

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020420\
 Data File : VX014803.D
 Acq On : 04 Feb 2020 12:52
 Operator : JC/SP
 Sample : VX0204WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Quant Time: Feb 05 03:01:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	400451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	597496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	553893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	231600	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.48	113	187698	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	8.71	98	697003	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	249957	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	94389	17.905	ug/l 98
3) Chloromethane	1.32	50	92299	17.038	ug/l 100
4) Vinyl Chloride	1.40	62	106920	18.254	ug/l 100
5) Bromomethane	1.63	94	66318	16.669	ug/l 99
6) Chloroethane	1.72	64	61504	17.452	ug/l 97
7) Trichlorofluoromethane	1.92	101	127583	18.706	ug/l 98
8) Diethyl Ether	2.17	74	57582	19.343	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	76696	19.156	ug/l 98
10) Methyl Iodide	2.50	142	95141	18.109	ug/l 98
11) Tert butyl alcohol	3.02	59	98826	94.130	ug/l 98
12) 1,1-Dichloroethene	2.36	96	72748	18.274	ug/l 97
13) Acrolein	2.28	56	57858	69.893	ug/l 98
14) Allyl chloride	2.72	41	131832	18.424	ug/l 99
15) Acrylonitrile	3.12	53	234202	96.412	ug/l 99
16) Acetone	2.43	43	227636	88.915	ug/l 100
17) Carbon Disulfide	2.56	76	178162	16.375	ug/l 98
18) Methyl Acetate	2.76	43	146784	20.064	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	262813	20.156	ug/l 99
20) Methylene Chloride	2.84	84	88512	18.664	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	77869	17.766	ug/l 96
22) Diisopropyl ether	3.84	45	280172	19.681	ug/l 95
23) Vinyl Acetate	3.80	43	1086254	100.098	ug/l 100
24) 1,1-Dichloroethane	3.68	63	148099	19.156	ug/l 99
25) 2-Butanone	4.65	43	334863	91.192	ug/l 97
26) 2,2-Dichloropropane	4.57	77	117336	18.961	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	93823	19.126	ug/l 97
28) Bromochloromethane	5.00	49	61400	18.073	ug/l 97
29) Tetrahydrofuran	5.11	42	200440	91.969	ug/l 96
30) Chloroform	5.20	83	148174	19.348	ug/l 99
31) Cyclohexane	5.56	56	128595	17.685	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	123074	19.012	ug/l 99
36) 1,1-Dichloropropene	5.79	75	105486	19.000	ug/l 98
37) Ethyl Acetate	4.81	43	125326	19.709	ug/l 99
38) Carbon Tetrachloride	5.77	117	102905	19.408	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	130216	18.722	ug/l	96
40) Benzene	6.13	78	333936	19.467	ug/l	99
41) Methacrylonitrile	5.02	41	68986	18.857	ug/l	97
42) 1,2-Dichloroethane	6.18	62	124797	21.067	ug/l	100
43) Isopropyl Acetate	6.43	43	205285	19.715	ug/l	99
44) Trichloroethene	7.20	130	93260	19.247	ug/l	100
45) 1,2-Dichloropropane	7.50	63	87825	19.873	ug/l	99
46) Dibromomethane	7.65	93	58525	20.447	ug/l	99
47) Bromodichloromethane	7.89	83	111955	19.943	ug/l	99
48) Methyl methacrylate	7.76	41	100078	20.115	ug/l	99
49) 1,4-Dioxane	7.73	88	41601	394.462	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	649459	98.821	ug/l	100
52) Toluene	8.78	92	209491	19.867	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	123157	20.374	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	136682	20.555	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	90895	21.054	ug/l	98
56) Ethyl methacrylate	9.17	69	133700	19.400	ug/l	99
57) 1,3-Dichloropropane	9.36	76	148793	20.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	220405	101.513	ug/l	99
59) 2-Hexanone	9.48	43	499738	97.991	ug/l	100
60) Dibromochloromethane	9.57	129	91051	20.205	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92206	20.200	ug/l	100
64) Tetrachloroethene	9.33	164	101263	18.469	ug/l	97
65) Chlorobenzene	10.13	112	230423	19.449	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	86921	19.898	ug/l	98
67) Ethyl Benzene	10.25	91	391327	19.344	ug/l	100
68) m/p-Xylenes	10.35	106	301288	39.313	ug/l	99
69) o-Xylene	10.69	106	143060	19.336	ug/l	99
70) Styrene	10.70	104	246361	19.850	ug/l	100
71) Bromoform	10.85	173	67908	19.549	ug/l #	99
73) Isopropylbenzene	11.01	105	389020	19.889	ug/l	100
74) N-amyl acetate	10.89	43	166447	19.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	131743	18.864	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	150052	23.185	ug/l	92
77) Bromobenzene	11.25	156	102531	19.512	ug/l	99
78) n-propylbenzene	11.35	91	437113	19.688	ug/l	99
79) 2-Chlorotoluene	11.42	91	264221	19.669	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	325203	20.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40341	17.738	ug/l	92
82) 4-Chlorotoluene	11.51	91	300199	19.629	ug/l	99
83) tert-Butylbenzene	11.76	119	302799	19.850	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	324913	19.954	ug/l	98
85) sec-Butylbenzene	11.94	105	374108	20.019	ug/l	100
86) p-Isopropyltoluene	12.06	119	345798	20.023	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181447	19.214	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	182074	19.248	ug/l	98
89) n-Butylbenzene	12.39	91	291970	19.411	ug/l	98
90) Hexachloroethane	12.59	117	60255	18.783	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	185183	19.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28839	19.220	ug/l	98

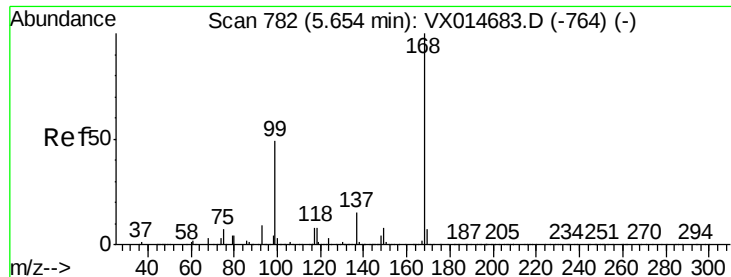
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	126921	20.989	ug/l	96
94) Hexachlorobutadiene	13.78	225	62808	20.180	ug/l	100
95) Naphthalene	13.83	128	359269	19.012	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	123861	20.257	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

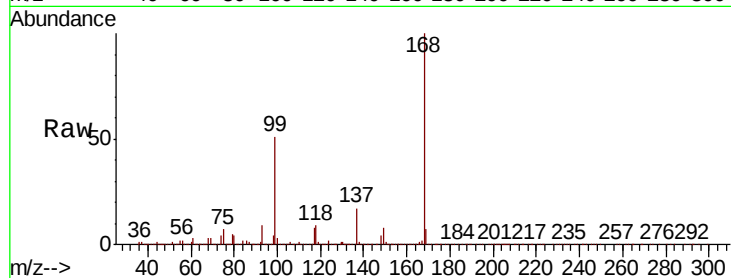
VX0204WBSD01

Tot Ion:168 Resp: 400451

Ion Ratio Lower Upper

168 100

99 50.3 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

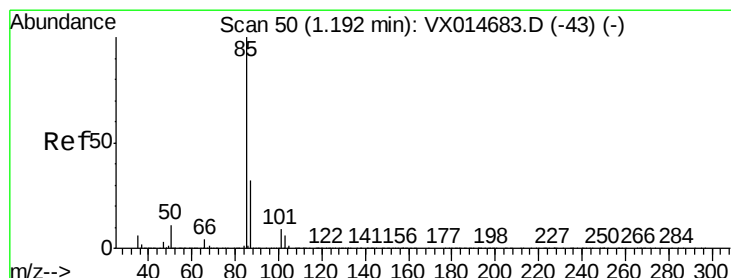
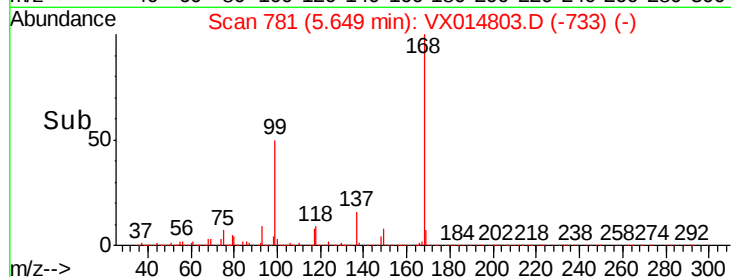
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.905 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014803.D

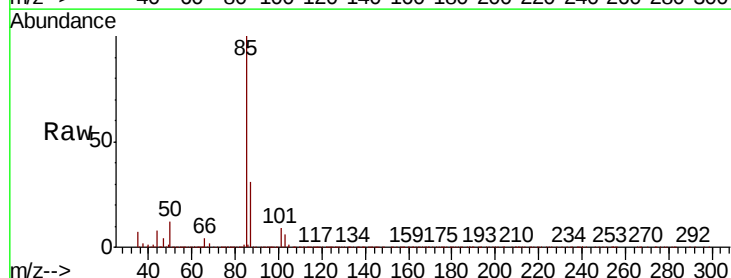
Acq: 04 Feb 2020 12:52

Tgt Ion: 85 Resp: 94389

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

60000

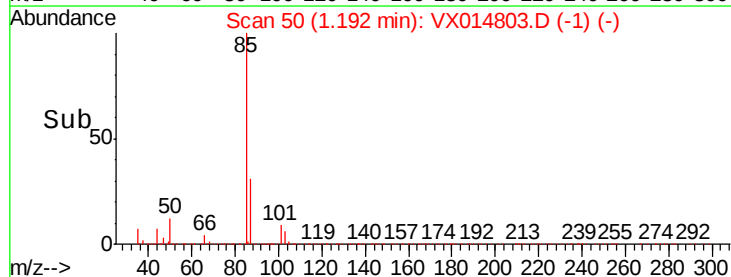
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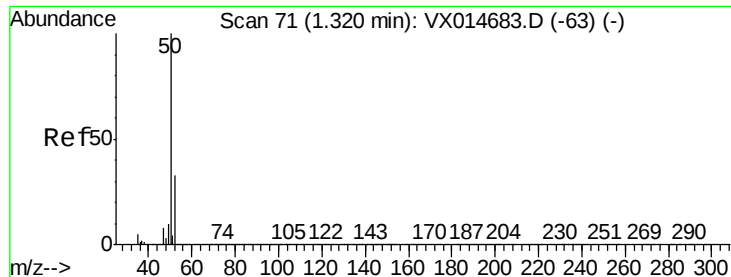
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.038 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

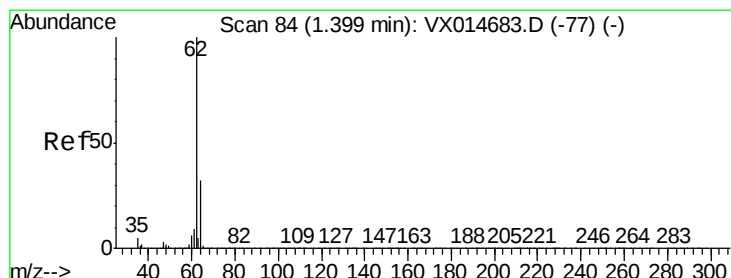
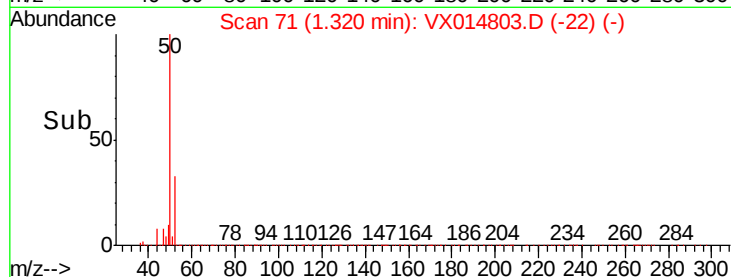
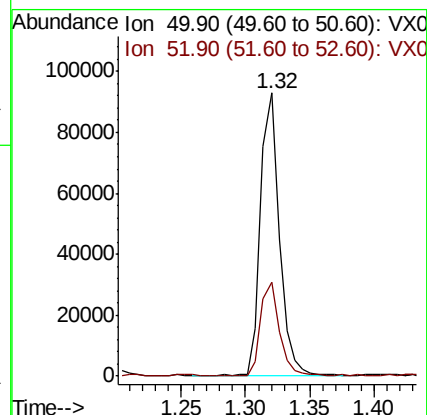
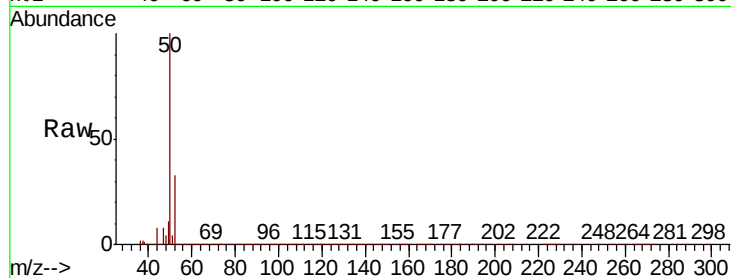
VX0204WBSD01

Tot Ion: 50 Resp: 92299

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 18.254 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014803.D

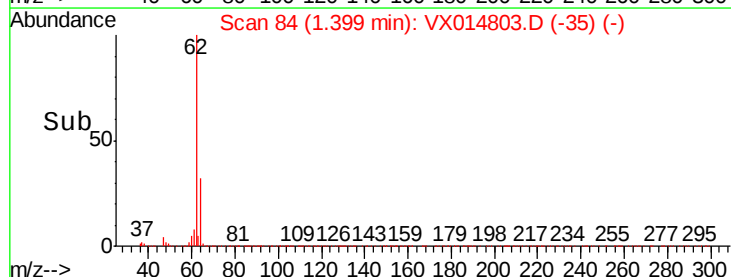
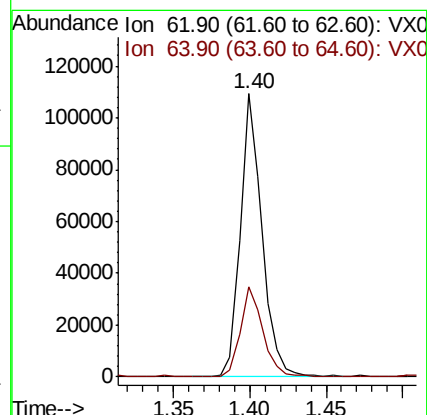
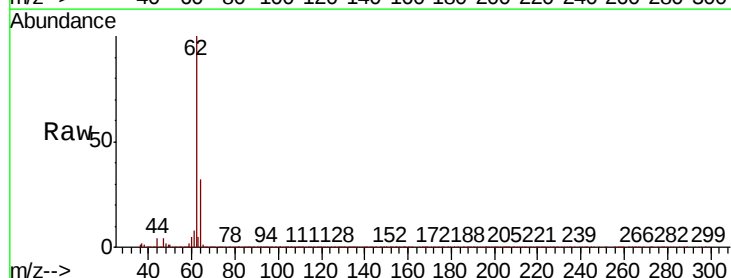
Acq: 04 Feb 2020 12:52

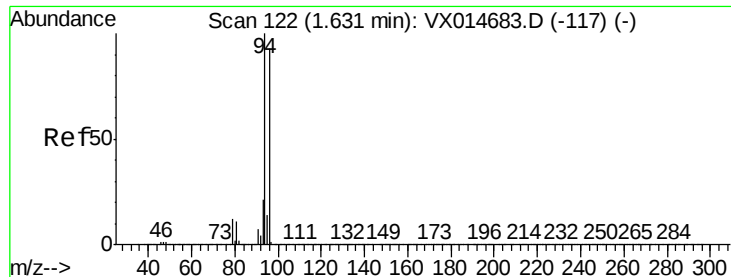
Tgt Ion: 62 Resp: 106920

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 16.669 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

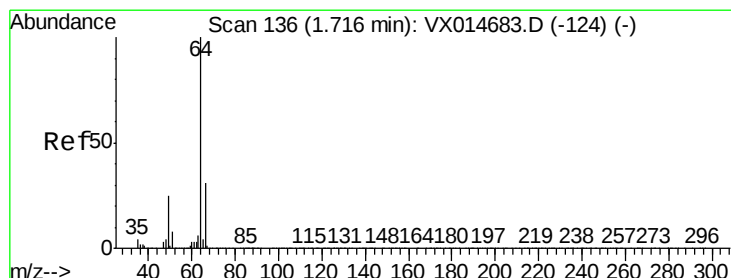
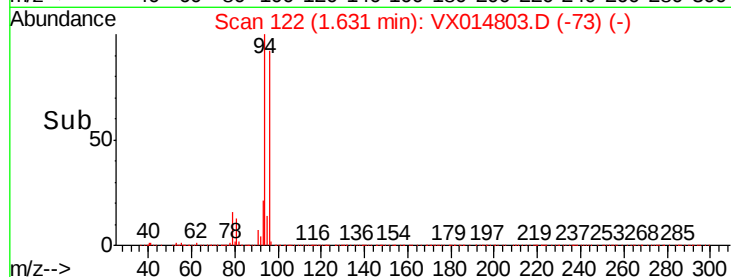
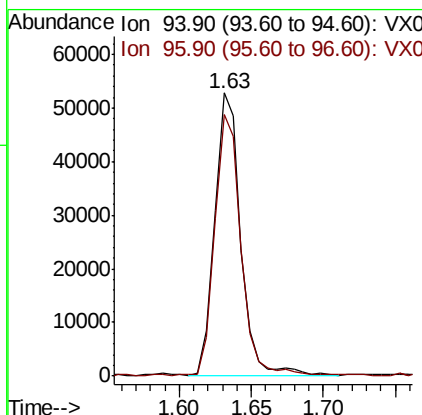
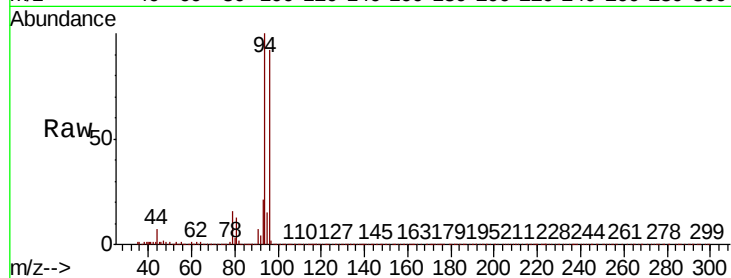
VX0204WBSD01

Tot Ion: 94 Resp: 66318

Ion Ratio Lower Upper

94 100

96 92.1 74.7 112.1



#6

Chloroethane

Concen: 17.452 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014803.D

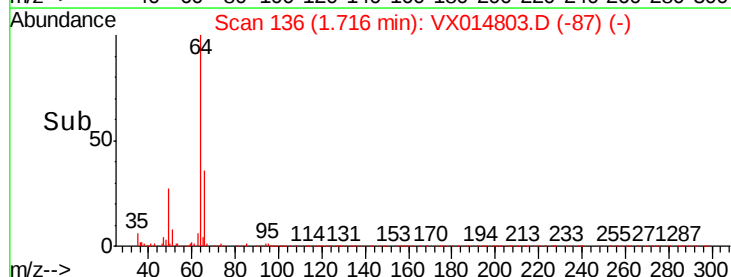
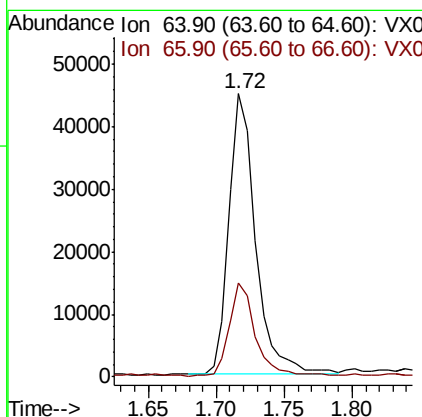
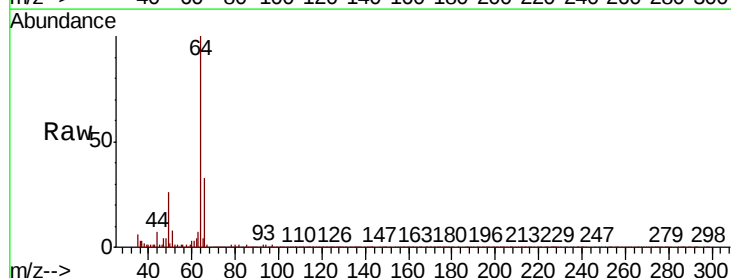
Acq: 04 Feb 2020 12:52

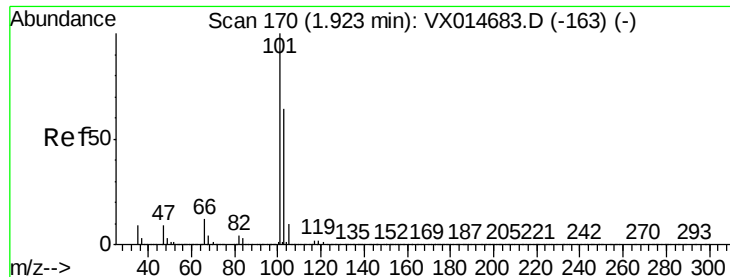
Tgt Ion: 64 Resp: 61504

Ion Ratio Lower Upper

64 100

66 33.2 25.2 37.8



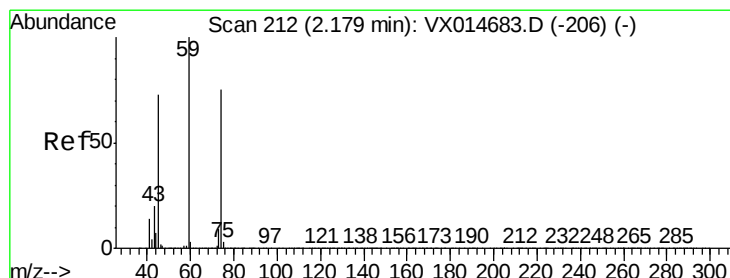
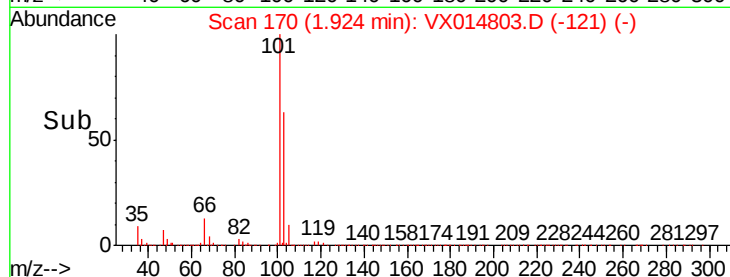
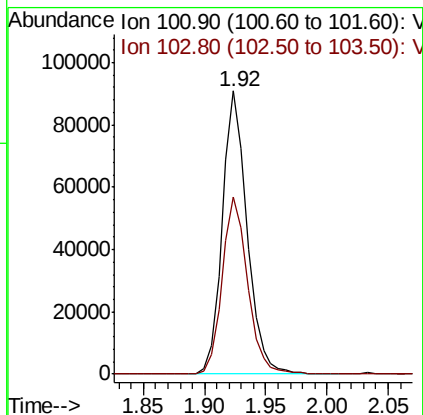
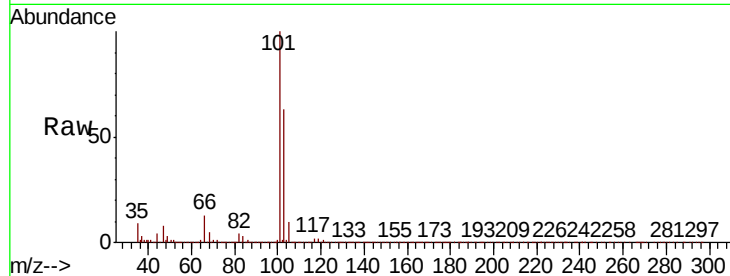


#7

Trichlorofluoromethane
Concen: 18.706 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014803.D
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Instrument :
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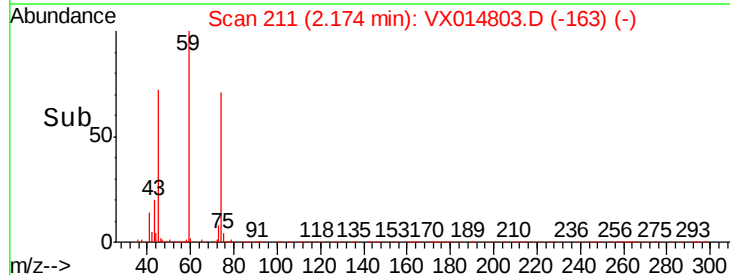
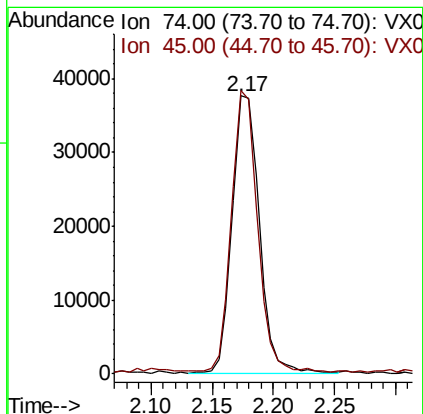
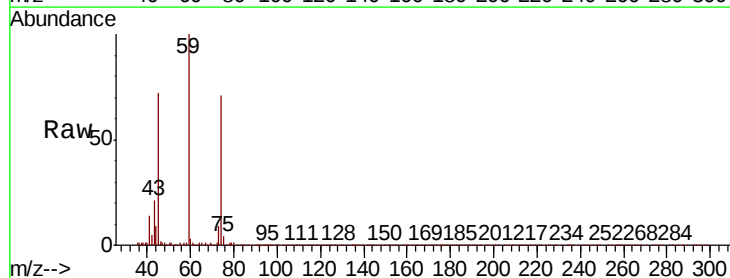
Tot Ion:101 Resp: 127583
Ion Ratio Lower Upper
101 100
103 62.5 51.0 76.6

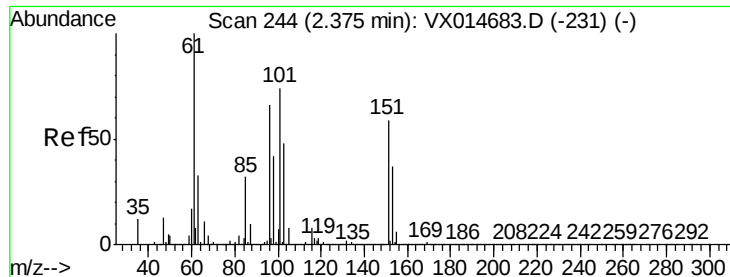


#8

Diethyl Ether
Concen: 19.343 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion: 74 Resp: 57582
Ion Ratio Lower Upper
74 100
45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.156 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

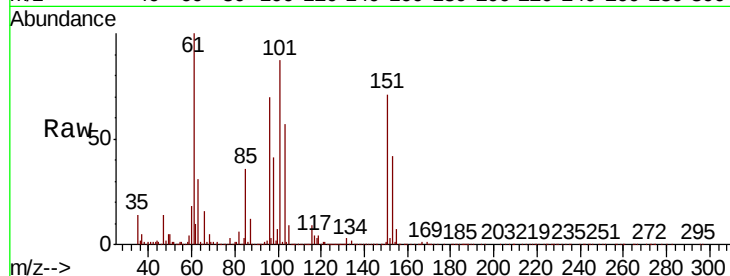
Tot Ion:101 Resp: 76696

Ion Ratio Lower Upper

101 100

85 43.6 34.7 52.1

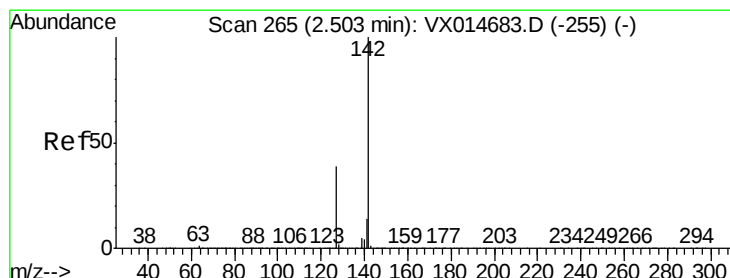
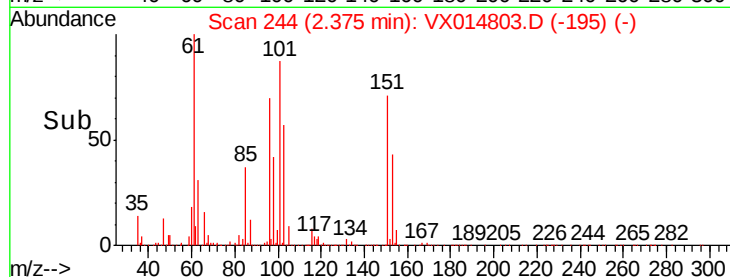
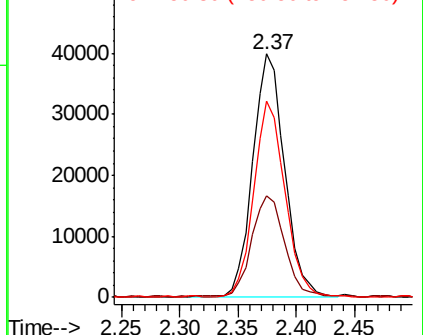
151 78.3 64.7 97.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.109 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

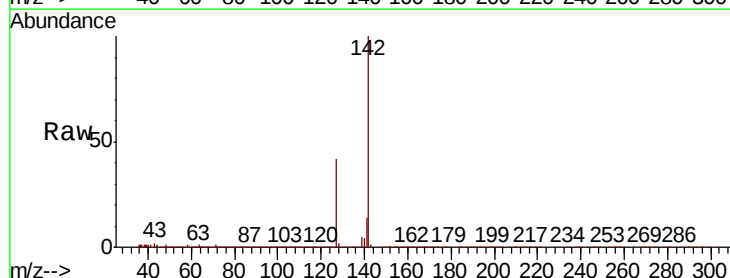
Tgt Ion:142 Resp: 95141

Ion Ratio Lower Upper

142 100

127 40.6 31.1 46.7

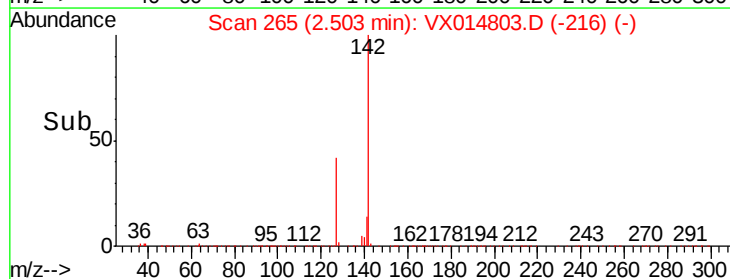
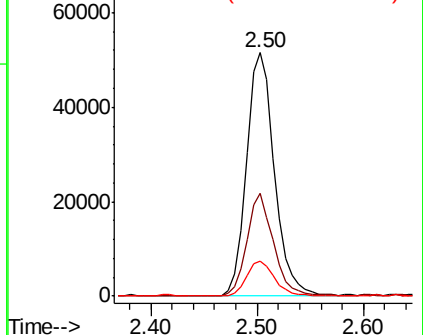
141 14.0 11.3 16.9

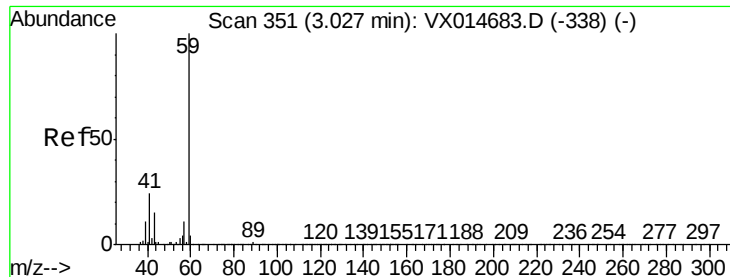


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



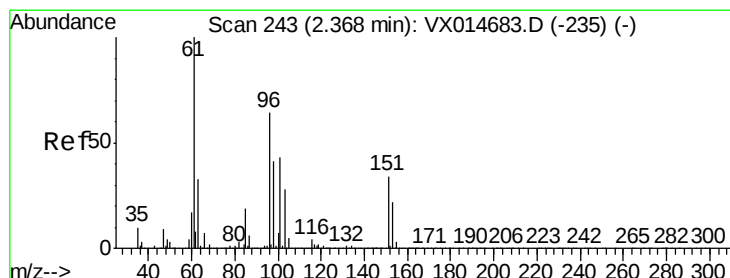
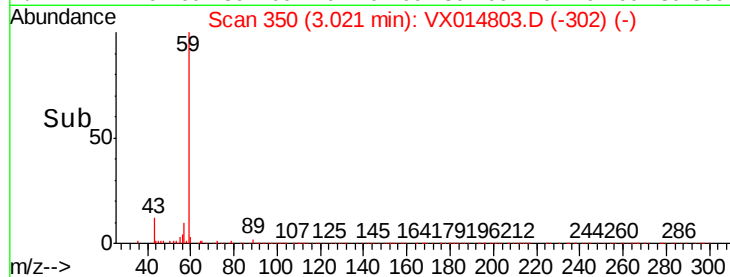
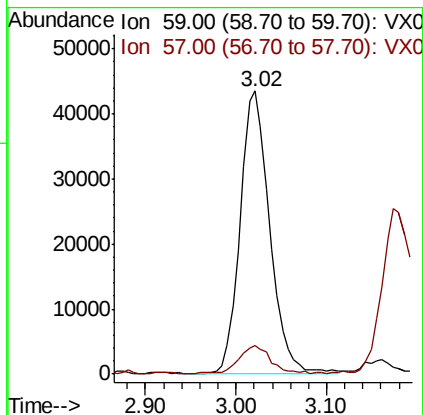
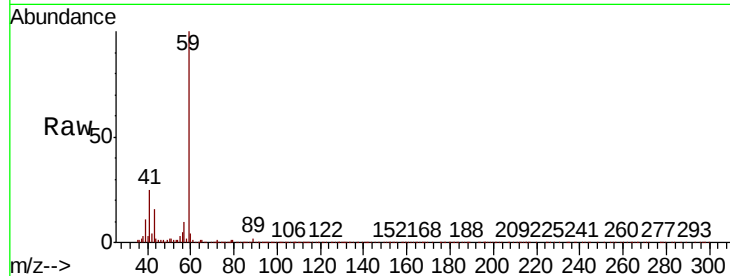


#11

Tert butyl alcohol
 Concen: 94.130 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

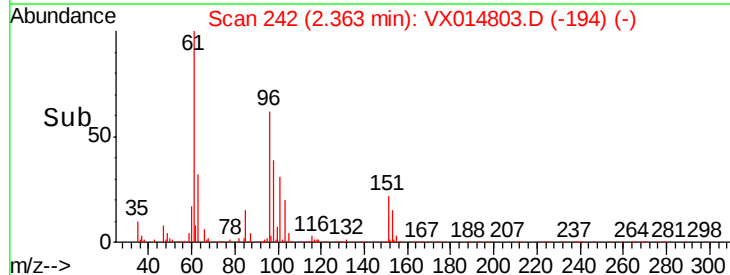
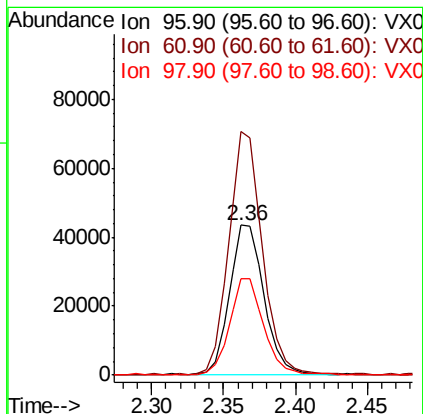
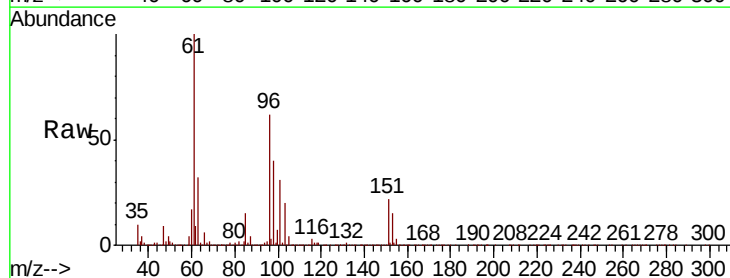
Tot Ion: 59 Resp: 98826
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

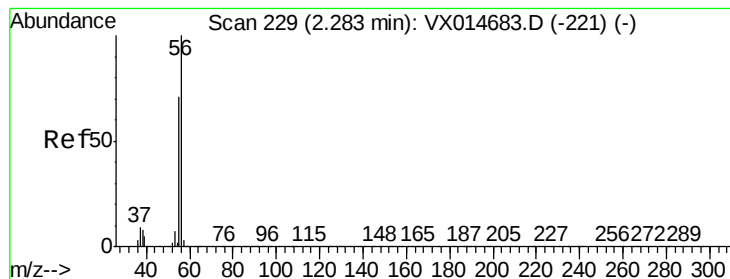


#12

1,1-Dichloroethene
 Concen: 18.274 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion: 96 Resp: 72748
 Ion Ratio Lower Upper
 96 100
 61 161.9 125.8 188.8
 98 64.0 51.5 77.3





#13

Acrolein

Concen: 69.893 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

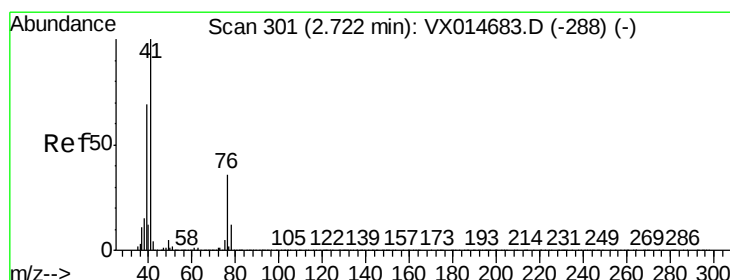
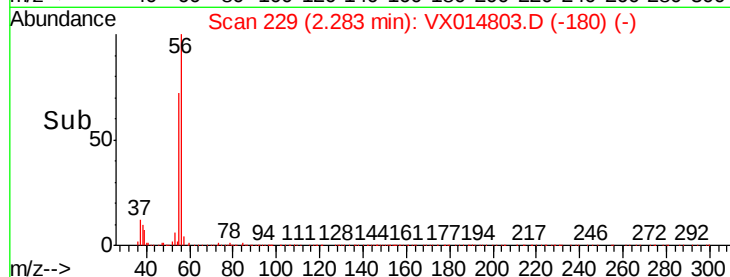
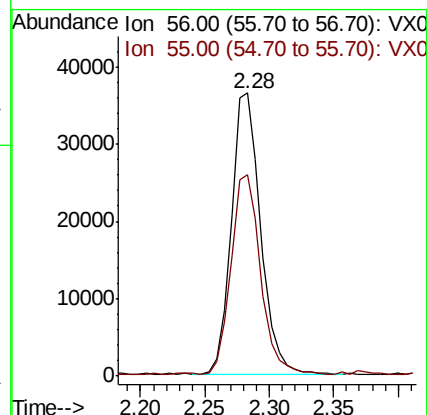
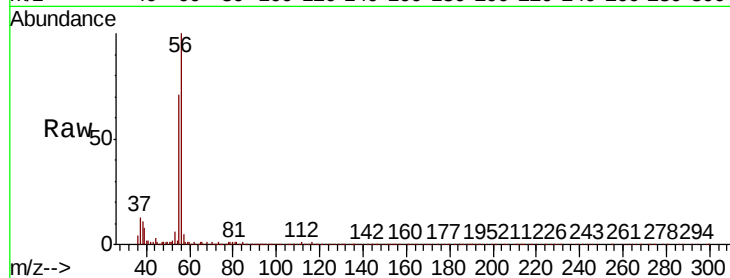
VX0204WBSD01

Tot Ion: 56 Resp: 57858

Ion Ratio Lower Upper

56 100

55 72.4 56.6 84.8



#14

Allyl chloride

Concen: 18.424 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

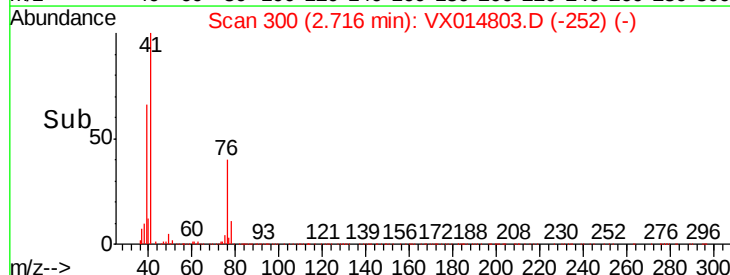
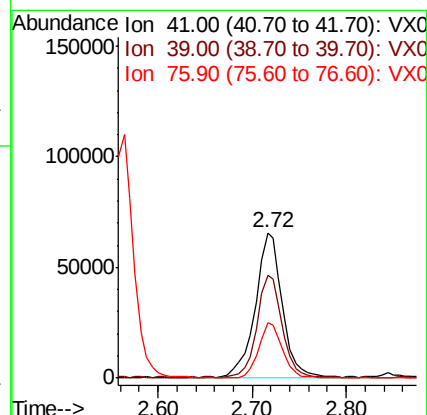
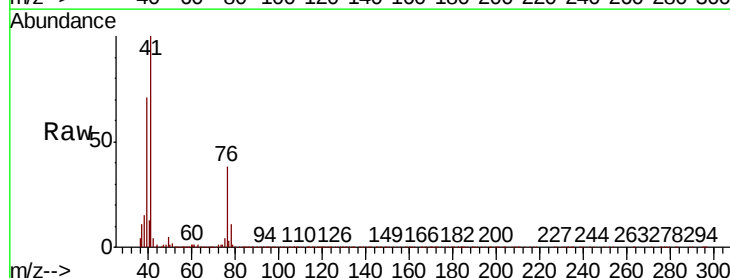
Tgt Ion: 41 Resp: 131832

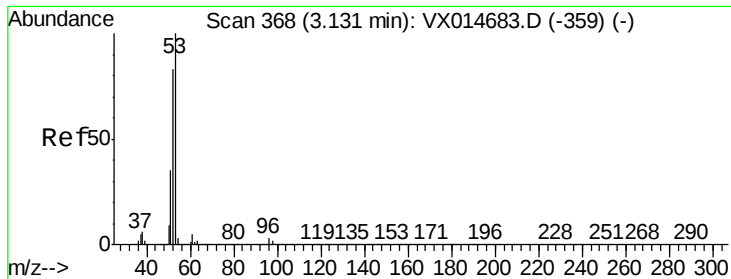
Ion Ratio Lower Upper

41 100

39 65.2 52.0 78.0

76 33.1 26.0 39.0





#15

Acrylonitrile

Concen: 96.412 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

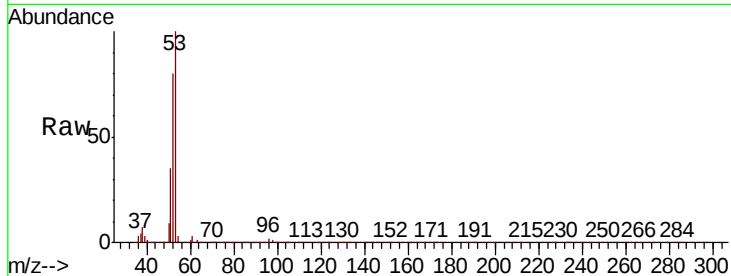
Tot Ion: 53 Resp: 234202

Ion Ratio Lower Upper

53 100

52 83.6 66.4 99.6

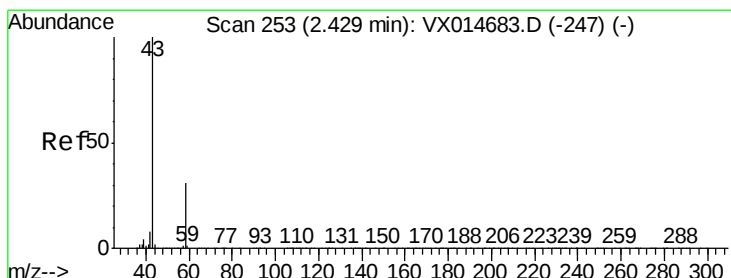
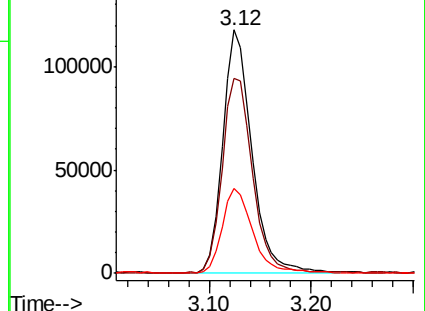
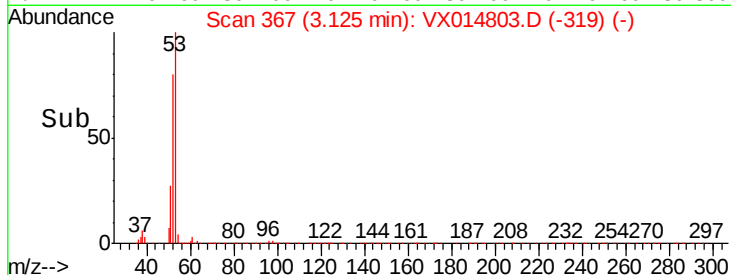
51 36.1 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 88.915 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014803.D

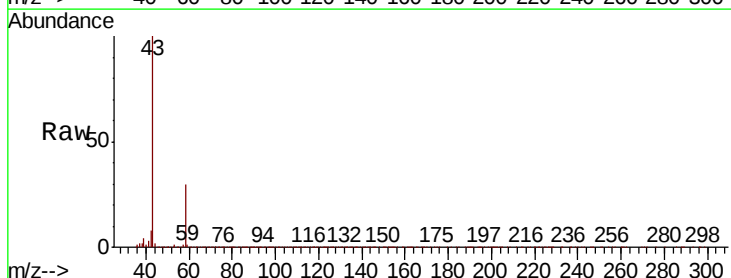
Acq: 04 Feb 2020 12:52

Tgt Ion: 43 Resp: 227636

Ion Ratio Lower Upper

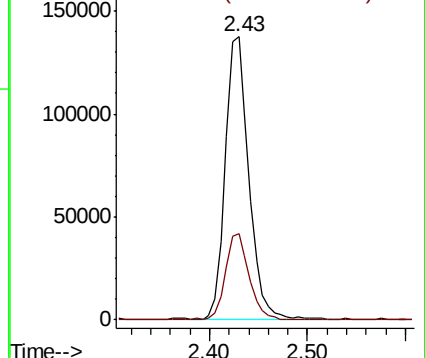
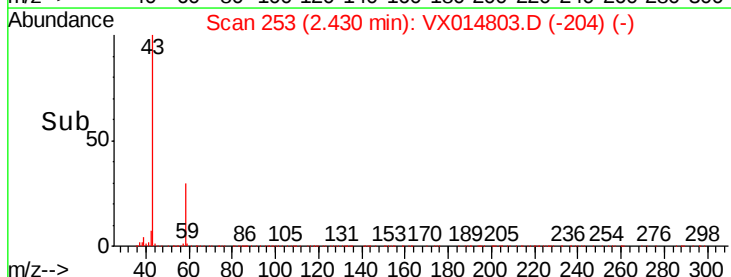
43 100

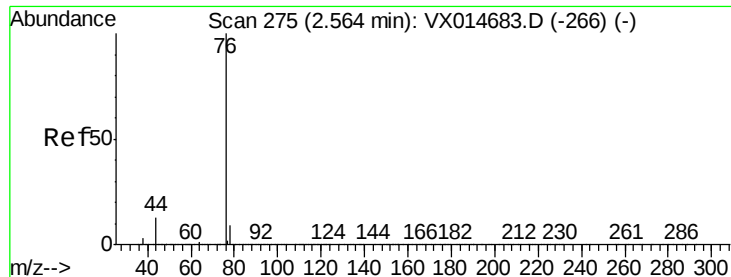
58 30.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.375 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

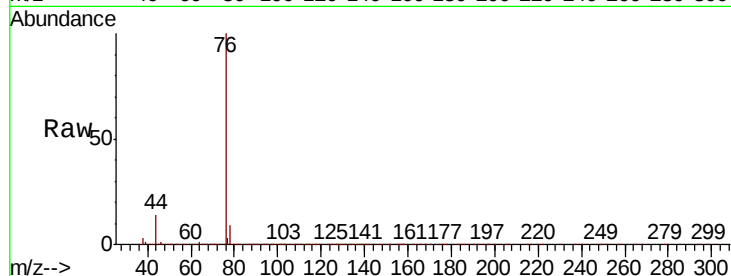
VX0204WBSD01

Tot Ion: 76 Resp: 178162

Ion Ratio Lower Upper

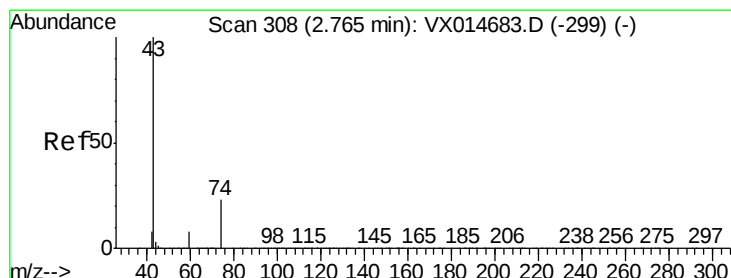
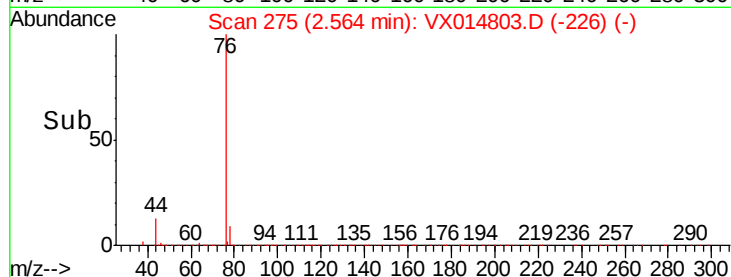
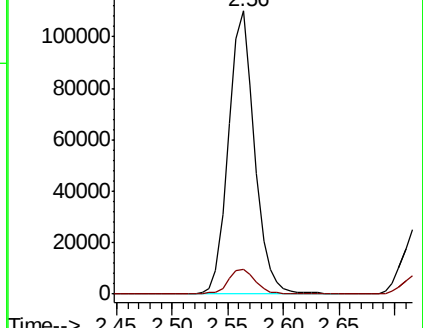
76 100

78 8.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.064 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014803.D

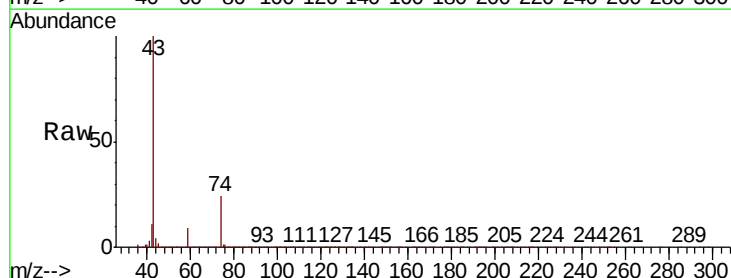
Acq: 04 Feb 2020 12:52

Tgt Ion: 43 Resp: 146784

Ion Ratio Lower Upper

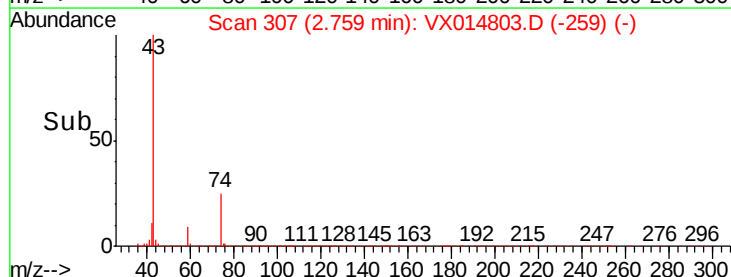
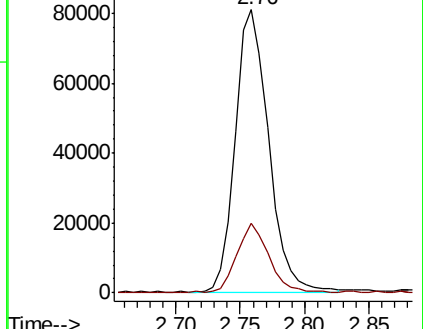
43 100

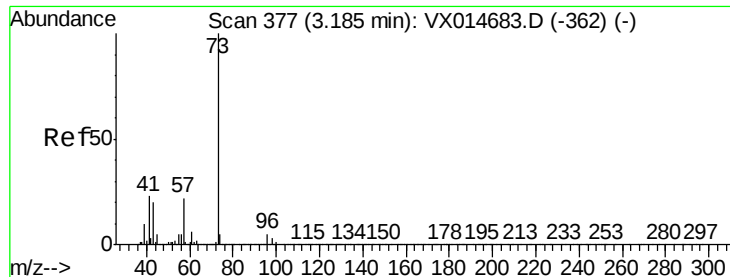
74 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



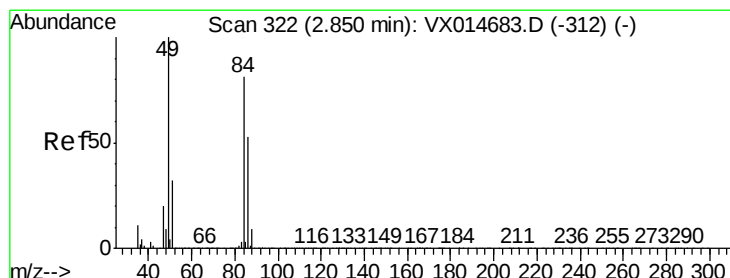
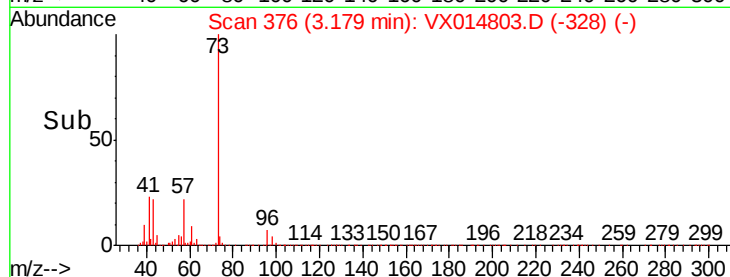
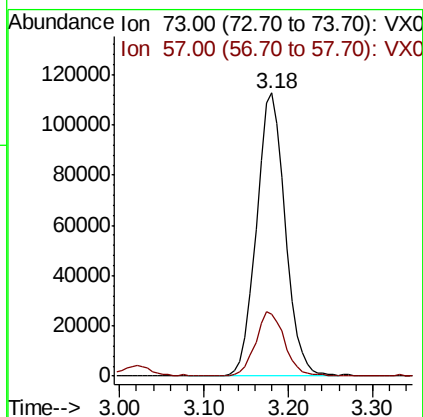
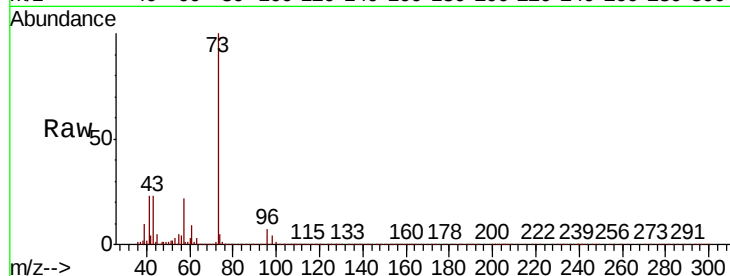


#19

Methyl tert-butyl Ether
 Concen: 20.156 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

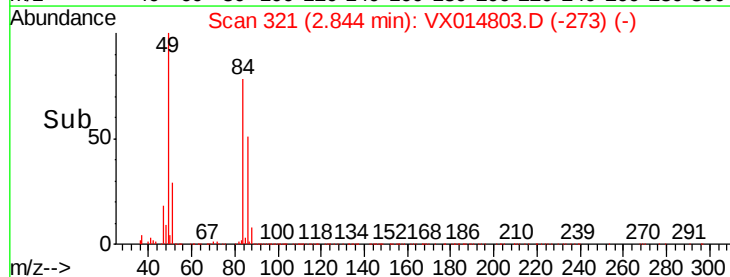
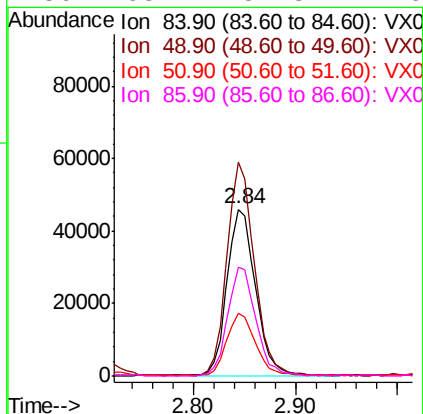
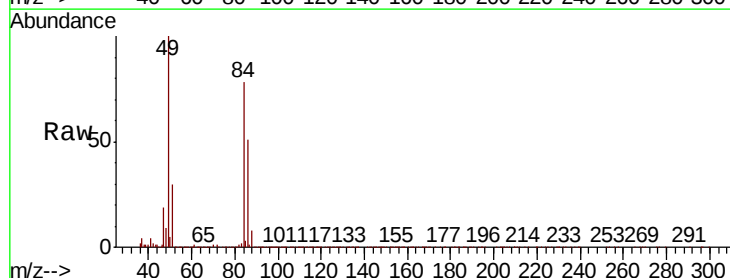
Tot Ion: 73 Resp: 262813
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.0 27.0

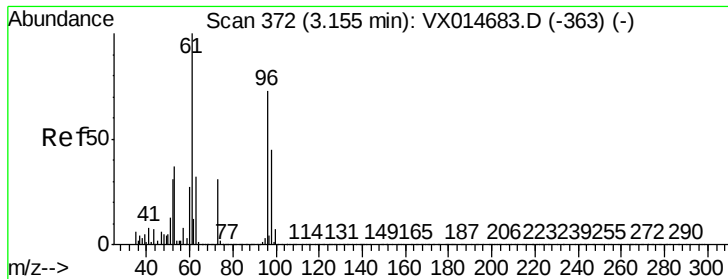


#20

Methylene Chloride
 Concen: 18.664 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion: 84 Resp: 88512
 Ion Ratio Lower Upper
 84 100
 49 127.8 98.2 147.4
 51 37.6 31.3 46.9
 86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 17.766 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

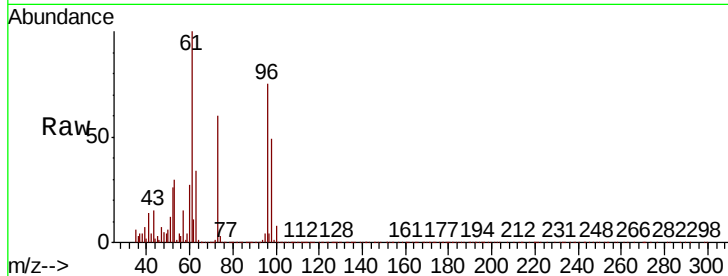
Tot Ion: 96 Resp: 77869

Ion Ratio Lower Upper

96 100

61 133.0 109.8 164.6

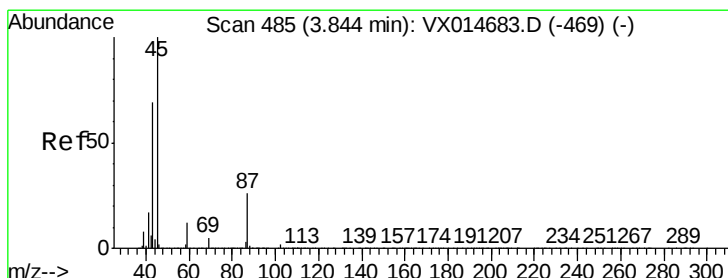
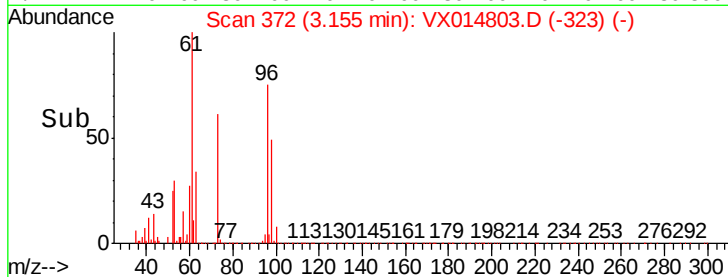
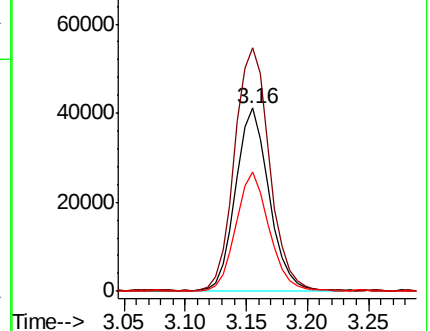
98 65.2 49.6 74.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.681 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Tgt Ion: 45 Resp: 280172

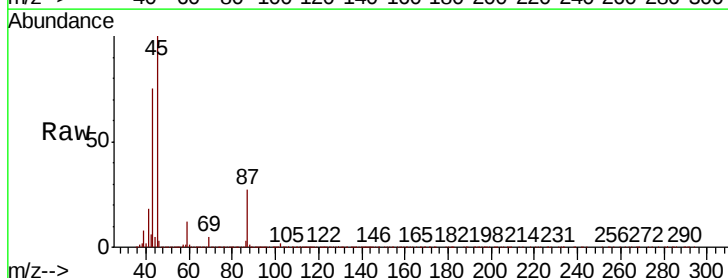
Ion Ratio Lower Upper

45 100

43 74.5 55.1 82.7

87 26.8 20.7 31.1

59 11.8 9.2 13.8

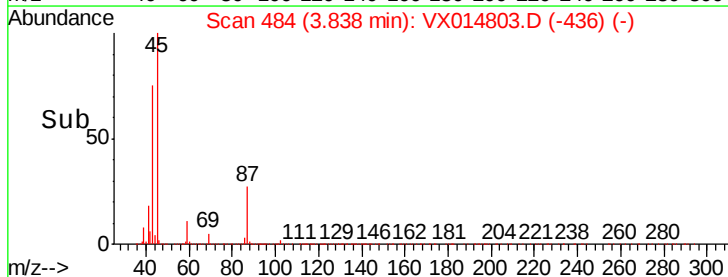
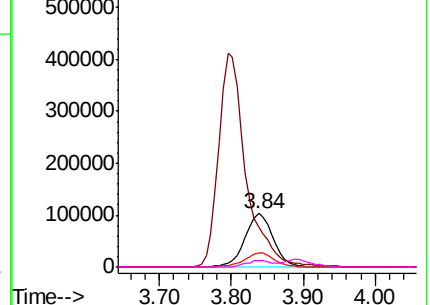


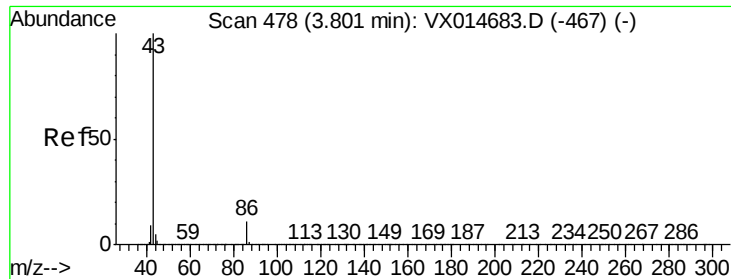
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

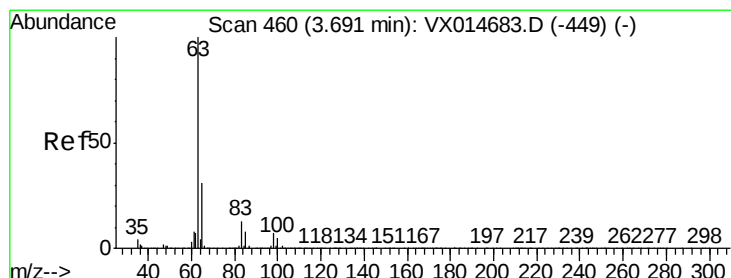
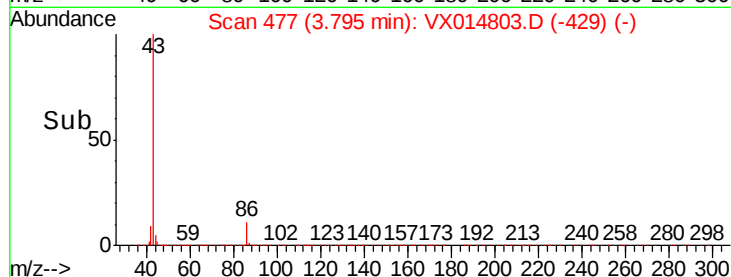
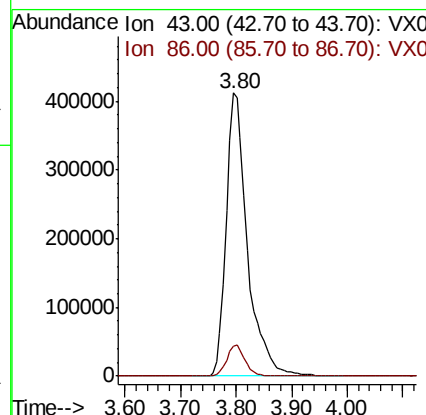
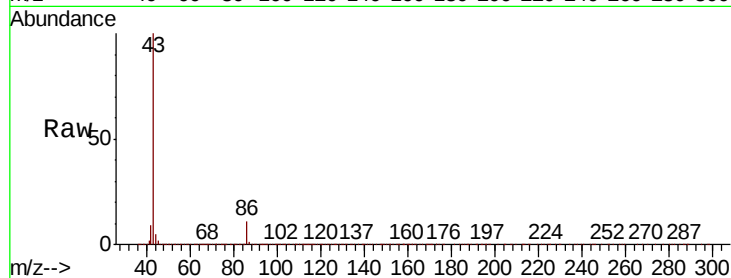




#23
 Vinyl Acetate
 Concen: 100.098 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

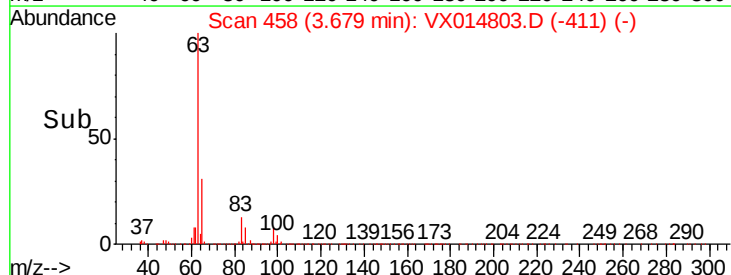
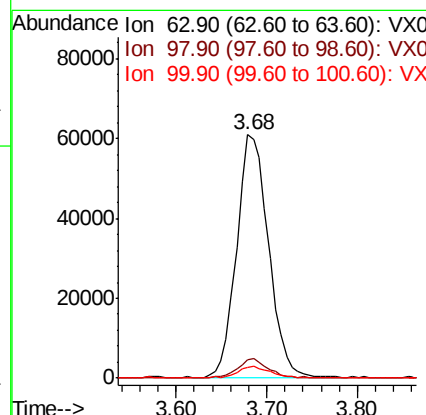
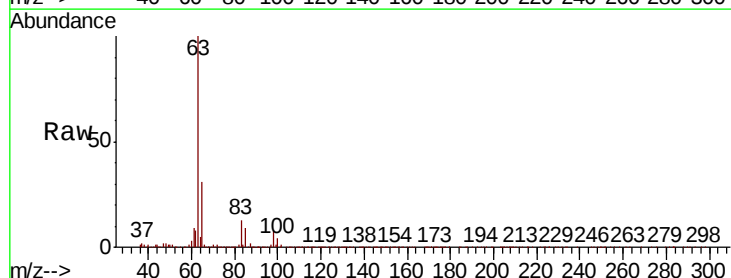
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0204WBSD01

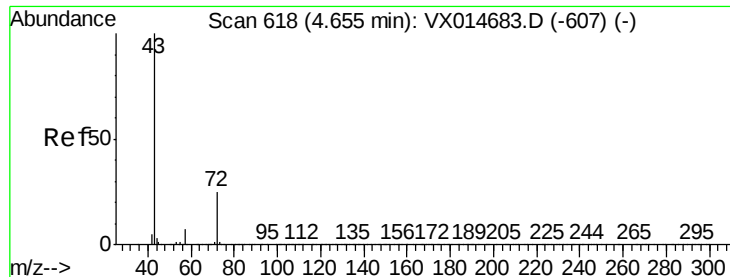
Tot Ion: 43 Resp: 1086254
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.156 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion: 63 Resp: 148099
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.8
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 91.192 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

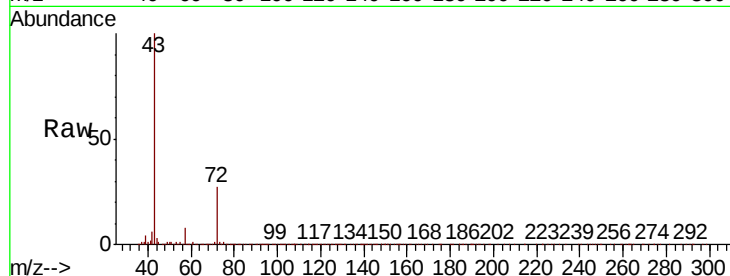
VX0204WBSD01

Tot Ion: 43 Resp: 334863

Ion Ratio Lower Upper

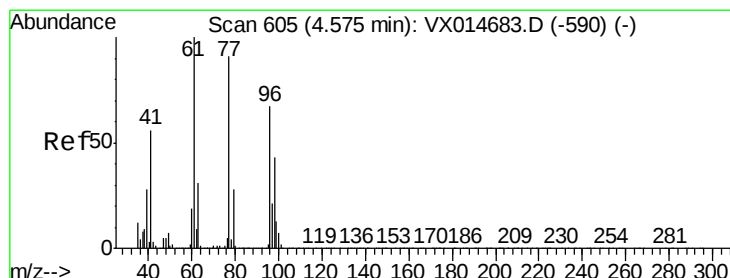
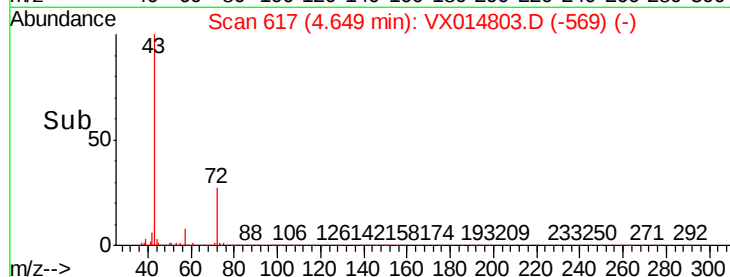
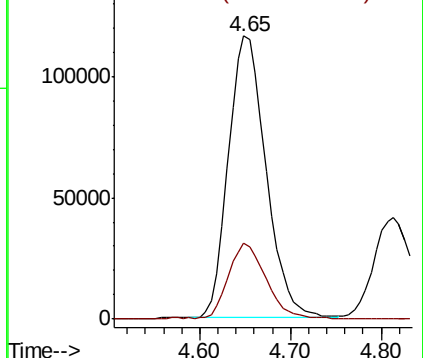
43 100

72 26.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.961 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014803.D

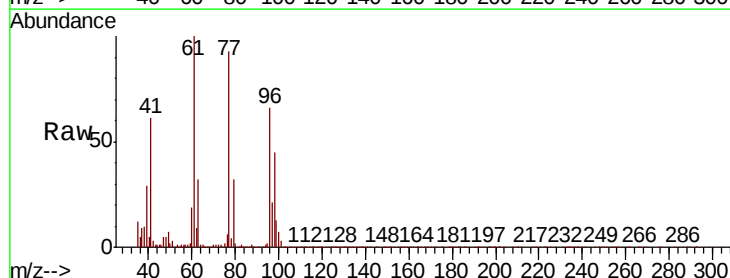
Acq: 04 Feb 2020 12:52

Tgt Ion: 77 Resp: 117336

Ion Ratio Lower Upper

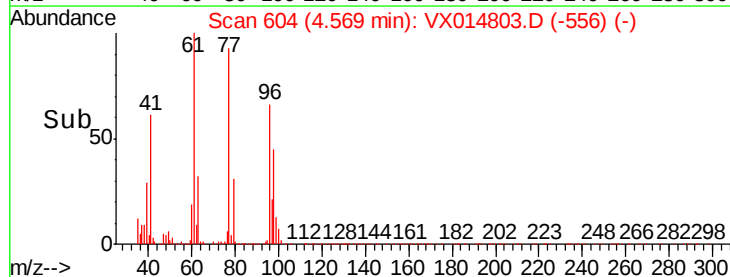
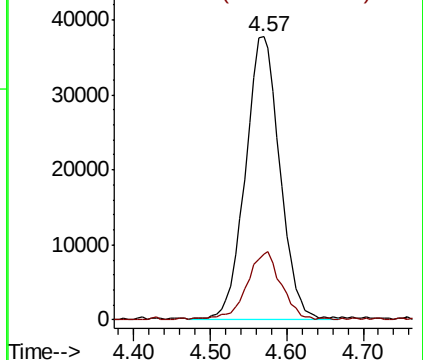
77 100

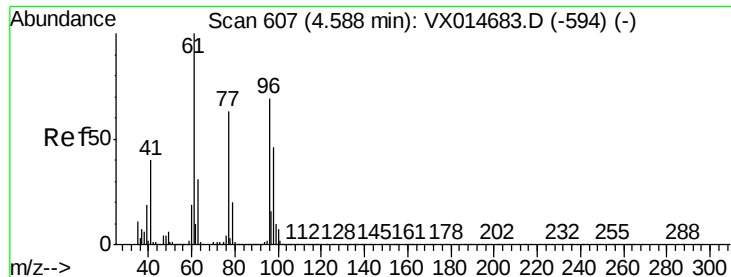
97 23.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



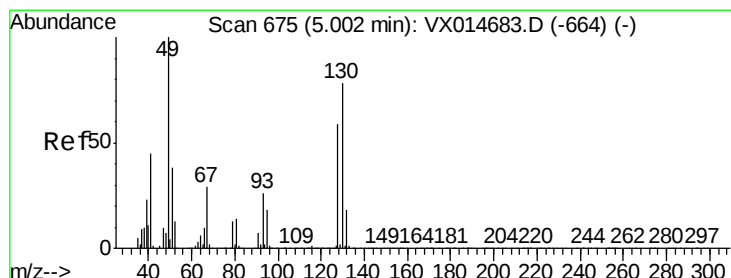
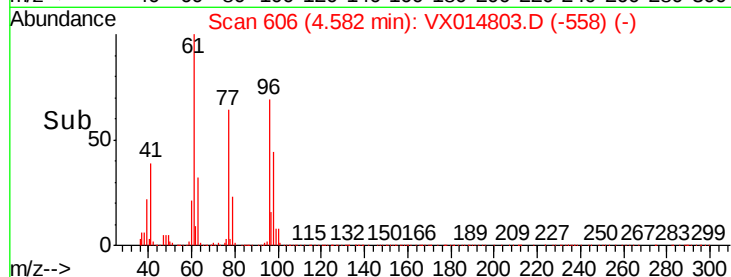
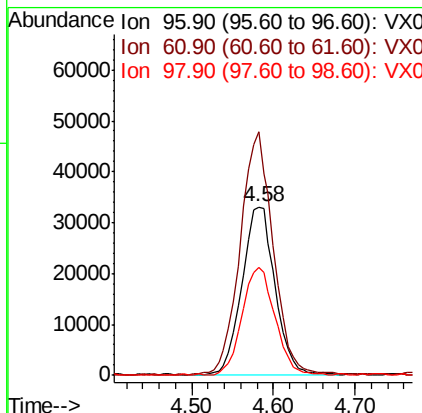
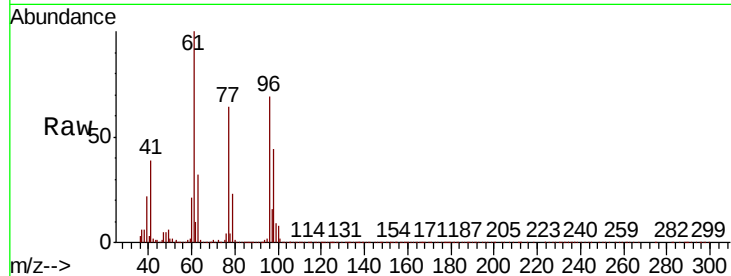


#27

cis-1,2-Dichloroethene
 Concen: 19.126 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

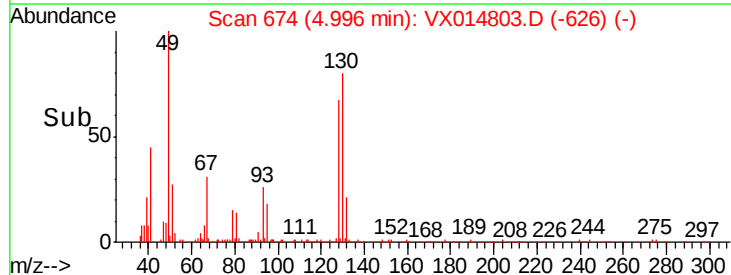
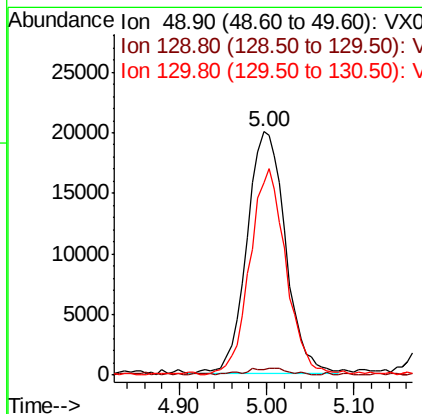
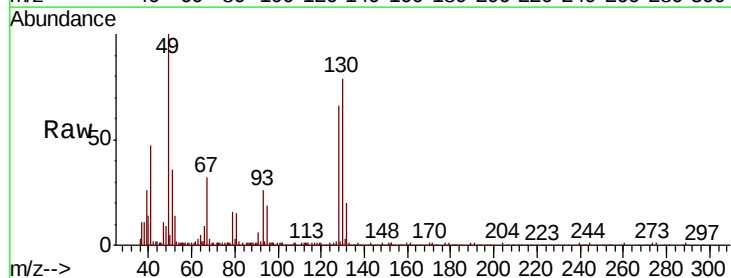
Tot Ion: 96 Resp: 93823
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 291.0
 98 62.2 0.0 129.8

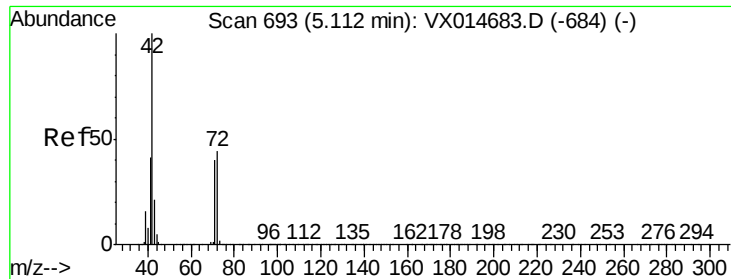


#28

Bromochloromethane
 Concen: 18.073 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion: 49 Resp: 61400
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 4.8
 130 80.5 62.4 93.6





#29

Tetrahydrofuran

Concen: 91.969 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

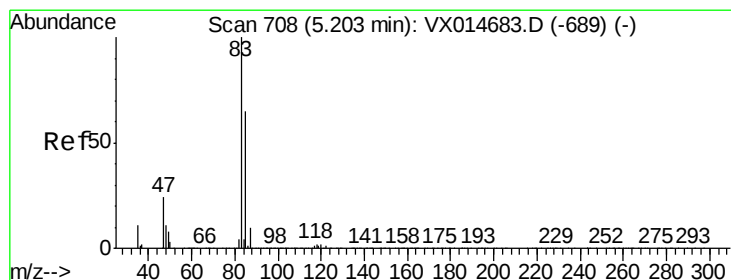
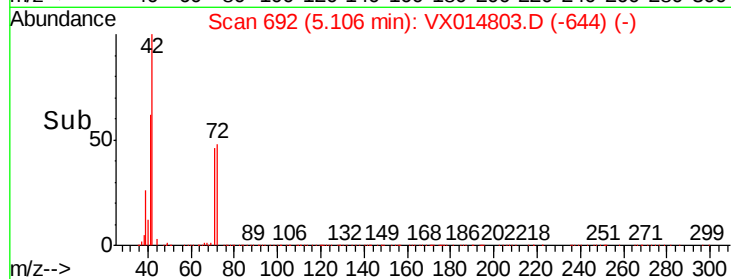
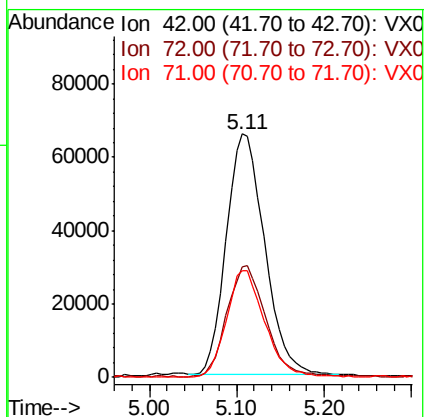
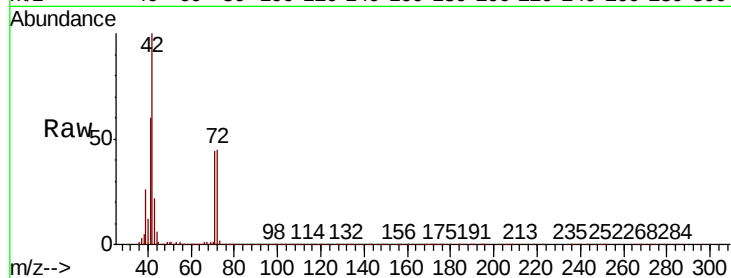
Tot Ion: 42 Resp: 200440

Ion Ratio Lower Upper

42 100

72 46.6 35.3 52.9

71 43.8 33.1 49.7



#30

Chloroform

Concen: 19.348 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014803.D

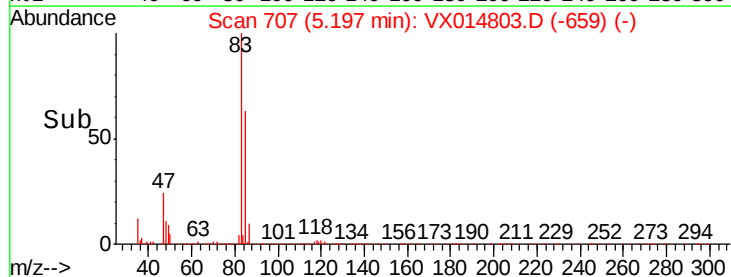
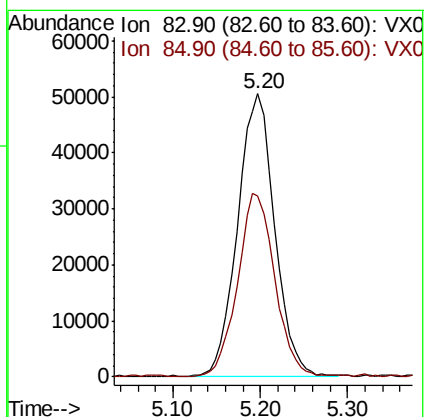
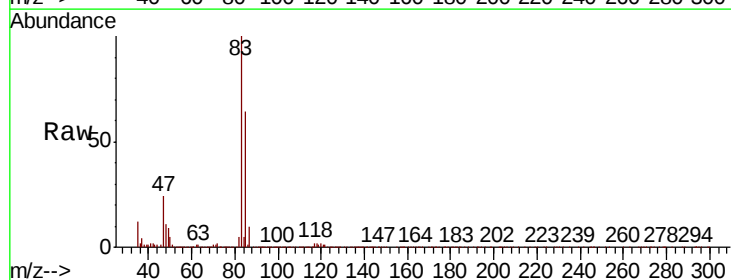
Acq: 04 Feb 2020 12:52

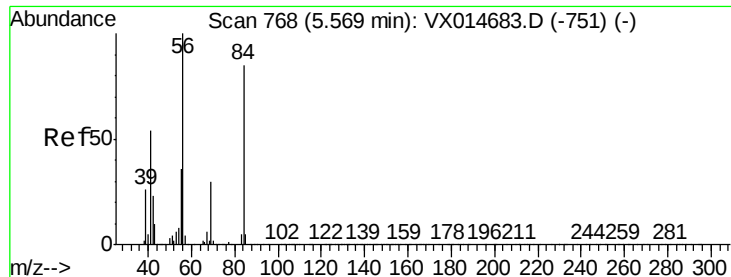
Tgt Ion: 83 Resp: 148174

Ion Ratio Lower Upper

83 100

85 63.8 51.7 77.5

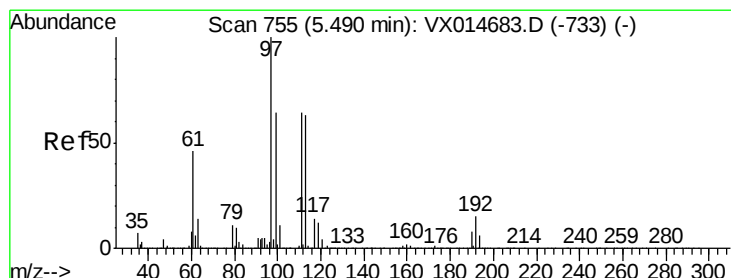
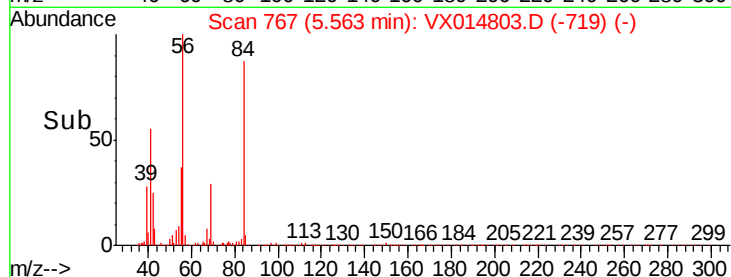
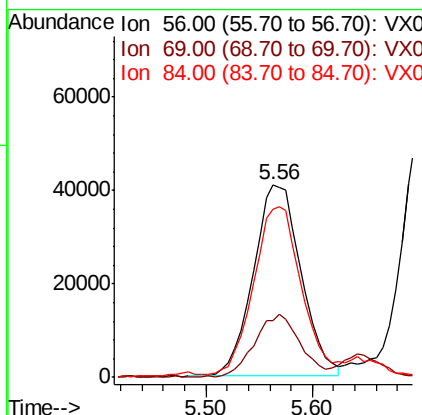
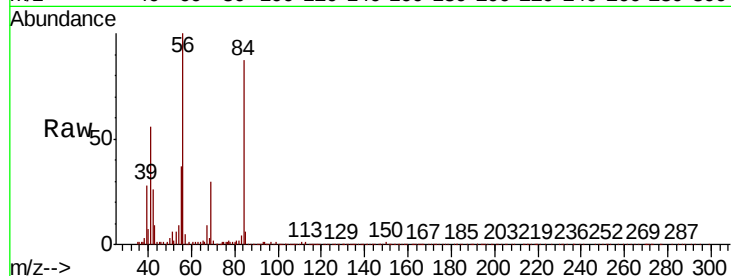




#31
Cyclohexane
Concen: 17.685 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

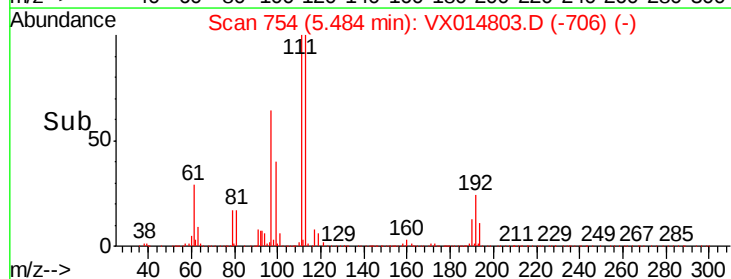
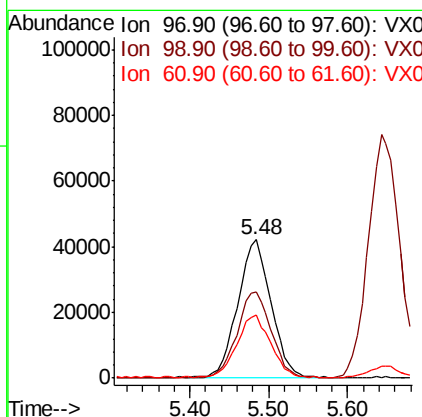
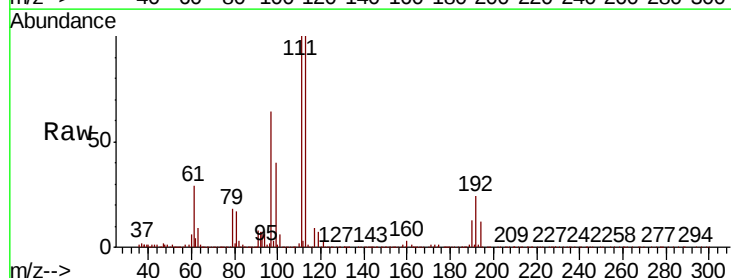
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

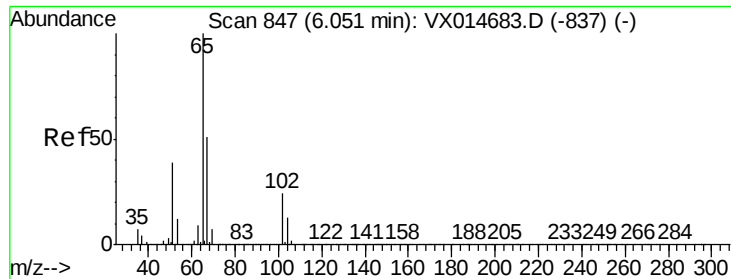
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	85.0	68.4	102.6



#32
1,1,1-Trichloroethane
Concen: 19.012 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	46.1	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 49.526 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

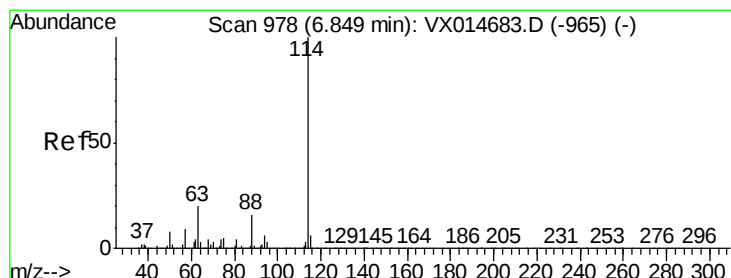
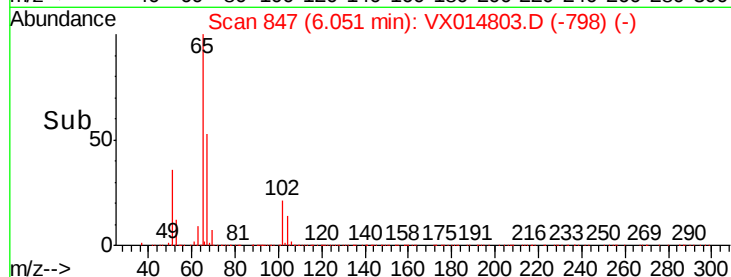
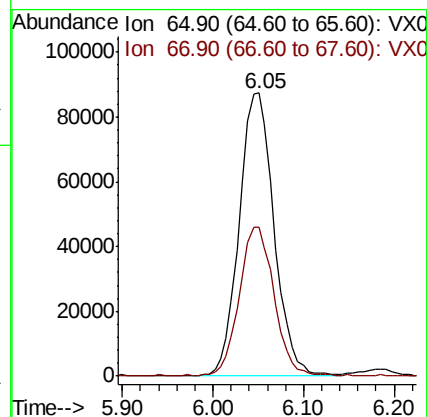
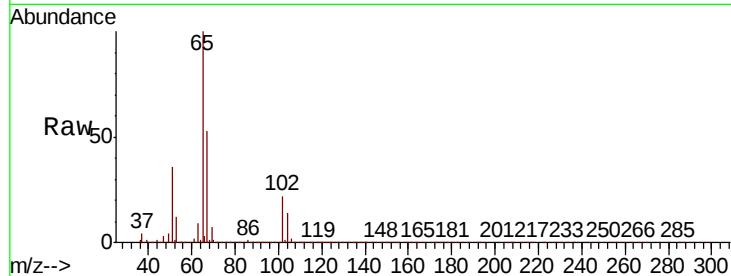
VX0204WBSD01

Tot Ion: 65 Resp: 231600

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

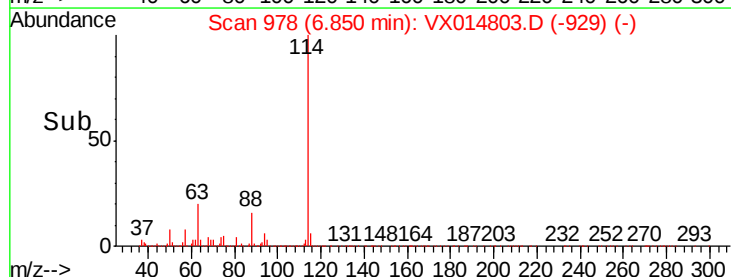
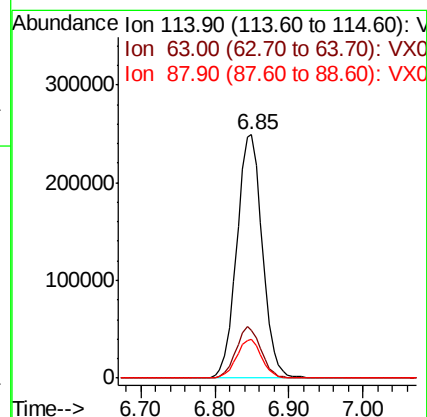
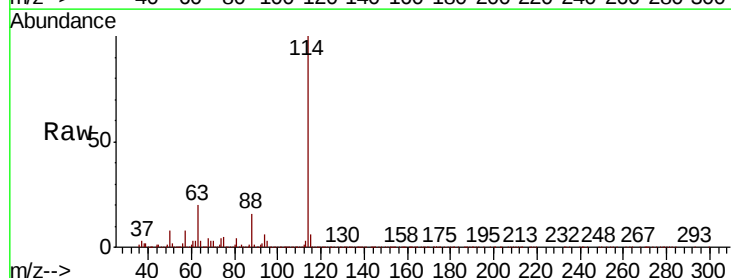
Tgt Ion: 114 Resp: 597496

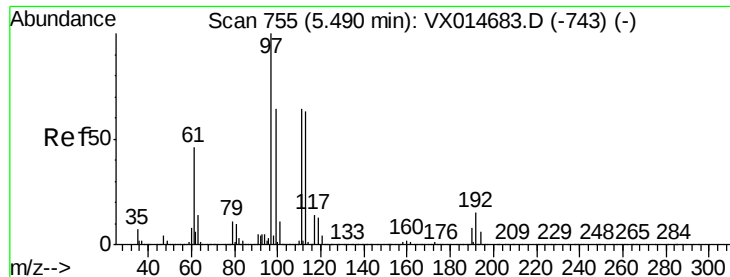
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.785 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

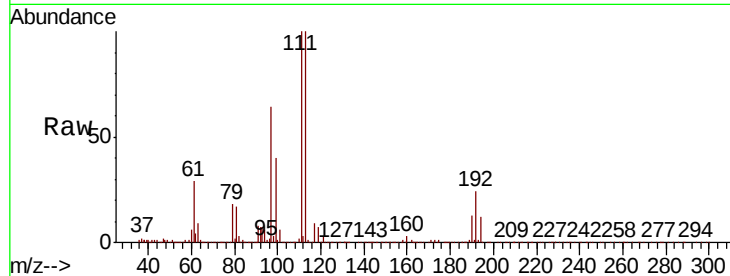
Tot Ion:113 Resp: 187698

Ion Ratio Lower Upper

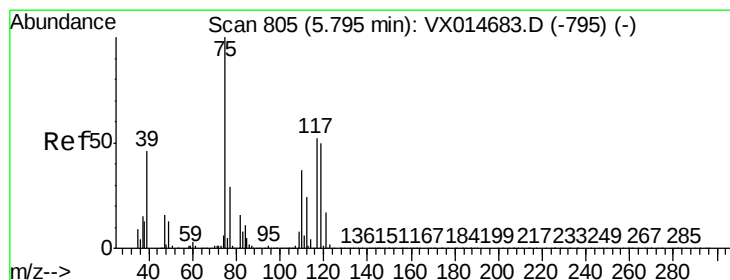
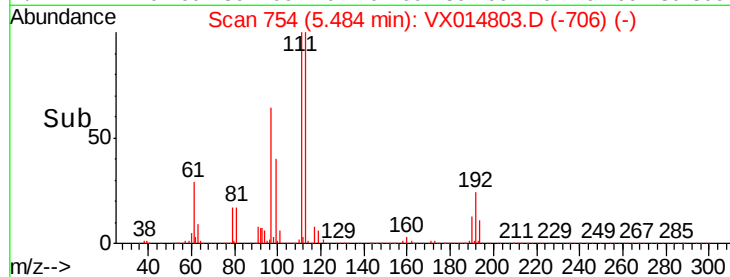
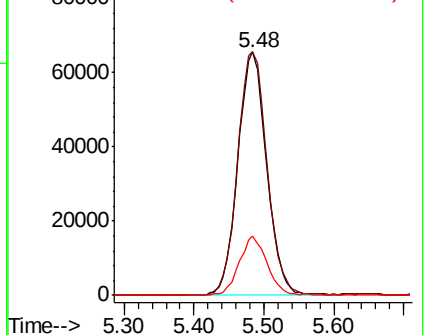
113 100

111 102.2 80.7 121.1

192 23.2 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.000 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

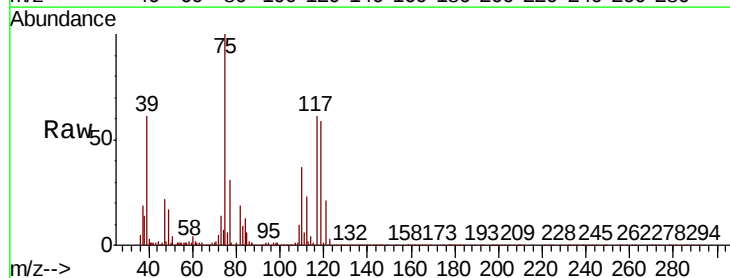
Tgt Ion: 75 Resp: 105486

Ion Ratio Lower Upper

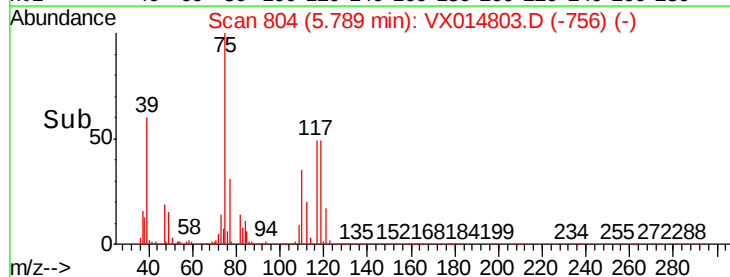
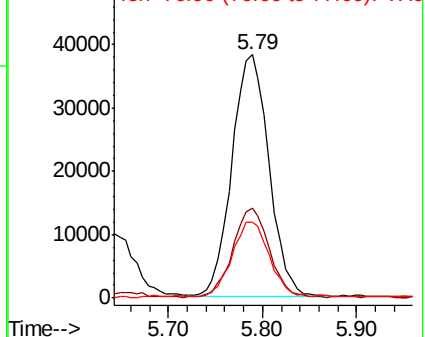
75 100

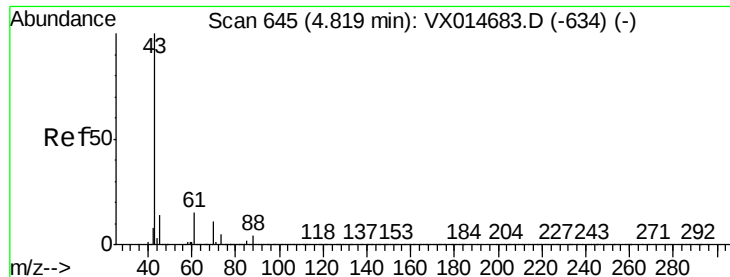
110 37.2 17.9 53.7

77 31.1 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

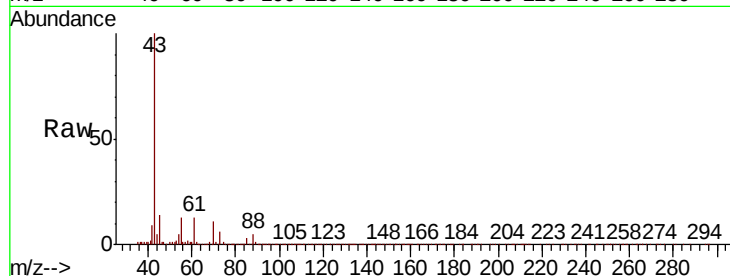




#37
Ethyl Acetate
Concen: 19.709 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Instrument :
MSVOA_X
ClientSampleID :
VX0204WBSD01

Tot Ion	43	Resp	125326
Ion Ratio	Lower	Upper	
43	100		
61	13.3	11.0	16.4
70	10.6	8.5	12.7

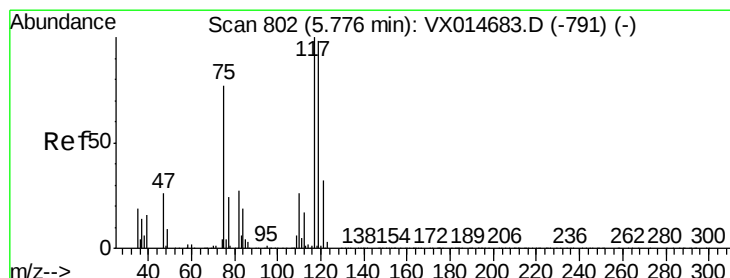
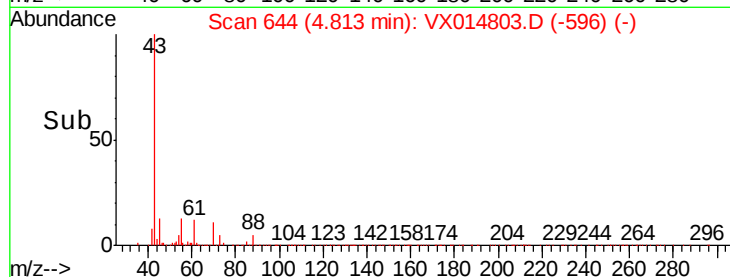
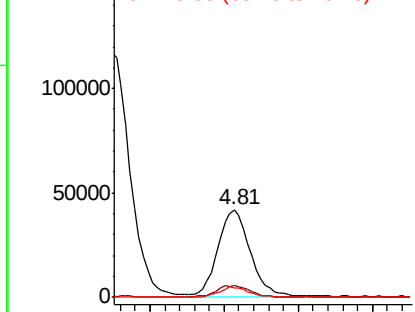


Abundance

Ion 43.00 (42.70 to 43.70): VX0

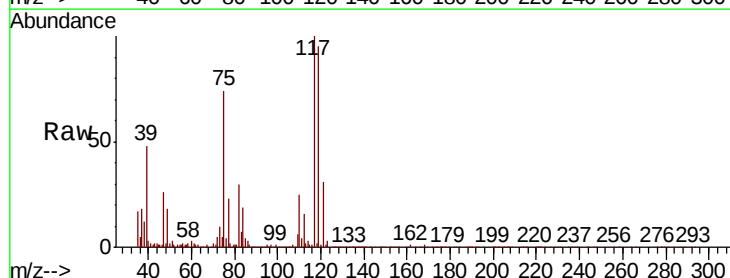
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.408 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion	117	Resp	102905
Ion Ratio	Lower	Upper	
117	100		
119	94.7	77.9	116.9
121	31.1	25.4	38.2

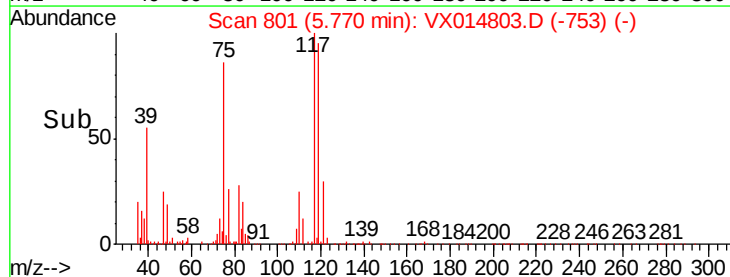
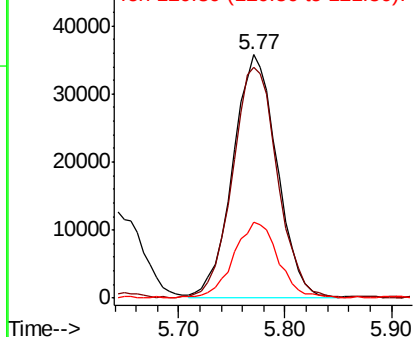


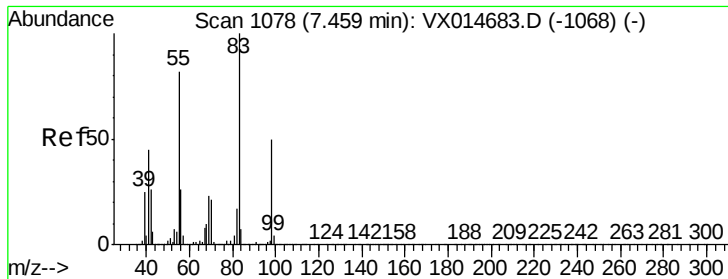
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

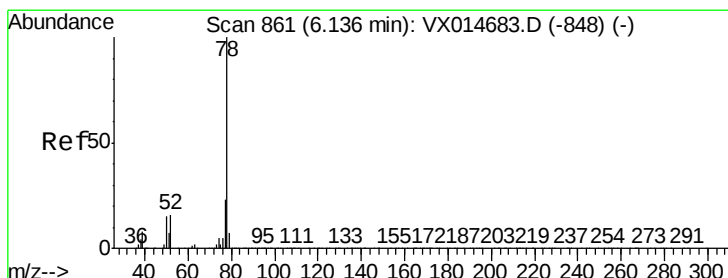
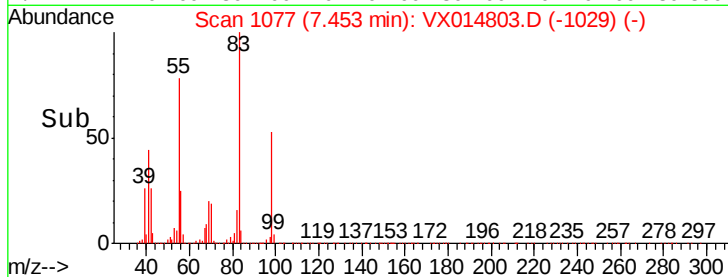
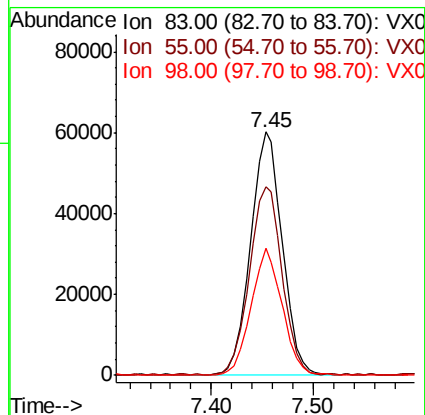
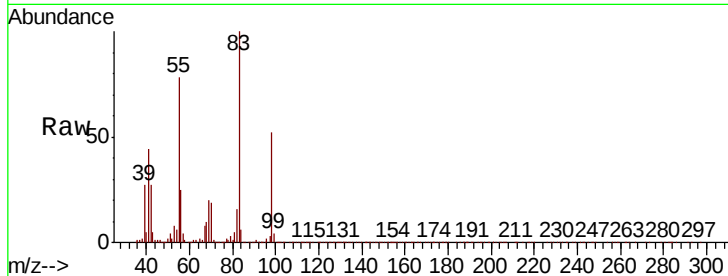




#39
Methvlcvclohexane
Concen: 18.722 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

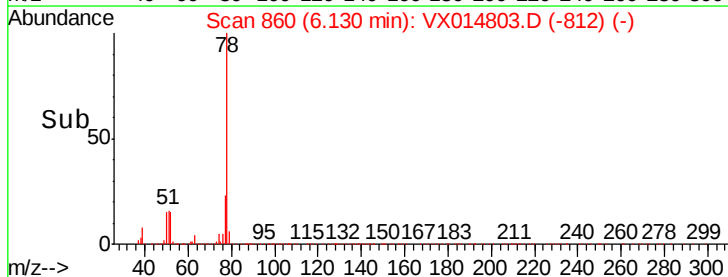
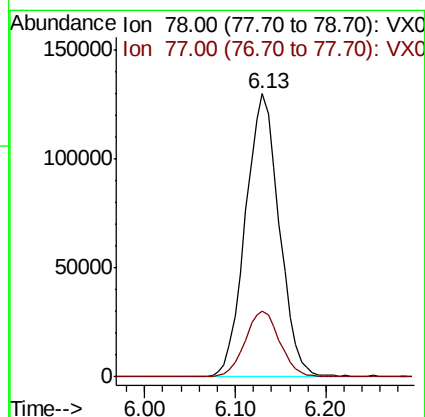
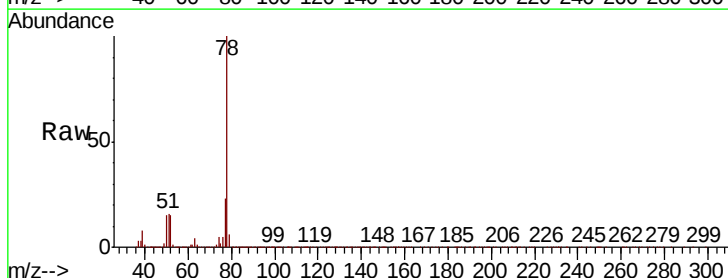
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

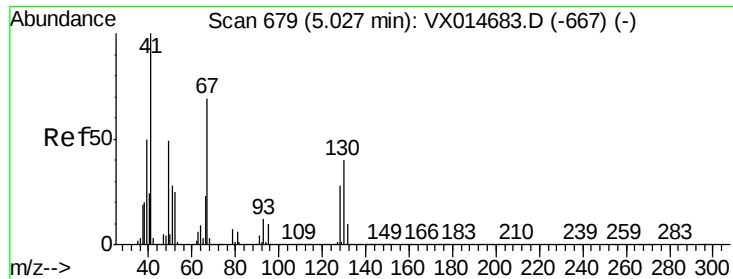
Tot Ion	83	Resp	130216
Ion Ratio	Lower	Upper	
83	100		
55	77.5	65.6	98.4
98	52.1	40.2	60.4



#40
Benzene
Concen: 19.467 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion	78	Resp	333936
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.7	28.1





#41

Methacrylonitrile

Concen: 18.857 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 41 Resp: 68986

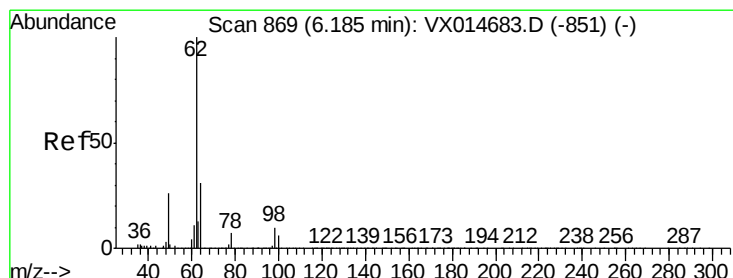
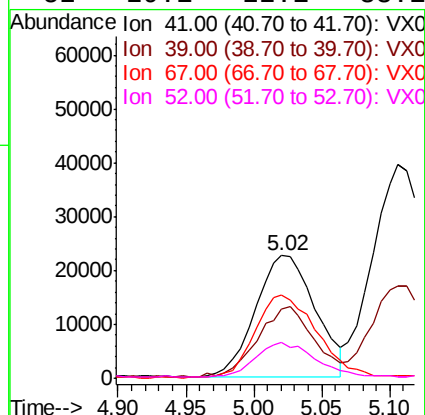
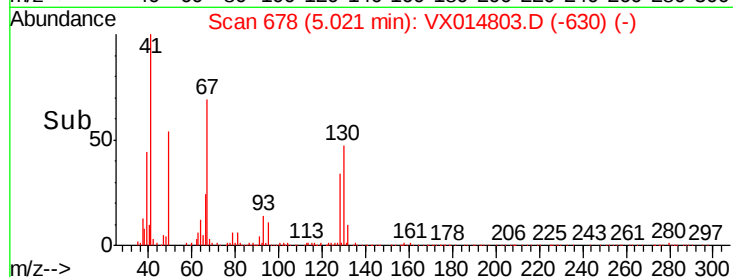
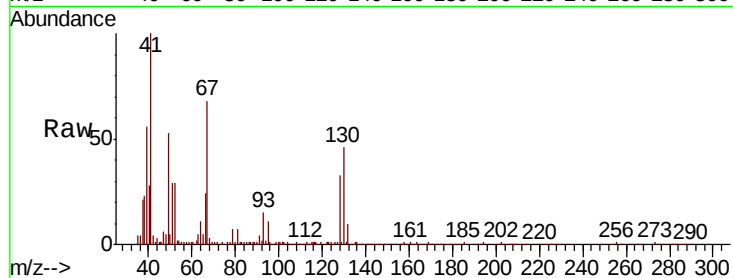
Ion Ratio Lower Upper

41 100

39 54.9 42.2 63.2

67 71.8 55.4 83.0

52 29.1 22.1 33.1



#42

1,2-Dichloroethane

Concen: 21.067 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX014803.D

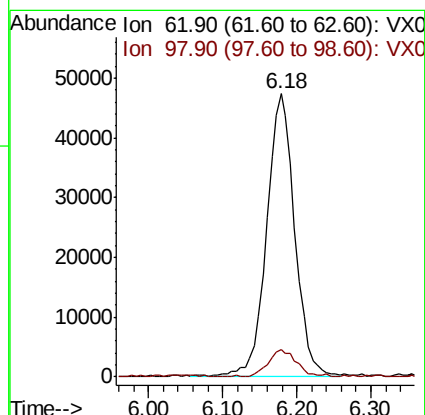
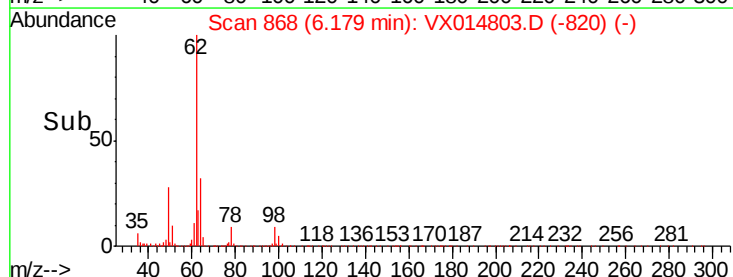
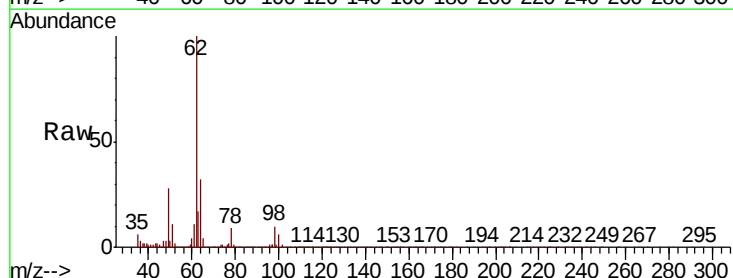
Acq: 04 Feb 2020 12:52

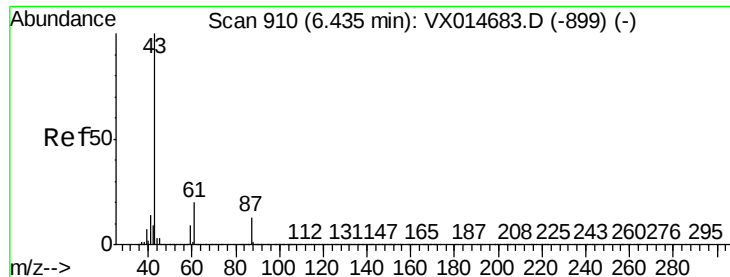
Tgt Ion: 62 Resp: 124797

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 19.715 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

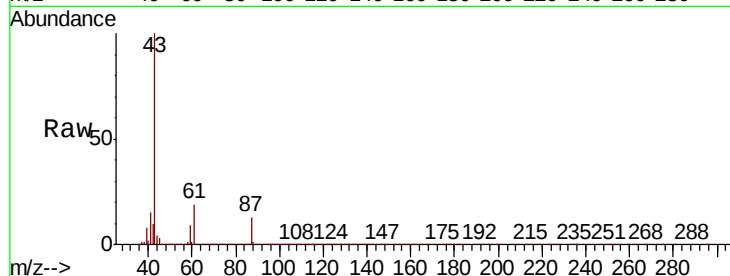
Tot Ion: 43 Resp: 205285

Ion Ratio Lower Upper

43 100

61 19.6 16.2 24.4

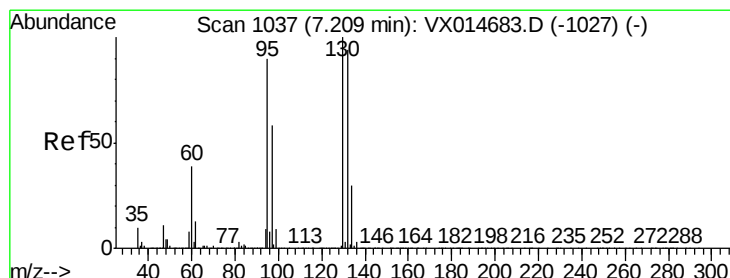
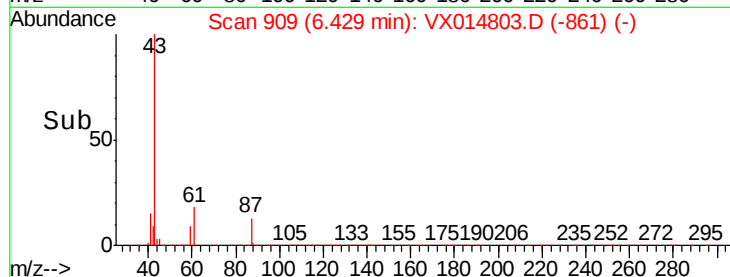
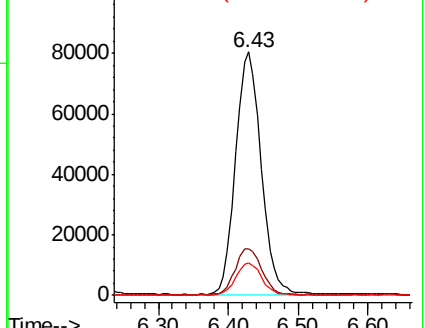
87 13.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.247 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014803.D

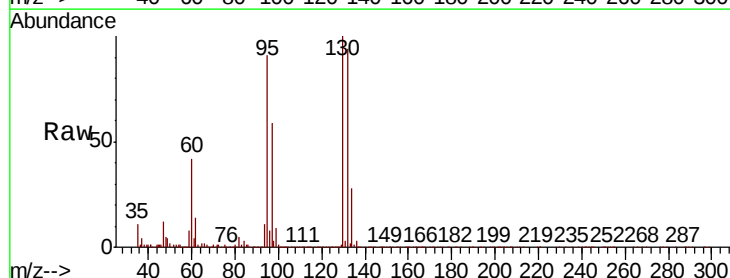
Acq: 04 Feb 2020 12:52

Tgt Ion:130 Resp: 93260

Ion Ratio Lower Upper

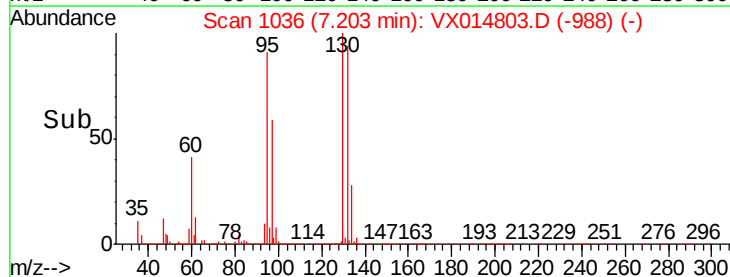
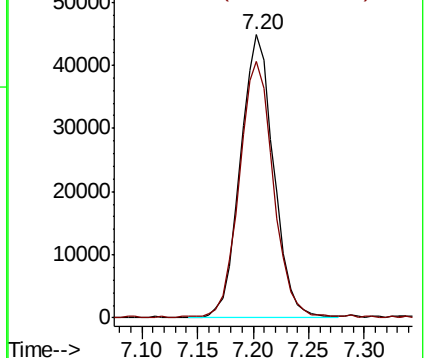
130 100

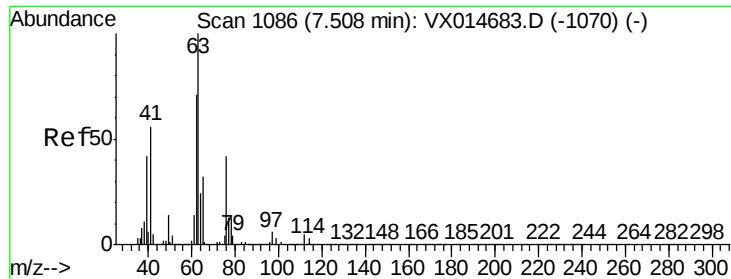
95 90.0 0.0 179.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

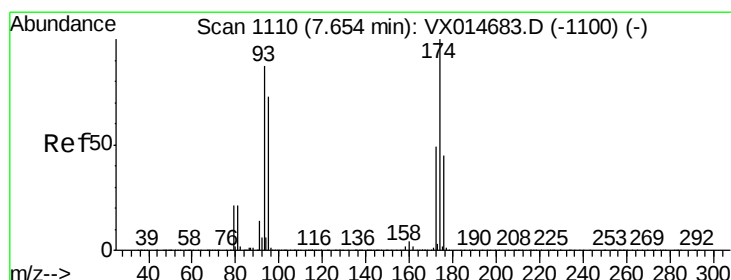
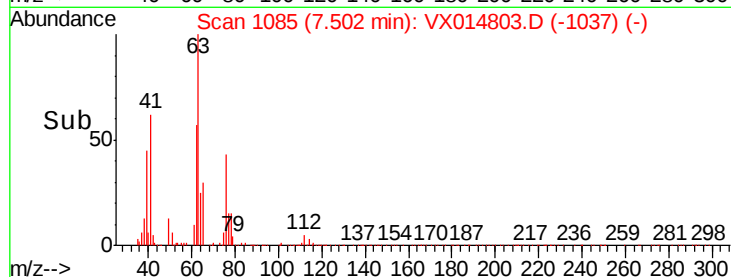
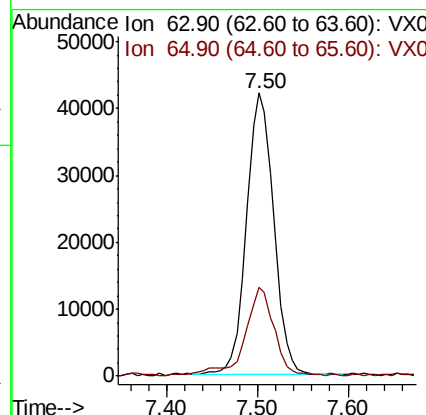
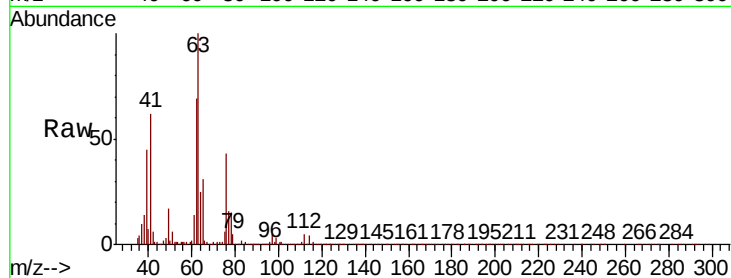




#45
 1,2-Dichloropropane
 Concen: 19.873 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

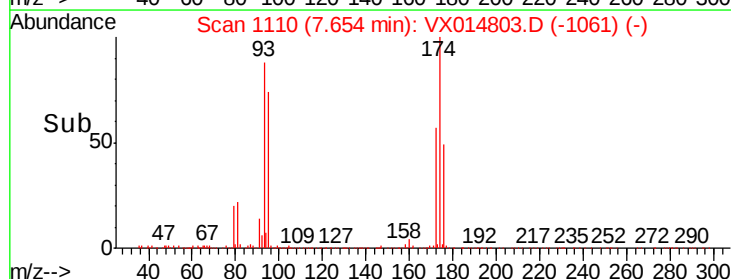
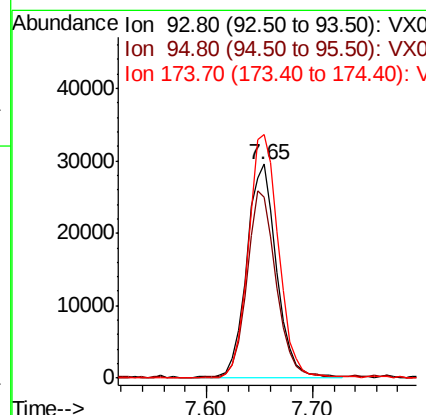
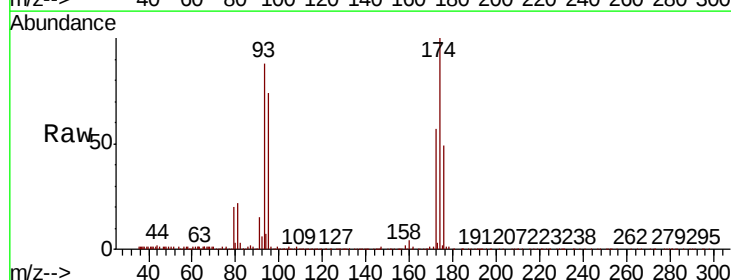
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

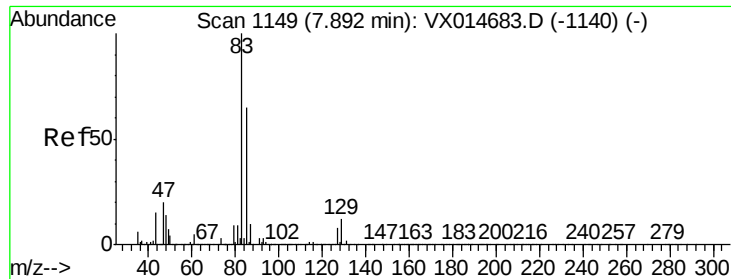
Tot Ion: 63 Resp: 87825
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 20.447 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion: 93 Resp: 58525
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.4
 174 113.4 90.2 135.2





#47

Bromodichloromethane

Concen: 19.943 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

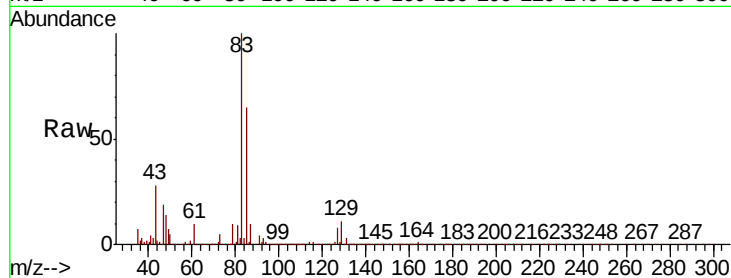
Tot Ion: 83 Resp: 111955

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2

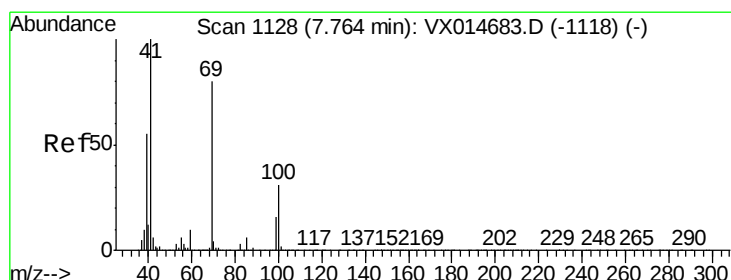
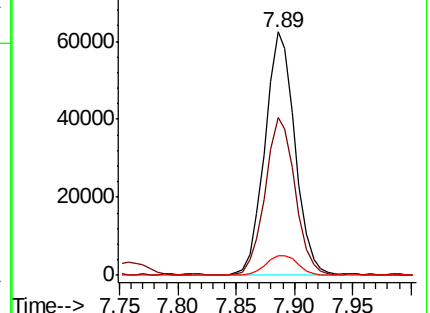
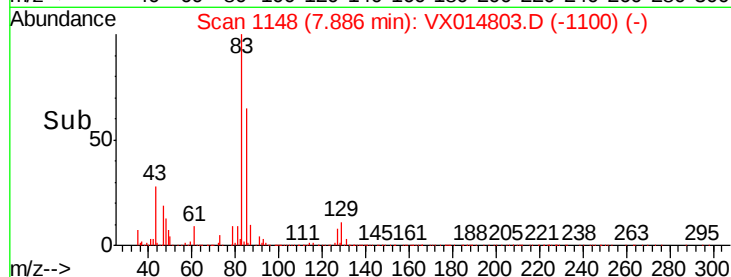
127 8.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.115 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

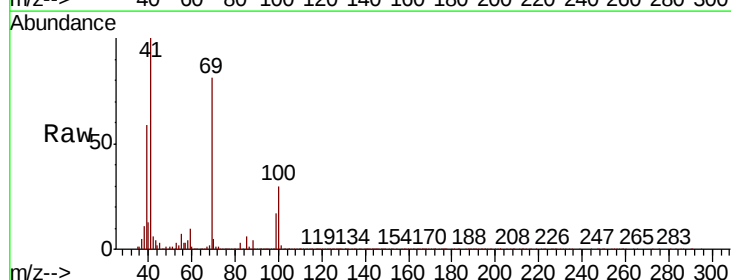
Tgt Ion: 41 Resp: 100078

Ion Ratio Lower Upper

41 100

69 79.4 63.5 95.3

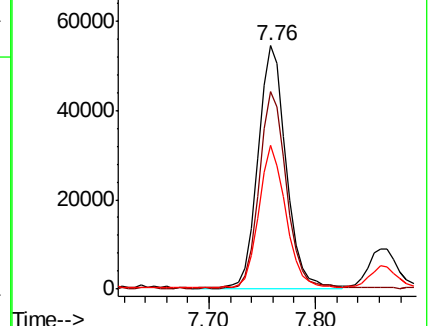
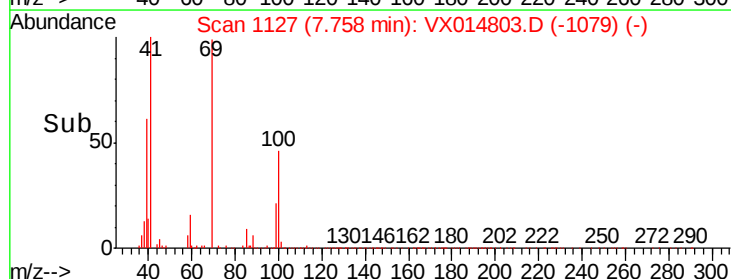
39 56.8 43.7 65.5

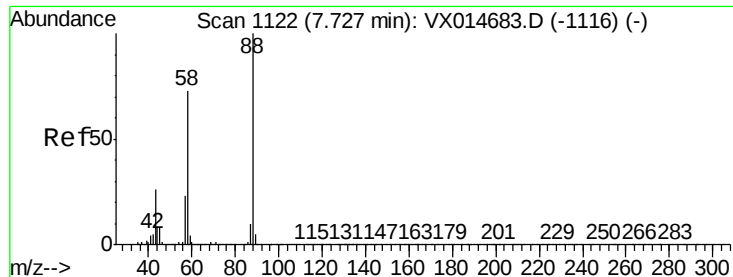


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 394.462 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

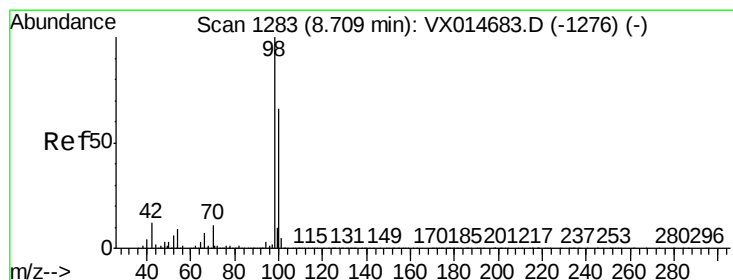
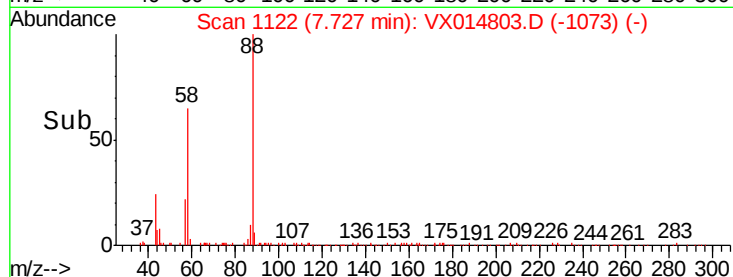
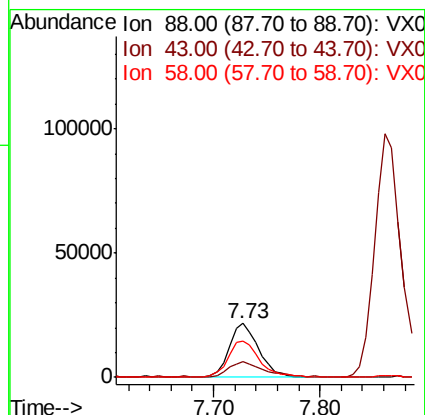
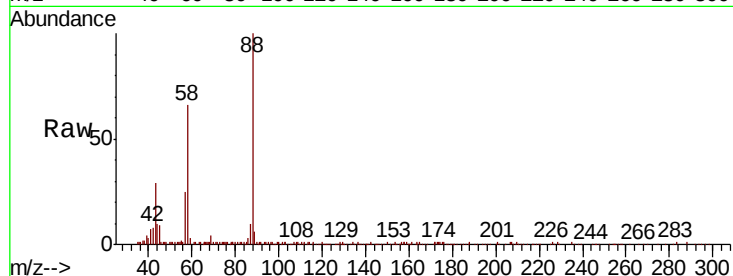
Tot Ion: 88 Resp: 41601

Ion Ratio Lower Upper

88 100

43 36.8 26.2 39.2

58 70.5 56.6 85.0



#50

Toluene-d8

Concen: 48.089 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014803.D

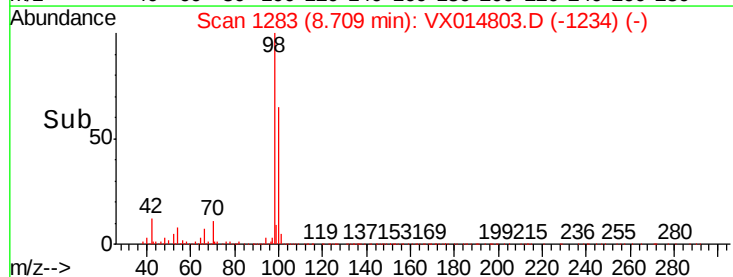
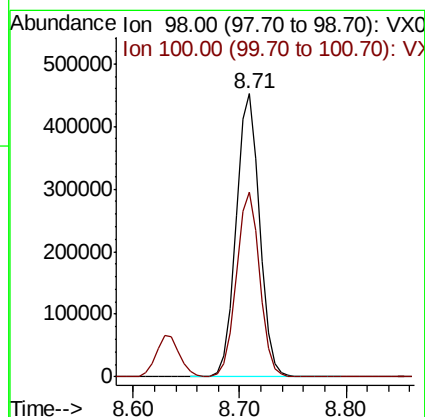
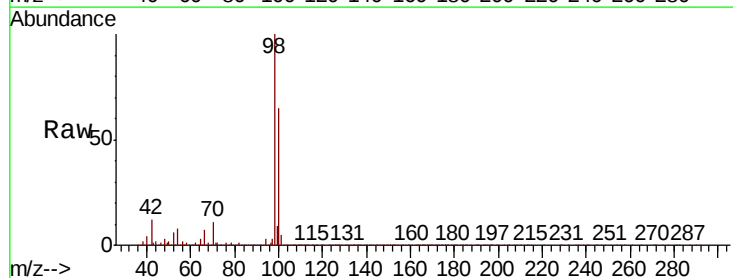
Acq: 04 Feb 2020 12:52

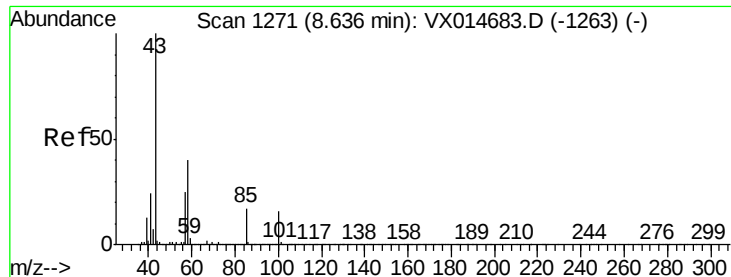
Tgt Ion: 98 Resp: 697003

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 98.821 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

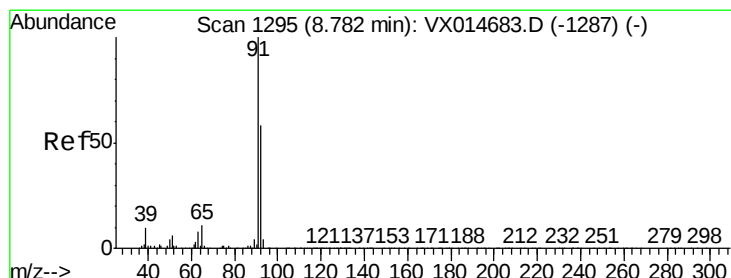
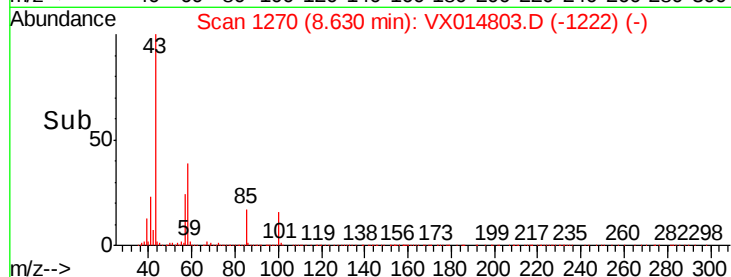
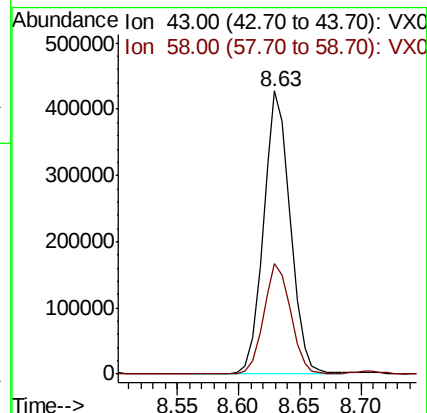
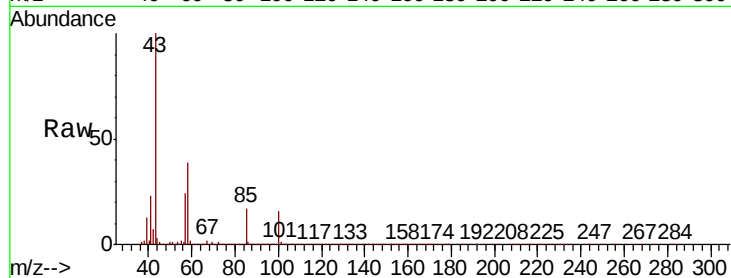
VX0204WBSD01

Tot Ion: 43 Resp: 649459

Ion Ratio Lower Upper

43 100

58 39.6 31.6 47.4



#52

Toluene

Concen: 19.867 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014803.D

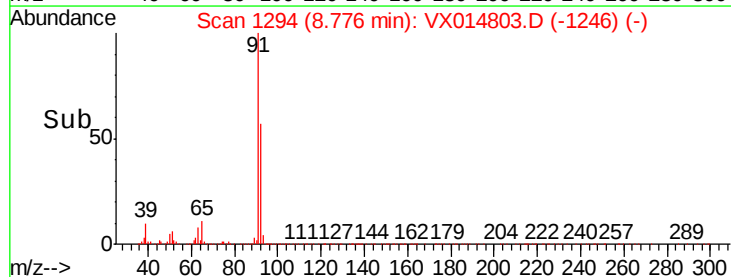
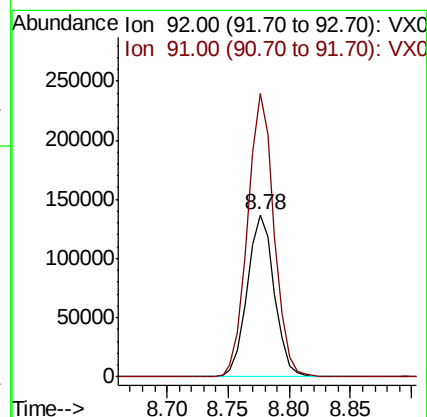
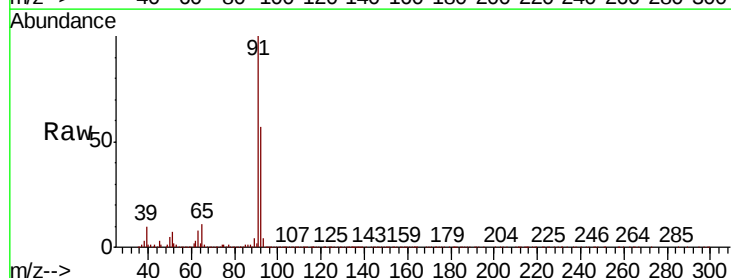
Acq: 04 Feb 2020 12:52

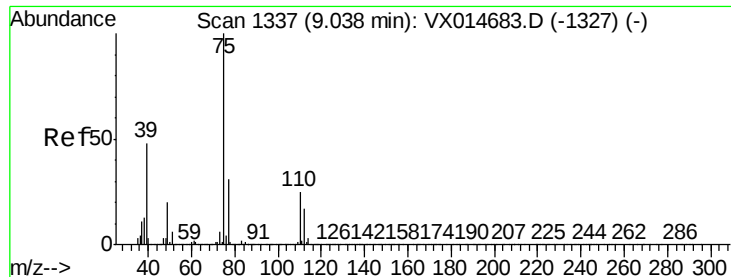
Tgt Ion: 92 Resp: 209491

Ion Ratio Lower Upper

92 100

91 171.1 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 20.374 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

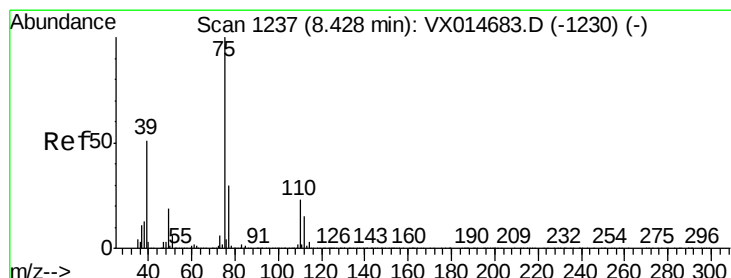
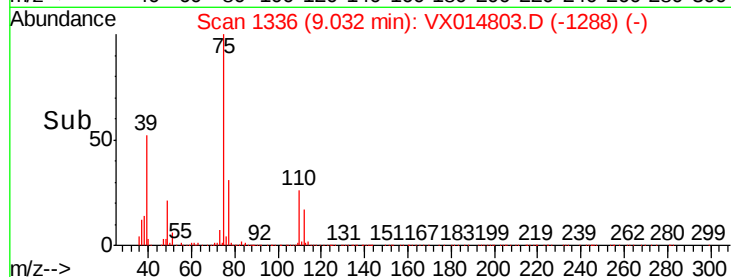
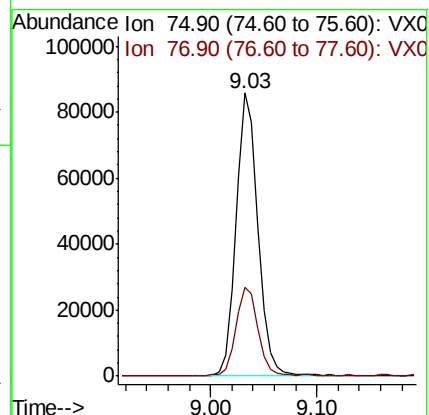
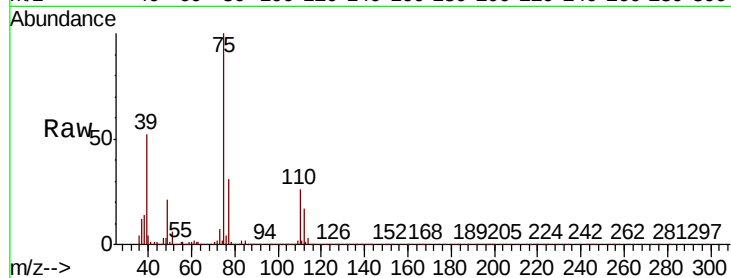
VX0204WBSD01

Tot Ion: 75 Resp: 123157

Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.555 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

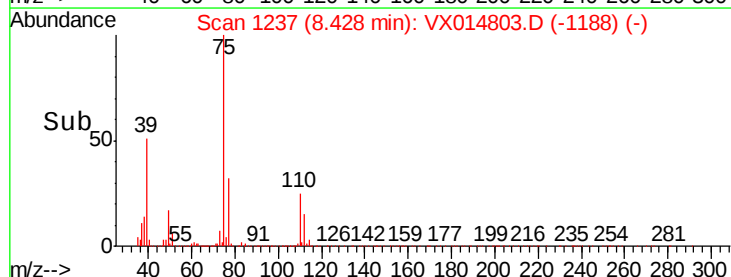
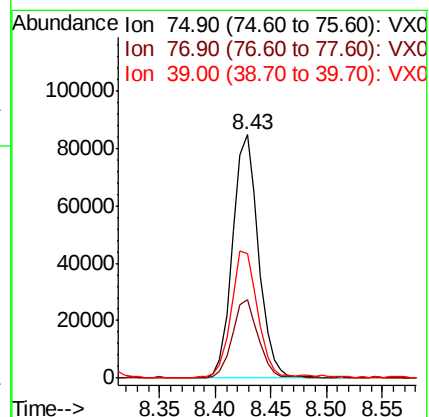
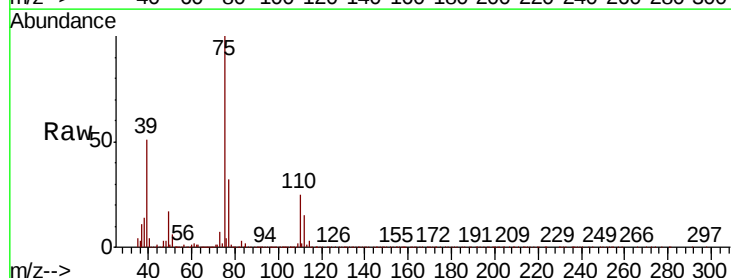
Tgt Ion: 75 Resp: 136682

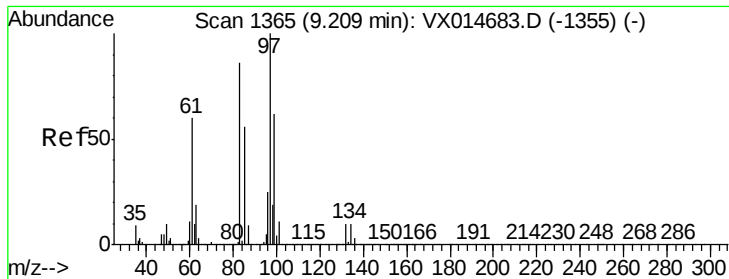
Ion Ratio Lower Upper

75 100

77 31.9 23.9 35.9

39 50.9 40.9 61.3

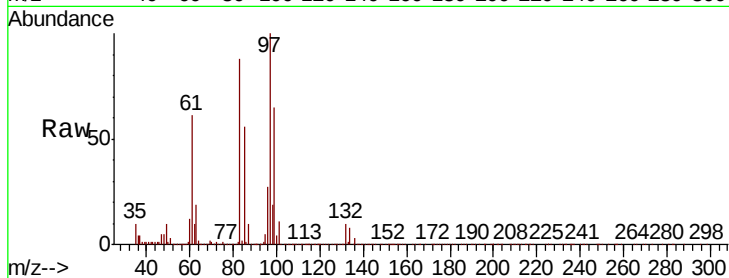




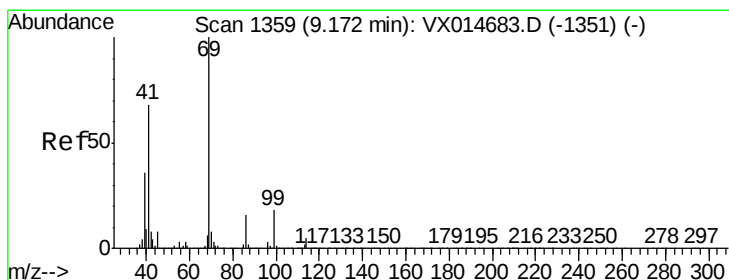
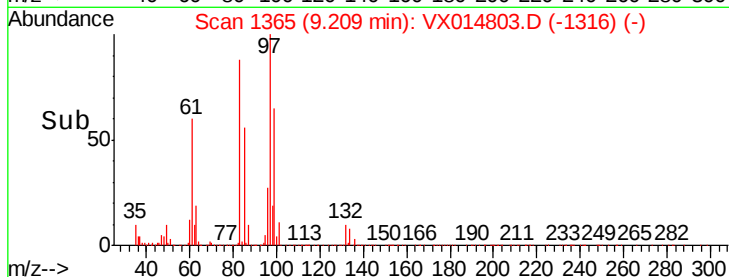
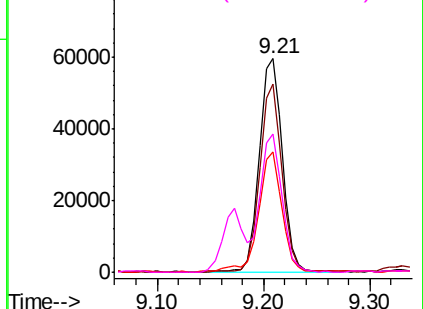
#55
 1,1,2-Trichloroethane
 Concen: 21.054 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion:	97	Resp:	90895
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.2	103.8
85	56.4	44.6	67.0
99	64.5	50.1	75.1

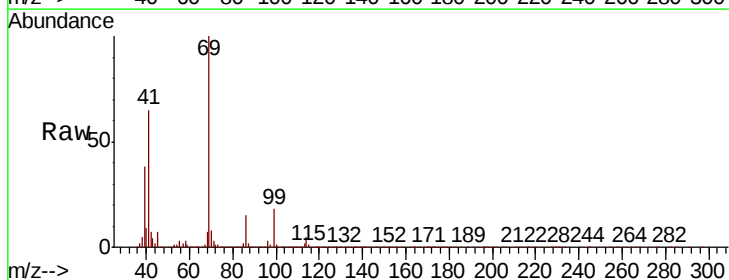


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

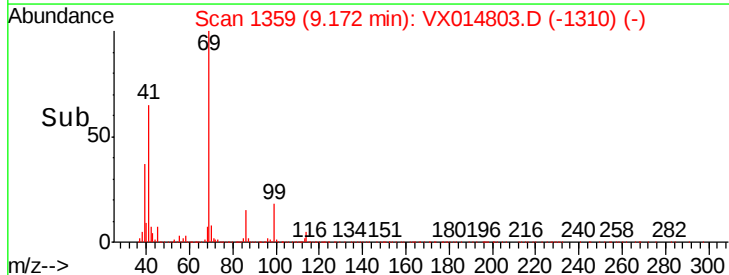
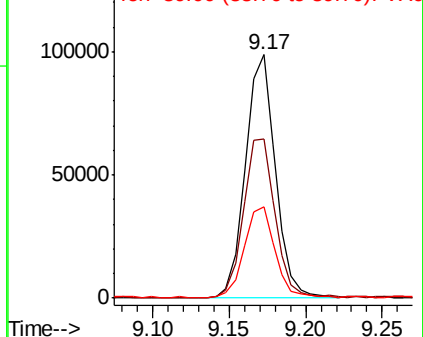


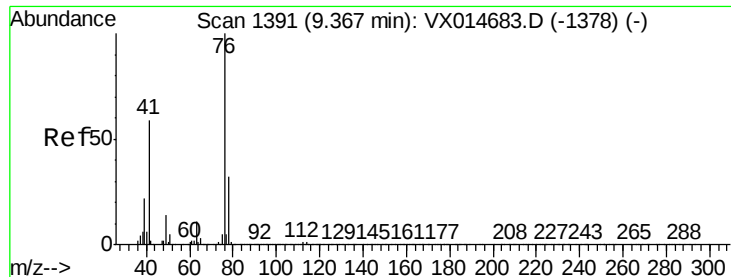
#56
 Ethyl methacrylate
 Concen: 19.400 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion:	69	Resp:	133700
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.9	82.3
39	38.2	29.3	43.9



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





#57

1,3-Dichloropropane

Concen: 20.161 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

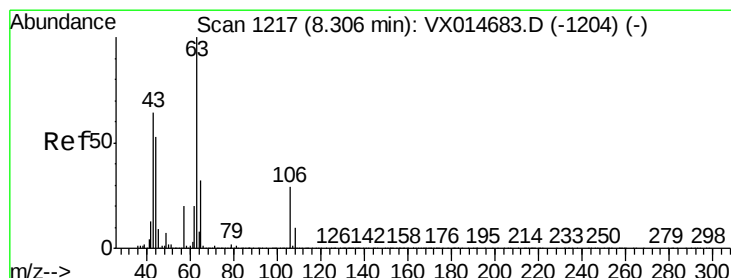
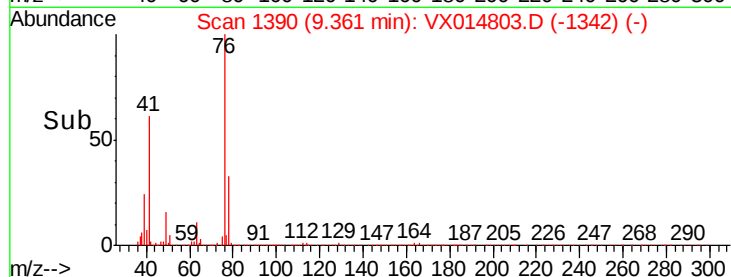
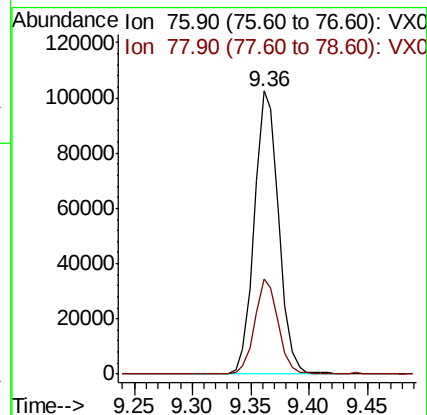
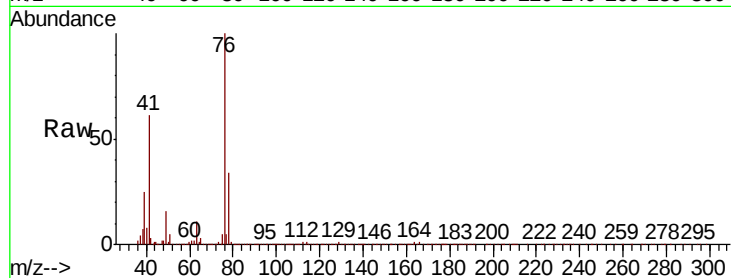
VX0204WBSD01

Tot Ion: 76 Resp: 148793

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.513 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014803.D

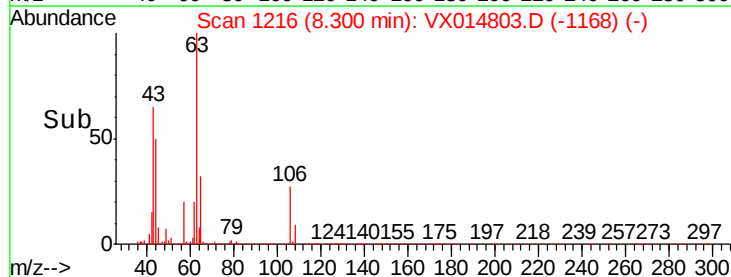
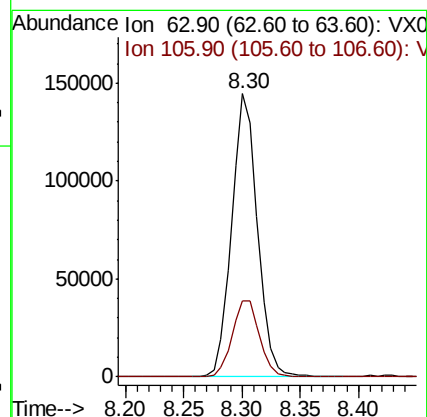
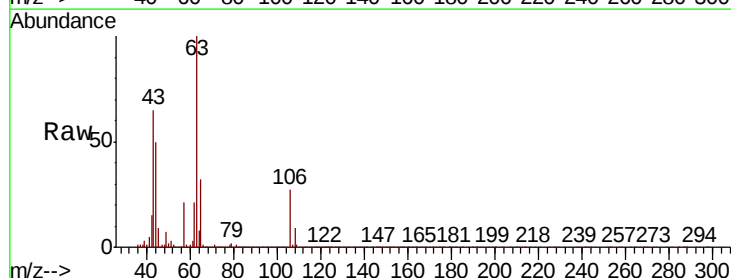
Acq: 04 Feb 2020 12:52

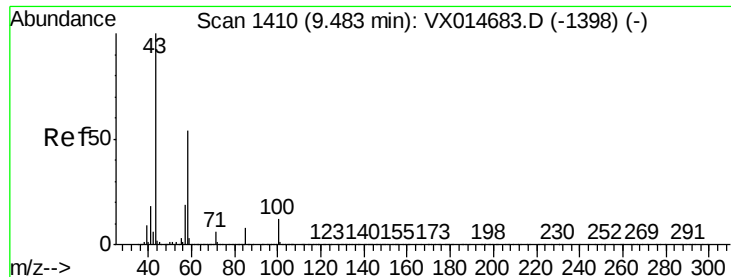
Tgt Ion: 63 Resp: 220405

Ion Ratio Lower Upper

63 100

106 28.9 22.7 34.1

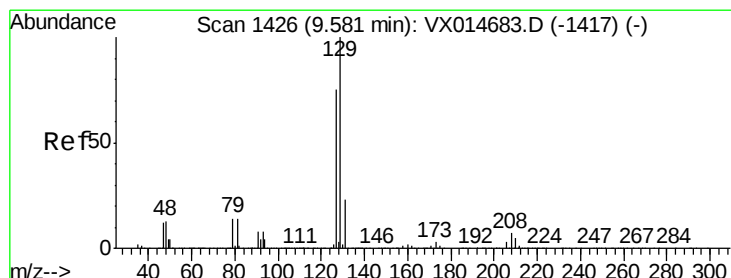
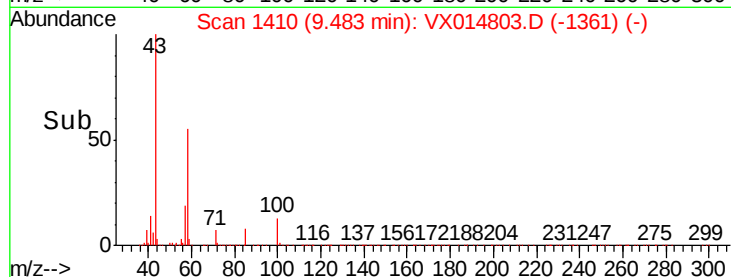
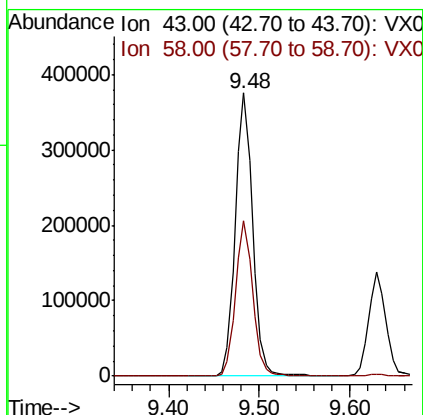
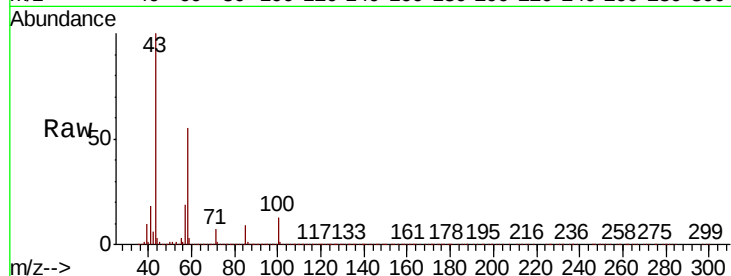




#59
2-Hexanone
Concen: 97.991 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

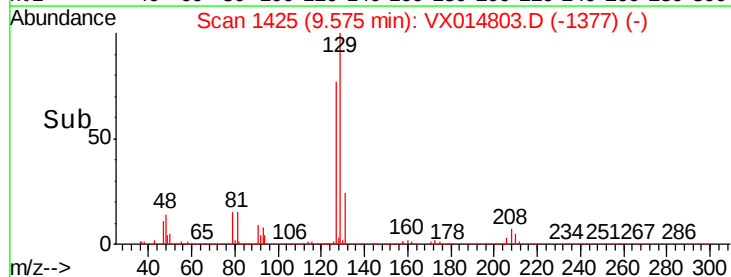
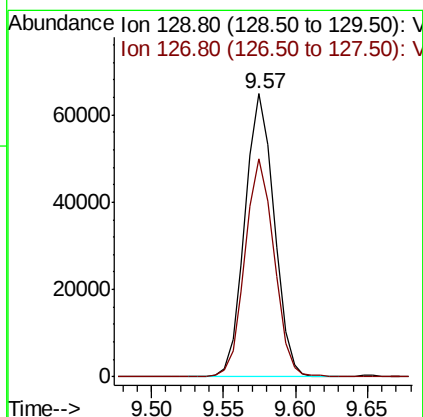
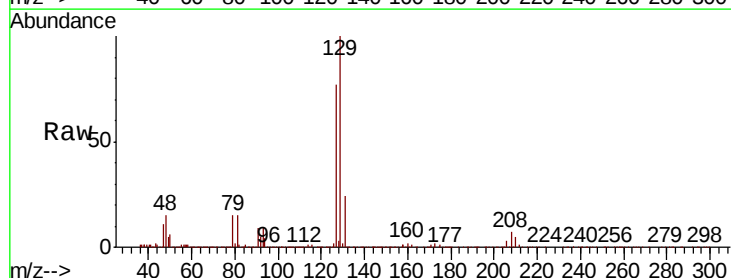
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

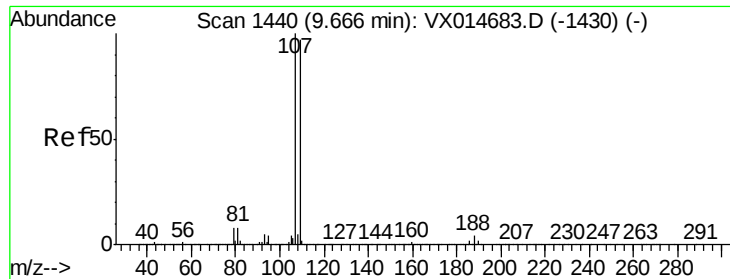
Tot Ion: 43 Resp: 499738
Ion Ratio Lower Upper
43 100
58 54.0 27.2 81.5



#60
Dibromochloromethane
Concen: 20.205 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion: 129 Resp: 91051
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.200 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

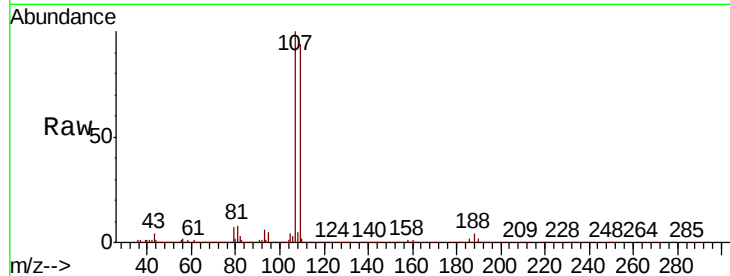
VX0204WBSD01

Tot Ion:107 Resp: 92206

Ion Ratio Lower Upper

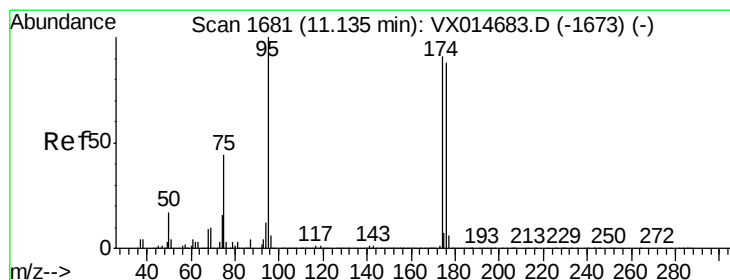
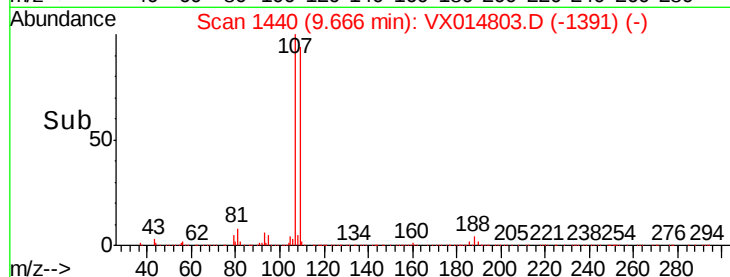
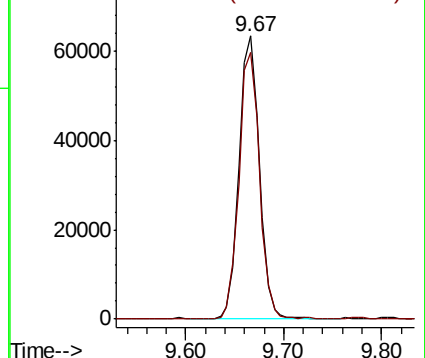
107 100

109 95.0 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.412 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

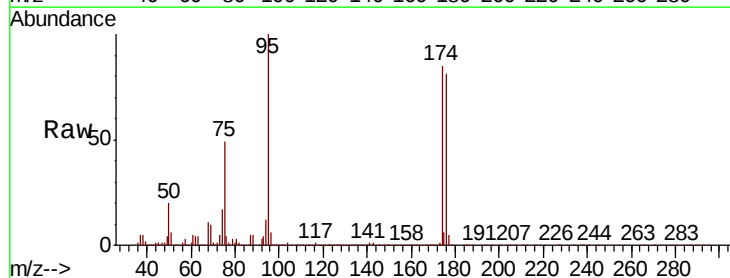
Tgt Ion: 95 Resp: 249957

Ion Ratio Lower Upper

95 100

174 89.5 0.0 176.0

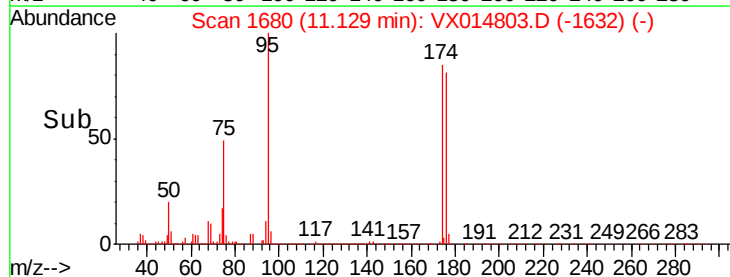
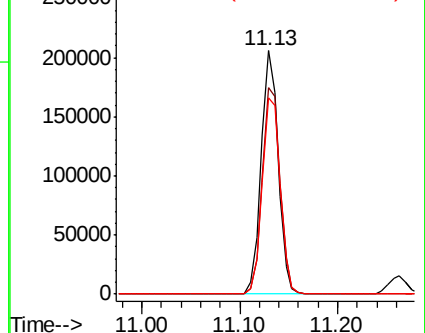
176 86.2 0.0 172.2

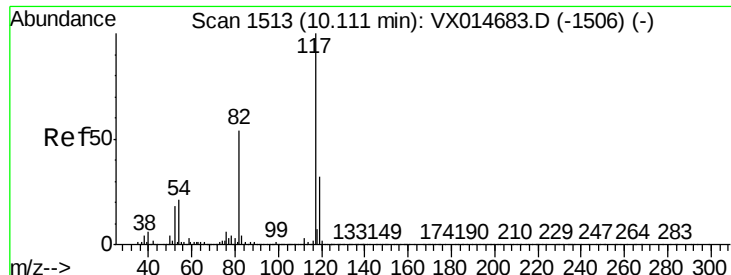


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

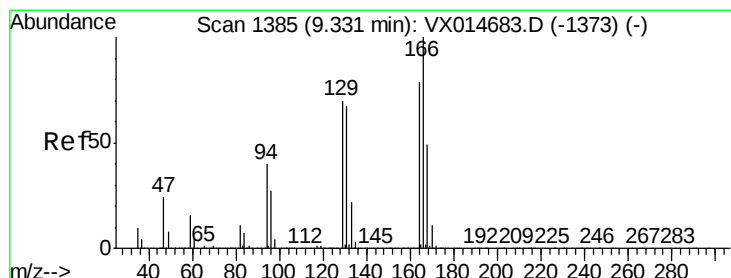
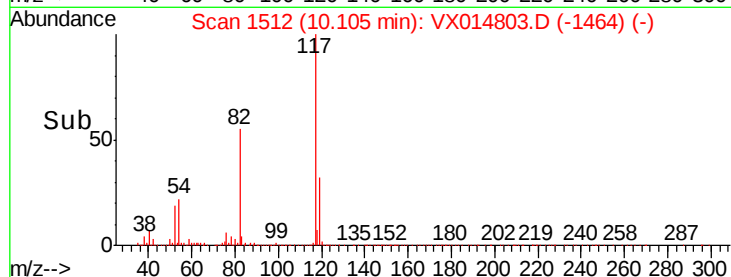
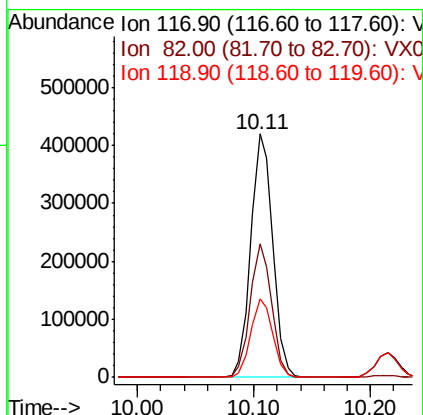
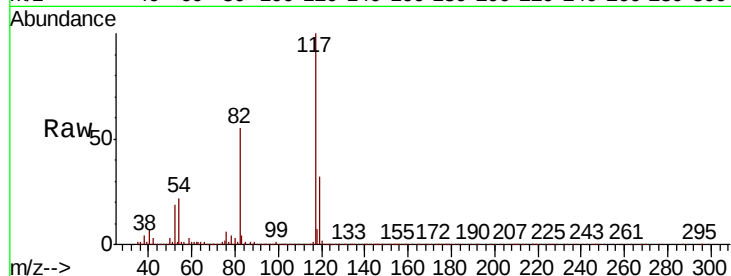




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

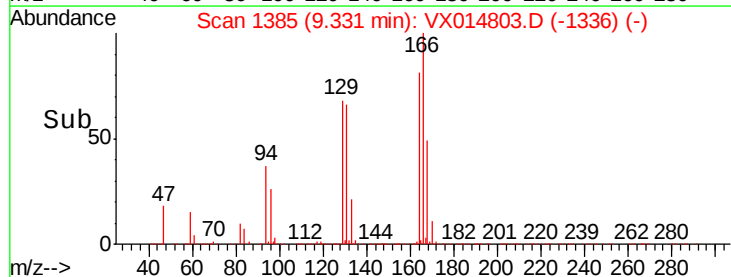
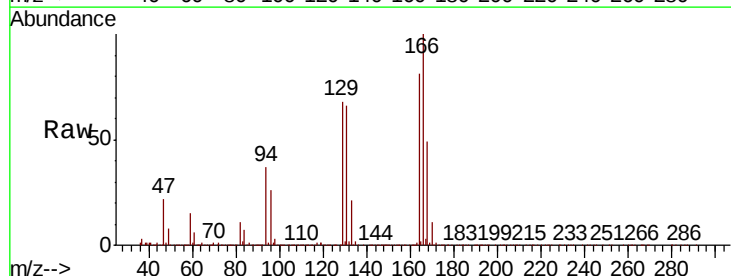
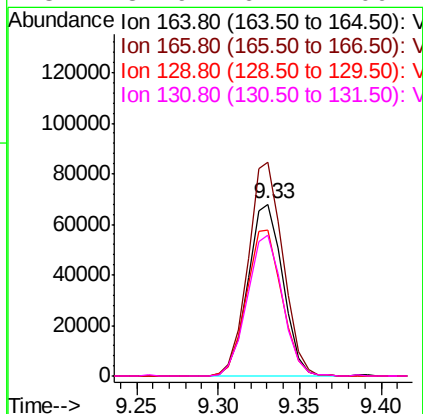
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.2	64.8
119	32.2	25.8	38.6



#64
Tetrachloroethene
Concen: 18.469 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.9	151.3
129	84.8	71.0	106.6
131	81.9	67.1	100.7





#65

Chlorobenzene

Concen: 19.449 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

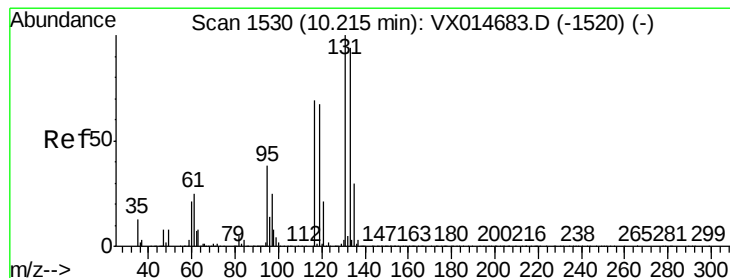
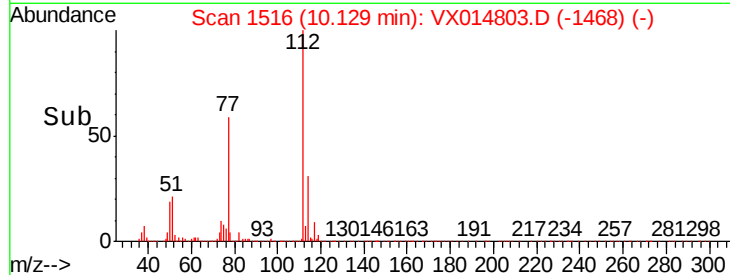
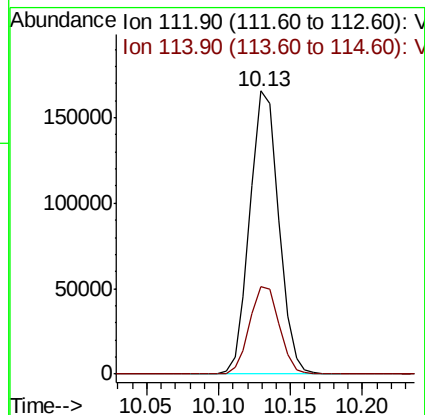
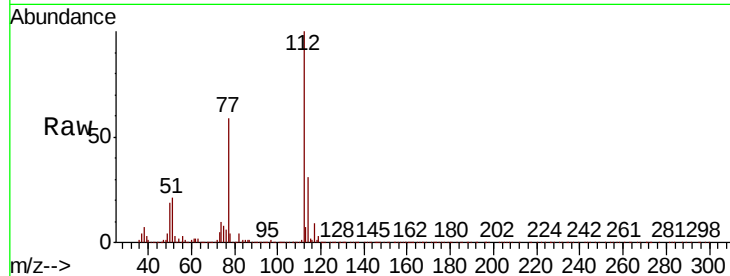
VX0204WBSD01

Tot Ion:112 Resp: 230423

Ion Ratio Lower Upper

112 100

114 30.7 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 19.898 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

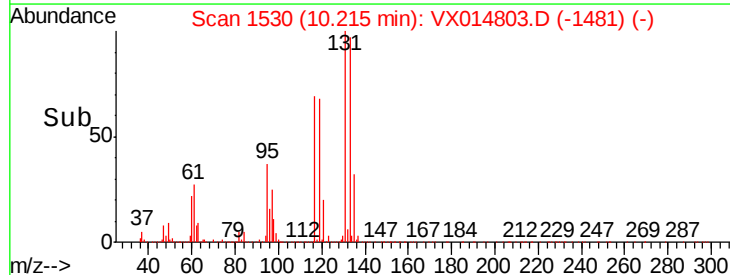
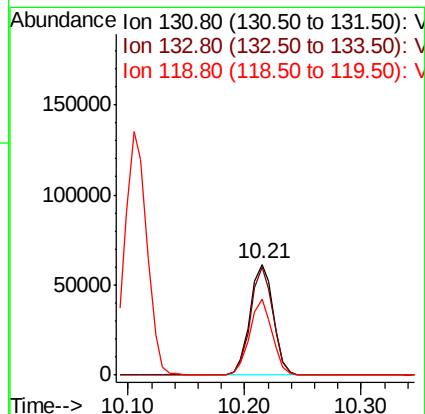
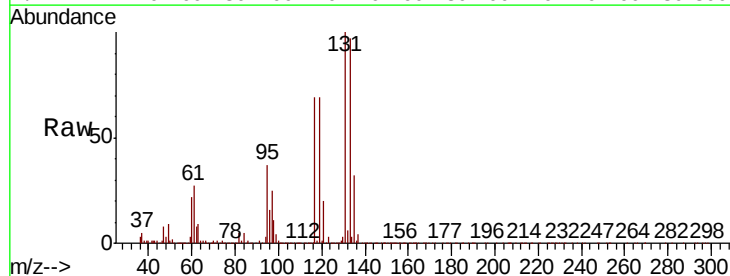
Tgt Ion:131 Resp: 86921

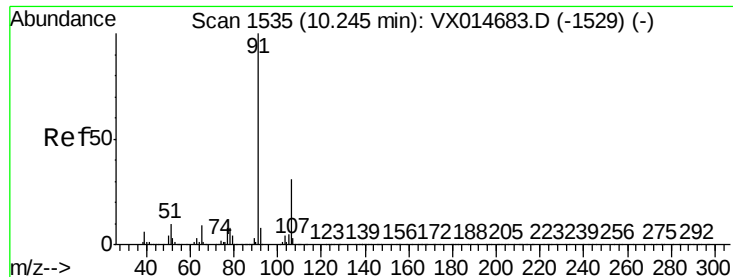
Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.3

119 65.2 33.3 99.8





#67

Ethyl Benzene

Concen: 19.344 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

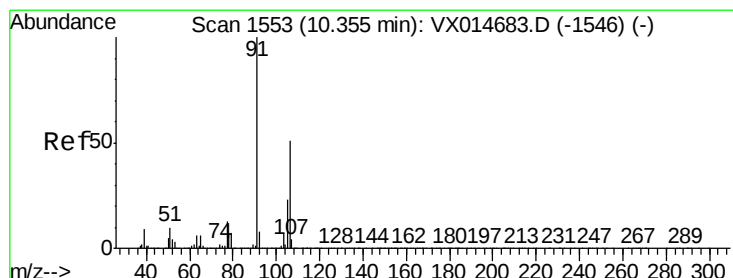
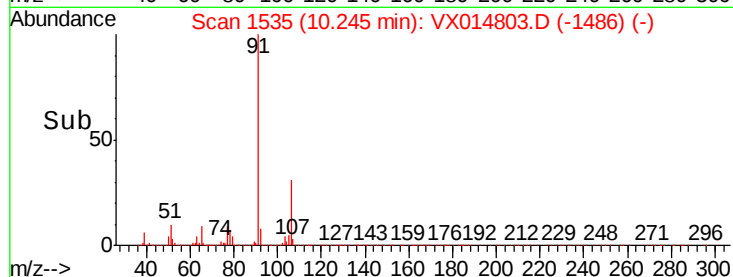
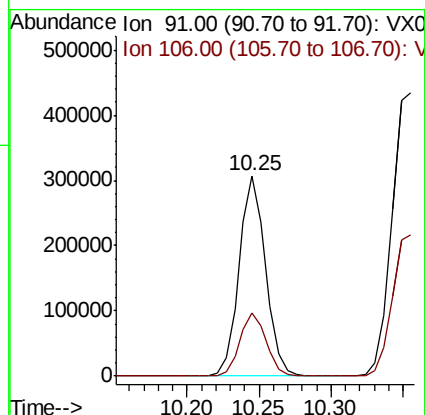
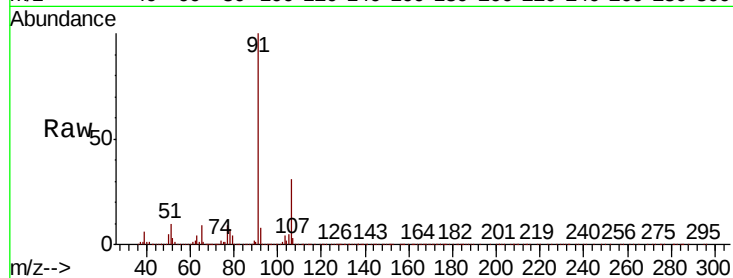
VX0204WBSD01

Tot Ion: 91 Resp: 391327

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#68

m/p-Xylenes

Concen: 39.313 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014803.D

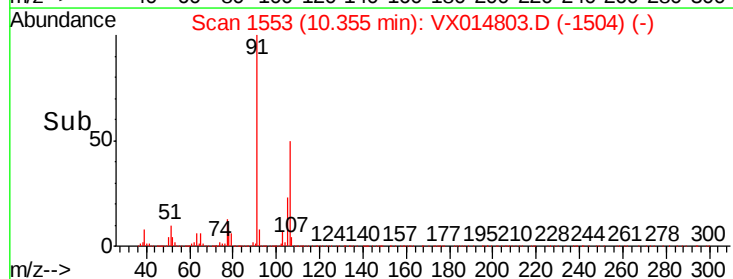
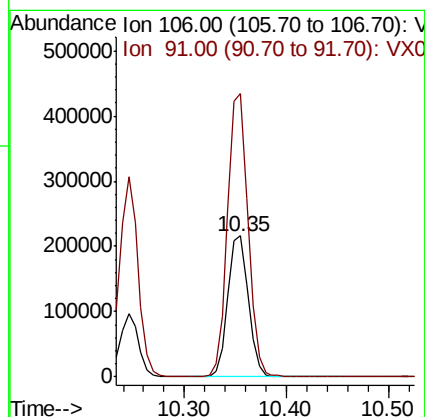
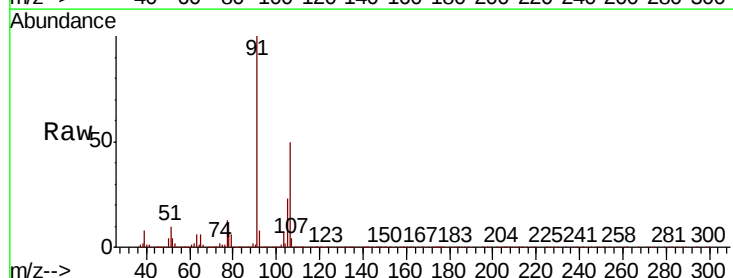
Acq: 04 Feb 2020 12:52

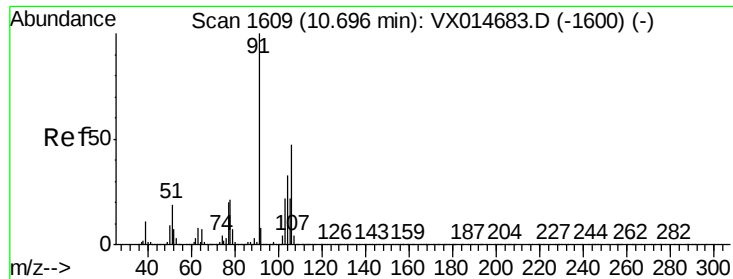
Tgt Ion: 106 Resp: 301288

Ion Ratio Lower Upper

106 100

91 200.8 159.4 239.2

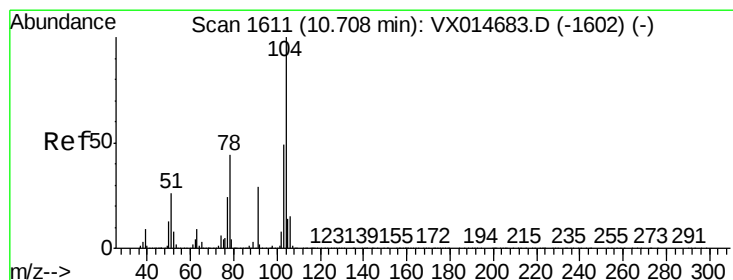
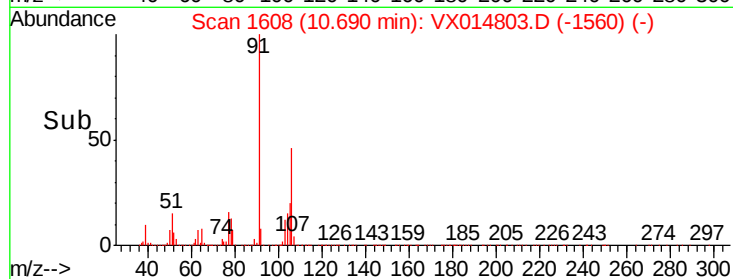
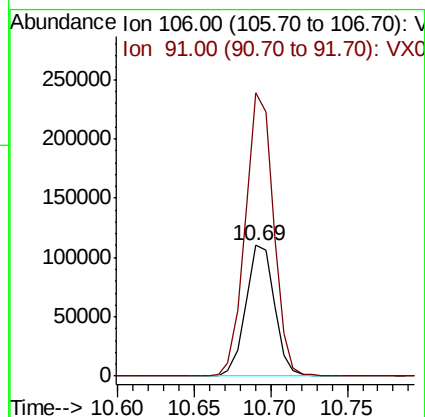
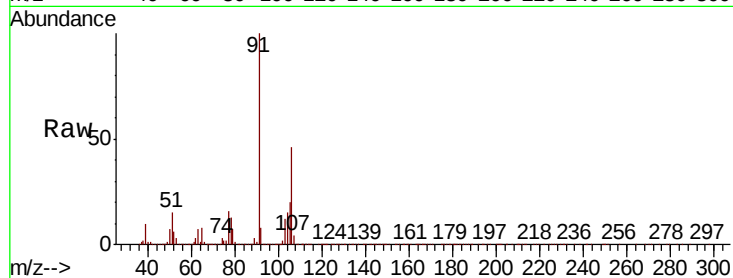




#69
o-Xylene
Concen: 19.336 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

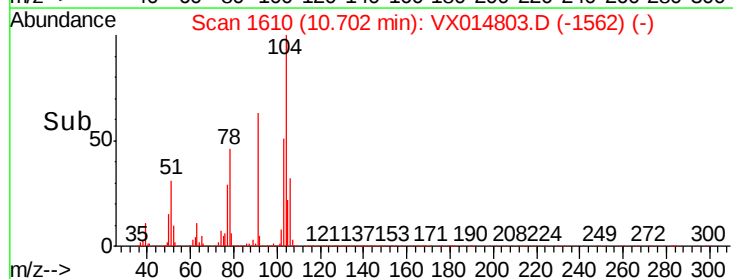
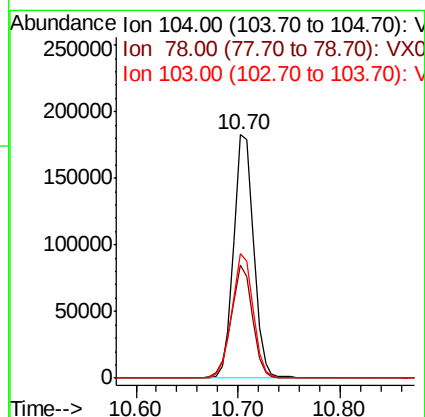
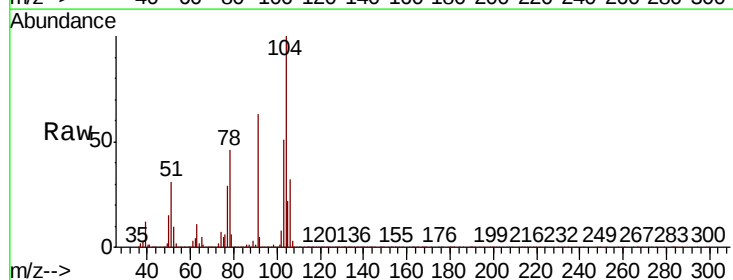
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

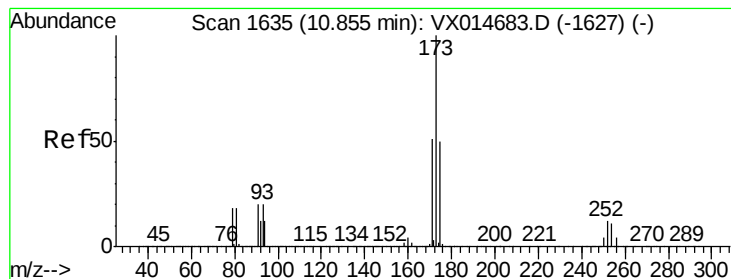
Tot Ion:106 Resp: 143060
Ion Ratio Lower Upper
106 100
91 213.8 106.2 318.6



#70
Styrene
Concen: 19.850 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion:104 Resp: 246361
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 54.2 43.5 65.3





#71

Bromoform

Concen: 19.549 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

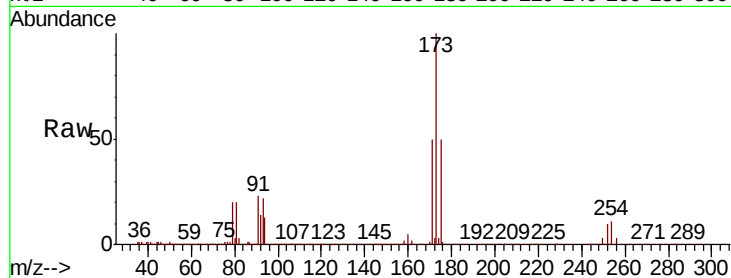
Tot Ion:173 Resp: 67908

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.6

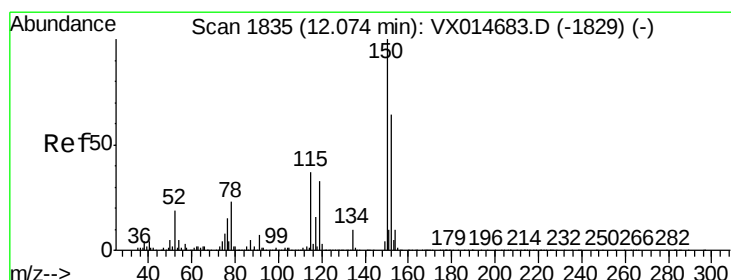
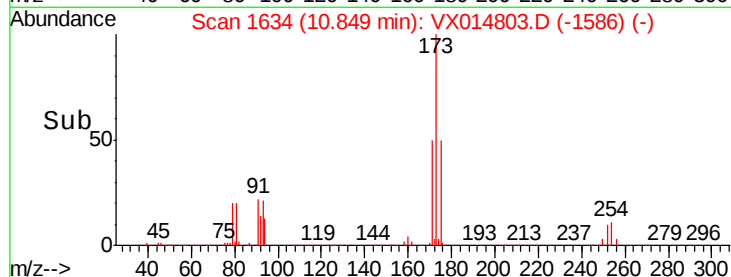
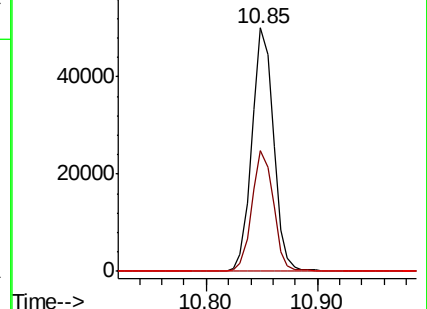
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

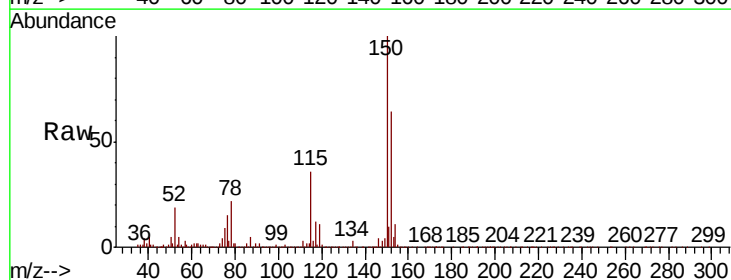
Tgt Ion:152 Resp: 278180

Ion Ratio Lower Upper

152 100

115 65.0 39.4 118.1

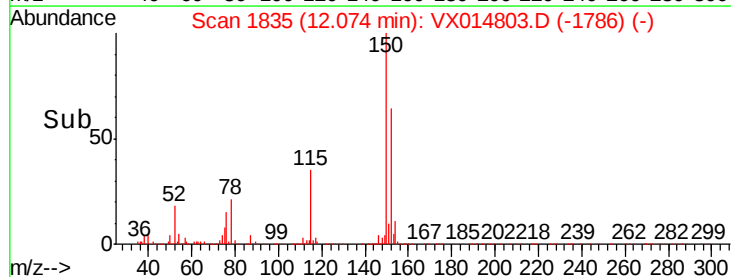
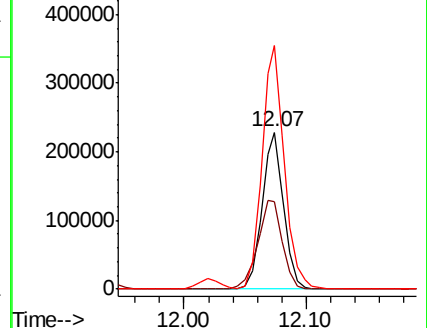
150 162.0 0.0 351.2

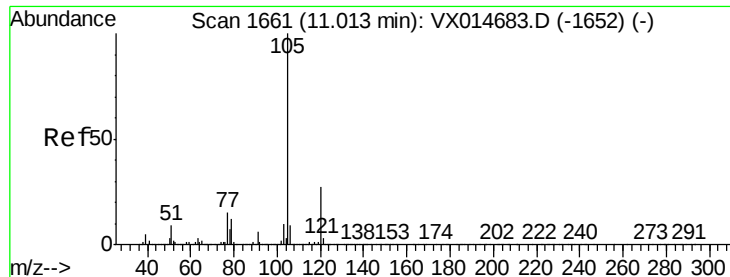


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.889 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

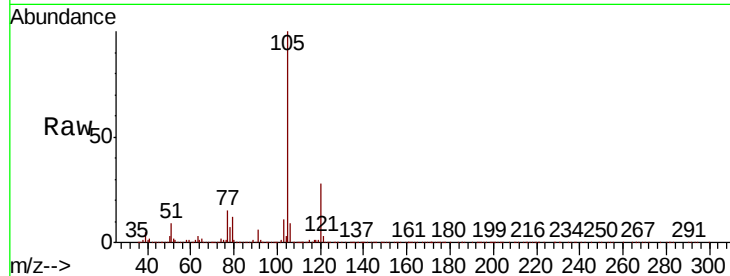
VX0204WBSD01

Tot Ion:105 Resp: 389020

Ion Ratio Lower Upper

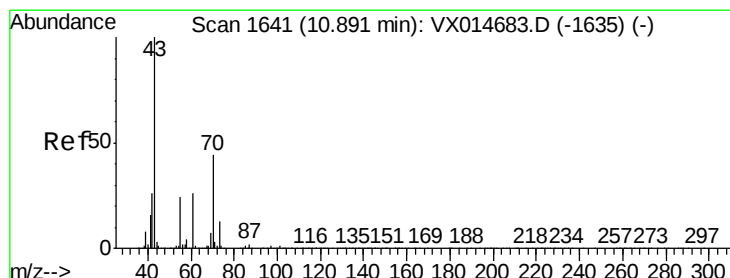
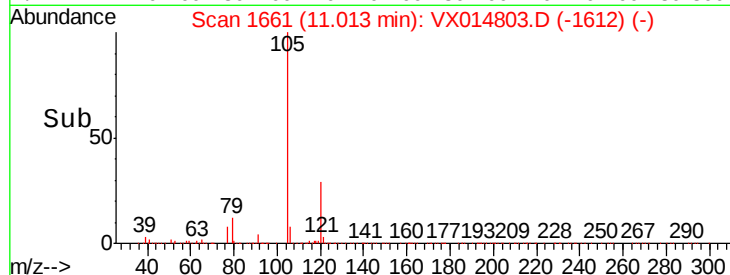
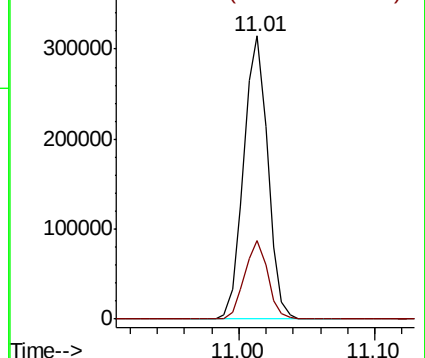
105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.419 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Tgt Ion: 43 Resp: 166447

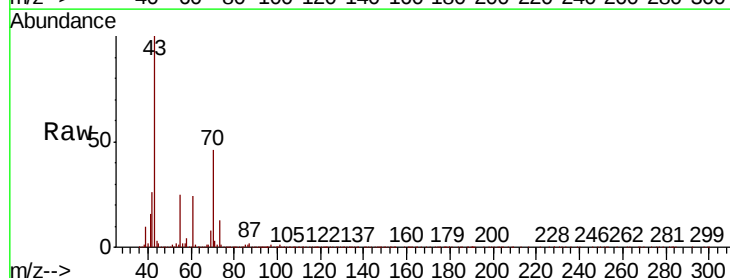
Ion Ratio Lower Upper

43 100

70 43.8 34.6 52.0

55 25.7 19.4 29.2

61 24.4 19.8 29.6

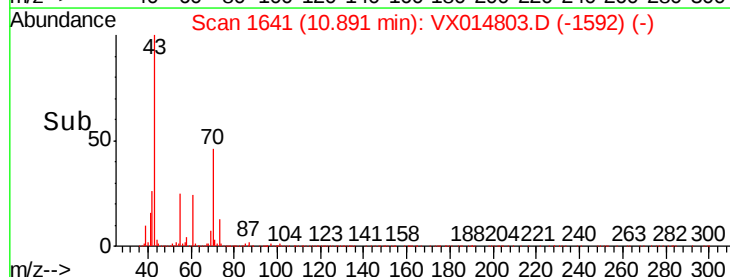
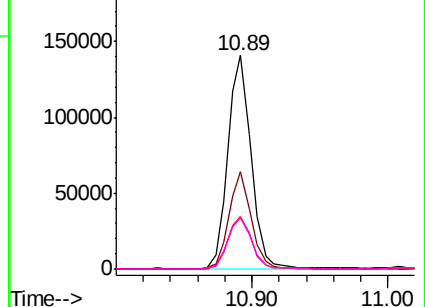


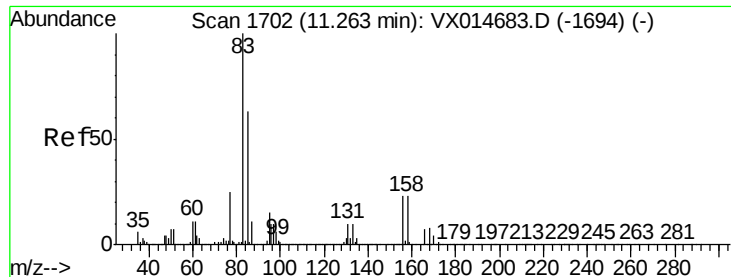
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.864 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

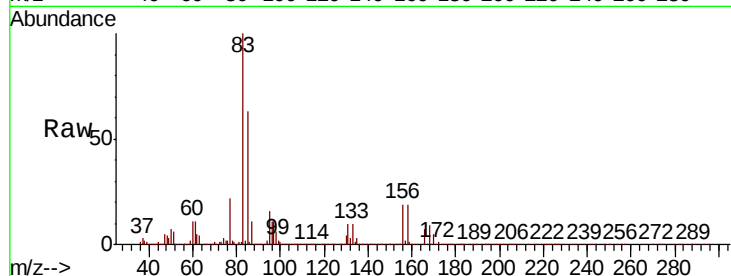
Tot Ion: 83 Resp: 131743

Ion Ratio Lower Upper

83 100

131 10.9 5.0 15.0

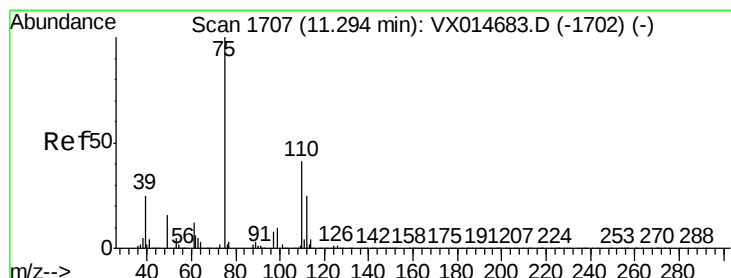
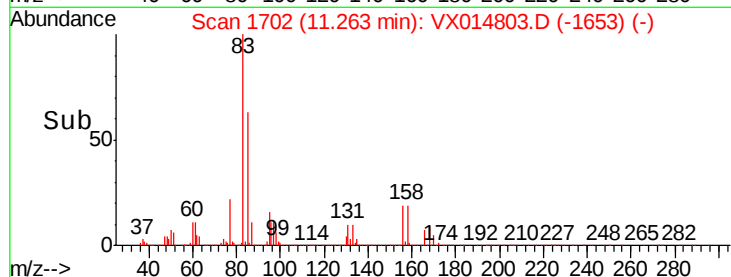
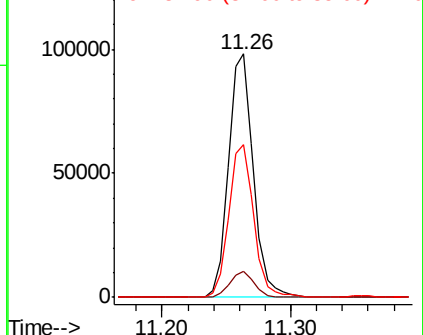
85 64.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.185 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014803.D

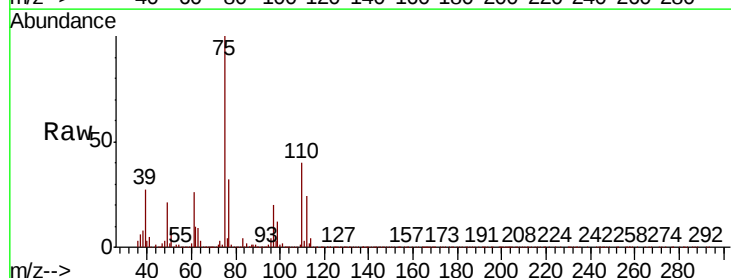
Acq: 04 Feb 2020 12:52

Tgt Ion: 75 Resp: 150052

Ion Ratio Lower Upper

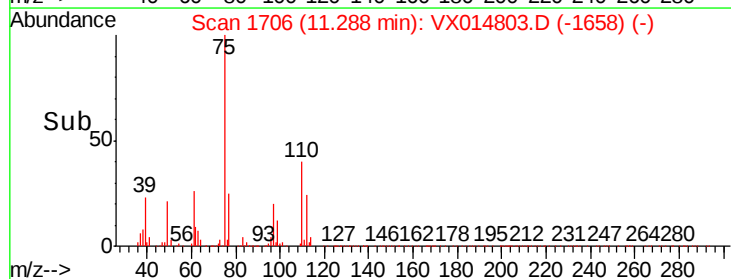
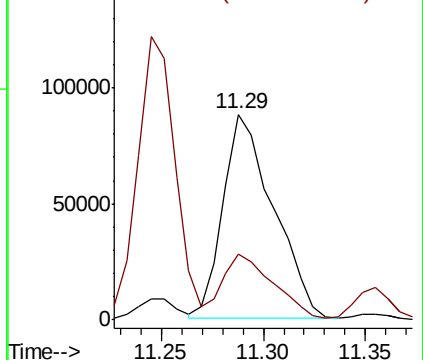
75 100

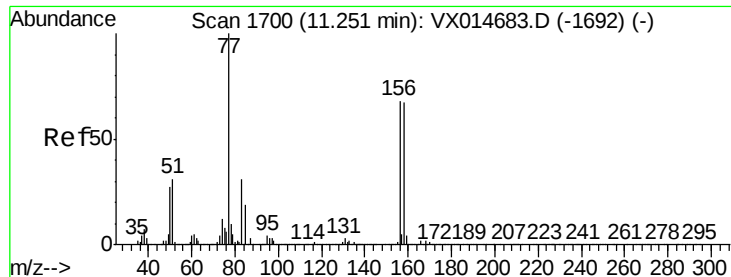
77 32.8 18.7 56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.512 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

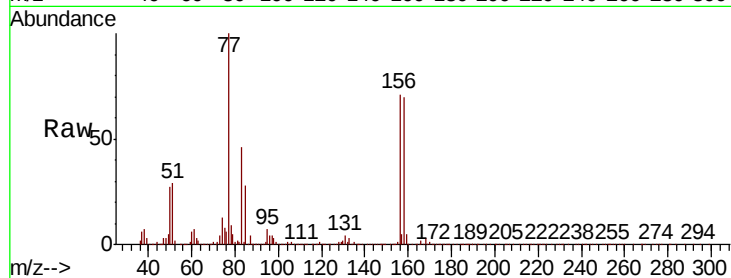
Tot Ion:156 Resp: 102531

Ion Ratio Lower Upper

156 100

77 152.1 77.5 232.5

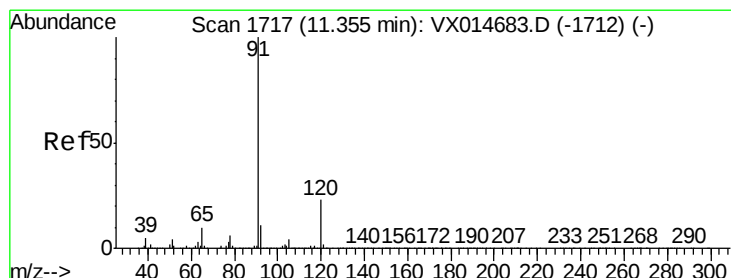
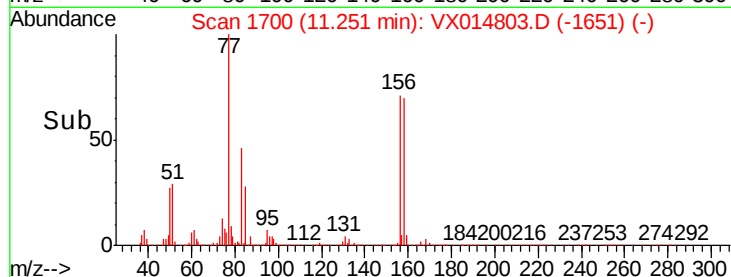
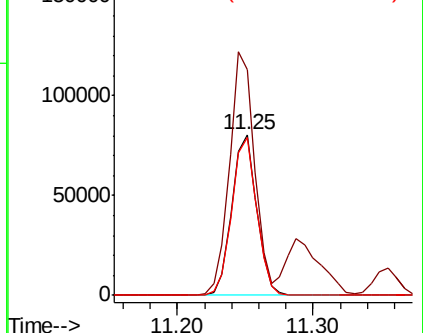
158 98.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.688 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014803.D

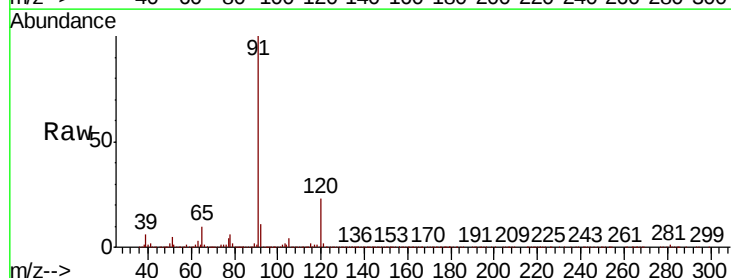
Acq: 04 Feb 2020 12:52

Tgt Ion: 91 Resp: 437113

Ion Ratio Lower Upper

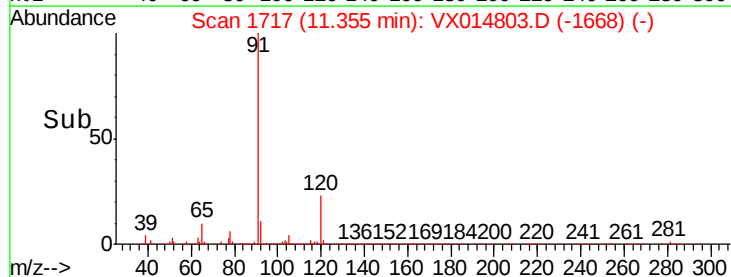
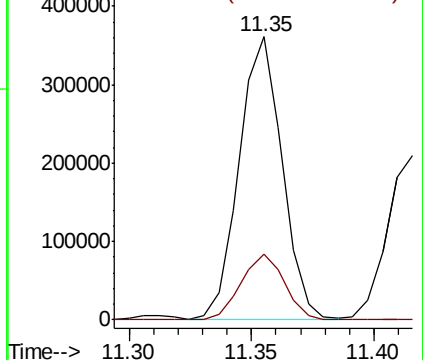
91 100

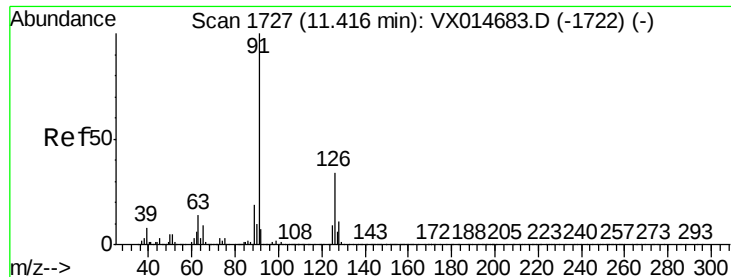
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

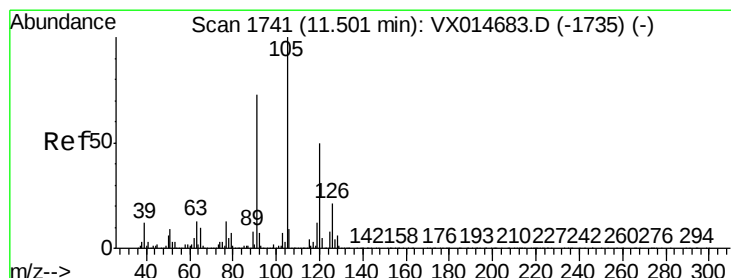
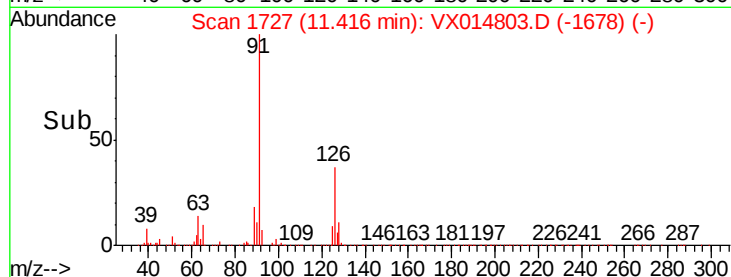
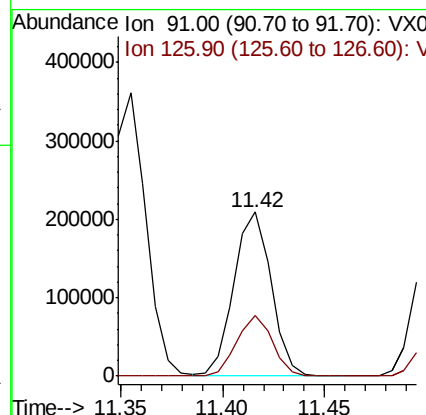
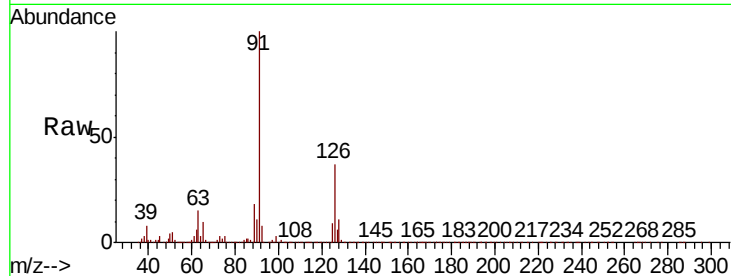




#79
2-Chlorotoluene
Concen: 19.669 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

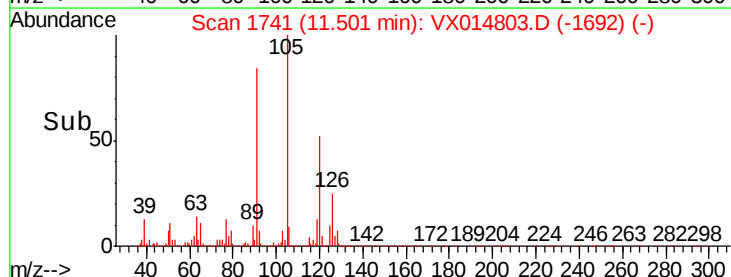
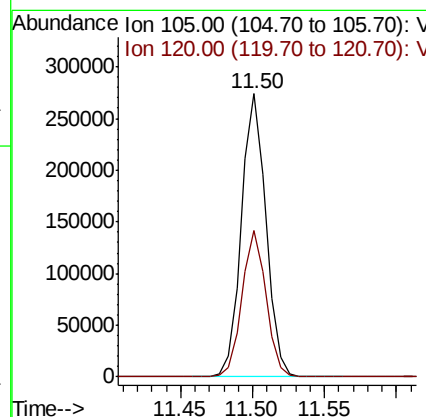
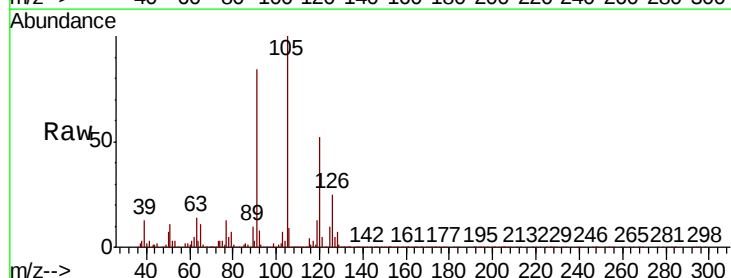
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

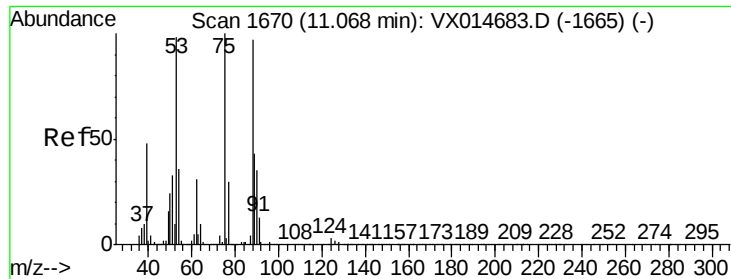
Tot Ion: 91 Resp: 264221
Ion Ratio Lower Upper
91 100
126 35.8 17.3 51.9



#80
1,3,5-Trimethylbenzene
Concen: 20.032 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion: 105 Resp: 325203
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.738 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

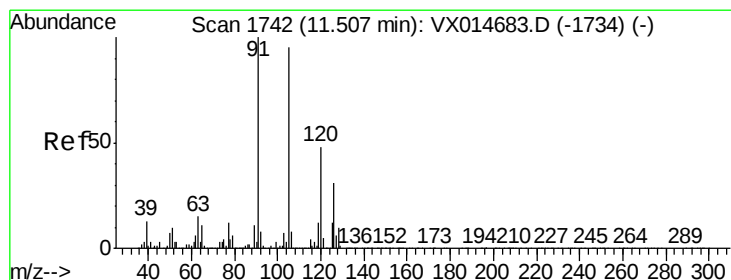
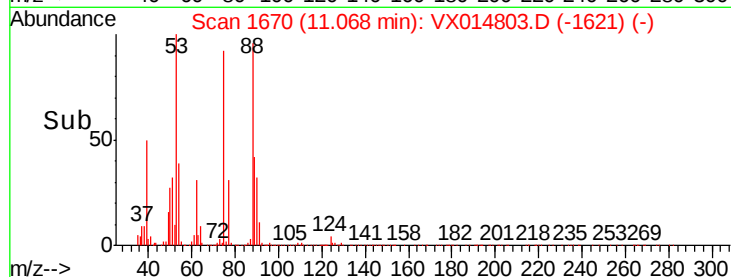
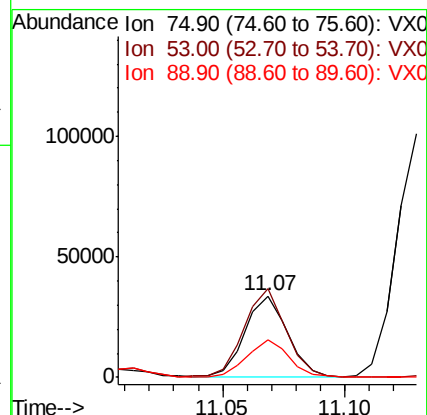
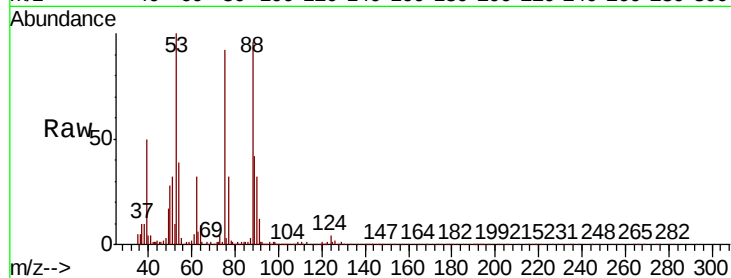
Tot Ion: 75 Resp: 40341

Ion Ratio Lower Upper

75 100

53 108.0 78.8 118.2

89 47.0 35.4 53.0



#82

4-Chlorotoluene

Concen: 19.629 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014803.D

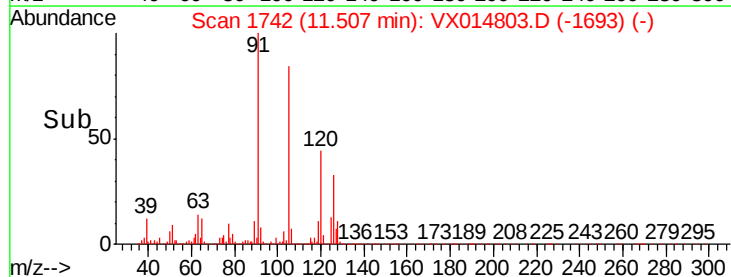
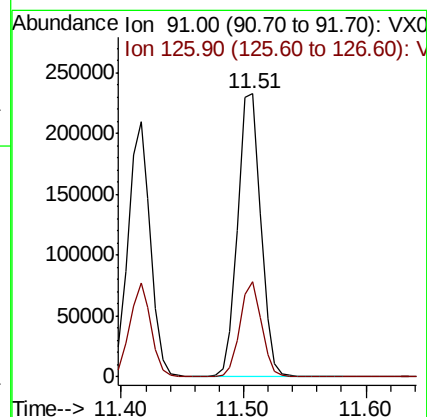
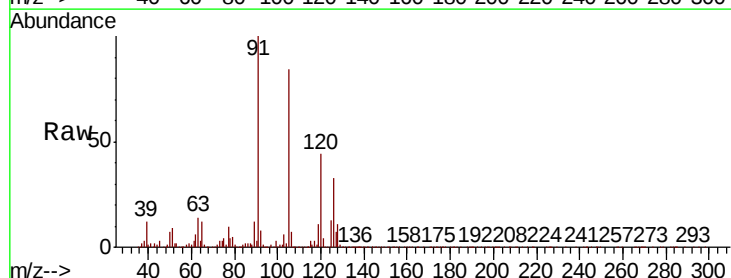
Acq: 04 Feb 2020 12:52

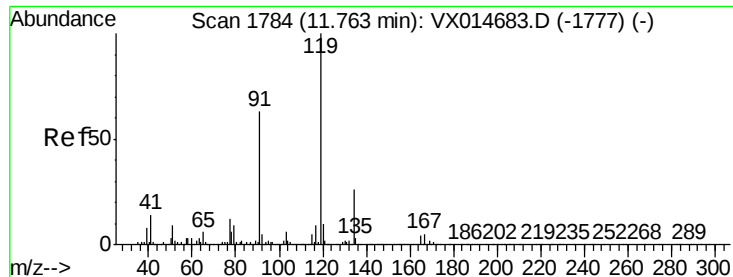
Tgt Ion: 91 Resp: 300199

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.4





#83

tert-Butylbenzene

Concen: 19.850 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

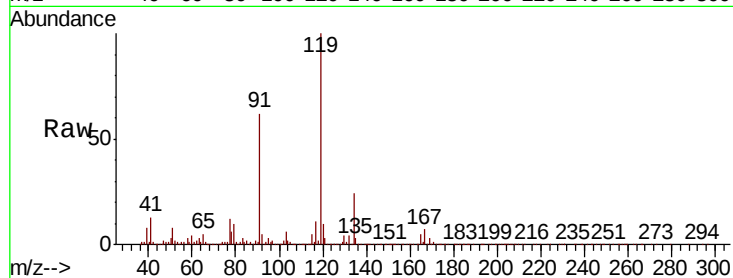
Tot Ion:119 Resp: 302799

Ion Ratio Lower Upper

119 100

91 59.1 30.0 90.0

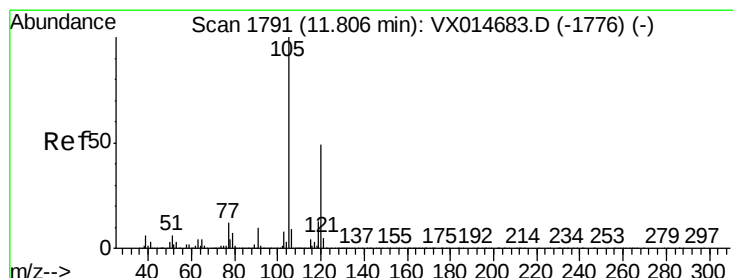
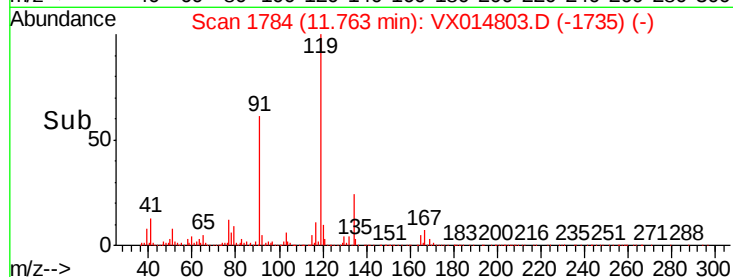
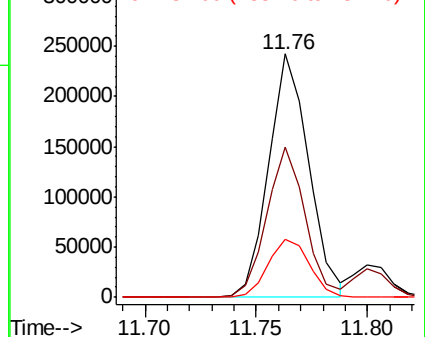
134 24.6 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.954 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014803.D

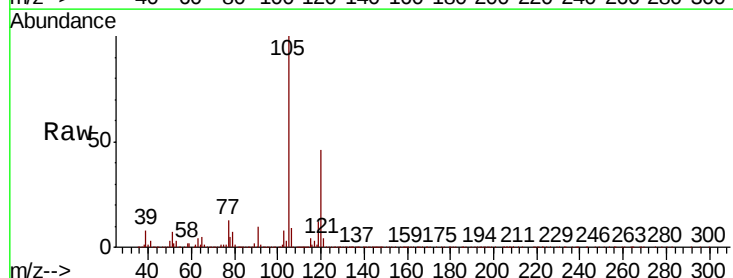
Acq: 04 Feb 2020 12:52

Tgt Ion:105 Resp: 324913

Ion Ratio Lower Upper

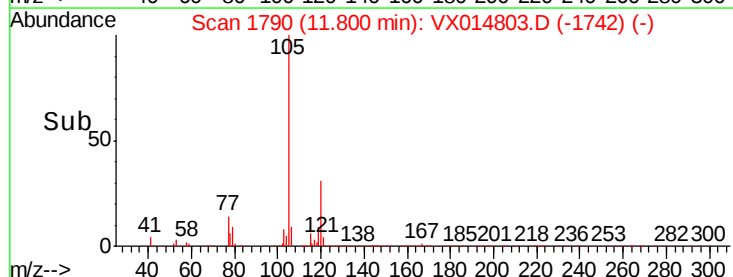
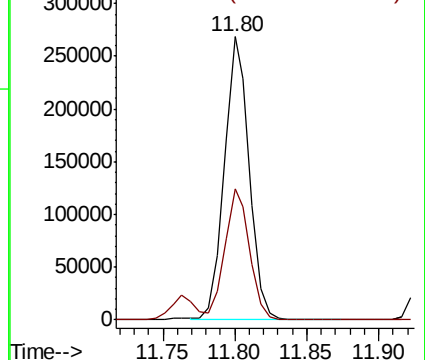
105 100

120 45.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.019 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

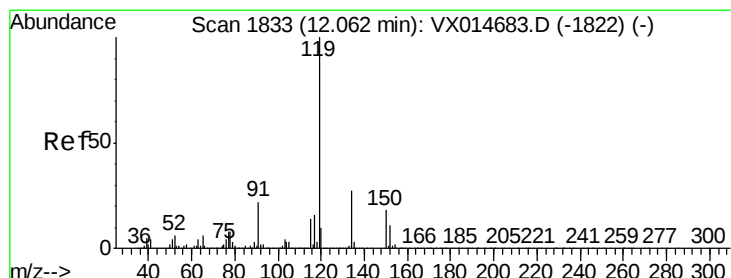
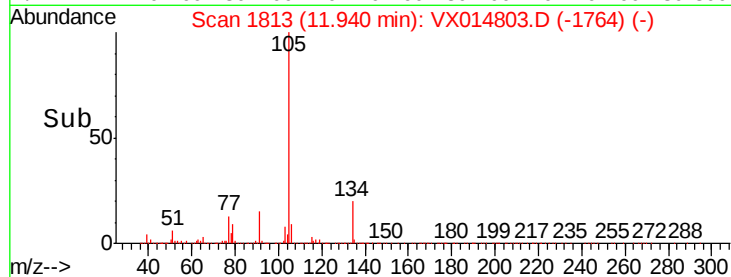
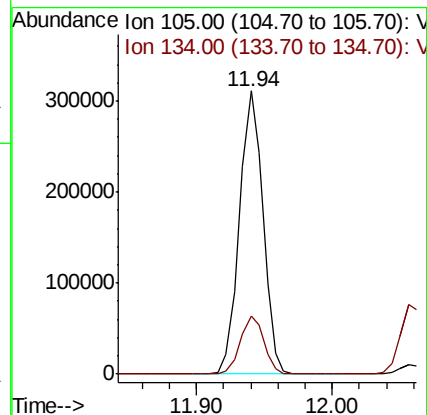
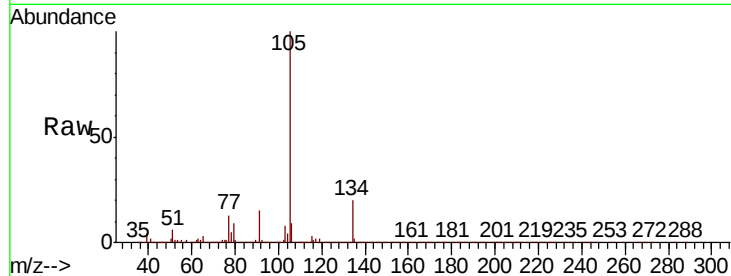
VX0204WBSD01

Tot Ion:105 Resp: 374108

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.023 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

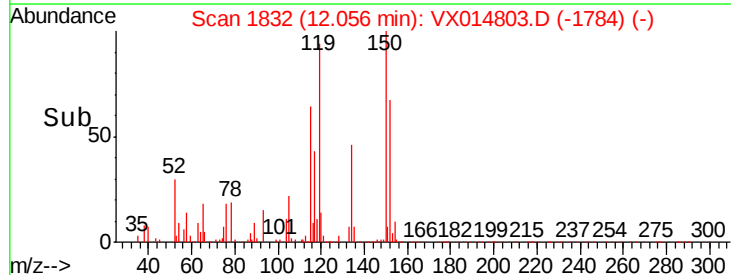
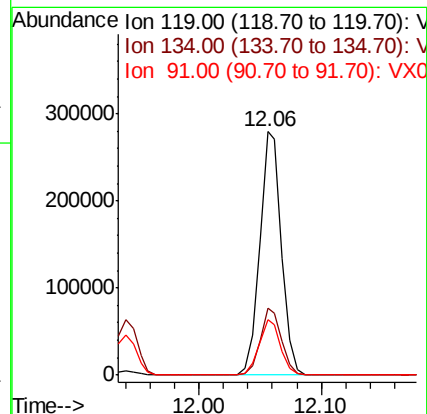
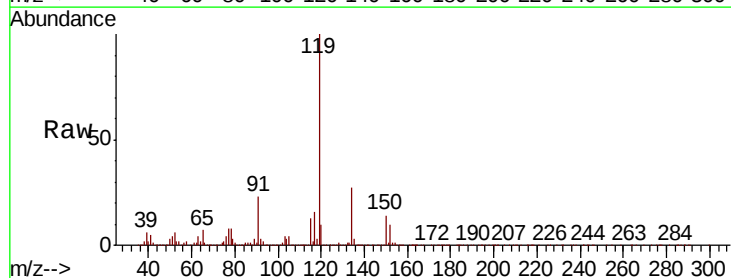
Tgt Ion:119 Resp: 345798

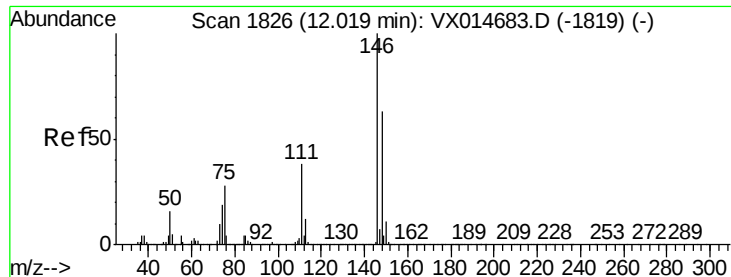
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.214 ug/l

RT: 12.02 min Scan# 1826

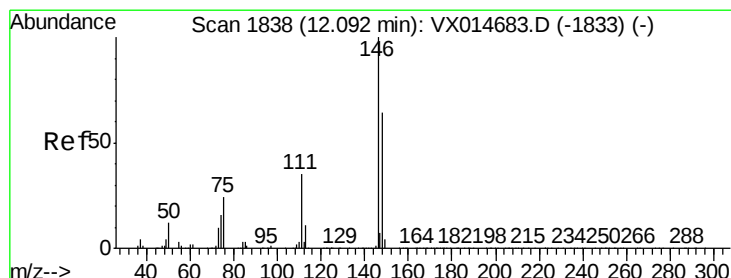
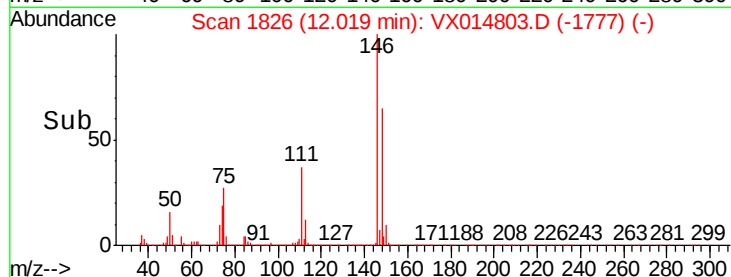
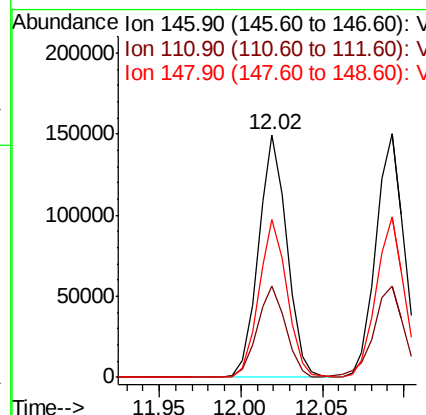
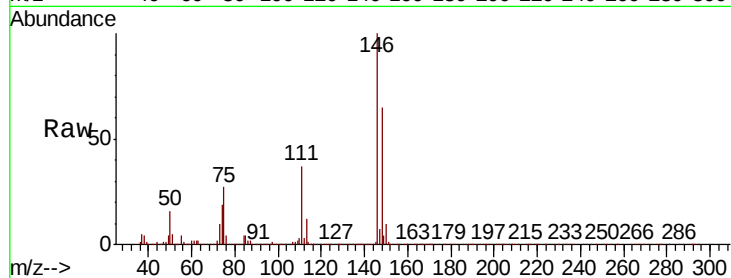
Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.4	31.6	95.0



#88

1,4-Dichlorobenzene

Concen: 19.248 ug/l

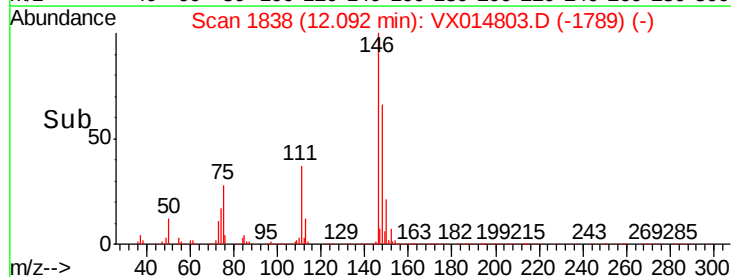
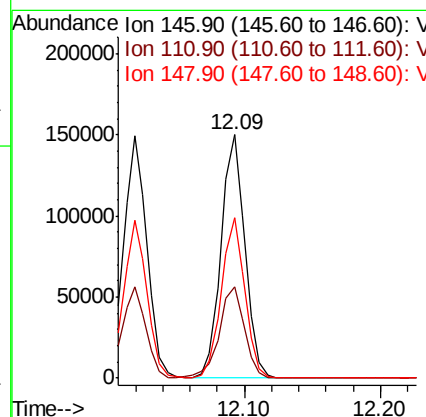
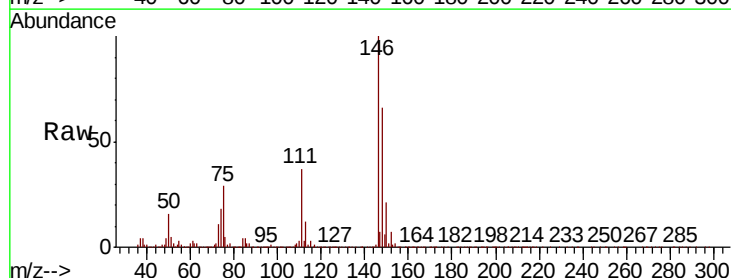
RT: 12.09 min Scan# 1838

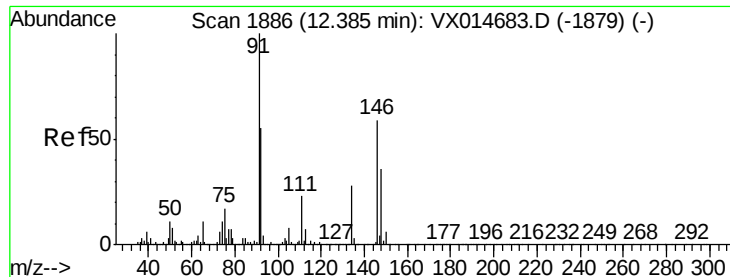
Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.6	55.8
148	64.9	32.0	96.2

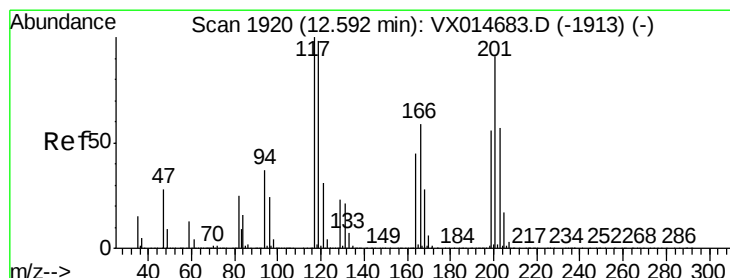
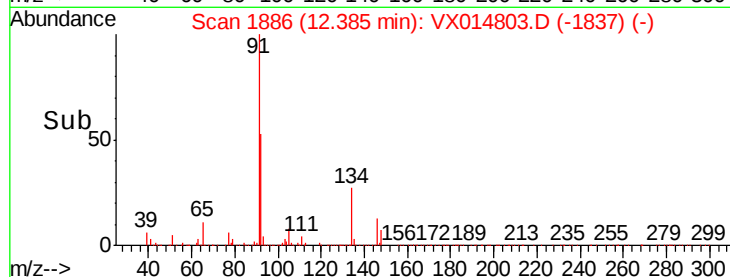
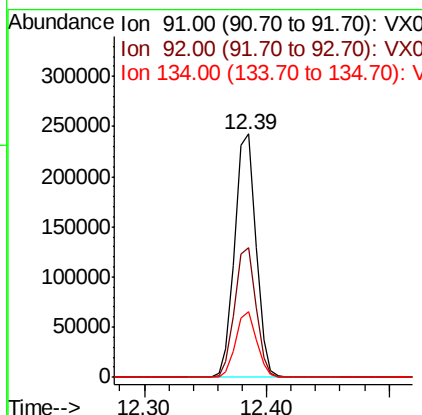
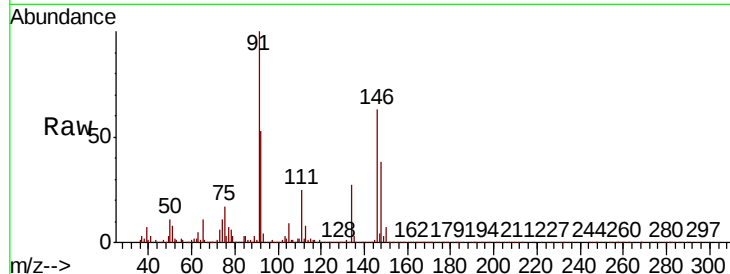




#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

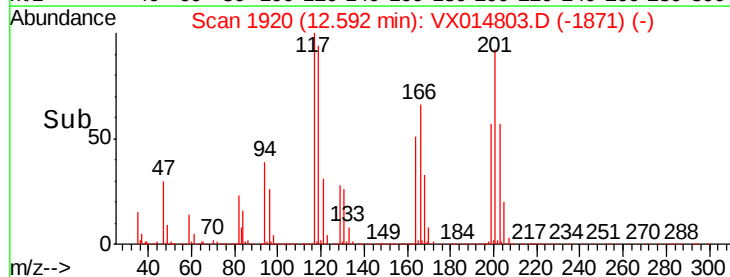
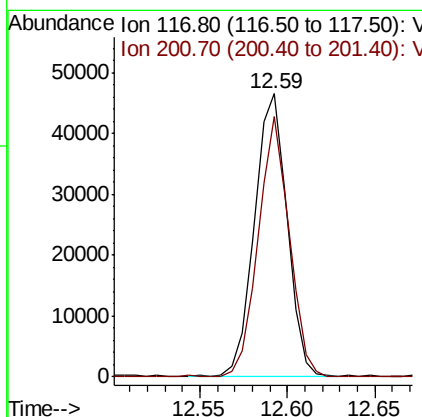
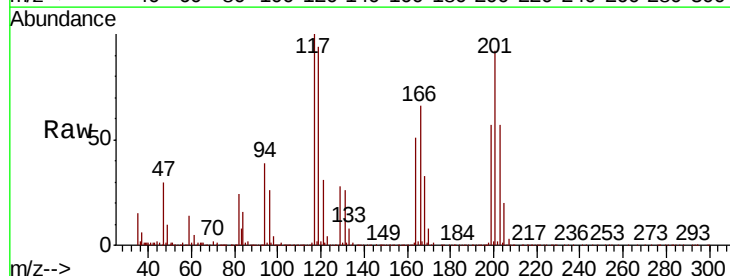
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

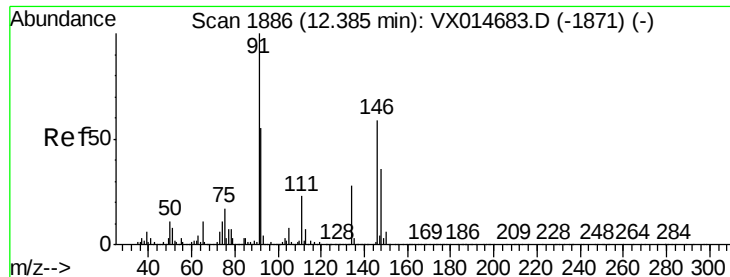
Tot Ion: 91 Resp: 291970
Ion Ratio Lower Upper
91 100
92 53.5 27.6 82.7
134 26.5 13.3 39.8



#90
Hexachloroethane
Concen: 18.783 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion: 117 Resp: 60255
Ion Ratio Lower Upper
117 100
201 87.4 44.4 133.1





#91

1,2-Dichlorobenzene

Concen: 19.744 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

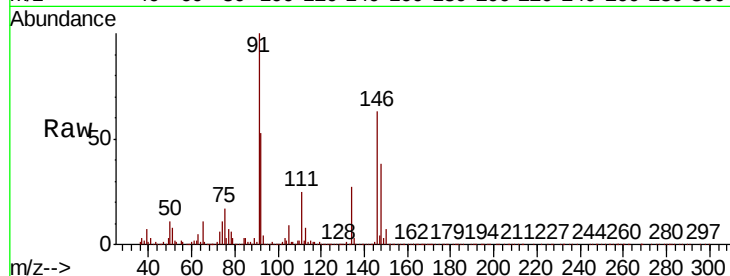
Tot Ion:146 Resp: 185183

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.8

148 63.2 31.9 95.9

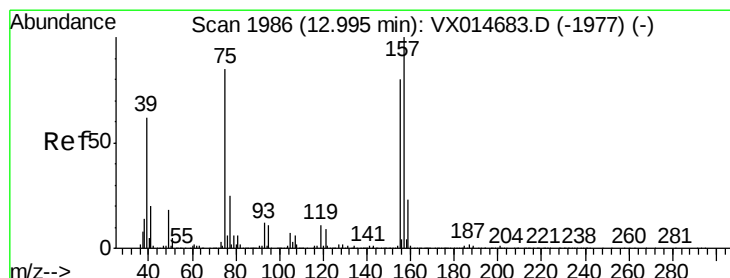
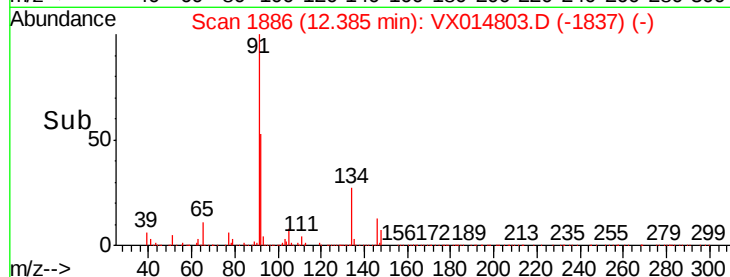
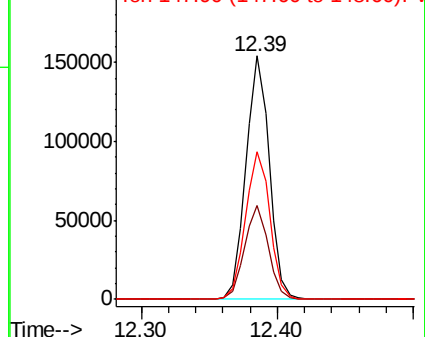


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.220 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014803.D

Acq: 04 Feb 2020 12:52

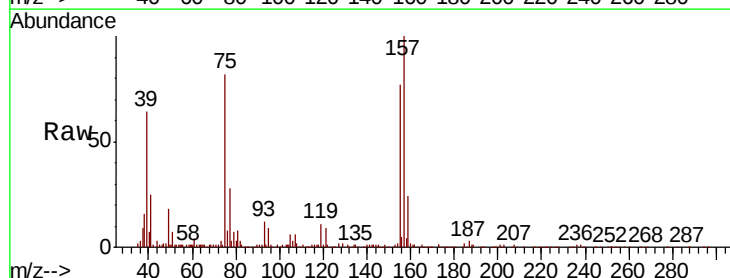
Tgt Ion: 75 Resp: 28839

Ion Ratio Lower Upper

75 100

155 89.9 45.6 136.9

157 118.2 60.3 180.9

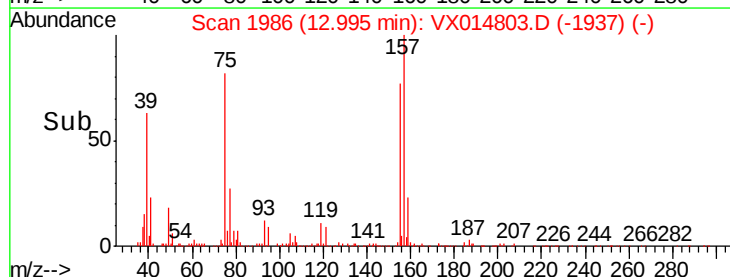
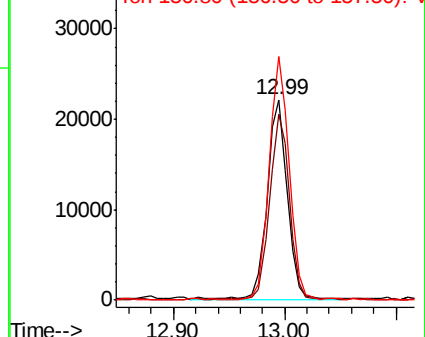


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

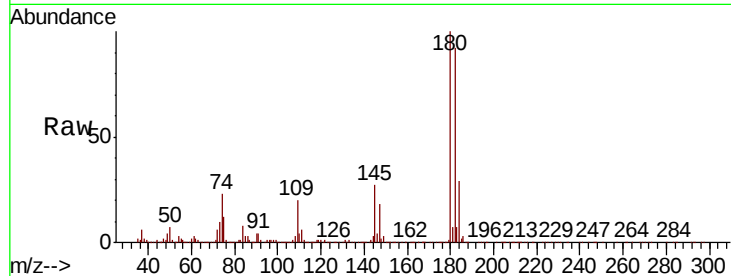




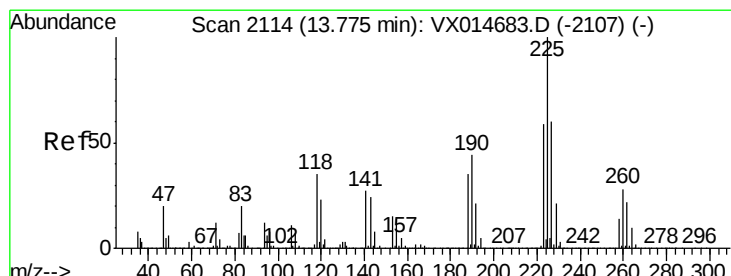
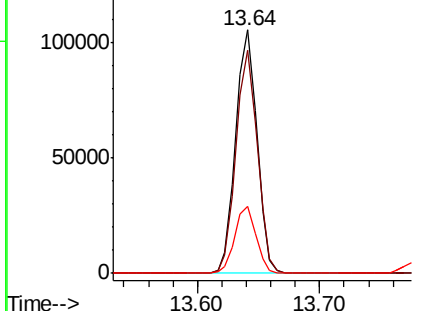
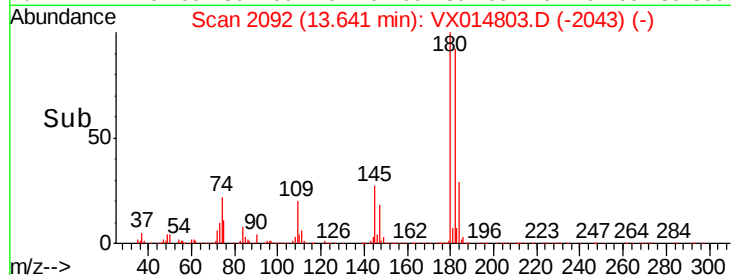
#93
 1,2,4-Trichlorobenzene
 Concen: 20.989 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	48.5	145.6
145	27.7	14.0	41.9

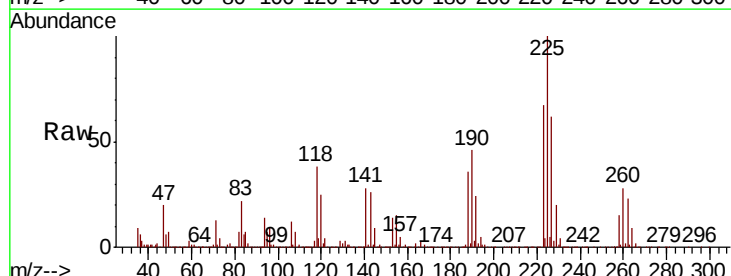


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

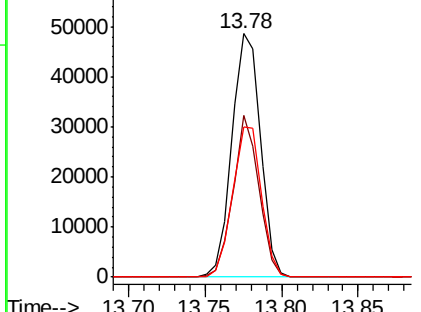
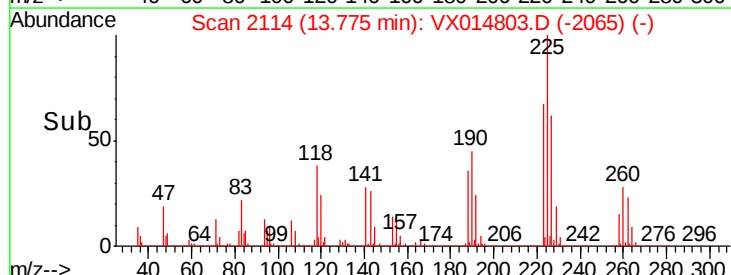


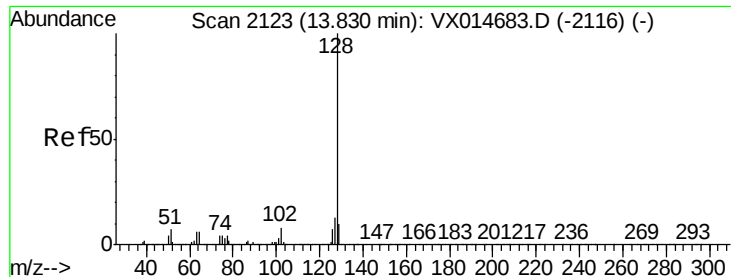
#94
 Hexachlorobutadiene
 Concen: 20.180 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014803.D
 Acq: 04 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.6	91.8
227	62.6	31.4	94.0



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

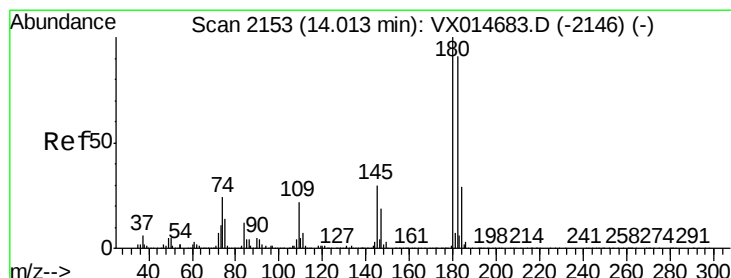
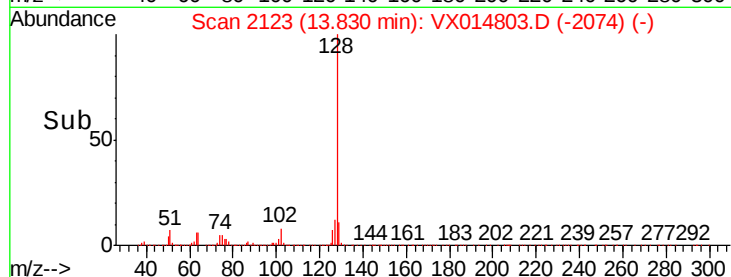
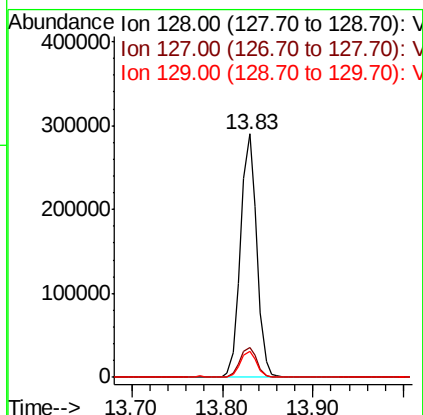
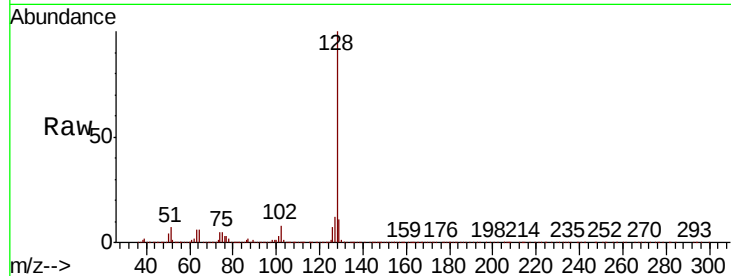




#95
Naphthalene
Concen: 19.012 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.257 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014803.D
Acq: 04 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.7
145	30.0	14.7	44.1

