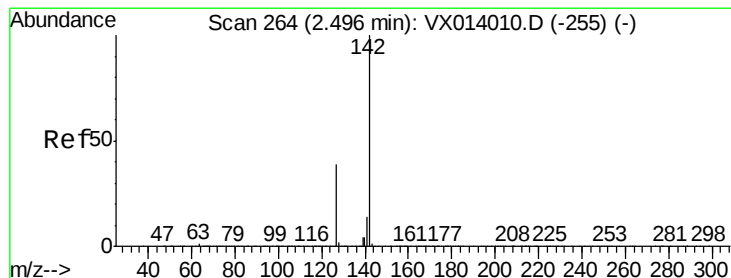
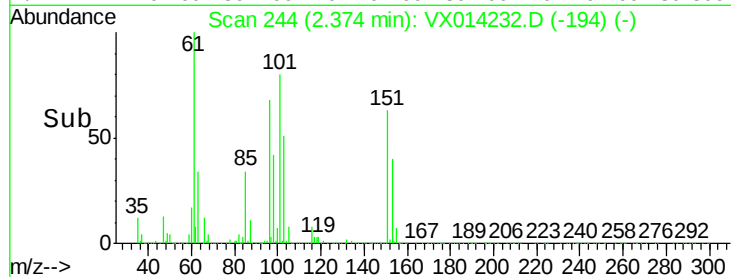
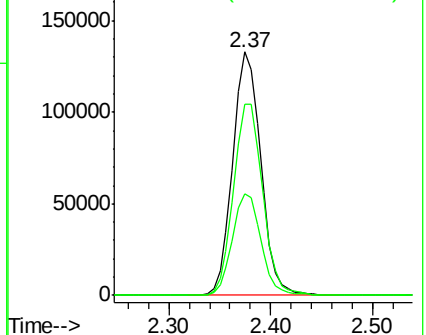
151 81.4 64.5 96.7



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: 46.195 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

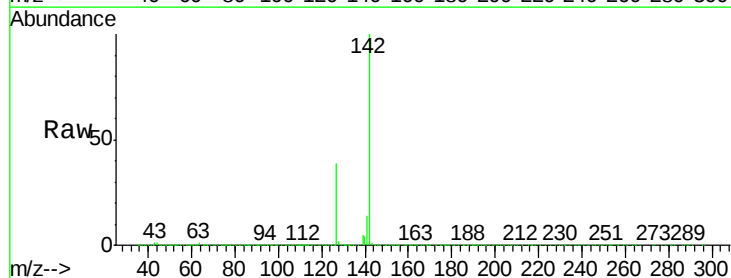
Tgt Ion:142 Resp: 308433

Ion Ratio Lower Upper

142 100

127 38.7 31.6 47.4

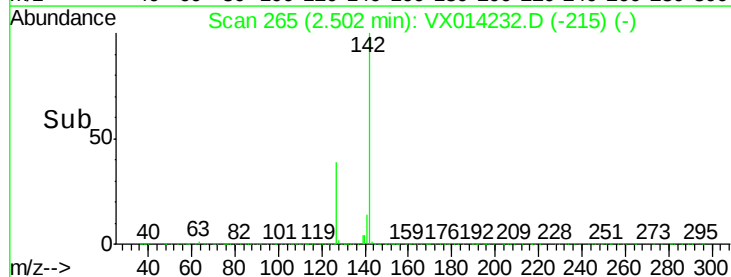
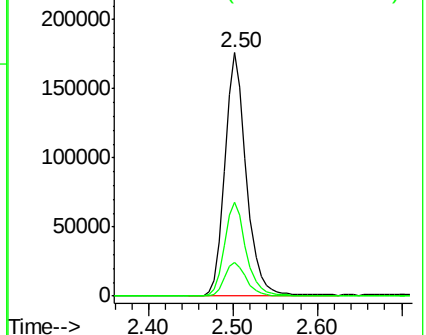
141 14.2 11.6 17.4

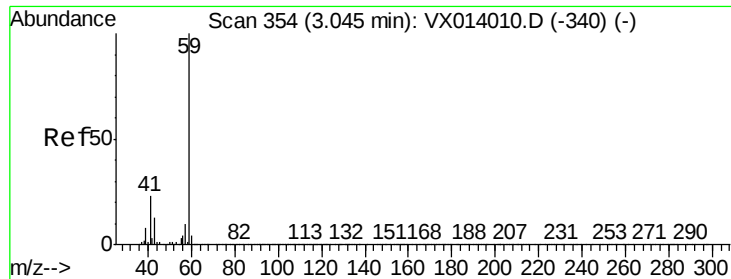


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



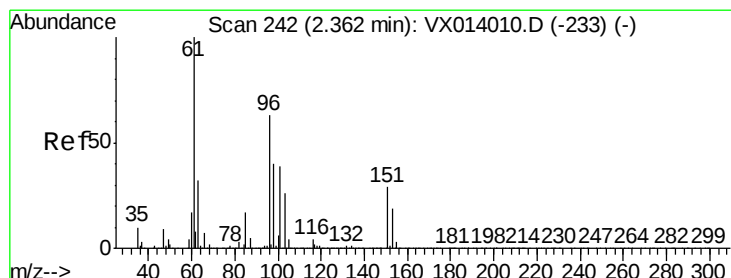
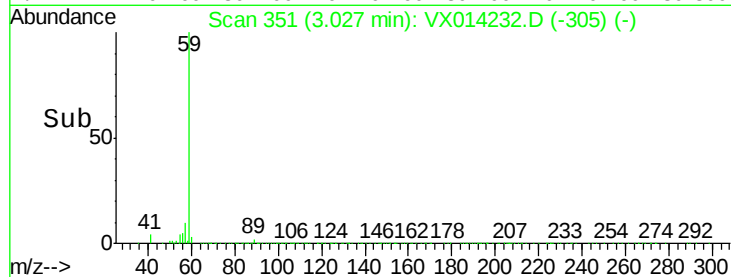
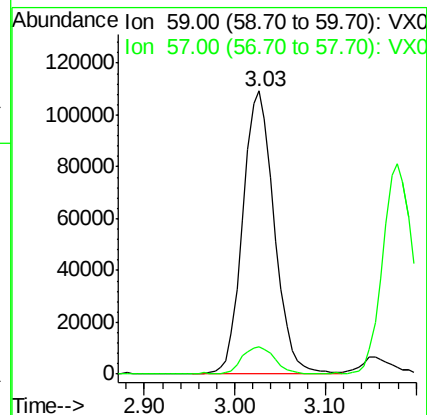
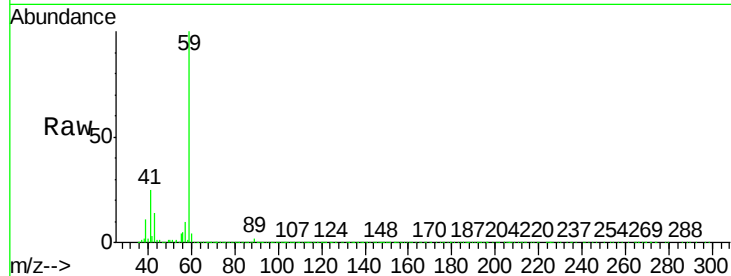


#11

Tert butyl alcohol
Concen: 198.251 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

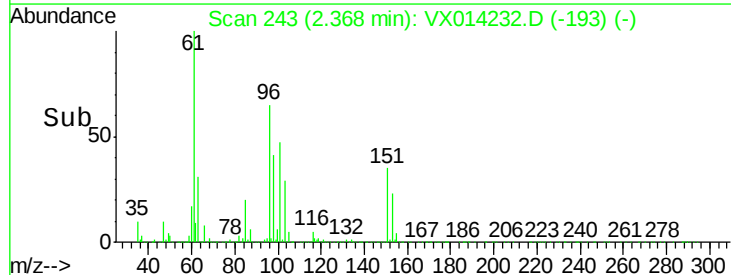
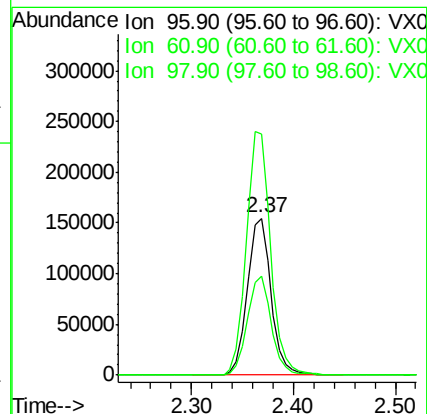
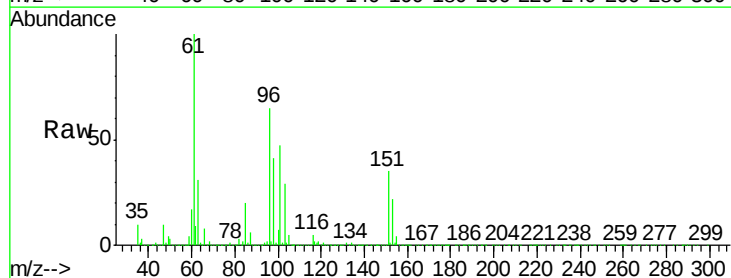
Tgt Ion: 59 Resp: 261209
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6

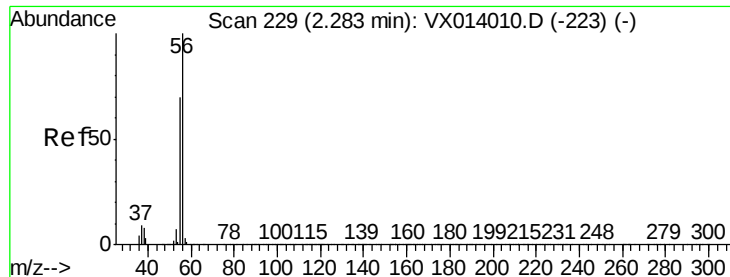


#12

1,1-Dichloroethene
Concen: 48.244 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 96 Resp: 249682
Ion Ratio Lower Upper
96 100
61 153.9 127.9 191.9
98 63.4 50.5 75.7





#13

Acrolein

Concen: 265.450 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

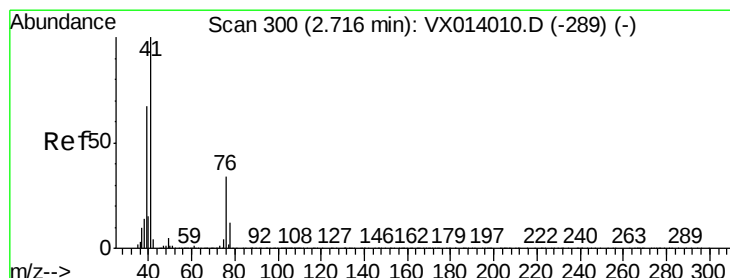
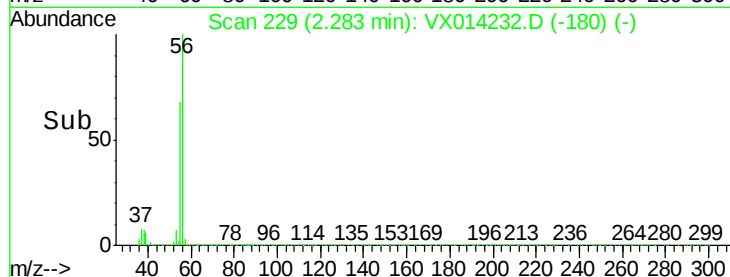
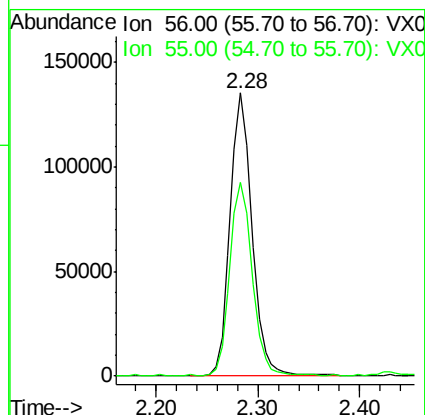
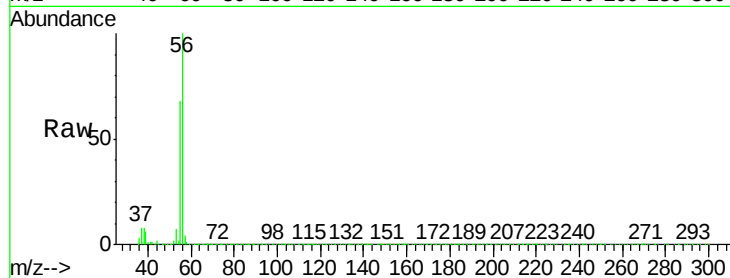
VSTDCCC050

Tgt Ion: 56 Resp: 200207

Ion Ratio Lower Upper

56 100

55 70.1 56.9 85.3



#14

Allyl chloride

Concen: 48.899 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

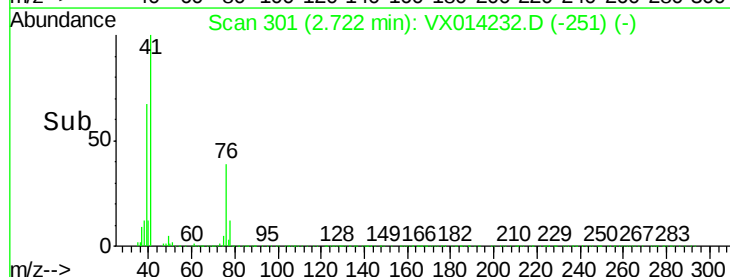
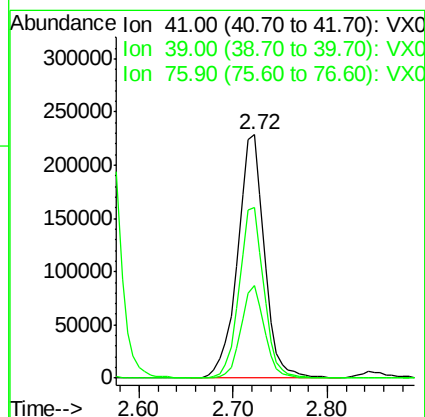
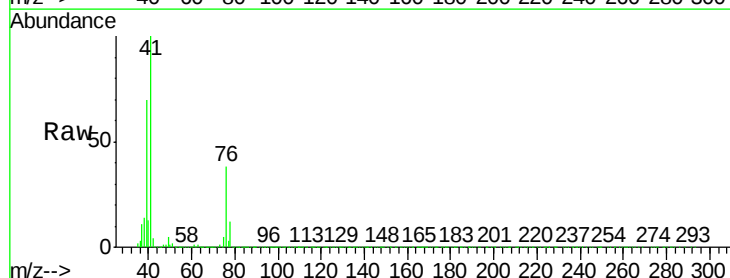
Tgt Ion: 41 Resp: 451854

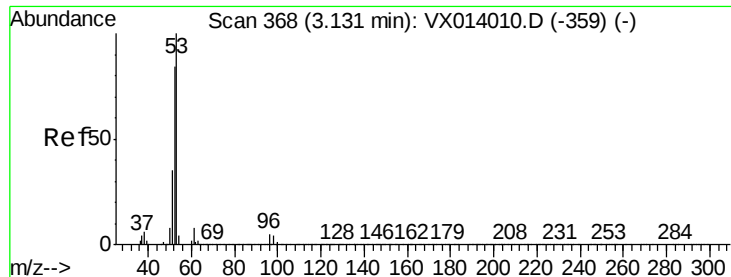
Ion Ratio Lower Upper

41 100

39 65.0 51.8 77.8

76 33.1 25.9 38.9





#15

Acrylonitrile

Concen: 233.411 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

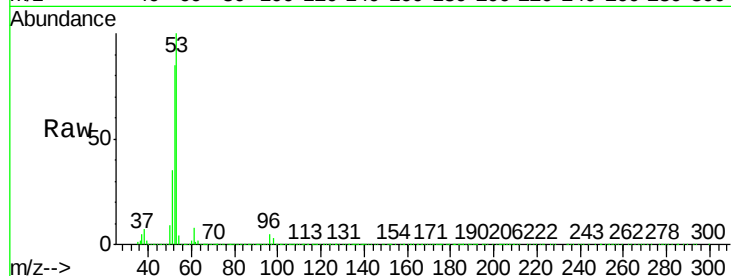
Tgt Ion: 53 Resp: 717807

Ion Ratio Lower Upper

53 100

52 83.2 66.5 99.7

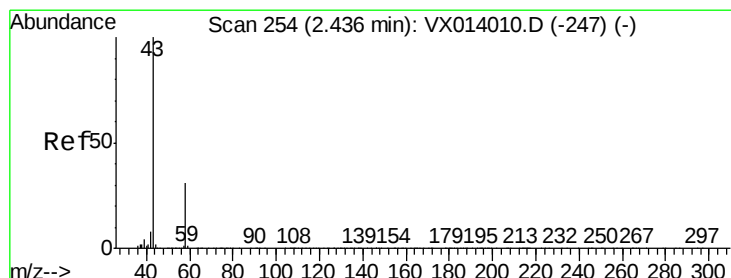
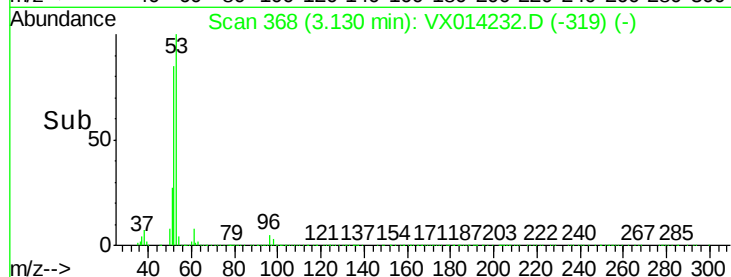
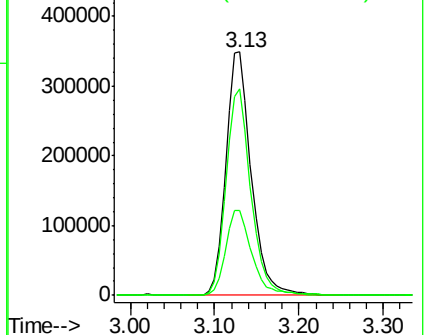
51 35.8 28.1 42.1



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: 216.138 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014232.D

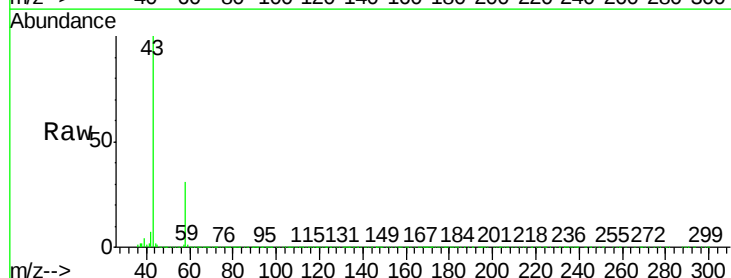
Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 855627

Ion Ratio Lower Upper

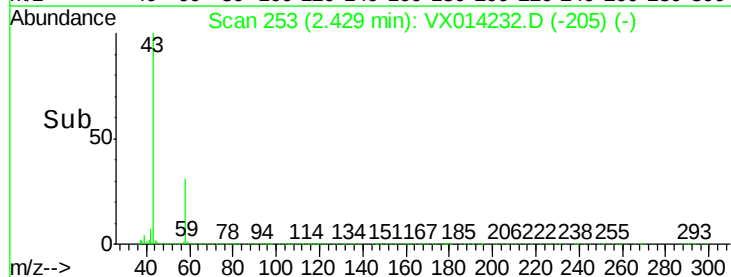
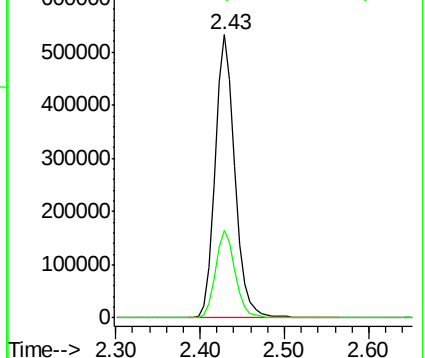
43 100

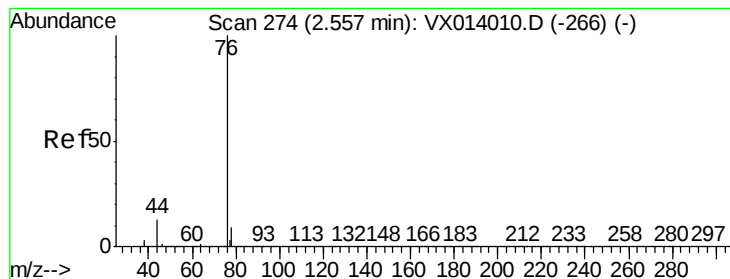
58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.874 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

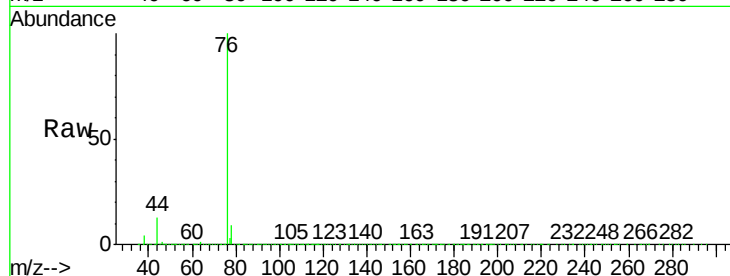
VSTDCCC050

Tgt Ion: 76 Resp: 643618

Ion Ratio Lower Upper

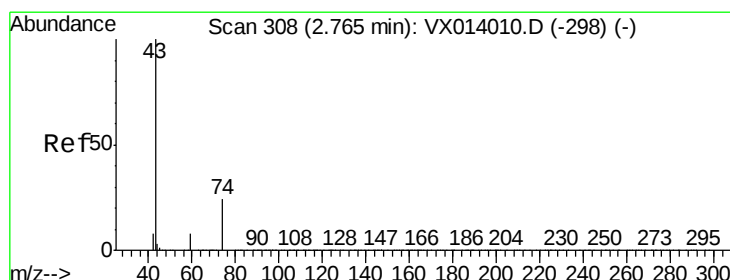
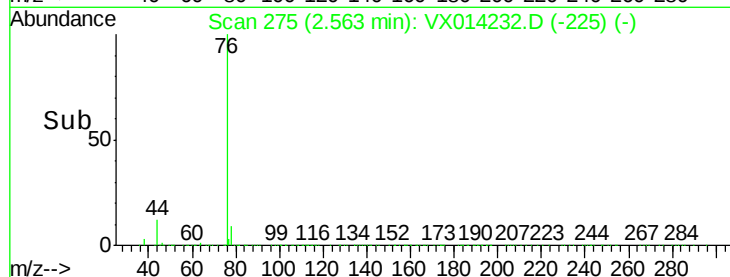
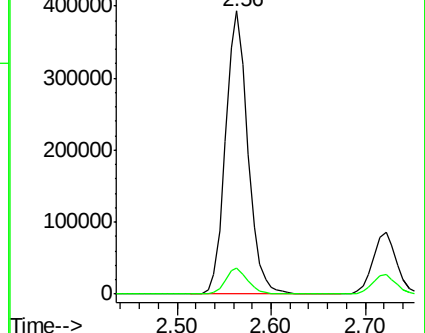
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 46.371 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014232.D

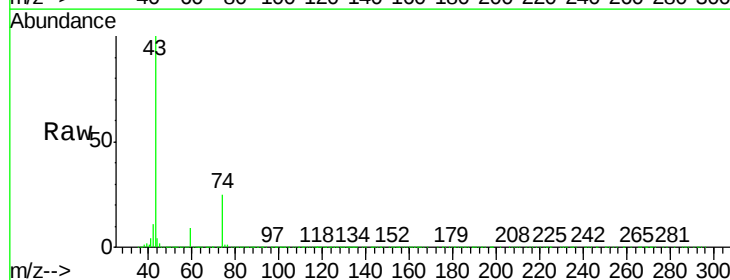
Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 363750

Ion Ratio Lower Upper

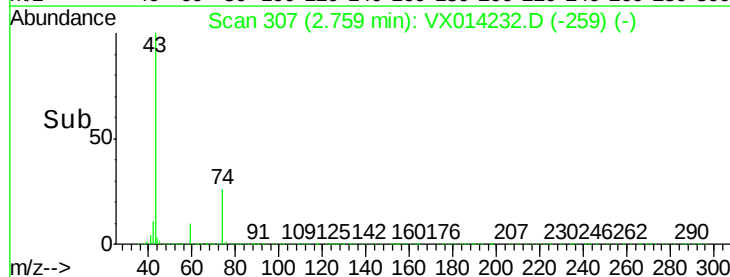
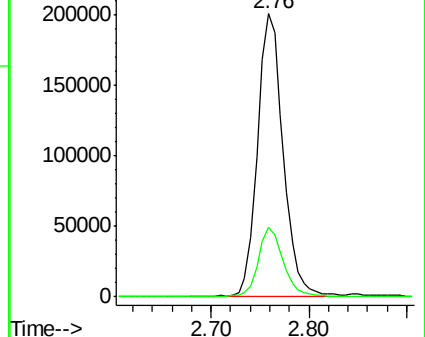
43 100

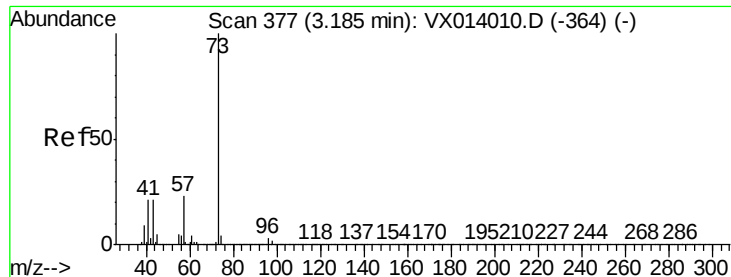
74 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 49.405 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

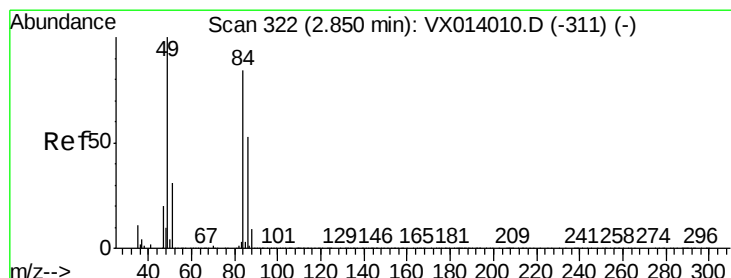
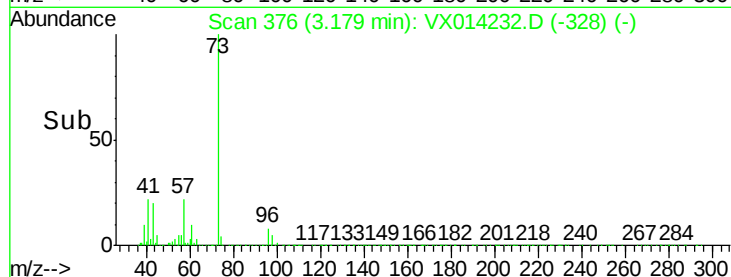
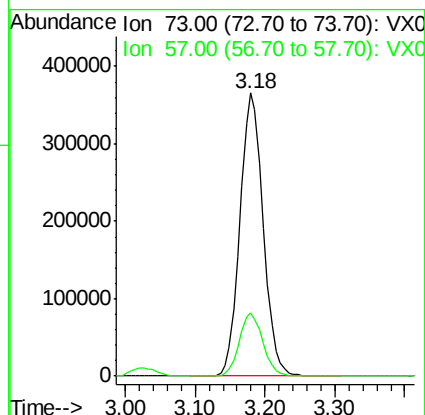
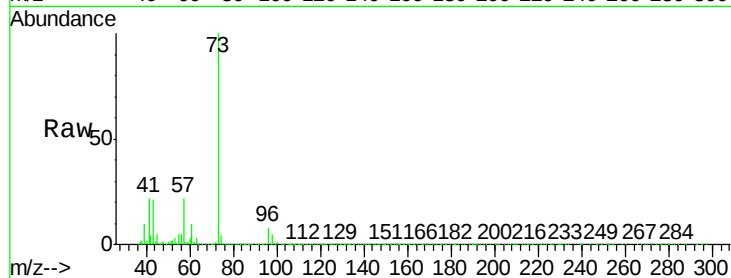
VSTDCCC050

Tgt Ion: 73 Resp: 840210

Ion Ratio Lower Upper

73 100

57 22.2 18.8 28.2



#20

Methylene Chloride

Concen: 46.415 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Tgt Ion: 84 Resp: 289346

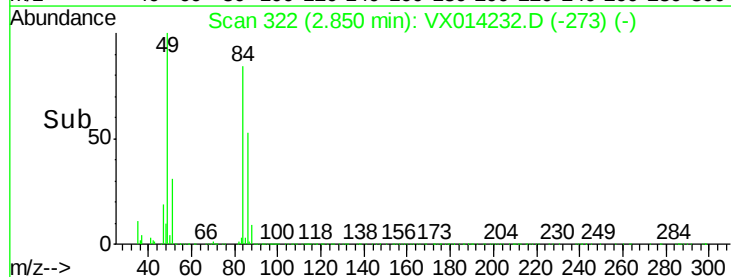
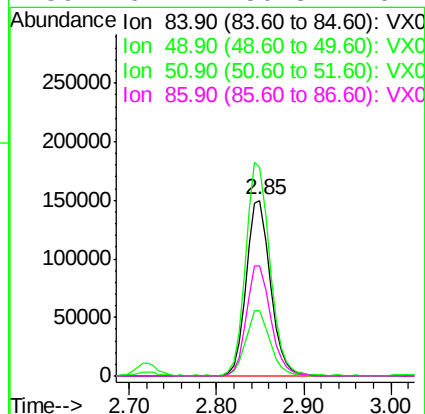
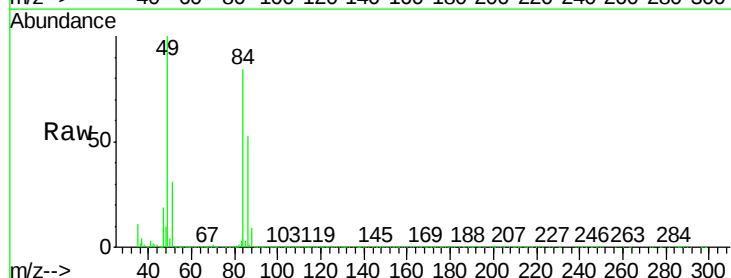
Ion Ratio Lower Upper

84 100

49 118.7 95.8 143.6

51 36.7 29.8 44.8

86 62.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 47.123 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

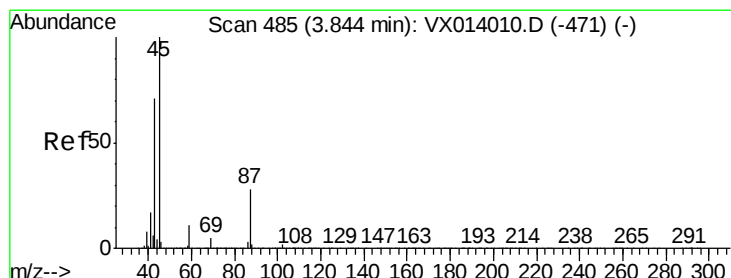
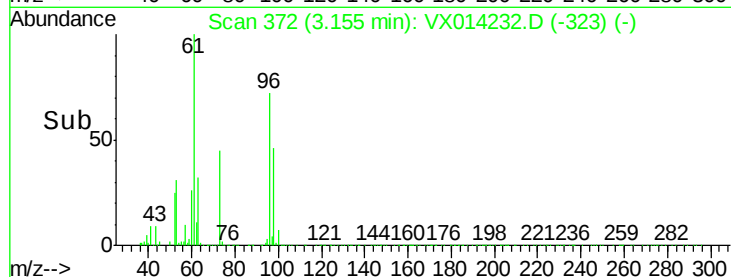
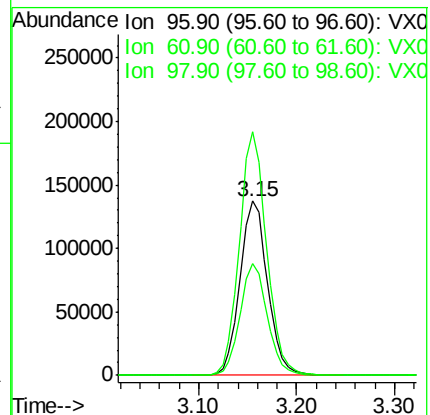
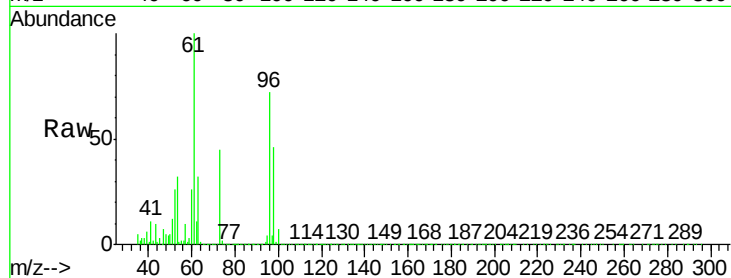
Tgt Ion: 96 Resp: 268679

Ion Ratio Lower Upper

96 100

61 139.8 108.3 162.5

98 64.3 50.8 76.2



#22

Diisopropyl ether

Concen: 50.587 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Tgt Ion: 45 Resp: 931509

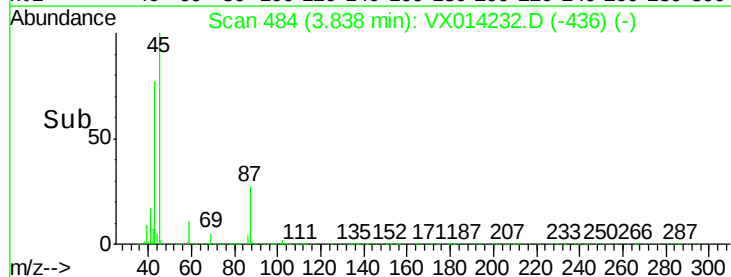
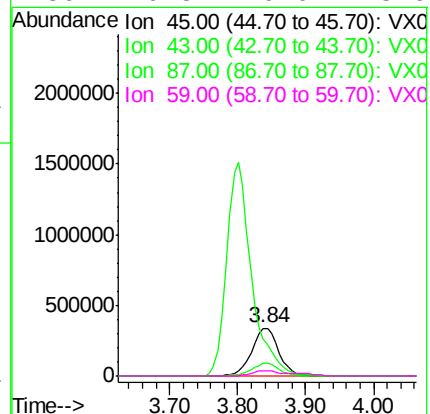
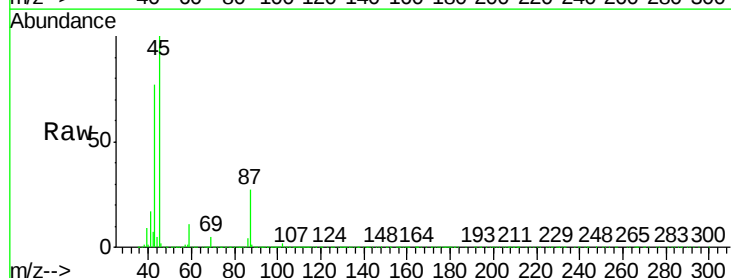
Ion Ratio Lower Upper

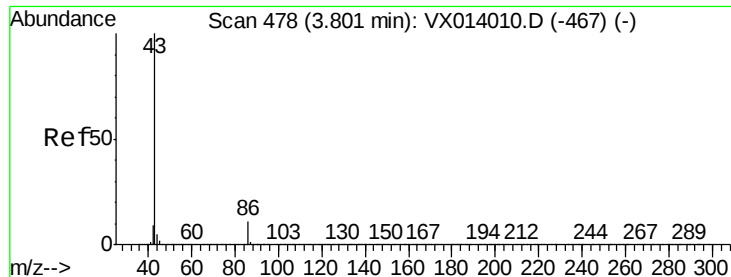
45 100

43 77.3 57.4 86.0

87 26.6 21.9 32.9

59 10.8 9.0 13.6





#23

Vinyl Acetate

Concen: 256.599 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

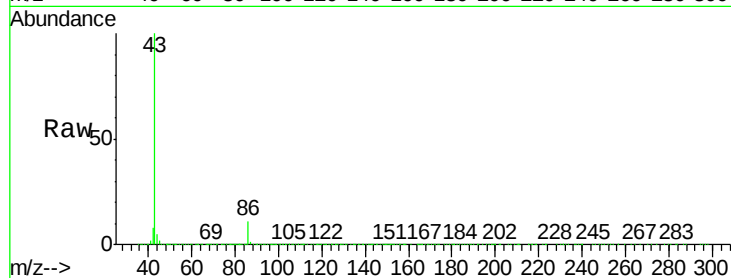
VSTDCCC050

Tgt Ion: 43 Resp: 3855874

Ion Ratio Lower Upper

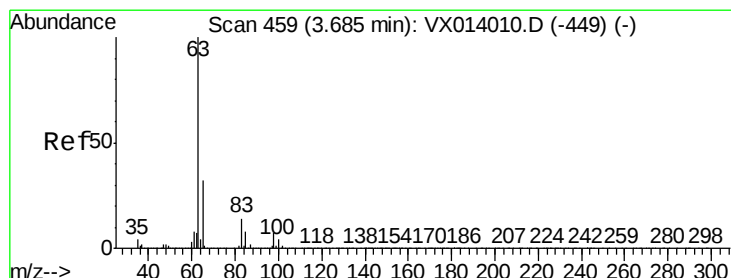
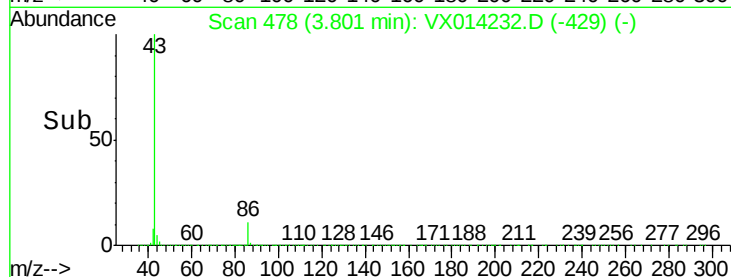
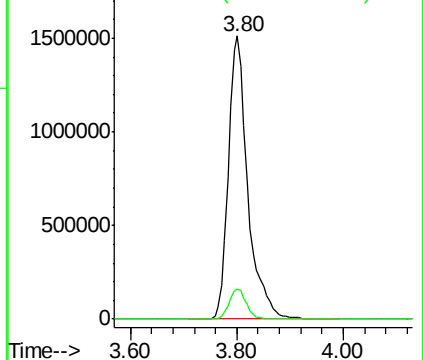
43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.509 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

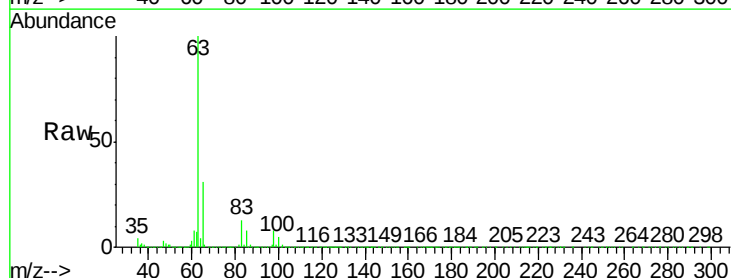
Tgt Ion: 63 Resp: 496965

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

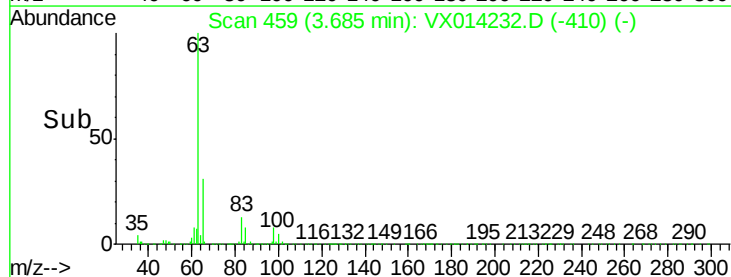
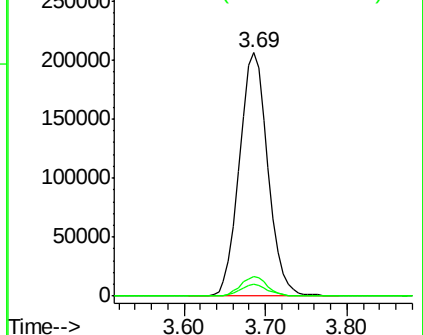
100 4.7 2.3 6.8

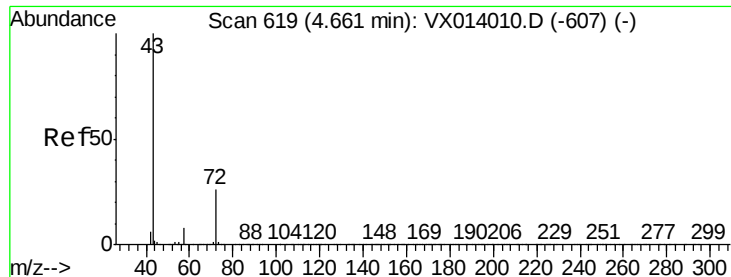


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 231.727 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

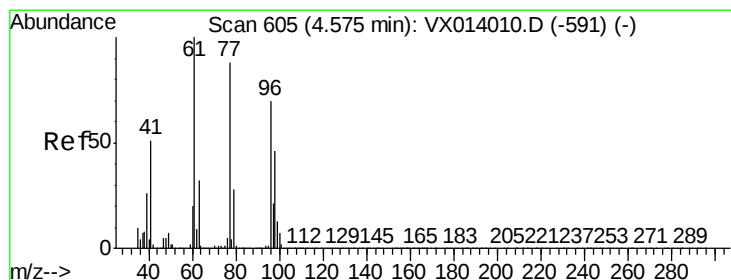
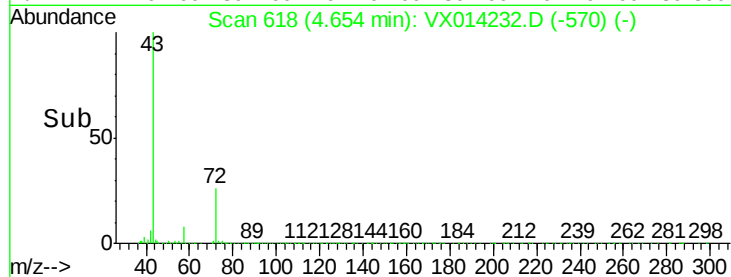
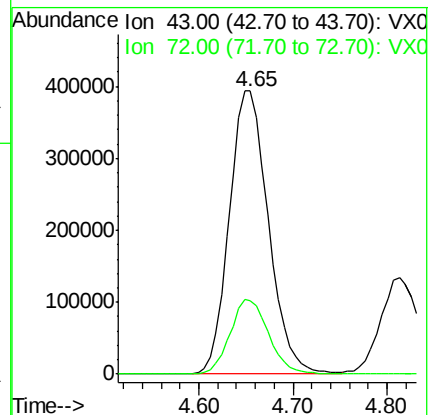
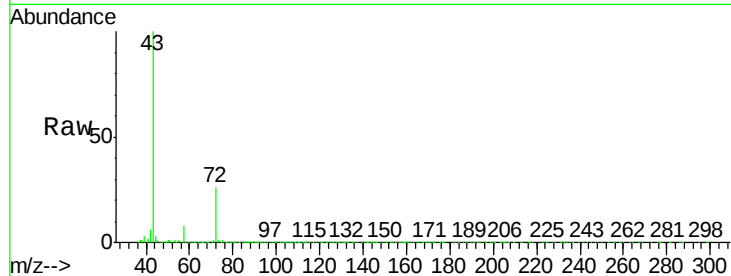
VSTDCCC050

Tgt Ion: 43 Resp: 1130972

Ion Ratio Lower Upper

43 100

72 25.9 21.0 31.4



#26

2,2-Dichloropropane

Concen: 50.083 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014232.D

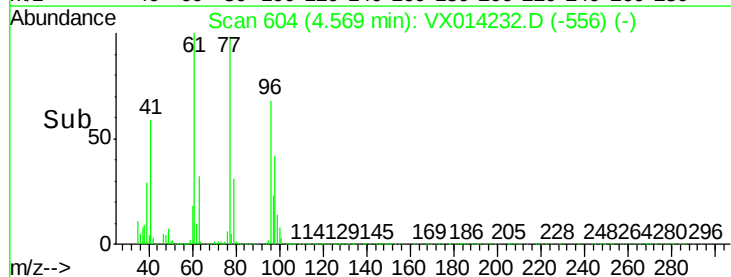
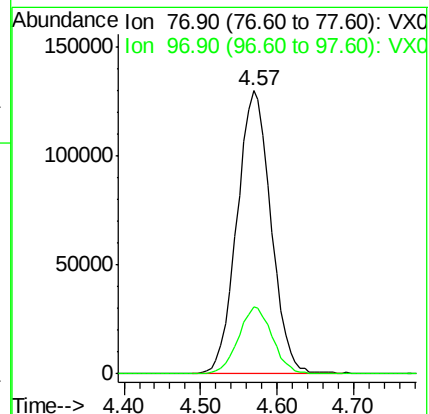
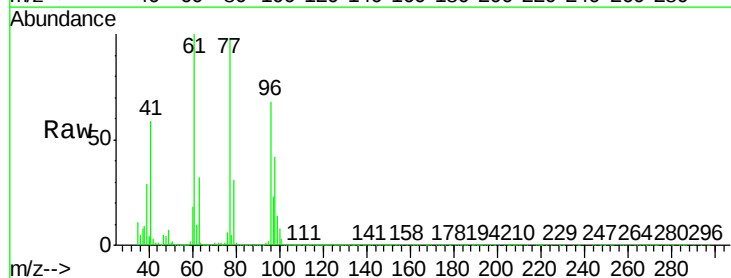
Acq: 24 Dec 2019 09:28

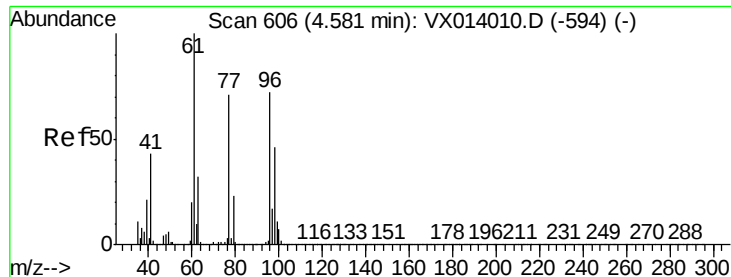
Tgt Ion: 77 Resp: 398373

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



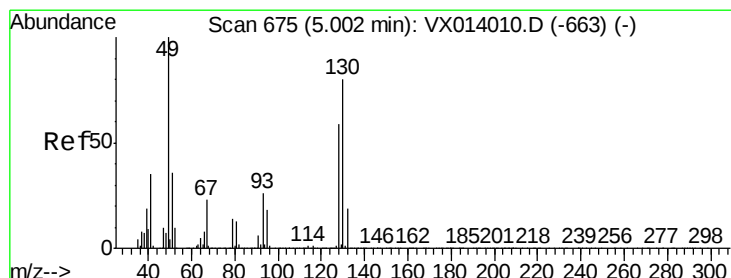
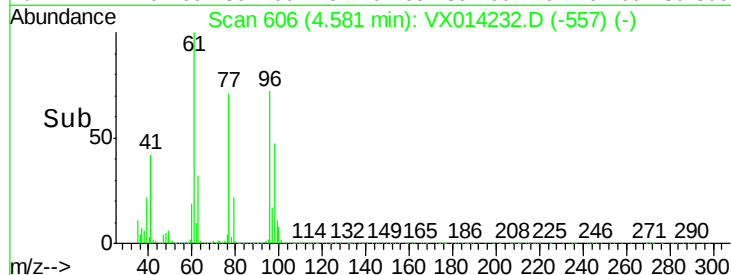
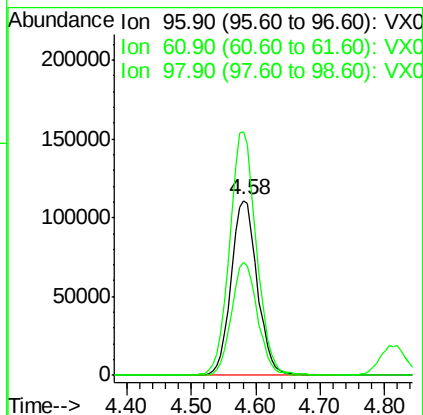
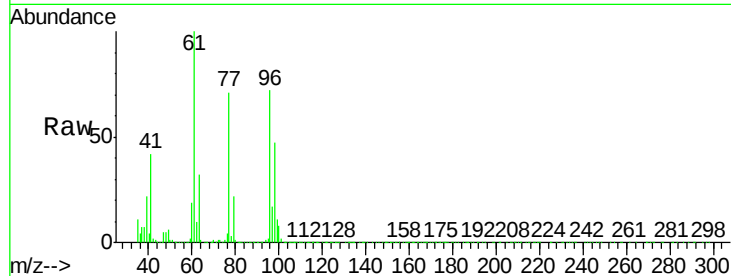


#27

cis-1,2-Dichloroethene
Concen: 48.604 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

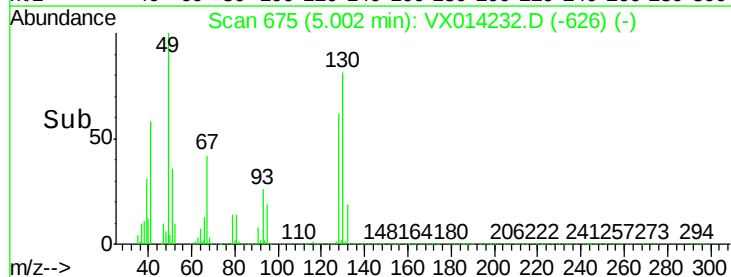
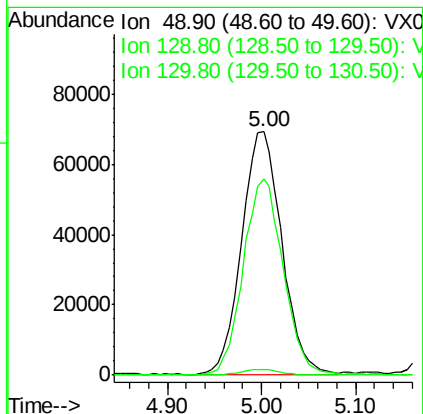
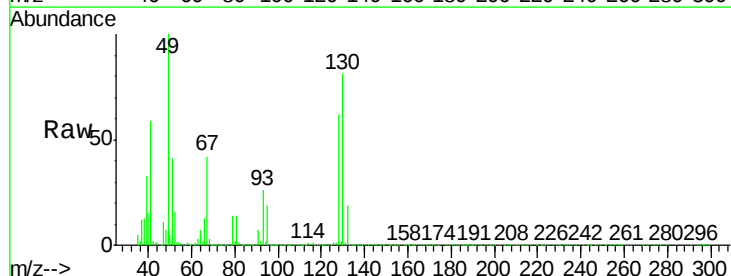
Tgt Ion: 96 Resp: 313411
Ion Ratio Lower Upper
96 100
61 143.5 0.0 288.4
98 64.3 0.0 129.6

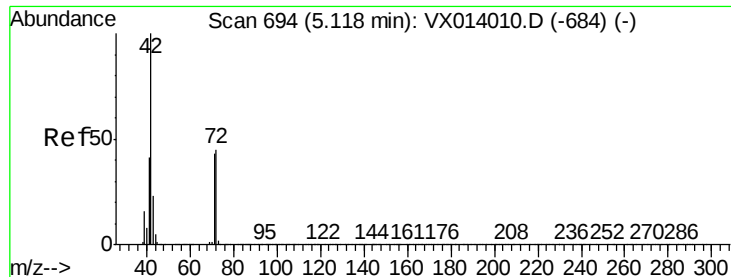


#28

Bromochloromethane
Concen: 52.389 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 49 Resp: 206498
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.0
130 80.4 64.6 97.0





#29

Tetrahydrofuran

Concen: 231.254 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

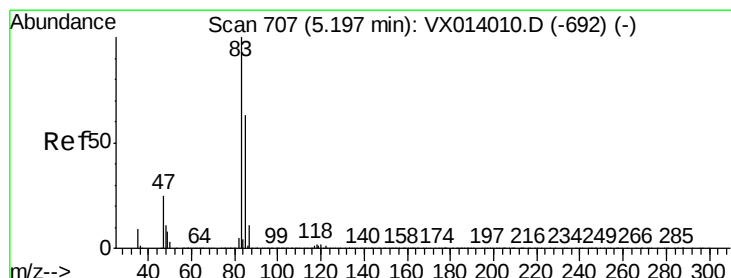
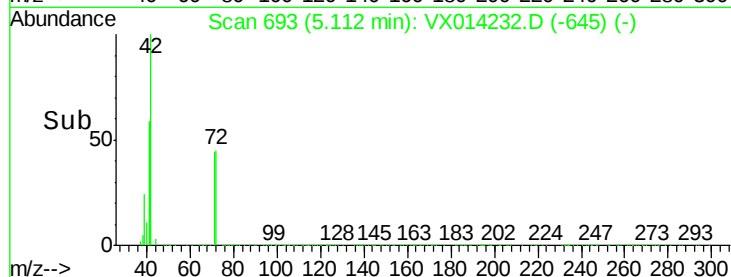
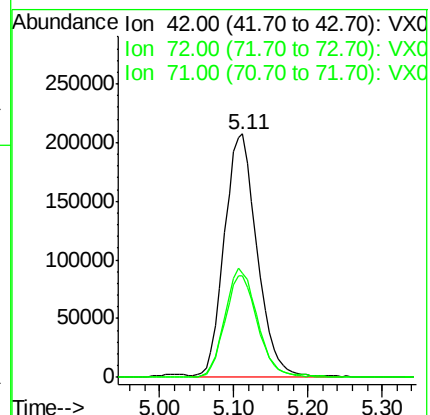
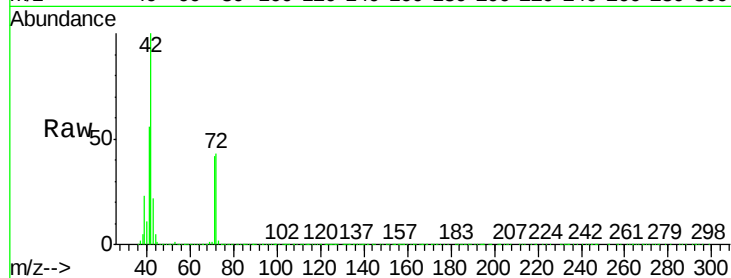
Tgt Ion: 42 Resp: 631288

Ion Ratio Lower Upper

42 100

72 45.0 35.8 53.8

71 41.9 33.6 50.4



#30

Chloroform

Concen: 49.487 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014232.D

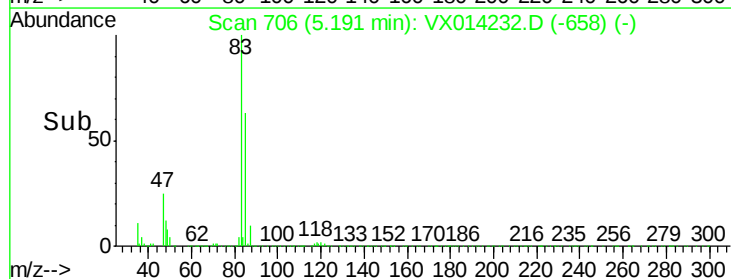
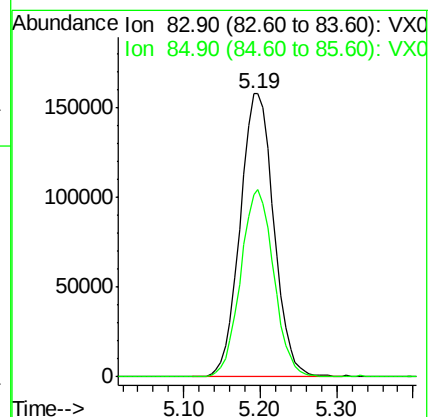
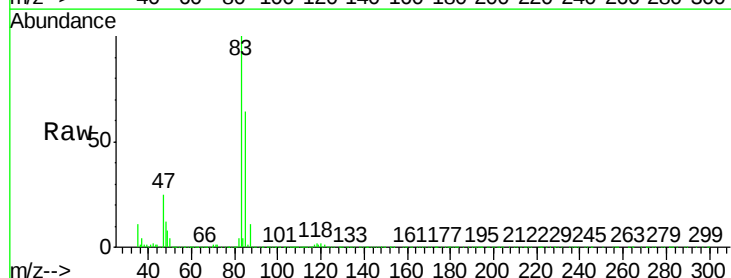
Acq: 24 Dec 2019 09:28

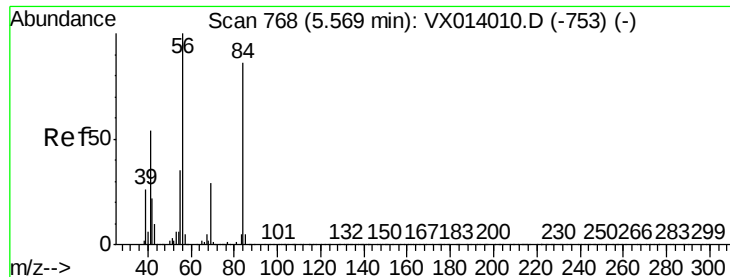
Tgt Ion: 83 Resp: 480612

Ion Ratio Lower Upper

83 100

85 64.1 50.8 76.2

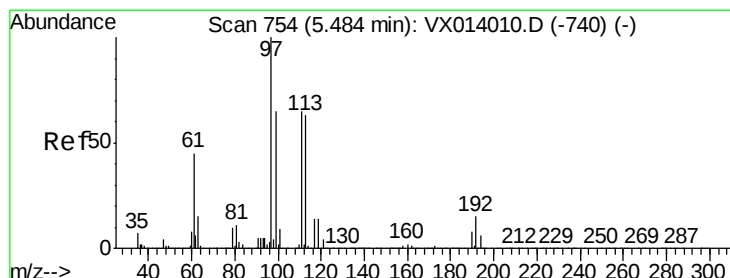
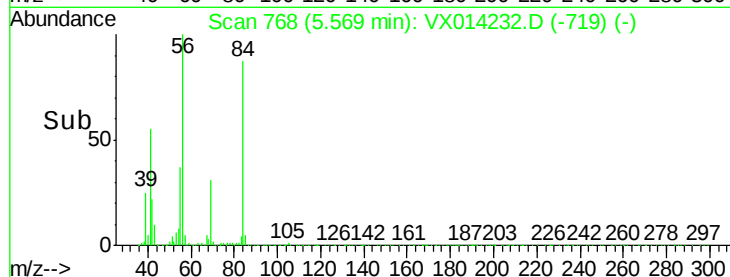
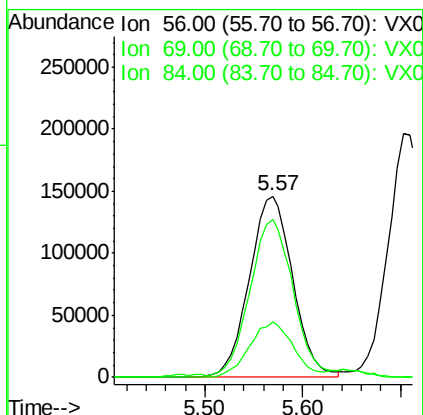
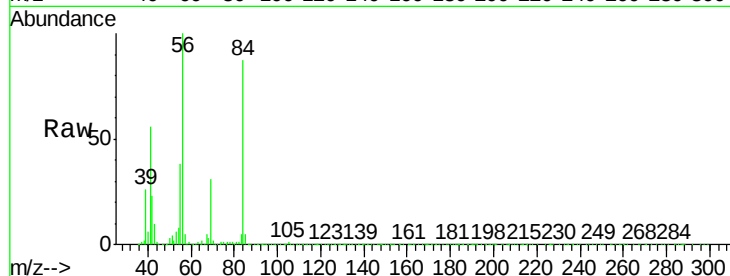




#31
Cyclohexane
Concen: 49.184 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

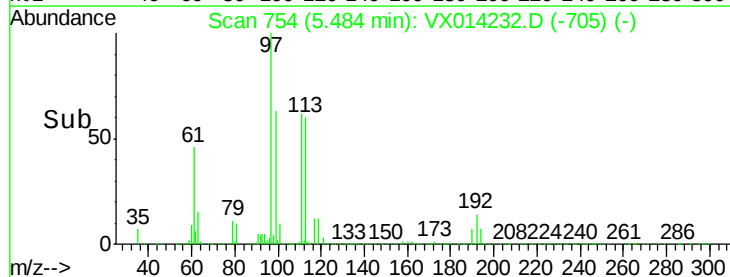
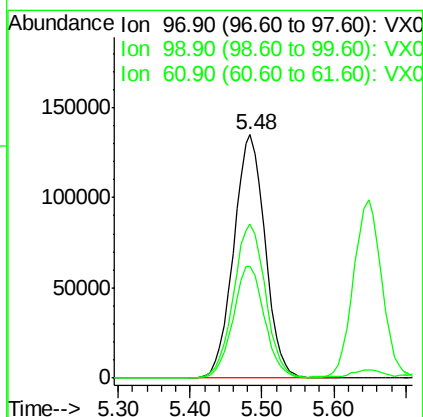
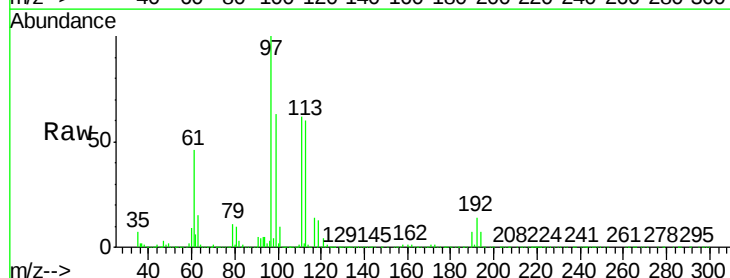
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 448148
Ion Ratio Lower Upper
56 100
69 30.6 23.2 34.8
84 85.7 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 49.320 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 97 Resp: 408230
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 46.0 36.7 55.1





#33

1,2-Dichloroethane-d4

Concen: 45.496 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

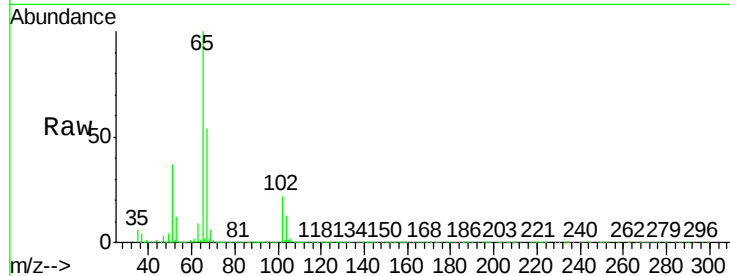
VSTDCCC050

Tgt Ion: 65 Resp: 277420

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

120000

100000

80000

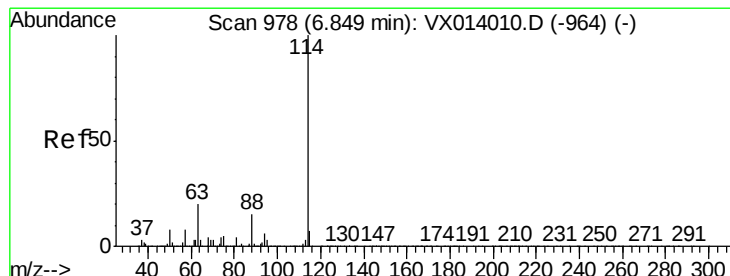
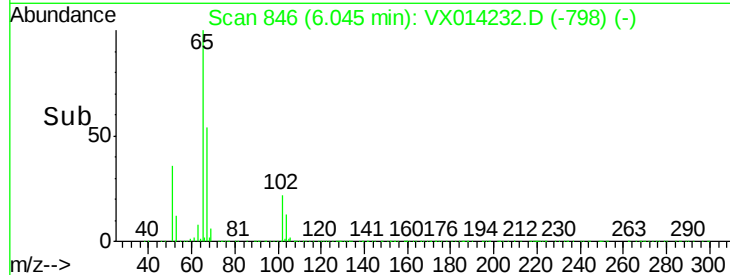
60000

40000

20000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

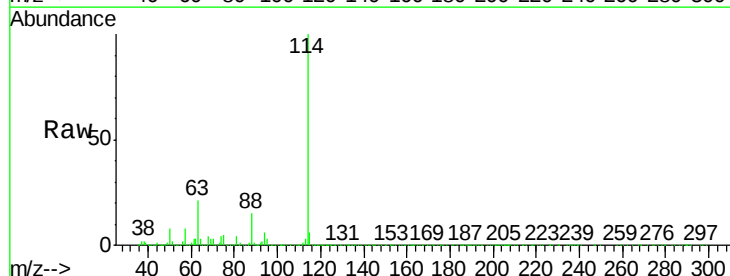
Tgt Ion: 114 Resp: 799944

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

400000

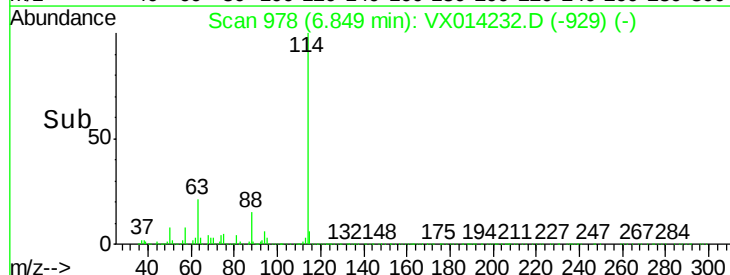
300000

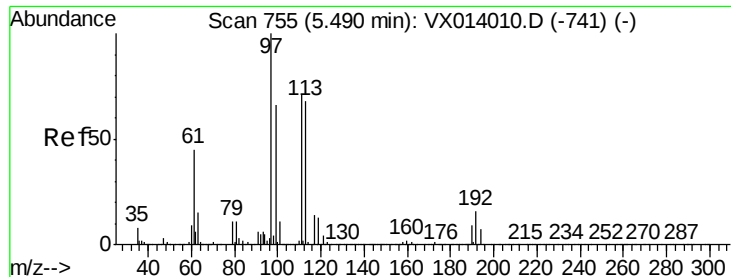
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.057 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

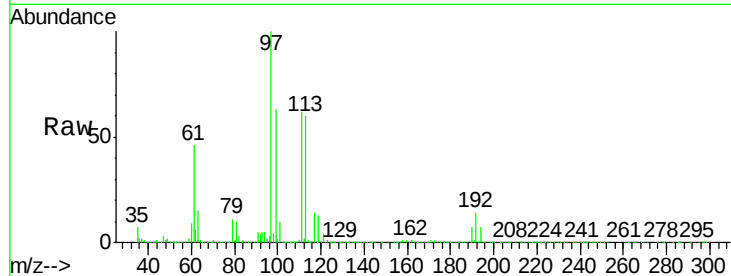
Tgt Ion:113 Resp: 233691

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

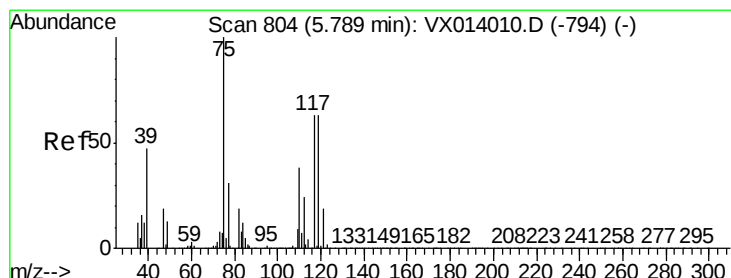
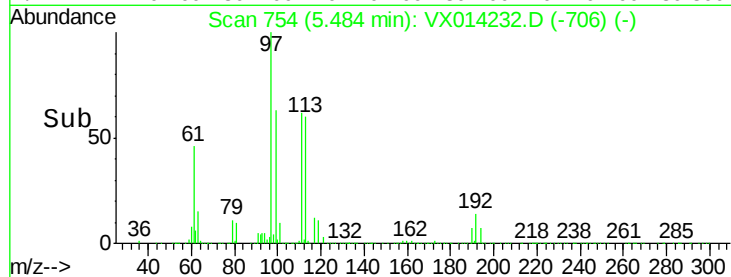
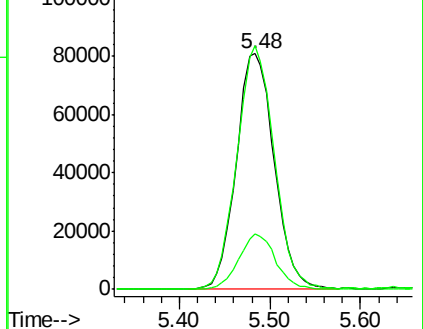
192 22.8 19.3 28.9



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: 50.277 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

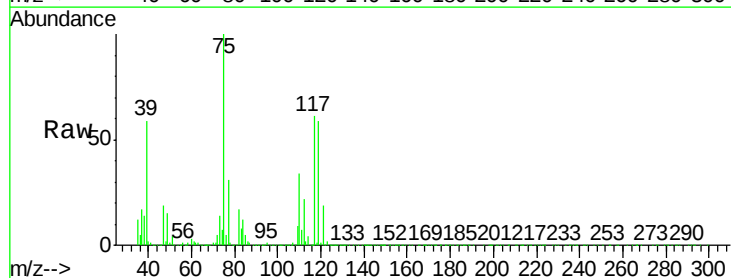
Tgt Ion: 75 Resp: 369030

Ion Ratio Lower Upper

75 100

110 36.9 18.3 54.9

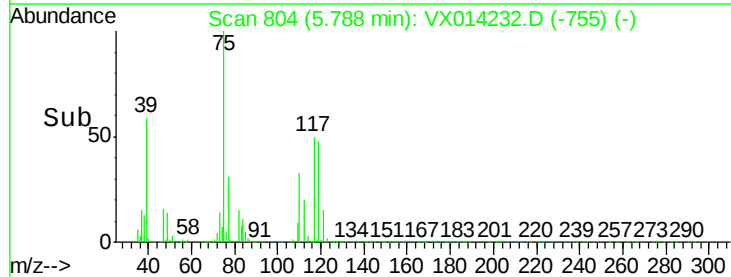
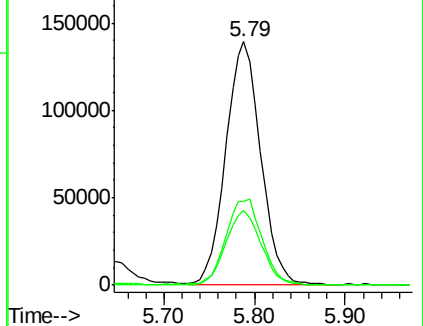
77 30.8 24.8 37.2

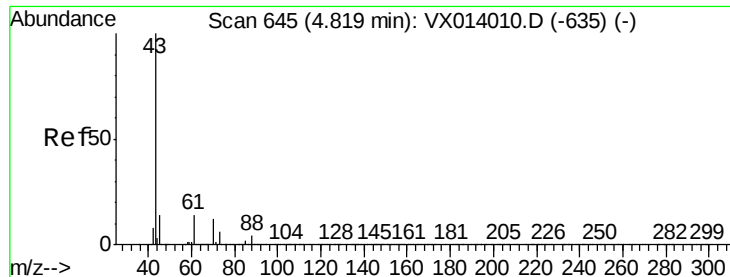


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

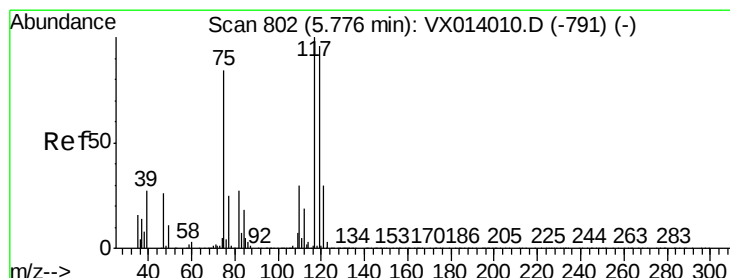
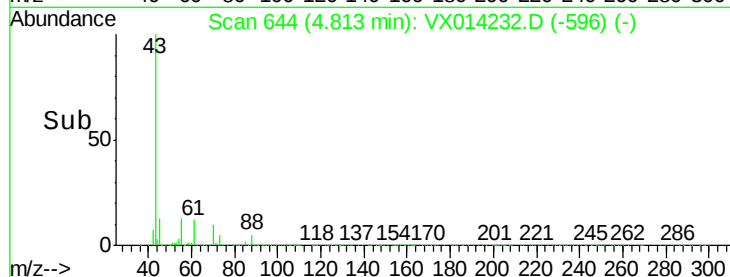
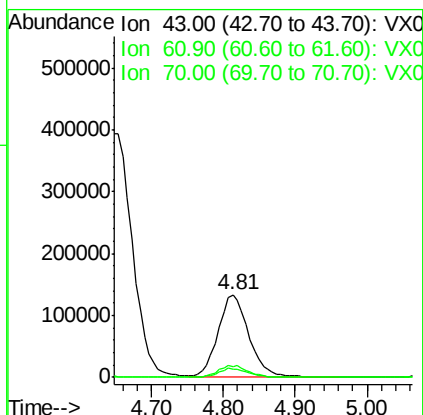
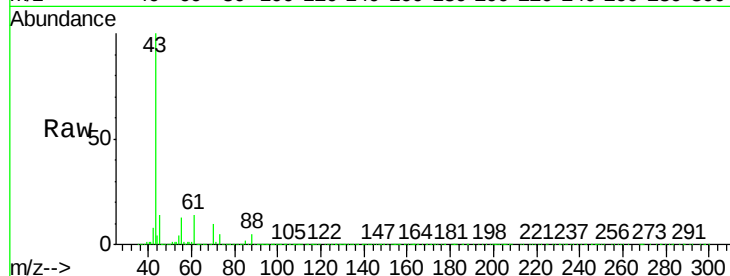




#37
Ethyl Acetate
Concen: 48.344 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

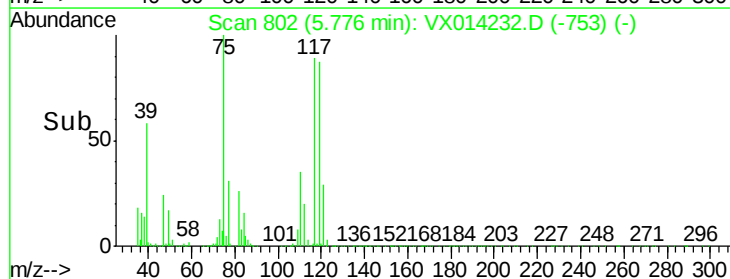
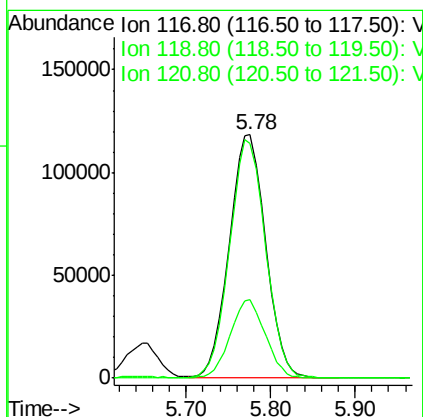
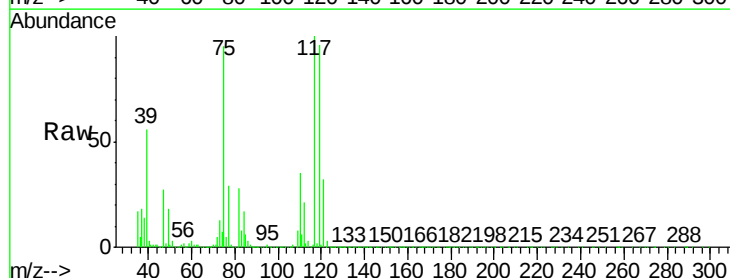
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

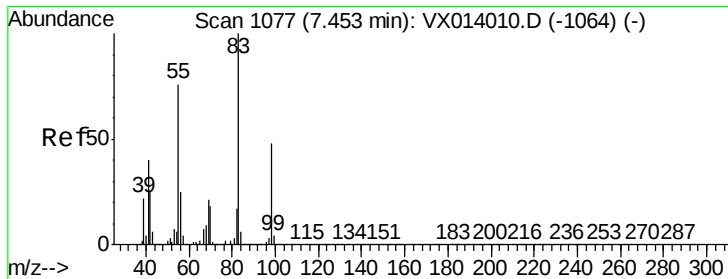
Tgt Ion: 43 Resp: 391846
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 10.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 51.657 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 117 Resp: 345407
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4
121 32.0 23.6 35.4

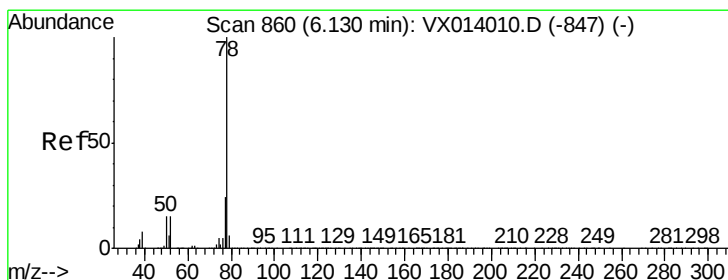
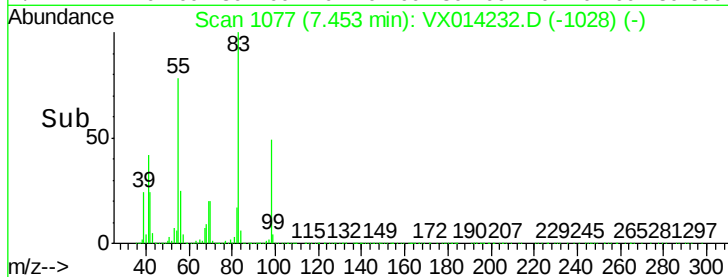
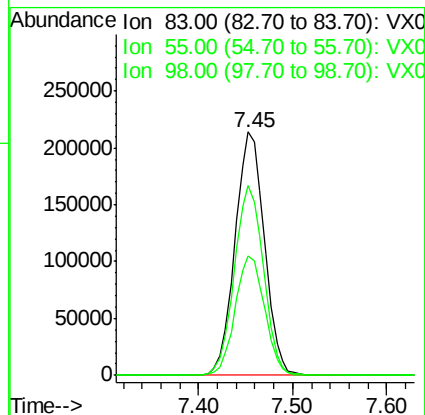
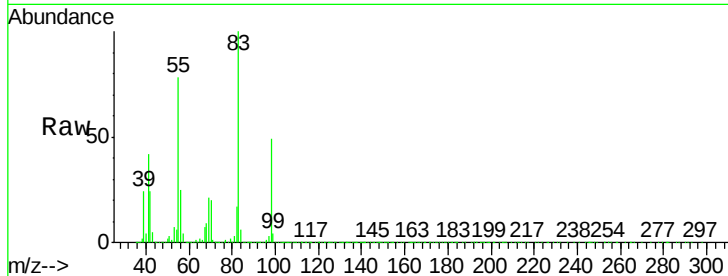




#39
Methylcyclohexane
Concen: 51.029 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

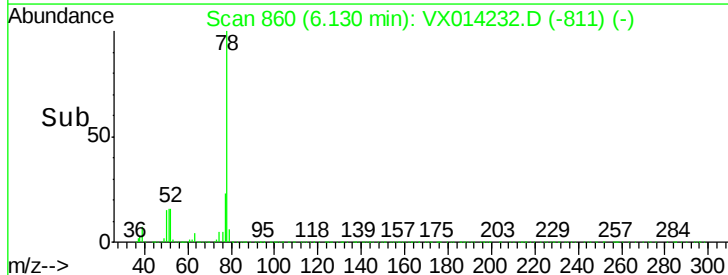
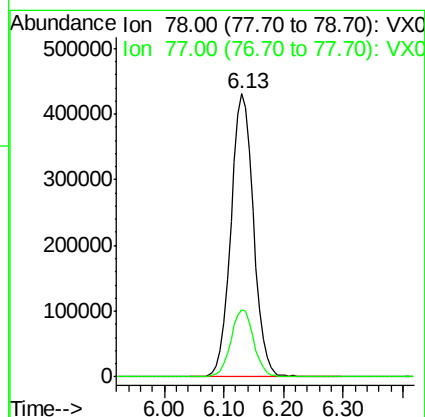
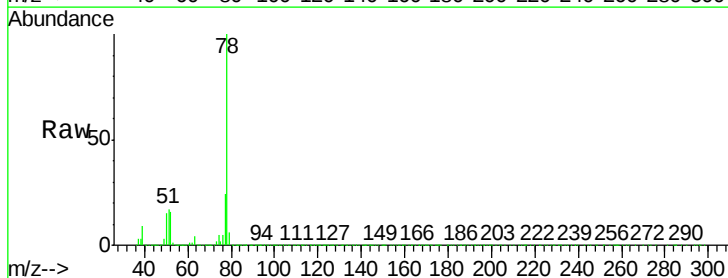
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

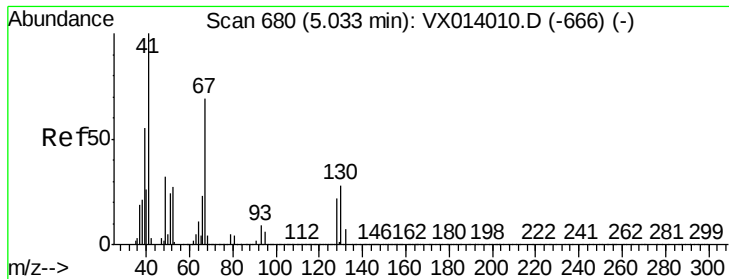
Tgt Ion: 83 Resp: 462479
Ion Ratio Lower Upper
83 100
55 78.0 61.0 91.6
98 48.8 38.6 57.8



#40
Benzene
Concen: 50.116 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 78 Resp: 1131829
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

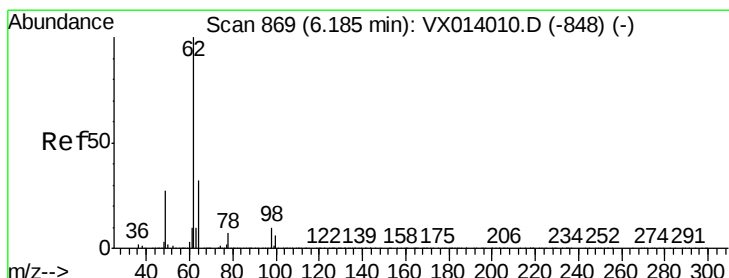
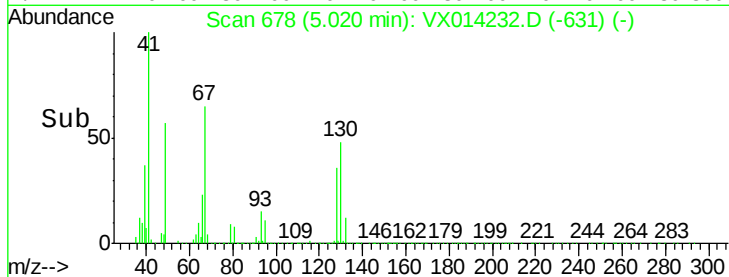
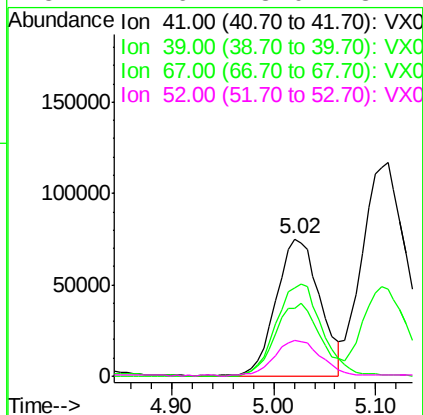
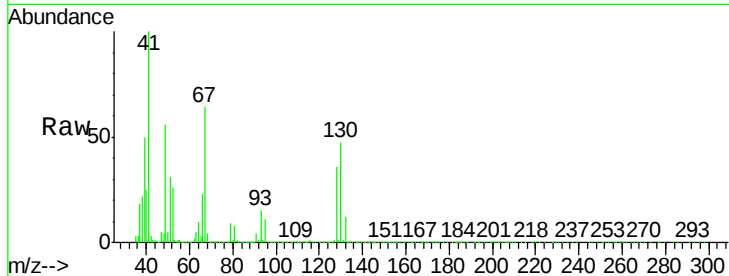




#41
Methacrylonitrile
Concen: 49.572 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

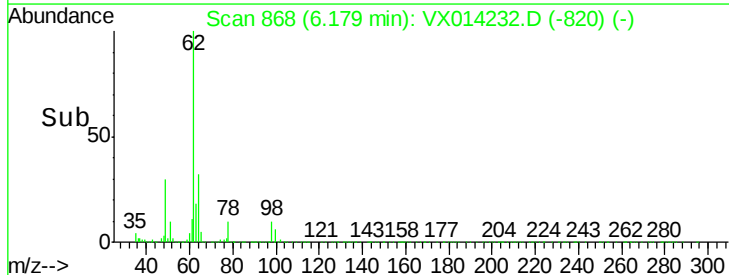
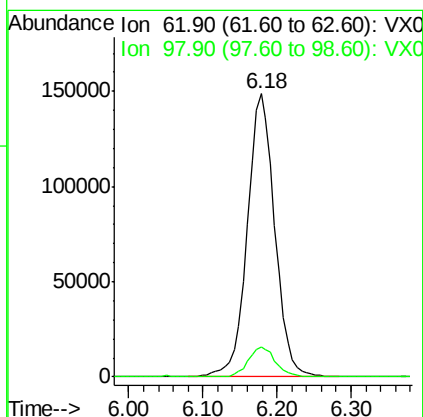
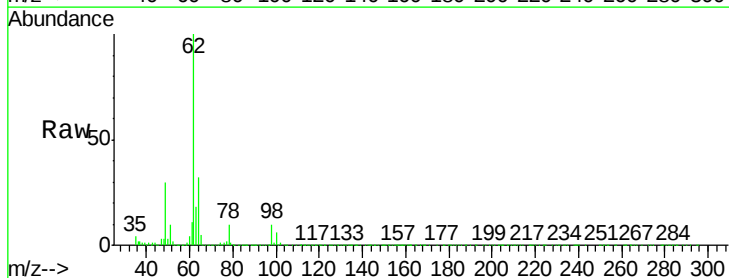
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

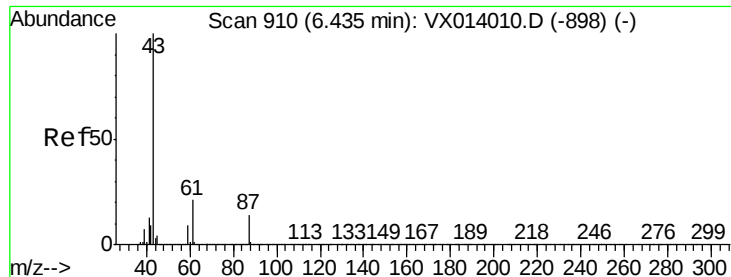
Tgt Ion:	41	Resp:	222938
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.5	66.7
67	70.4	57.4	86.0
52	27.6	23.0	34.4



#42
1,2-Dichloroethane
Concen: 49.977 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion:	62	Resp:	382596
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 49.498 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

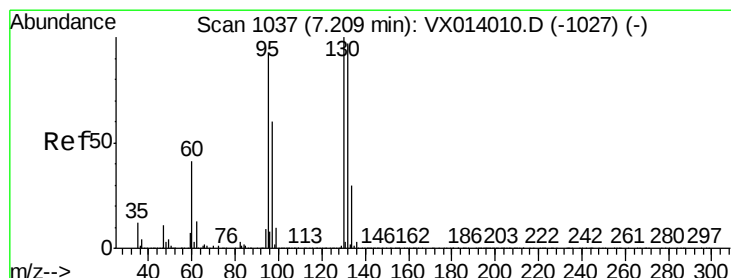
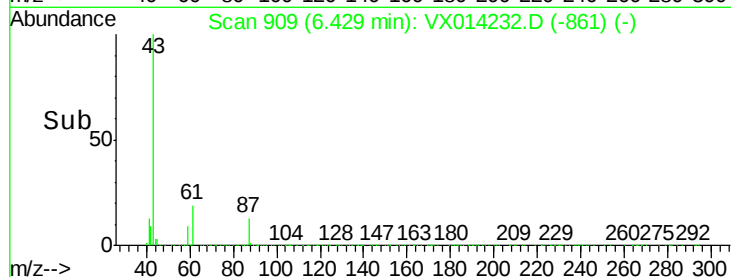
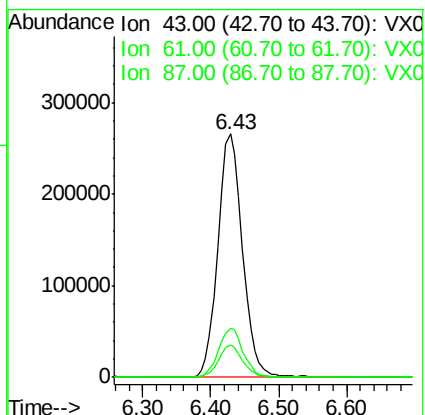
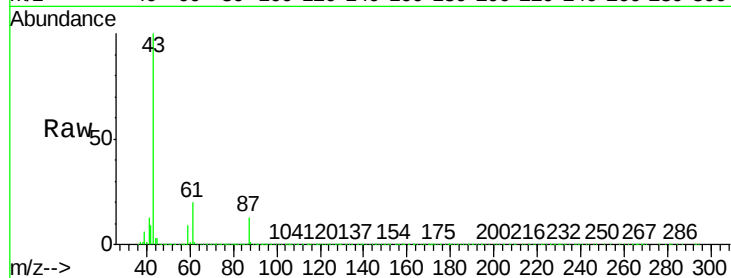
Tgt Ion: 43 Resp: 663961

Ion Ratio Lower Upper

43 100

61 20.1 16.4 24.6

87 12.9 10.7 16.1



#44

Trichloroethene

Concen: 49.560 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014232.D

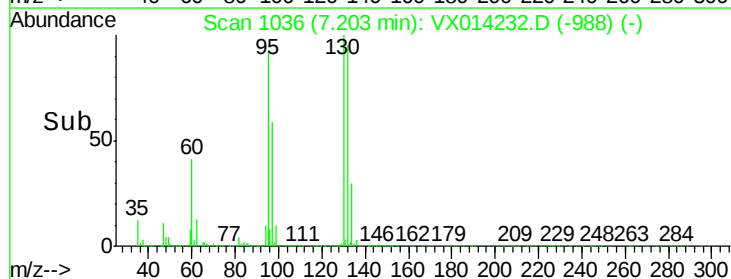
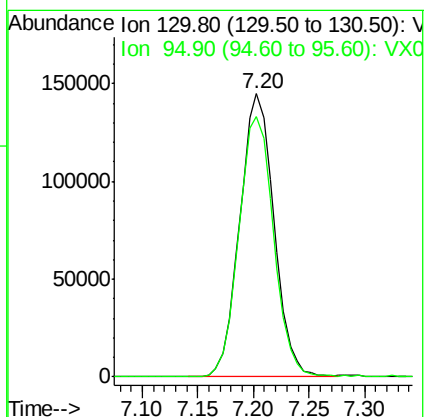
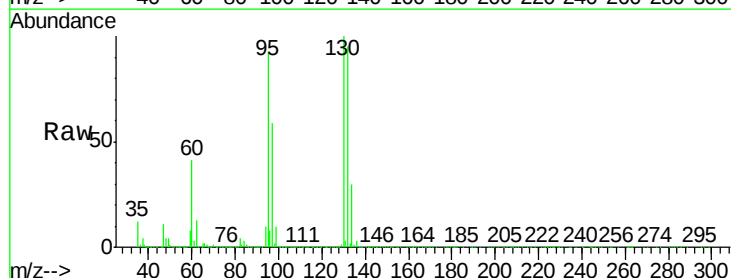
Acq: 24 Dec 2019 09:28

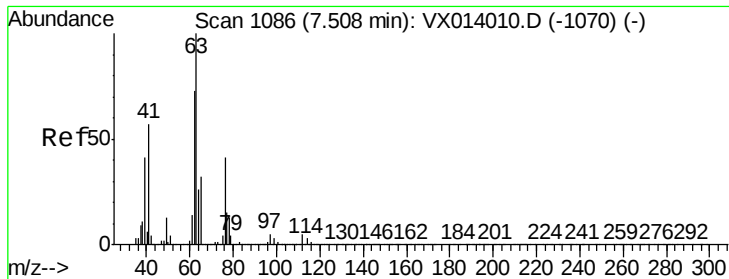
Tgt Ion: 130 Resp: 309152

Ion Ratio Lower Upper

130 100

95 91.7 0.0 185.6

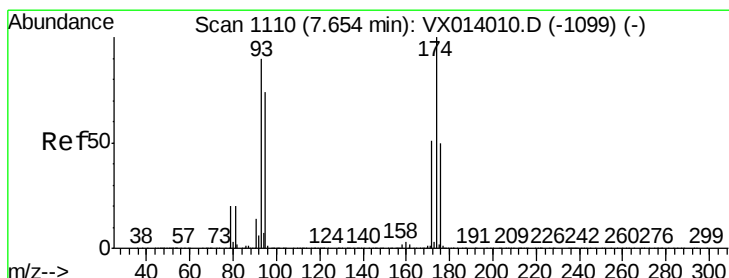
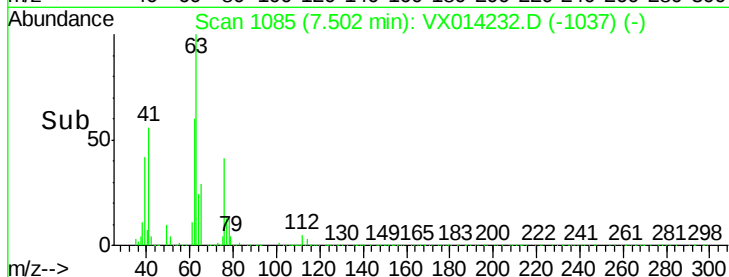
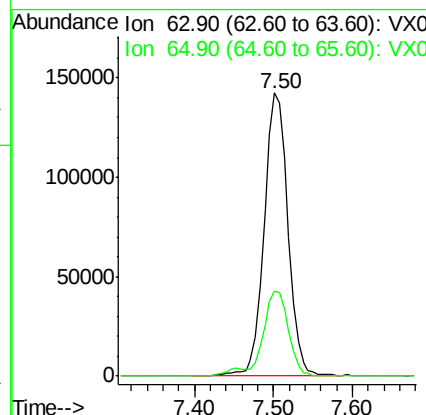
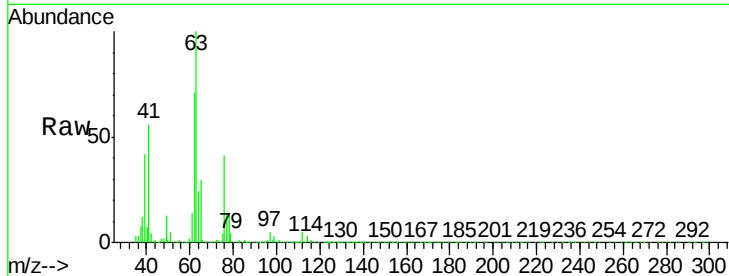




#45
 1,2-Dichloropropane
 Concen: 51.571 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

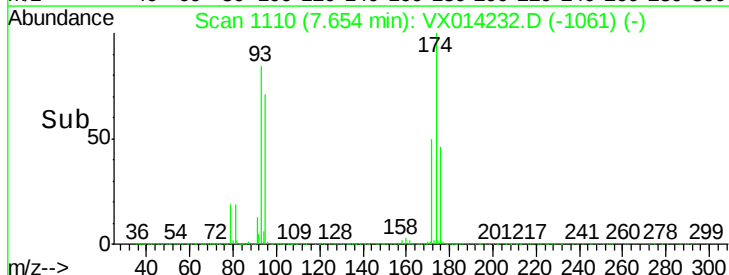
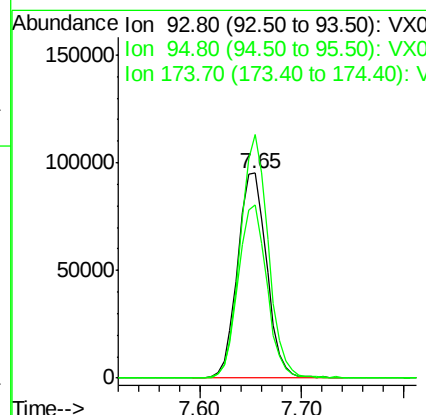
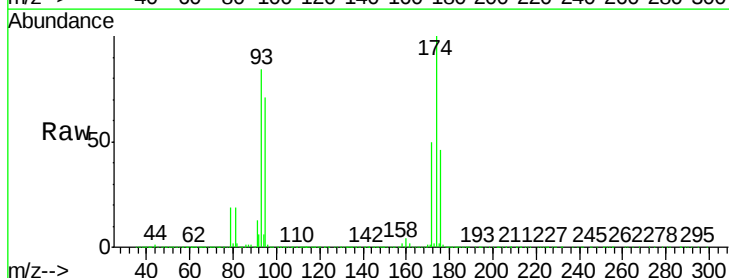
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

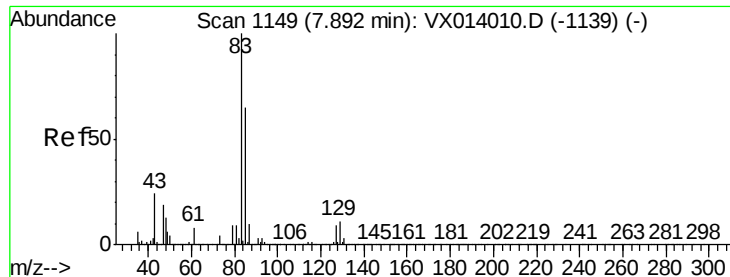
Tgt Ion: 63 Resp: 298522
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.8 38.8



#46
 Dibromomethane
 Concen: 49.209 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 93 Resp: 188328
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.3 100.9
 174 113.7 91.6 137.4





#47

Bromodichloromethane

Concen: 52.450 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

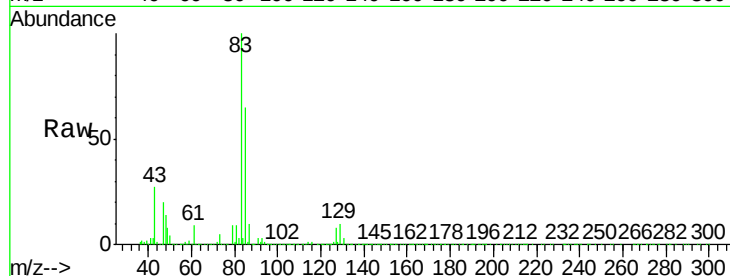
Tgt Ion: 83 Resp: 378043

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.8

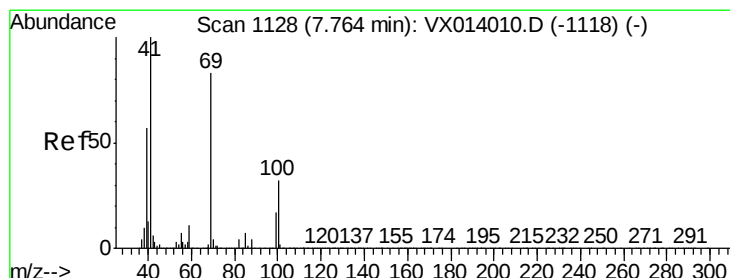
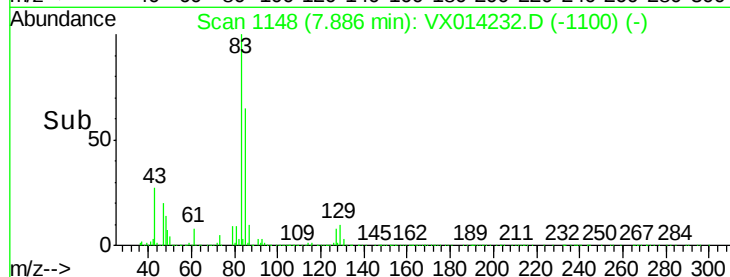
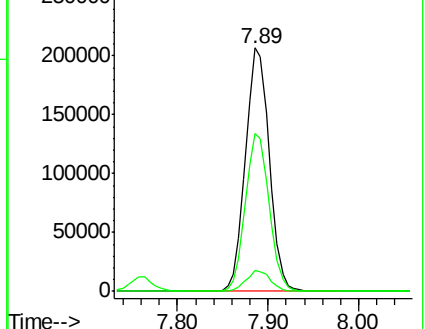
127 8.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.462 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

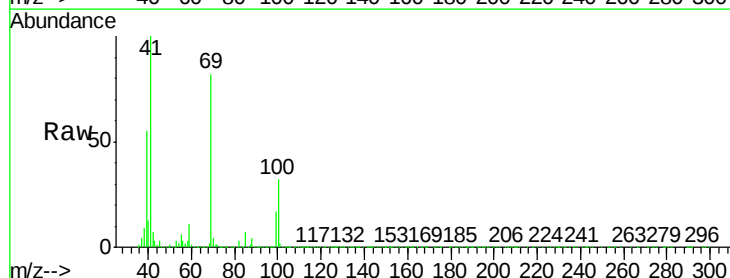
Tgt Ion: 41 Resp: 324887

Ion Ratio Lower Upper

41 100

69 82.4 65.8 98.6

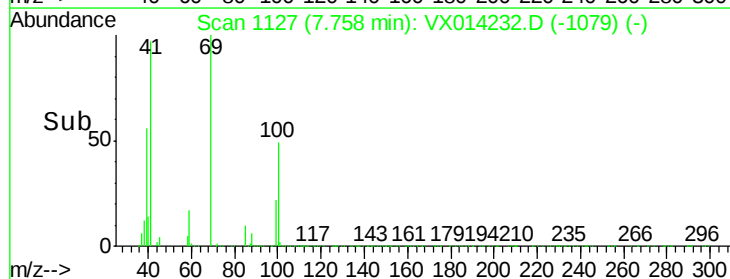
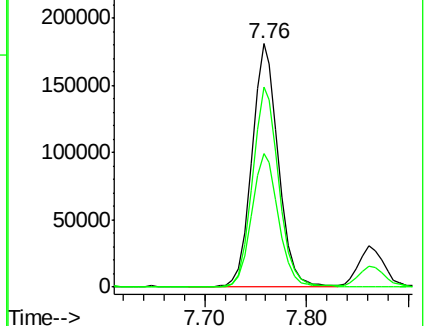
39 55.5 44.6 67.0

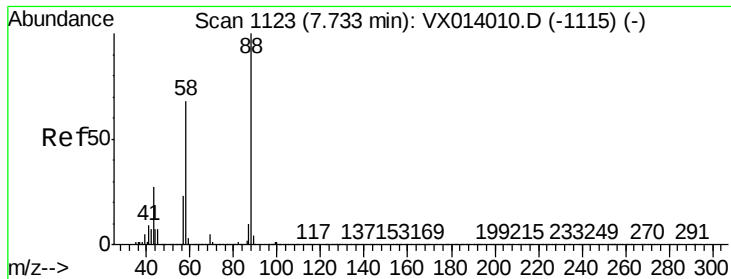


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 851.606 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

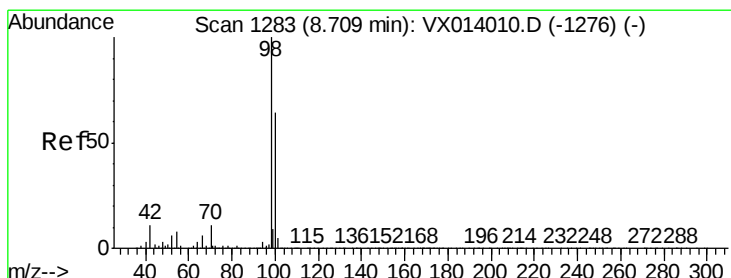
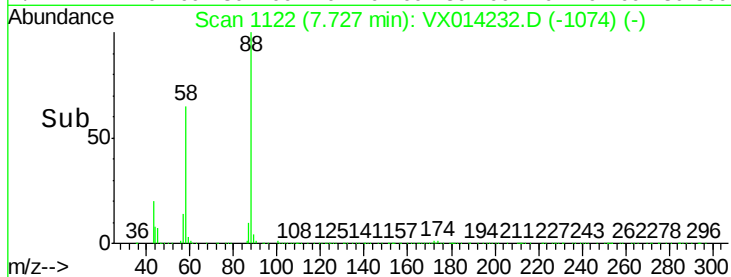
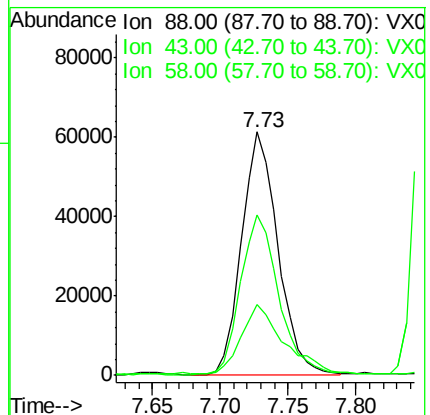
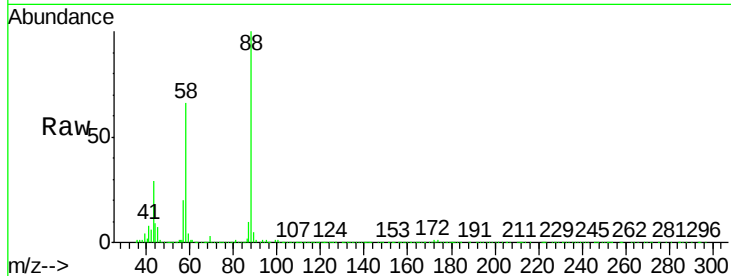
Tgt Ion: 88 Resp: 113834

Ion Ratio Lower Upper

88 100

43 34.0 26.5 39.7

58 70.6 56.8 85.2



#50

Toluene-d8

Concen: 47.597 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014232.D

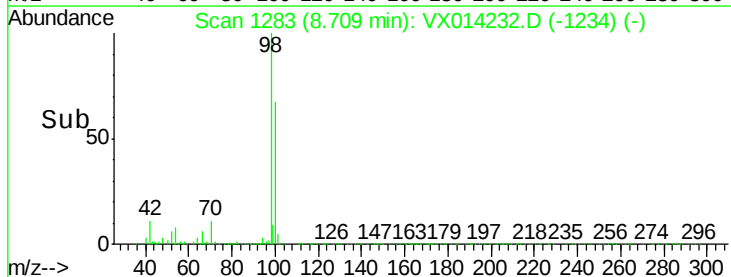
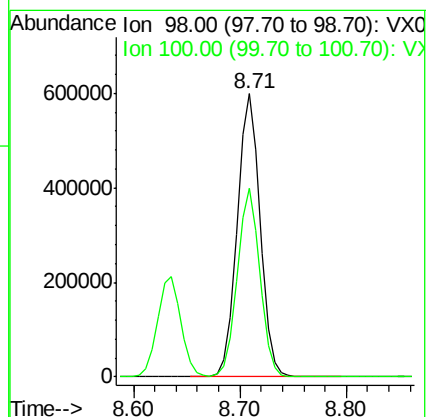
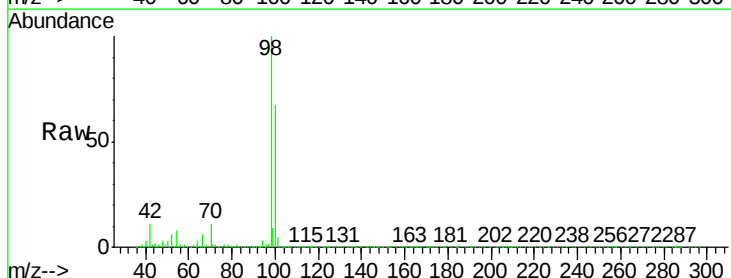
Acq: 24 Dec 2019 09:28

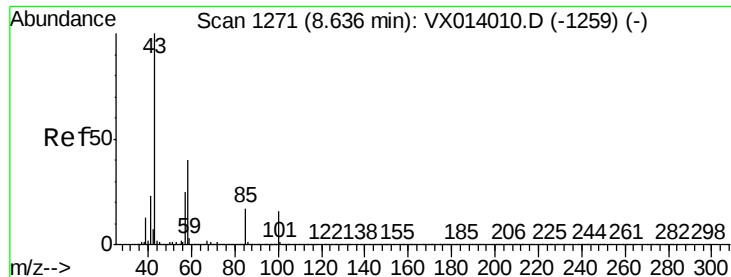
Tgt Ion: 98 Resp: 901106

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

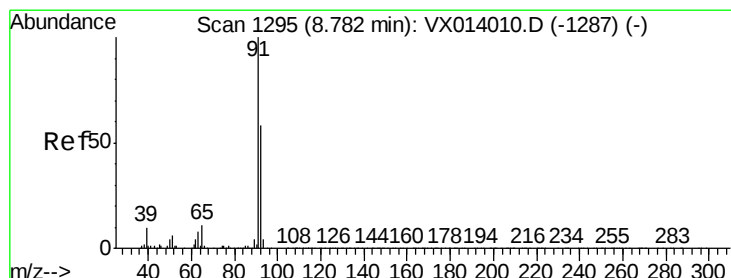
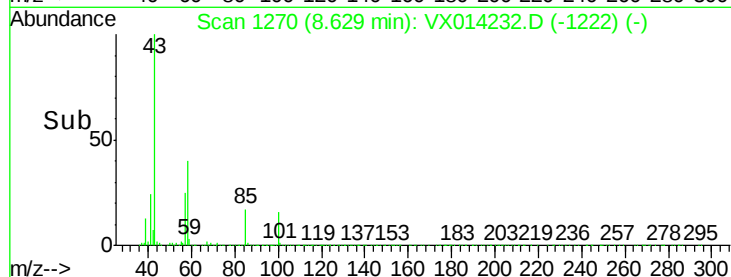
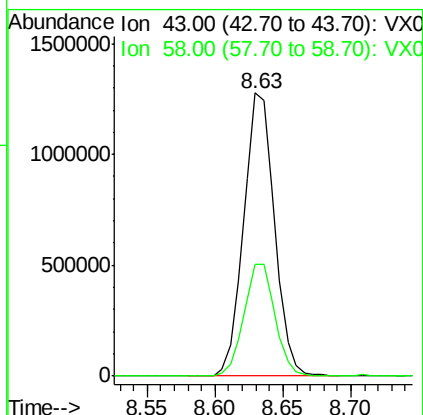
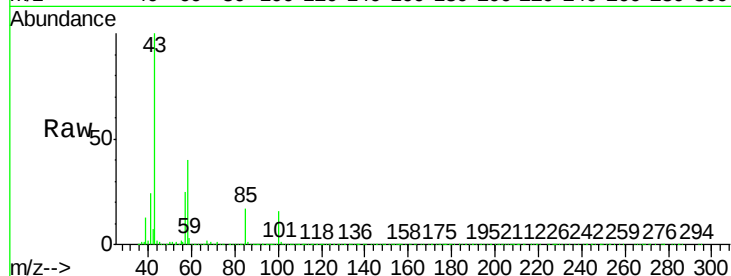




#51
4-Methyl-2-Pentanone
Concen: 240.403 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

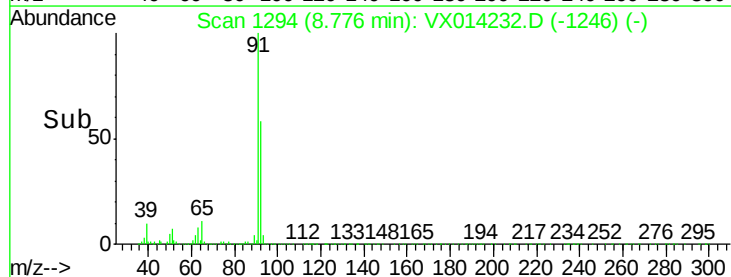
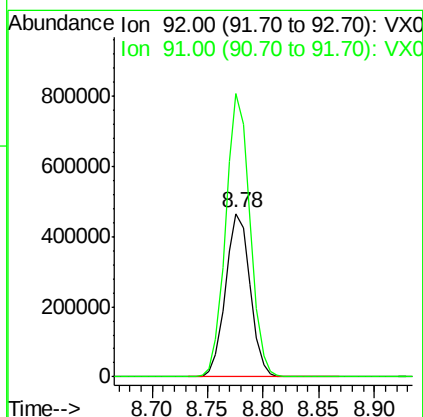
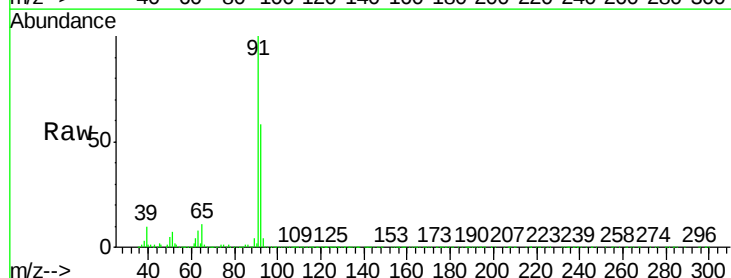
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2025209
Ion Ratio Lower Upper
43 100
58 39.7 32.2 48.2



#52
Toluene
Concen: 49.904 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 92 Resp: 712371
Ion Ratio Lower Upper
92 100
91 170.5 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 52.738 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

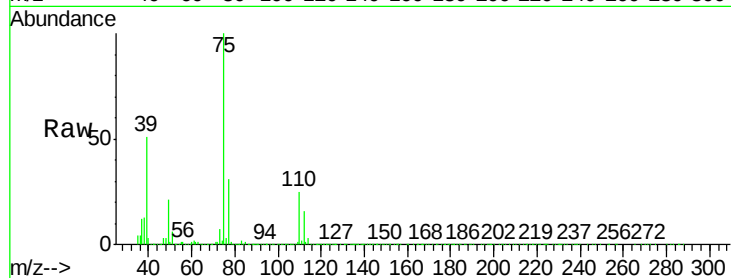
VSTDCCC050

Tgt Ion: 75 Resp: 416802

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

300000

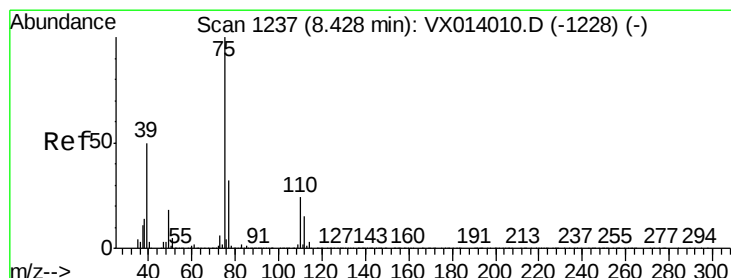
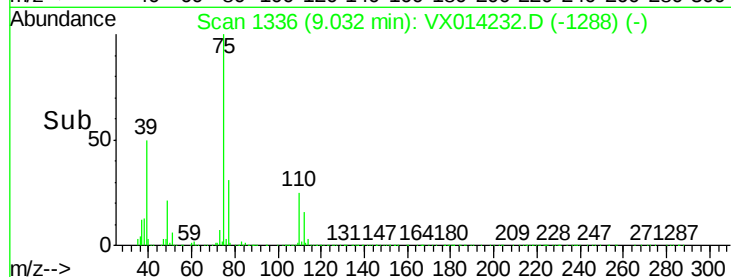
200000

100000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.876 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

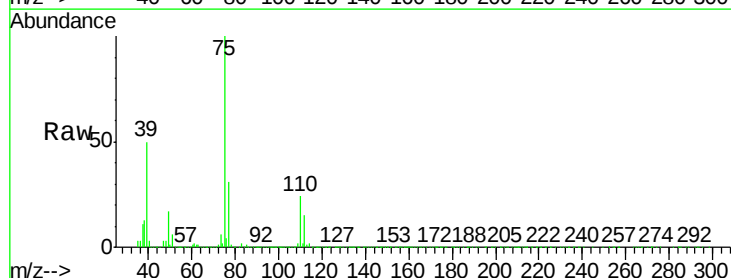
Tgt Ion: 75 Resp: 474369

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 49.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

400000

300000

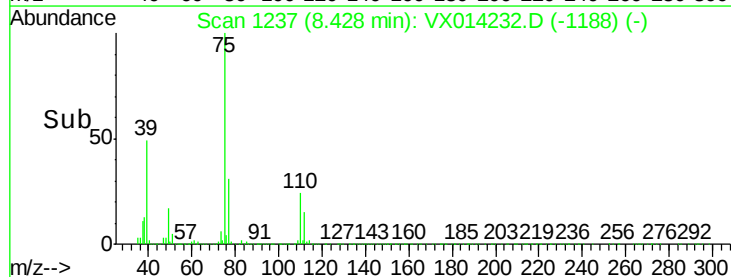
200000

100000

0

8.30 8.40 8.50 8.60

Time-->

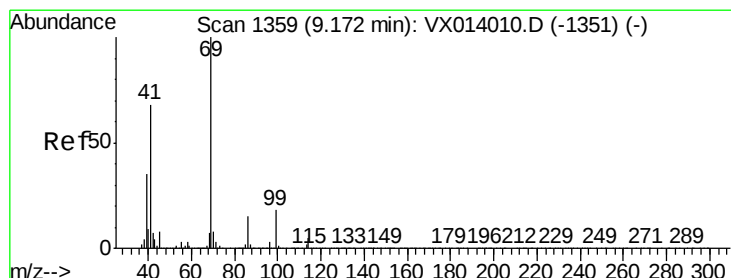
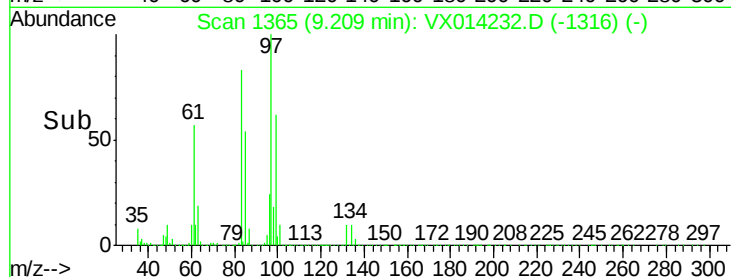
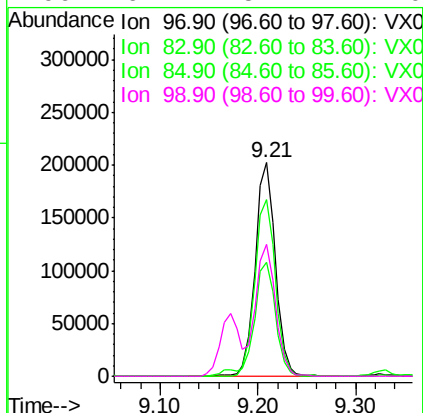
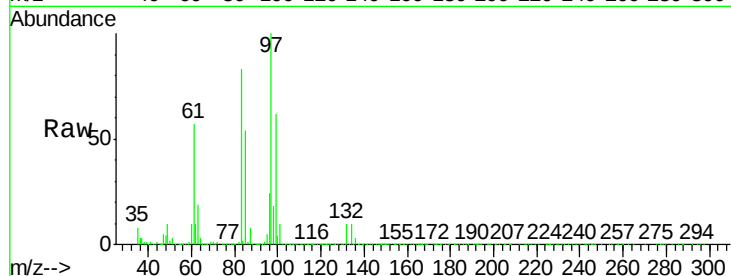




#55
 1,1,2-Trichloroethane
 Concen: 50.509 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

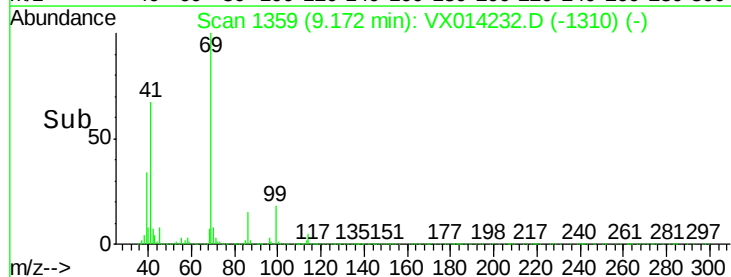
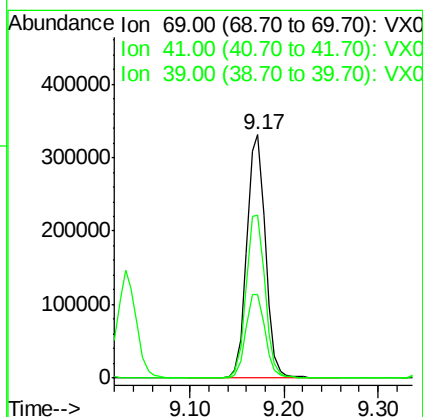
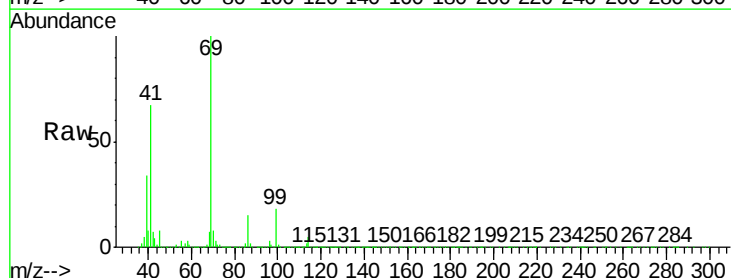
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

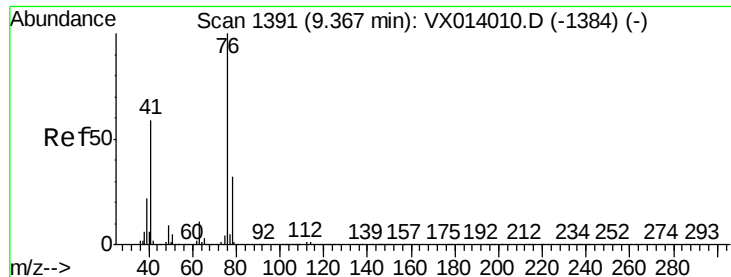
Tgt Ion:	97	Resp:	288971
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.2	102.4
85	53.5	44.6	66.8
99	61.7	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 50.753 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion:	69	Resp:	456119
Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.8	82.2
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 50.541 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

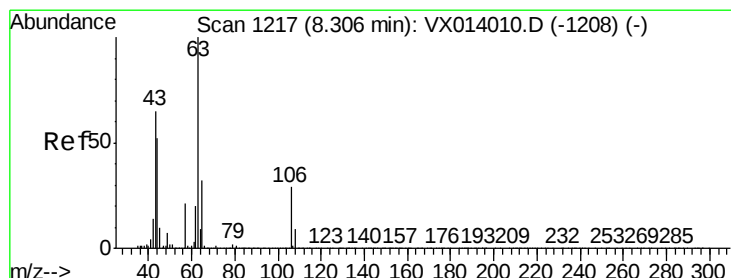
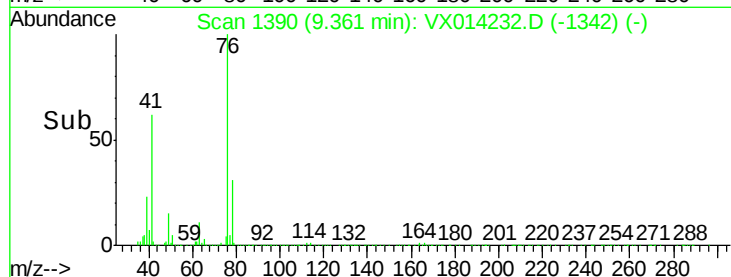
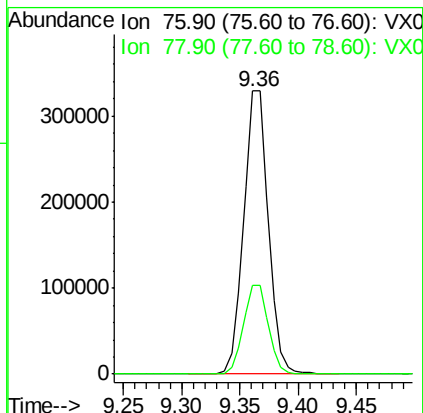
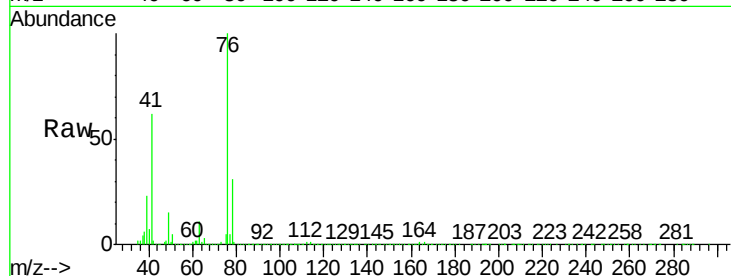
VSTDCCC050

Tgt Ion: 76 Resp: 486497

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 261.476 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014232.D

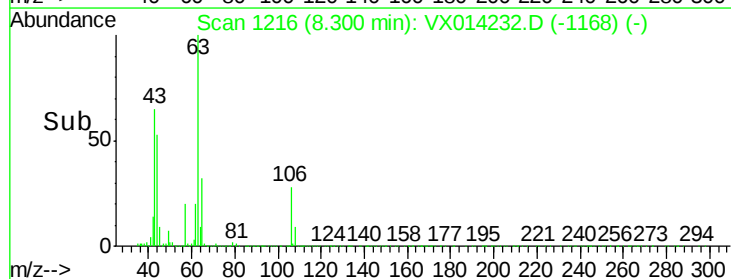
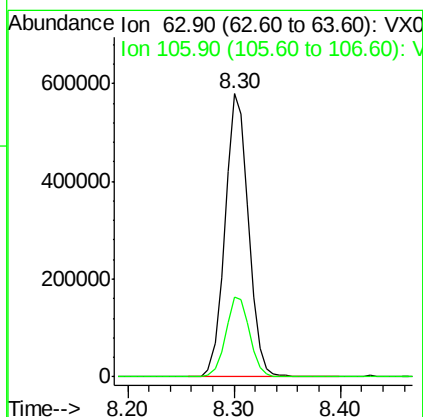
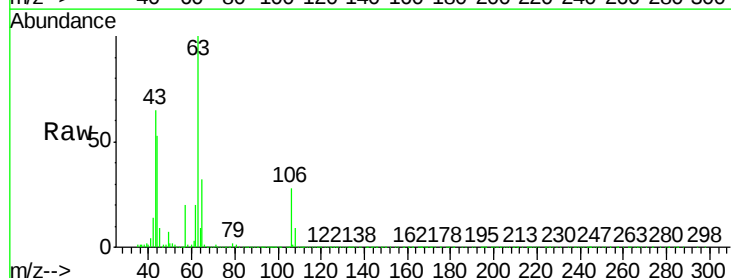
Acq: 24 Dec 2019 09:28

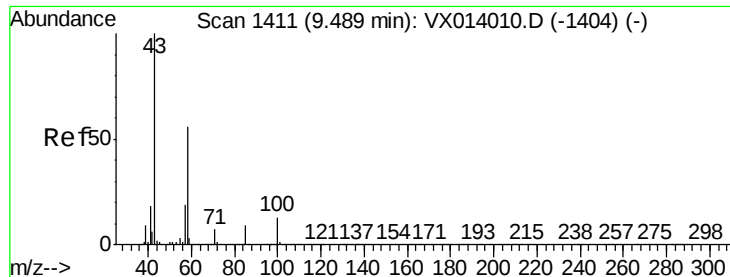
Tgt Ion: 63 Resp: 889280

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

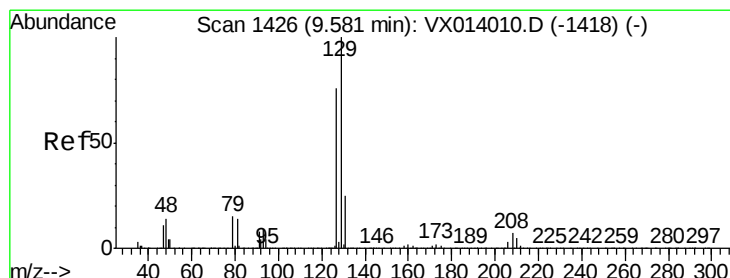
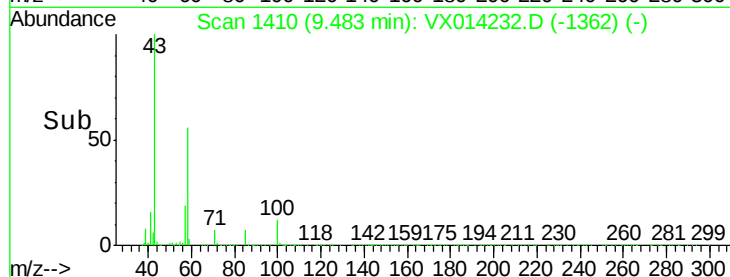
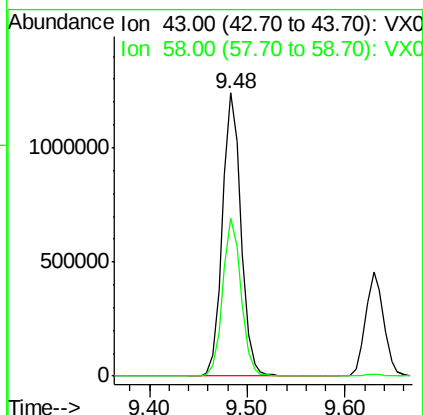
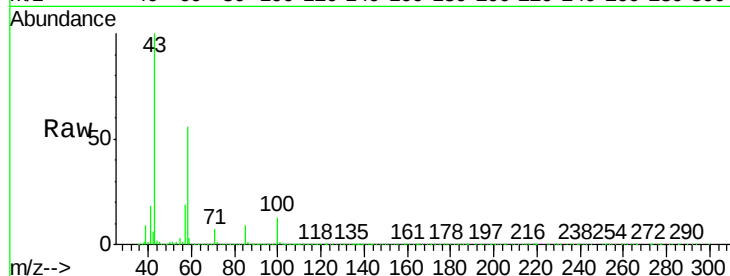




#59
2-Hexanone
Concen: 240.807 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

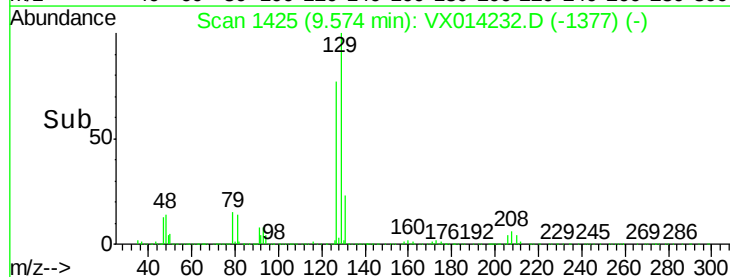
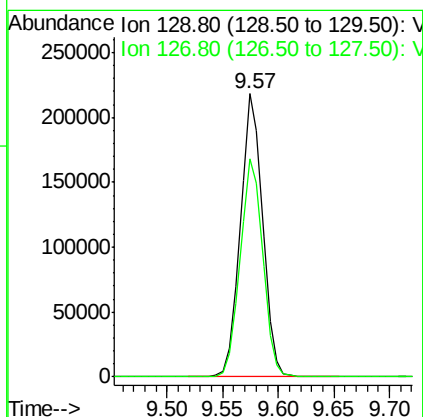
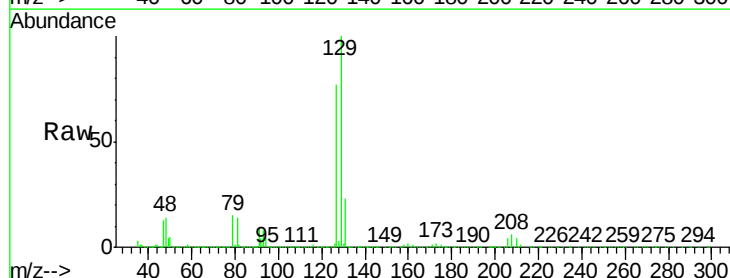
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

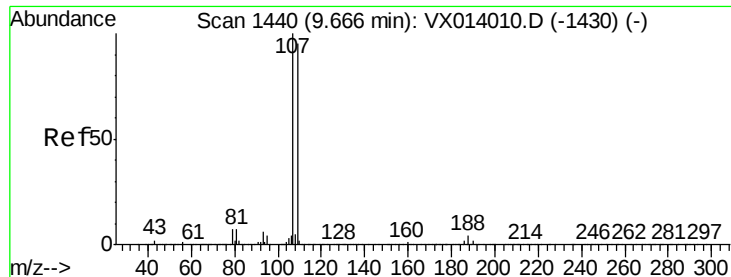
Tgt Ion: 43 Resp: 1633033
Ion Ratio Lower Upper
43 100
58 55.3 28.0 84.0



#60
Dibromochloromethane
Concen: 53.075 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 129 Resp: 301830
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.585 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

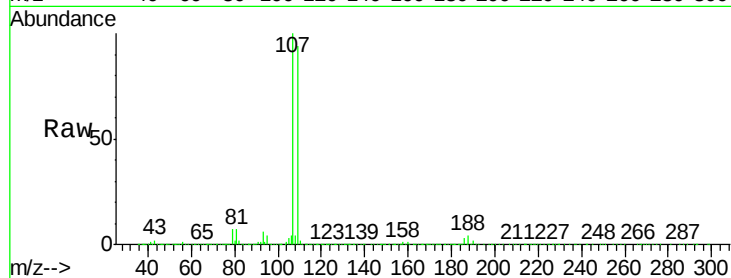
VSTDCCC050

Tgt Ion: 107 Resp: 296106

Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

150000

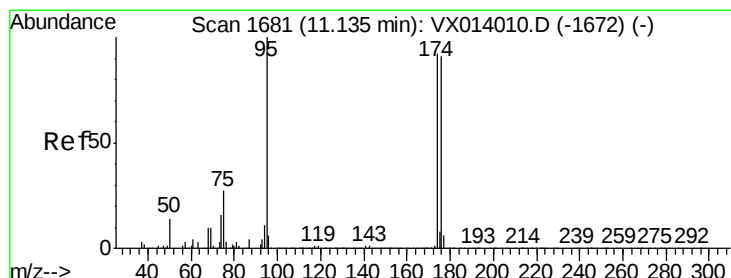
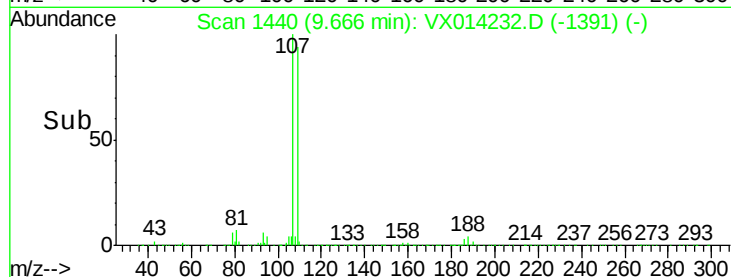
100000

50000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 46.514 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

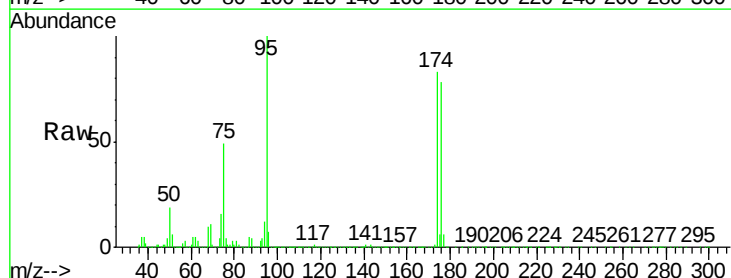
Tgt Ion: 95 Resp: 321897

Ion Ratio Lower Upper

95 100

174 89.5 0.0 175.8

176 85.6 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

300000

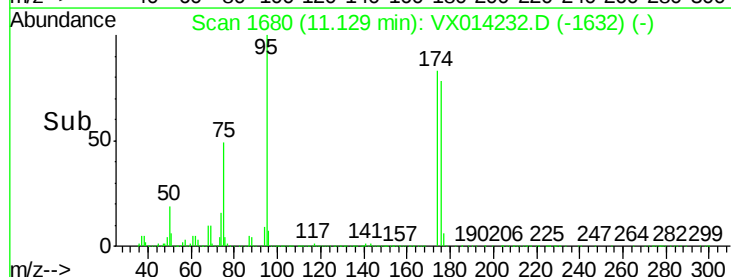
200000

100000

0

Time-->

11.05 11.10 11.15 11.20

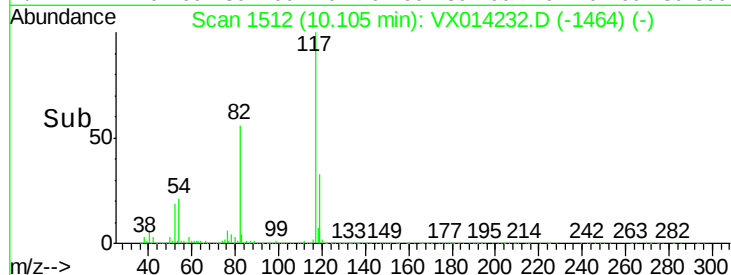
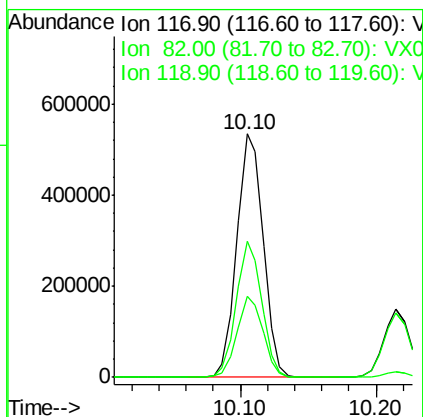
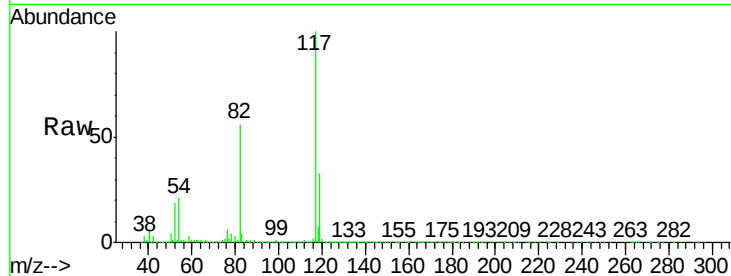




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

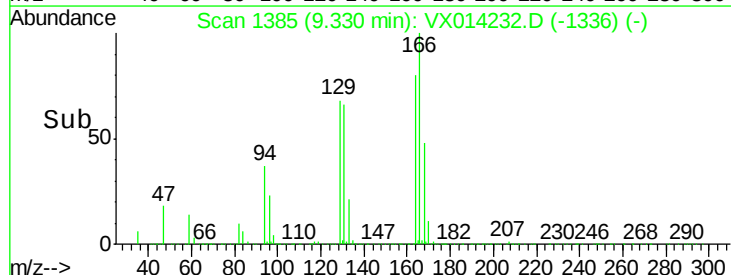
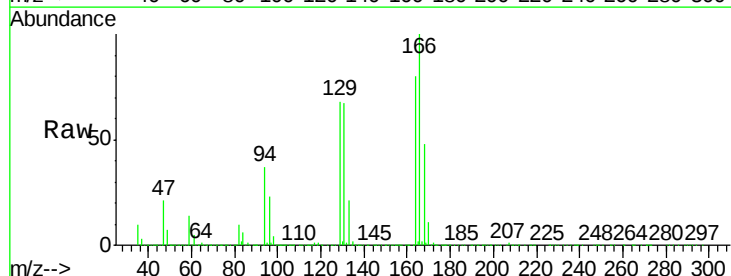
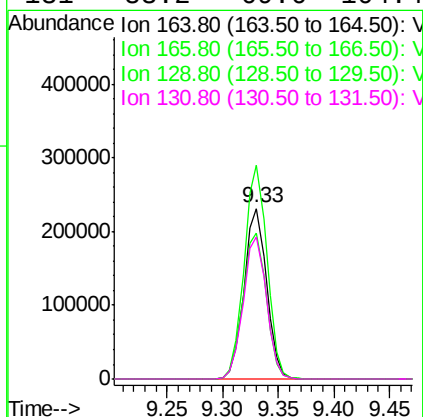
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.2	63.4
119	33.2	25.1	37.7



#64
Tetrachloroethene
Concen: 51.087 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	104.0	156.0
129	85.5	72.2	108.4
131	83.2	69.6	104.4





#65

Chlorobenzene

Concen: 50.430 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

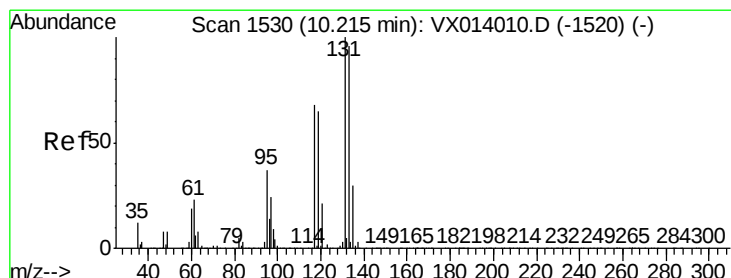
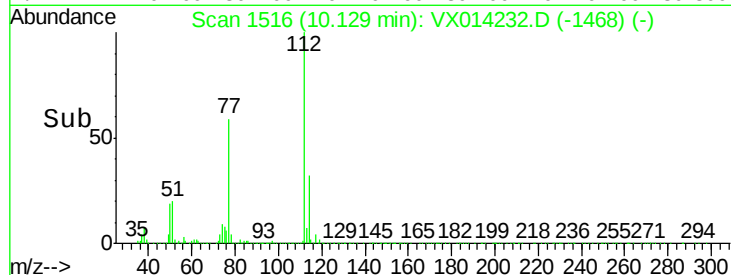
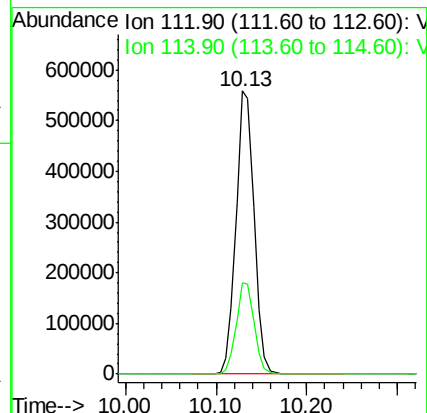
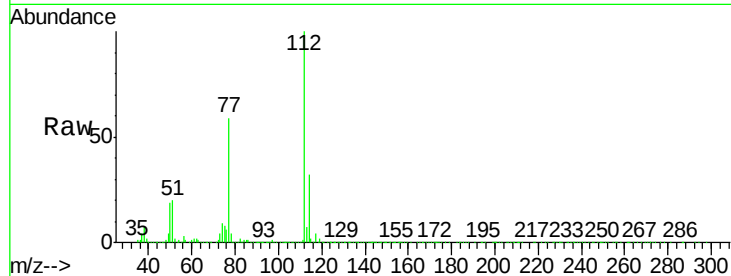
VSTDCCC050

Tgt Ion:112 Resp: 773248

Ion Ratio Lower Upper

112 100

114 32.2 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 51.543 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

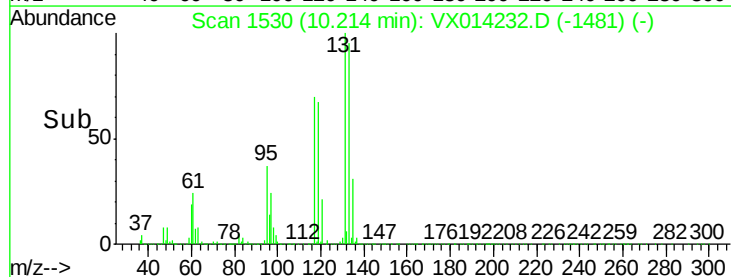
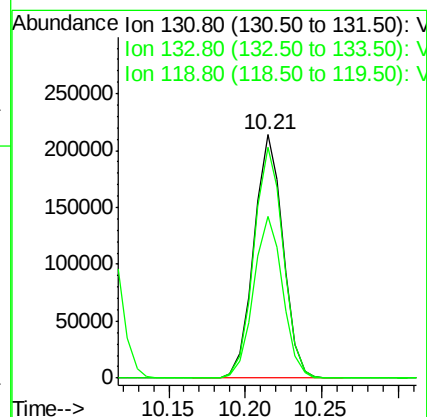
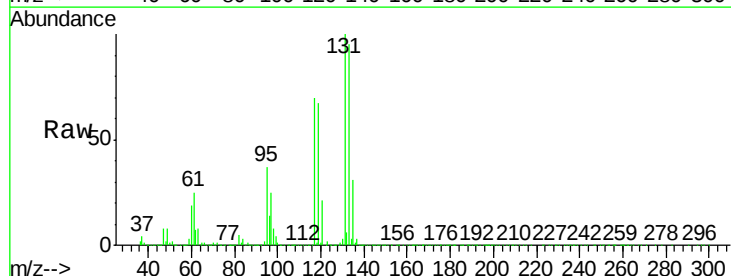
Tgt Ion:131 Resp: 282187

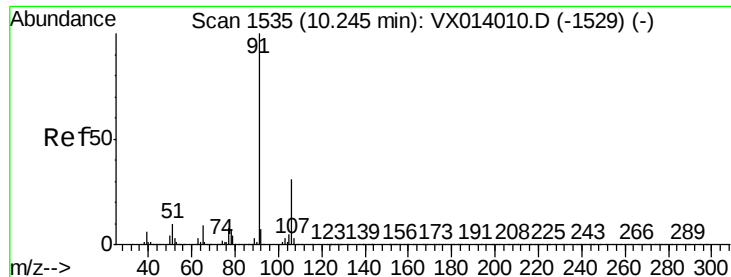
Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.0

119 66.8 33.4 100.2

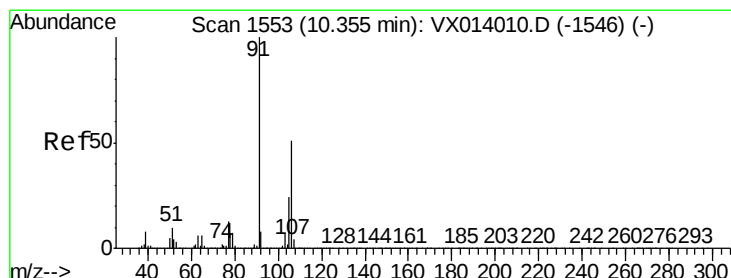
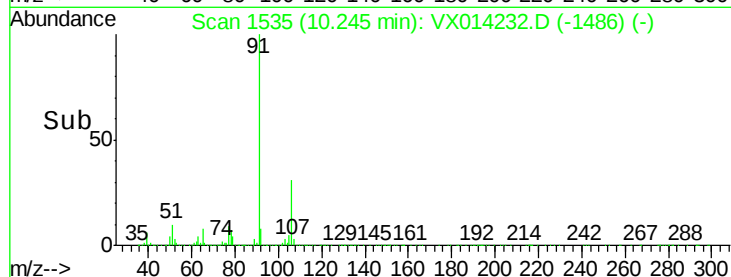
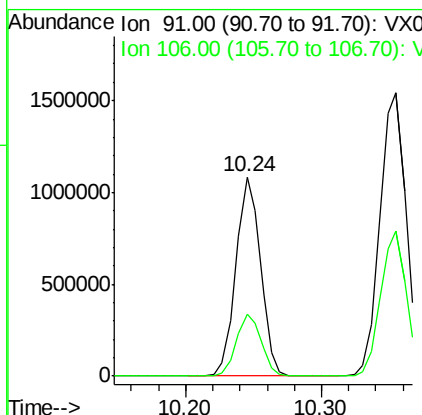
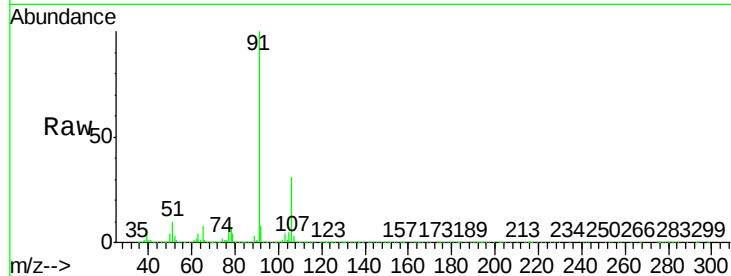




#67
Ethyl Benzene
Concen: 51.978 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

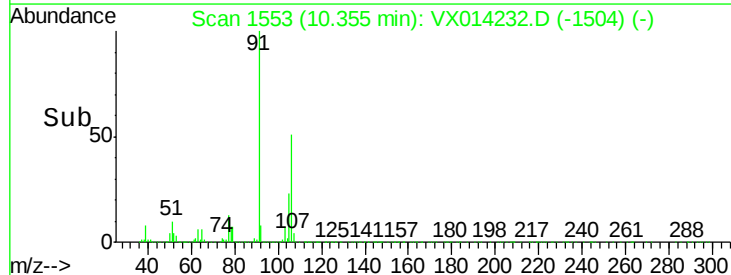
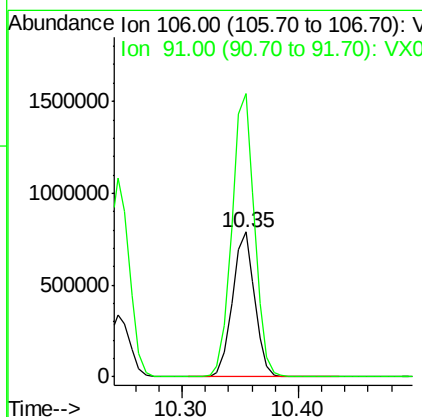
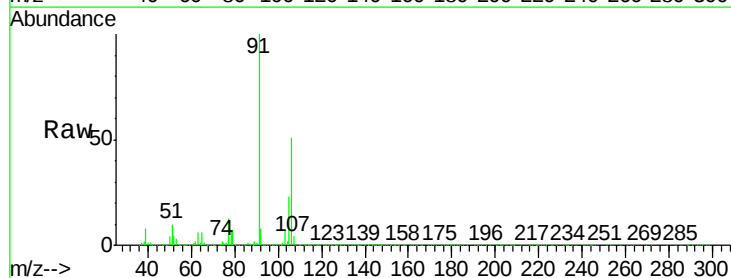
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

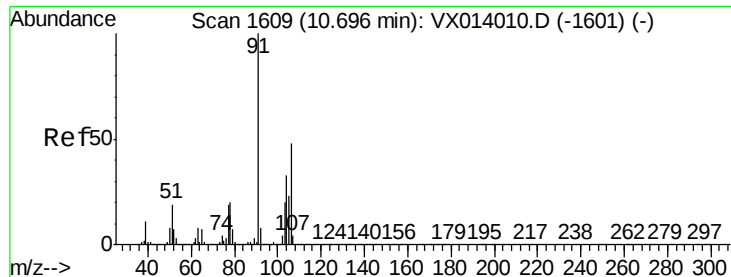
Tgt Ion: 91 Resp: 1370211
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 102.434 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion: 106 Resp: 1038568
Ion Ratio Lower Upper
106 100
91 200.3 158.6 238.0

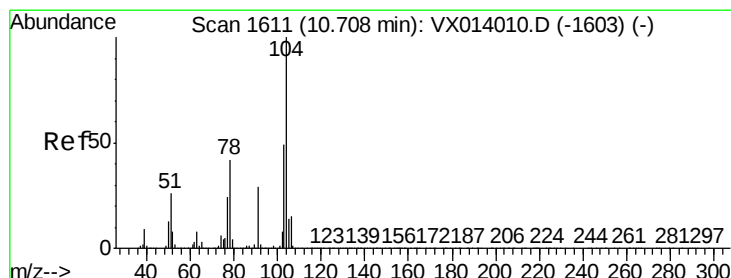
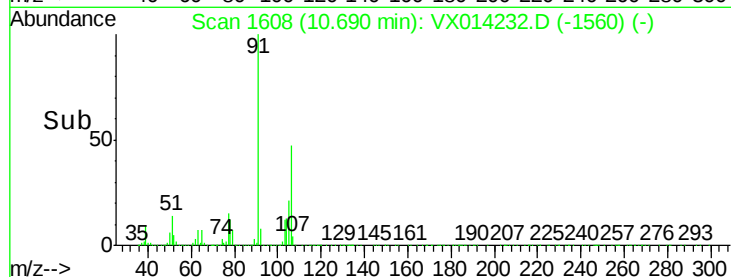
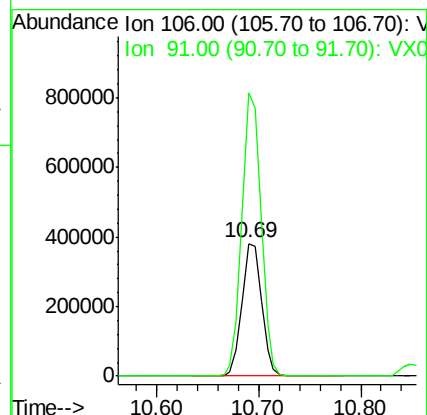
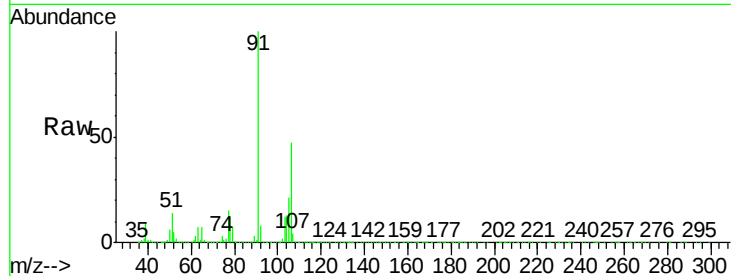




#69
o-Xylene
Concen: 50.456 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

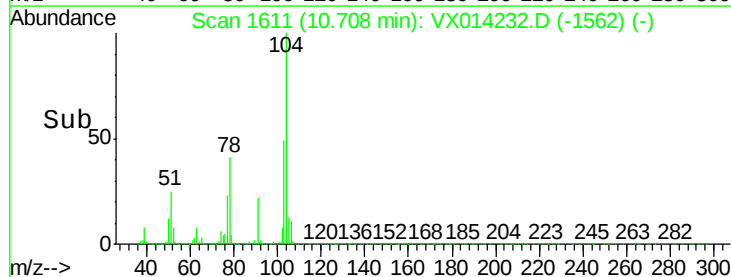
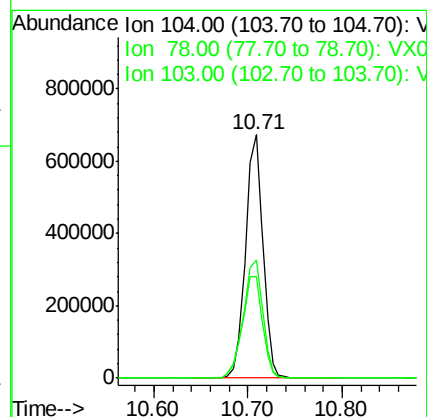
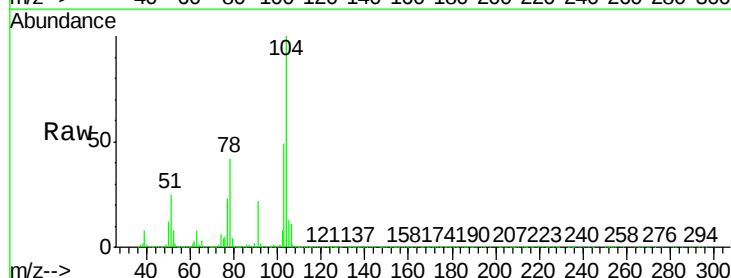
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

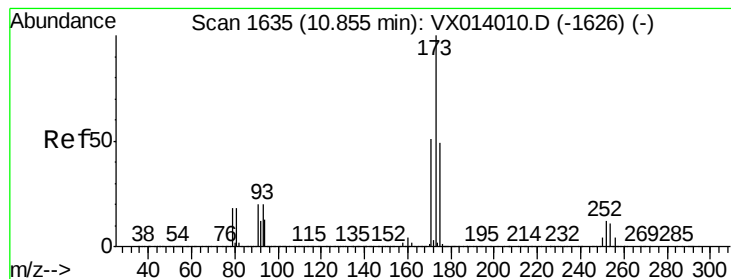
Tgt Ion:106 Resp: 501730
Ion Ratio Lower Upper
106 100
91 210.7 104.2 312.6



#70
Styrene
Concen: 51.647 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion:104 Resp: 868432
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.2 42.9 64.3





#71

Bromoform

Concen: 51.959 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

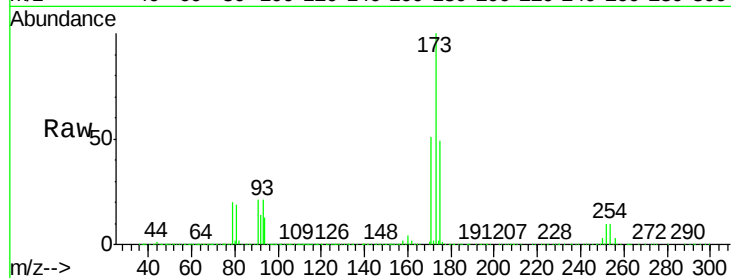
Tgt Ion:173 Resp: 228665

Ion Ratio Lower Upper

173 100

175 49.2 24.4 73.4

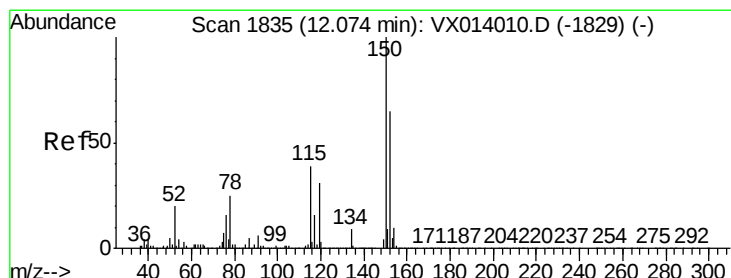
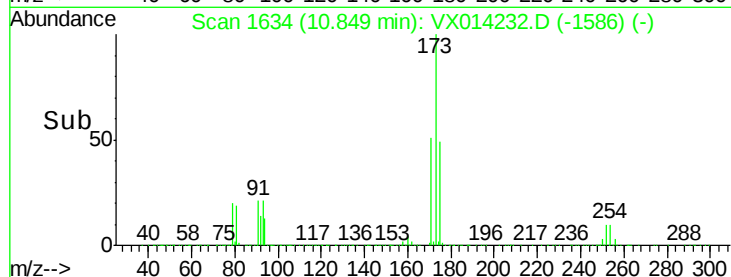
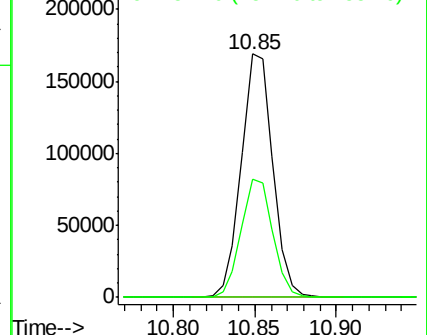
254 0.1 0.2 0.2#



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: VX014232.D

Acq: 24 Dec 2019 09:28

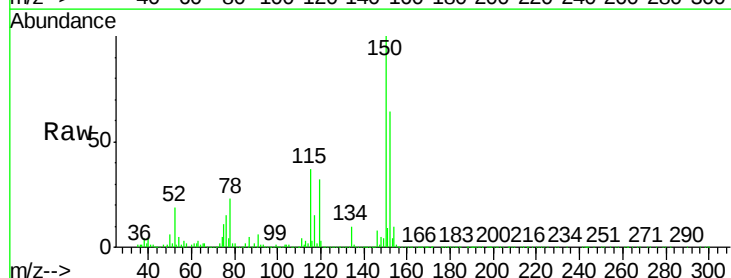
Tgt Ion:152 Resp: 364828

Ion Ratio Lower Upper

152 100

115 78.7 38.3 114.9

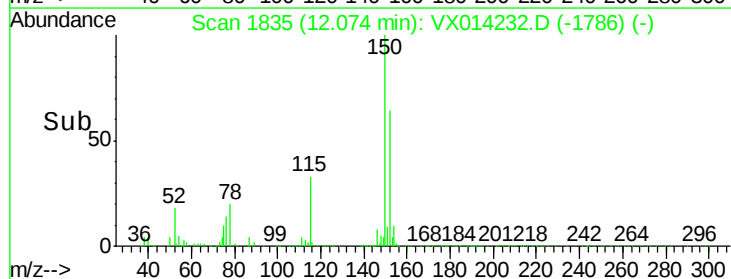
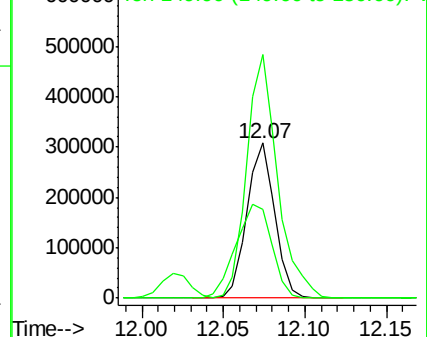
150 174.5 0.0 345.4

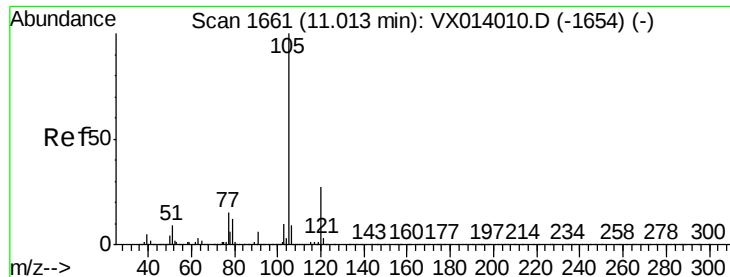


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.294 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

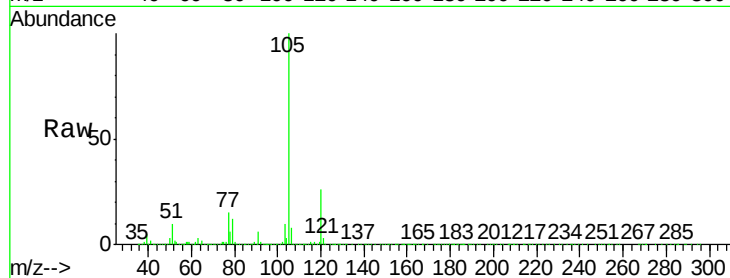
VSTDCCC050

Tgt Ion:105 Resp: 1343255

Ion Ratio Lower Upper

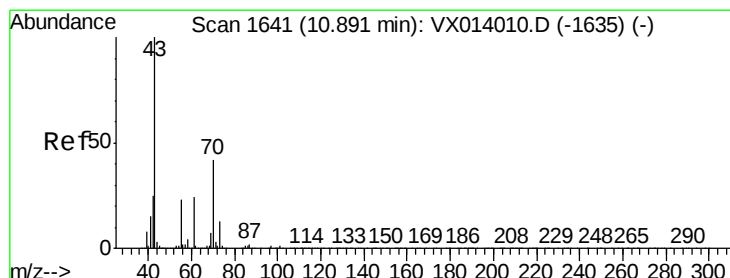
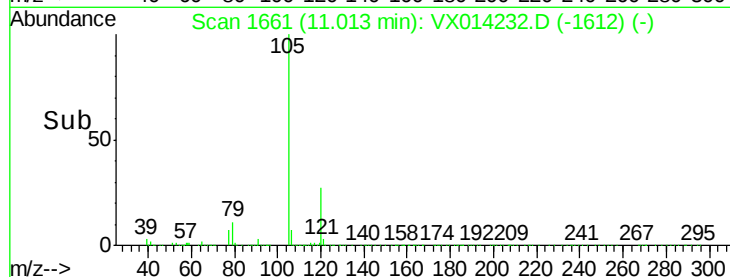
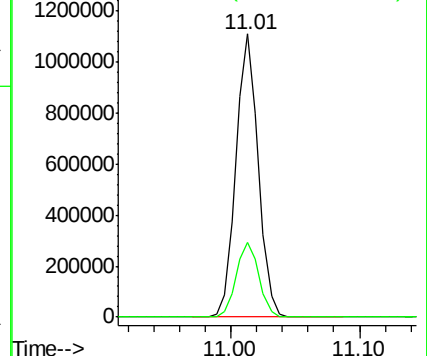
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.446 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 583308

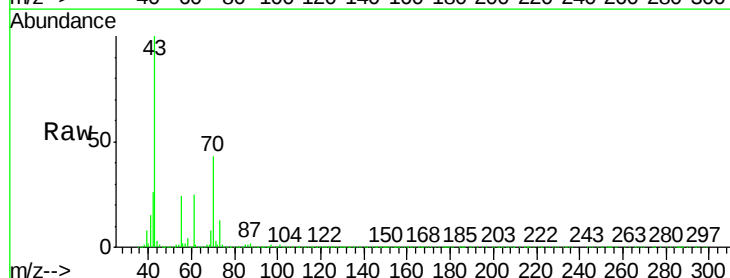
Ion Ratio Lower Upper

43 100

70 43.4 34.4 51.6

55 24.5 19.1 28.7

61 24.6 19.7 29.5

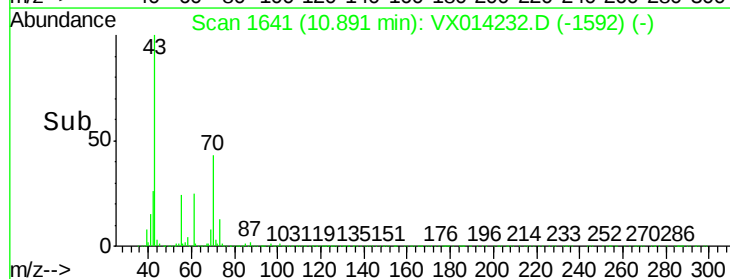
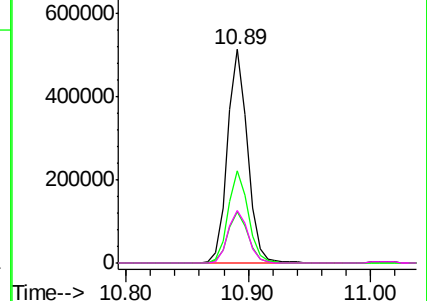


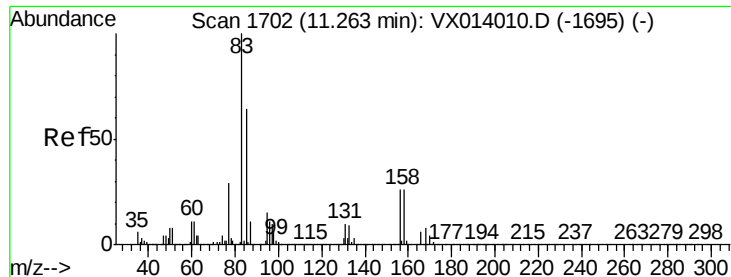
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.353 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

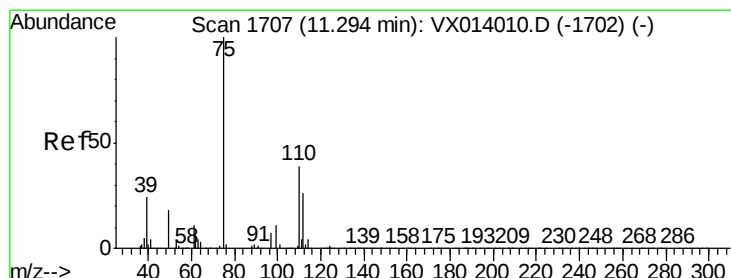
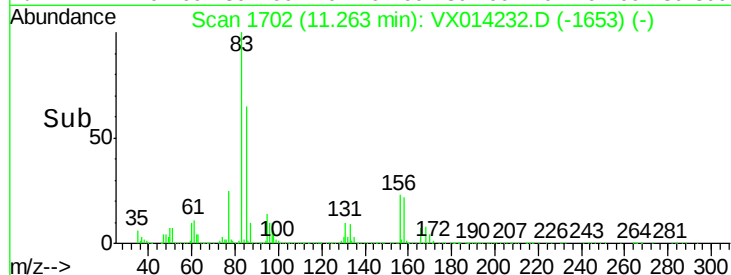
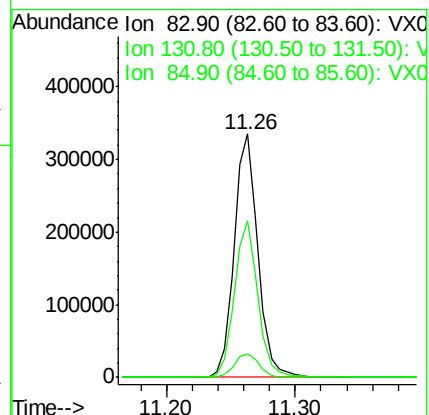
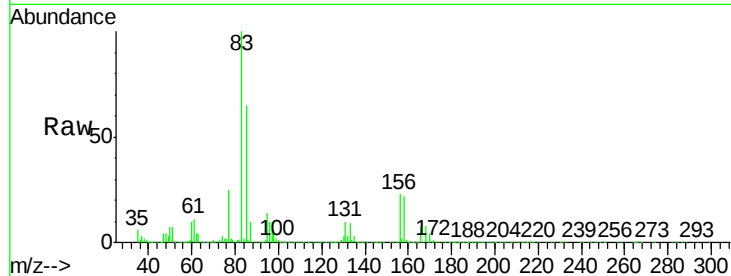
Tgt Ion: 83 Resp: 430598

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.2

85 63.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 62.361 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014232.D

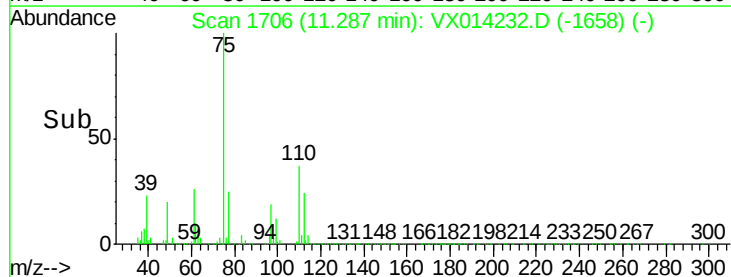
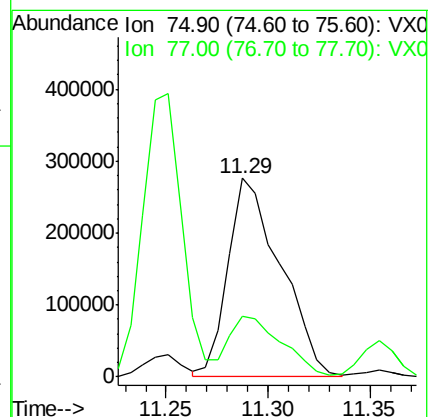
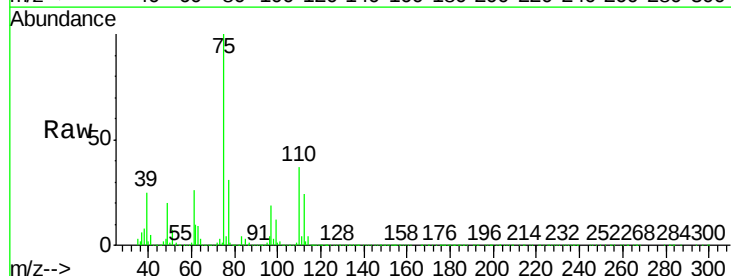
Acq: 24 Dec 2019 09:28

Tgt Ion: 75 Resp: 493920

Ion Ratio Lower Upper

75 100

77 29.8 19.3 57.8





#77

Bromobenzene

Concen: 48.590 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

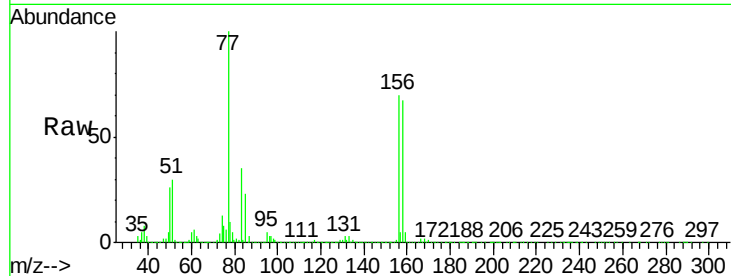
Tgt Ion:156 Resp: 343403

Ion Ratio Lower Upper

156 100

77 152.3 76.5 229.5

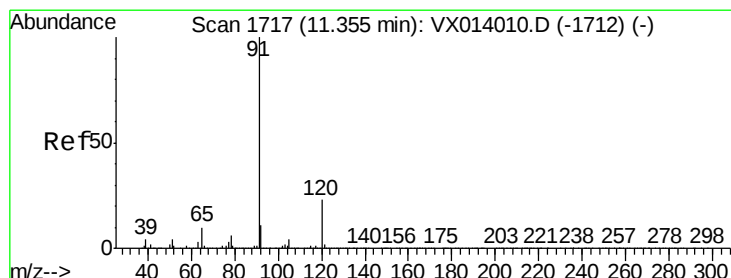
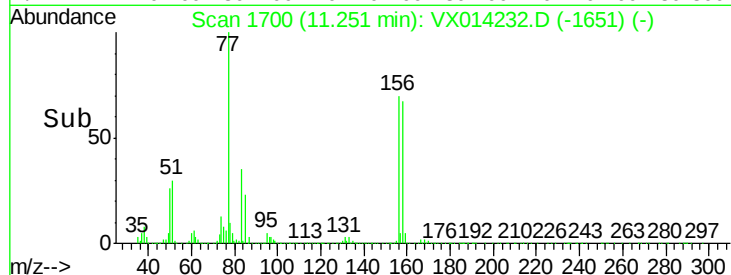
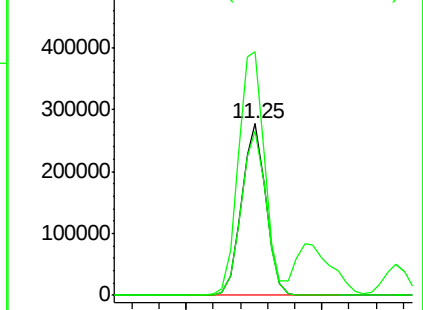
158 98.3 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.997 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014232.D

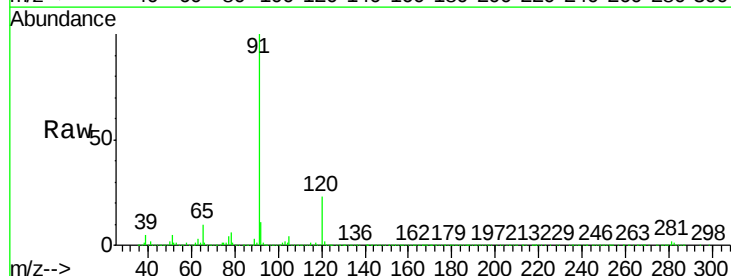
Acq: 24 Dec 2019 09:28

Tgt Ion: 91 Resp: 1555769

Ion Ratio Lower Upper

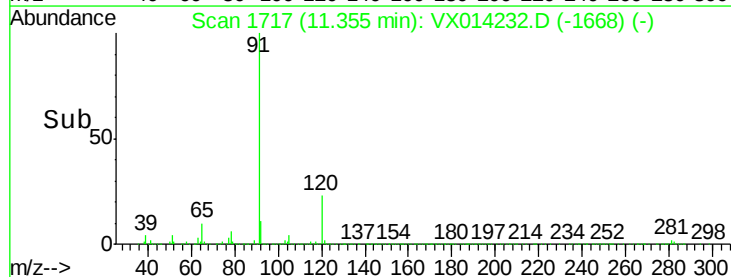
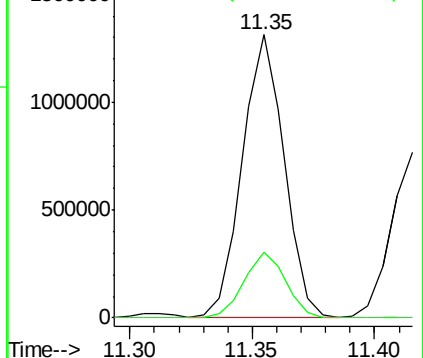
91 100

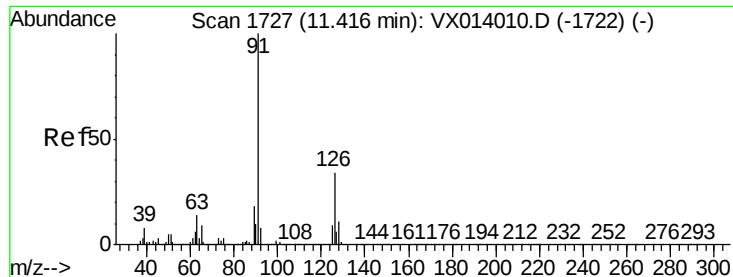
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

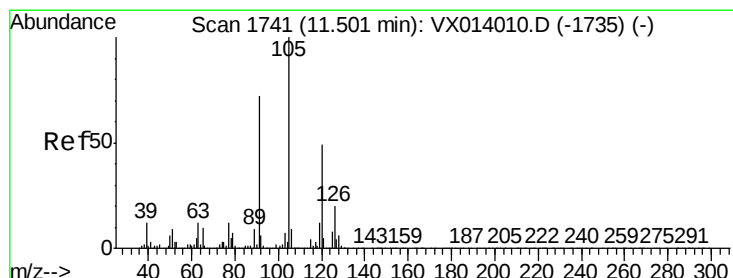
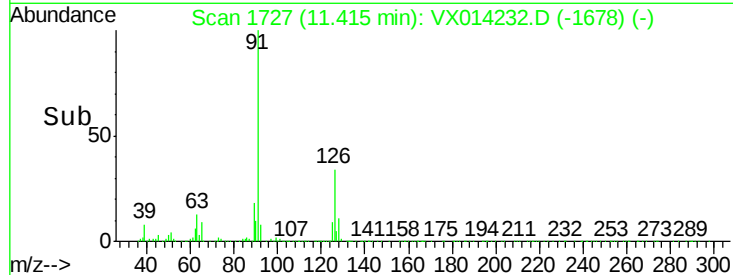
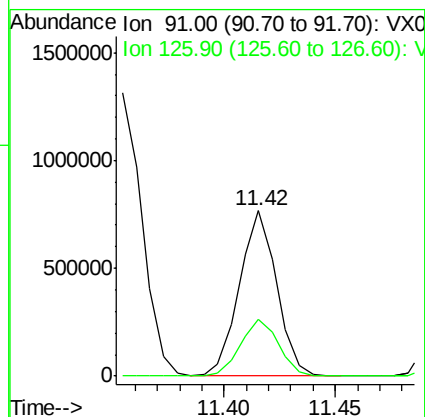
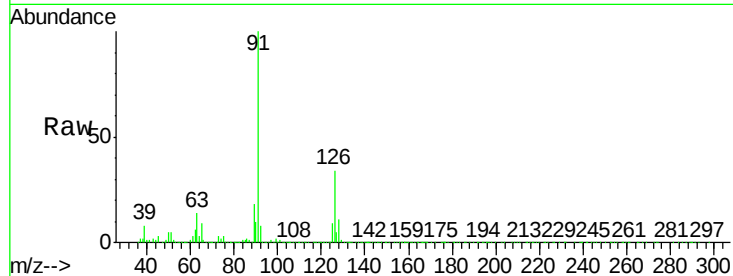




#79
 2-Chlorotoluene
 Concen: 51.087 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

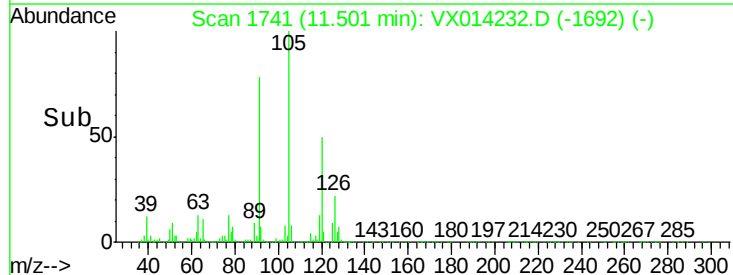
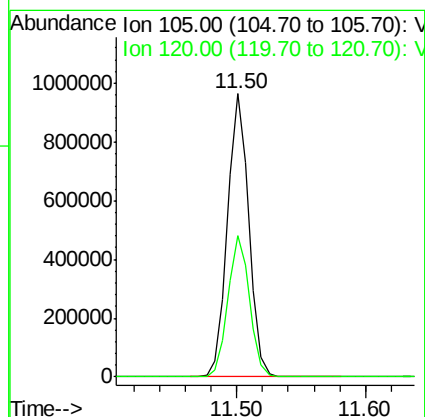
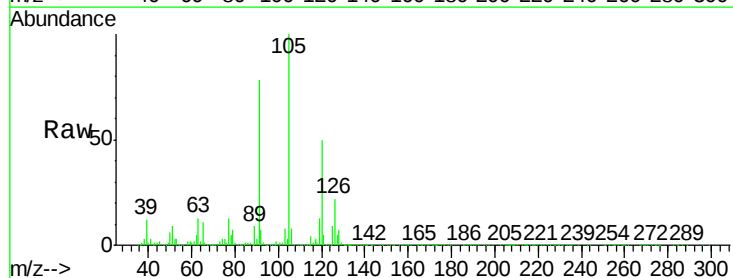
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 894742
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.188 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 105 Resp: 1128209
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.562 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

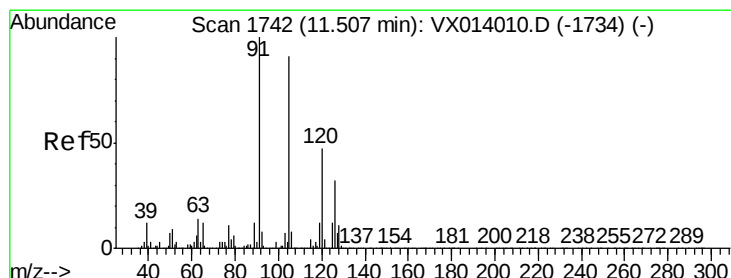
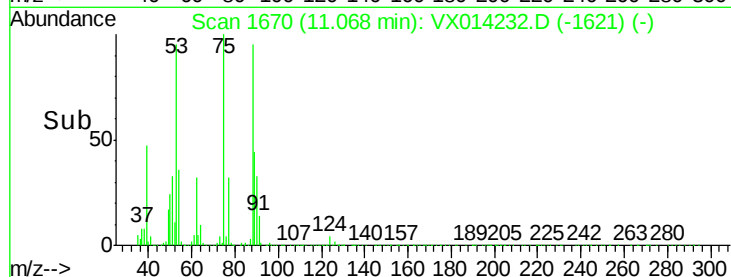
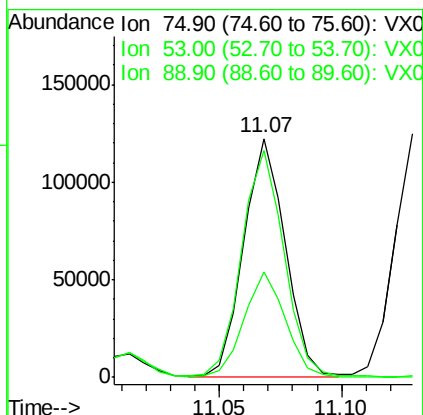
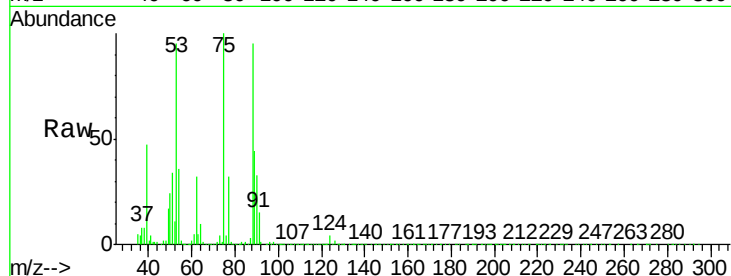
Tgt Ion: 75 Resp: 144690

Ion Ratio Lower Upper

75 100

53 96.2 76.7 115.1

89 43.9 34.6 51.8



#82

4-Chlorotoluene

Concen: 51.335 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014232.D

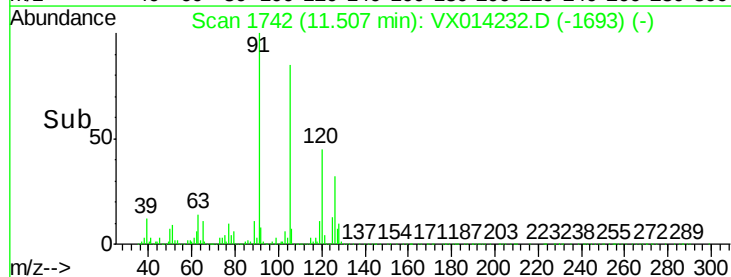
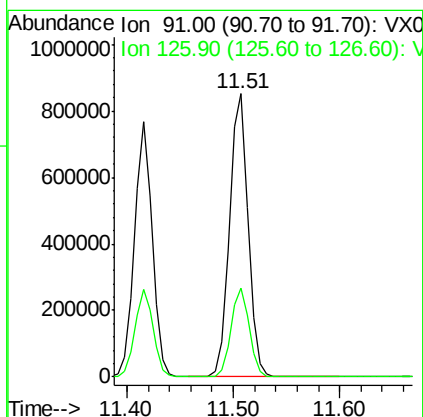
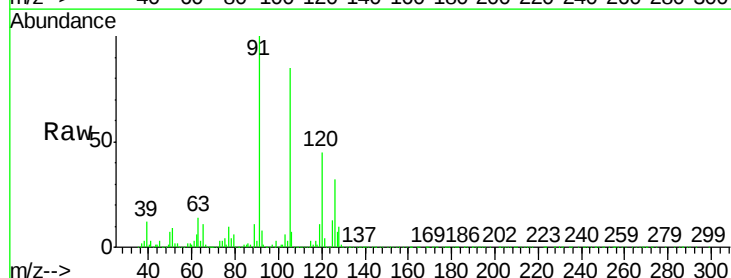
Acq: 24 Dec 2019 09:28

Tgt Ion: 91 Resp: 1042921

Ion Ratio Lower Upper

91 100

126 30.7 15.6 46.8

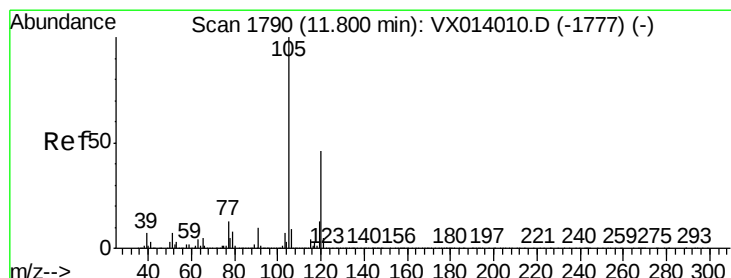
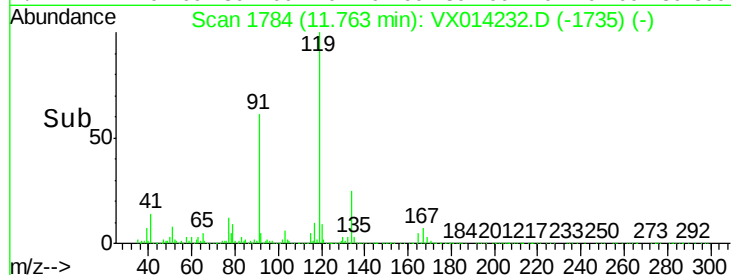
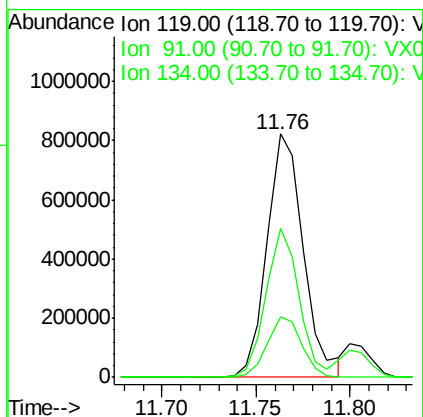
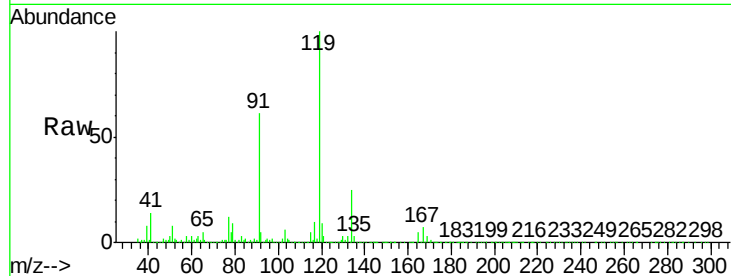




#83
tert-Butylbenzene
Concen: 52.257 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

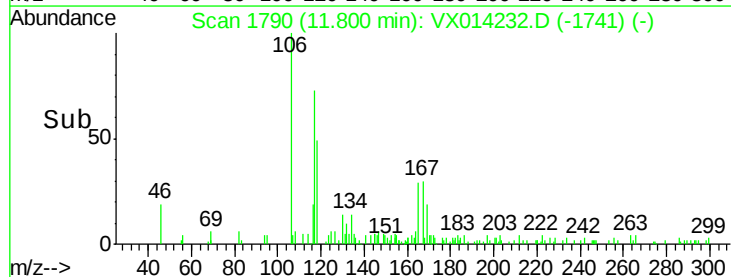
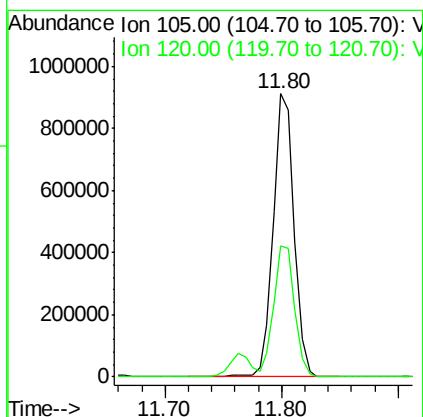
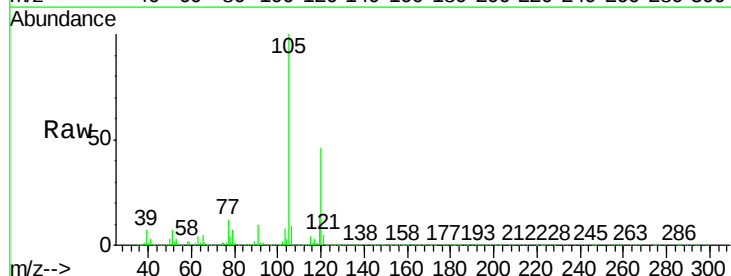
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

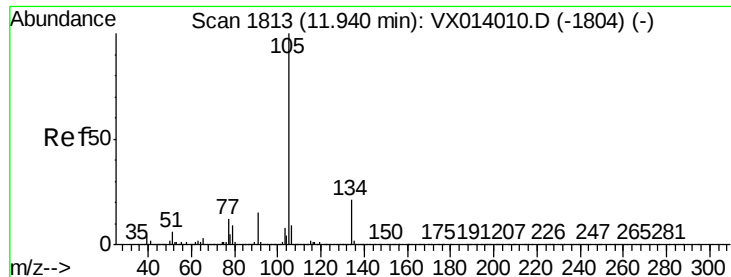
Tgt Ion:119 Resp: 1099381
Ion Ratio Lower Upper
119 100
91 55.9 28.5 85.6
134 23.8 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 52.352 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion:105 Resp: 1133384
Ion Ratio Lower Upper
105 100
120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 53.042 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

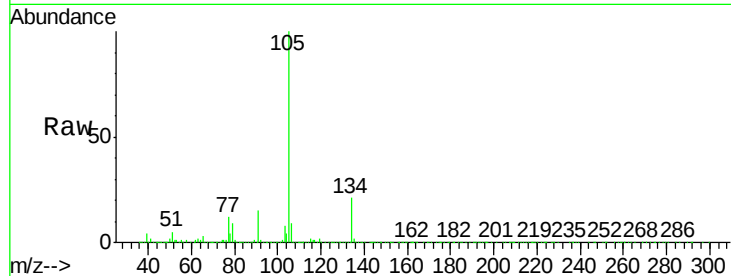
VSTDCCC050

Tgt Ion:105 Resp: 1317333

Ion Ratio Lower Upper

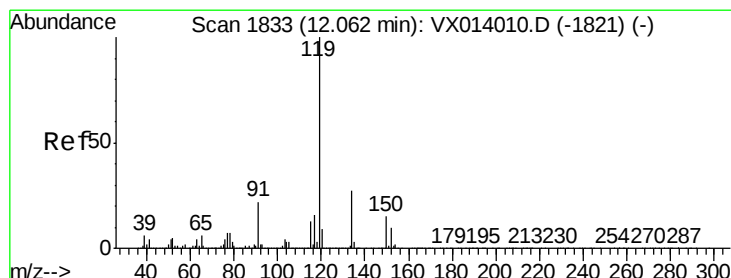
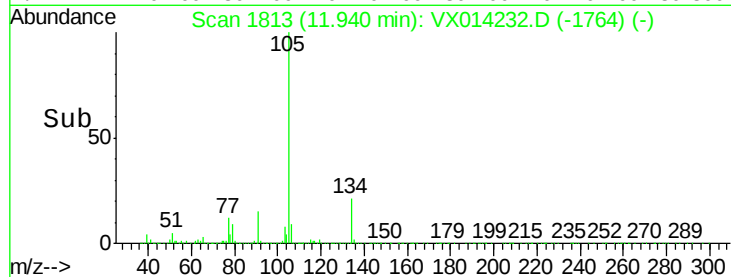
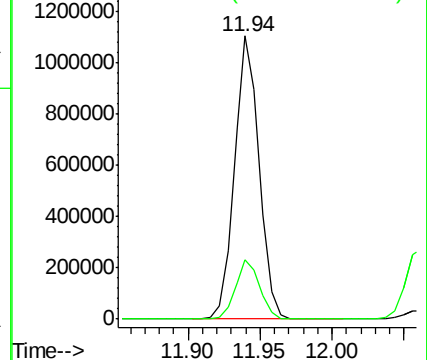
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.775 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

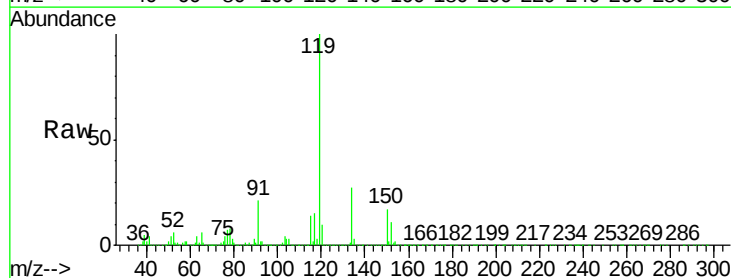
Tgt Ion:119 Resp: 1221673

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

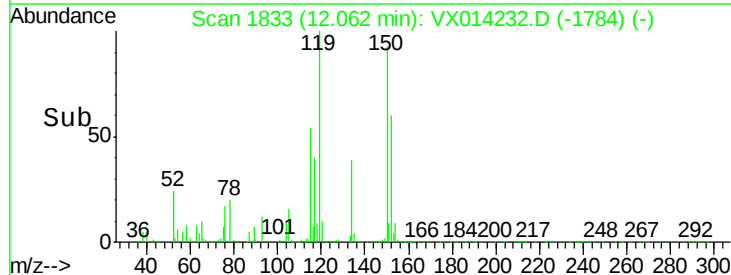
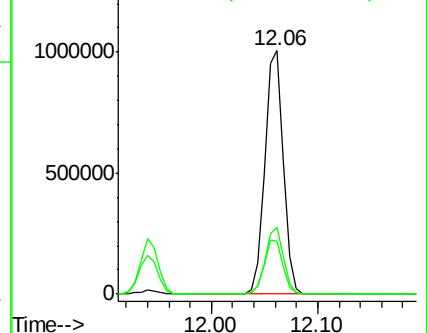
91 22.3 11.4 34.1

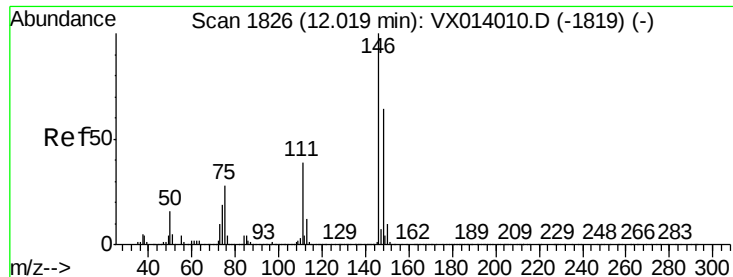


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.963 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

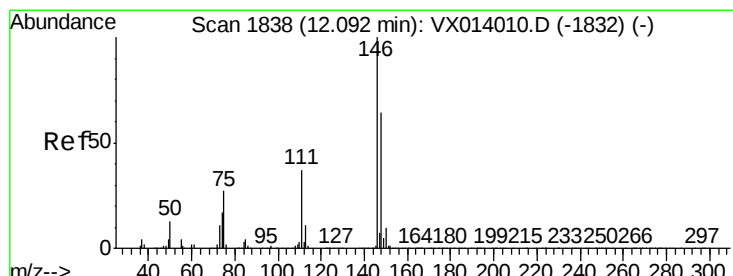
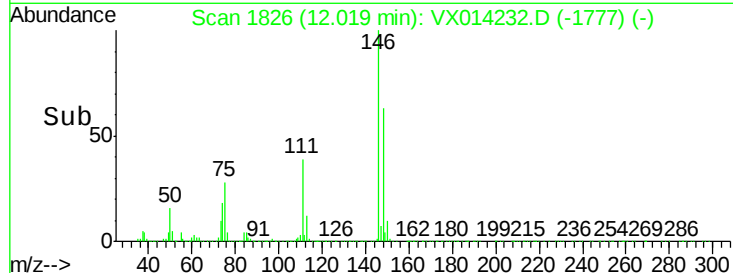
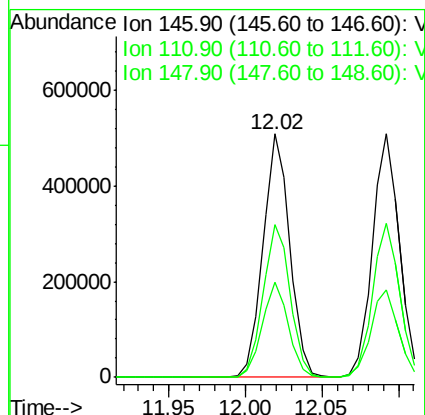
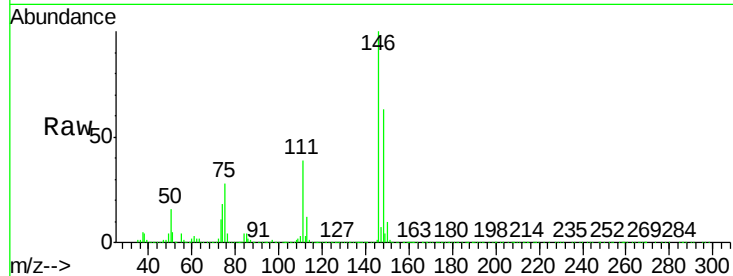
Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 618856

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.0	32.3	96.9



#88

1,4-Dichlorobenzene

Concen: 49.196 ug/l

RT: 12.09 min Scan# 1838

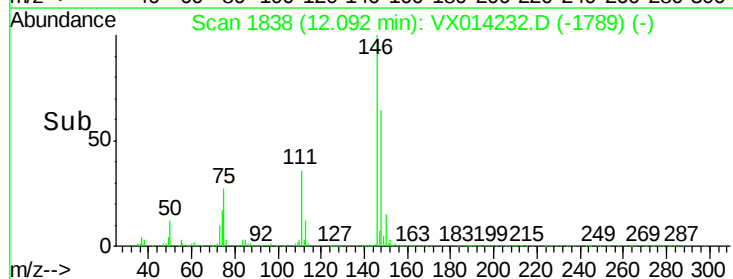
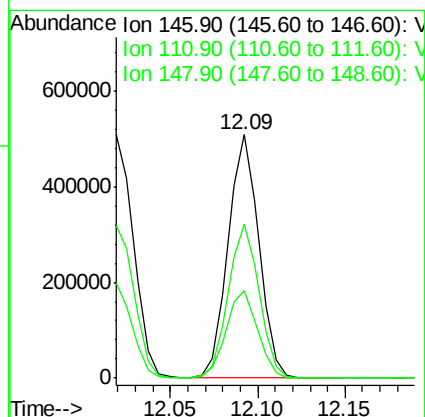
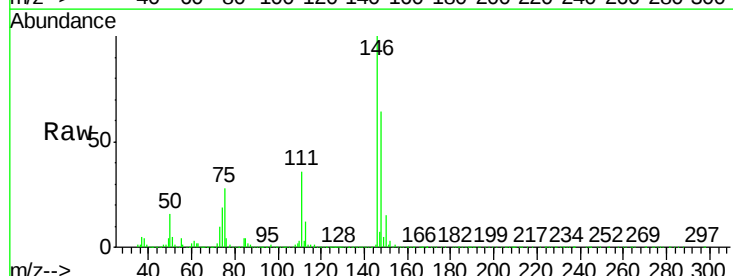
Delta R.T. -0.00 min

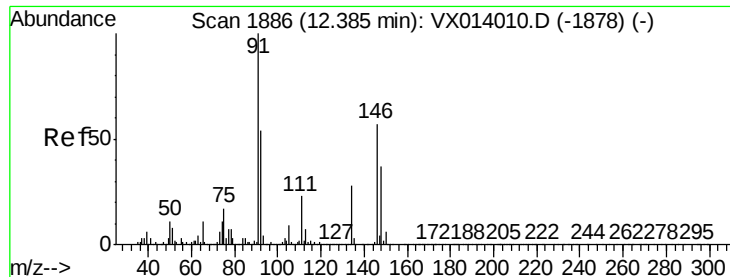
Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Tgt Ion:146 Resp: 619591

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 55.468 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

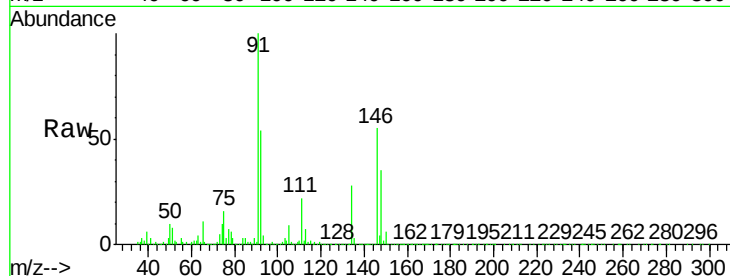
Tgt Ion: 91 Resp: 1075223

Ion Ratio Lower Upper

91 100

92 54.6 27.2 81.6

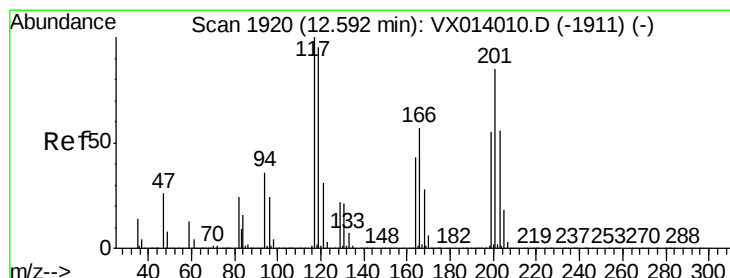
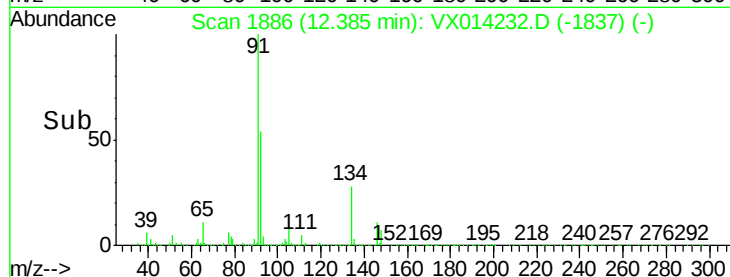
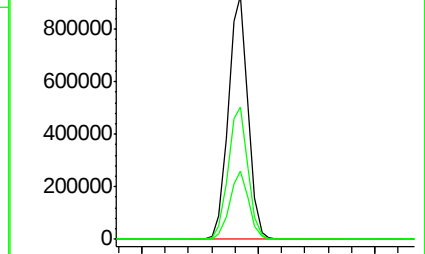
134 27.1 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX014010.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX014010.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX014010.D (-1878) (-)



#90

Hexachloroethane

Concen: 52.161 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX014232.D

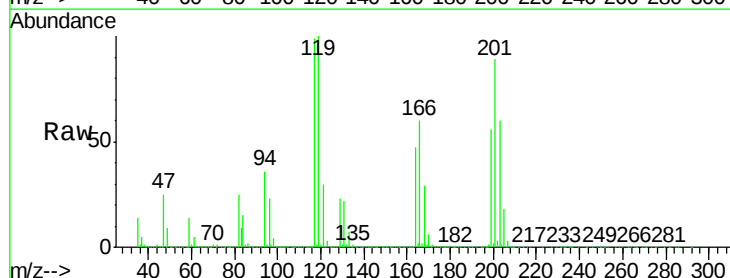
Acq: 24 Dec 2019 09:28

Tgt Ion: 117 Resp: 212847

Ion Ratio Lower Upper

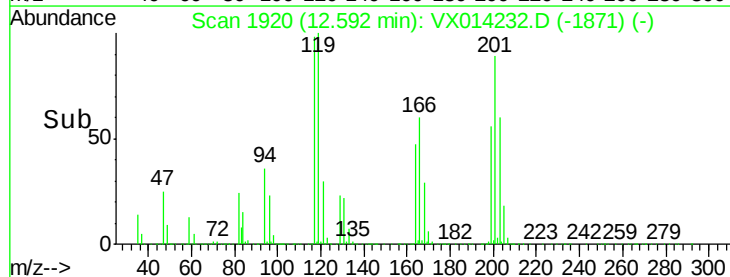
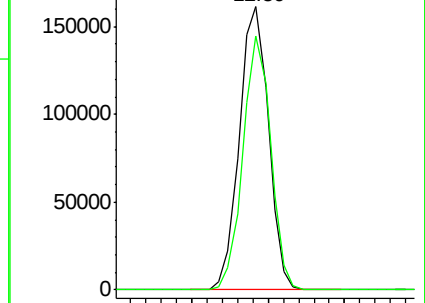
117 100

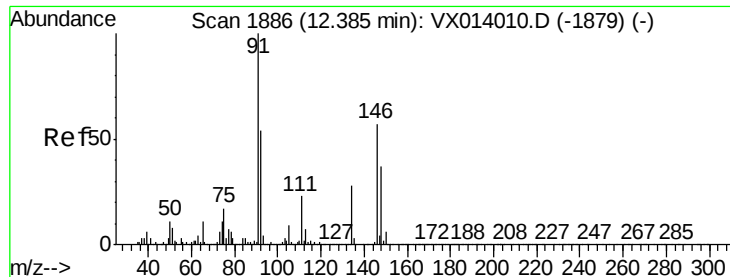
201 85.5 43.1 129.3



Abundance Ion 116.80 (116.50 to 117.50): VX014010.D (-1911) (-)

Ion 200.70 (200.40 to 201.40): VX014010.D (-1911) (-)





#91

1,2-Dichlorobenzene

Concen: 49.620 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

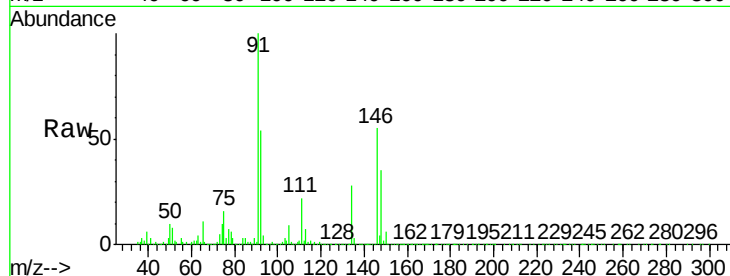
Tgt Ion:146 Resp: 618701

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.1

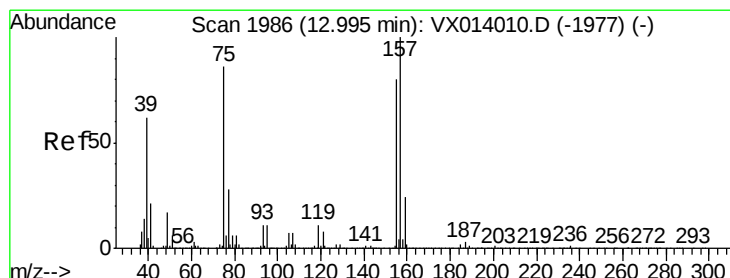
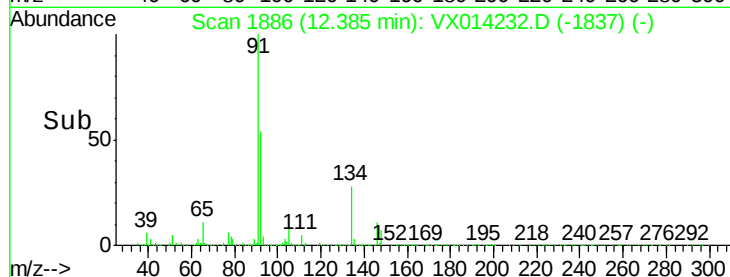
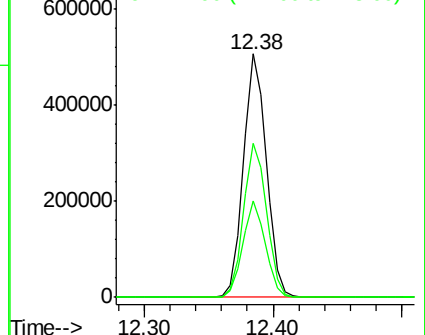
148 63.7 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.116 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX014232.D

Acq: 24 Dec 2019 09:28

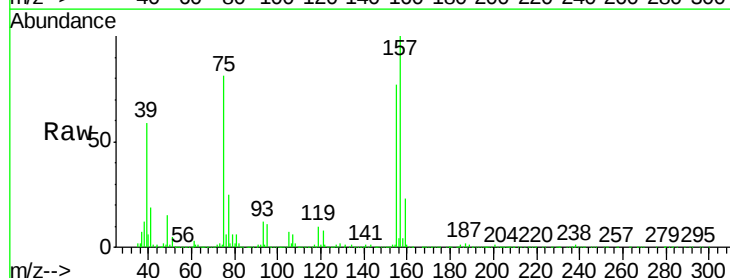
Tgt Ion: 75 Resp: 86939

Ion Ratio Lower Upper

75 100

155 96.7 46.9 140.6

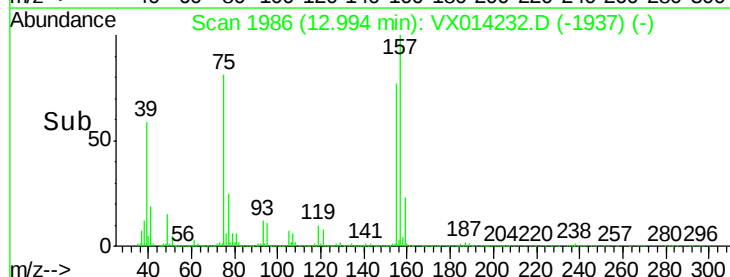
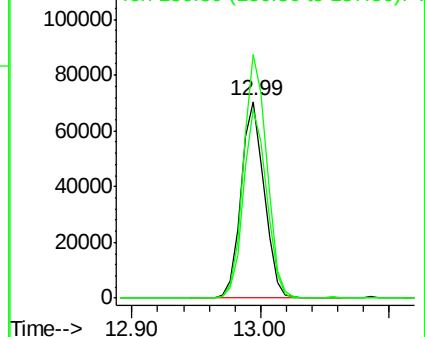
157 124.1 60.8 182.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

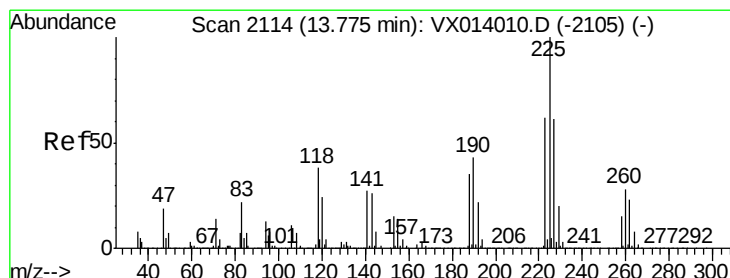
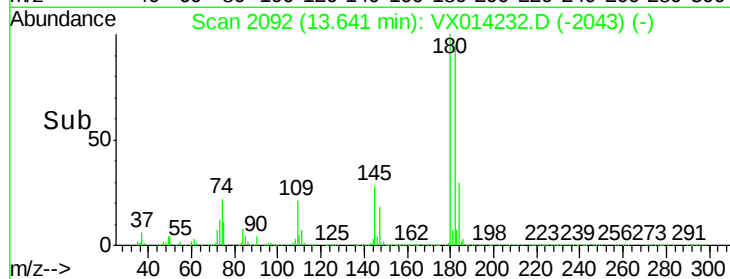
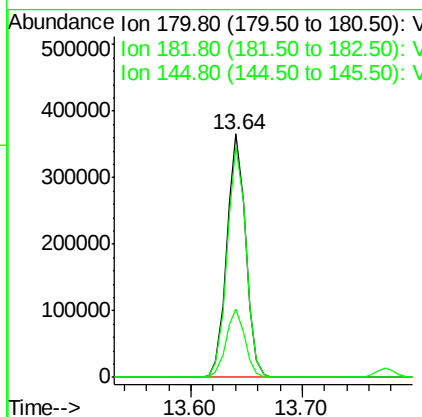
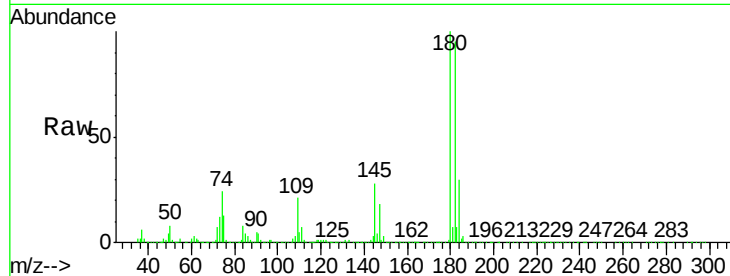




#93
 1,2,4-Trichlorobenzene
 Concen: 52.435 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

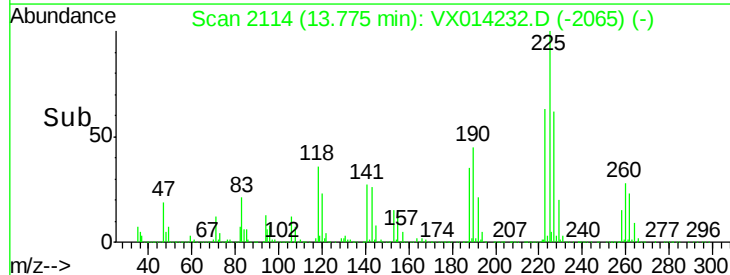
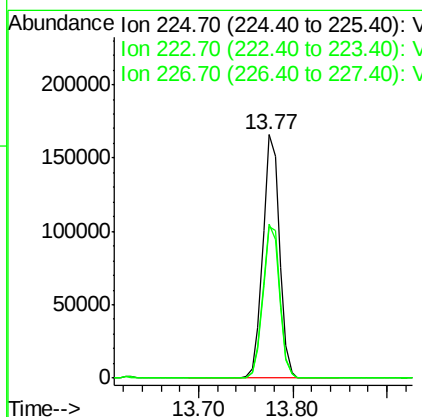
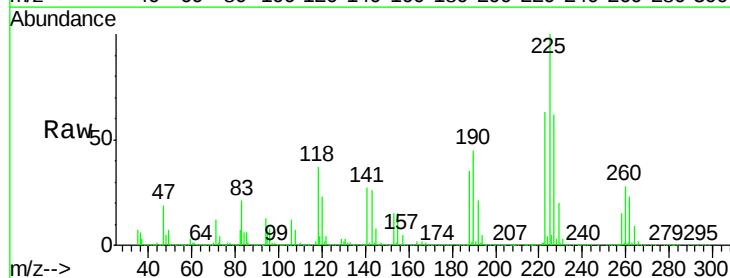
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

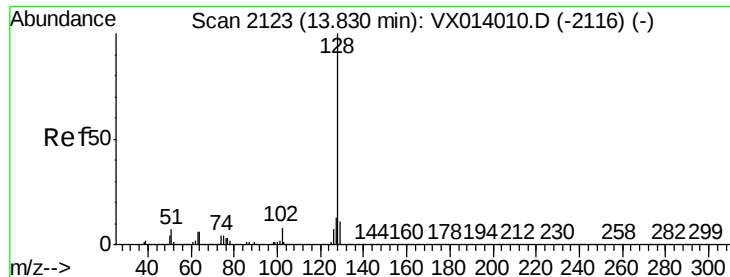
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	28.1	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 52.819 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.5
227	63.8	30.9	92.7

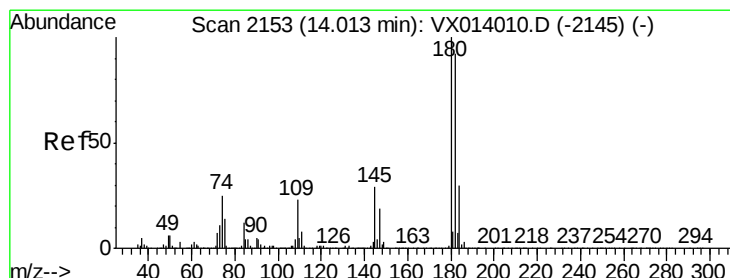
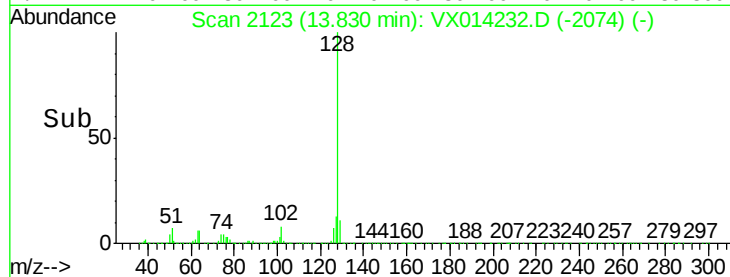
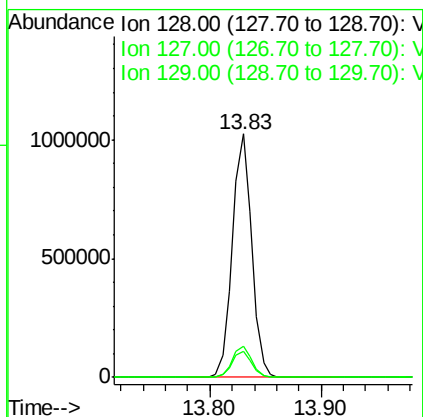
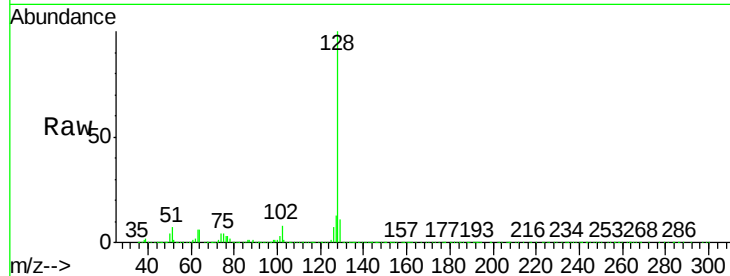




#95
Naphthalene
Concen: 51.478 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1225726
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.228 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion:180 Resp: 417828
Ion Ratio Lower Upper
180 100
182 97.4 46.8 140.3
145 30.5 14.8 44.4

