

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014368.D
 Acq On : 30 Dec 2019 20:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 31 01:13:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	83289	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	466743	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	426313	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	176170	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	11.13	95	204291	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	8.71	98	576653	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	79499	18.896	ug/l 97
3) Chloromethane	1.32	50	114437	19.299	ug/l 97
4) Vinyl Chloride	1.40	62	118701	19.527	ug/l 100
5) Bromomethane	1.64	94	63623	14.318	ug/l 96
6) Chloroethane	1.72	64	80552	21.453	ug/l 98
7) Trichlorofluoromethane	1.92	101	153223	20.256	ug/l 99
8) Diethyl Ether	2.18	74	71690	20.619	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	92780	20.566	ug/l 99
10) 1,1-Dichloroethene	2.37	96	93695	20.089	ug/l 98
11) Methyl Iodide	2.50	142	79319	13.211	ug/l 99
12) Methyl Acetate	2.76	43	158323	21.927	ug/l 98
13) Acrolein	2.28	56	92893	106.075	ug/l 98
14) Acrylonitrile	3.13	53	308245	109.205	ug/l 100
15) Acetone	2.43	58	89753	108.243	ug/l 80
16) Carbon Disulfide	2.56	76	258028	20.422	ug/l 98
17) Allyl chloride	2.72	41	176041	21.005	ug/l 97
18) Methylene Chloride	2.85	84	113972	19.943	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	104123	20.387	ug/l 97
20) Diisopropyl ether	3.84	45	359872	20.927	ug/l 98
21) 1,1-Dichloroethane	3.69	63	188323	20.178	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	117688	19.878	ug/l 97
23) tert-Butyl Alcohol	3.03	59	127970	115.589	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	319013	20.248	ug/l 100
25) Chloroform	5.20	83	183990	20.677	ug/l 97
26) Cyclohexane	5.58	56	170226	20.454	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	139356	20.670	ug/l 99
30) 2-Butanone	4.65	43	431998	108.710	ug/l 100
31) 2,2-Dichloropropane	4.58	77	133164	21.353	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	150945	20.242	ug/l 99
33) Carbon Tetrachloride	5.78	117	127780	20.157	ug/l 98
34) Benzene	6.14	78	434536	20.670	ug/l 96
35) Methacrylonitrile	5.03	41	89995	21.057	ug/l 98
36) 1,2-Dichloroethane	6.18	62	149035	20.409	ug/l 99
37) Trichloroethene	7.21	130	115725	20.231	ug/l 96
38) Methylcyclohexane	7.46	83	167264	20.799	ug/l 99
39) 1,2-Dichloropropane	7.51	63	112112	20.533	ug/l 96
40) Dibromomethane	7.65	93	71979	20.636	ug/l 99

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Quant Time: Dec 31 01:13:46 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	138482	20.504	ug/l	99
42) Vinyl Acetate	3.80	43	1512548	107.808	ug/l	100
43) Ethyl Acetate	4.82	43	169980	22.292	ug/l	99
44) Isopropyl Acetate	6.43	43	265061	20.755	ug/l	99
45) 1,4-Dioxane	7.73	88	52872	442.089	ug/l	99
46) Methyl methacrylate	7.76	41	129944	20.947	ug/l	97
47) n-amyl Acetate	10.89	43	221286	19.487	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	147801	20.051	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	167654	20.224	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	112087	20.822	ug/l	98
51) Ethyl methacrylate	9.17	69	171626	20.044	ug/l	99
52) 1,3-Dichloropropane	9.37	76	187024	20.449	ug/l	99
53) Dibromochloromethane	9.57	129	107951	20.055	ug/l	99
54) 1,2-Dibromoethane	9.67	107	112753	20.344	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	370324	98.113	ug/l	99
56) Bromoform	10.85	173	81205	19.346	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	848453	106.369	ug/l	99
59) 2-Hexanone	9.48	43	642047	106.065	ug/l	99
61) Tetrachloroethene	9.33	164	115972	20.563	ug/l	99
62) Toluene	8.78	91	460836	20.325	ug/l	99
64) Chlorobenzene	10.14	112	284815	20.050	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	104028	19.777	ug/l	100
66) Ethyl Benzene	10.25	91	498301	20.082	ug/l	98
67) m/p-Xylenes	10.35	106	379460	40.005	ug/l	99
68) o-Xylene	10.70	106	184175	19.600	ug/l	100
69) Styrene	10.71	104	308884	19.330	ug/l	99
70) Isopropylbenzene	11.01	105	485845	20.008	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	169802	19.718	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	186631	24.348	ug/l	95
73) Bromobenzene	11.25	156	126393	19.498	ug/l	99
74) n-propylbenzene	11.35	91	550621	19.992	ug/l	100
75) 2-Chlorotoluene	11.42	91	330316	19.849	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	407480	19.781	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	49613	19.600	ug/l	95
78) 4-Chlorotoluene	11.51	91	370740	19.496	ug/l	98
79) tert-butylbenzene	11.76	119	382106	19.245	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	404198	19.624	ug/l	99
81) sec-Butylbenzene	11.94	105	466433	19.750	ug/l	100
82) p-Isopropyltoluene	12.06	119	419782	19.697	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	222610	19.703	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	216607	19.253	ug/l	100
85) n-Butylbenzene	12.38	91	355978	19.866	ug/l	100
86) Hexachloroethane	12.59	117	72499	18.752	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	222714	19.407	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	35287	20.559	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	142096	19.373	ug/l	99
90) Hexachlorobutadiene	13.77	225	70131	20.116	ug/l	99
91) Naphthalene	13.83	128	448984	20.366	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	146616	19.708	ug/l	99

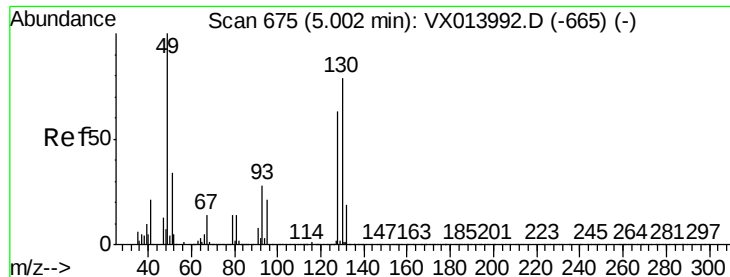
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

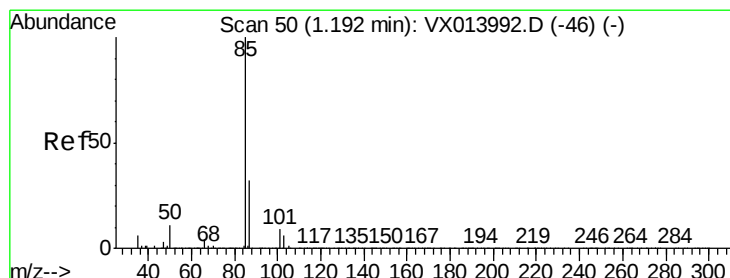
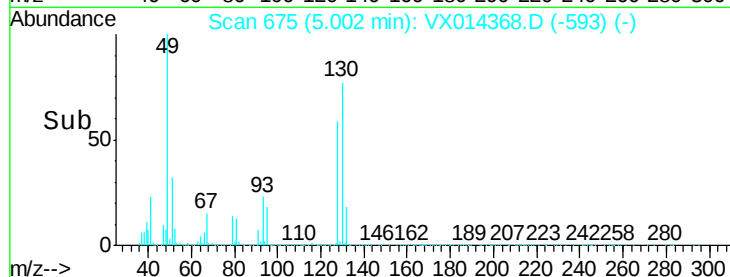
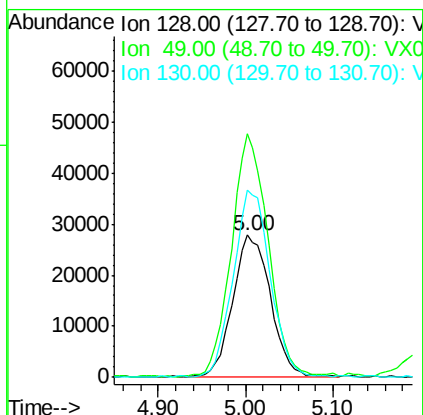
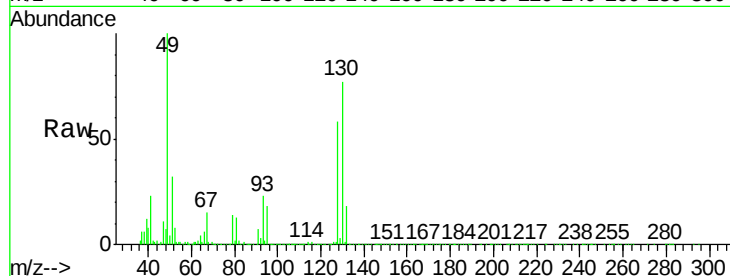


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

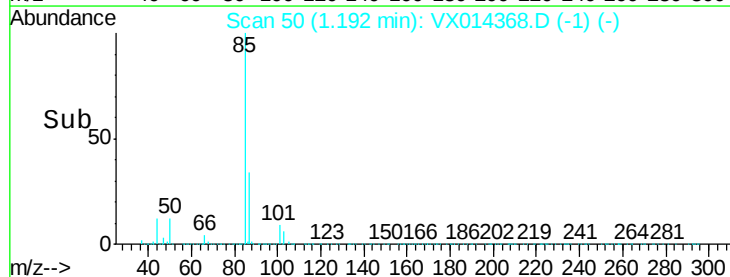
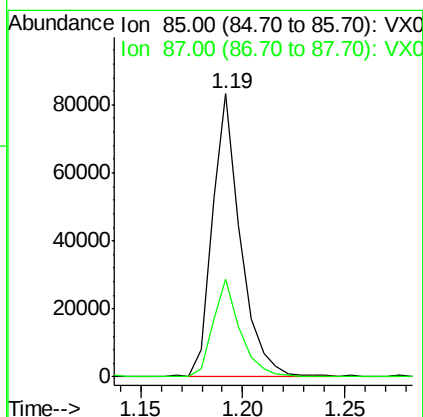
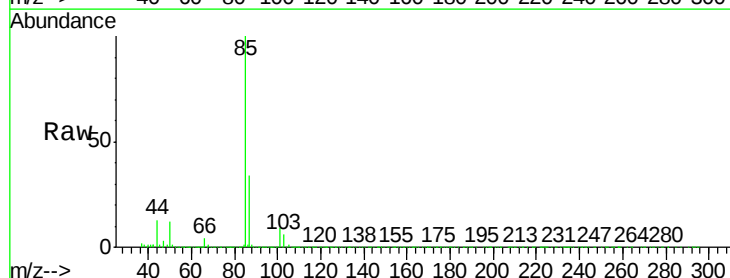
Tot Ion:128 Resp: 83289
 Ion Ratio Lower Upper
 128 100
 49 165.6 0.0 405.0
 130 129.9 0.0 321.5

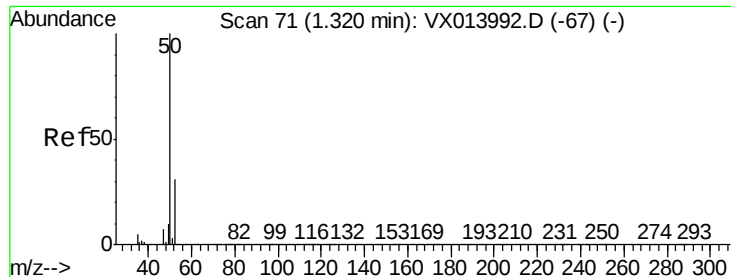


#2

Dichlorodifluoromethane
 Concen: 18.896 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion: 85 Resp: 79499
 Ion Ratio Lower Upper
 85 100
 87 34.2 16.3 48.9

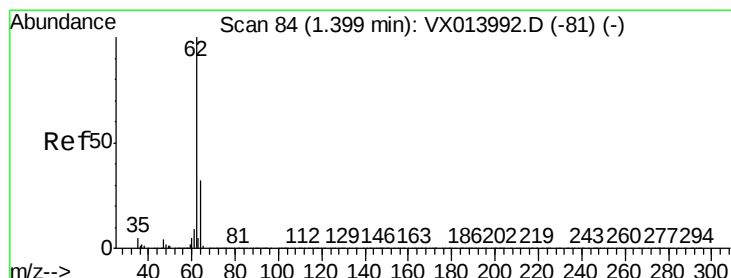
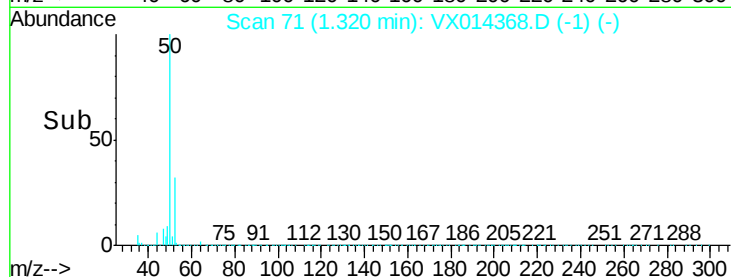
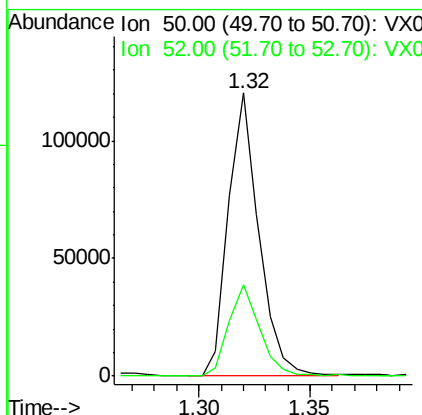
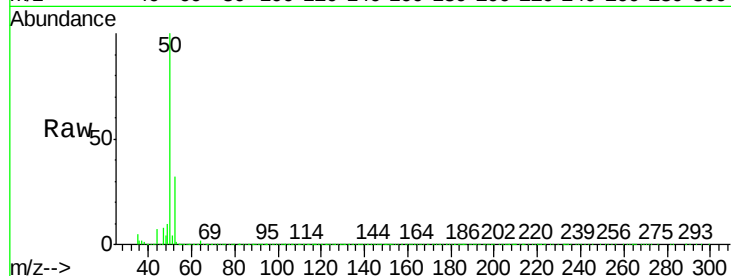




#3
Chloromethane
Concen: 19.299 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

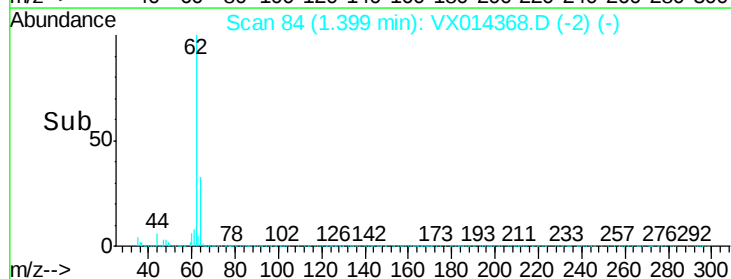
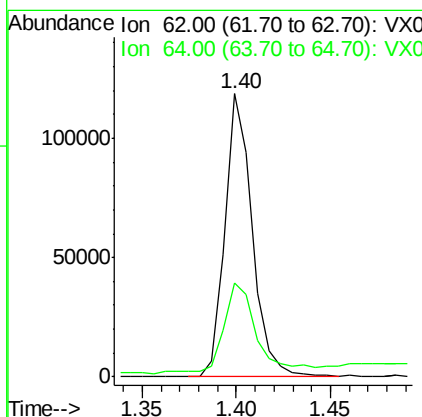
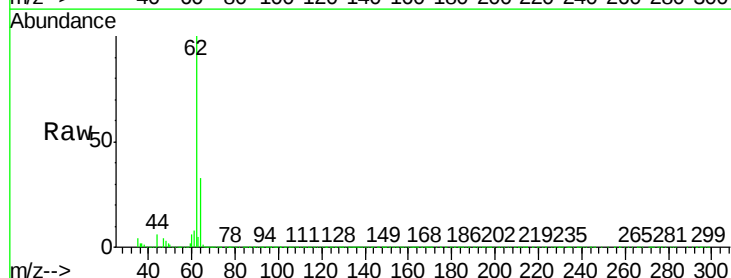
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

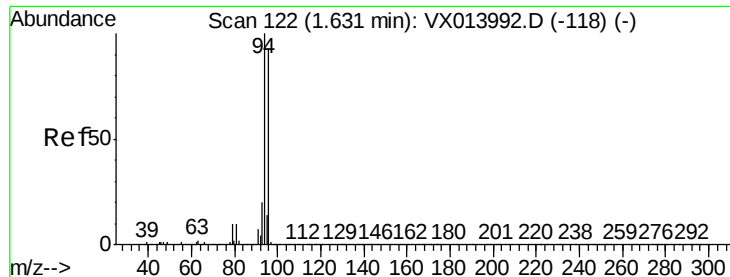
Tot Ion: 50 Resp: 114437
Ion Ratio Lower Upper
50 100
52 32.0 24.3 36.5



#4
Vinyl Chloride
Concen: 19.527 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 62 Resp: 118701
Ion Ratio Lower Upper
62 100
64 31.4 25.2 37.8





#5

Bromomethane

Concen: 14.318 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

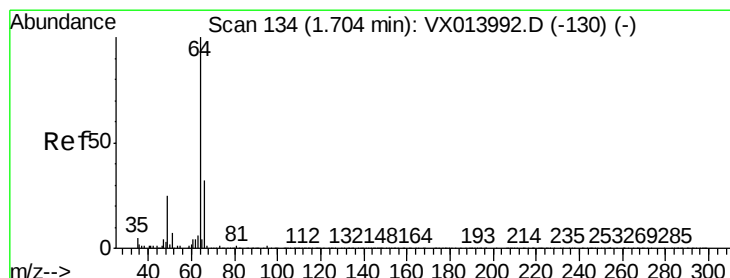
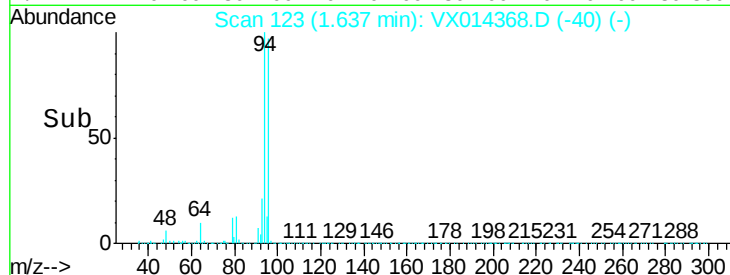
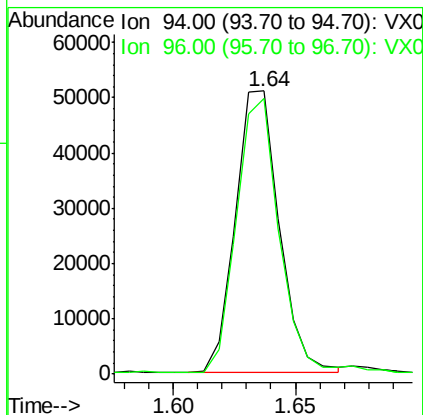
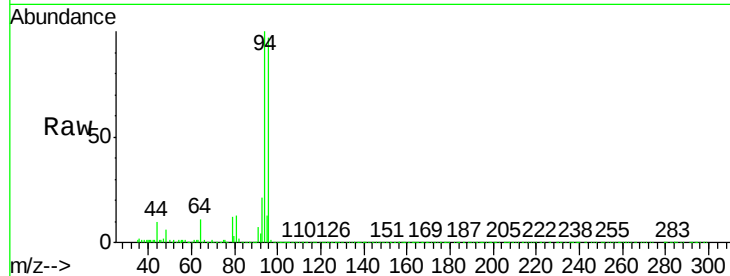
VSTDCCC020EC

Tot Ion: 94 Resp: 63623

Ion Ratio Lower Upper

94 100

96 97.3 74.4 111.6



#6

Chloroethane

Concen: 21.453 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014368.D

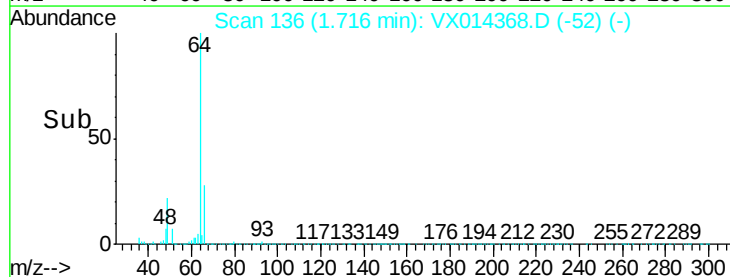
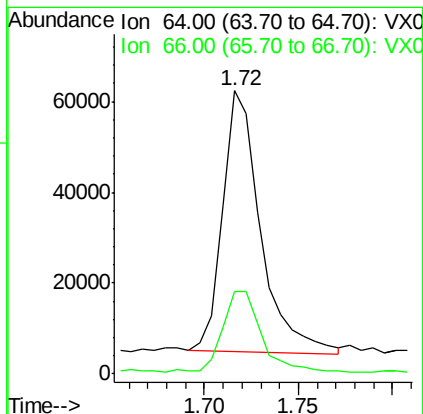
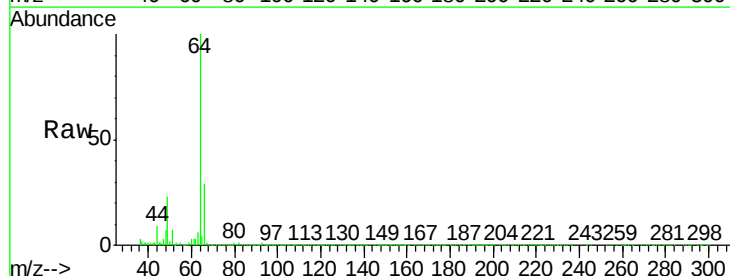
Acq: 30 Dec 2019 20:49

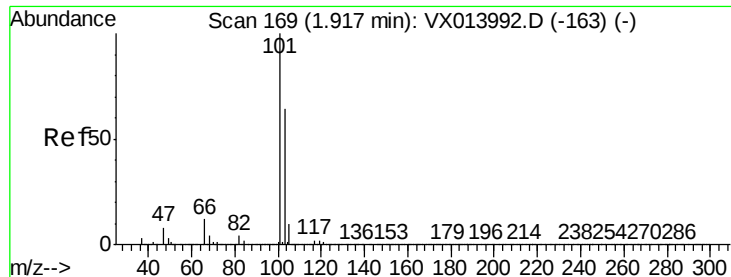
Tgt Ion: 64 Resp: 80552

Ion Ratio Lower Upper

64 100

66 30.6 25.2 37.8



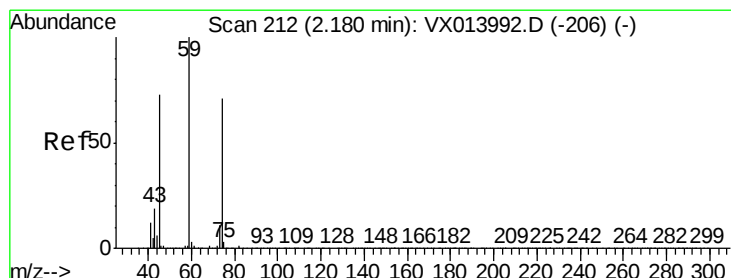
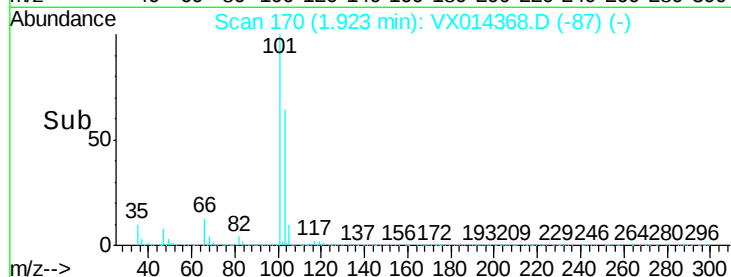
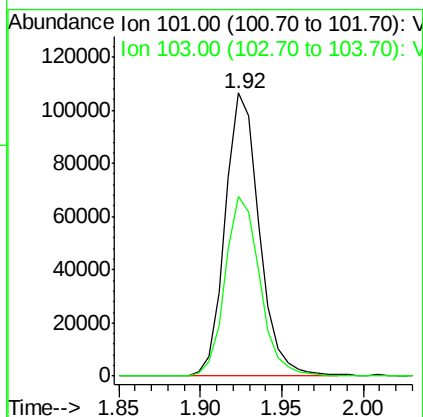
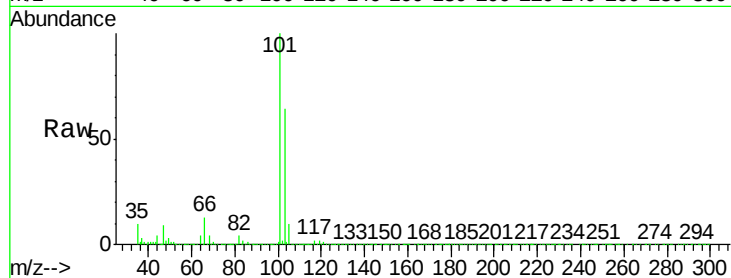


#7

Trichlorofluoromethane
Concen: 20.256 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

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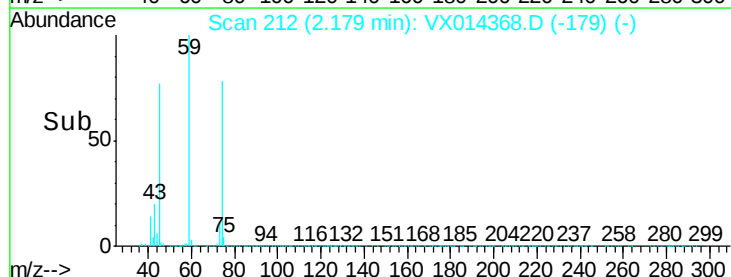
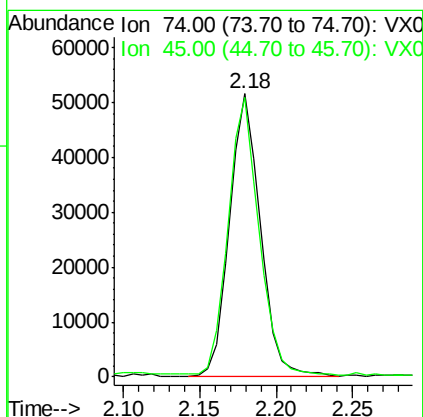
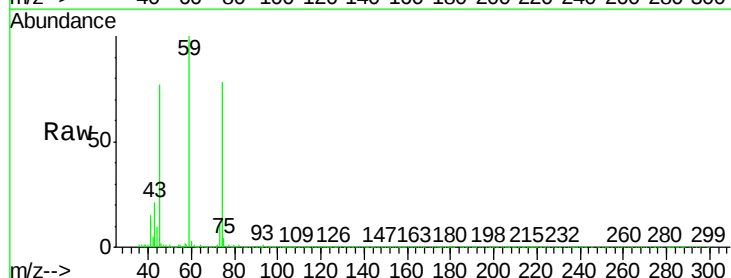
Tot Ion:101 Resp: 153223
Ion Ratio Lower Upper
101 100
103 63.6 51.6 77.4

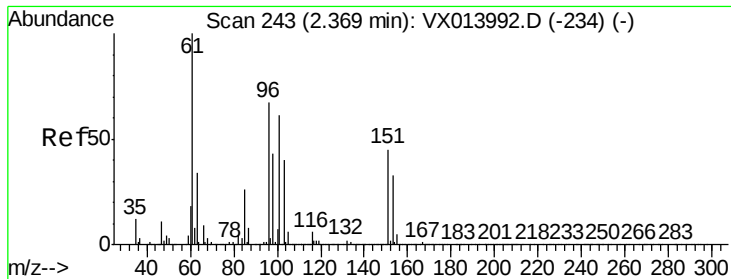


#8

Diethyl Ether
Concen: 20.619 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 74 Resp: 71690
Ion Ratio Lower Upper
74 100
45 98.5 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.566 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

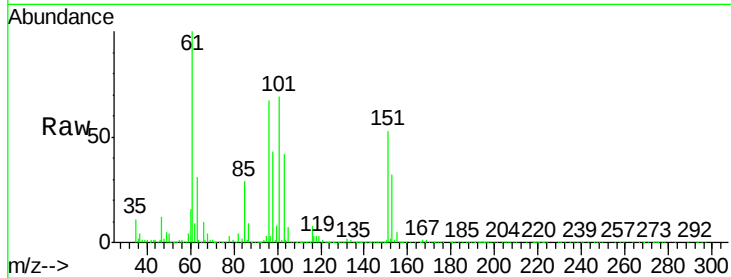
Tot Ion:101 Resp: 92780

Ion Ratio Lower Upper

101 100

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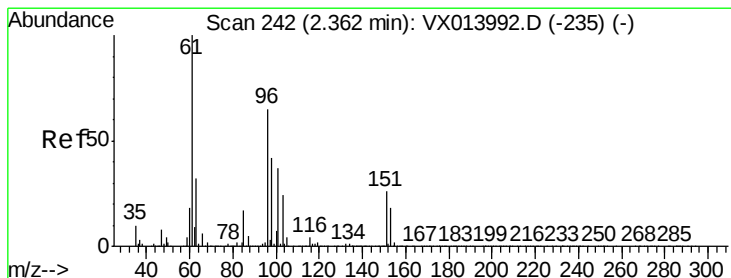
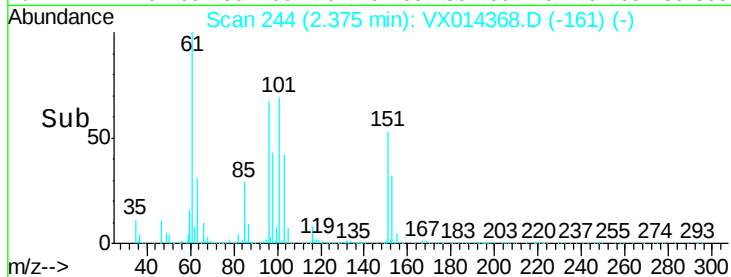
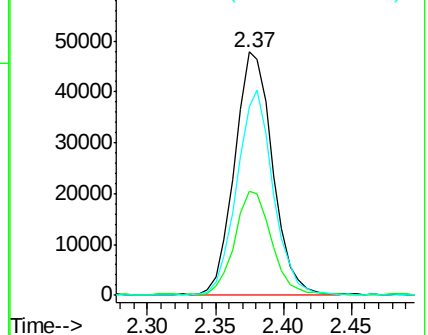
151 81.0 0.0 159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.089 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

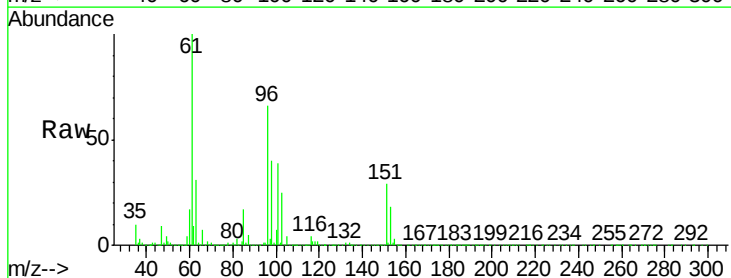
Tgt Ion: 96 Resp: 93695

Ion Ratio Lower Upper

96 100

61 151.8 123.0 184.6

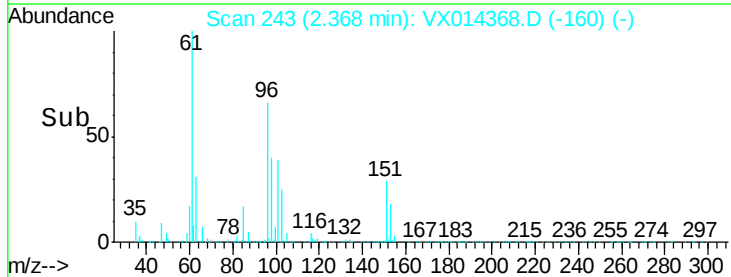
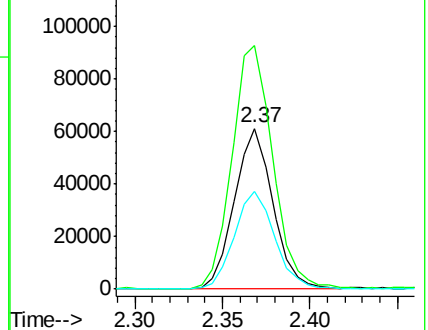
98 60.5 51.4 77.0

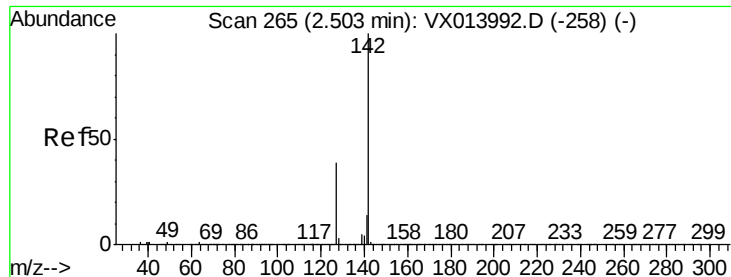


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

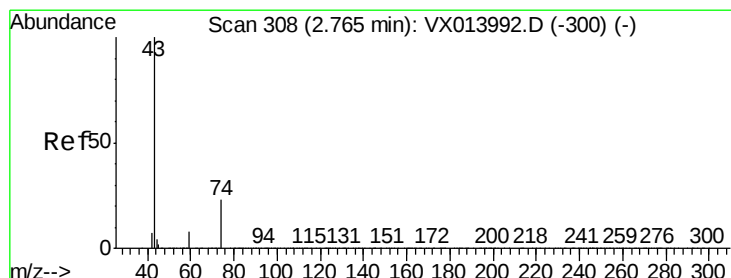
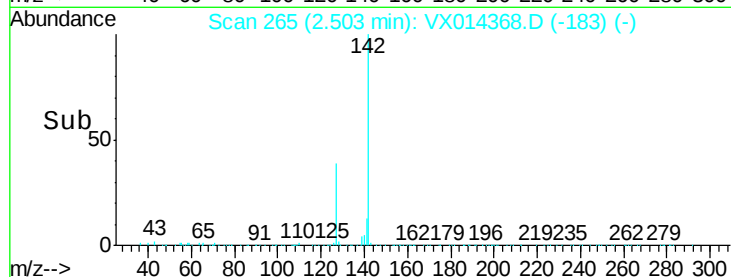
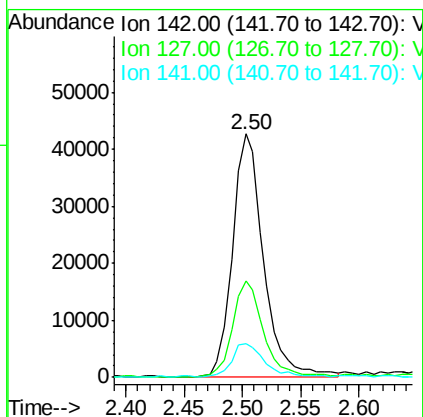
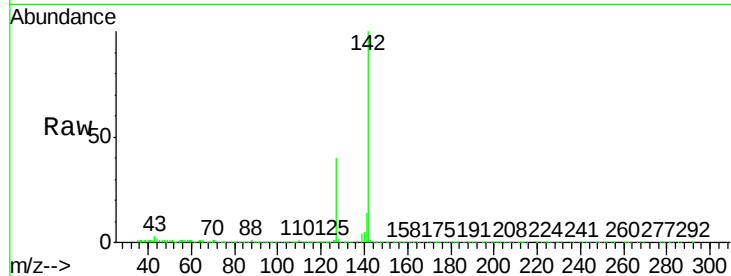




#11
Methvl Iodide
Concen: 13.211 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

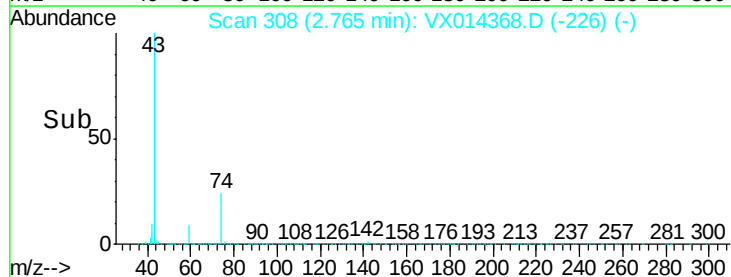
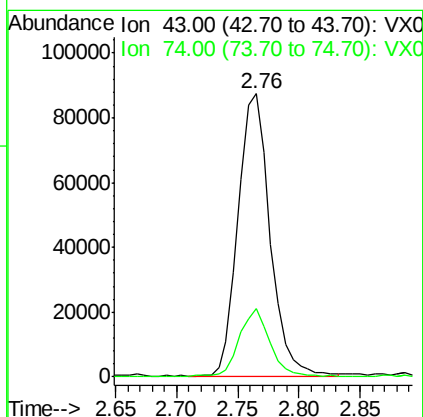
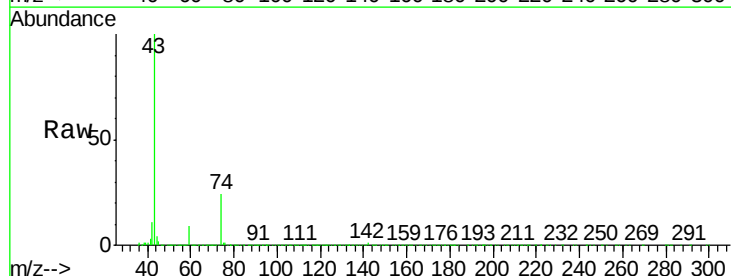
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

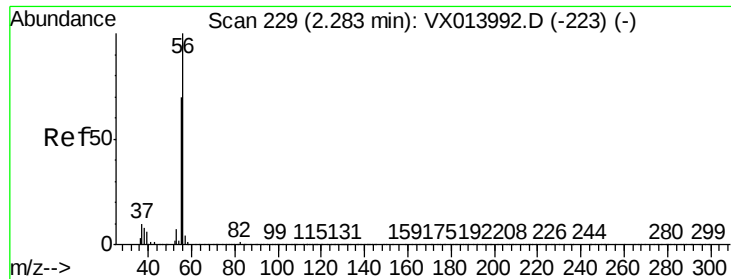
Tot Ion:142 Resp: 79319
Ion Ratio Lower Upper
142 100
127 39.4 19.5 58.5
141 13.3 7.0 20.9



#12
Methyl Acetate
Concen: 21.927 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 43 Resp: 158323
Ion Ratio Lower Upper
43 100
74 24.1 18.5 27.7





#13

Acrolein

Concen: 106.075 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

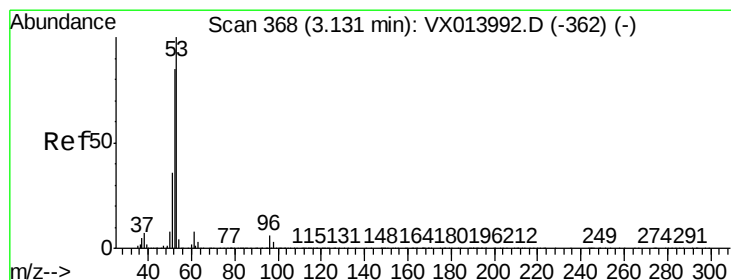
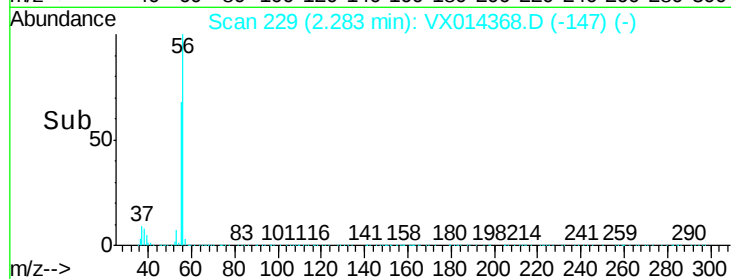
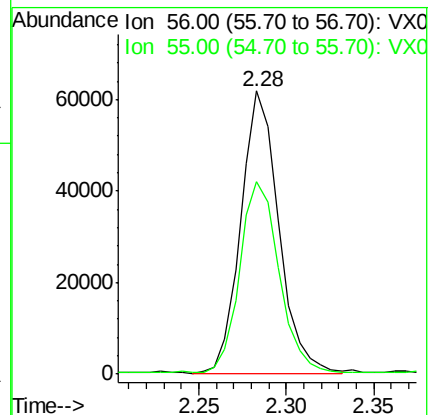
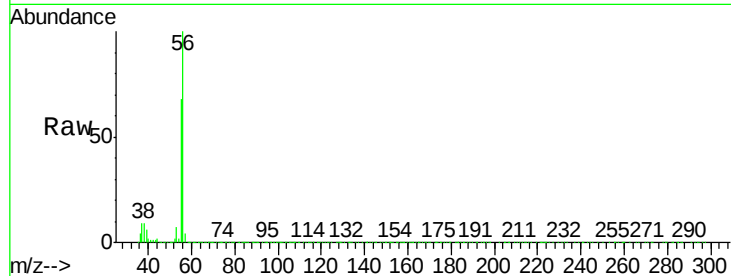
VSTDCCC020EC

Tot Ion: 56 Resp: 92893

Ion Ratio Lower Upper

56 100

55 70.2 54.9 82.3



#14

Acrylonitrile

Concen: 109.205 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

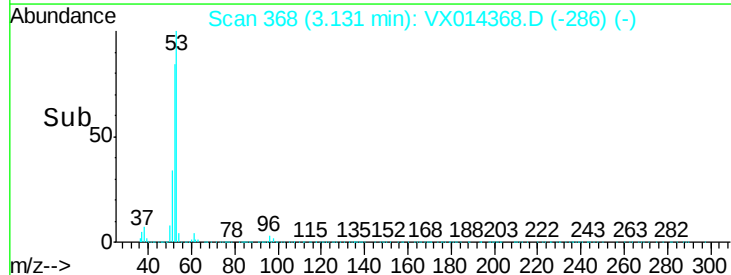
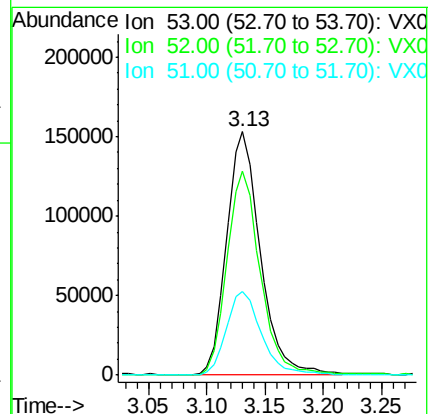
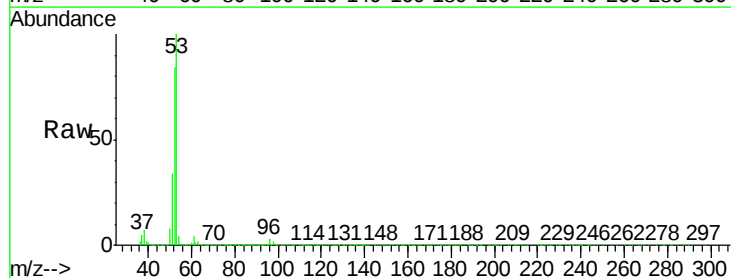
Tgt Ion: 53 Resp: 308245

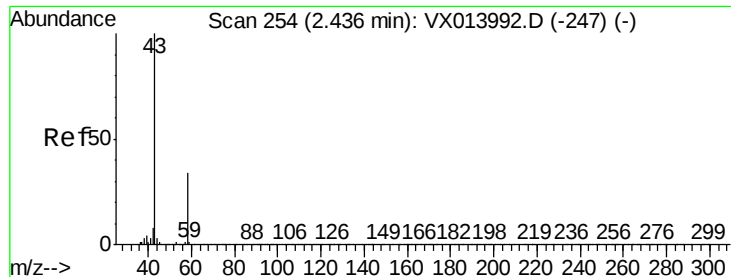
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 35.6 17.8 53.5





#15

Acetone

Concen: 108.243 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

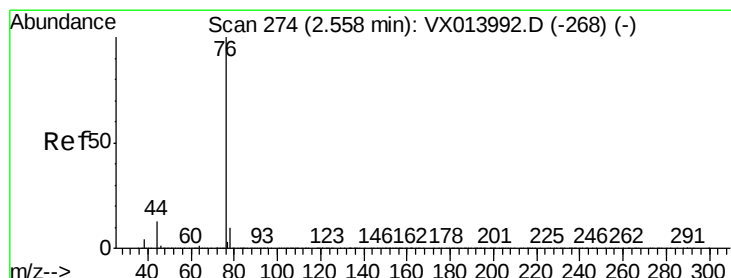
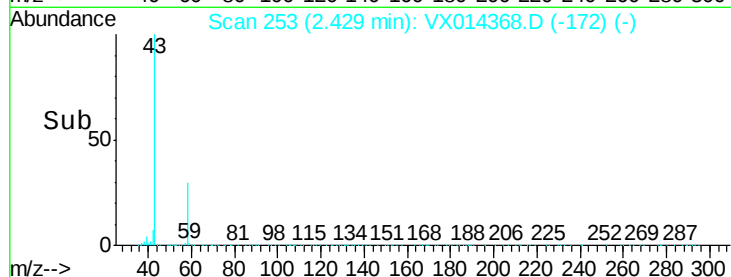
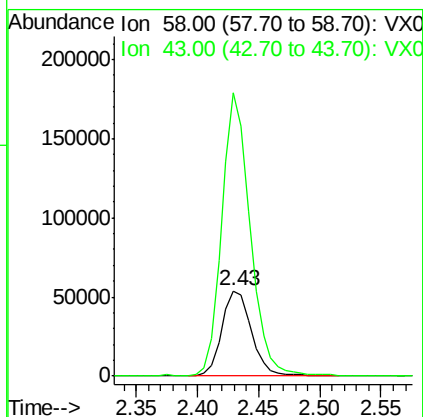
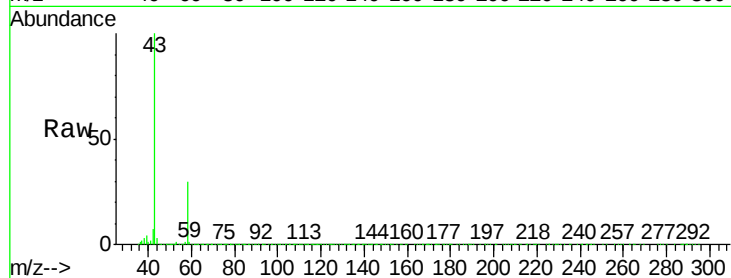
VSTDCCC020EC

Tot Ion: 58 Resp: 89753

Ion Ratio Lower Upper

58 100

43 333.5 236.3 354.5



#16

Carbon Disulfide

Concen: 20.422 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014368.D

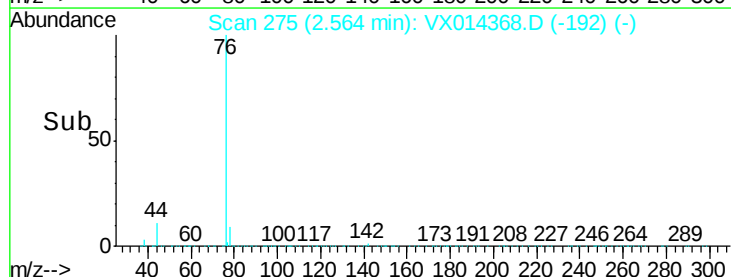
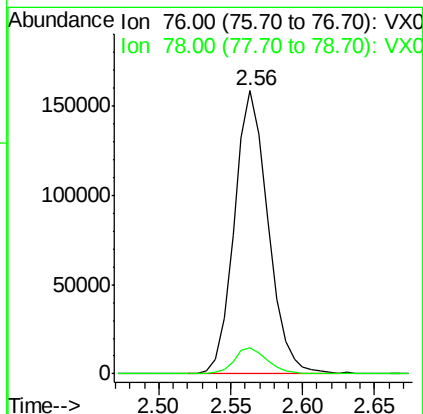
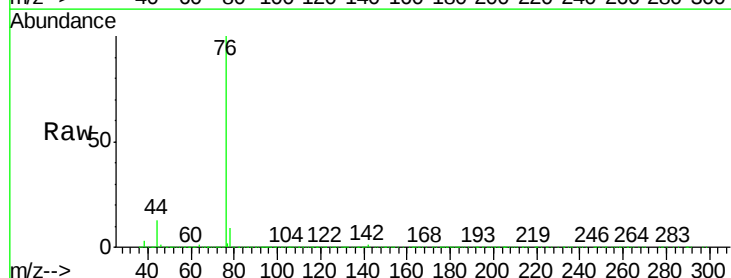
Acq: 30 Dec 2019 20:49

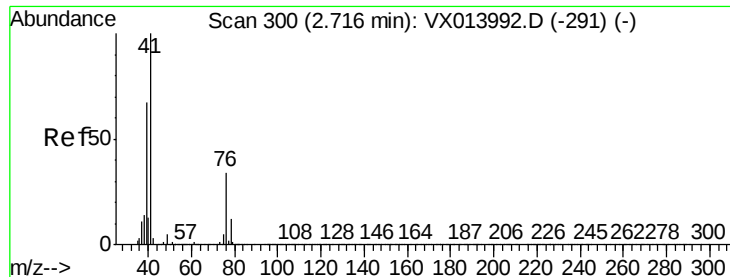
Tgt Ion: 76 Resp: 258028

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8

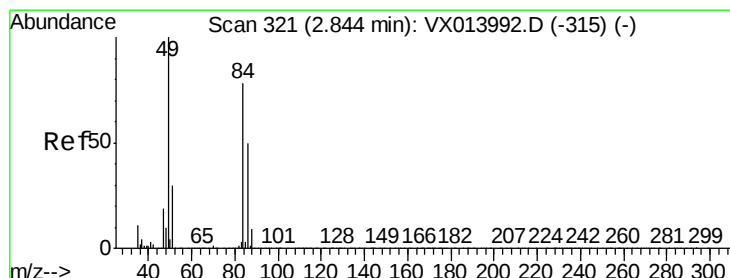
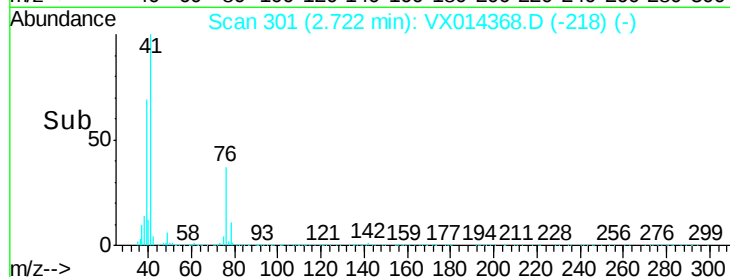
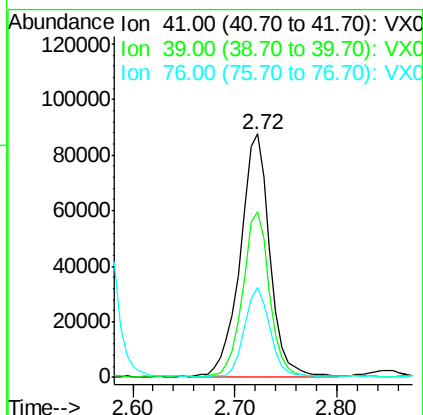
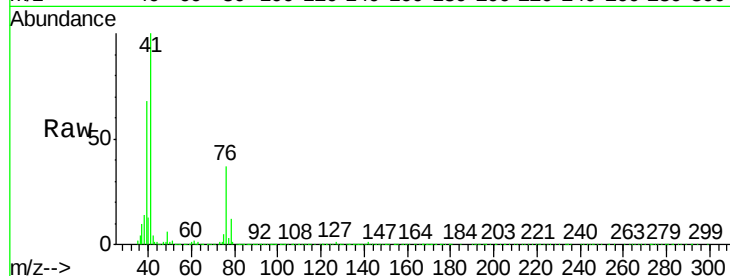




#17
Allvl chloride
Concen: 21.005 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

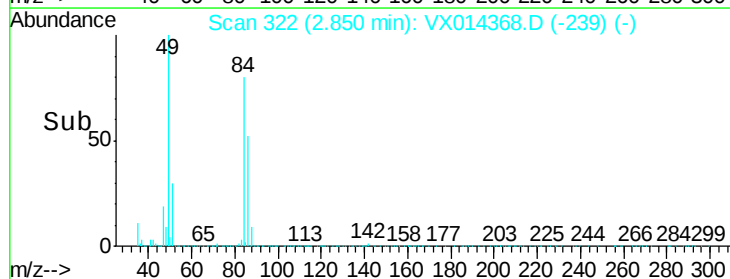
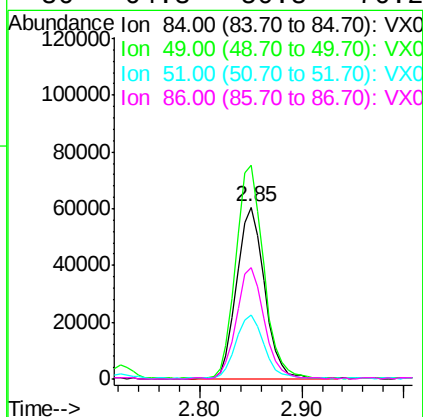
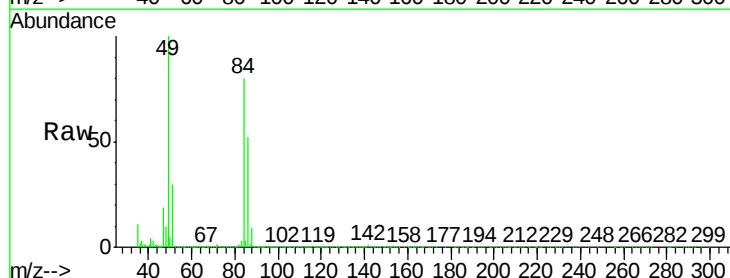
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

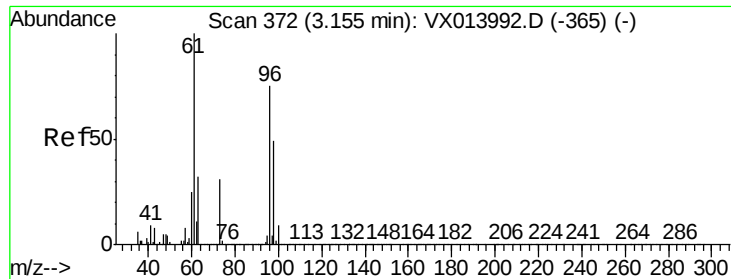
Tot Ion: 41 Resp: 176041
Ion Ratio Lower Upper
41 100
39 68.2 33.4 100.2
76 36.6 17.0 50.9



#18
Methylene Chloride
Concen: 19.943 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 84 Resp: 113972
Ion Ratio Lower Upper
84 100
49 124.1 102.2 153.2
51 36.9 31.4 47.0
86 64.3 50.8 76.2

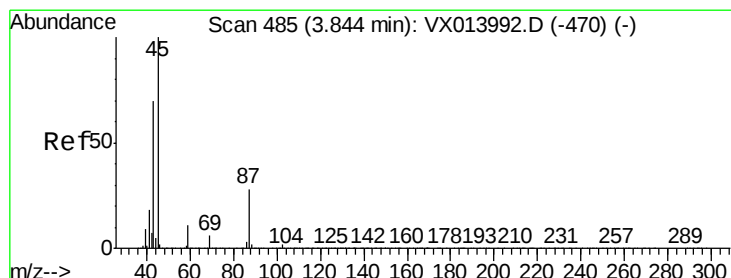
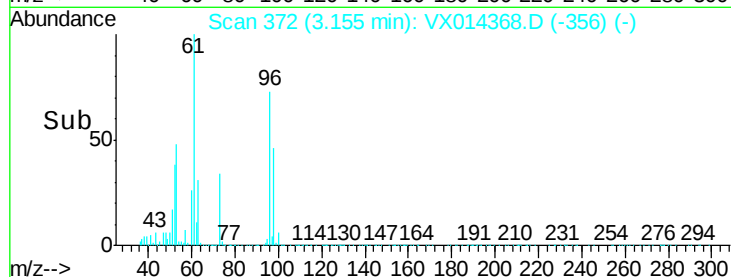
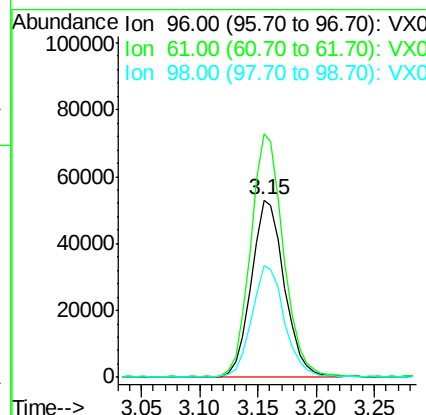
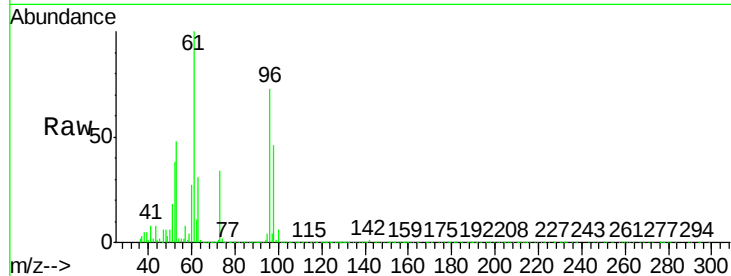




#19
trans-1,2-Dichloroethene
Concen: 20.387 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

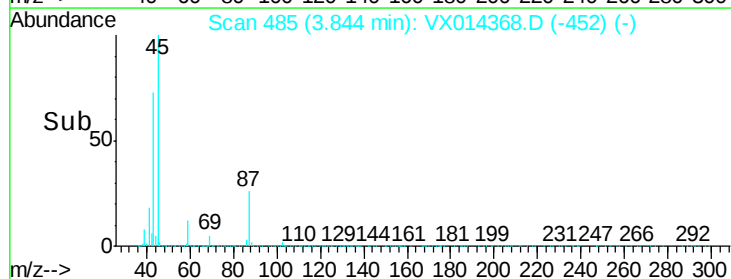
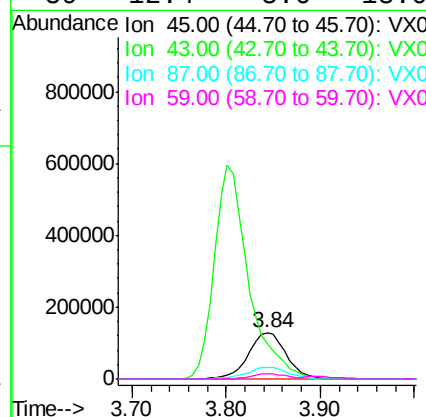
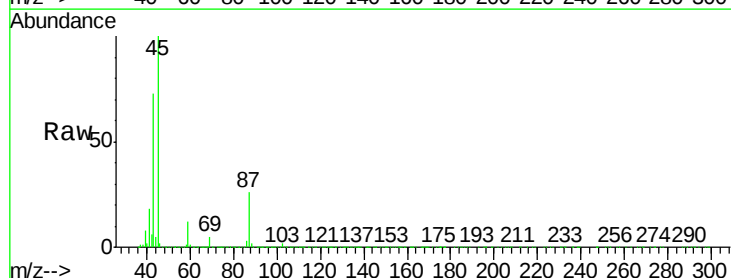
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

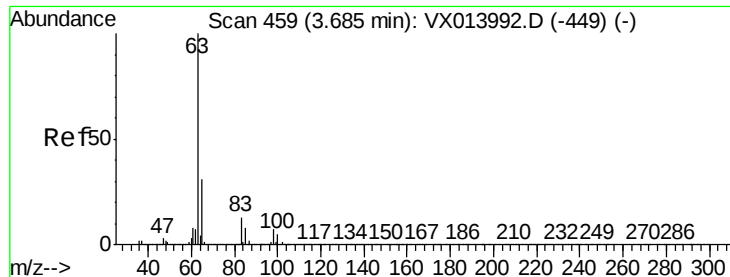
Tot Ion: 96 Resp: 104123
Ion Ratio Lower Upper
96 100
61 137.0 106.6 159.8
98 62.9 51.6 77.4



#20
Diisopropyl ether
Concen: 20.927 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 45 Resp: 359872
Ion Ratio Lower Upper
45 100
43 71.4 55.9 83.9
87 26.0 22.2 33.2
59 12.4 8.6 13.0





#21

1,1-Dichloroethane

Concen: 20.178 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

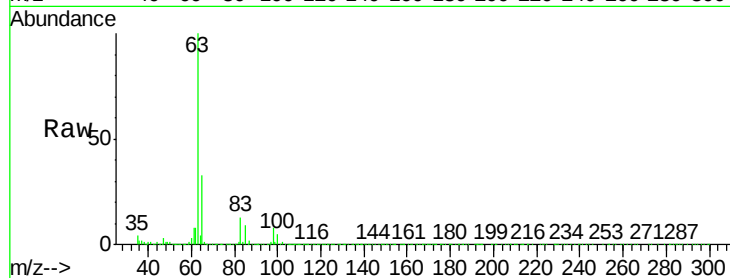
Tot Ion: 63 Resp: 188323

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

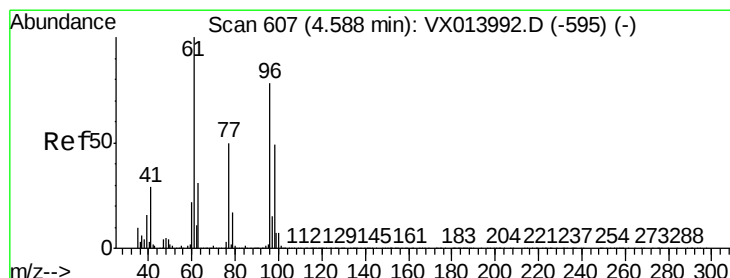
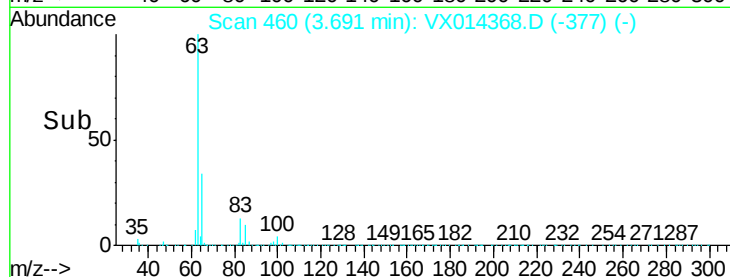
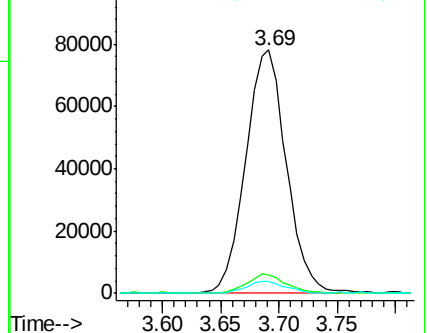
100 4.8 2.5 7.4



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.878 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

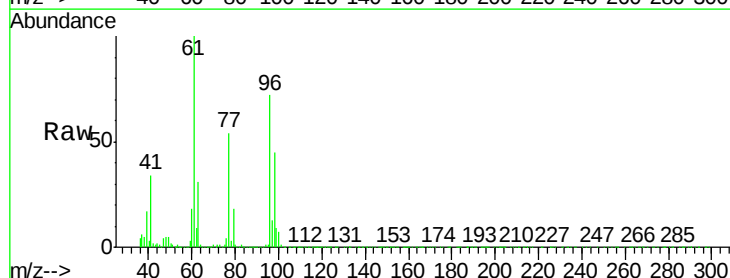
Tgt Ion: 96 Resp: 117688

Ion Ratio Lower Upper

96 100

61 144.7 112.4 168.6

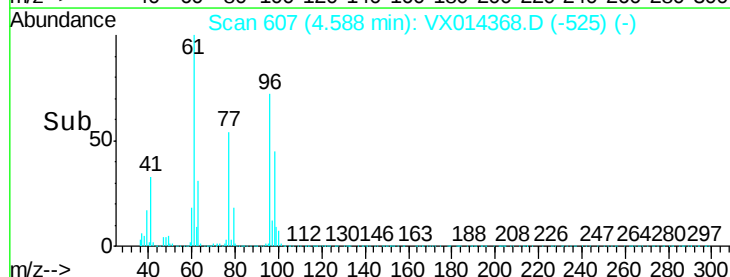
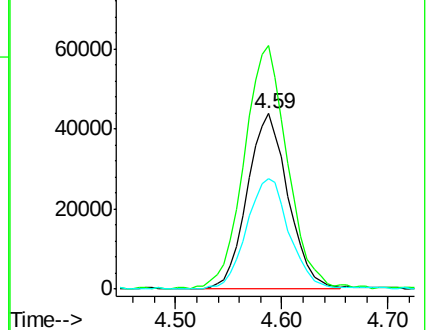
98 65.1 50.3 75.5

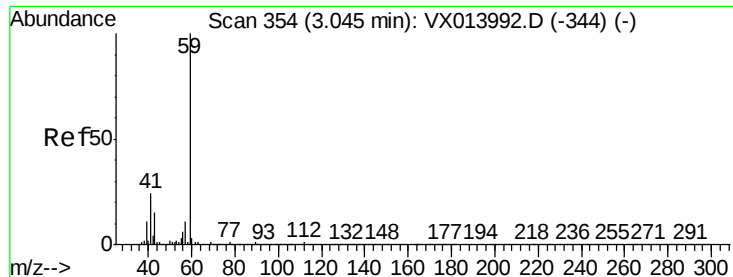


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 115.589 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.02 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

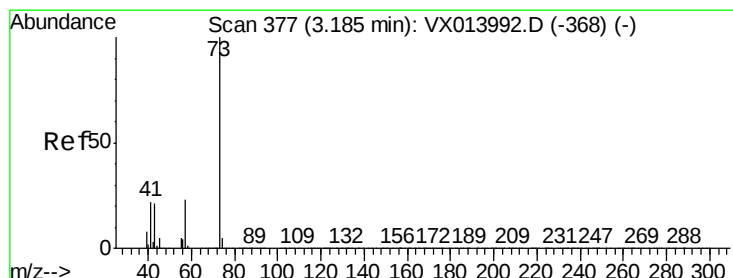
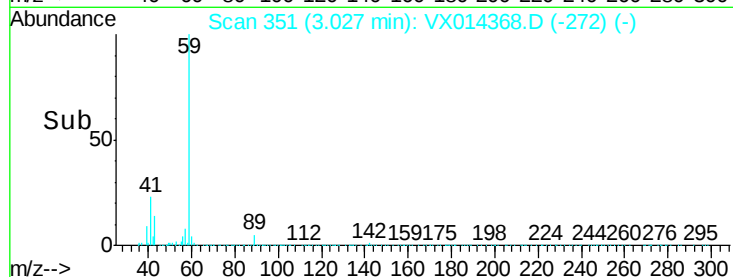
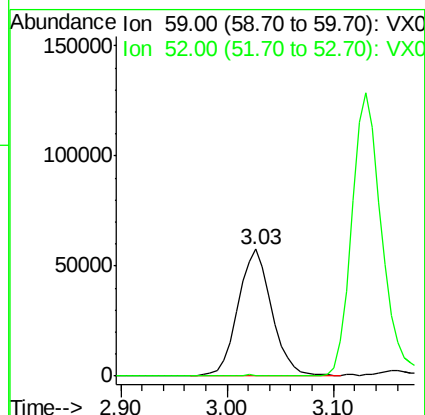
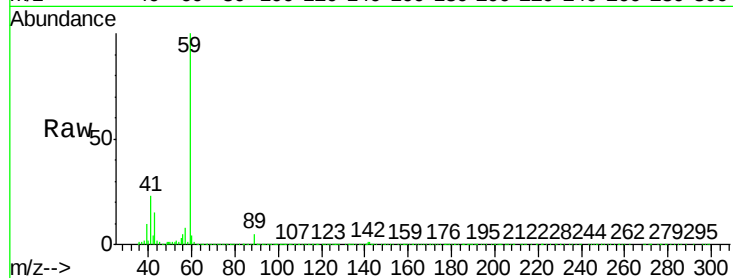
VSTDCCC020EC

Tot Ion: 59 Resp: 127970

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.2



#24

Methyl tert-Butyl Ether

Concen: 20.248 ug/l

RT: 3.19 min Scan# 377

Delta R.T. -0.00 min

Lab File: VX014368.D

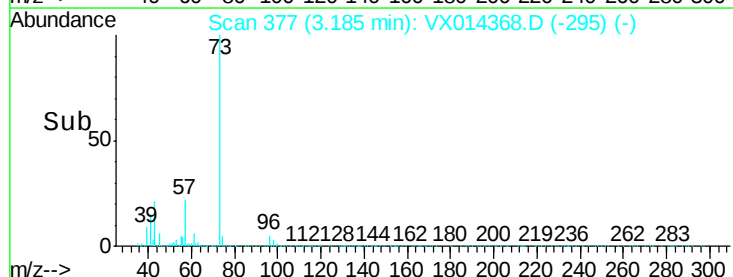
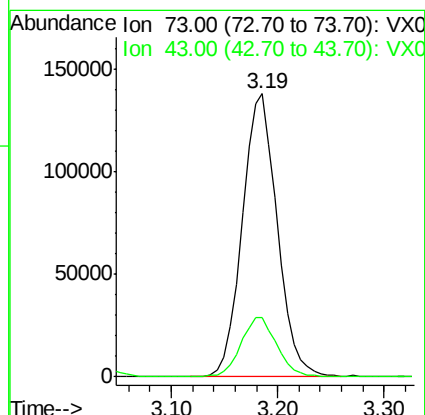
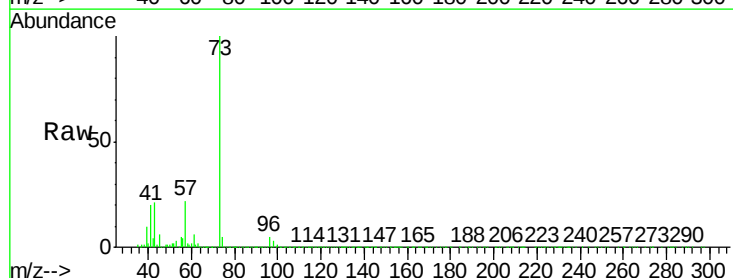
Acq: 30 Dec 2019 20:49

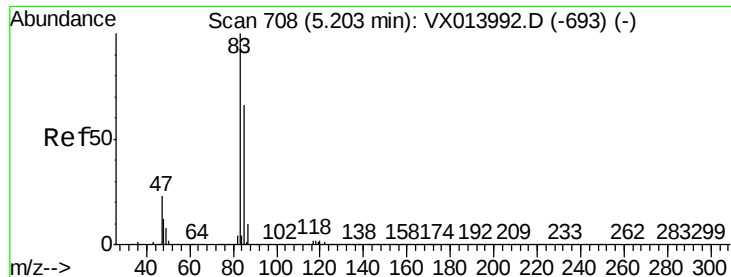
Tgt Ion: 73 Resp: 319013

Ion Ratio Lower Upper

73 100

43 20.7 16.6 25.0





#25

Chloroform

Concen: 20.677 ug/l

RT: 5.20 min Scan# 708

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

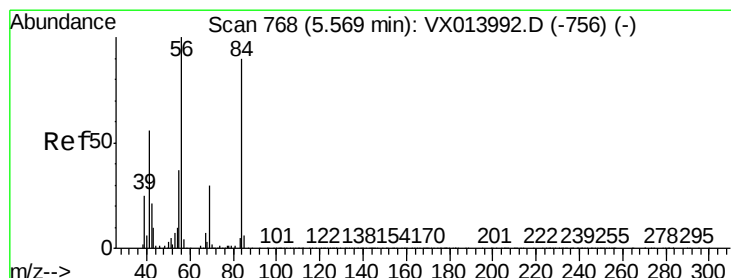
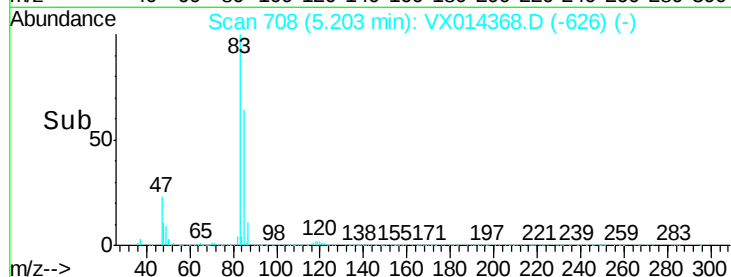
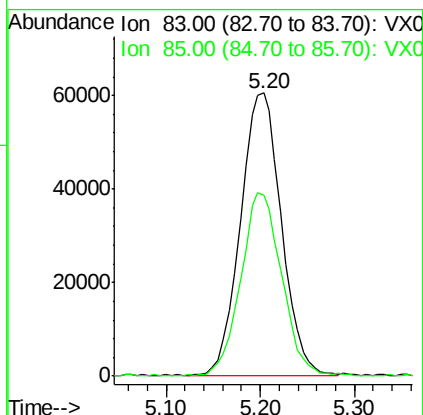
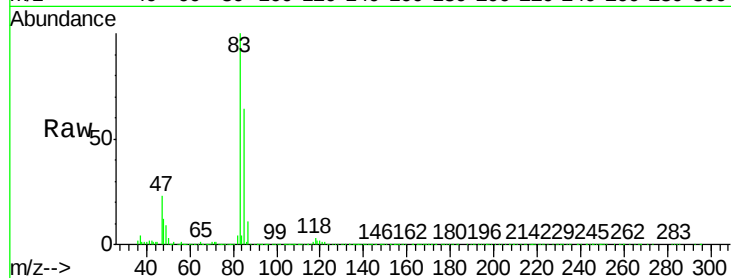
VSTDCCC020EC

Tot Ion: 83 Resp: 183990

Ion Ratio Lower Upper

83 100

85 63.5 52.7 79.1



#26

Cyclohexane

Concen: 20.454 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

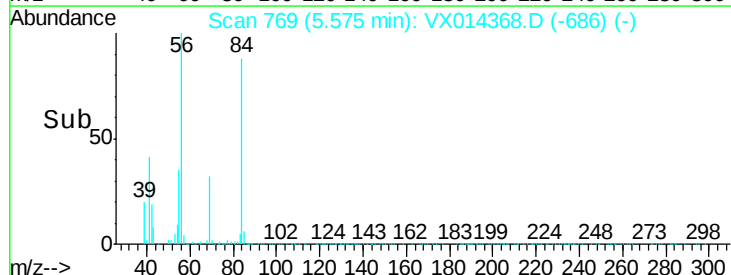
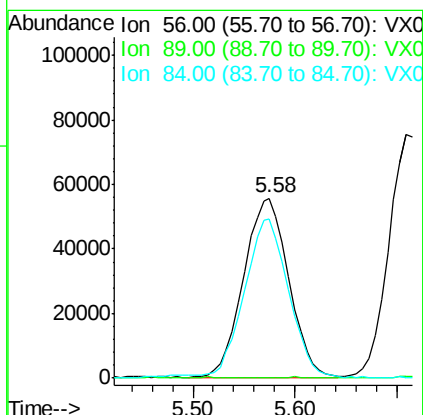
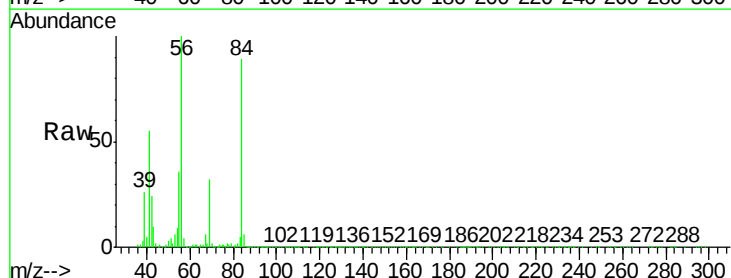
Tgt Ion: 56 Resp: 170226

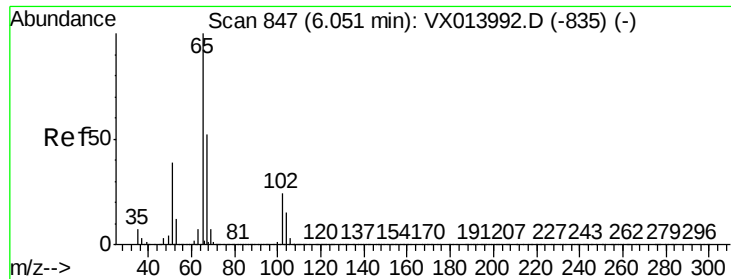
Ion Ratio Lower Upper

56 100

89 0.3 0.1 0.1#

84 86.7 70.8 106.2

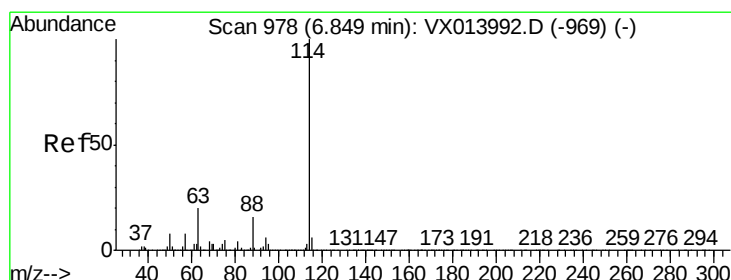
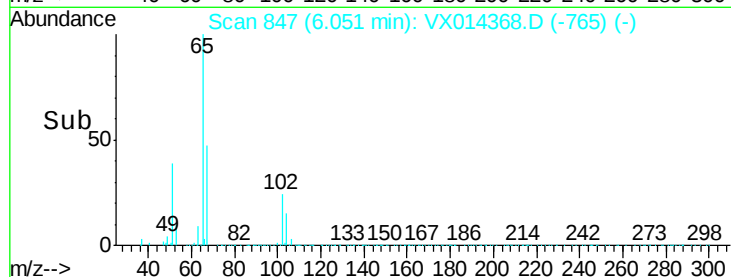
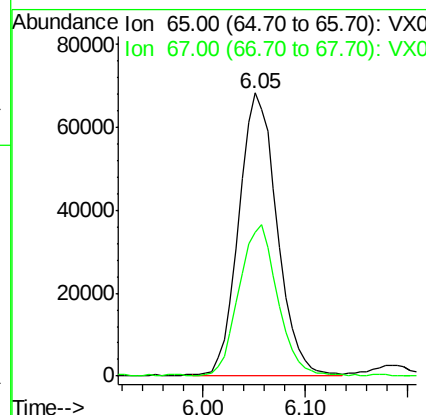
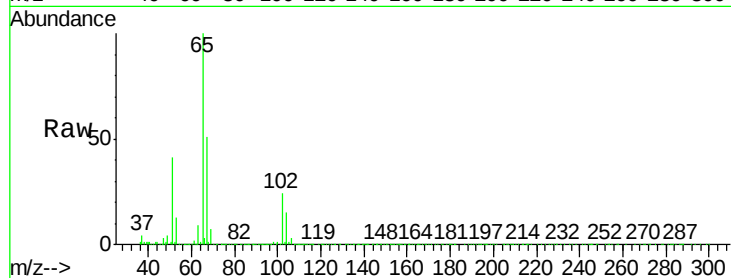




#27
 1,2-Dichloroethane-d4
 Concen: 29.534 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

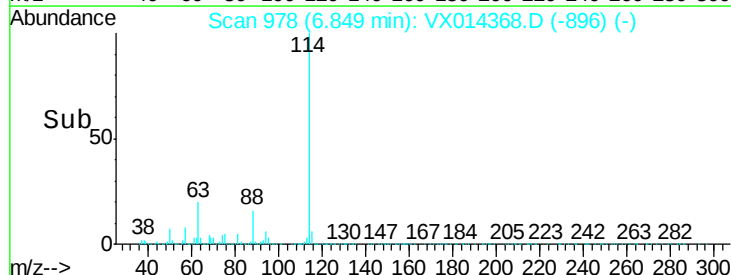
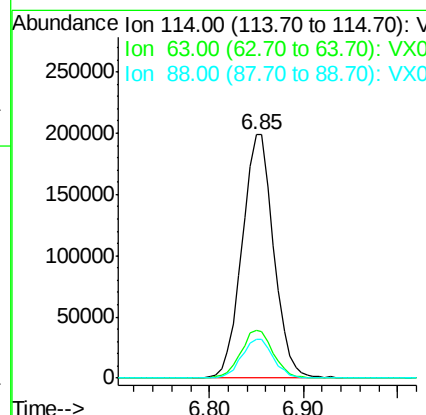
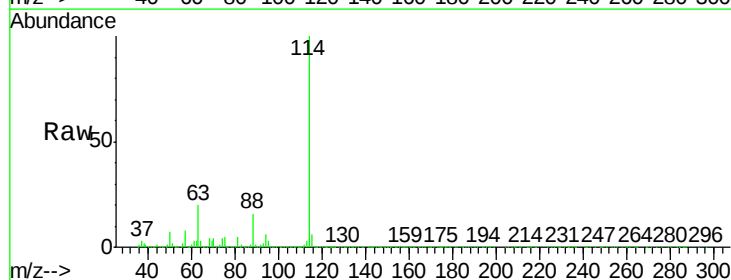
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

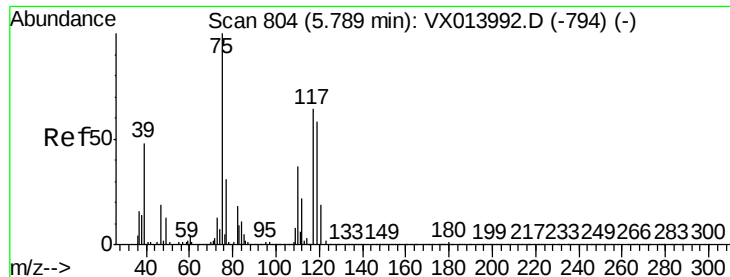
Tot Ion: 65 Resp: 176170
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion: 114 Resp: 466743
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.1 24.1
 88 15.6 12.5 18.7





#29

1,1-Dichloropropene

Concen: 20.670 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

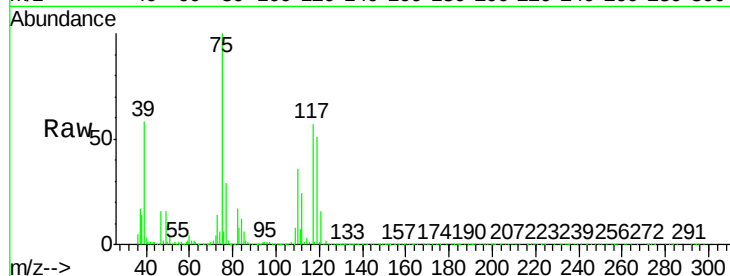
Tot Ion: 75 Resp: 139356

Ion Ratio Lower Upper

75 100

110 36.1 0.0 73.8

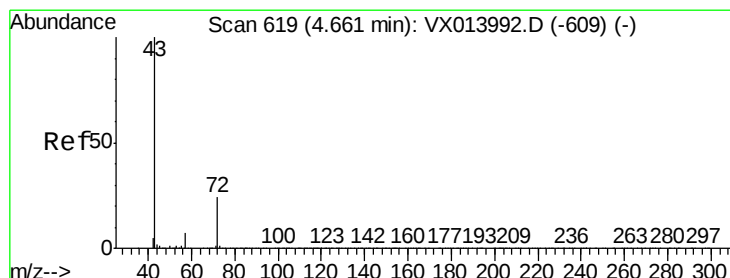
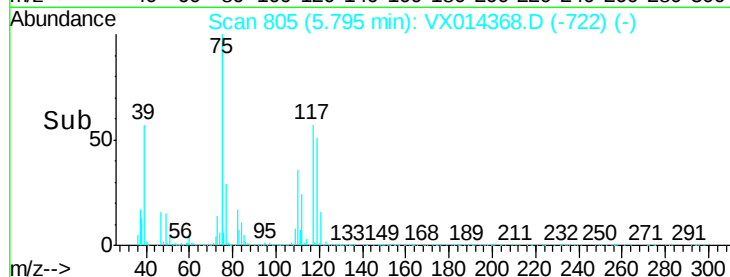
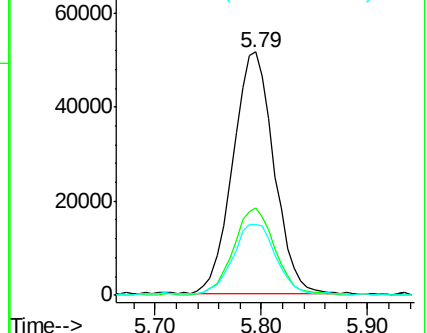
77 30.3 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 108.710 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

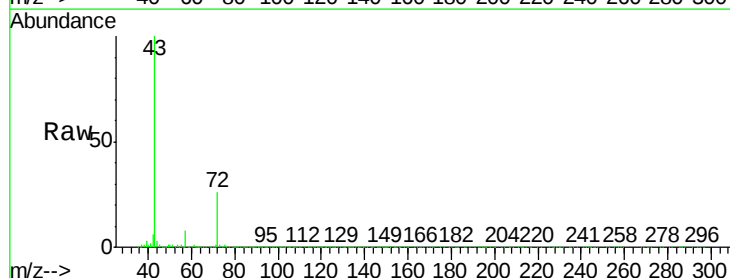
Tgt Ion: 43 Resp: 431998

Ion Ratio Lower Upper

43 100

57 7.7 6.2 9.2

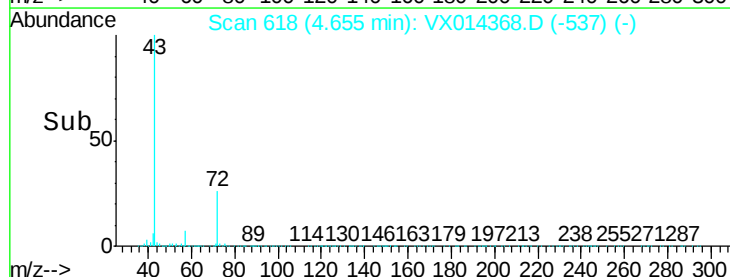
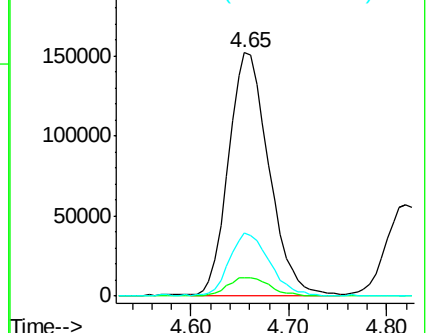
72 25.5 20.3 30.5

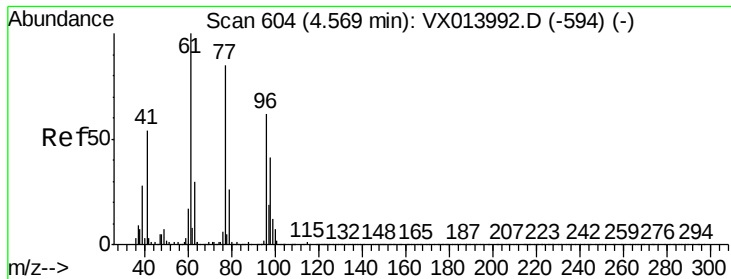


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 21.353 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

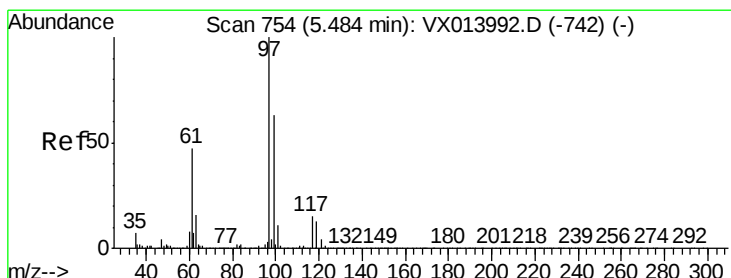
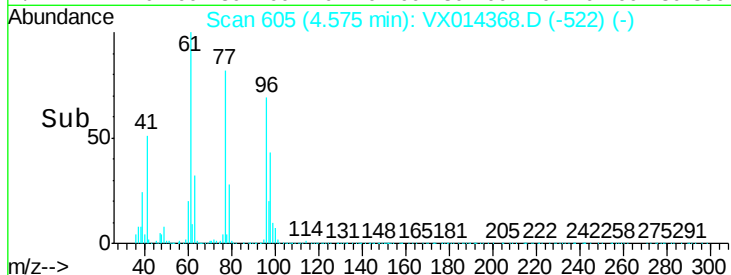
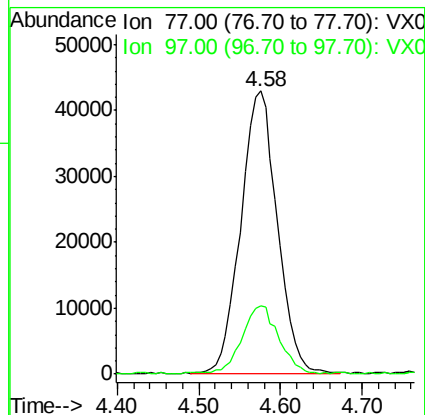
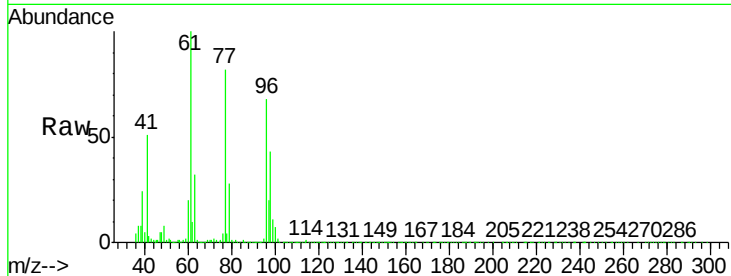
VSTDCCC020EC

Tot Ion: 77 Resp: 133164

Ion Ratio Lower Upper

77 100

97 23.9 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 20.242 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

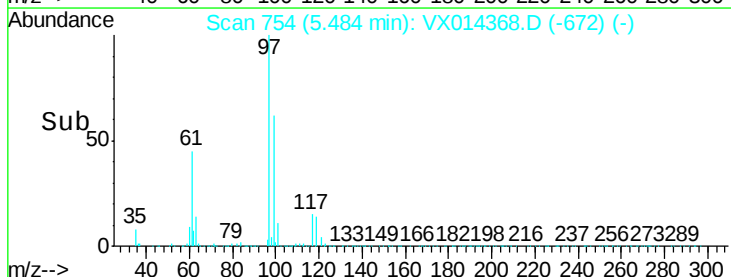
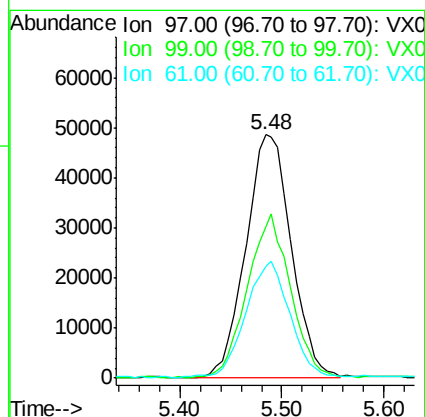
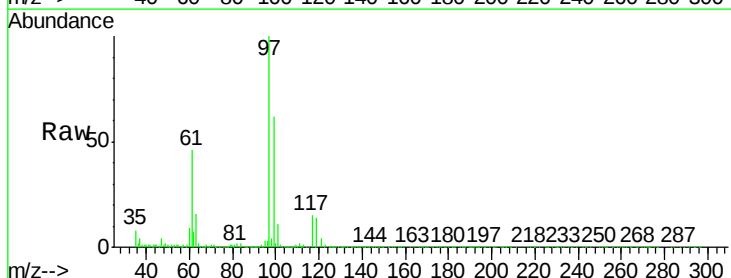
Tgt Ion: 97 Resp: 150945

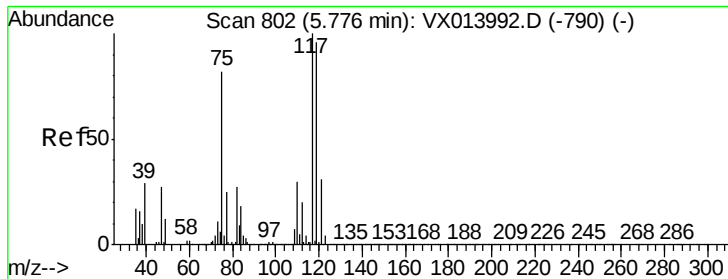
Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

61 45.0 36.8 55.2



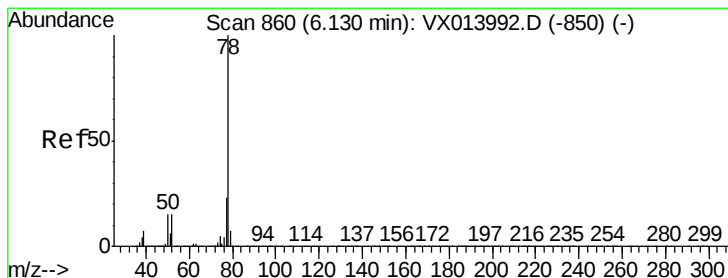
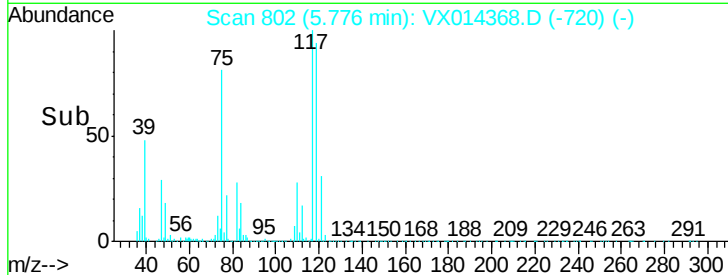
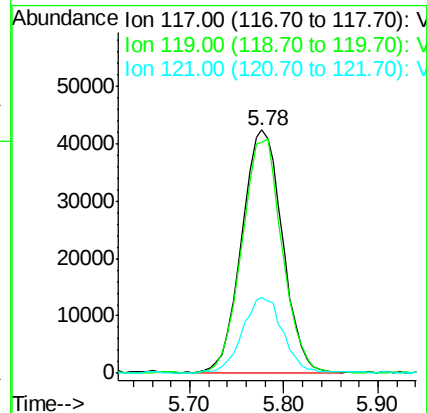
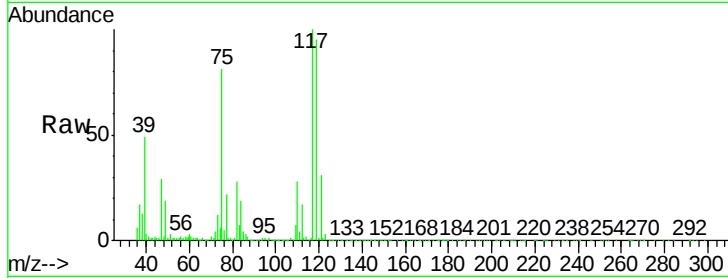


#33

Carbon Tetrachloride
Concen: 20.157 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

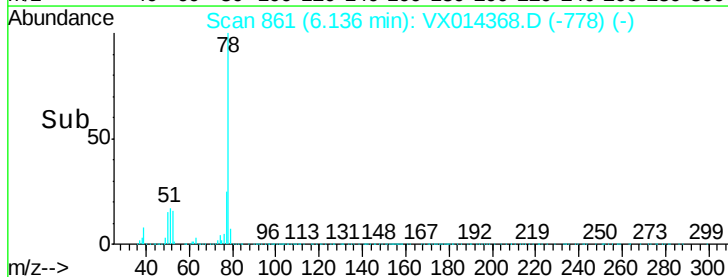
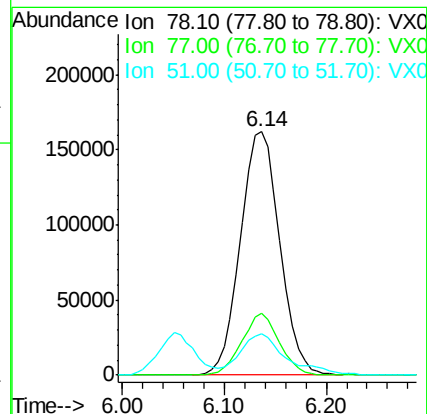
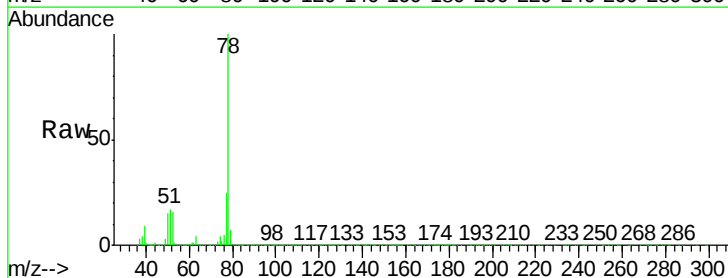
Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.2	115.8
121	31.3	24.8	37.2

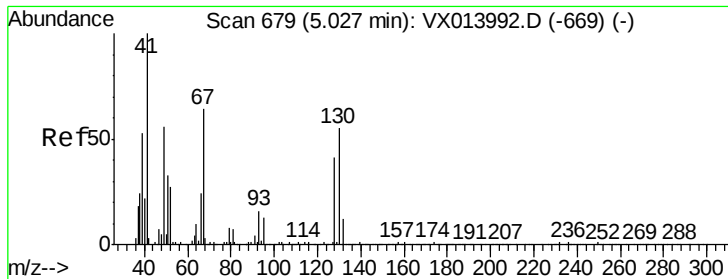


#34

Benzene
Concen: 20.670 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.2	27.2
51	16.4	12.4	18.6

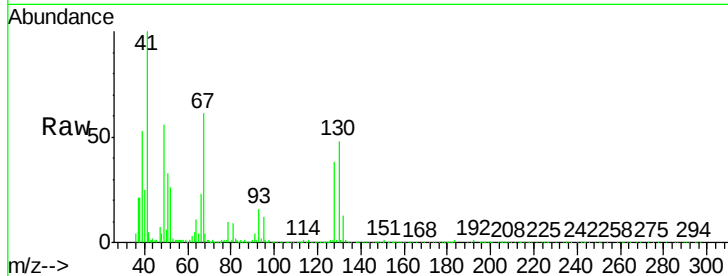




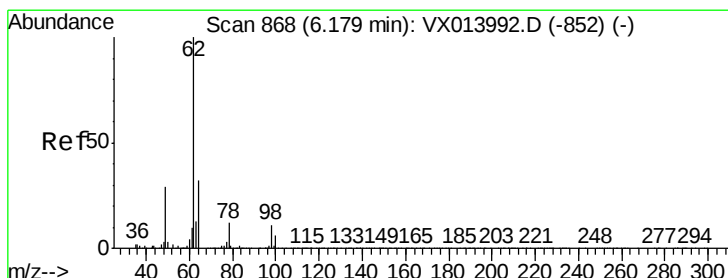
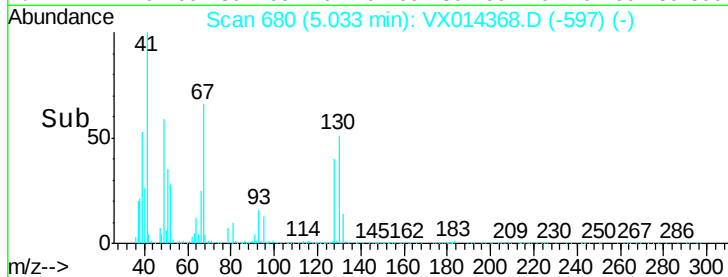
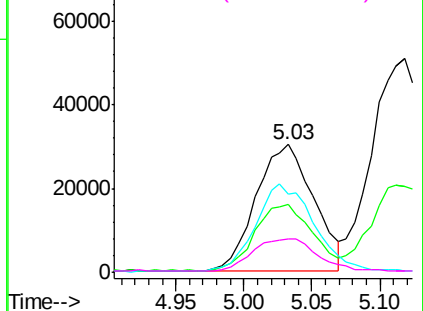
#35
Methacrylonitrile
Concen: 21.057 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	89995
Ion	Ratio	Lower	Upper
41	100		
39	51.8	26.7	80.1
67	61.2	31.5	94.5
52	25.1	12.8	38.4

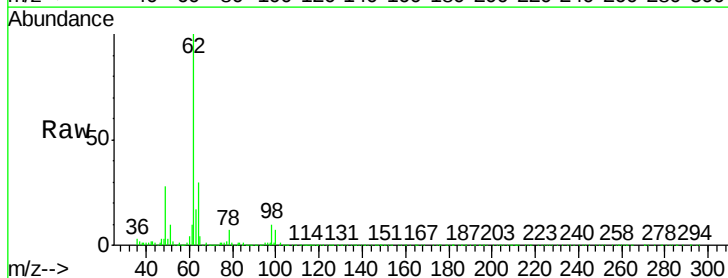


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

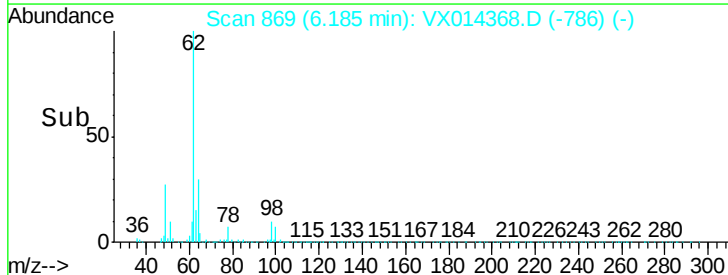
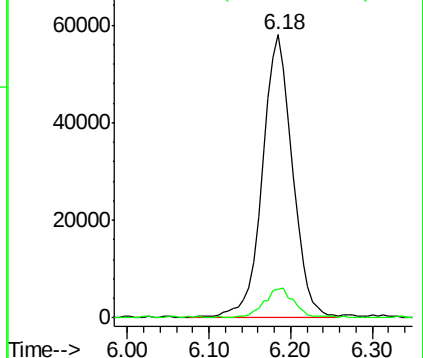


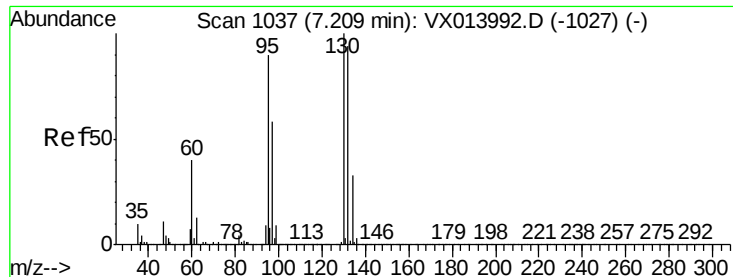
#36
1,2-Dichloroethane
Concen: 20.409 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion:	62	Resp:	149035
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.4	12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 20.231 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

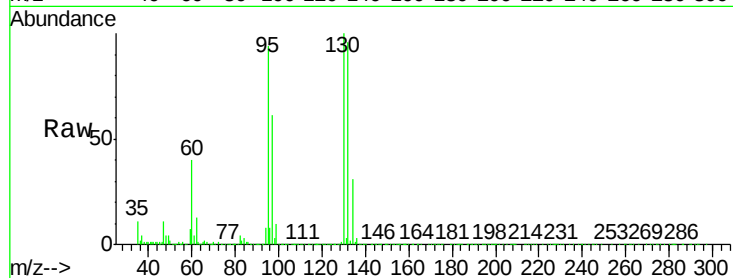
VSTDCCC020EC

Tot Ion:130 Resp: 115725

Ion Ratio Lower Upper

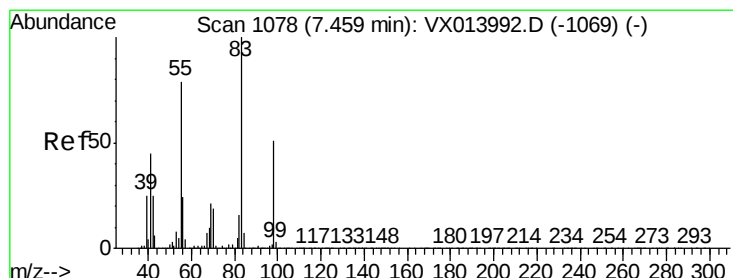
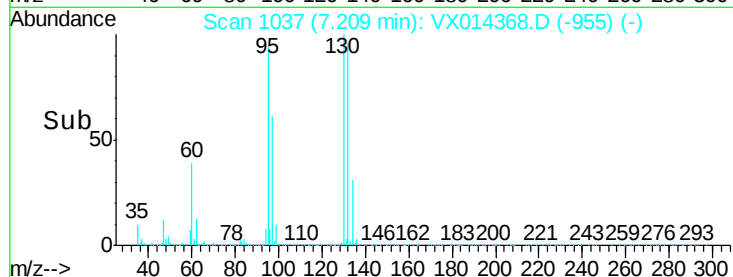
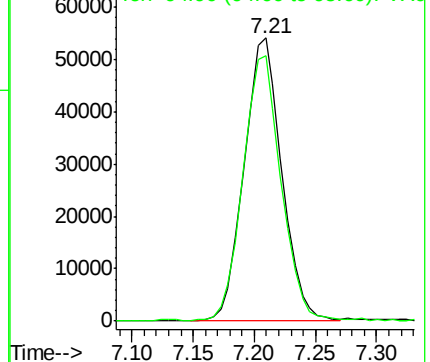
130 100

95 93.7 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 20.799 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

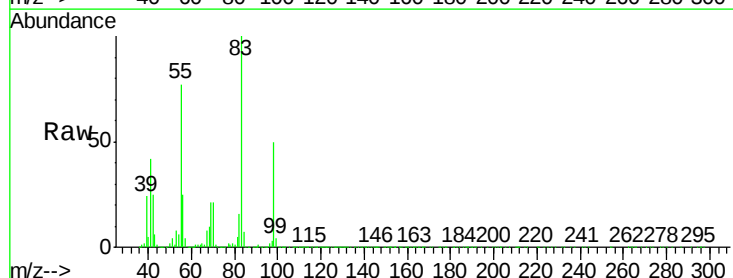
Tgt Ion: 83 Resp: 167264

Ion Ratio Lower Upper

83 100

55 78.1 39.4 118.1

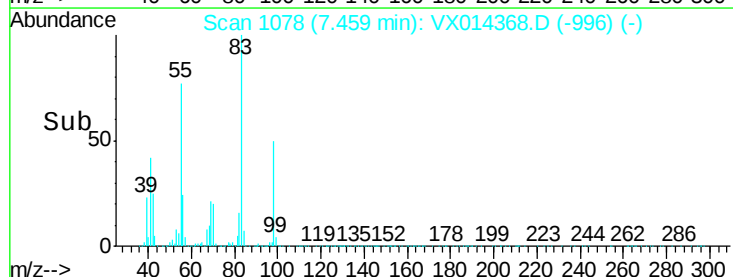
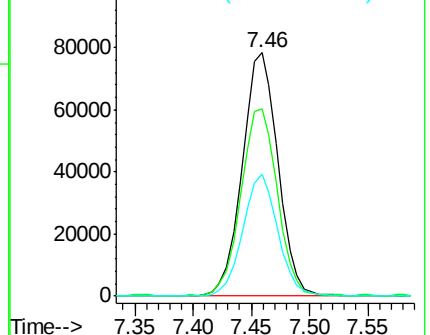
98 49.3 25.1 75.3

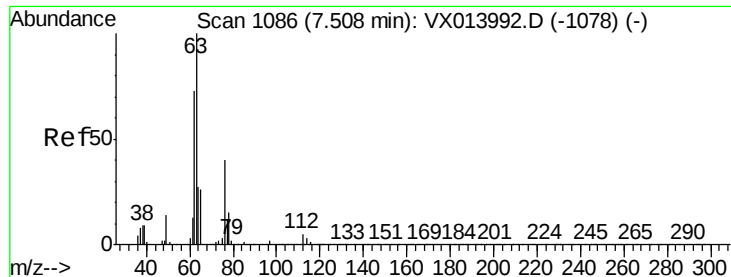


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

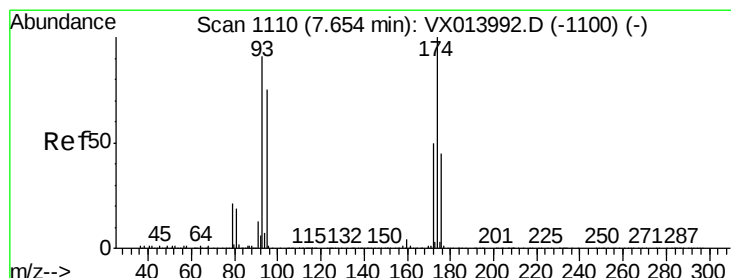
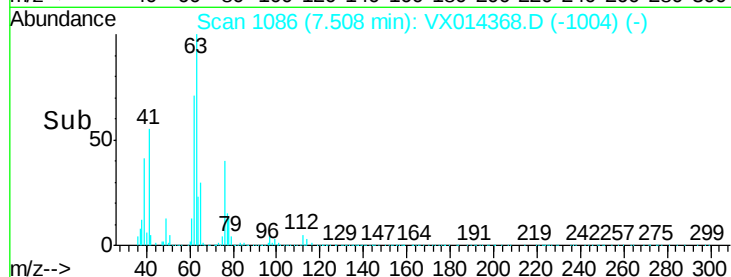
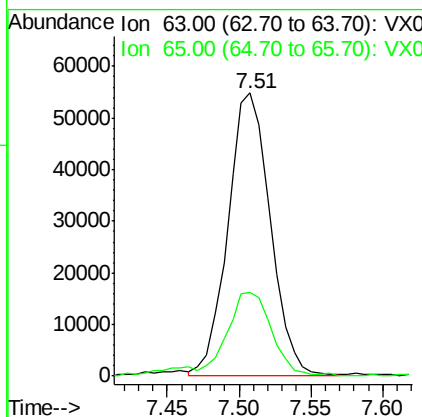
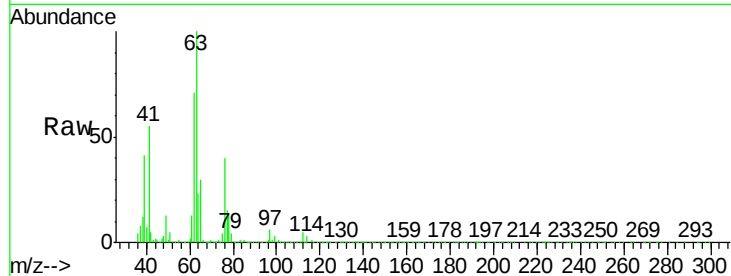




#39
 1,2-Dichloropropane
 Concen: 20.533 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

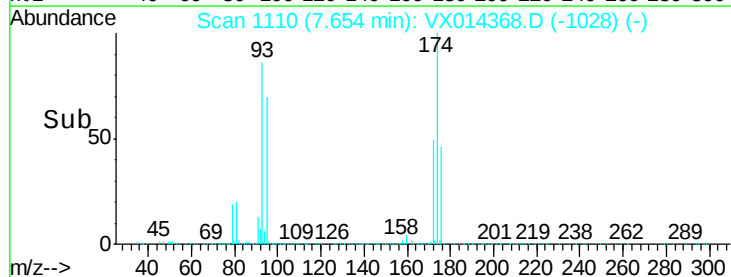
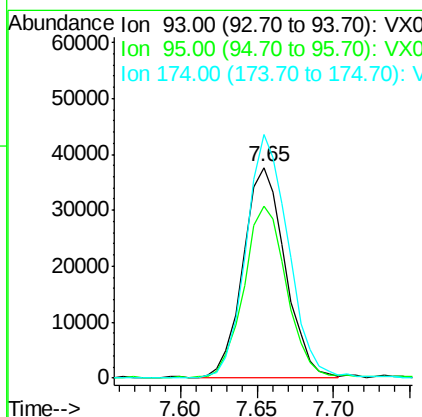
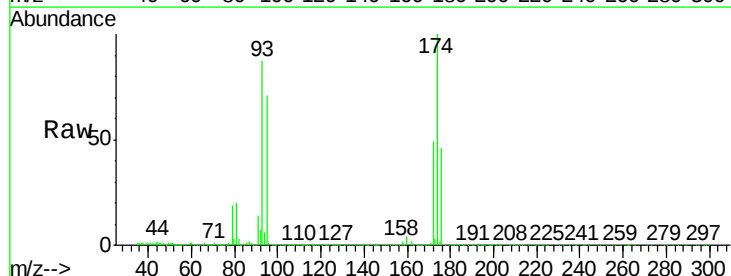
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

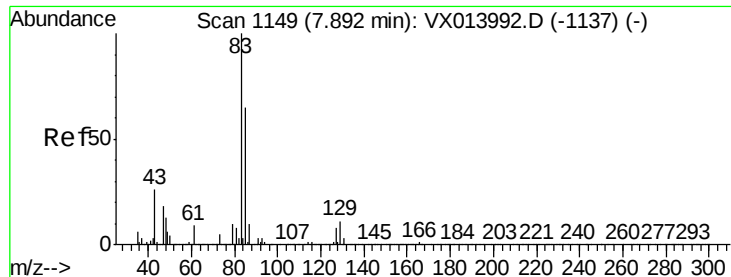
Tot Ion: 63 Resp: 112112
 Ion Ratio Lower Upper
 63 100
 65 29.6 22.1 33.1



#40
 Dibromomethane
 Concen: 20.636 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion: 93 Resp: 71979
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 164.4
 174 115.7 0.0 228.8





#41

Bromodichloromethane

Concen: 20.504 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

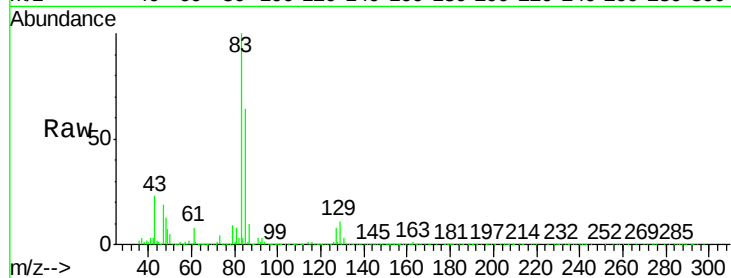
Tot Ion: 83 Resp: 138482

Ion Ratio Lower Upper

83 100

85 63.9 51.6 77.4

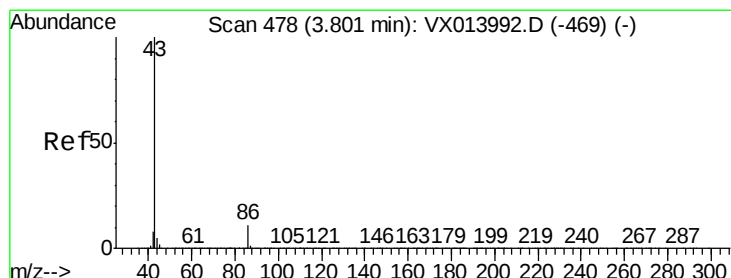
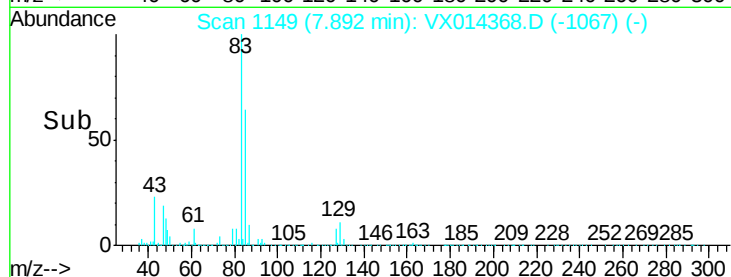
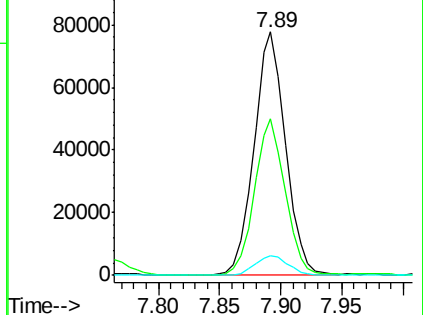
127 8.1 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): VX0



#42

Vinyl Acetate

Concen: 107.808 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014368.D

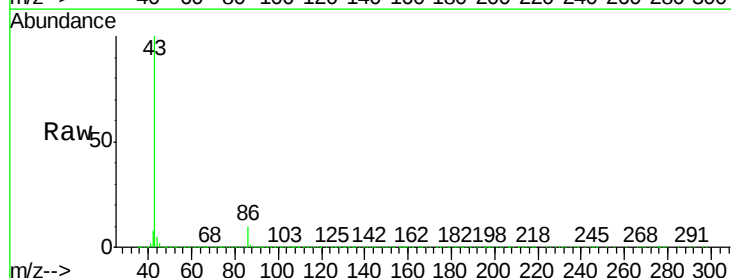
Acq: 30 Dec 2019 20:49

Tgt Ion: 43 Resp: 1512548

Ion Ratio Lower Upper

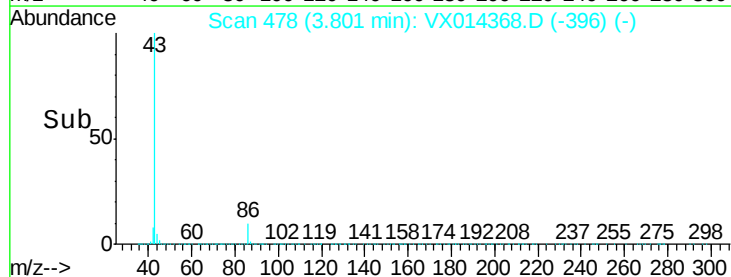
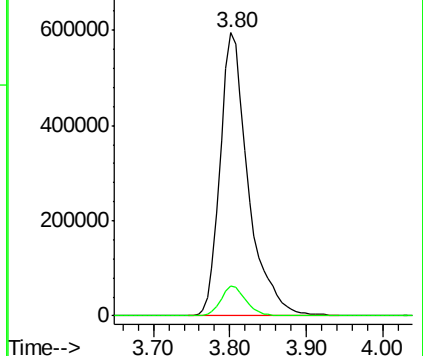
43 100

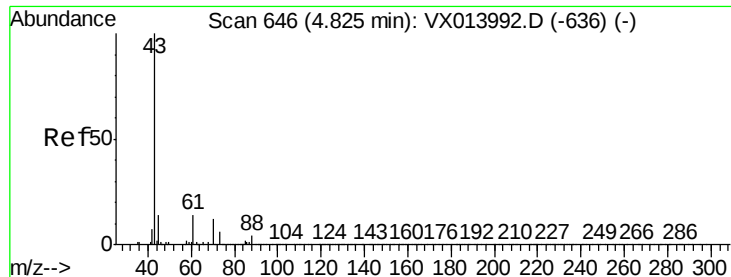
86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

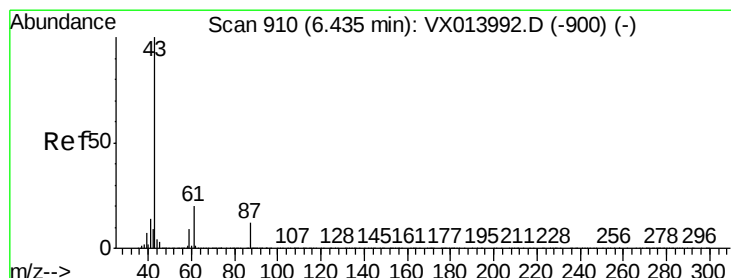
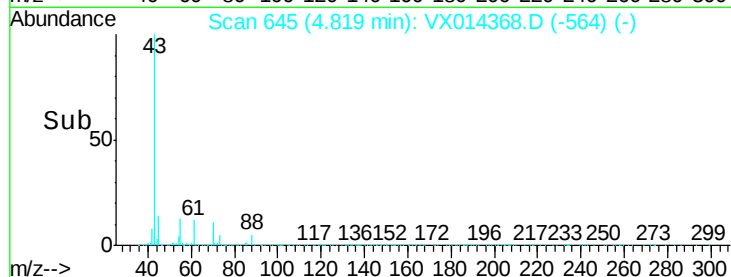
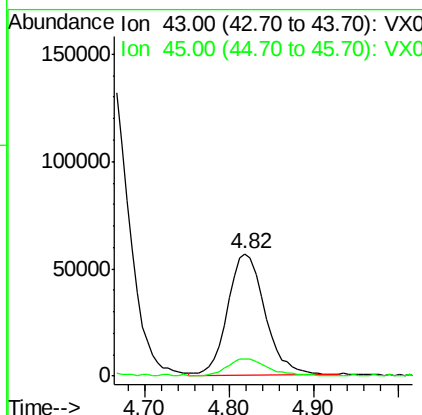
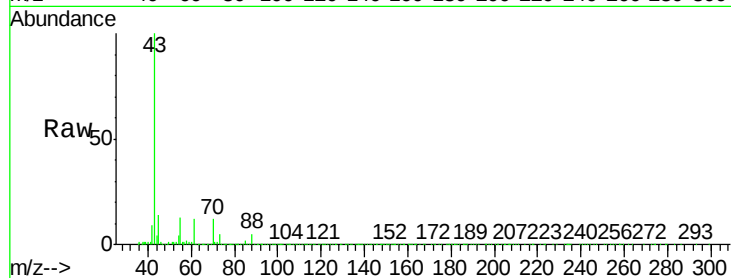




#43
Ethyl Acetate
Concen: 22.292 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

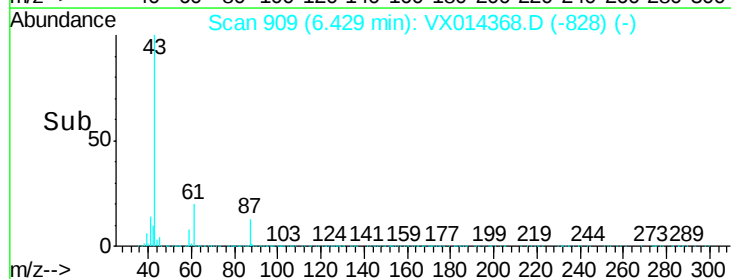
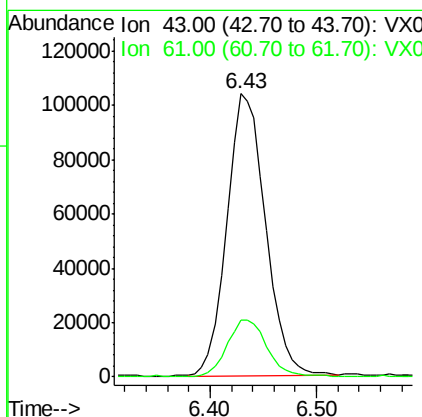
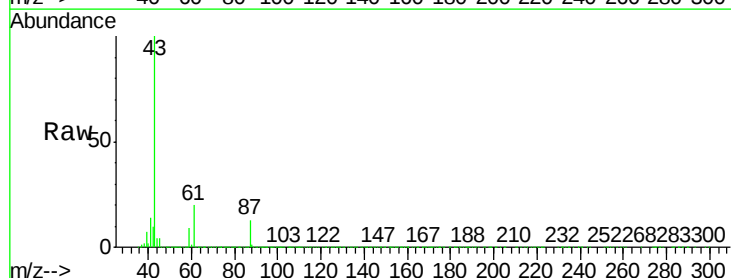
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

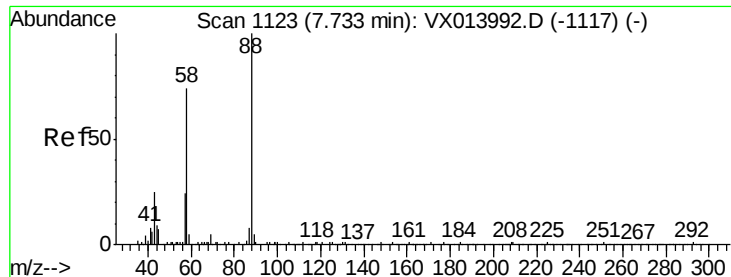
Tot Ion: 43 Resp: 169980
Ion Ratio Lower Upper
43 100
45 15.1 11.8 17.8



#44
Isopropyl Acetate
Concen: 20.755 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 43 Resp: 265061
Ion Ratio Lower Upper
43 100
61 20.5 15.9 23.9





#45

1,4-Dioxane

Concen: 442.089 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

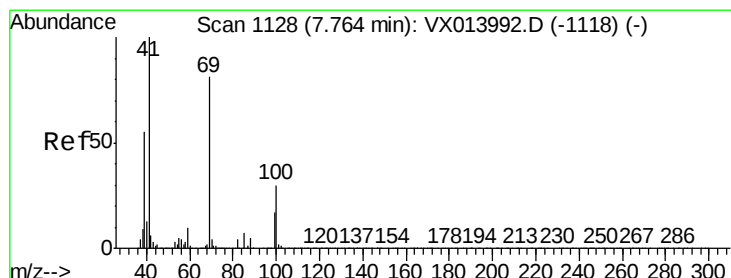
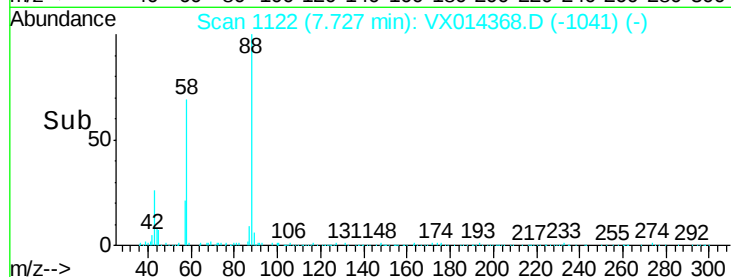
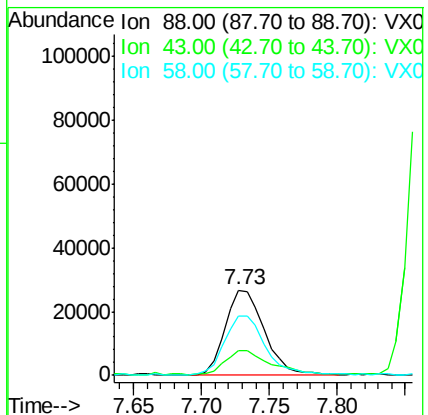
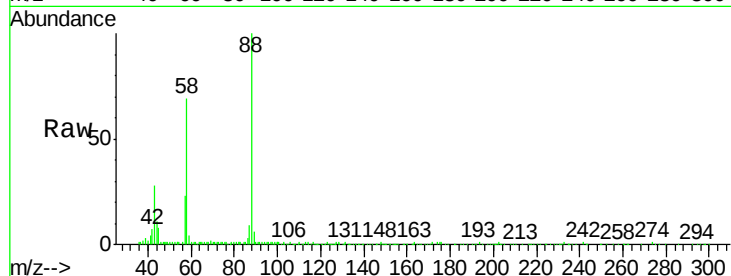
Tot Ion: 88 Resp: 52872

Ion Ratio Lower Upper

88 100

43 32.2 25.4 38.2

58 71.9 56.5 84.7



#46

Methyl methacrylate

Concen: 20.947 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

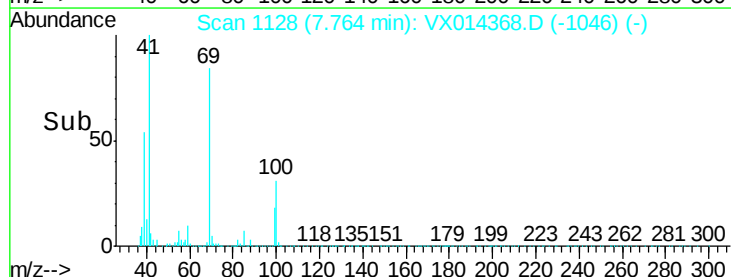
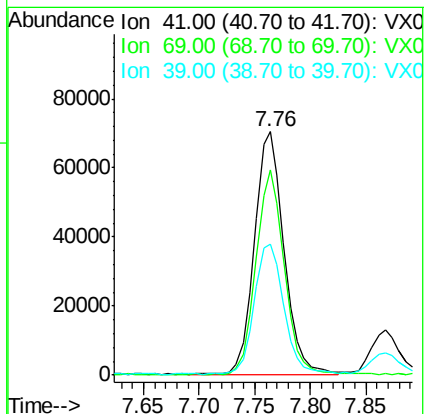
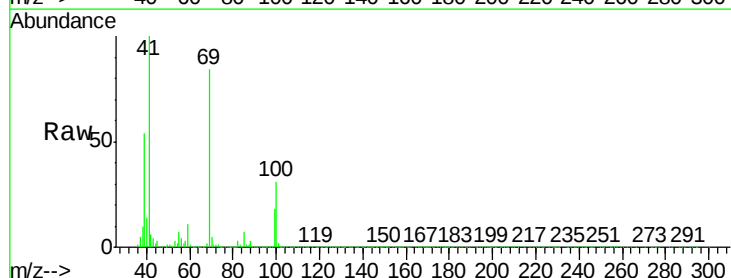
Tgt Ion: 41 Resp: 129944

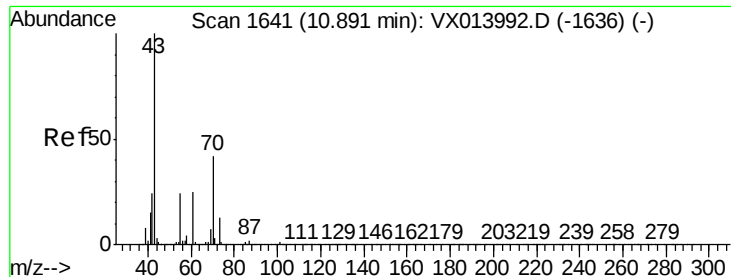
Ion Ratio Lower Upper

41 100

69 84.3 40.6 122.0

39 53.5 27.8 83.3





#47

n-amvl Acetate

Concen: 19.487 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

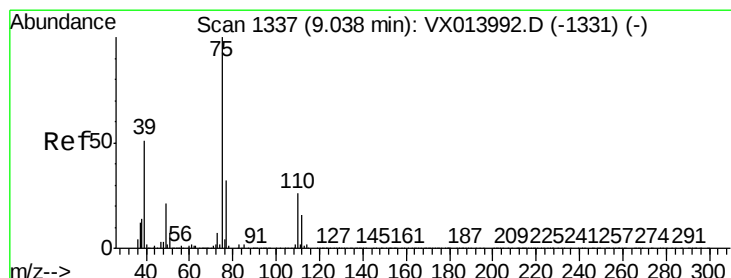
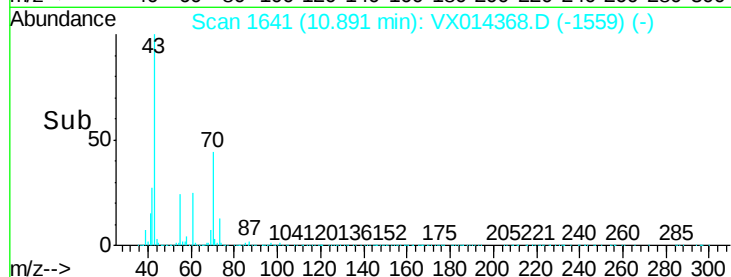
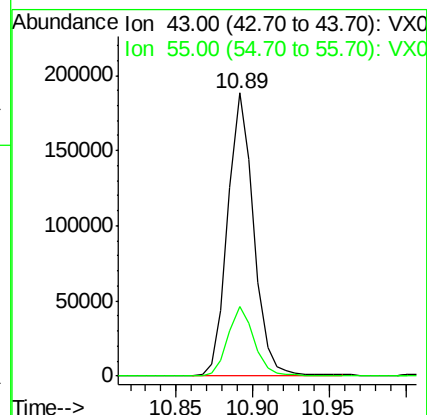
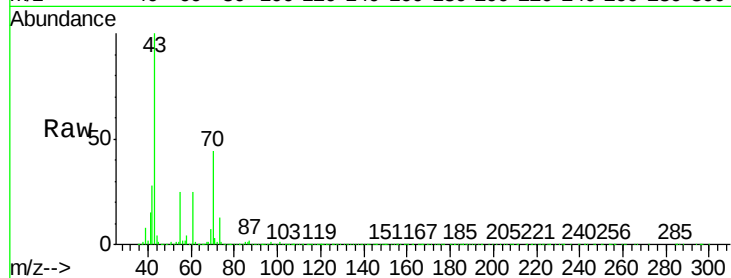
VSTDCCC020EC

Tot Ion: 43 Resp: 221286

Ion Ratio Lower Upper

43 100

55 24.4 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 20.051 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX014368.D

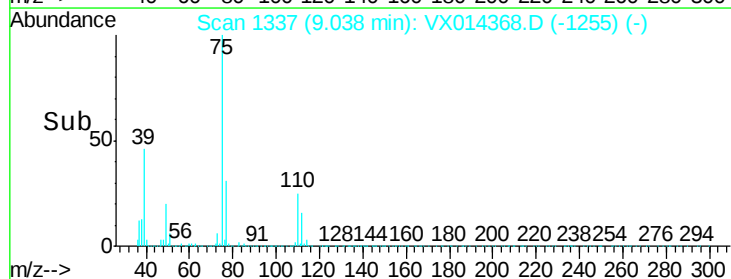
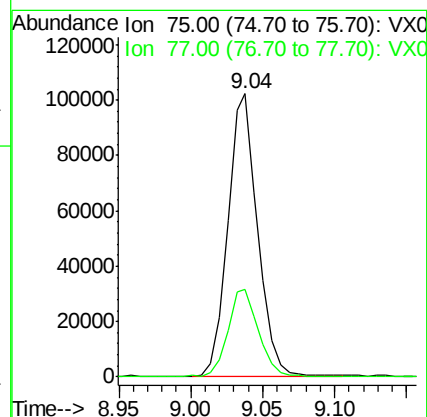
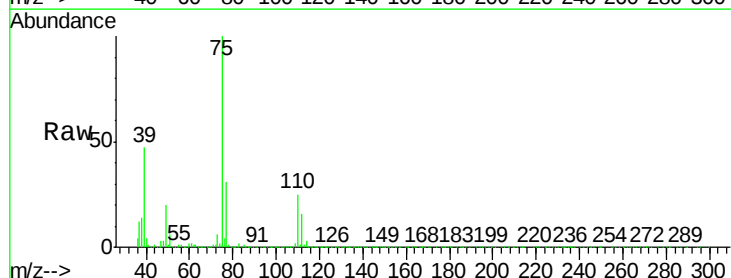
Acq: 30 Dec 2019 20:49

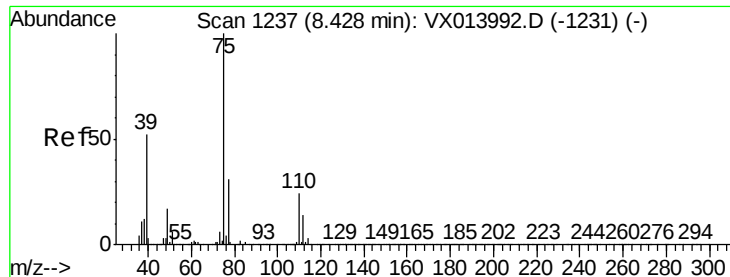
Tgt Ion: 75 Resp: 147801

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0



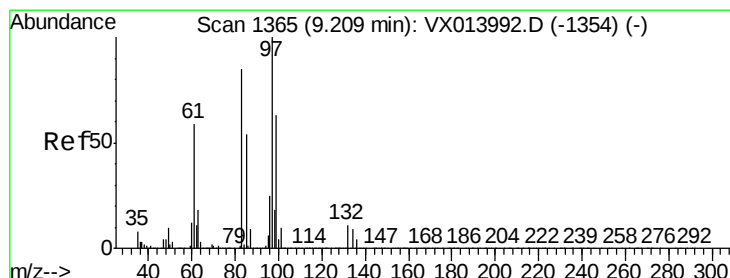
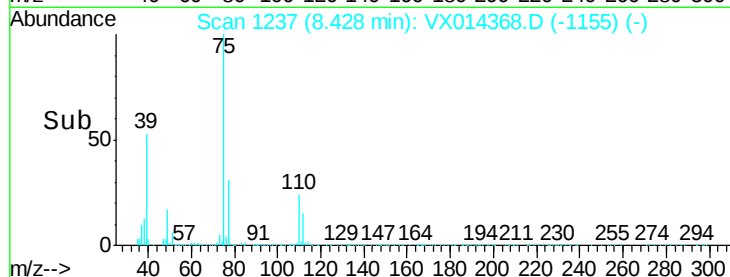
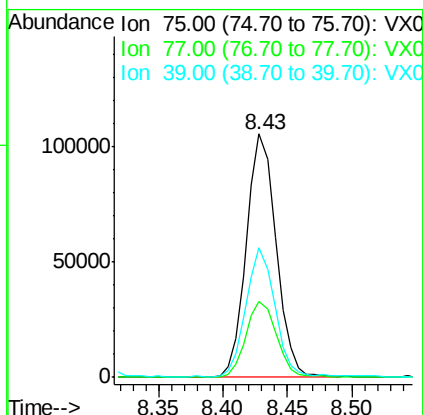
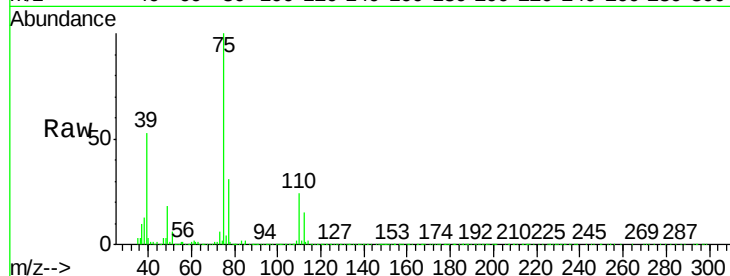


#49

cis-1,3-Dichloropropene
 Concen: 20.224 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

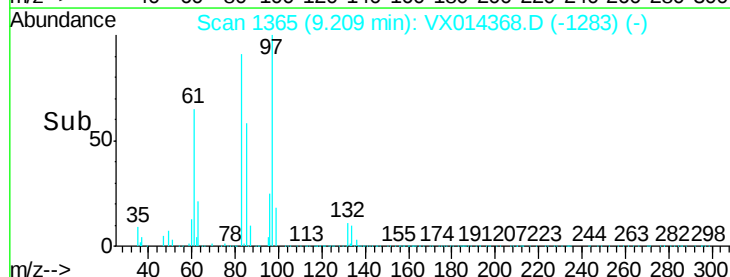
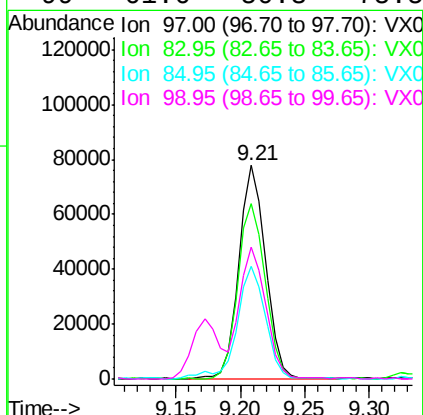
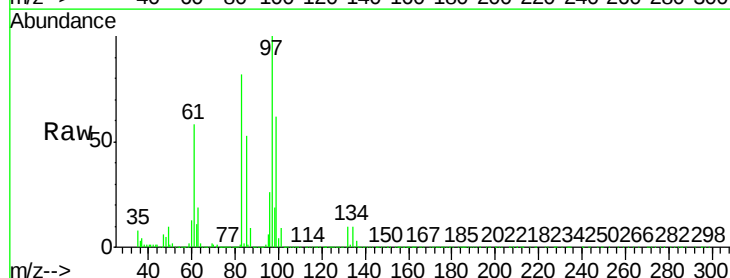
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	53.1	41.1	61.7

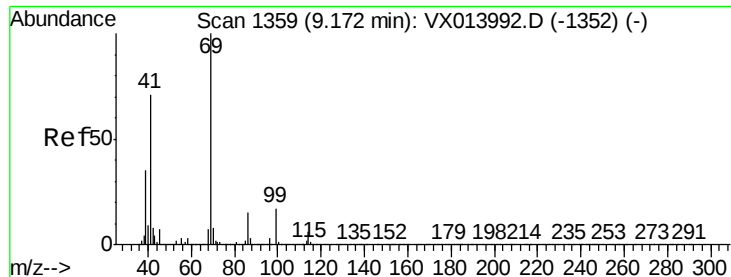


#50

1,1,2-Trichloroethane
 Concen: 20.822 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.1	102.1
85	52.8	42.7	64.1
99	61.6	50.3	75.5





#51

Ethyl methacrylate

Concen: 20.044 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

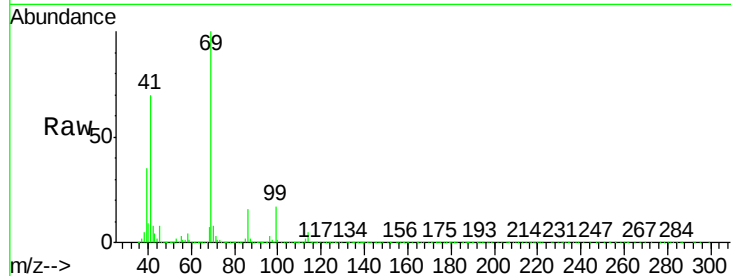
Tot Ion: 69 Resp: 171626

Ion	Ratio	Lower	Upper
69	100		
41	69.5	35.4	106.1
39	35.0	17.8	53.3

69 100

41 69.5 35.4 106.1

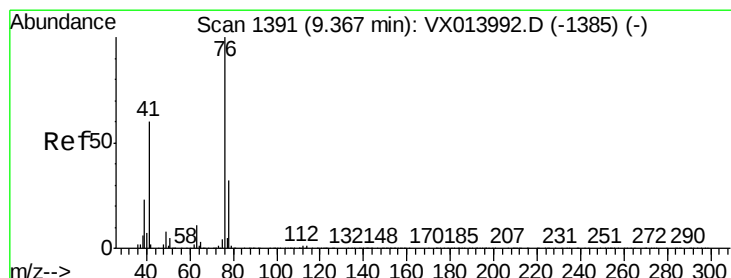
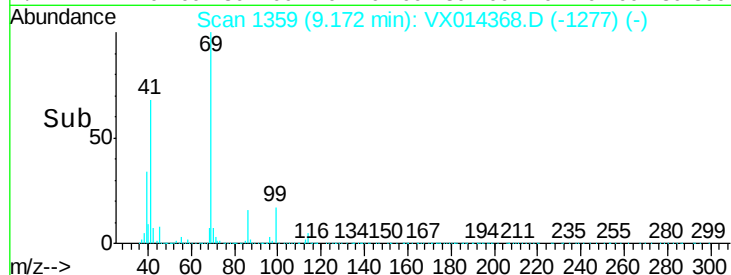
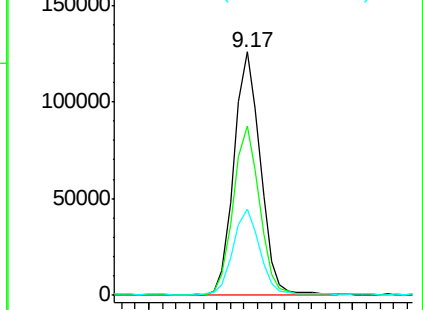
39 35.0 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 20.449 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX014368.D

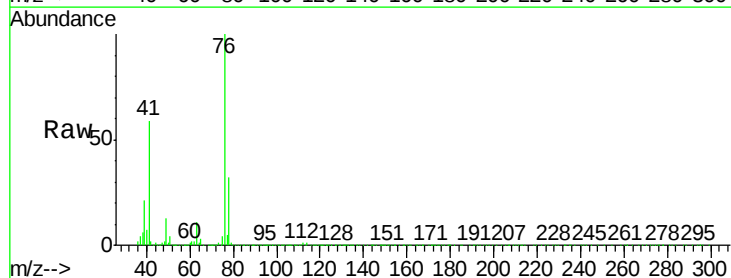
Acq: 30 Dec 2019 20:49

Tgt Ion: 76 Resp: 187024

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4

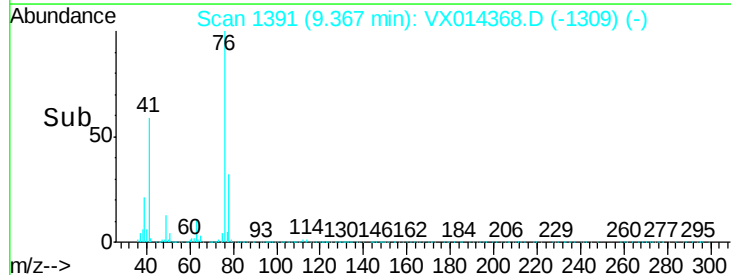
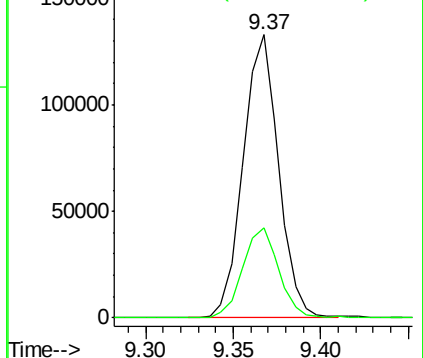
76 100

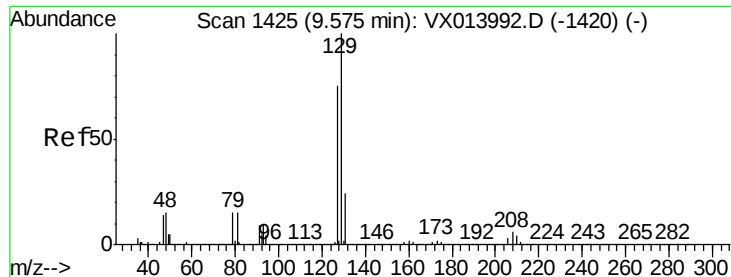
78 32.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.055 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

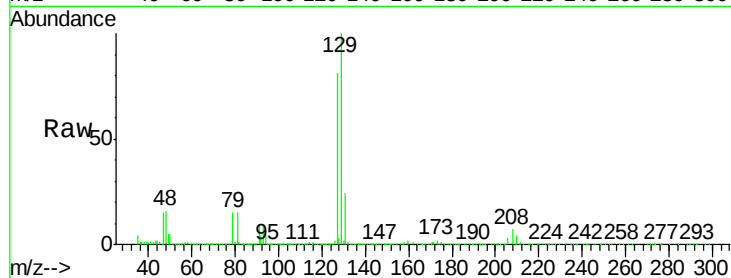
VSTDCCC020EC

Tot Ion:129 Resp: 107951

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

80000

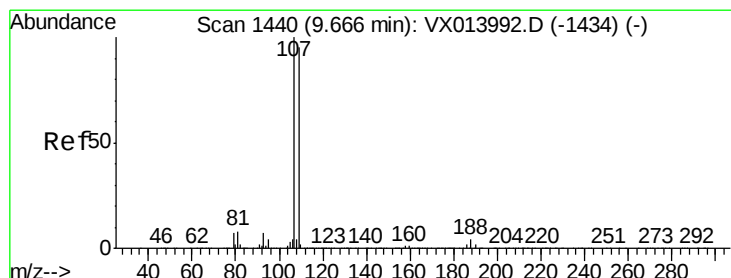
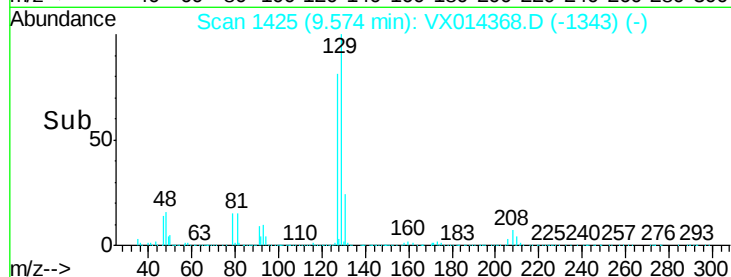
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 20.344 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014368.D

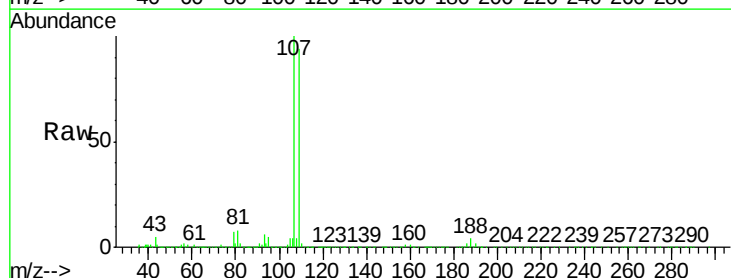
Acq: 30 Dec 2019 20:49

Tgt Ion:107 Resp: 112753

Ion Ratio Lower Upper

107 100

109 95.6 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

80000

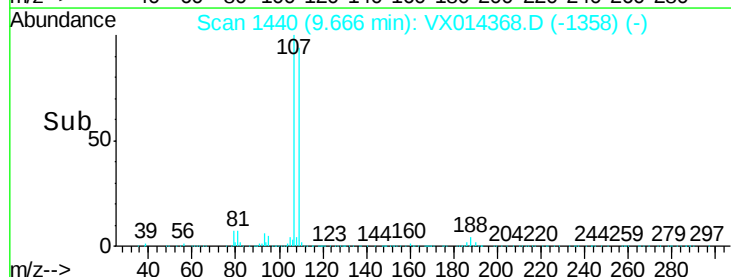
60000

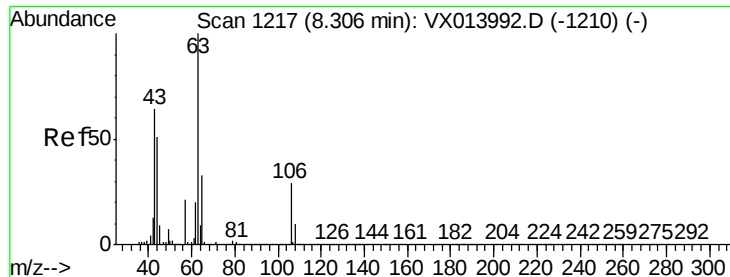
40000

20000

0

Time--> 9.60 9.65 9.70





#55

2-Chloroethyl vinyl ether

Concen: 98.113 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

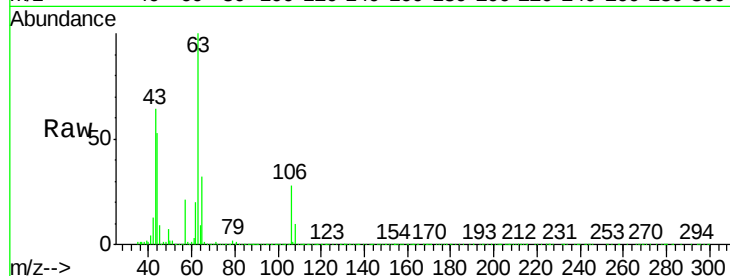
Tot Ion: 63 Resp: 370324

Ion Ratio Lower Upper

63 100

65 32.1 25.8 38.6

106 28.1 22.9 34.3



Abundance Ion 63.00 (62.70 to 63.70): VX013992.D (-1210) (-)

Ion 65.00 (64.70 to 65.70): VX013992.D (-1210) (-)

Ion 106.00 (105.70 to 106.70): VX013992.D (-1210) (-)

8.31

250000

200000

150000

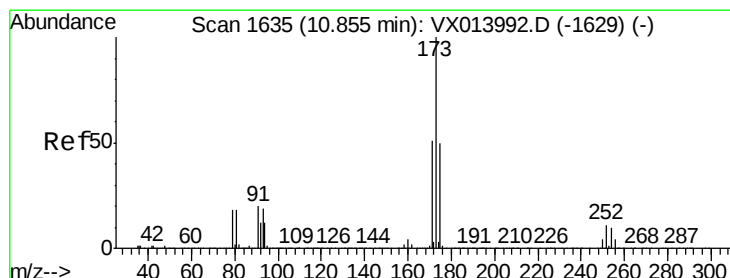
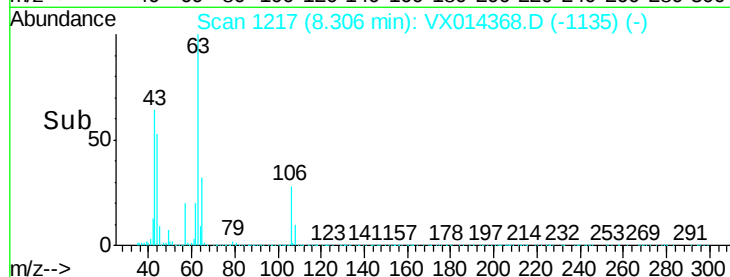
100000

50000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#56

Bromoform

Concen: 19.346 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

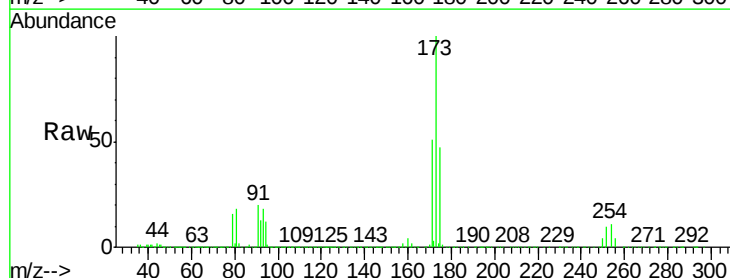
Tgt Ion: 173 Resp: 81205

Ion Ratio Lower Upper

173 100

175 48.5 39.5 59.3

254 10.4 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): VX013992.D (-1629) (-)

Ion 175.00 (174.70 to 175.70): VX013992.D (-1629) (-)

Ion 254.00 (253.70 to 254.70): VX013992.D (-1629) (-)

10.85

80000

60000

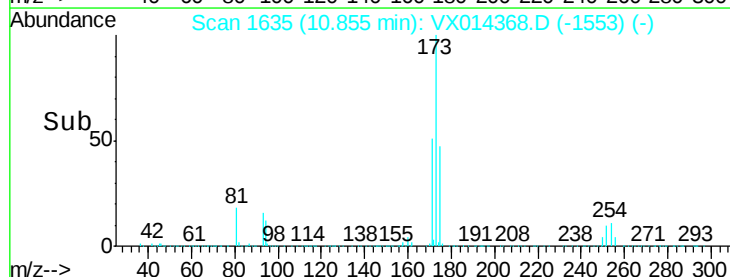
40000

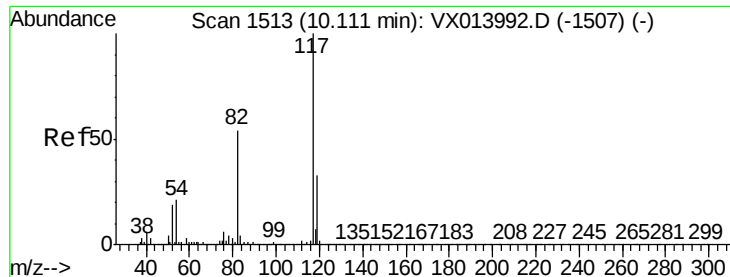
20000

0

10.80 10.85 10.90

Time-->

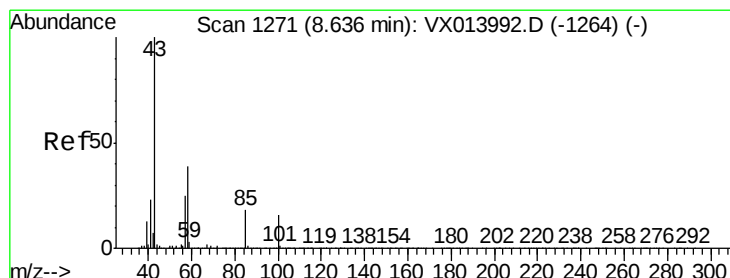
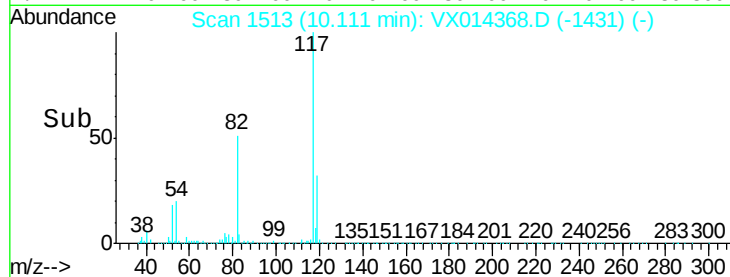
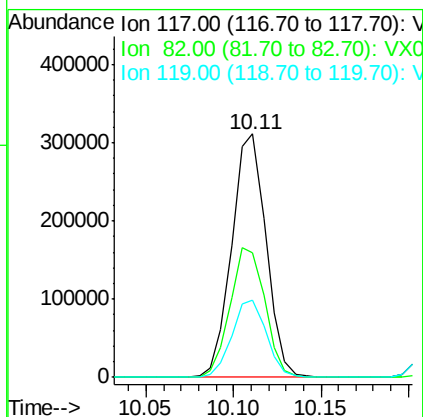
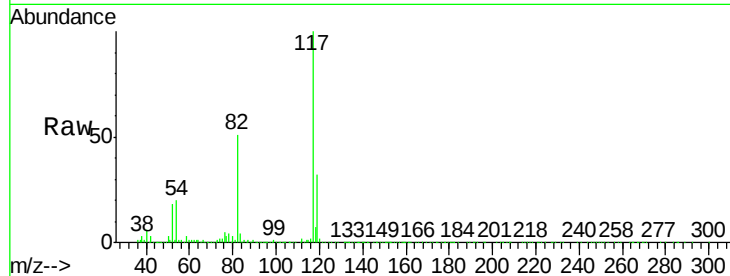




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

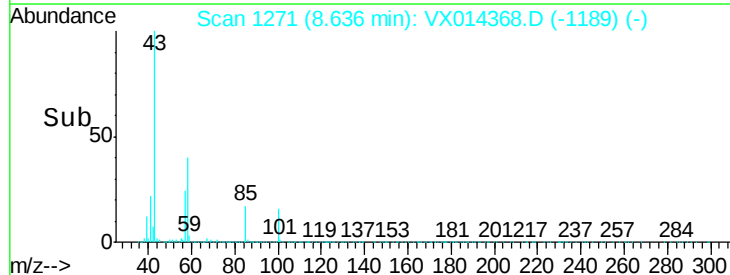
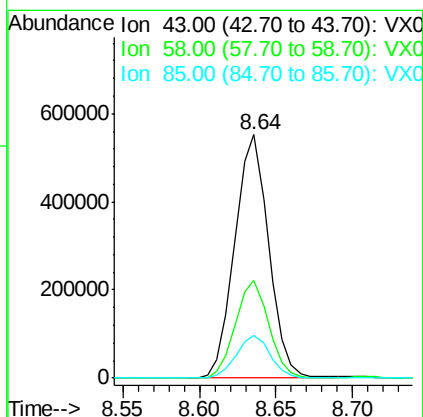
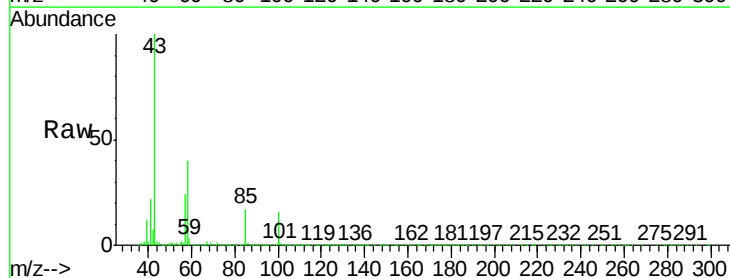
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

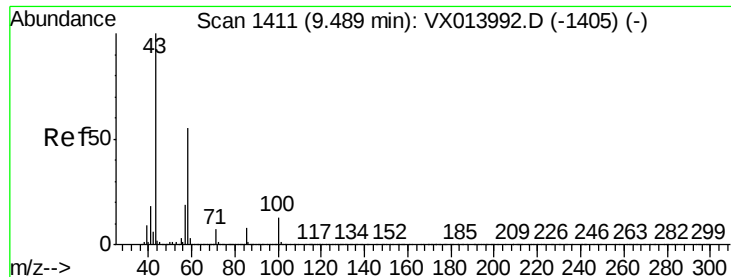
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.8	65.6
119	31.8	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 106.369 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.2	46.8
85	17.4	14.2	21.2





#59

2-Hexanone

Concen: 106.065 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

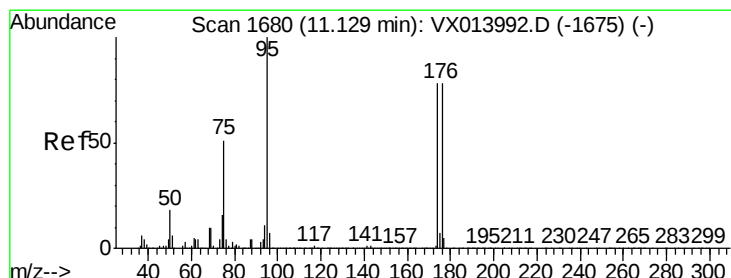
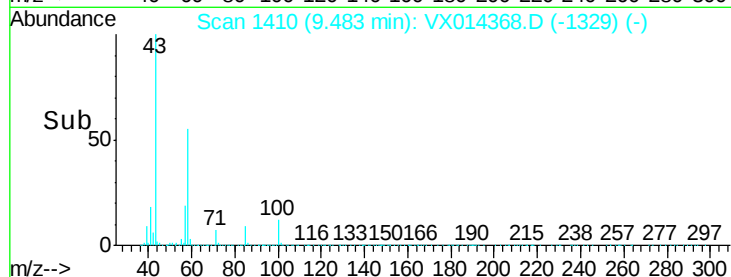
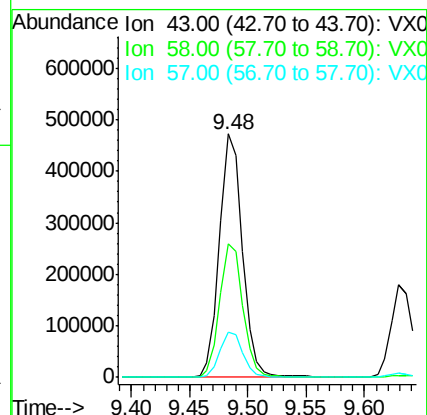
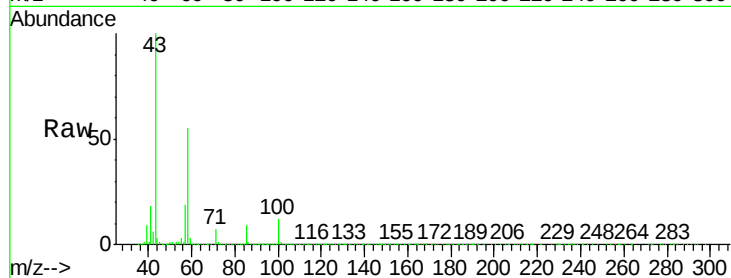
Tot Ion: 43 Resp: 642047

Ion Ratio Lower Upper

43 100

58 55.6 43.8 65.6

57 18.9 15.4 23.0



#60

4-Bromofluorobenzene

Concen: 29.676 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

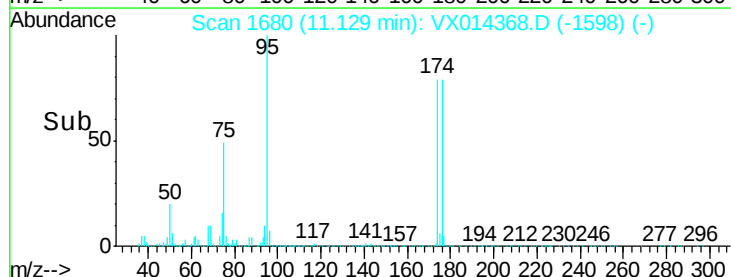
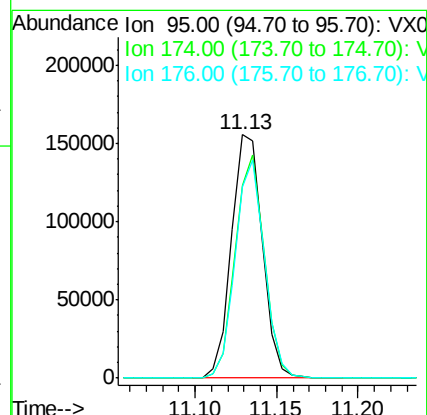
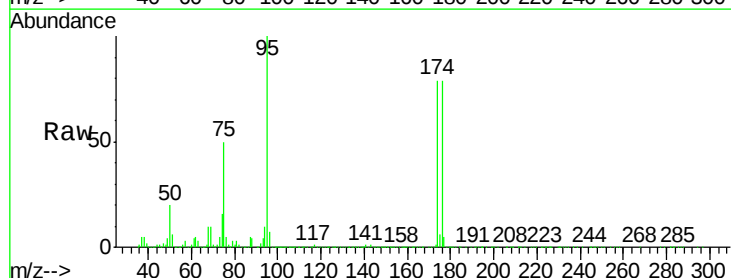
Tgt Ion: 95 Resp: 204291

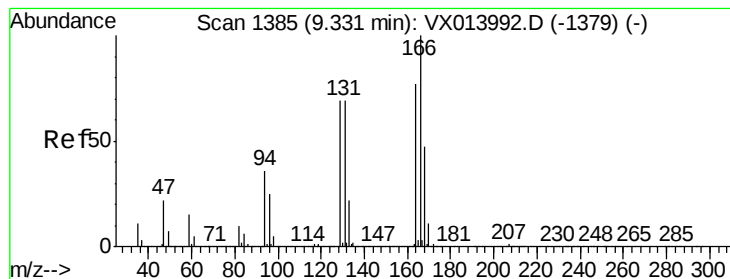
Ion Ratio Lower Upper

95 100

174 86.3 70.2 105.2

176 84.7 68.3 102.5





#61

Tetrachloroethene

Concen: 20.563 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 115972

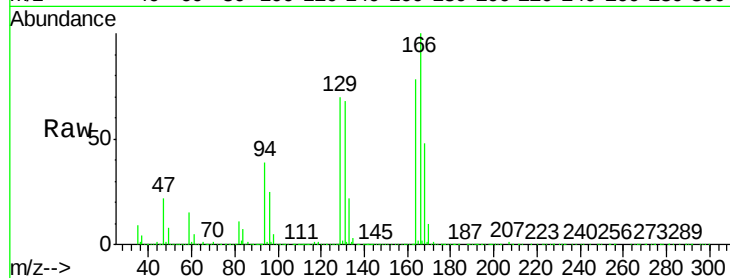
Ion Ratio Lower Upper

164 100

166 128.9 104.2 156.2

129 90.1 71.6 107.4

131 87.6 71.7 107.5

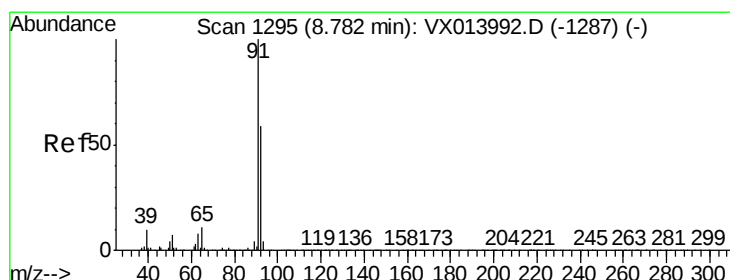
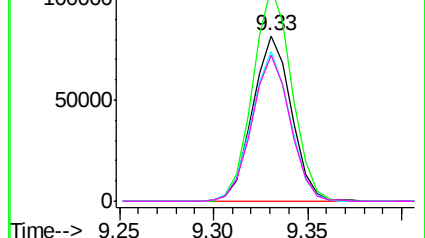
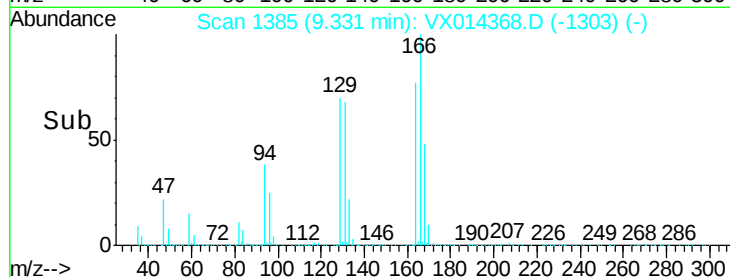


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.325 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014368.D

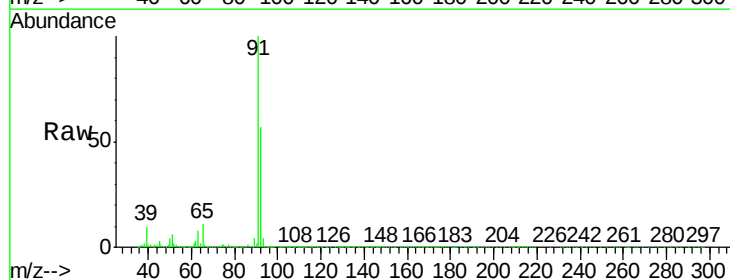
Acq: 30 Dec 2019 20:49

Tgt Ion: 91 Resp: 460836

Ion Ratio Lower Upper

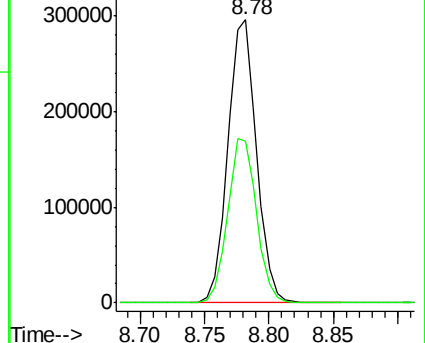
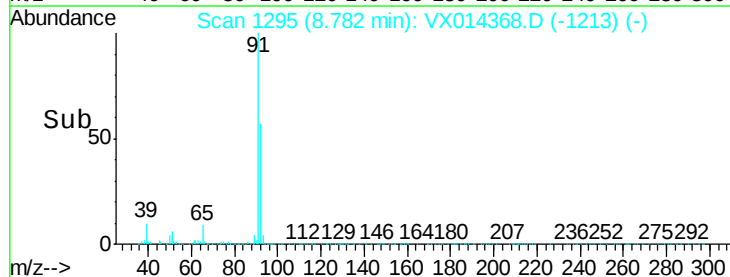
91 100

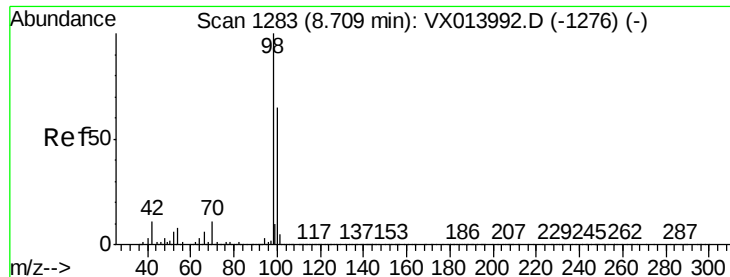
92 58.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.262 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

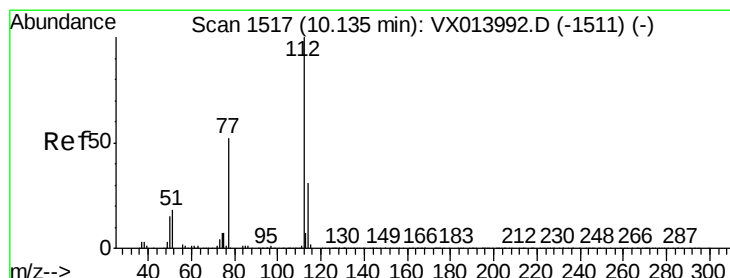
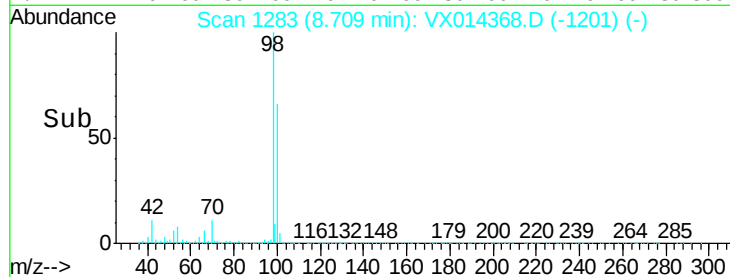
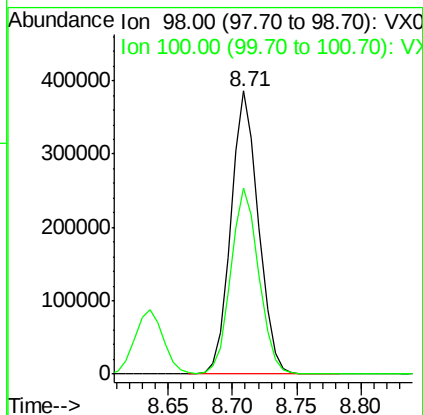
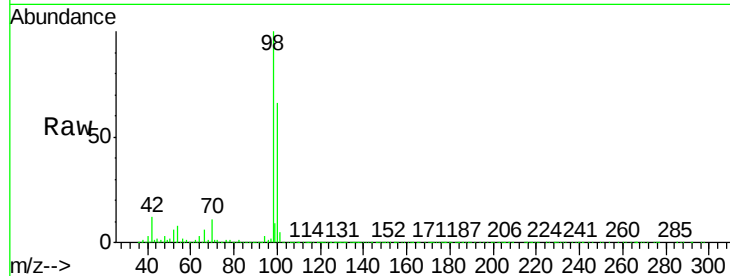
VSTDCCC020EC

Tot Ion: 98 Resp: 576653

Ion Ratio Lower Upper

98 100

100 66.6 52.2 78.2



#64

Chlorobenzene

Concen: 20.050 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014368.D

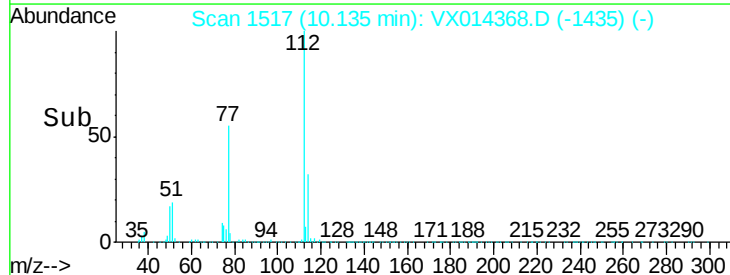
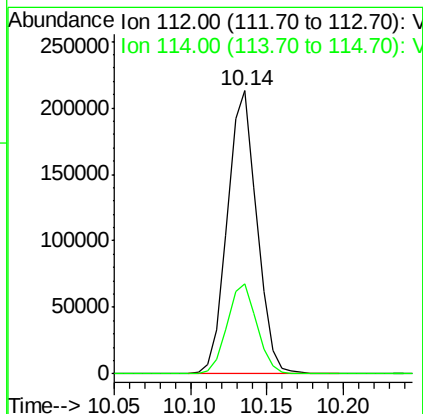
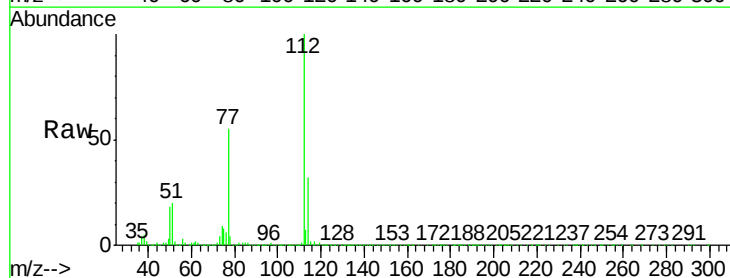
Acq: 30 Dec 2019 20:49

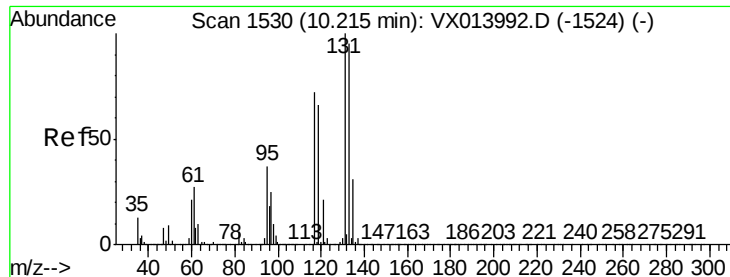
Tgt Ion: 112 Resp: 284815

Ion Ratio Lower Upper

112 100

114 31.8 24.4 36.6

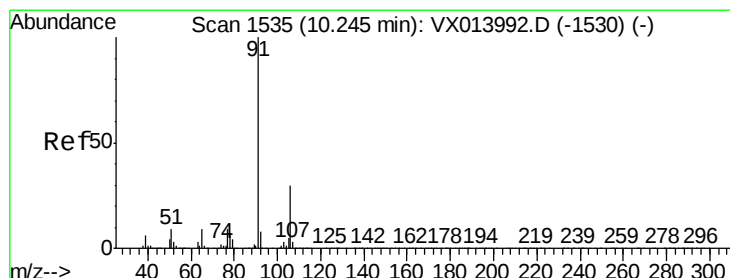
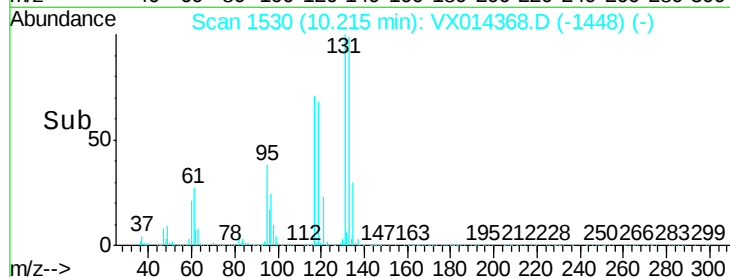
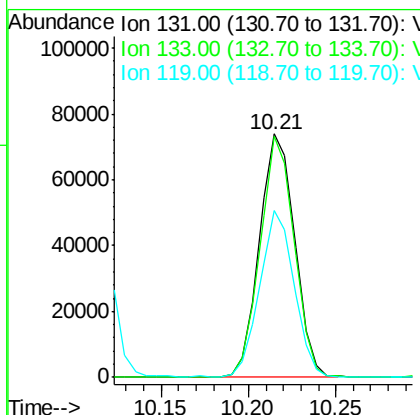
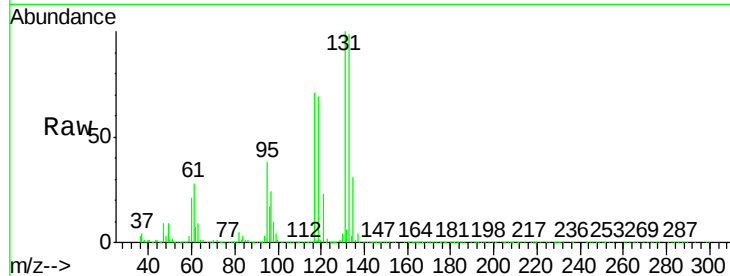




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.777 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

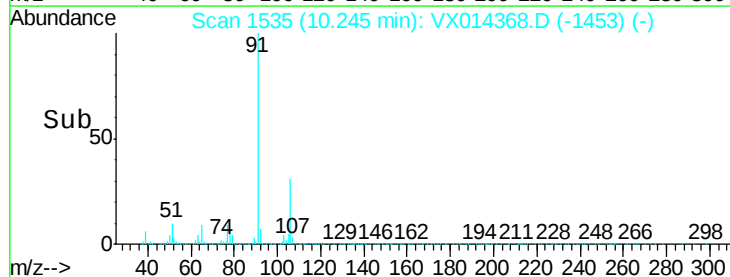
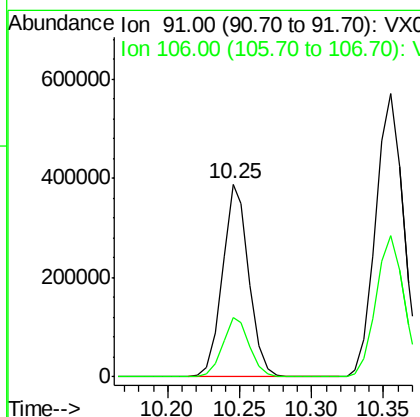
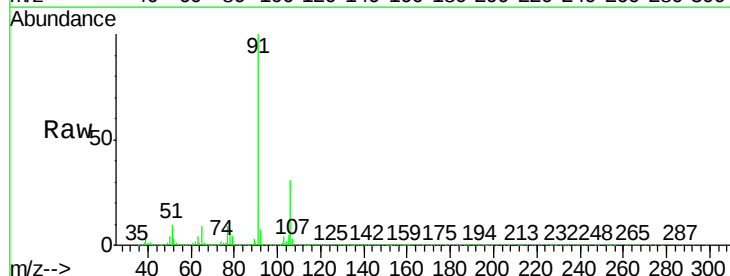
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

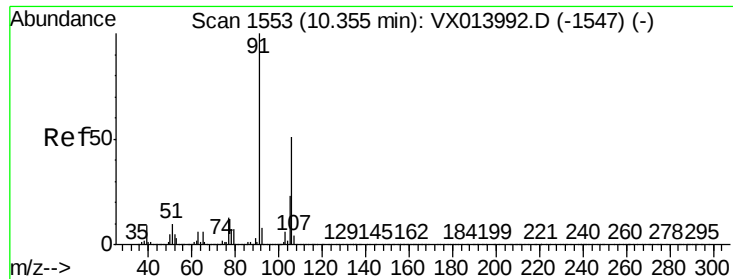
Tot Ion	Ratio	Lower	Upper
131	100		
133	95.1	0.0	189.8
119	66.4	0.0	132.2



#66
 Ethyl Benzene
 Concen: 20.082 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.2

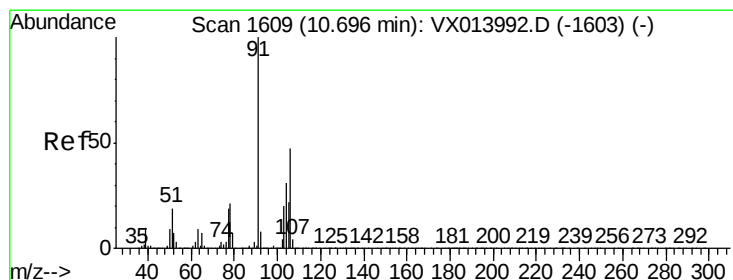
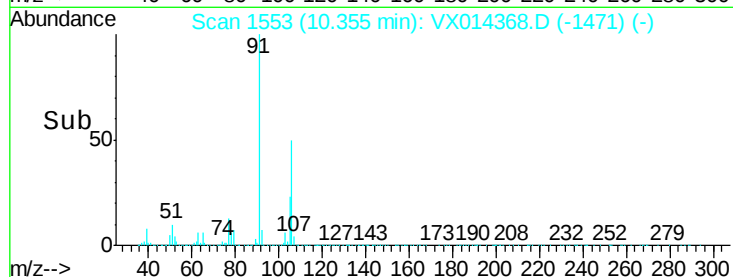
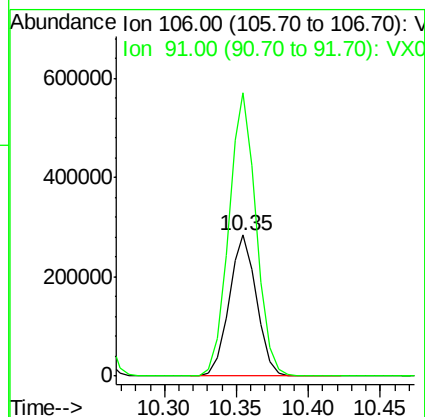
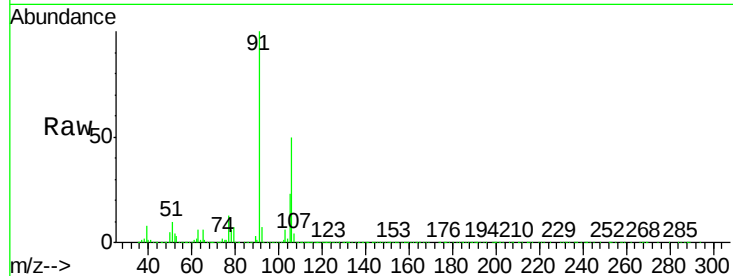




#67
m/p-Xylenes
Concen: 40.005 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

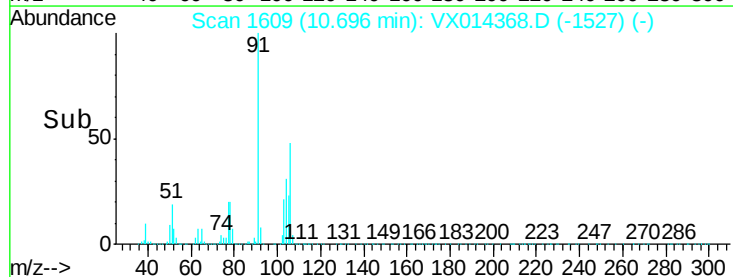
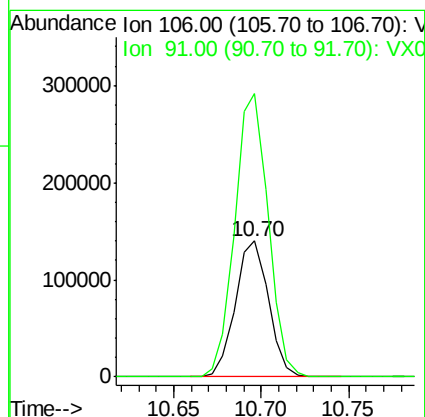
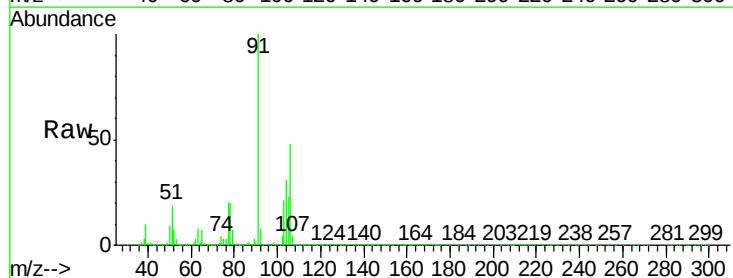
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

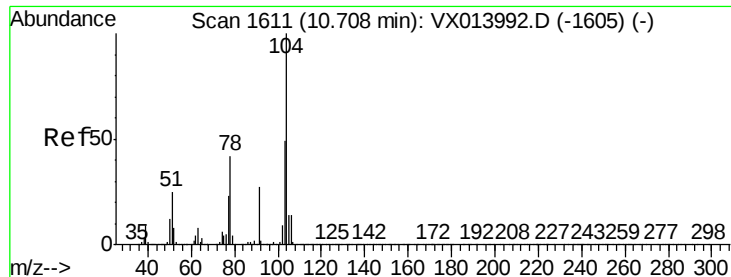
Tot Ion:106 Resp: 379460
Ion Ratio Lower Upper
106 100
91 200.2 159.3 238.9



#68
o-Xylene
Concen: 19.600 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion:106 Resp: 184175
Ion Ratio Lower Upper
106 100
91 209.3 104.8 314.6

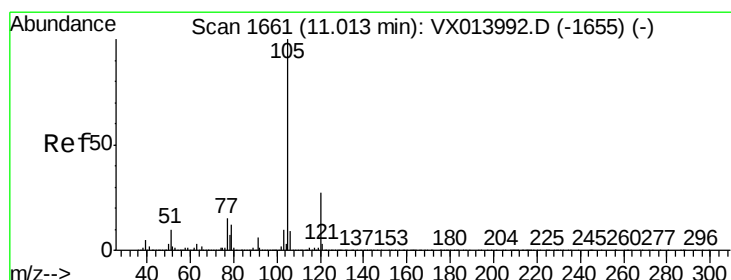
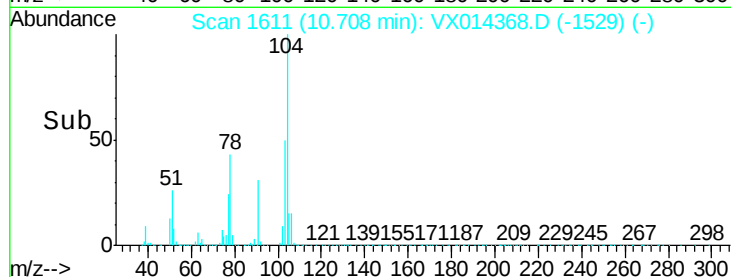
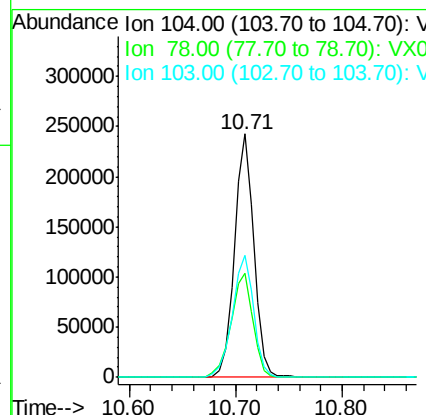
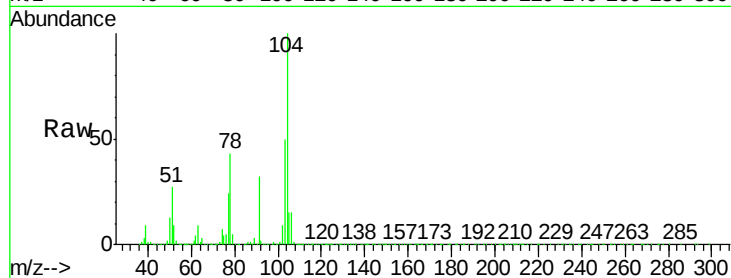




#69
Stvrene
Concen: 19.330 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

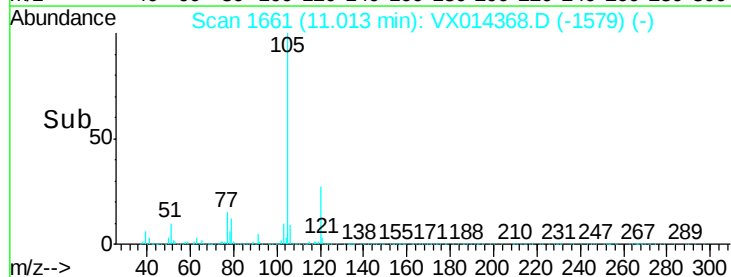
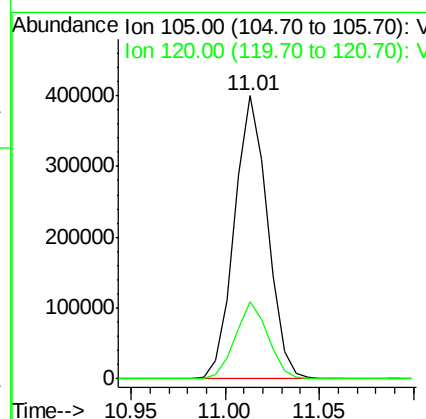
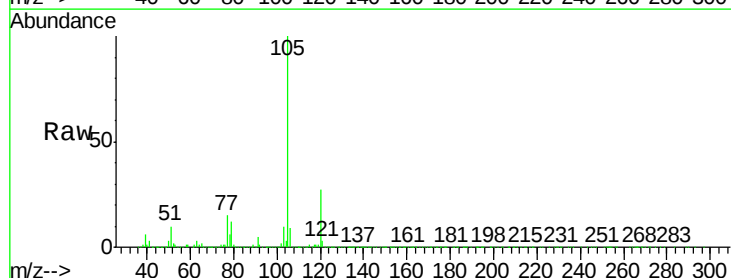
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

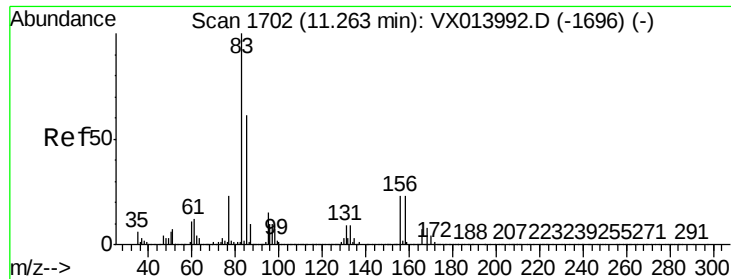
Tot Ion:104 Resp: 308884
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 54.9 44.2 66.2



#70
Isopropylbenzene
Concen: 20.008 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion:105 Resp: 485845
Ion Ratio Lower Upper
105 100
120 26.8 19.1 35.5

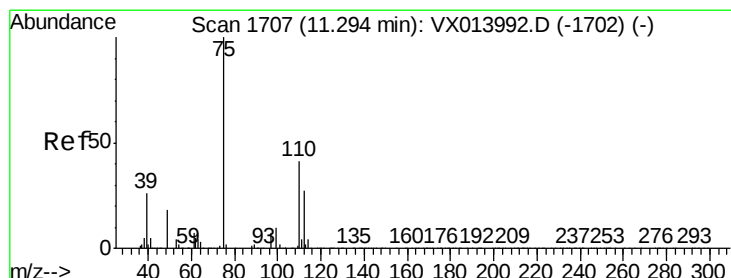
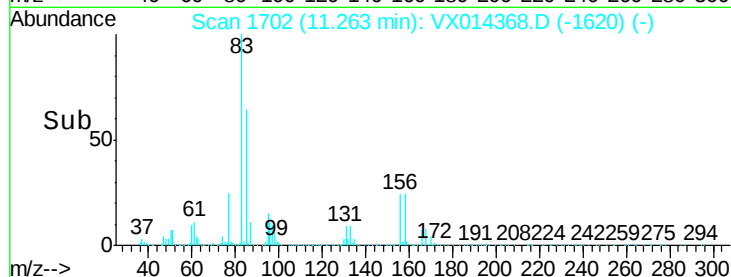
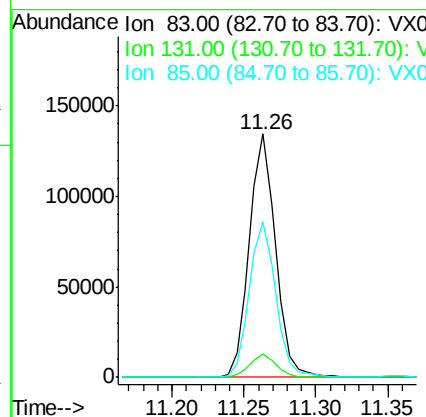
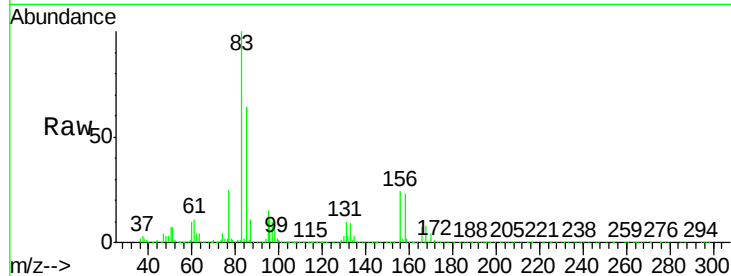




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.718 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

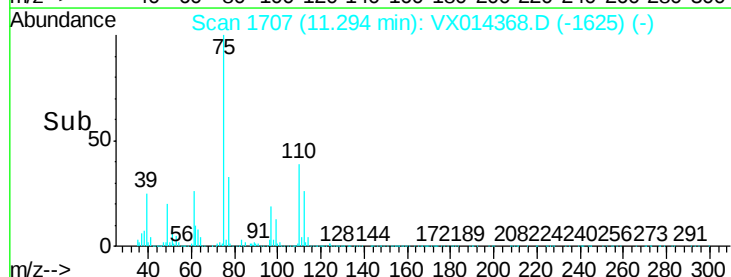
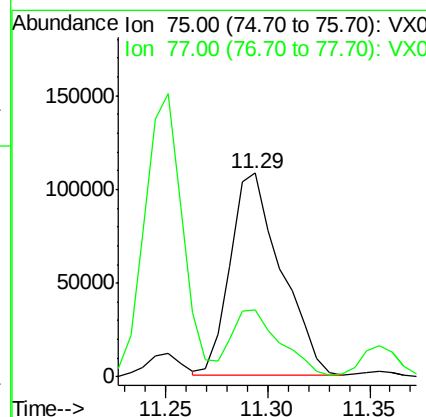
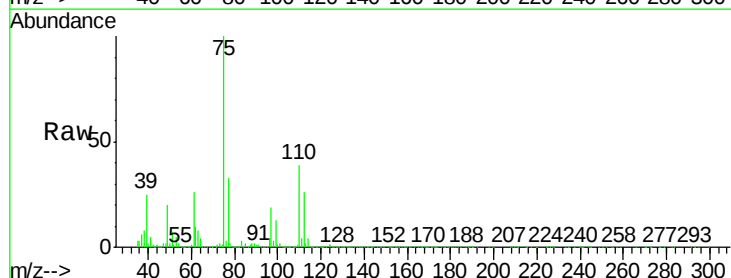
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 83 Resp: 169802
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.7
 85 64.6 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 24.348 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion: 75 Resp: 186631
 Ion Ratio Lower Upper
 75 100
 77 31.3 0.0 68.4





#73

Bromobenzene

Concen: 19.498 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

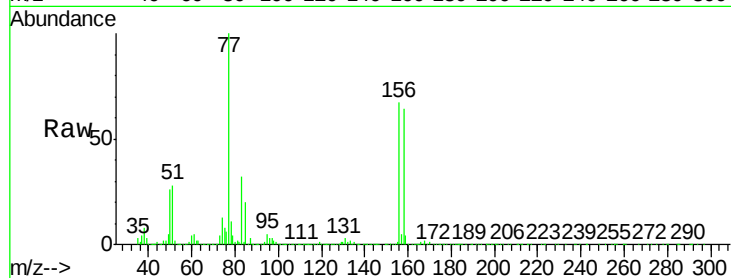
Tot Ion:156 Resp: 126393

Ion Ratio Lower Upper

156 100

77 153.6 0.0 304.6

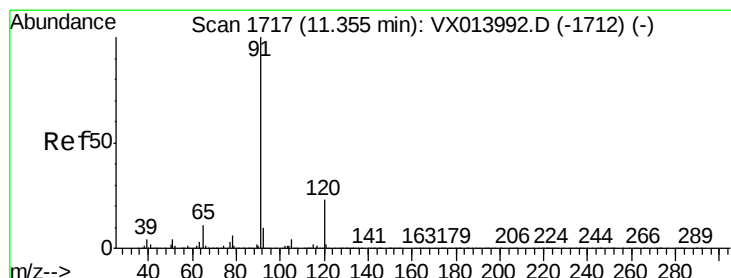
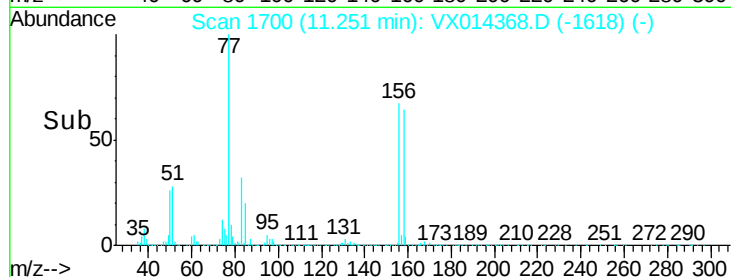
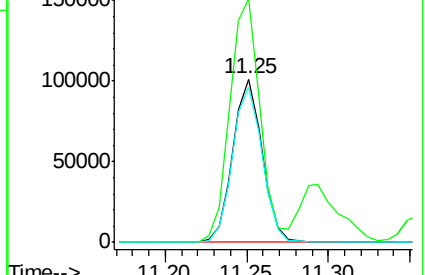
158 95.8 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.992 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014368.D

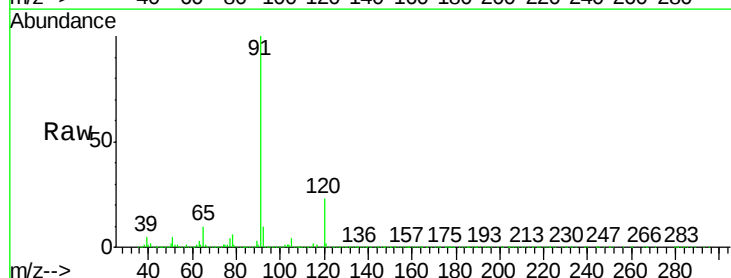
Acq: 30 Dec 2019 20:49

Tgt Ion: 91 Resp: 550621

Ion Ratio Lower Upper

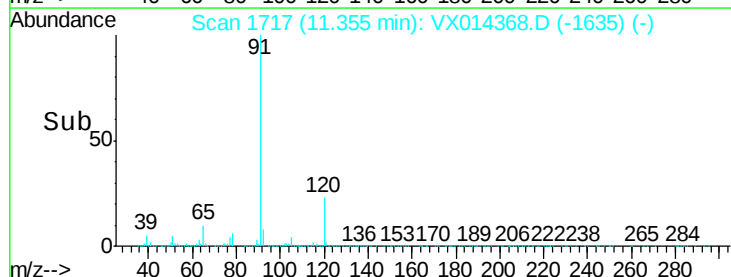
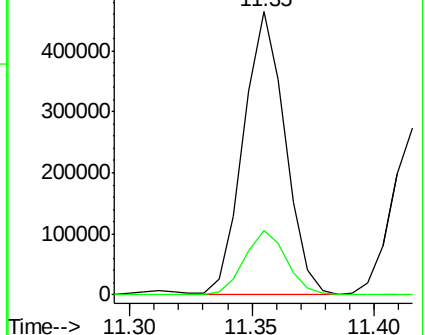
91 100

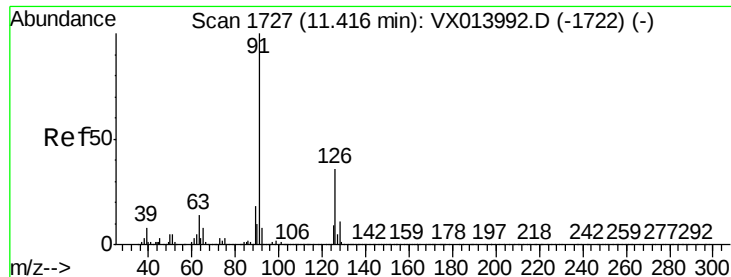
120 22.6 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.849 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

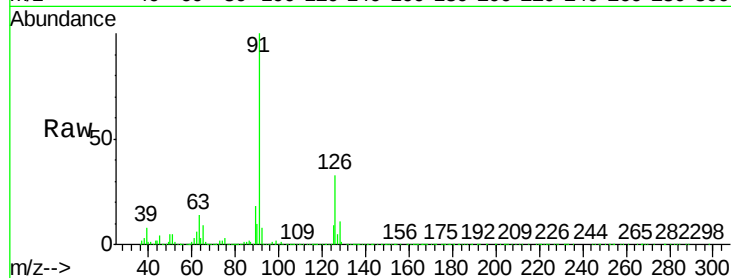
VSTDCCC020EC

Tot Ion: 91 Resp: 330316

Ion Ratio Lower Upper

91 100

126 34.0 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

500000

400000

300000

200000

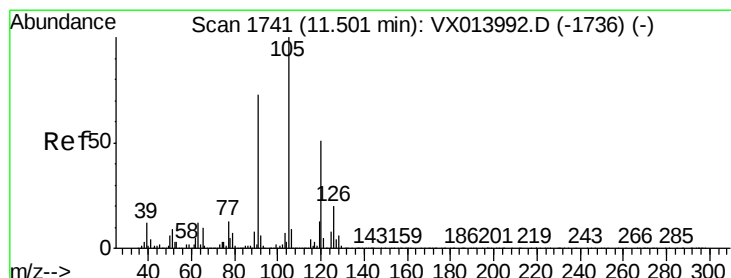
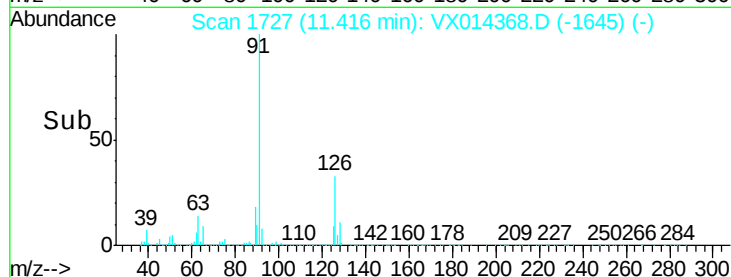
100000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.781 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014368.D

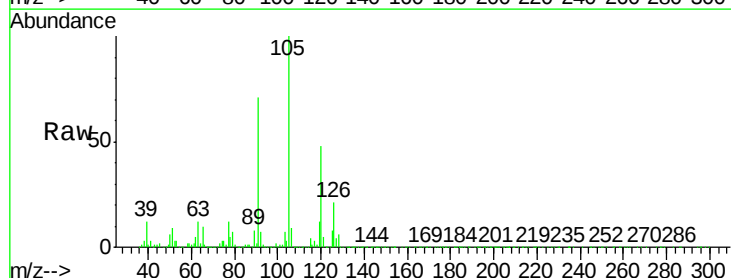
Acq: 30 Dec 2019 20:49

Tgt Ion: 105 Resp: 407480

Ion Ratio Lower Upper

105 100

120 49.1 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

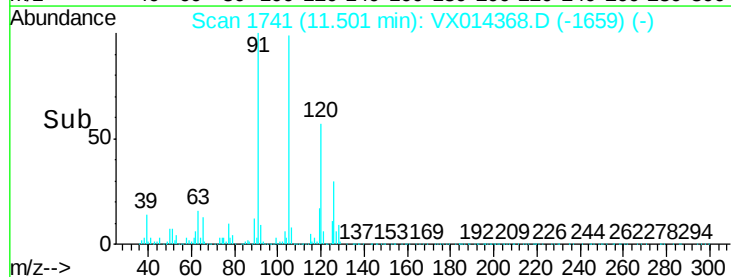
100000

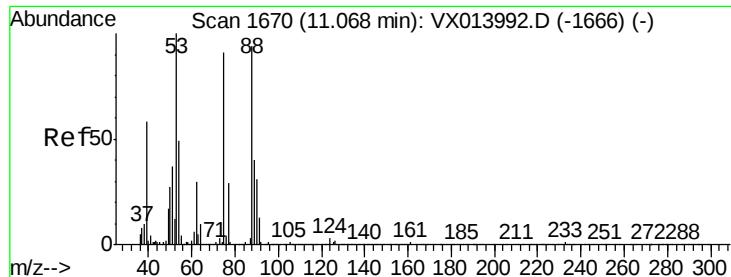
0

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.600 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

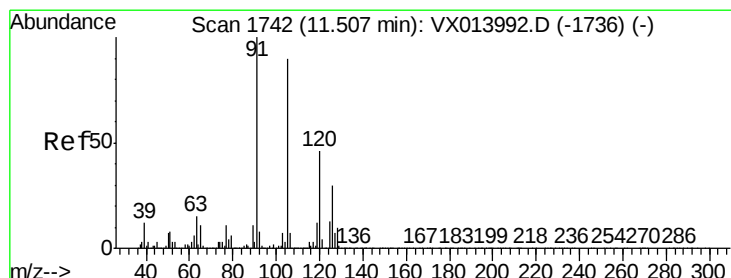
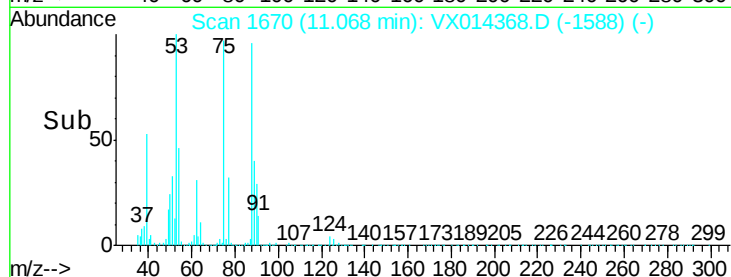
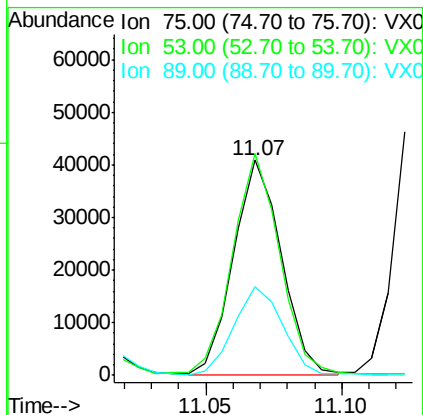
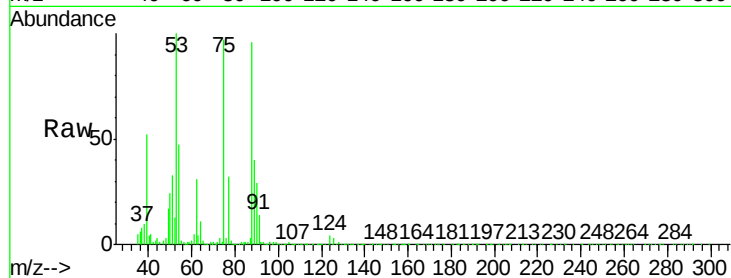
Tot Ion: 75 Resp: 49613

Ion Ratio Lower Upper

75 100

53 102.5 54.4 163.1

89 41.1 21.9 65.5



#78

4-Chlorotoluene

Concen: 19.496 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014368.D

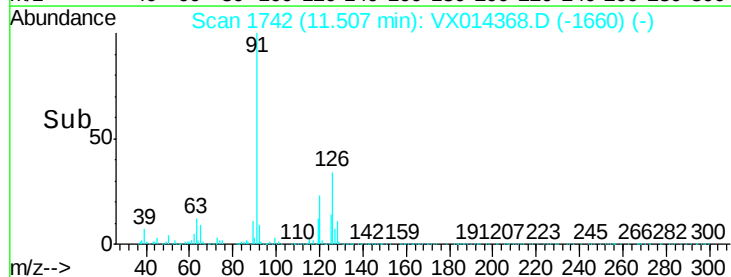
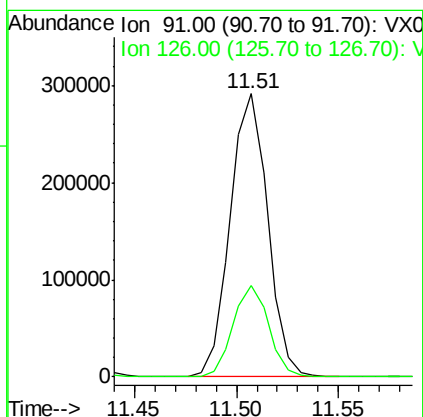
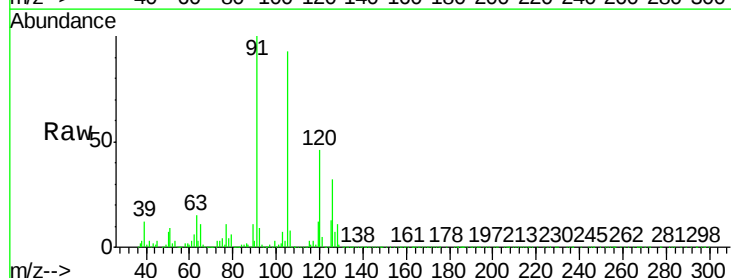
Acq: 30 Dec 2019 20:49

Tgt Ion: 91 Resp: 370740

Ion Ratio Lower Upper

91 100

126 30.8 0.0 59.6





#79

tert-butylbenzene

Concen: 19.245 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

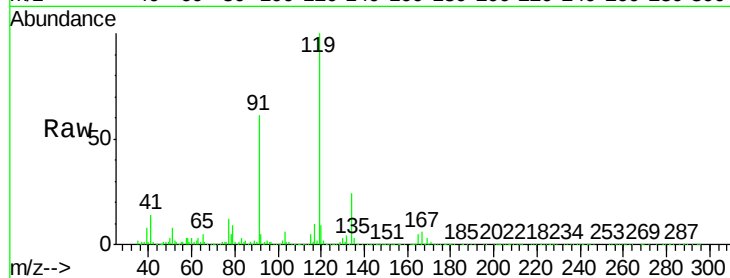
Tot Ion:119 Resp: 382106

Ion Ratio Lower Upper

119 100

91 57.1 0.0 112.6

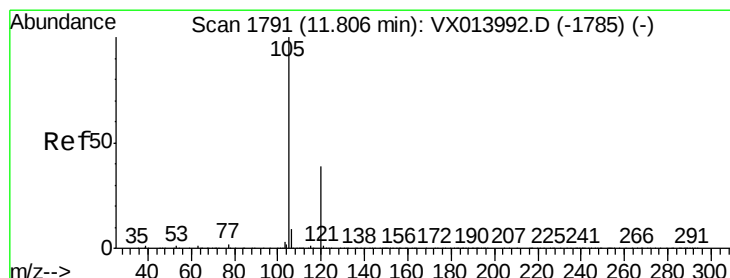
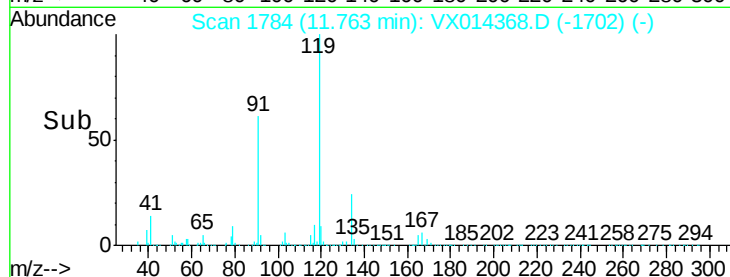
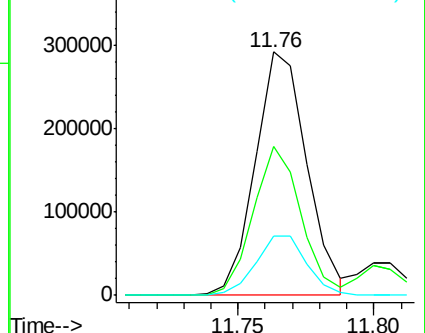
134 24.2 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.624 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014368.D

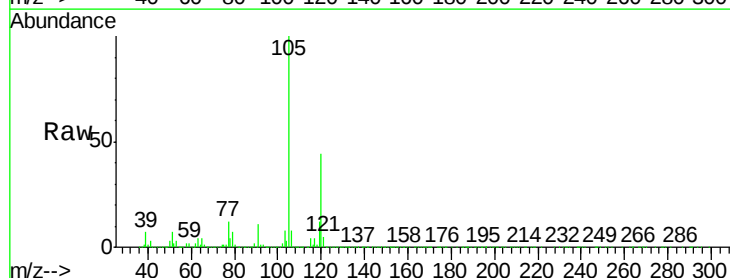
Acq: 30 Dec 2019 20:49

Tgt Ion:105 Resp: 404198

Ion Ratio Lower Upper

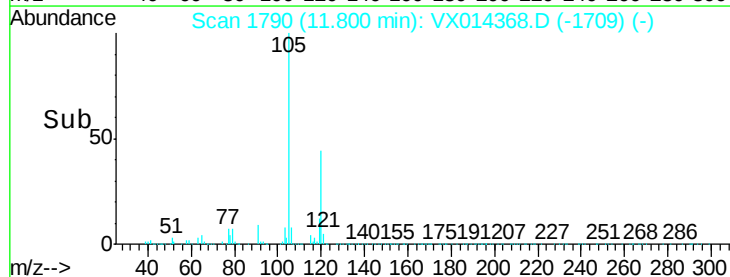
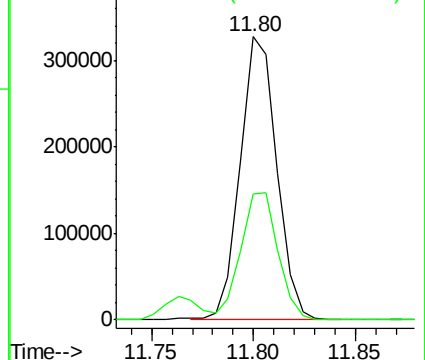
105 100

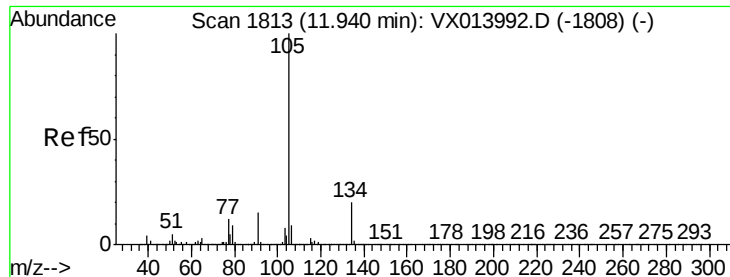
120 45.6 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

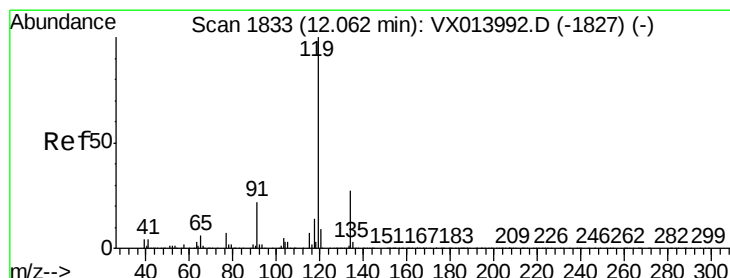
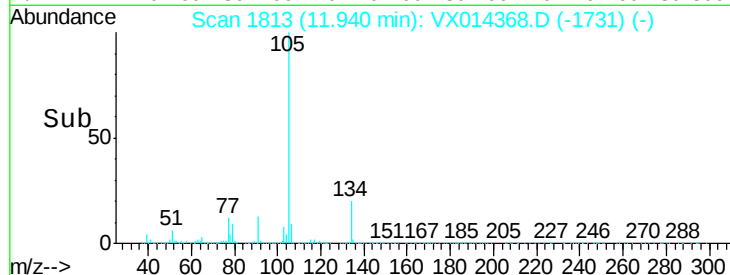
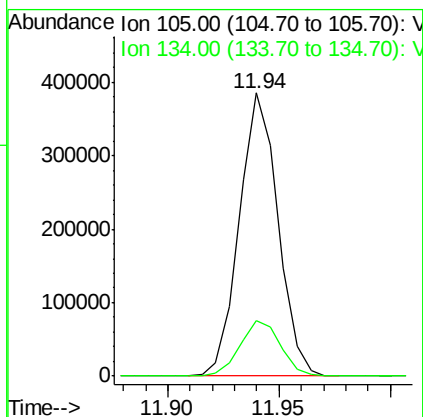
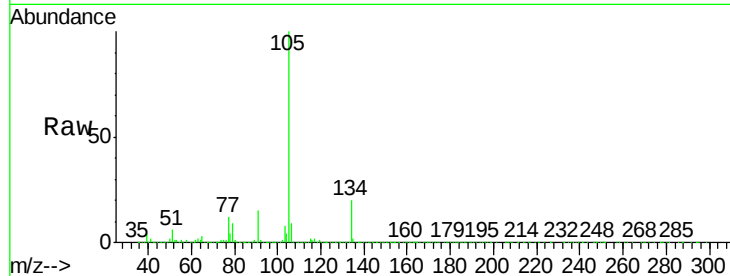




#81
 sec-Butylbenzene
 Concen: 19.750 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

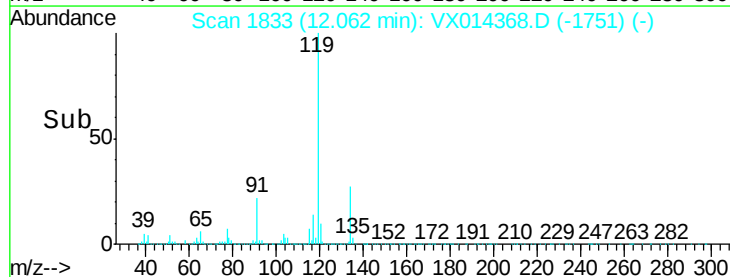
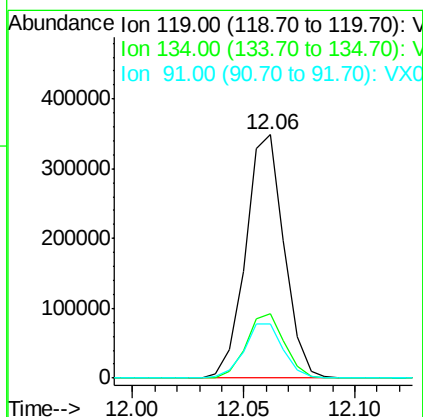
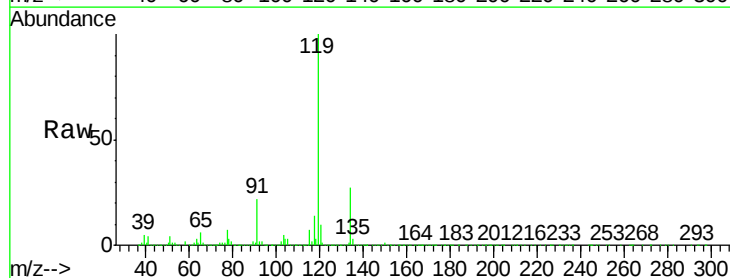
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

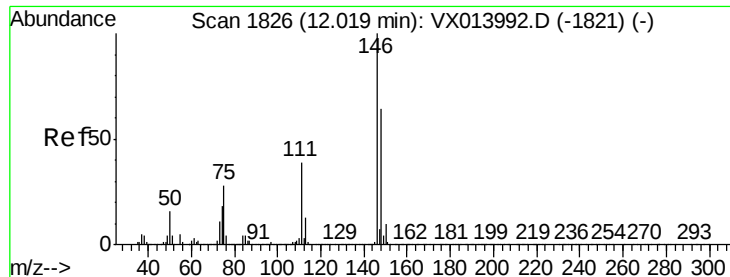
Tot Ion:105 Resp: 466433
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.2



#82
 p-Isopropyltoluene
 Concen: 19.697 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014368.D
 Acq: 30 Dec 2019 20:49

Tgt Ion:119 Resp: 419782
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.8
 91 22.6 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 19.703 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

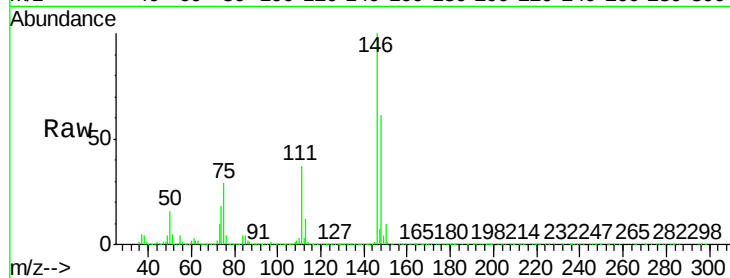
Tot Ion:146 Resp: 222610

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.9

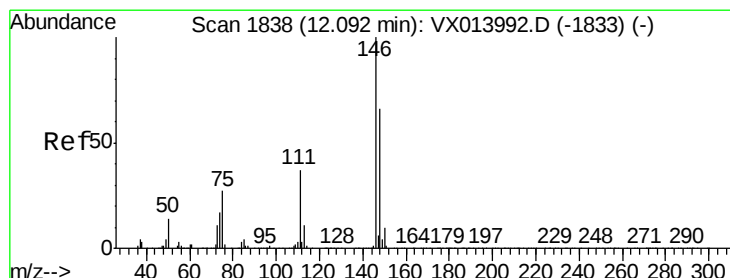
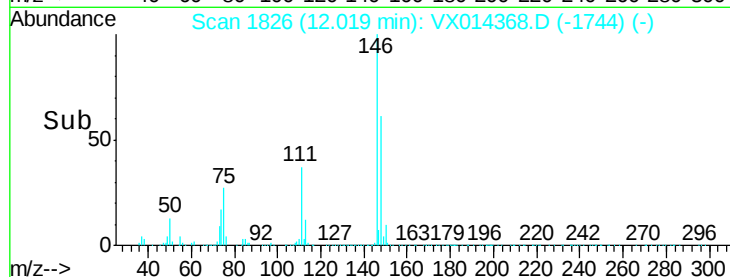
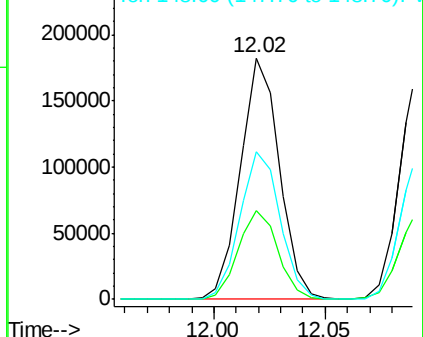
148 63.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.253 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

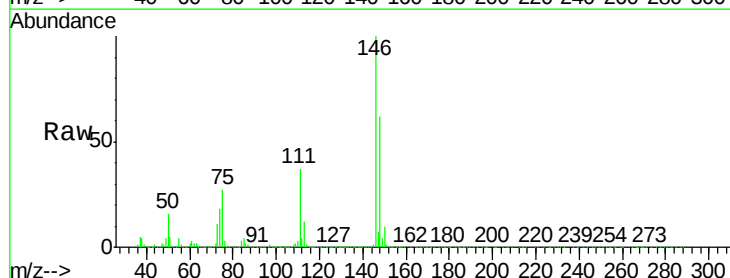
Tgt Ion:146 Resp: 216607

Ion Ratio Lower Upper

146 100

111 37.0 18.4 55.4

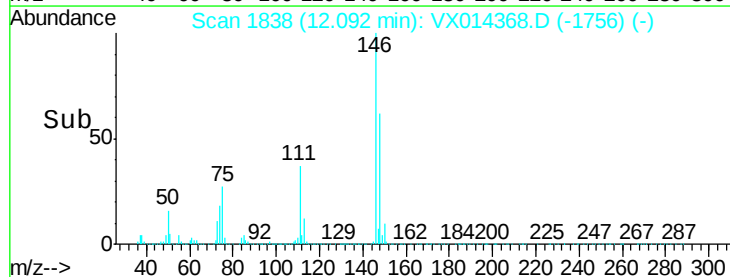
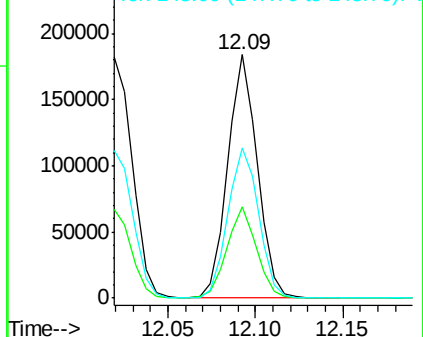
148 64.1 32.0 96.0

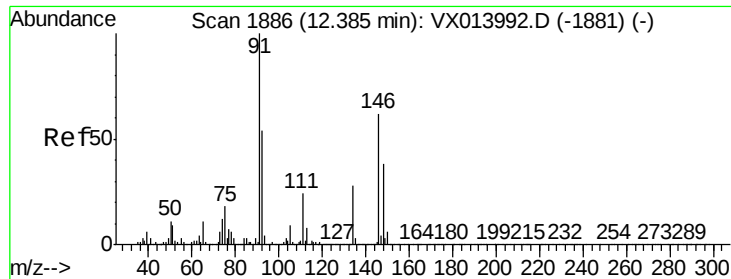


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

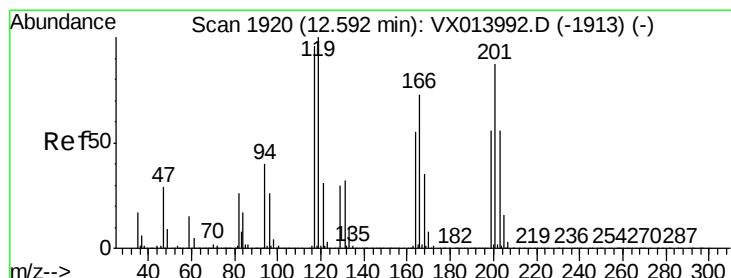
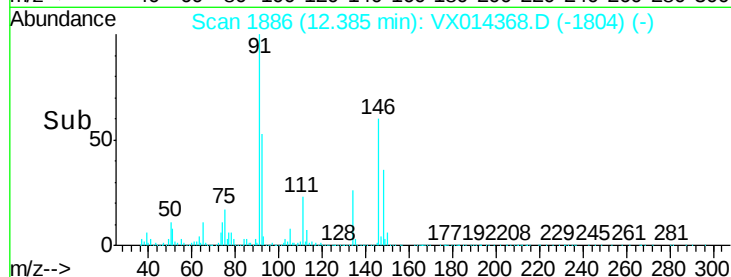
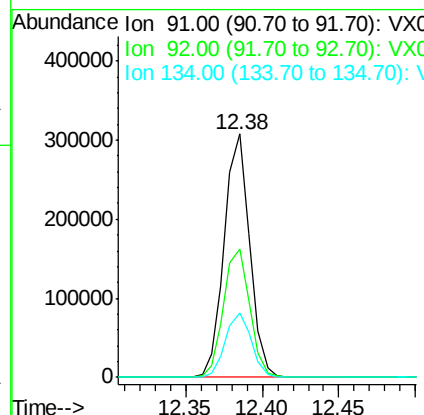
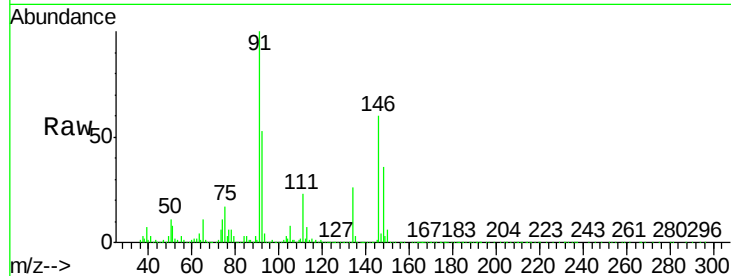




#85
n-Butylbenzene
Concen: 19.866 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

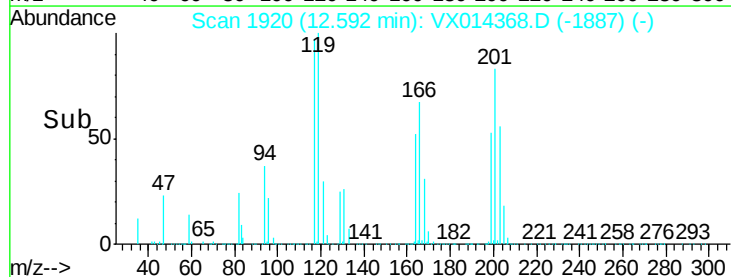
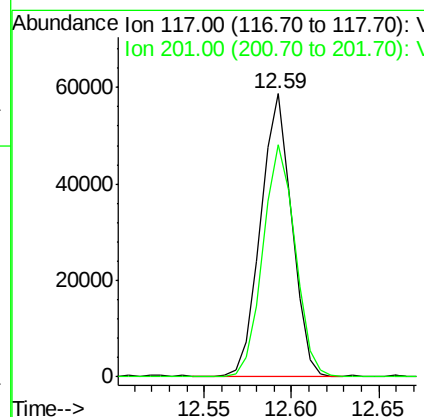
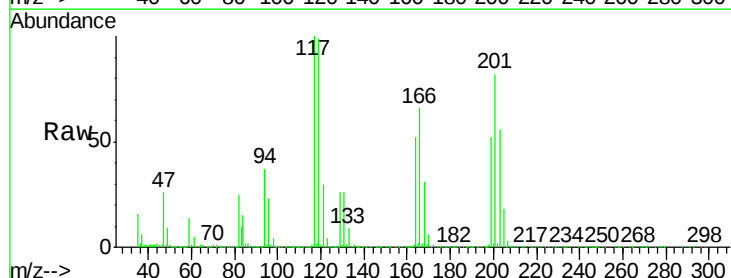
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

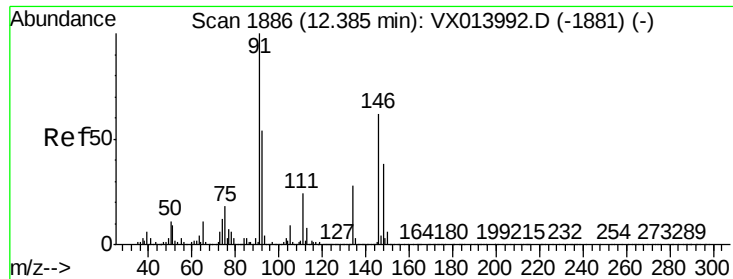
Tot Ion: 91 Resp: 355978
Ion Ratio Lower Upper
91 100
92 54.3 0.0 109.0
134 26.7 0.0 54.0



#86
Hexachloroethane
Concen: 18.752 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion: 117 Resp: 72499
Ion Ratio Lower Upper
117 100
201 85.4 44.8 134.3





#87

1,2-Dichlorobenzene

Concen: 19.407 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

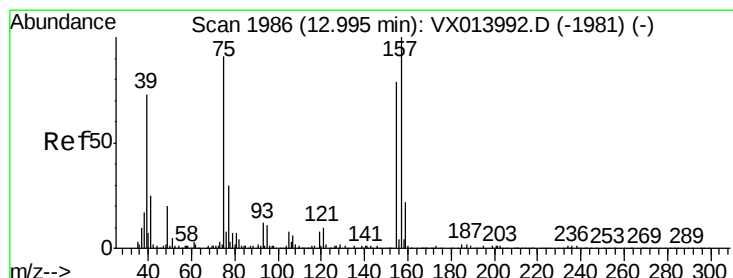
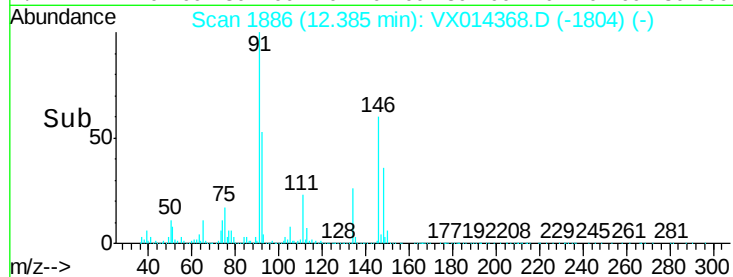
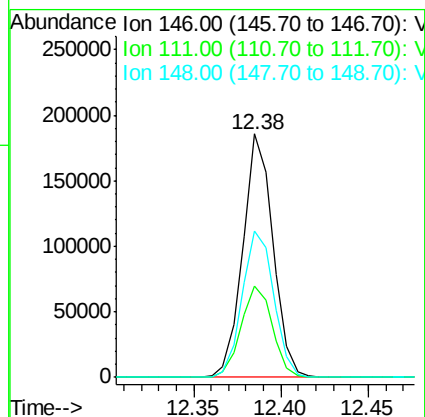
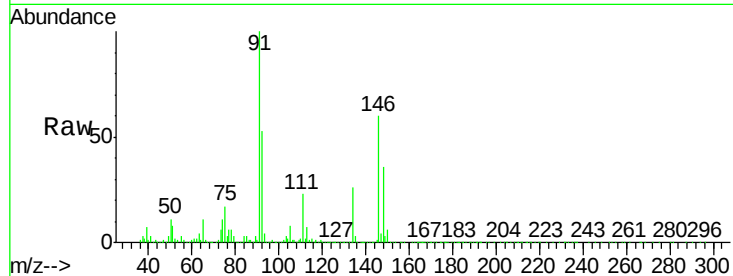
Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:146 Resp: 222714

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.1	60.2
148	63.0	32.0	96.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.559 ug/l

RT: 12.99 min Scan# 1886

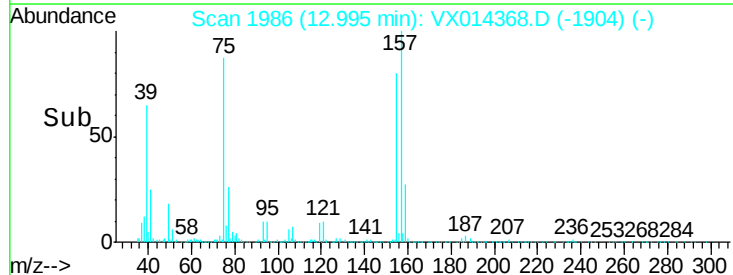
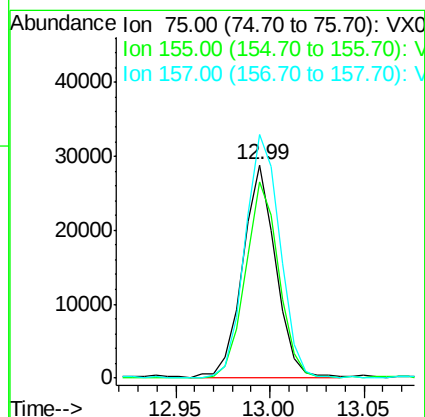
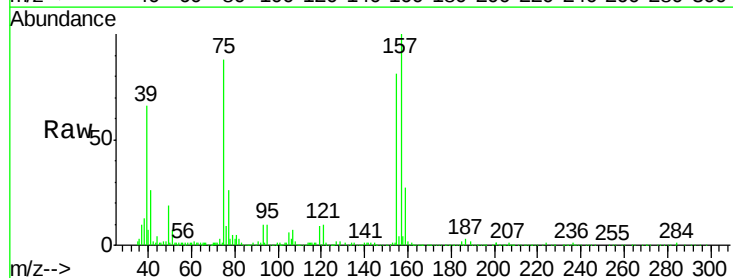
Delta R.T. -0.00 min

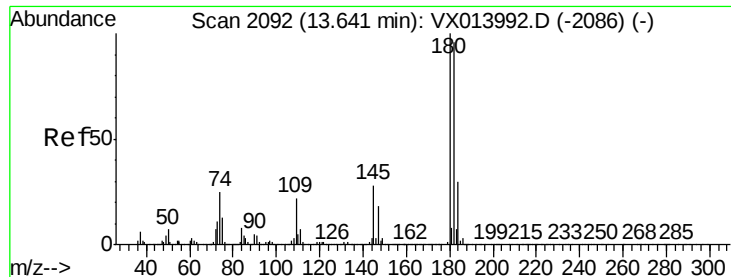
Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Tgt Ion: 75 Resp: 35287

Ion	Ratio	Lower	Upper
75	100		
155	92.5	73.8	110.6
157	119.5	95.0	142.4





#89

1,2,4-Trichlorobenzene

Concen: 19.373 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

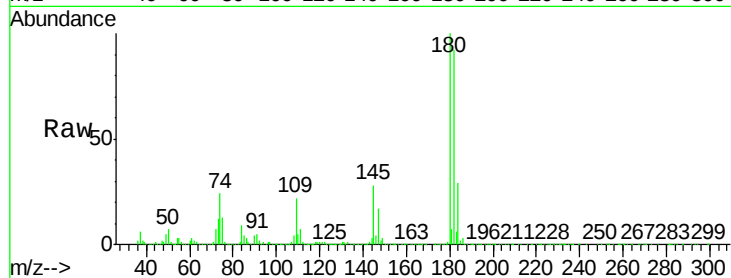
Tot Ion:180 Resp: 142096

Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

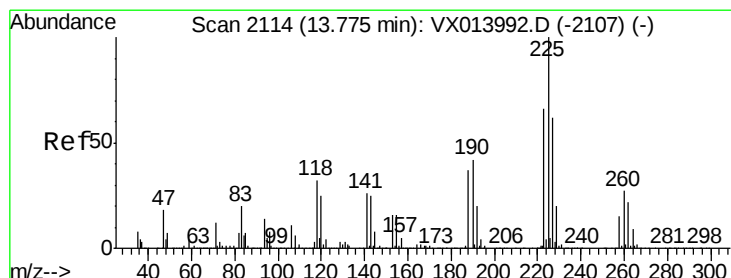
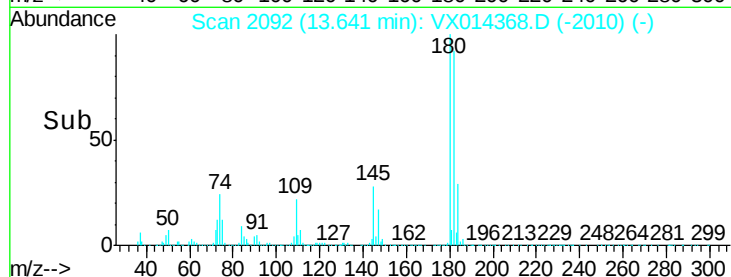
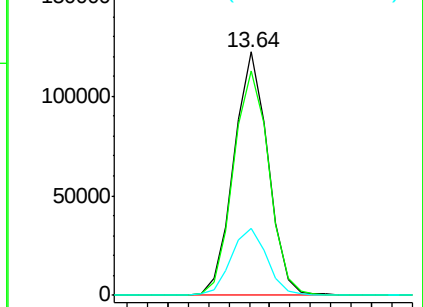
145 28.9 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 20.116 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX014368.D

Acq: 30 Dec 2019 20:49

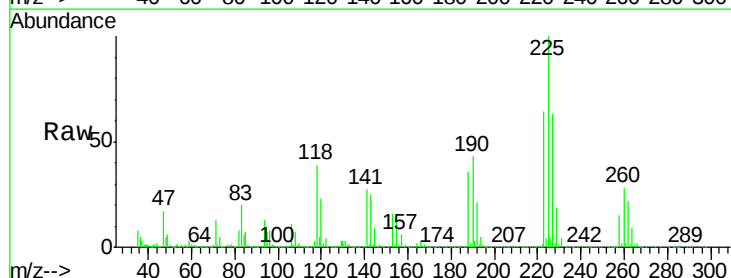
Tgt Ion:225 Resp: 70131

Ion Ratio Lower Upper

225 100

223 62.9 0.0 127.4

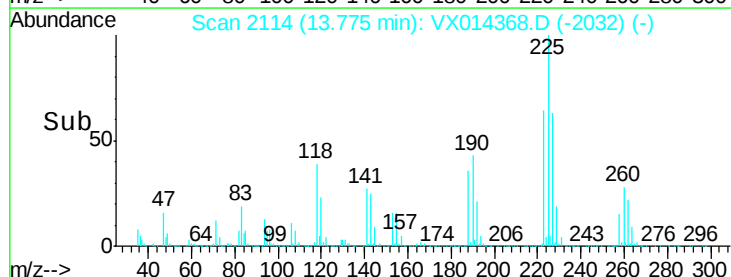
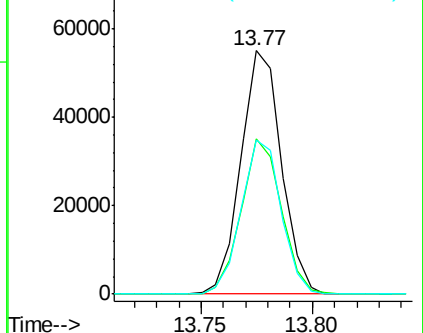
227 62.4 0.0 122.8

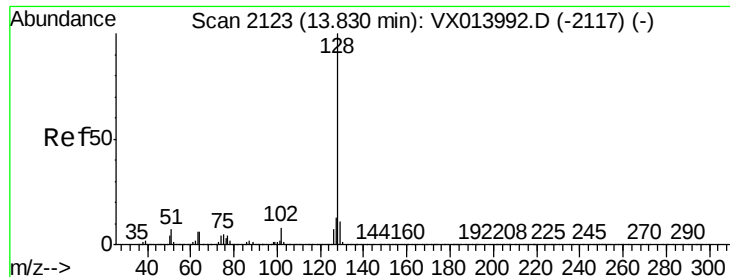


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

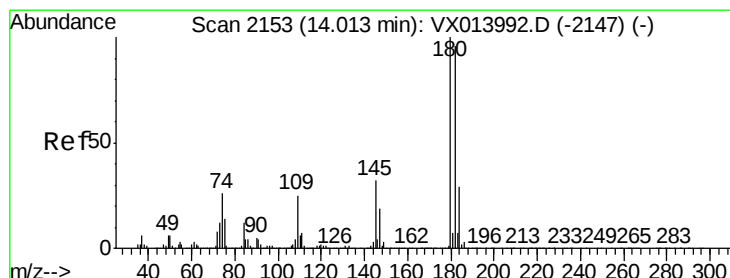
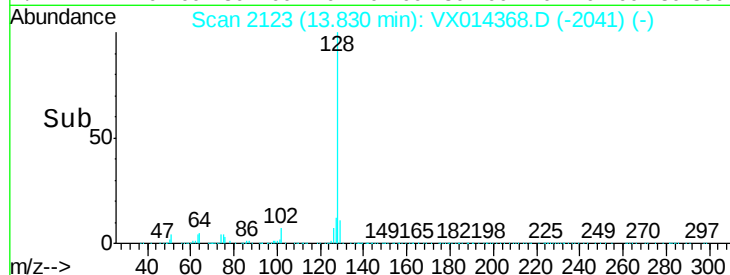
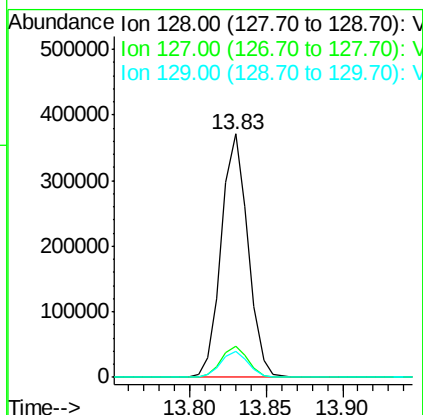
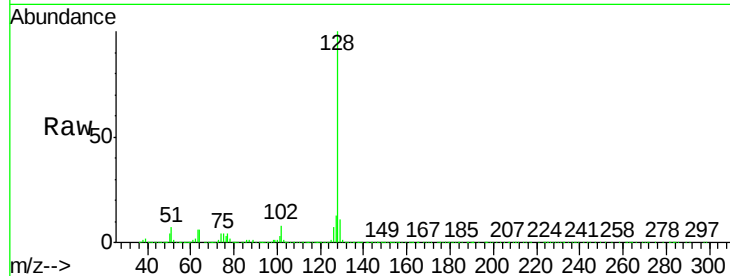




#91
Naphthalene
Concen: 20.366 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 448984
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 19.708 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014368.D
Acq: 30 Dec 2019 20:49

Tgt Ion:180 Resp: 146616
Ion Ratio Lower Upper
180 100
182 95.7 0.0 192.8
145 30.3 0.0 60.0

