

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX123119\
 Data File : VX014380.D
 Acq On : 31 Dec 2019 15:17
 Operator : JC/SP
 Sample : VX1231MBSD01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

Quant Time: Jan 01 03:18:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	465736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	728143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	649376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	321167	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	265795	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
35) Dibromofluoromethane	5.49	113	220905	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.71	98	854985	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.13	95	304579	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	66230	15.895	ug/l 98
3) Chloromethane	1.32	50	95660	17.108	ug/l 100
4) Vinyl Chloride	1.40	62	103554	17.551	ug/l 99
5) Bromomethane	1.63	94	60565	14.463	ug/l 98
6) Chloroethane	1.72	64	70566	19.378	ug/l 95
7) Trichlorofluoromethane	1.92	101	134560	18.423	ug/l 100
8) Diethyl Ether	2.18	74	66449	19.385	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81863	18.593	ug/l 99
10) Methyl Iodide	2.50	142	86582	16.751	ug/l 99
11) Tert butyl alcohol	3.03	59	118934	104.277	ug/l 97
12) 1,1-Dichloroethene	2.37	96	83403	18.616	ug/l 99
13) Acrolein	2.28	56	56361	86.325	ug/l 100
14) Allyl chloride	2.72	41	154481	19.312	ug/l 99
15) Acrylonitrile	3.13	53	277527	104.250	ug/l 99
16) Acetone	2.43	43	297250	86.741	ug/l 97
17) Carbon Disulfide	2.56	76	189011	15.719	ug/l 99
18) Methyl Acetate	2.76	43	141254	20.802	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	296128	20.115	ug/l 99
20) Methylene Chloride	2.85	84	102459	18.987	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	88872	18.006	ug/l 100
22) Diisopropyl ether	3.84	45	330888	20.758	ug/l 96
23) Vinyl Acetate	3.80	43	1299233	99.879	ug/l 99
24) 1,1-Dichloroethane	3.69	63	169720	19.138	ug/l 98
25) 2-Butanone	4.66	43	411460	97.389	ug/l 97
26) 2,2-Dichloropropane	4.57	77	125553	18.234	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	106147	19.016	ug/l 99
28) Bromochloromethane	5.00	49	75787	22.473	ug/l 95
29) Tetrahydrofuran	5.12	42	243156	102.897	ug/l 99
30) Chloroform	5.20	83	167736	19.952	ug/l 100
31) Cyclohexane	5.58	56	145596	18.459	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	136830	19.097	ug/l 100
36) 1,1-Dichloropropene	5.79	75	120688	18.064	ug/l 98
37) Ethyl Acetate	4.82	43	148990	20.194	ug/l 99
38) Carbon Tetrachloride	5.78	117	112225	18.439	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143796	17.431	ug/l	99
40) Benzene	6.14	78	383760	18.668	ug/l	99
41) Methacrylonitrile	5.03	41	80888	19.760	ug/l	98
42) 1,2-Dichloroethane	6.18	62	133905	19.216	ug/l	99
43) Isopropyl Acetate	6.43	43	244378	20.015	ug/l	99
44) Trichloroethene	7.21	130	104509	18.406	ug/l	98
45) 1,2-Dichloropropane	7.51	63	103718	19.685	ug/l	94
46) Dibromomethane	7.65	93	65136	18.698	ug/l	99
47) Bromodichloromethane	7.89	83	120219	18.324	ug/l	97
48) Methyl methacrylate	7.76	41	117134	19.591	ug/l	98
49) 1,4-Dioxane	7.73	88	47987	394.397	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	767500	100.090	ug/l	99
52) Toluene	8.78	92	241296	18.571	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	131097	18.223	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	150283	18.751	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101066	19.407	ug/l	98
56) Ethyl methacrylate	9.17	69	156991	19.191	ug/l	100
57) 1,3-Dichloropropane	9.37	76	171233	19.543	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	314542	101.605	ug/l	100
59) 2-Hexanone	9.48	43	587672	95.203	ug/l	99
60) Dibromochloromethane	9.57	129	97236	18.784	ug/l	97
61) 1,2-Dibromoethane	9.67	107	103350	19.397	ug/l	99
64) Tetrachloroethene	9.33	164	118797	20.674	ug/l	98
65) Chlorobenzene	10.14	112	260886	18.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	94346	19.137	ug/l	99
67) Ethyl Benzene	10.25	91	454070	19.128	ug/l	98
68) m/p-Xylenes	10.35	106	339193	37.152	ug/l	98
69) o-Xylene	10.70	106	169935	18.978	ug/l	99
70) Styrene	10.71	104	282043	18.627	ug/l	98
71) Bromoform	10.85	173	72143	18.205	ug/l #	99
73) Isopropylbenzene	11.01	105	445743	19.712	ug/l	100
74) N-amyl acetate	10.89	43	200269	18.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	152231	19.418	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	169243	24.273	ug/l	89
77) Bromobenzene	11.25	156	113275	18.207	ug/l	98
78) n-propylbenzene	11.35	91	493172	19.444	ug/l	100
79) 2-Chlorotoluene	11.42	91	301492	19.554	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	363131	19.081	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	44587	18.049	ug/l	94
82) 4-Chlorotoluene	11.51	91	342881	19.172	ug/l	98
83) tert-Butylbenzene	11.76	119	346549	18.712	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	367924	19.305	ug/l	99
85) sec-Butylbenzene	11.94	105	424626	19.422	ug/l	99
86) p-Isopropyltoluene	12.06	119	386253	19.313	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	203747	18.686	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	197898	17.849	ug/l	99
89) n-Butylbenzene	12.39	91	319966	18.750	ug/l	99
90) Hexachloroethane	12.59	117	63141	17.577	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	202894	18.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30586	17.630	ug/l	96

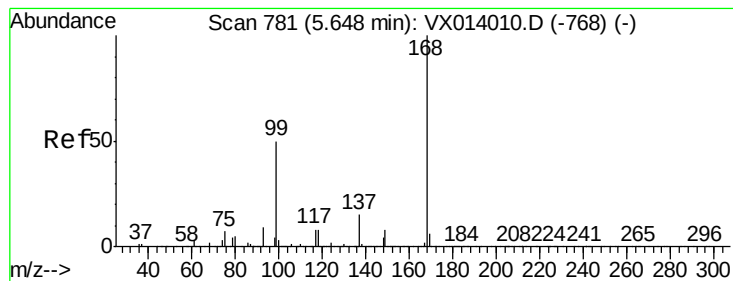
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	132822	18.617	ug/l	98
94) Hexachlorobutadiene	13.78	225	63004	18.375	ug/l	98
95) Naphthalene	13.83	128	417107	19.899	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135563	19.249	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

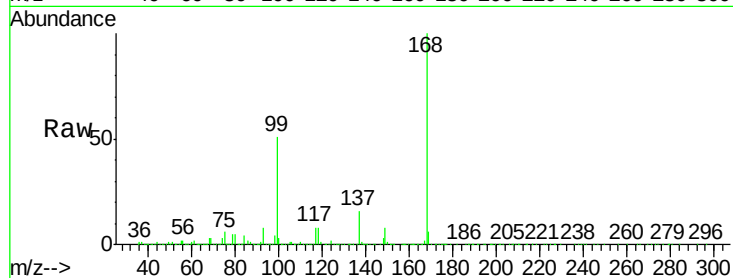
VX1231MBSD01

Tgt Ion: 168 Resp: 465736

Ion Ratio Lower Upper

168 100

99 50.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

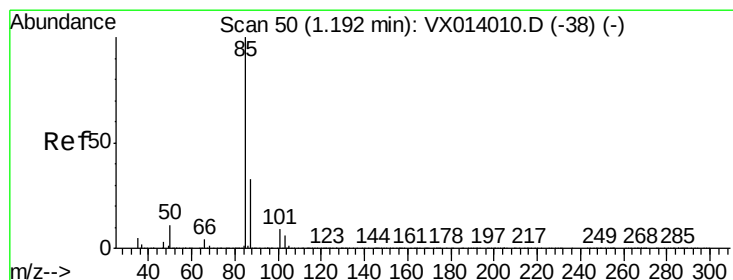
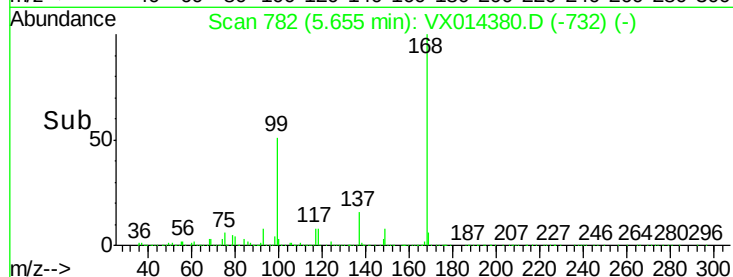
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.895 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014380.D

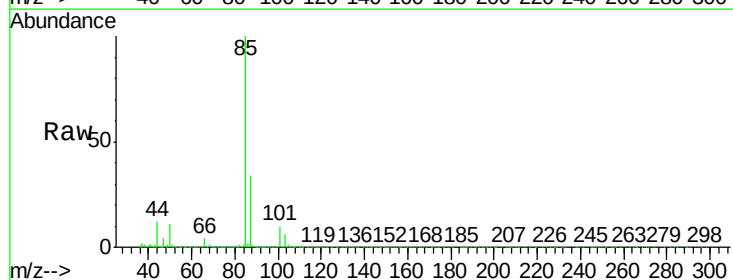
Acq: 31 Dec 2019 15:17

Tgt Ion: 85 Resp: 66230

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

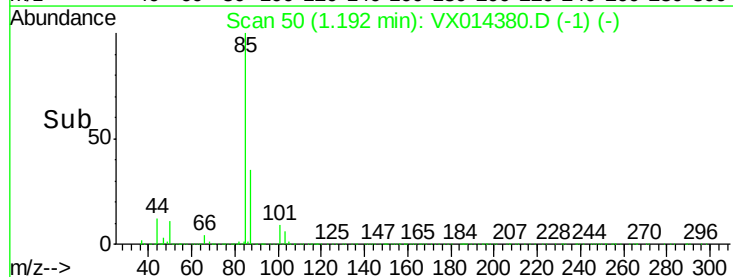
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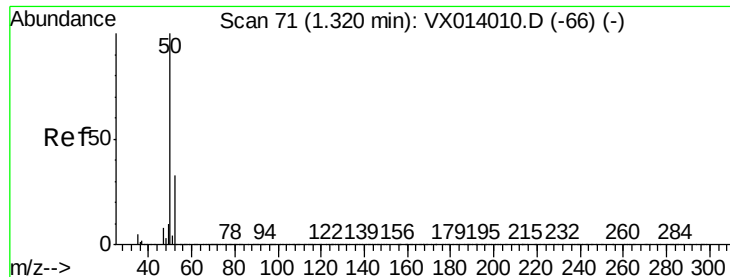
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20000

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Time-->





#3

Chloromethane

Concen: 17.108 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

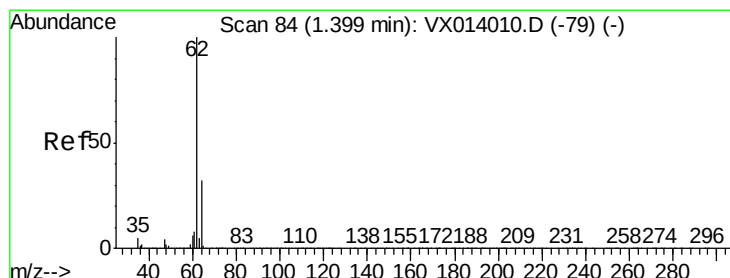
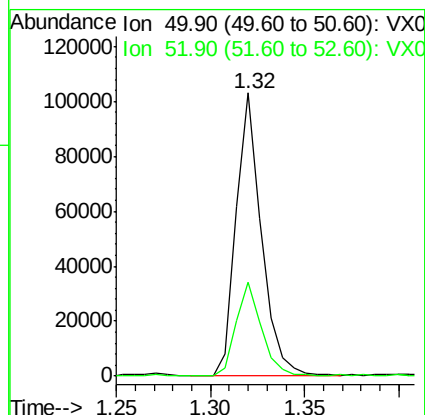
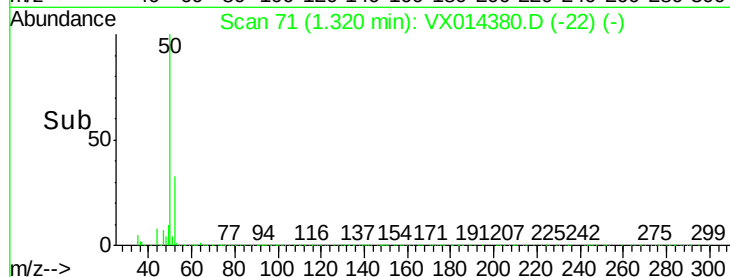
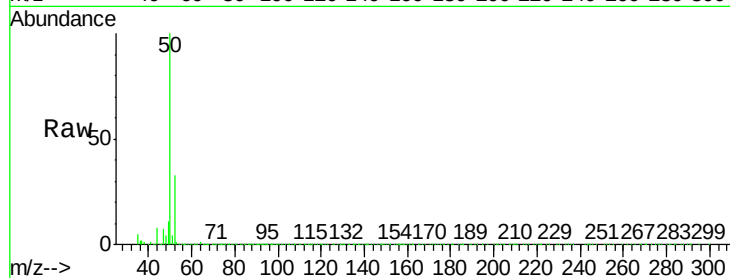
VX1231MBSD01

Tgt Ion: 50 Resp: 95660

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 17.551 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014380.D

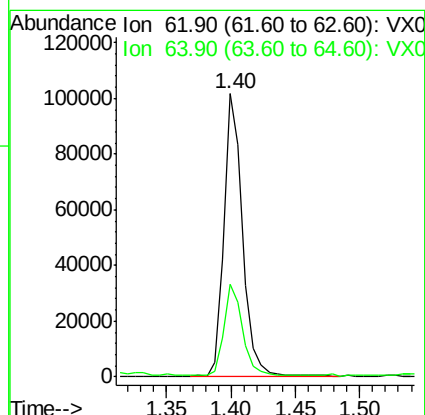
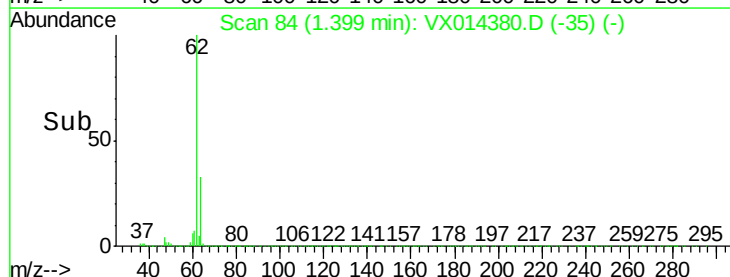
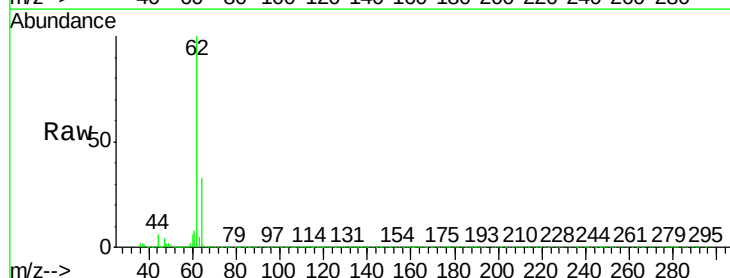
Acq: 31 Dec 2019 15:17

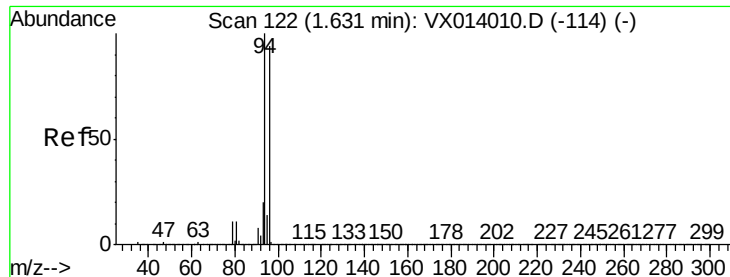
Tgt Ion: 62 Resp: 103554

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 14.463 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

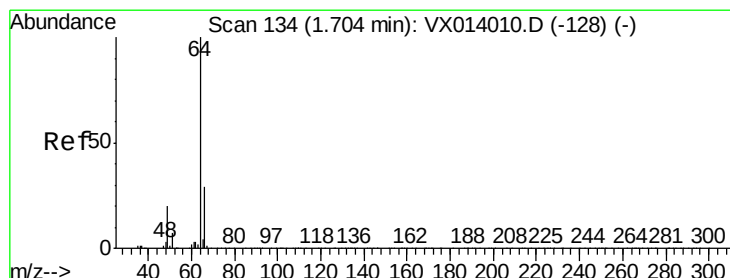
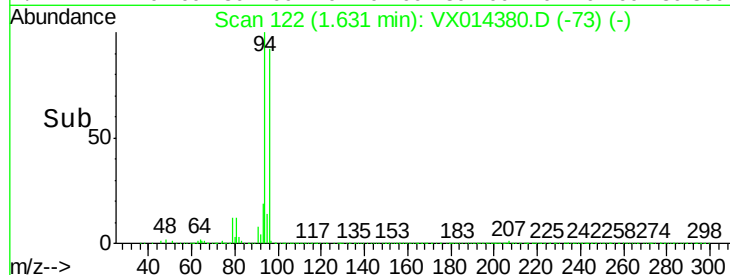
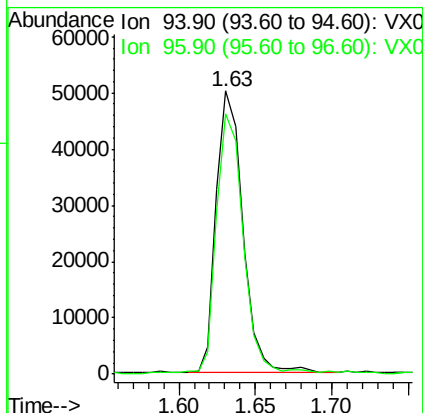
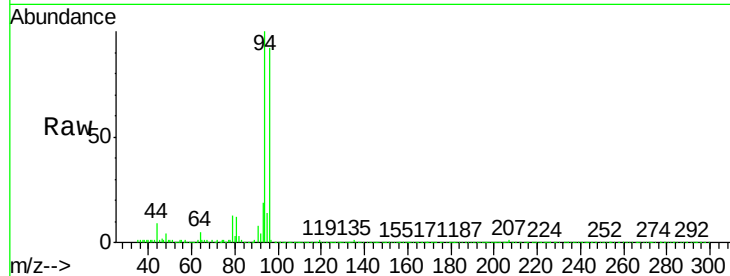
VX1231MBSD01

Tgt Ion: 94 Resp: 60565

Ion Ratio Lower Upper

94 100

96 92.0 75.2 112.8



#6

Chloroethane

Concen: 19.378 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014380.D

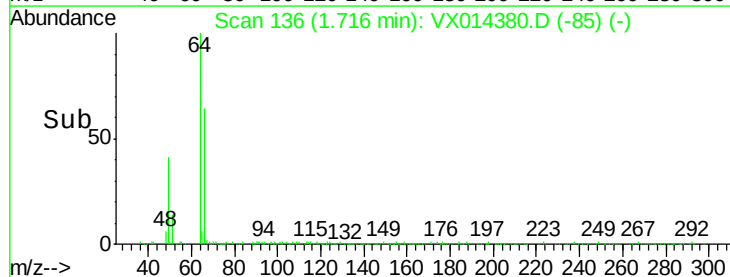
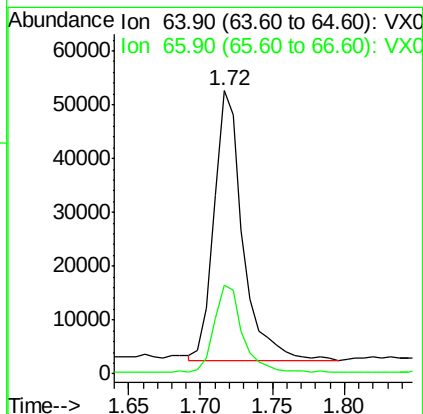
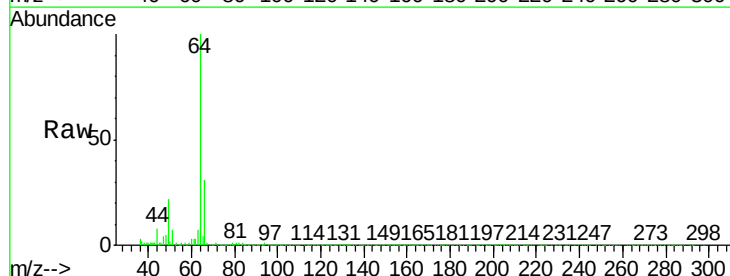
Acq: 31 Dec 2019 15:17

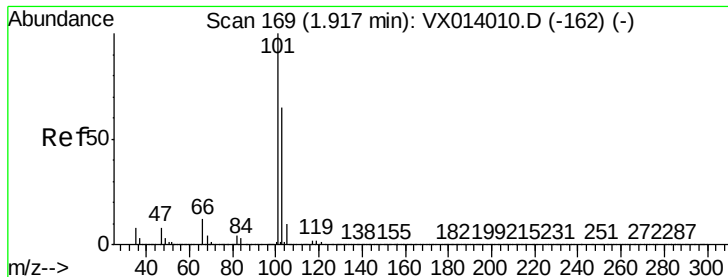
Tgt Ion: 64 Resp: 70566

Ion Ratio Lower Upper

64 100

66 32.2 23.4 35.2



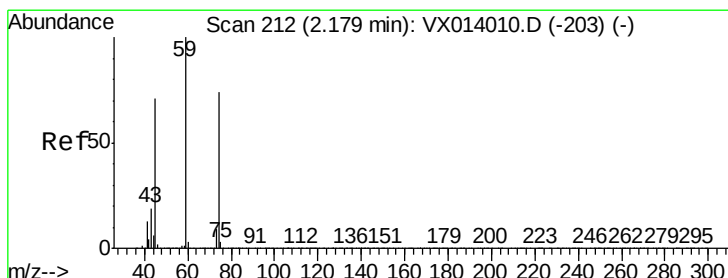
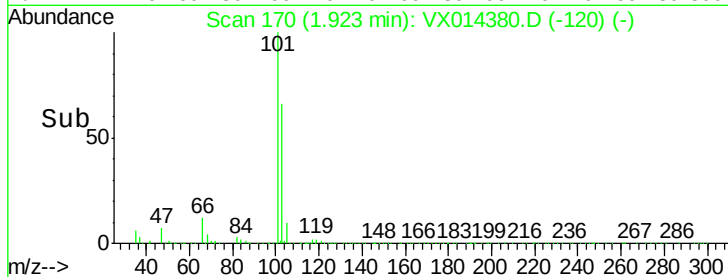
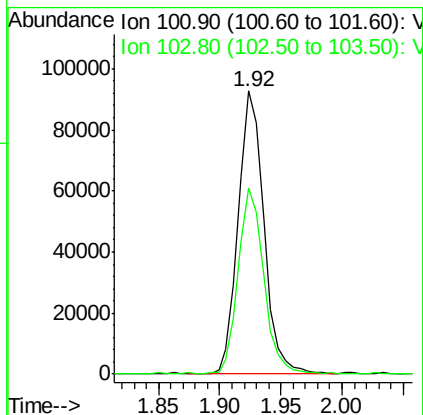
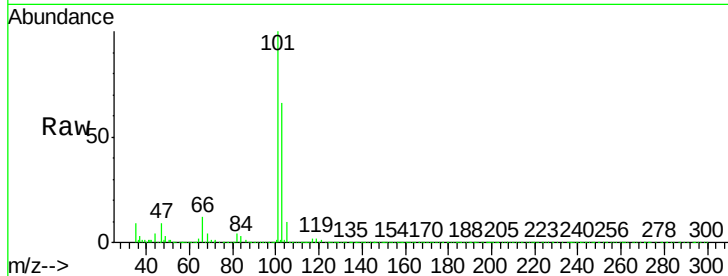


#7

Trichlorofluoromethane
Concen: 18.423 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

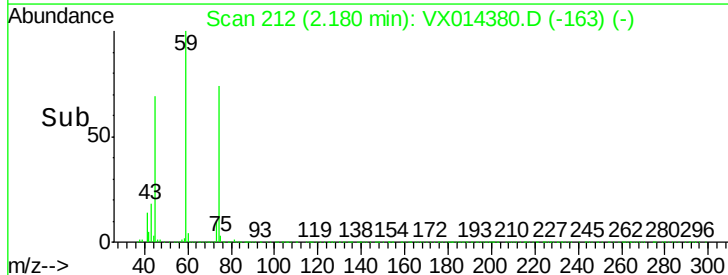
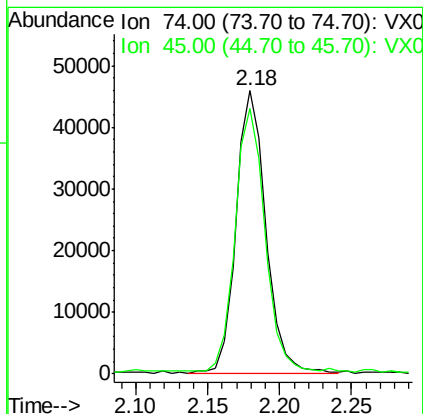
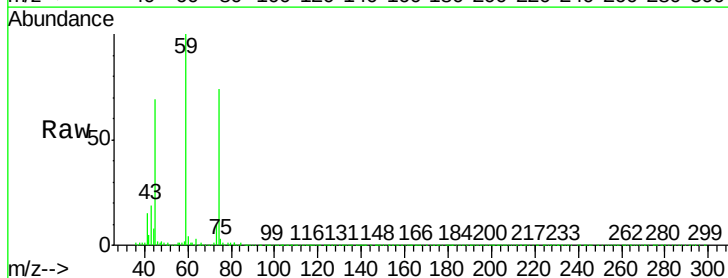
Tgt Ion:101 Resp: 134560
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

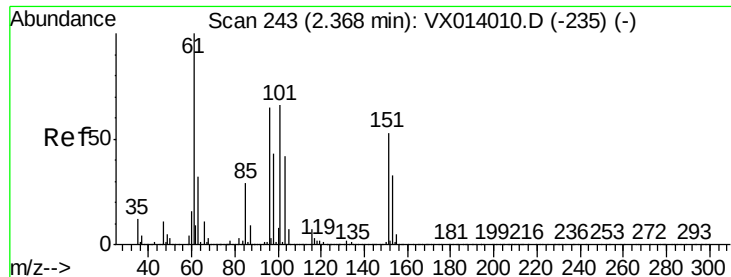


#8

Diethyl Ether
Concen: 19.385 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 74 Resp: 66449
Ion Ratio Lower Upper
74 100
45 93.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.593 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBS01

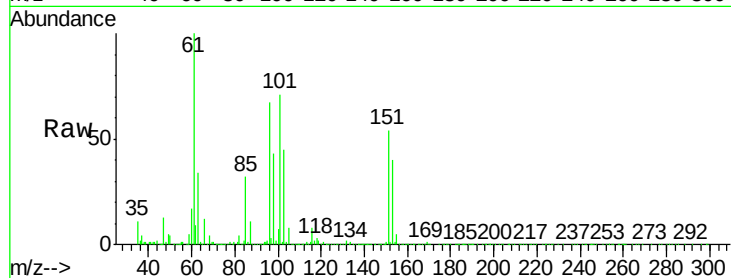
Tgt Ion:101 Resp: 81863

Ion Ratio Lower Upper

101 100

85 43.9 33.7 50.5

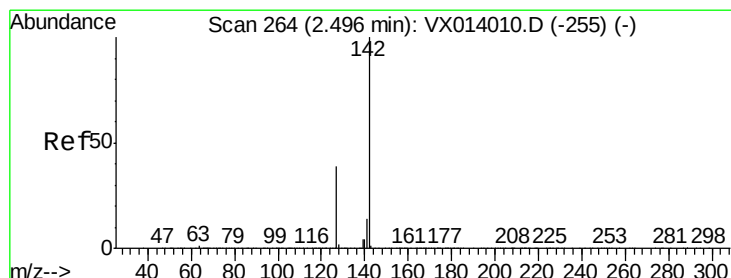
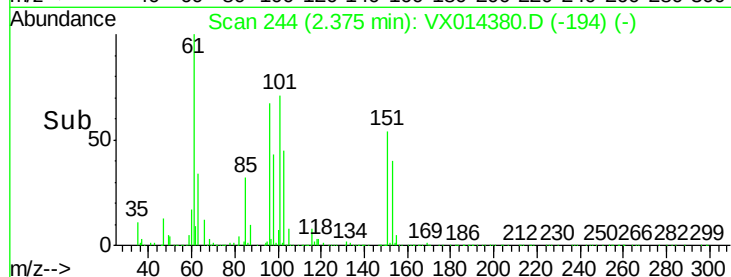
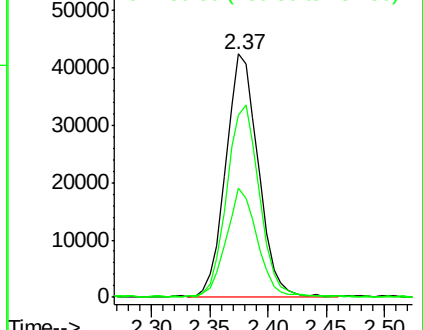
151 79.9 64.5 96.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.751 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

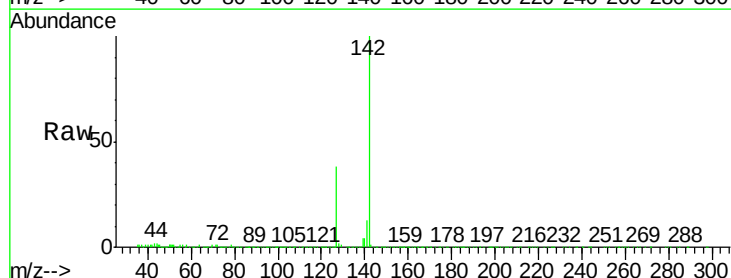
Tgt Ion:142 Resp: 86582

Ion Ratio Lower Upper

142 100

127 38.6 31.6 47.4

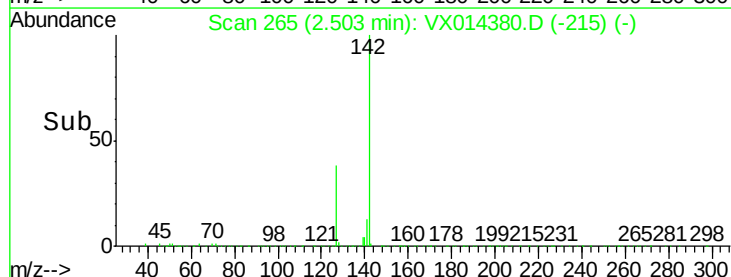
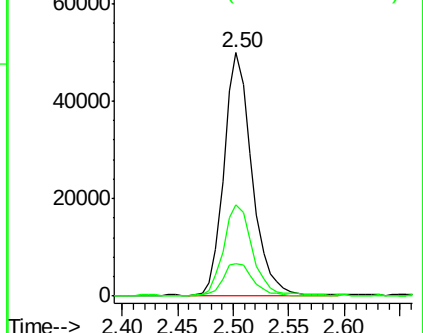
141 15.0 11.6 17.4

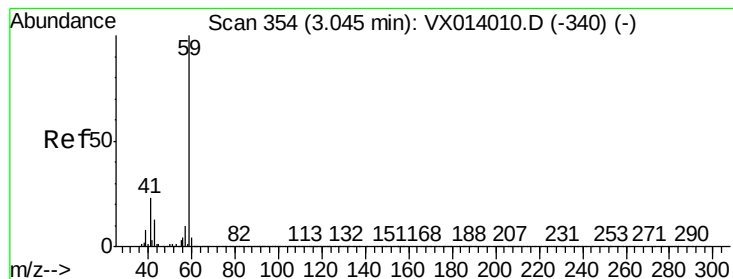


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



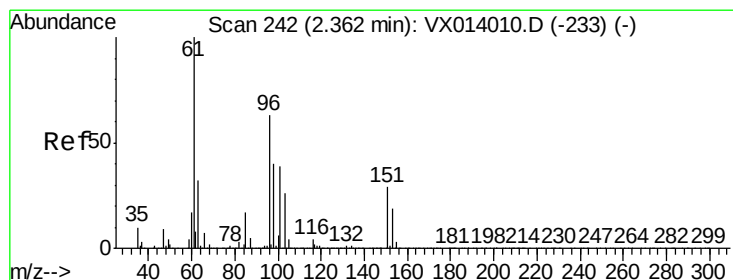
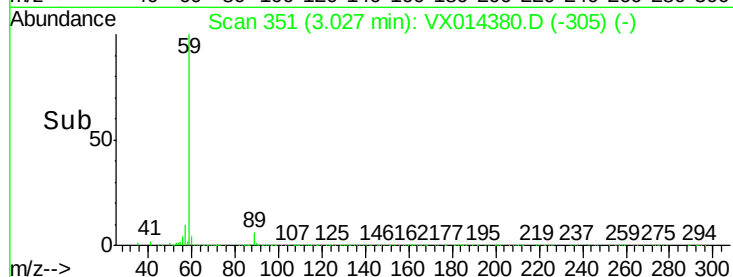
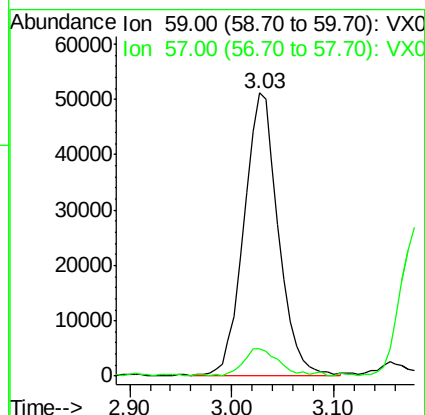
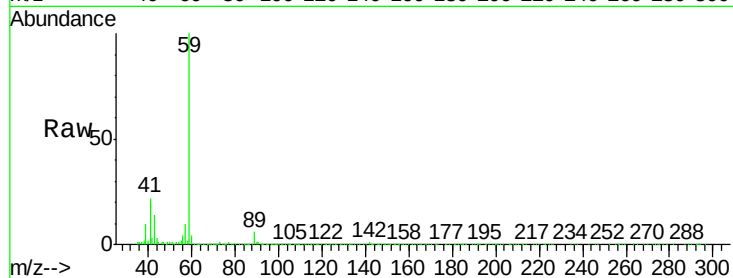


#11

Tert butyl alcohol
Concen: 104.277 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

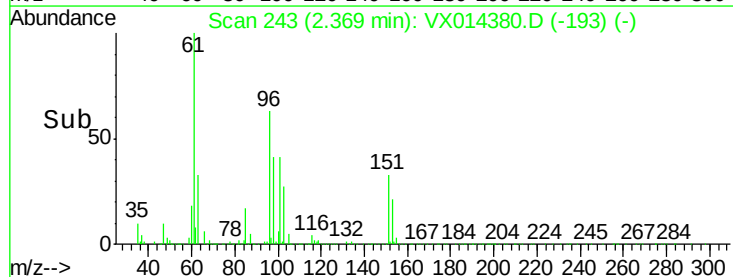
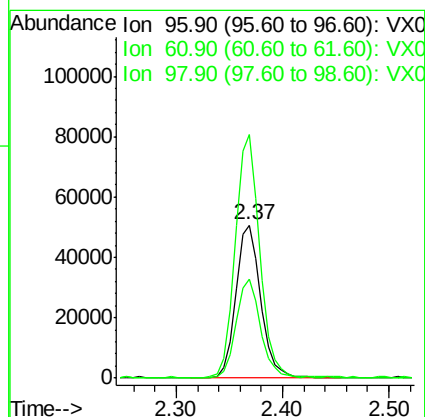
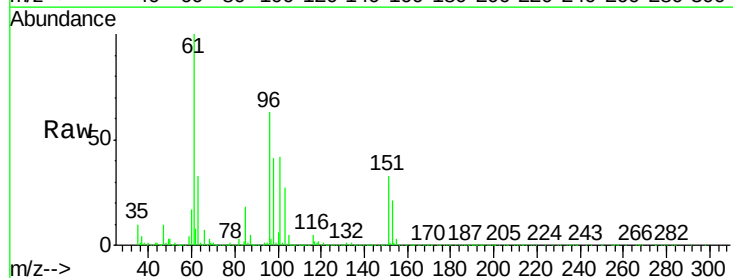
Tgt Ion: 59 Resp: 118934
Ion Ratio Lower Upper
59 100
57 9.4 8.4 12.6

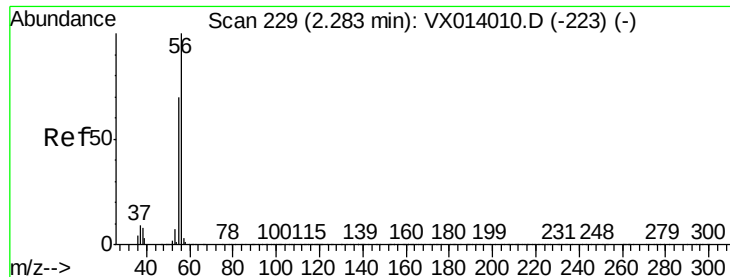


#12

1,1-Dichloroethene
Concen: 18.616 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 96 Resp: 83403
Ion Ratio Lower Upper
96 100
61 158.5 127.9 191.9
98 64.5 50.5 75.7





#13

Acrolein

Concen: 86.325 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

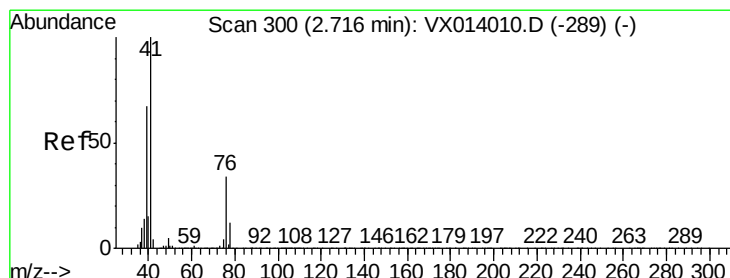
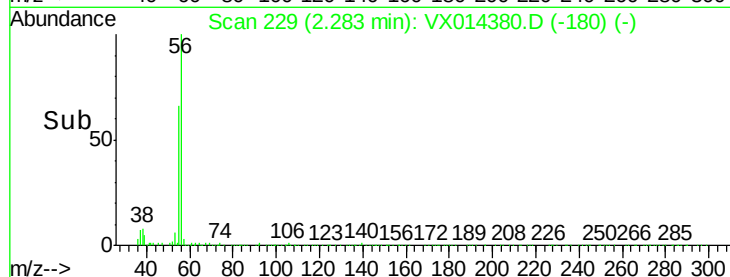
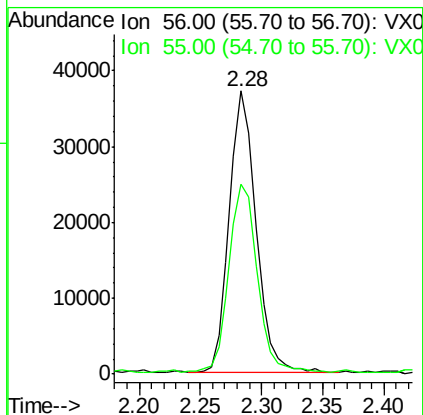
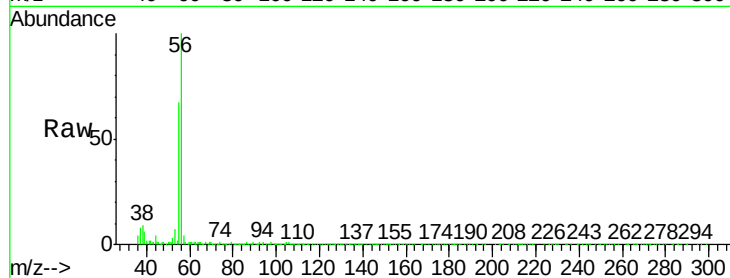
VX1231MBSD01

Tgt Ion: 56 Resp: 56361

Ion Ratio Lower Upper

56 100

55 70.7 56.9 85.3



#14

Allyl chloride

Concen: 19.312 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

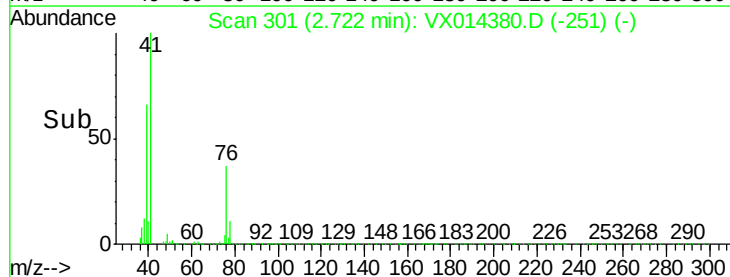
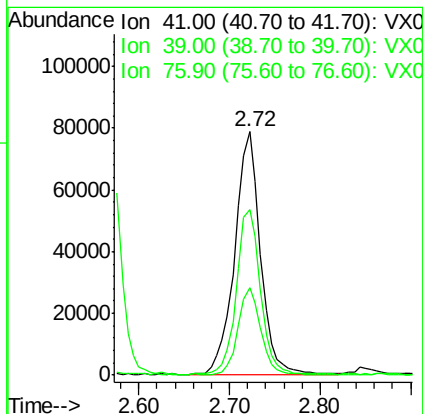
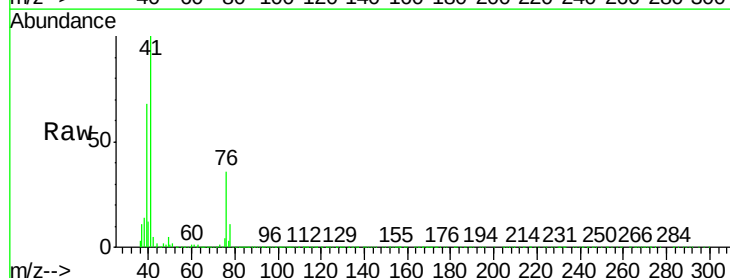
Tgt Ion: 41 Resp: 154481

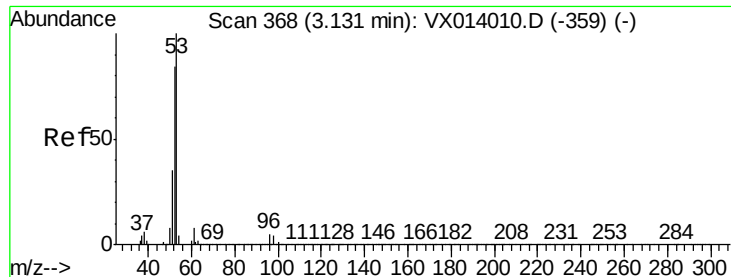
Ion Ratio Lower Upper

41 100

39 64.0 51.8 77.8

76 31.4 25.9 38.9





#15

Acrylonitrile

Concen: 104.250 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

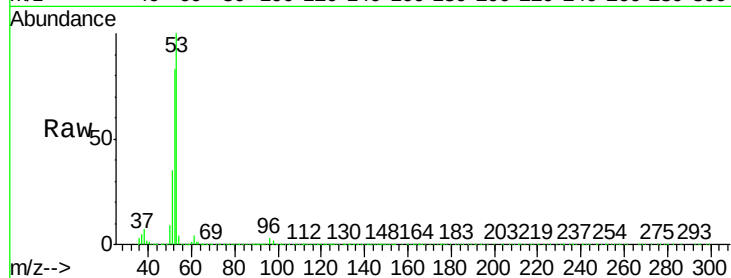
Tgt Ion: 53 Resp: 277527

Ion Ratio Lower Upper

53 100

52 81.6 66.5 99.7

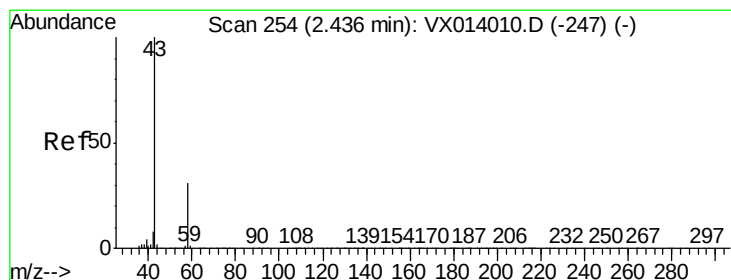
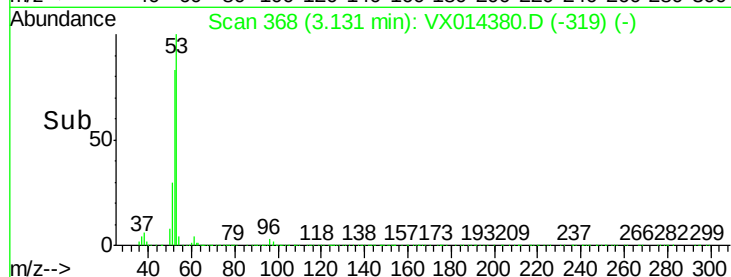
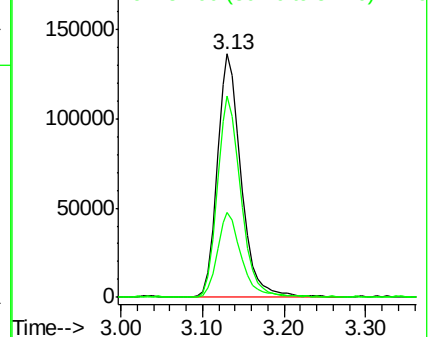
51 34.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 86.741 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014380.D

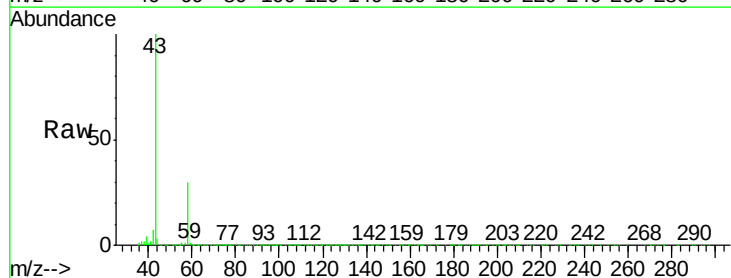
Acq: 31 Dec 2019 15:17

Tgt Ion: 43 Resp: 297250

Ion Ratio Lower Upper

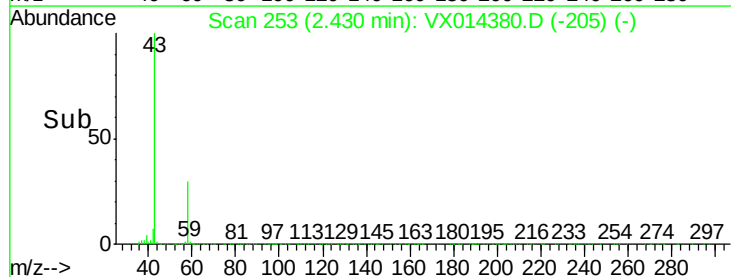
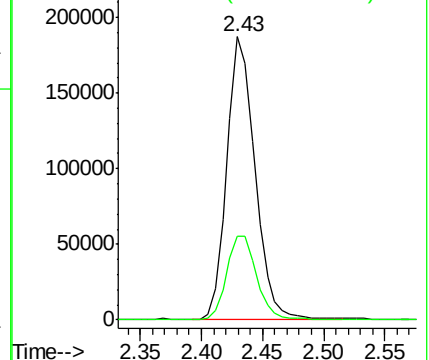
43 100

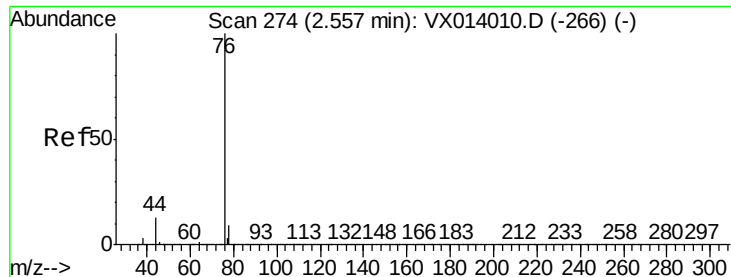
58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.719 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

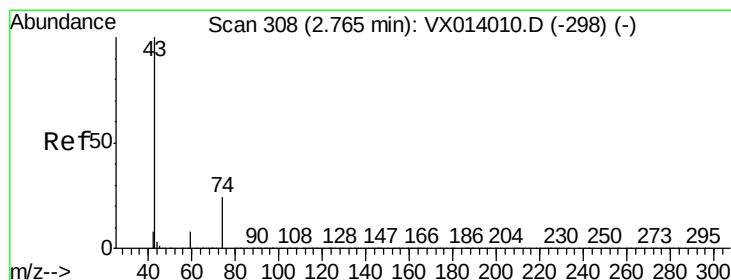
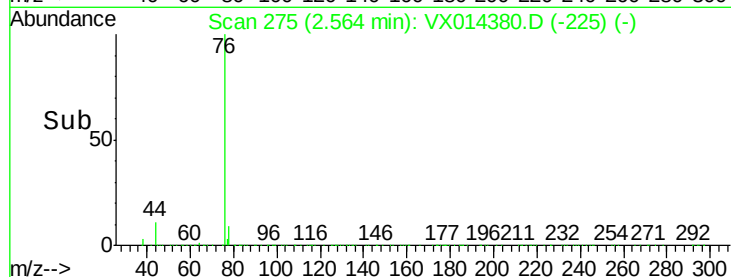
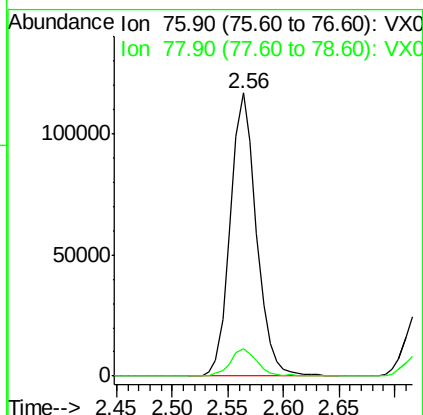
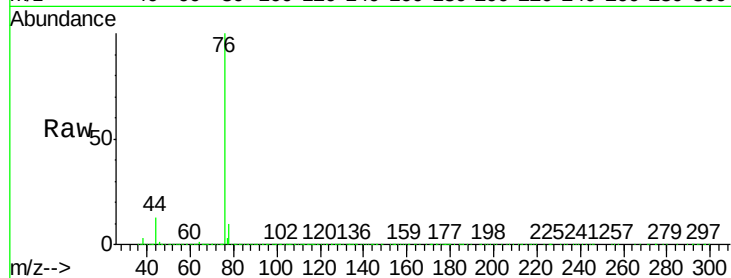
VX1231MBSD01

Tgt Ion: 76 Resp: 189011

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#18

Methyl Acetate

Concen: 20.802 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014380.D

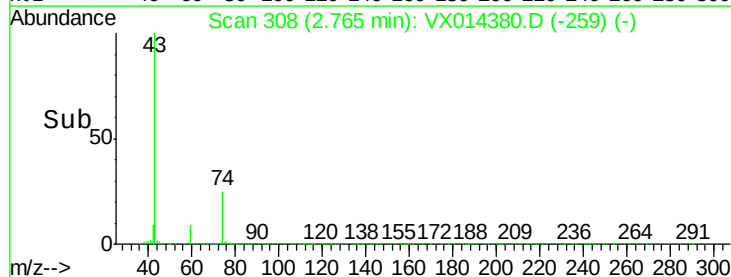
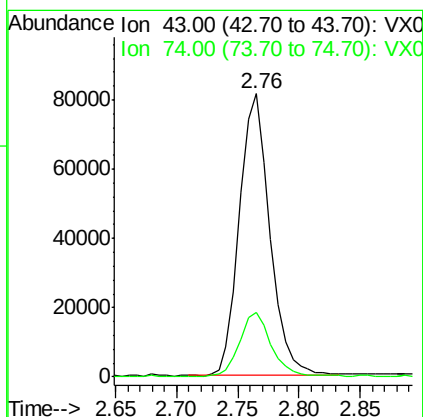
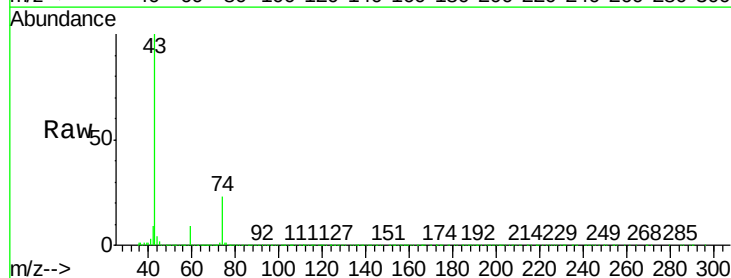
Acq: 31 Dec 2019 15:17

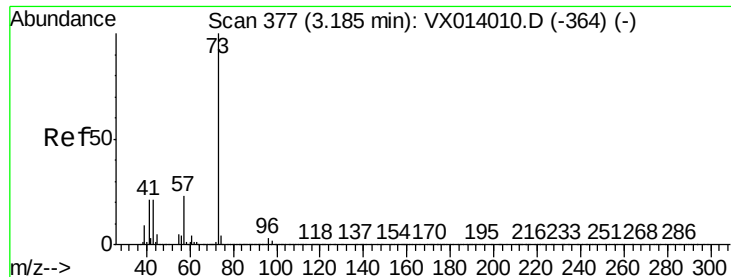
Tgt Ion: 43 Resp: 141254

Ion Ratio Lower Upper

43 100

74 23.6 19.5 29.3





#19

Methyl tert-butyl Ether

Concen: 20.115 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

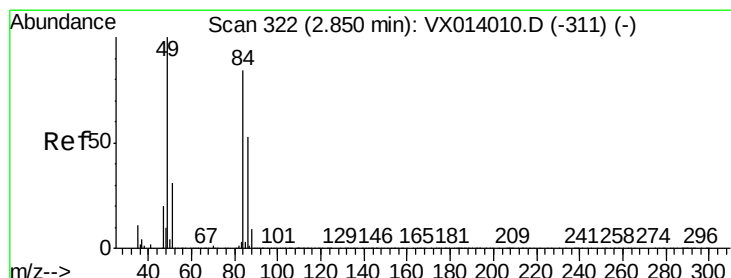
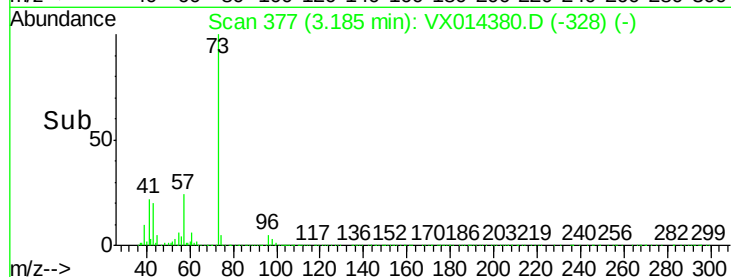
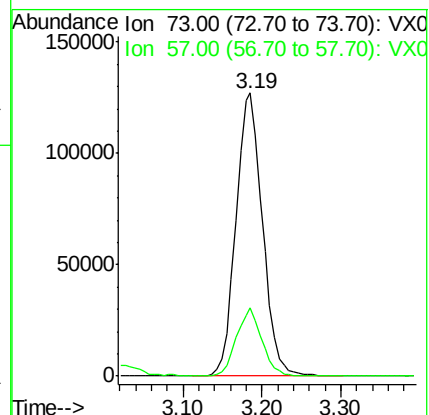
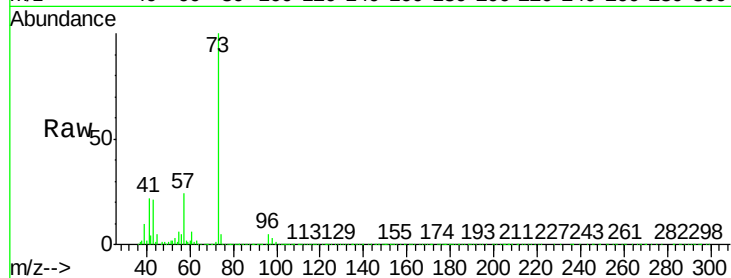
VX1231MBSD01

Tgt Ion: 73 Resp: 296128

Ion Ratio Lower Upper

73 100

57 24.2 18.8 28.2



#20

Methylene Chloride

Concen: 18.987 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Tgt Ion: 84 Resp: 102459

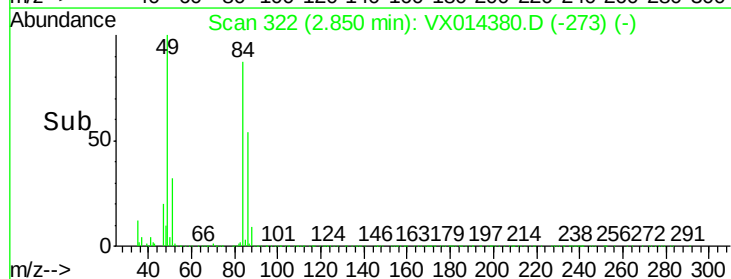
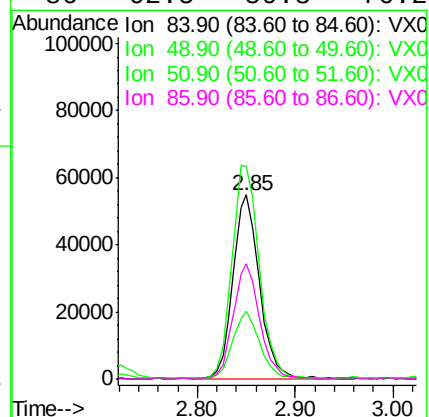
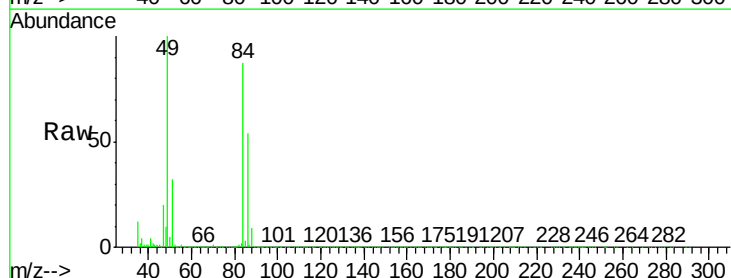
Ion Ratio Lower Upper

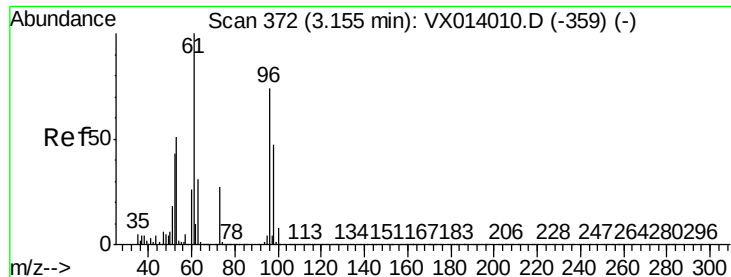
84 100

49 115.1 95.8 143.6

51 36.3 29.8 44.8

86 62.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.006 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

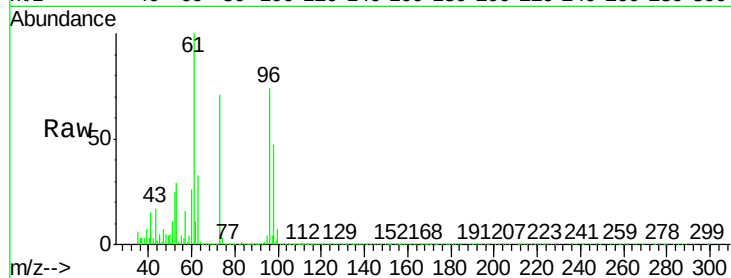
Tgt Ion: 96 Resp: 88872

Ion Ratio Lower Upper

96 100

61 135.4 108.3 162.5

98 63.7 50.8 76.2

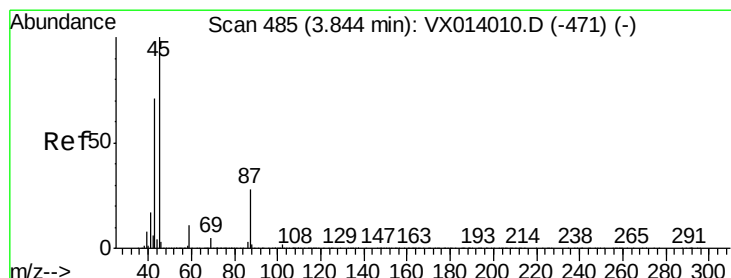
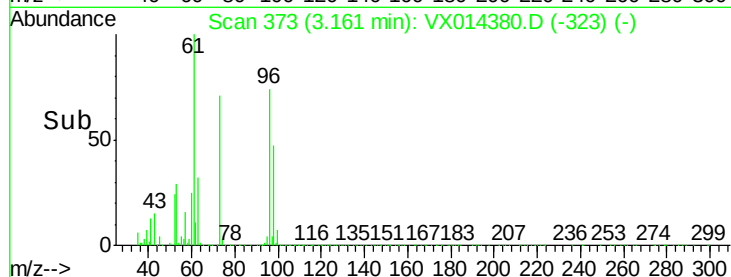
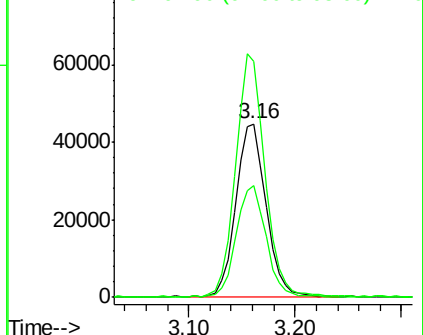


Abundance

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: 20.758 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Tgt Ion: 45 Resp: 330888

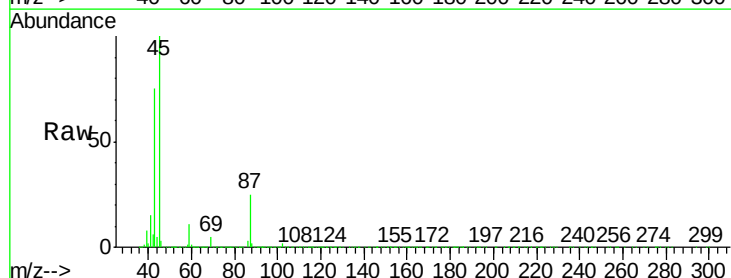
Ion Ratio Lower Upper

45 100

43 75.0 57.4 86.0

87 24.6 21.9 32.9

59 10.9 9.0 13.6



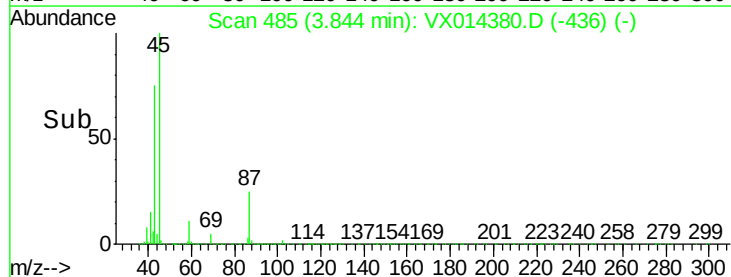
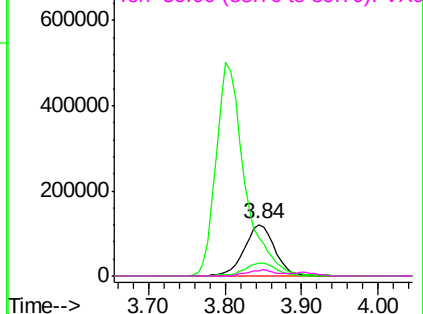
Abundance

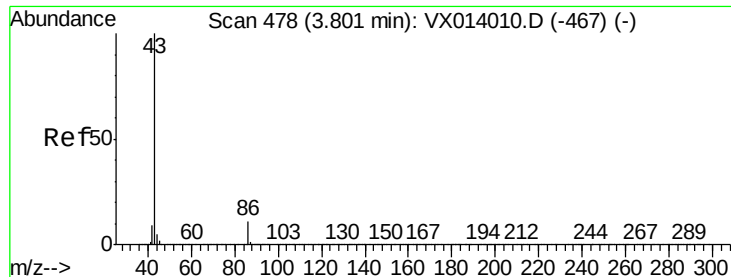
Ion 45.00 (44.70 to 45.70): VX0

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: 99.879 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

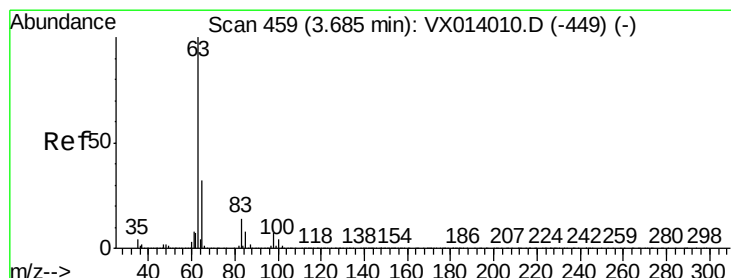
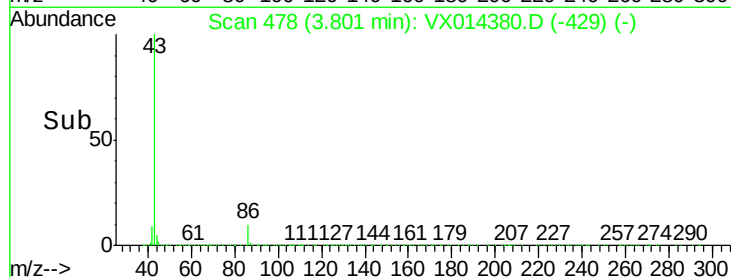
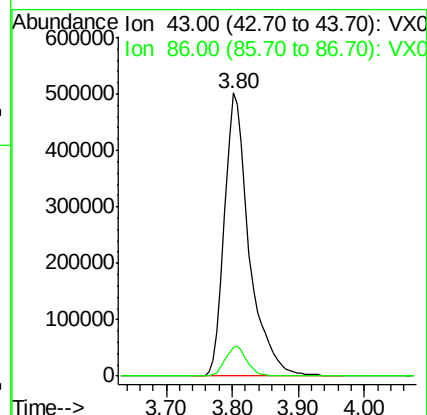
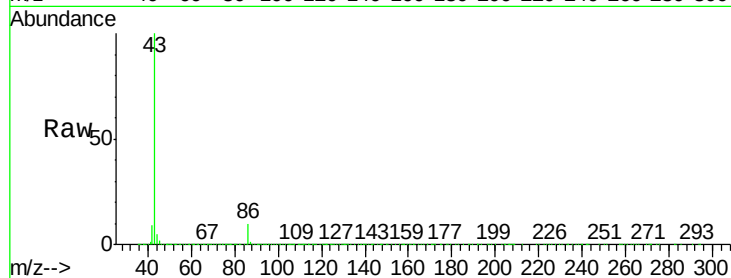
VX1231MBSD01

Tgt Ion: 43 Resp: 1299233

Ion Ratio Lower Upper

43 100

86 10.3 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.138 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

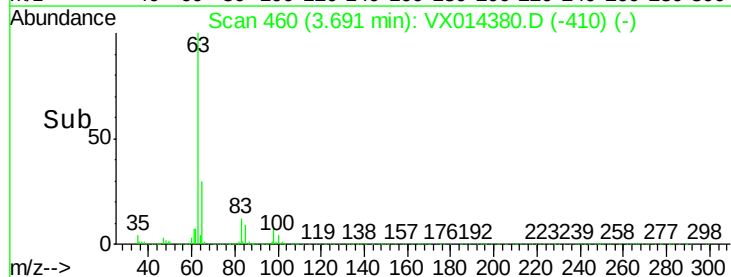
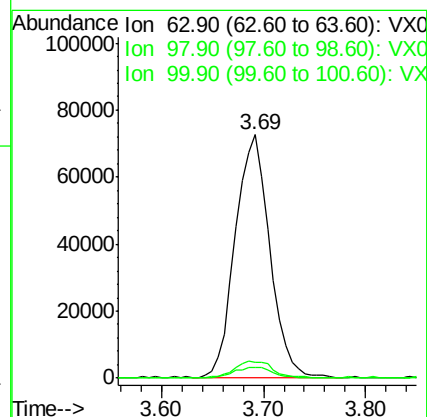
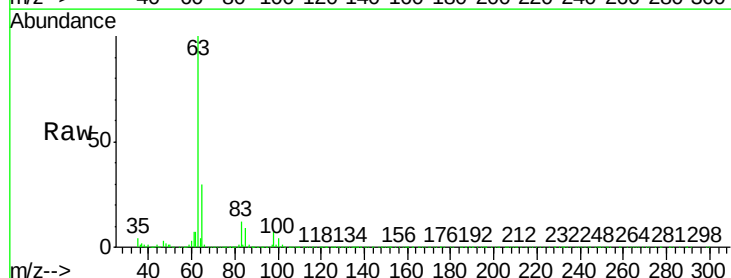
Tgt Ion: 63 Resp: 169720

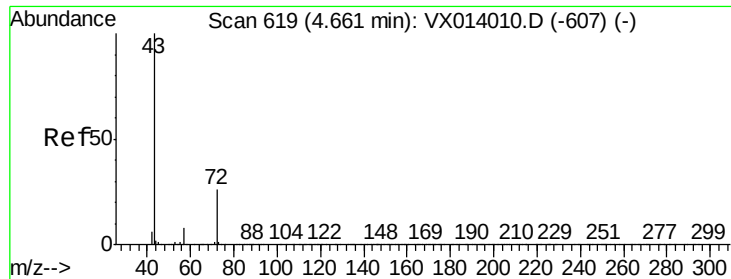
Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.8

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 97.389 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

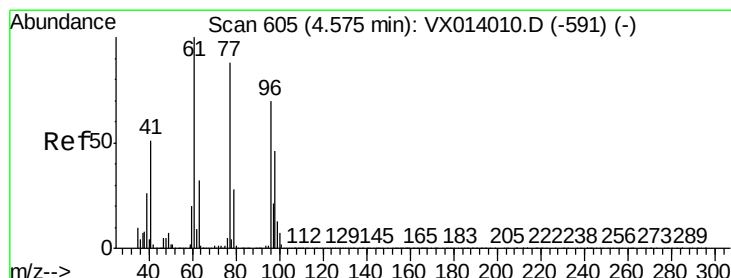
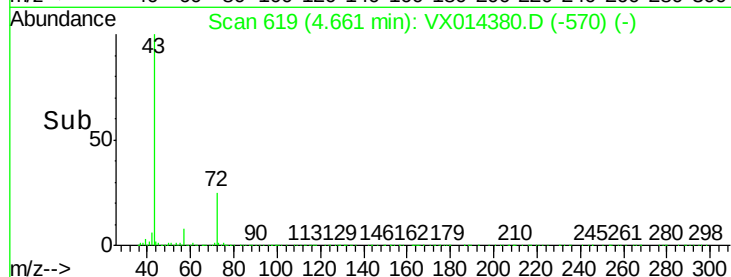
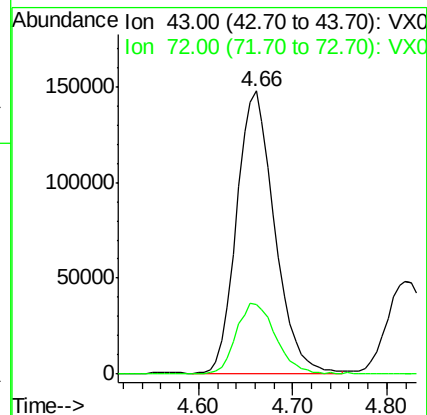
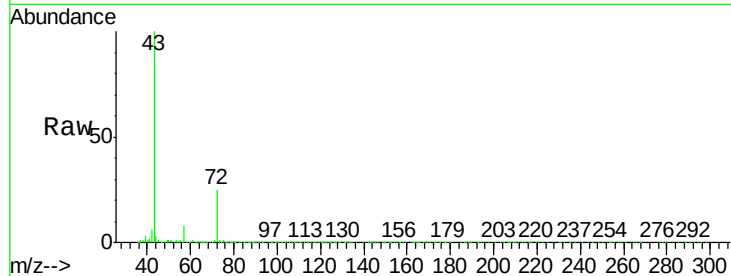
VX1231MBSD01

Tgt Ion: 43 Resp: 411460

Ion Ratio Lower Upper

43 100

72 24.4 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.234 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014380.D

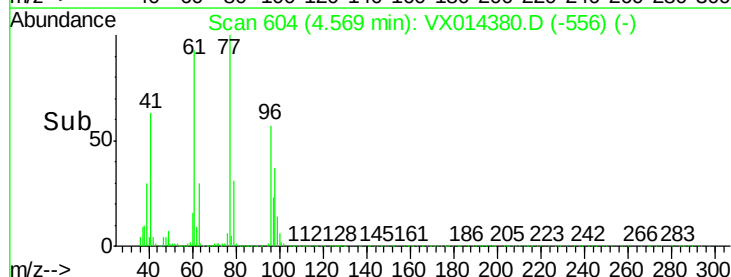
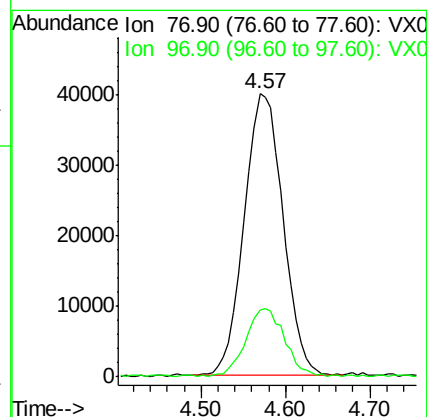
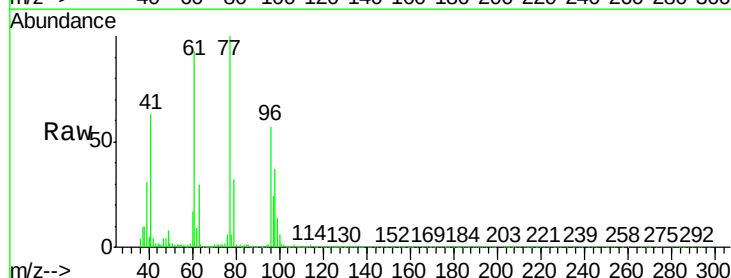
Acq: 31 Dec 2019 15:17

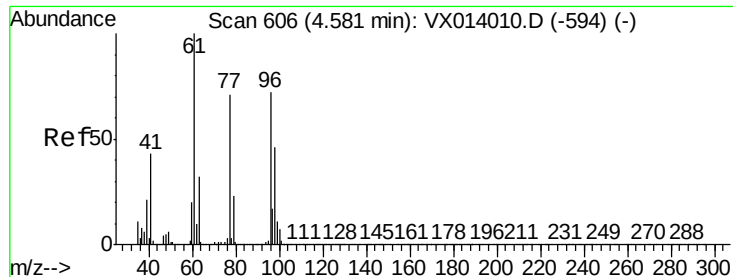
Tgt Ion: 77 Resp: 125553

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9



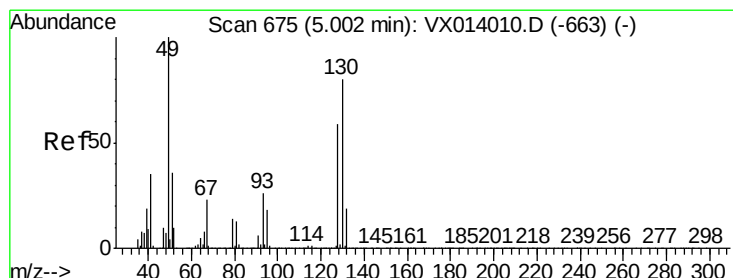
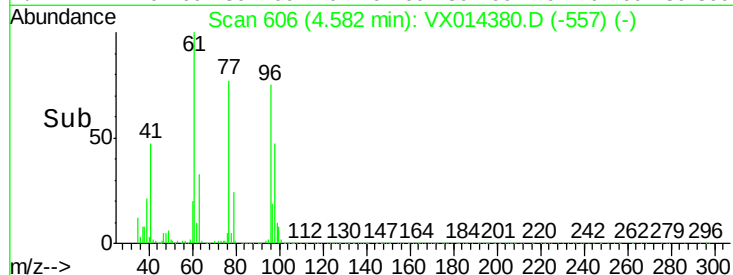
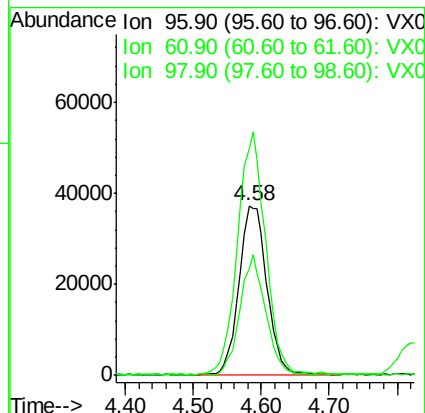
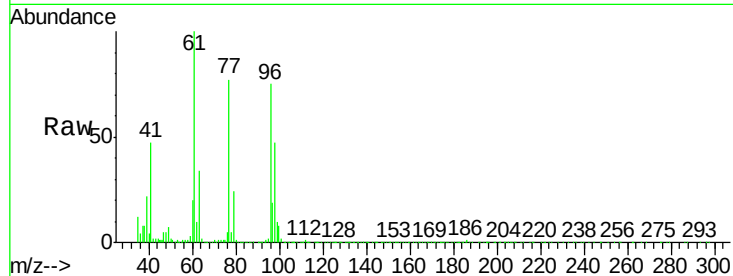


#27

cis-1,2-Dichloroethene
Concen: 19.016 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

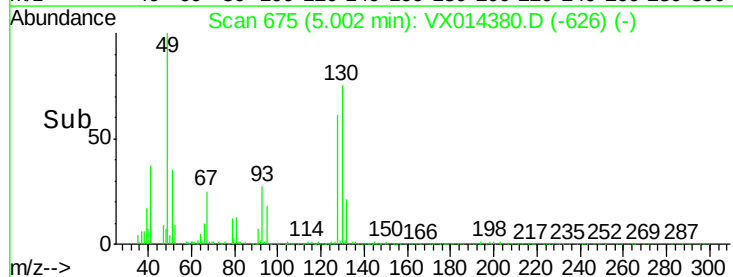
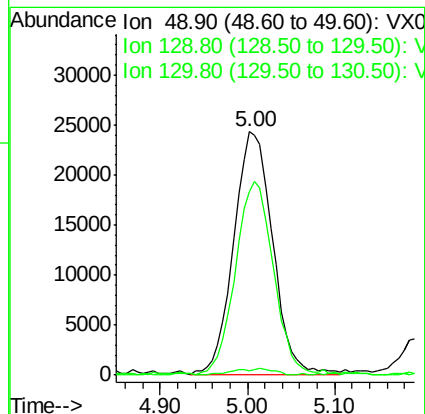
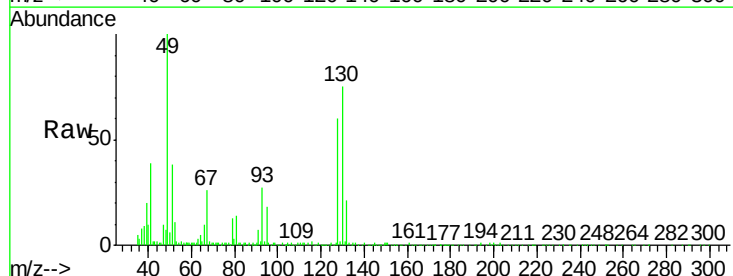
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	288.4
98	64.1	0.0	129.6

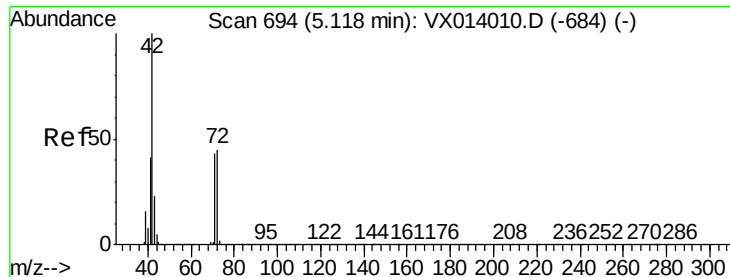


#28

Bromochloromethane
Concen: 22.473 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	5.0
130	76.1	64.6	97.0





#29

Tetrahydrofuran

Concen: 102.897 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

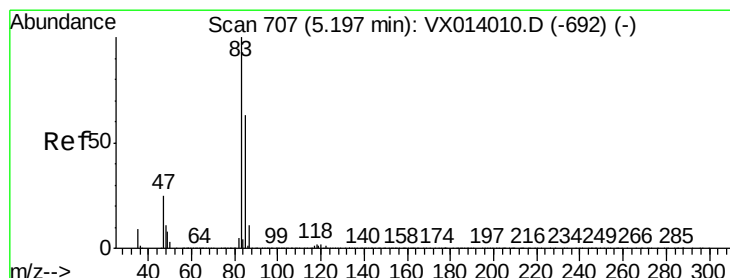
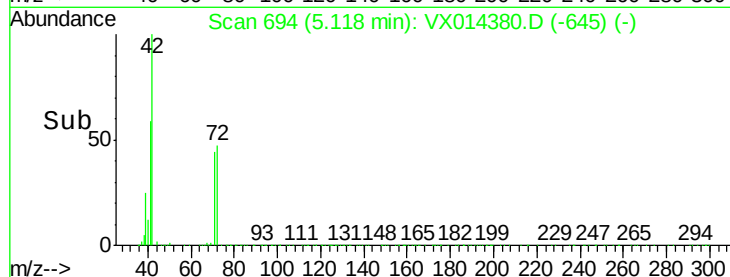
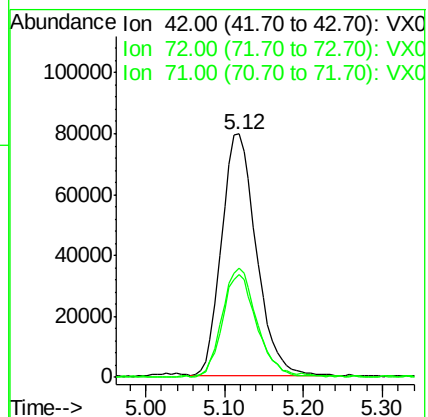
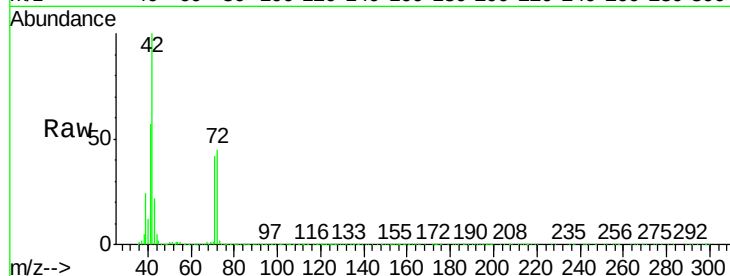
Tgt Ion: 42 Resp: 243156

Ion Ratio Lower Upper

42 100

72 45.6 35.8 53.8

71 42.1 33.6 50.4



#30

Chloroform

Concen: 19.952 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX014380.D

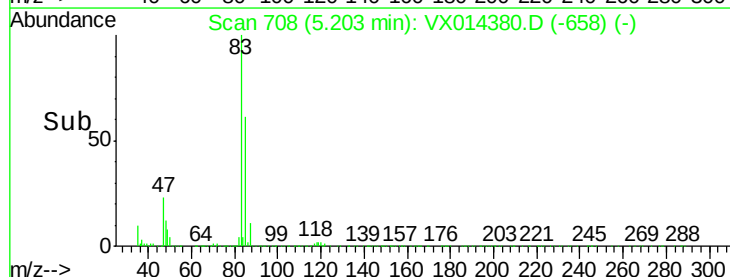
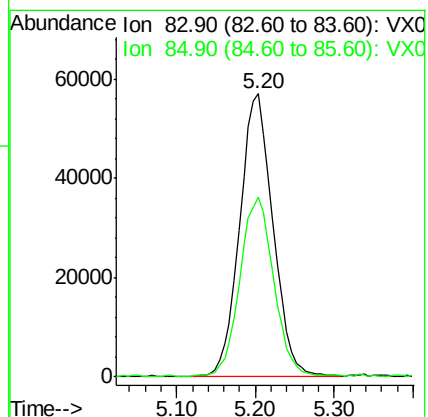
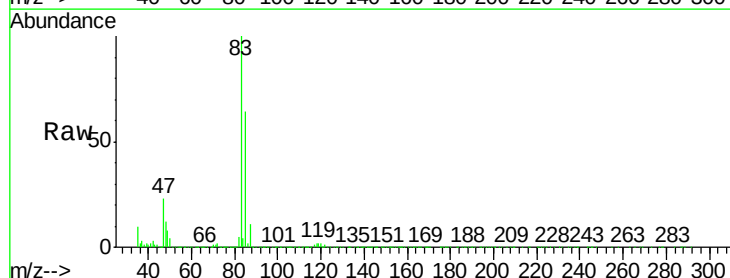
Acq: 31 Dec 2019 15:17

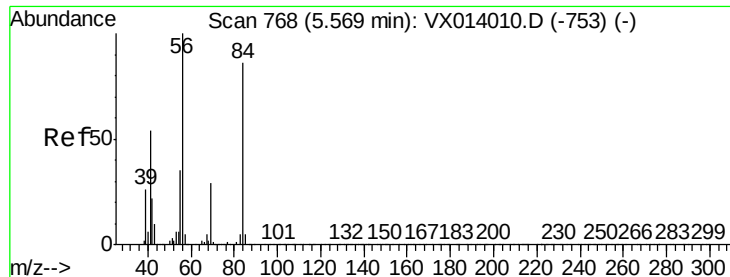
Tgt Ion: 83 Resp: 167736

Ion Ratio Lower Upper

83 100

85 63.2 50.8 76.2

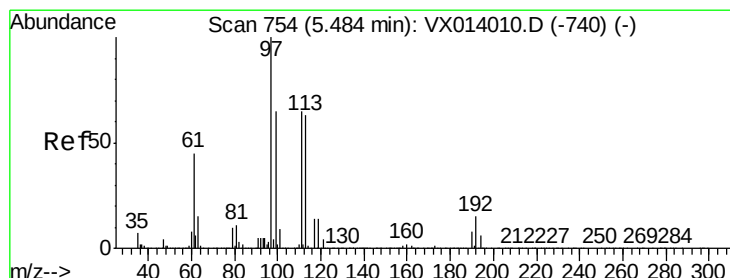
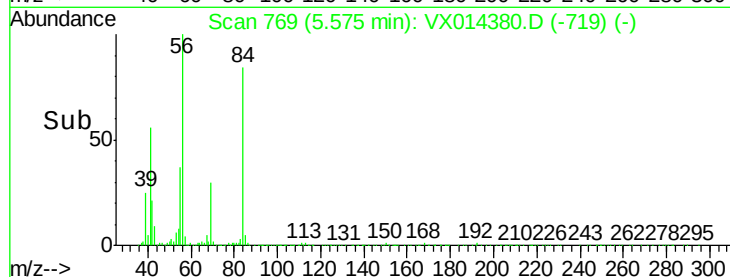
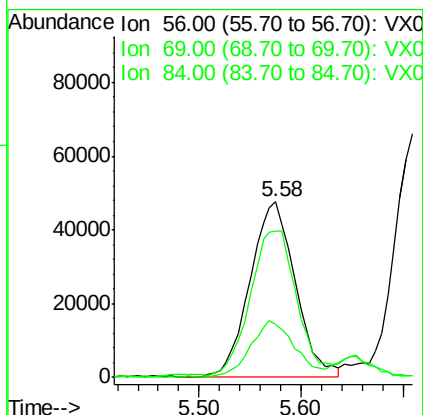
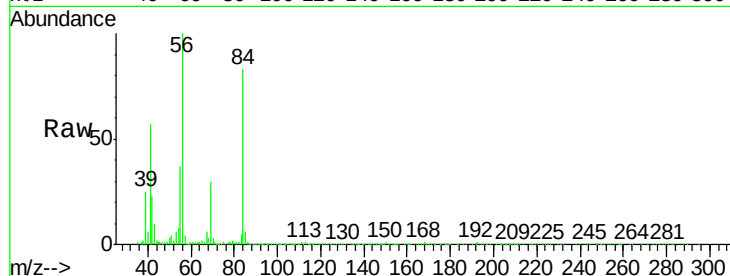




#31
Cyclohexane
Concen: 18.459 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

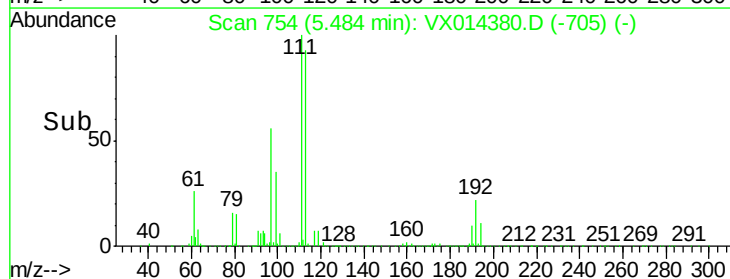
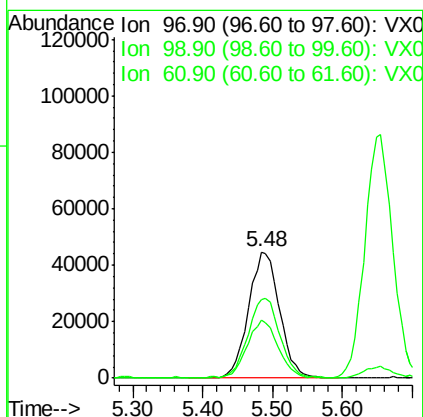
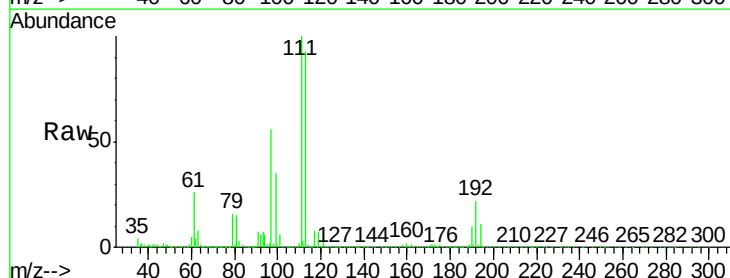
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

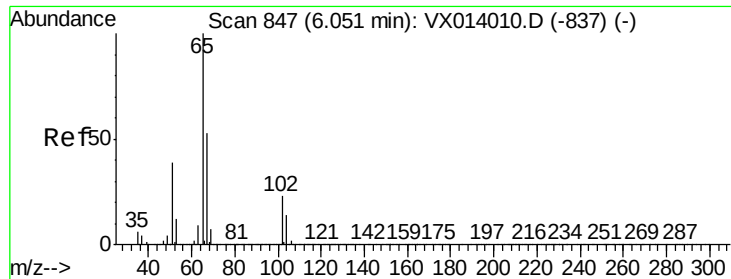
Tgt Ion: 56 Resp: 145596
Ion Ratio Lower Upper
56 100
69 29.6 23.2 34.8
84 81.5 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 19.097 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 97 Resp: 136830
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 45.7 36.7 55.1

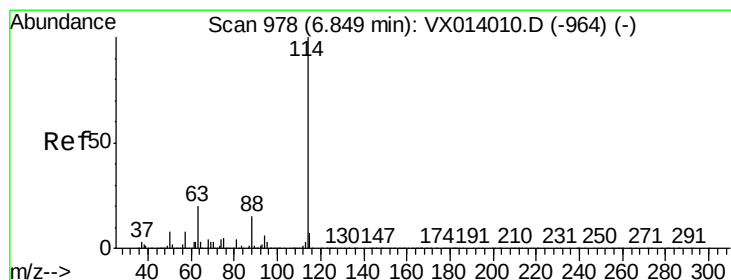
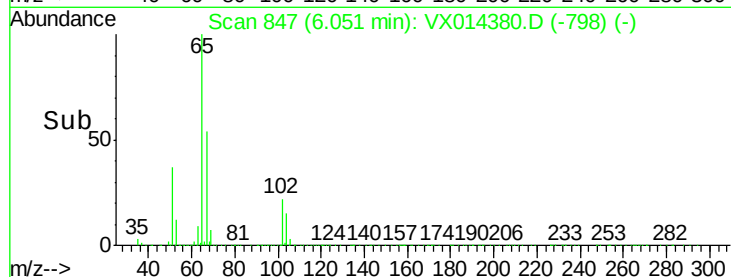
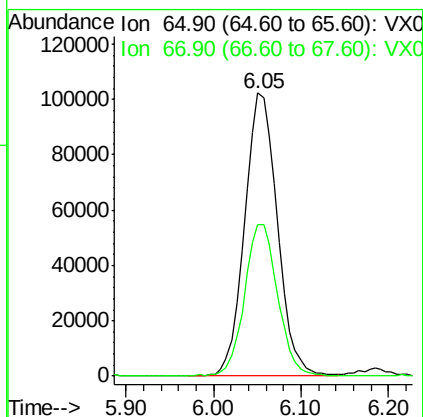
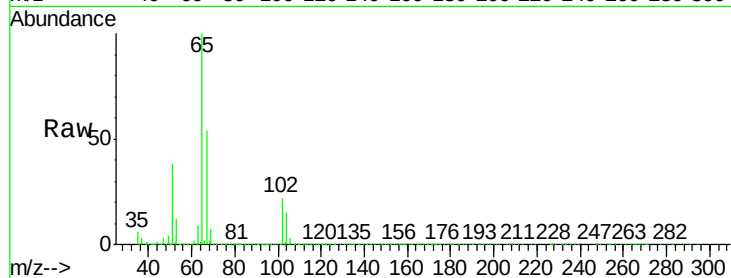




#33
 1,2-Dichloroethane-d4
 Concen: 50.355 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

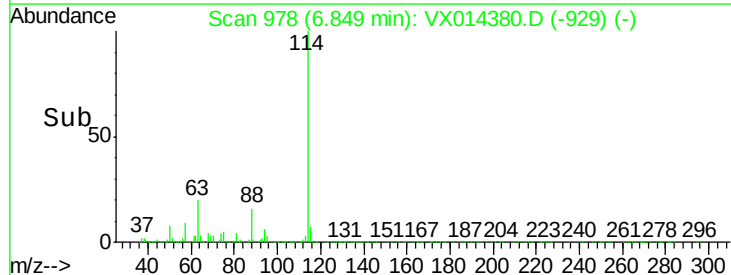
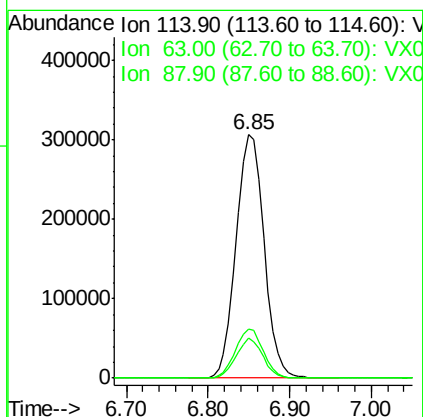
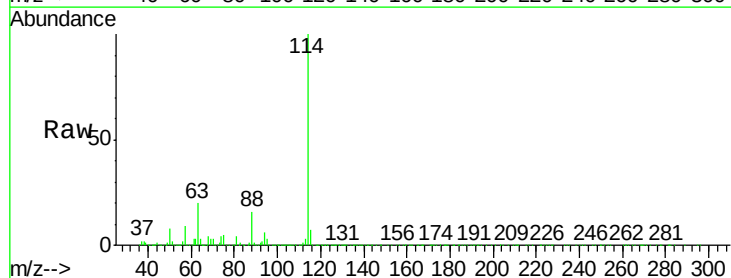
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

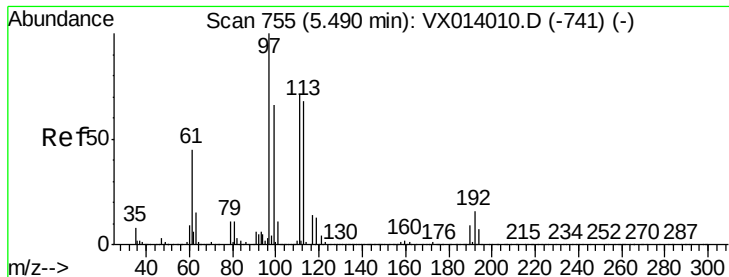
Tgt Ion: 65 Resp: 265795
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion: 114 Resp: 728143
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

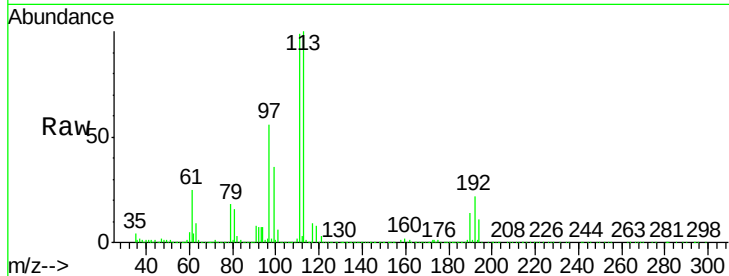
Tgt Ion: 113 Resp: 220905

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

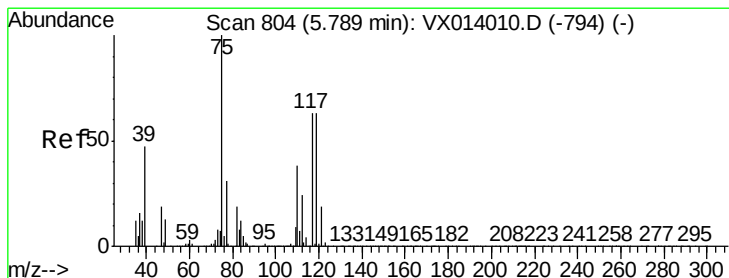
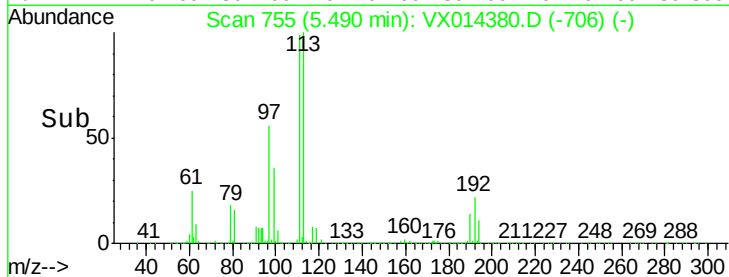
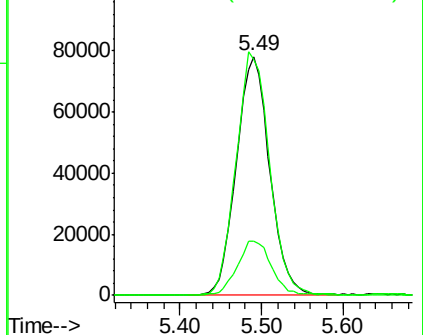
192 23.4 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.064 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

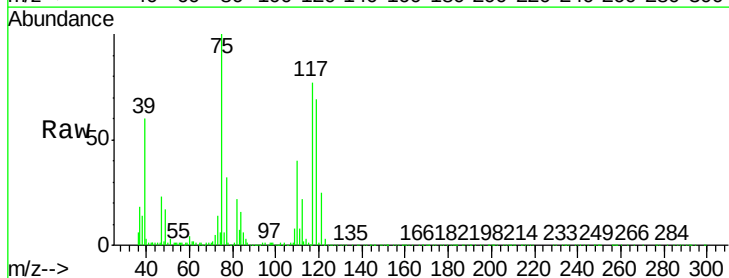
Tgt Ion: 75 Resp: 120688

Ion Ratio Lower Upper

75 100

110 37.4 18.3 54.9

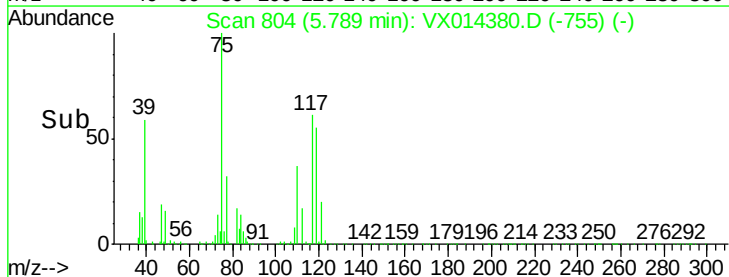
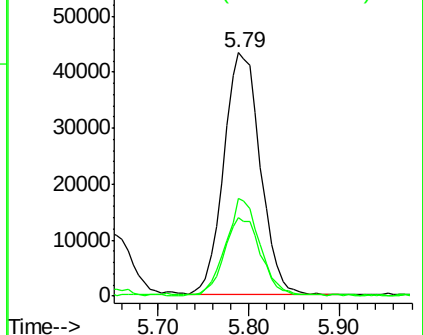
77 32.3 24.8 37.2

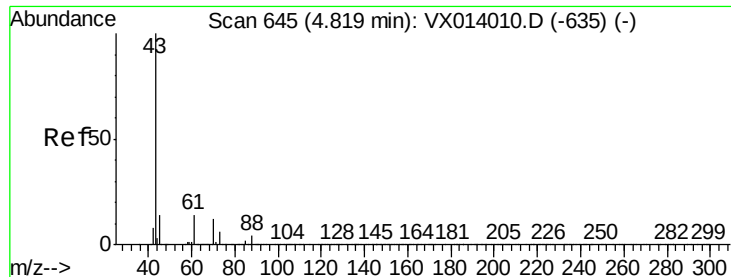


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

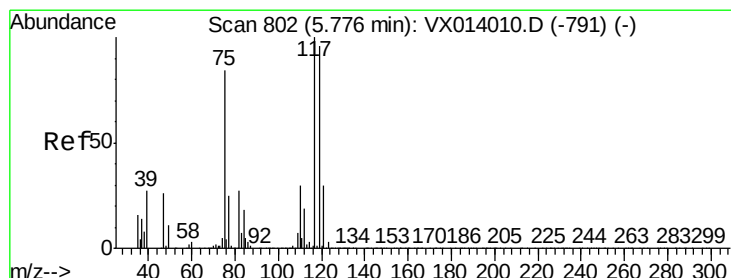
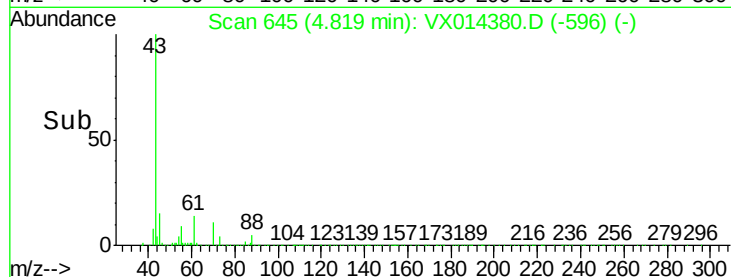
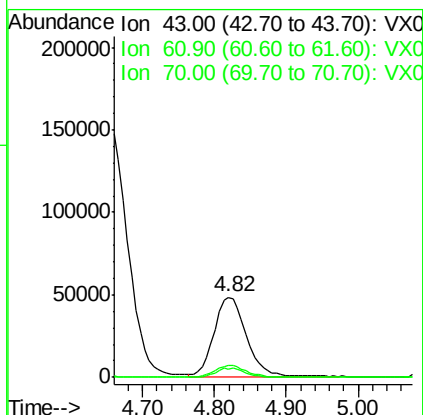
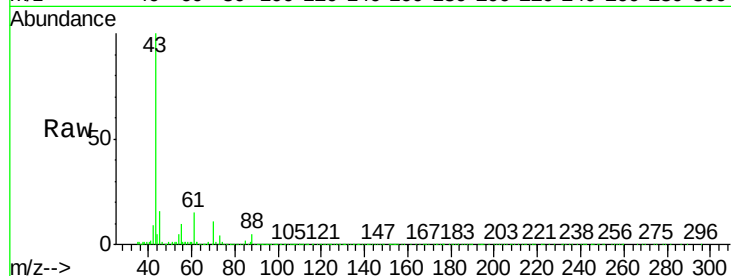




#37
Ethyl Acetate
Concen: 20.194 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

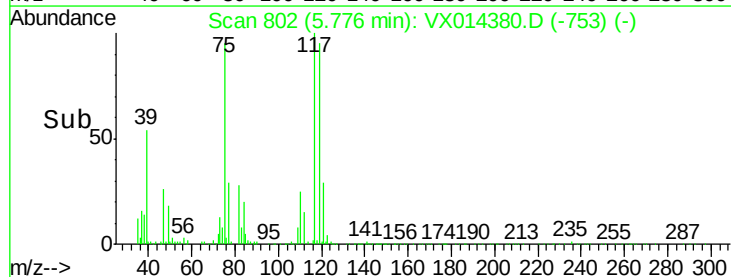
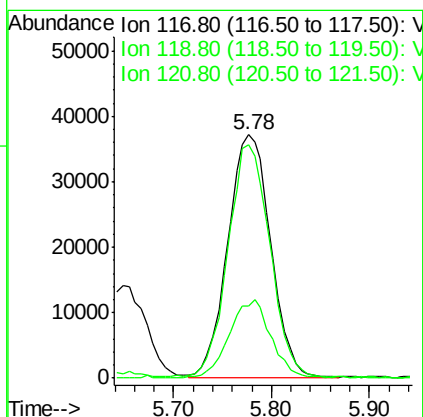
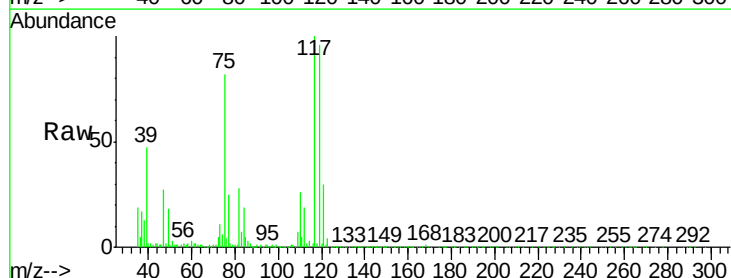
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

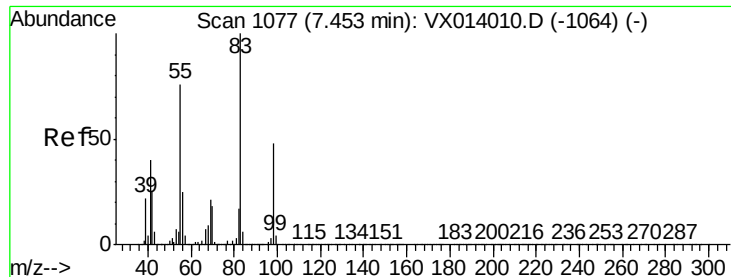
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.2	8.6	12.8



#38
Carbon Tetrachloride
Concen: 18.439 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.4
121	29.3	23.6	35.4

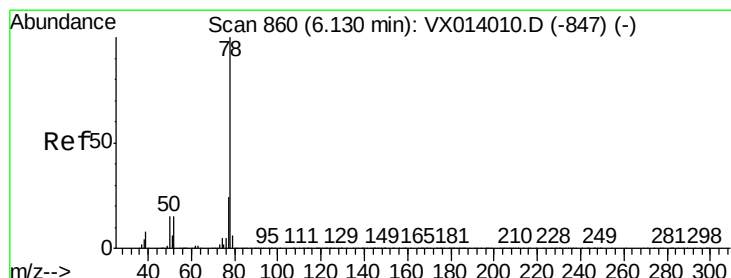
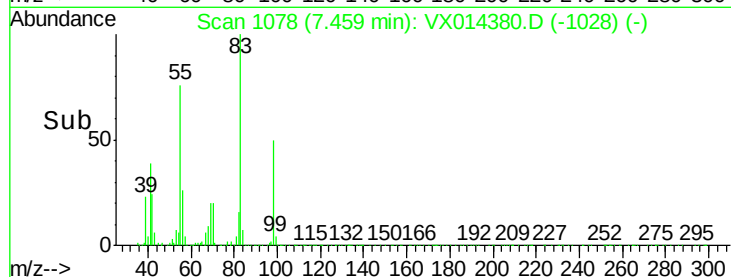
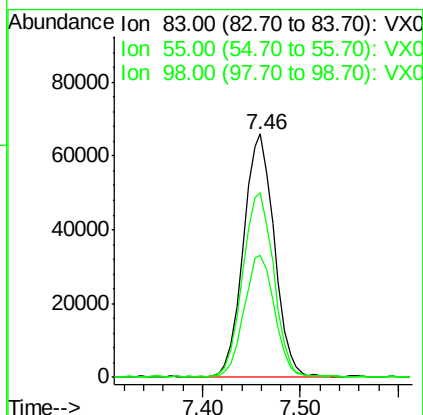
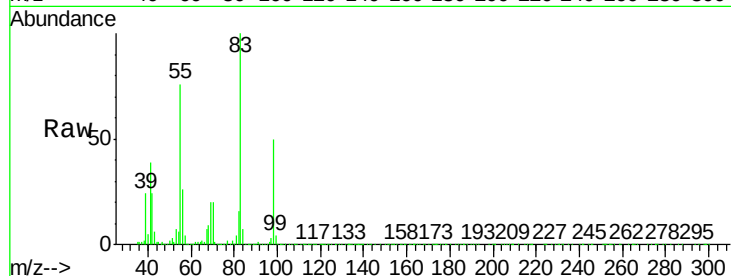




#39
Methylcyclohexane
Concen: 17.431 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

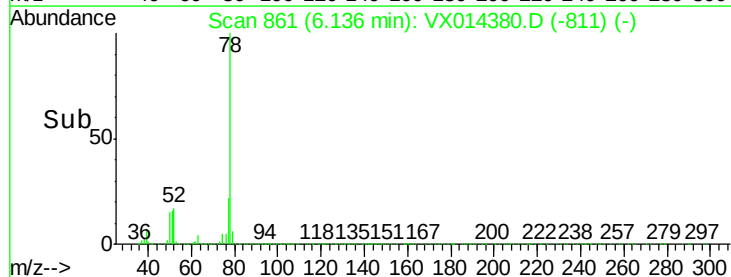
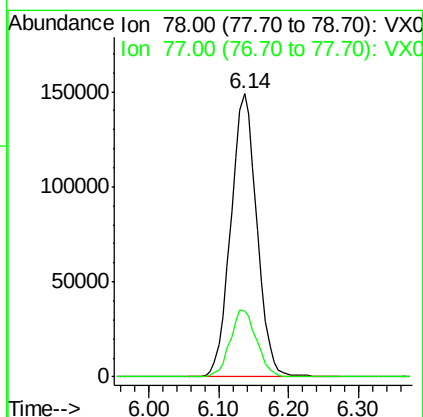
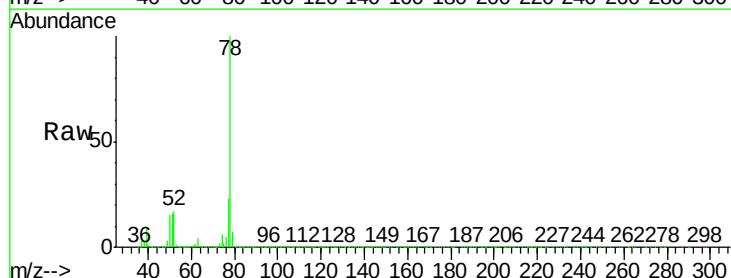
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

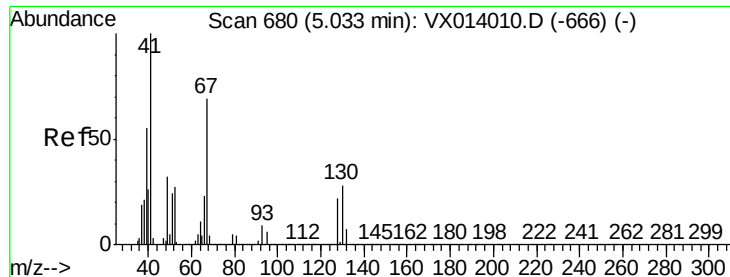
Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.0	91.6
98	50.0	38.6	57.8



#40
Benzene
Concen: 18.668 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

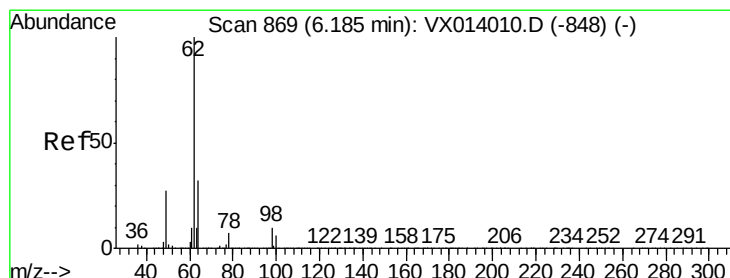
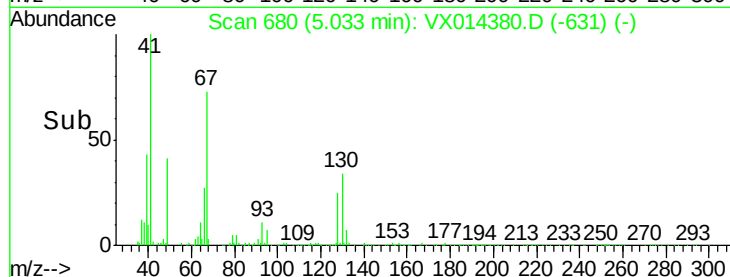
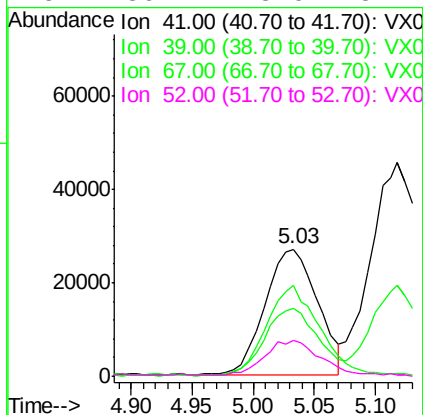
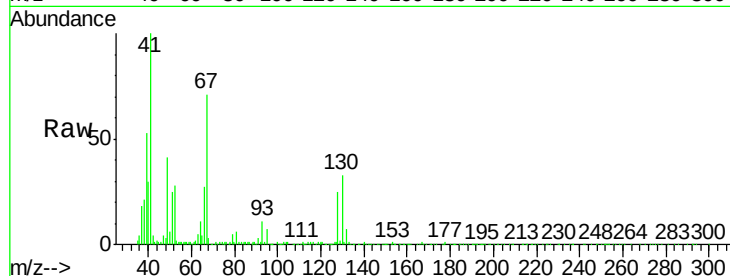




#41
Methacrylonitrile
Concen: 19.760 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

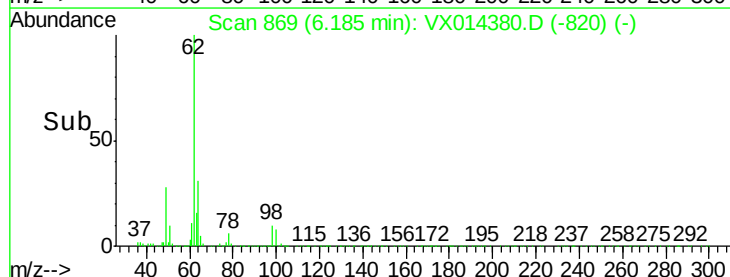
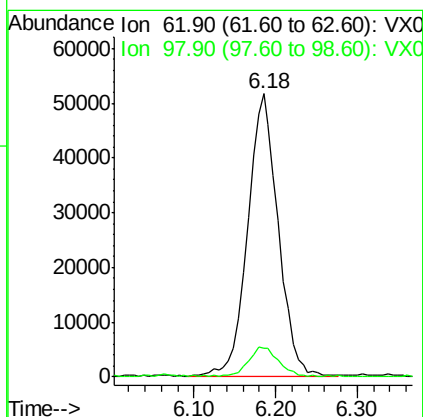
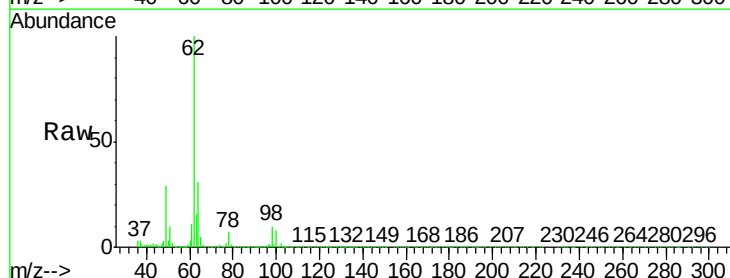
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

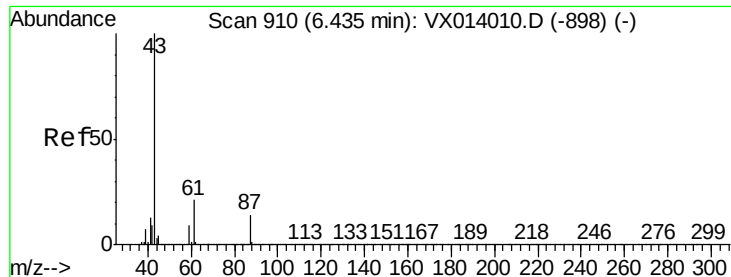
Tgt Ion:	41	Resp:	80888
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.5	66.7
67	72.4	57.4	86.0
52	30.2	23.0	34.4



#42
1,2-Dichloroethane
Concen: 19.216 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion:	62	Resp:	133905
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.015 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

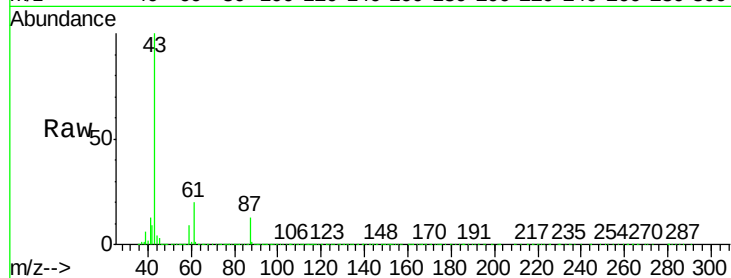
Tgt Ion: 43 Resp: 244378

Ion Ratio Lower Upper

43 100

61 19.7 16.4 24.6

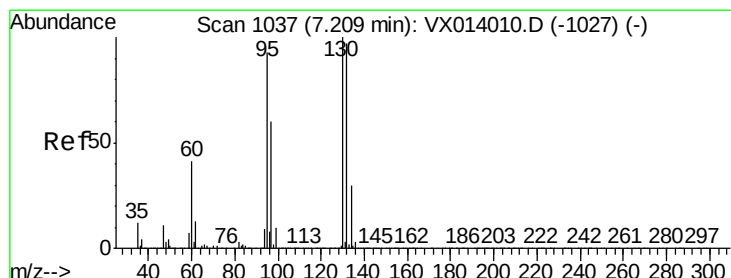
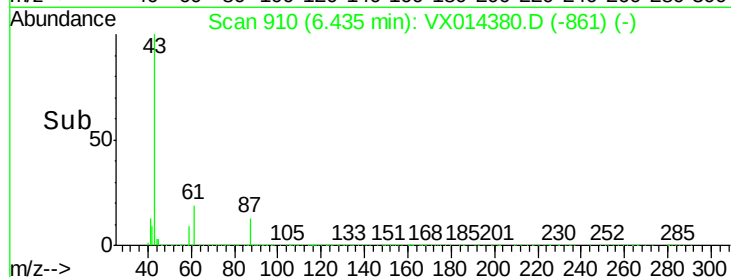
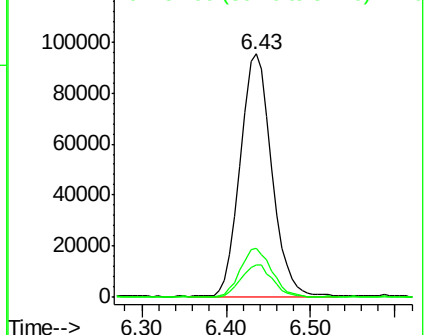
87 13.2 10.7 16.1



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: 18.406 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014380.D

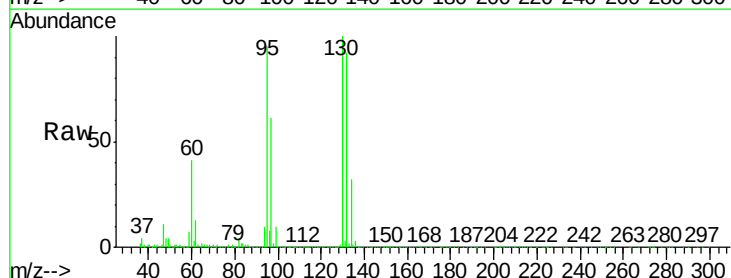
Acq: 31 Dec 2019 15:17

Tgt Ion: 130 Resp: 104509

Ion Ratio Lower Upper

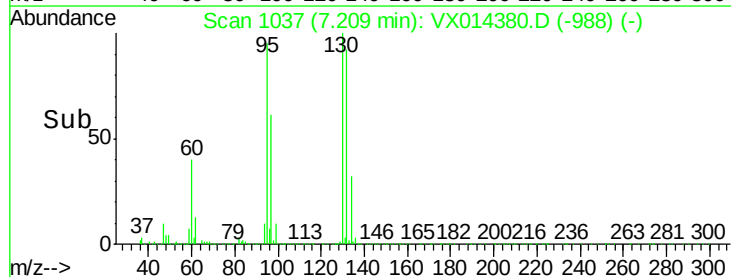
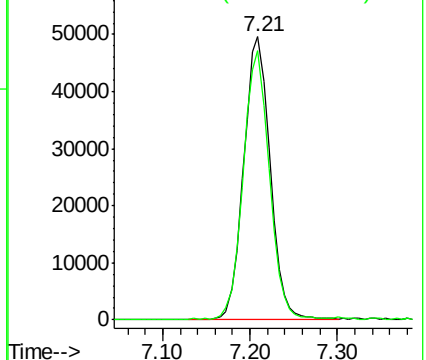
130 100

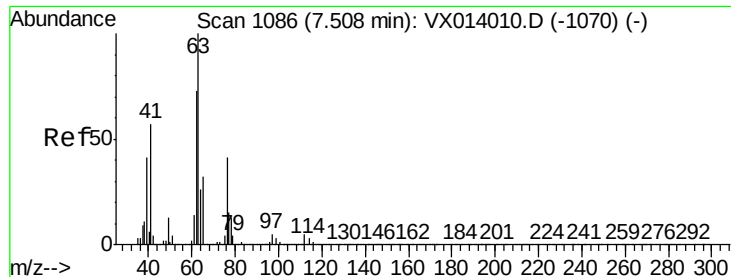
95 94.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

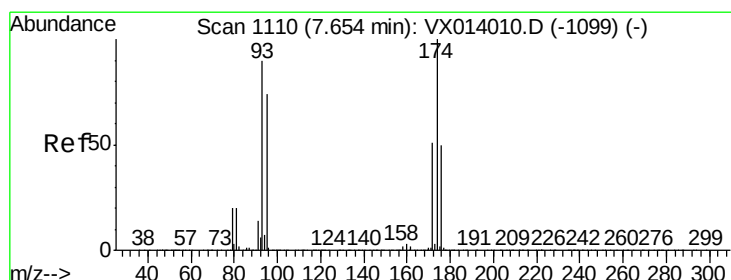
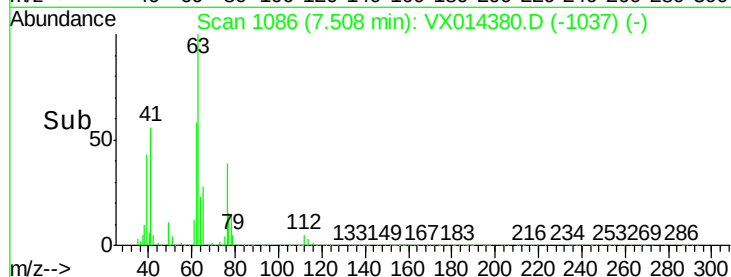
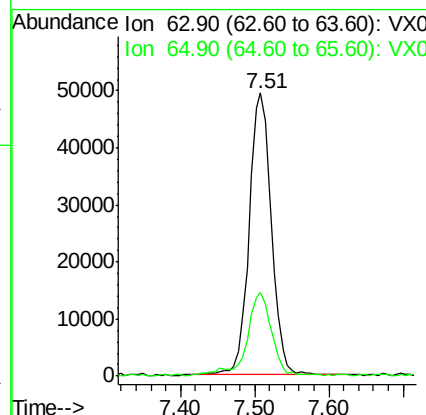
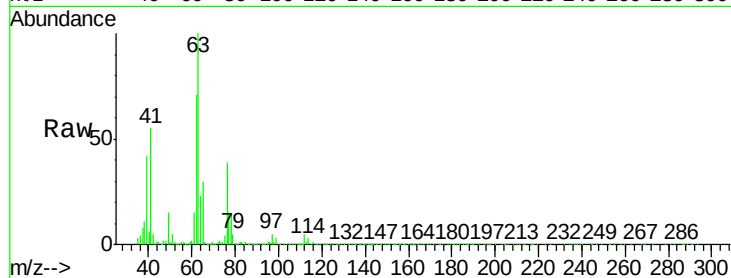




#45
 1,2-Dichloropropane
 Concen: 19.685 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

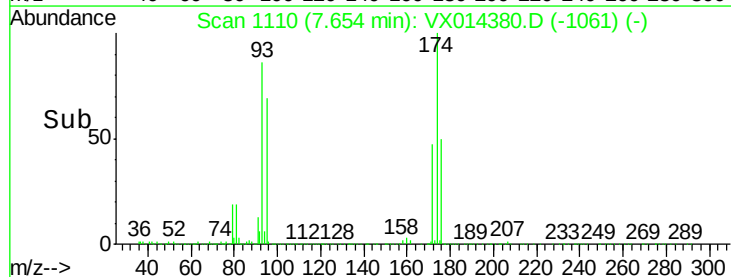
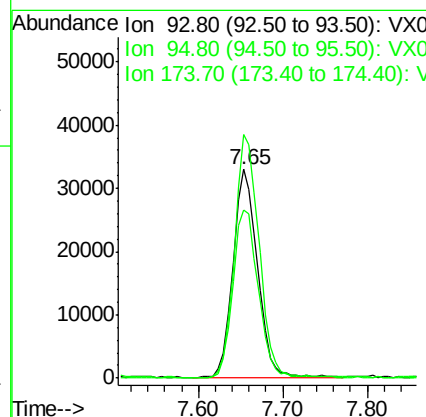
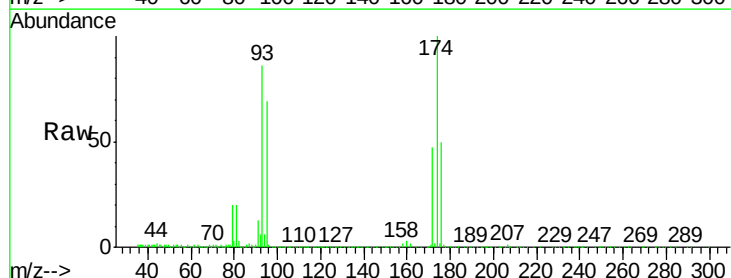
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

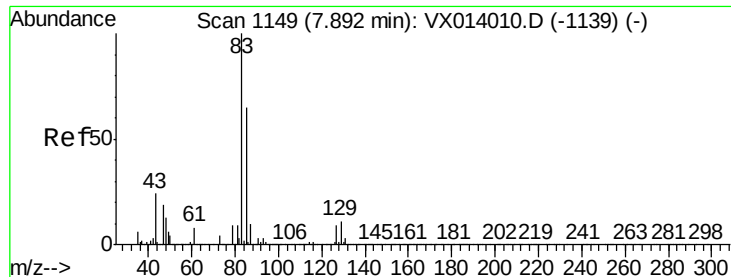
Tgt Ion: 63 Resp: 103718
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.8 38.8



#46
 Dibromomethane
 Concen: 18.698 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion: 93 Resp: 65136
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 116.2 91.6 137.4





#47

Bromodichloromethane

Concen: 18.324 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

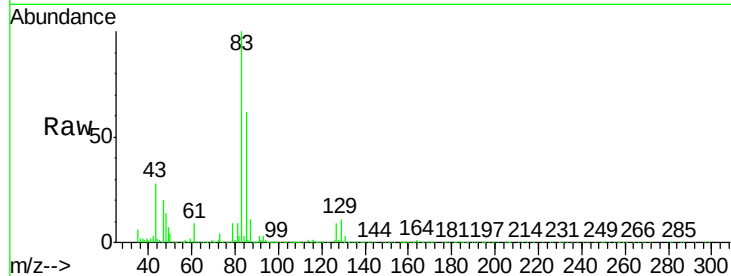
Tgt Ion: 83 Resp: 120219

Ion Ratio Lower Upper

83 100

85 62.0 51.8 77.8

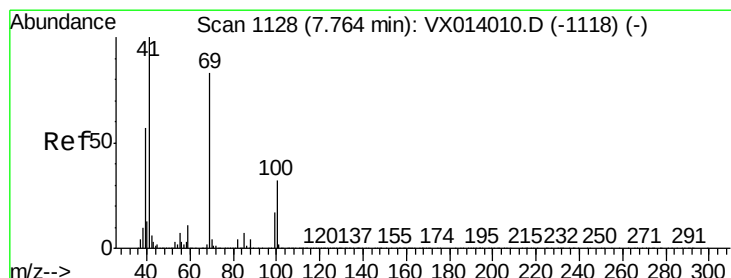
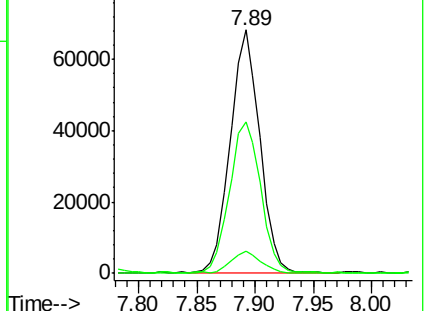
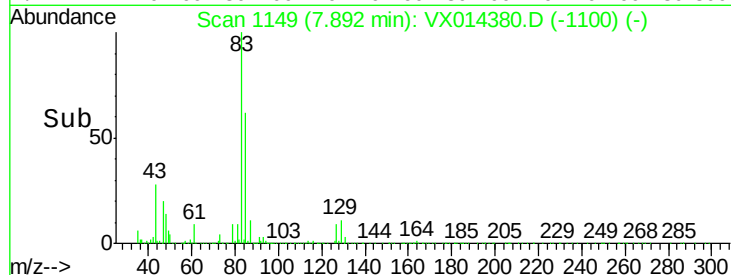
127 8.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.591 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

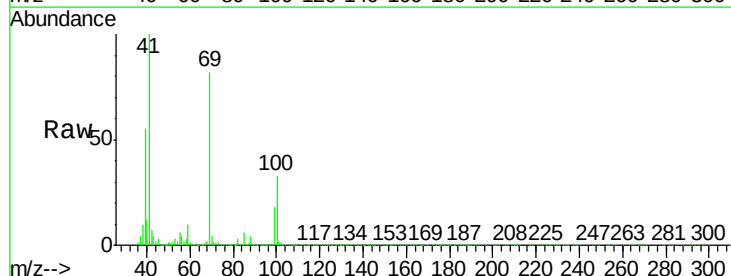
Tgt Ion: 41 Resp: 117134

Ion Ratio Lower Upper

41 100

69 80.1 65.8 98.6

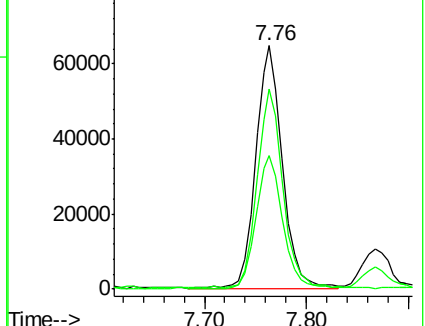
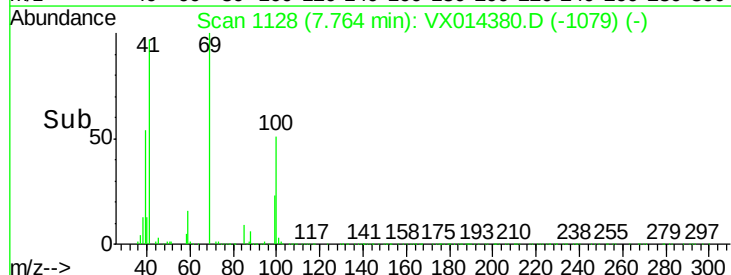
39 54.2 44.6 67.0

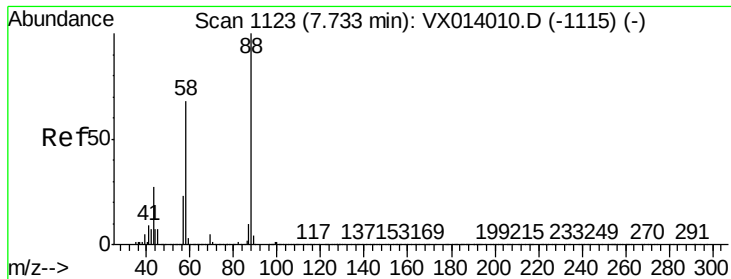


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

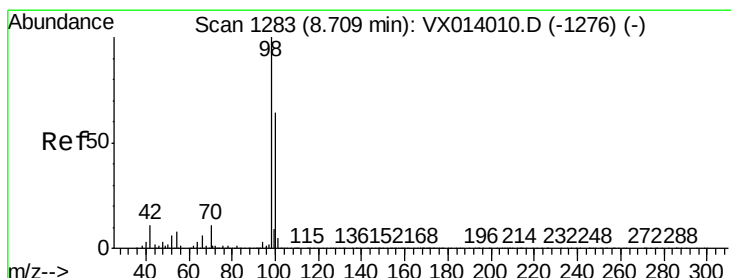
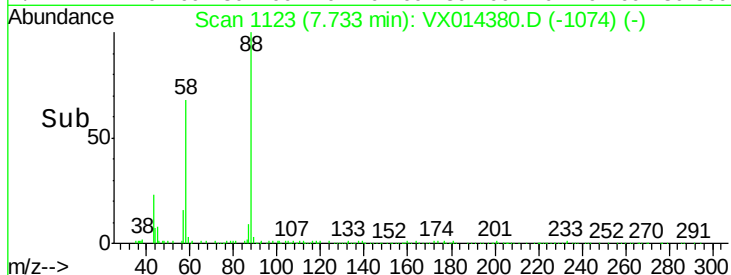
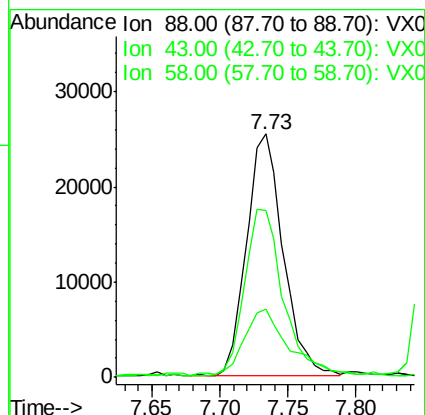
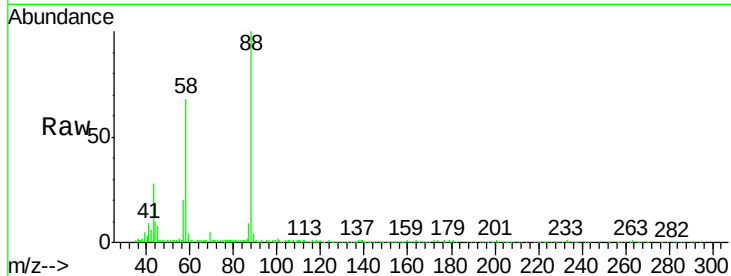




#49
1,4-Dioxane
Concen: 394.397 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

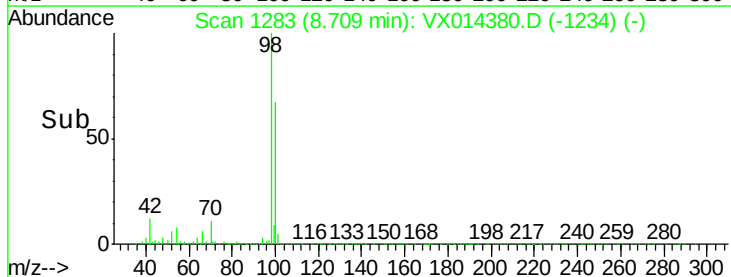
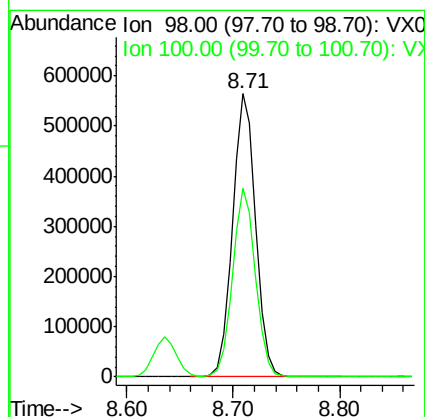
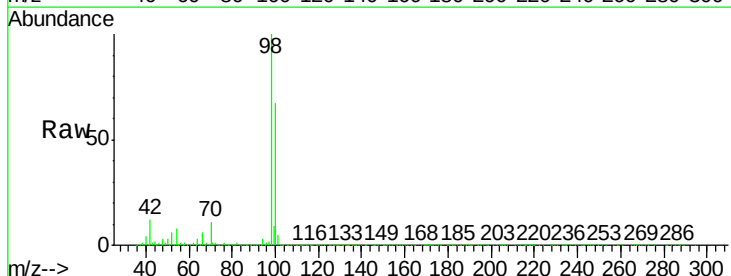
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

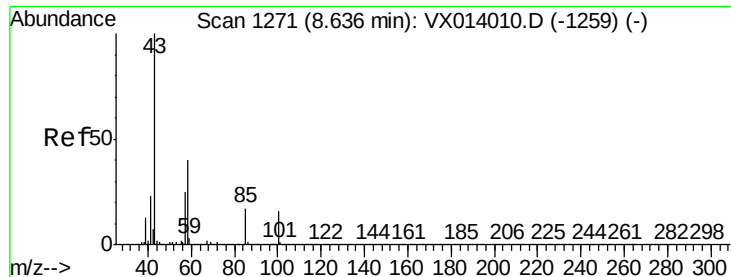
Tgt Ion: 88 Resp: 47987
Ion Ratio Lower Upper
88 100
43 33.8 26.5 39.7
58 73.3 56.8 85.2



#50
Toluene-d8
Concen: 49.614 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 98 Resp: 854985
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3

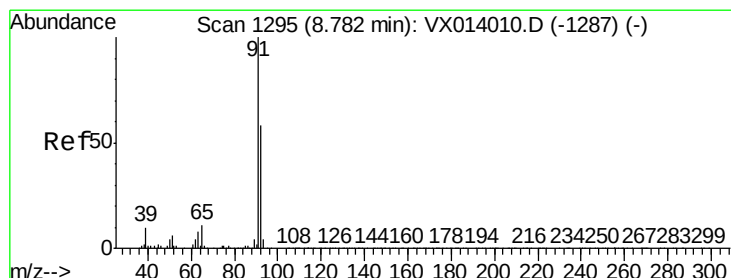
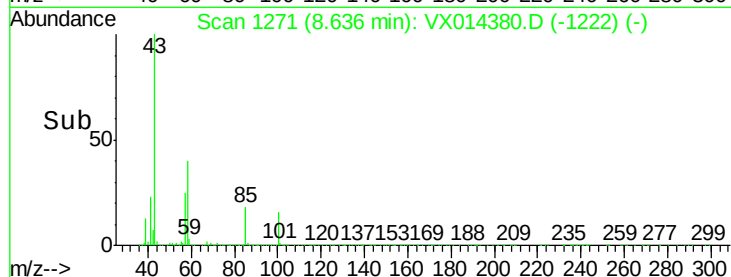
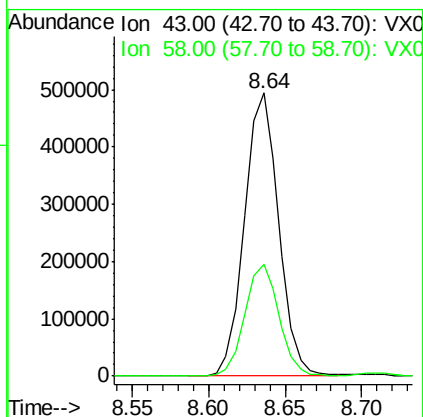
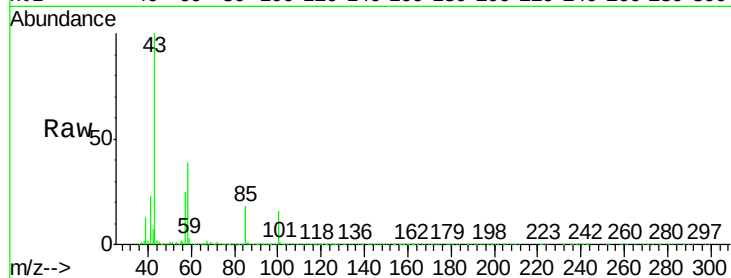




#51
 4-Methyl-2-Pentanone
 Concen: 100.090 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

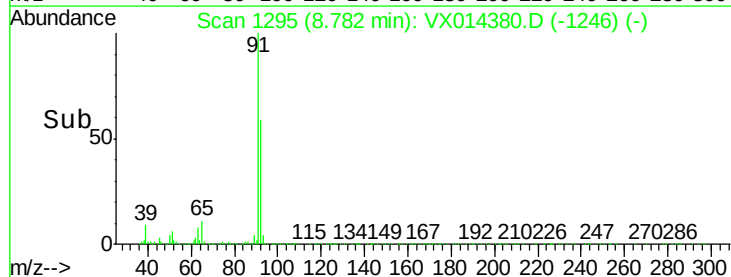
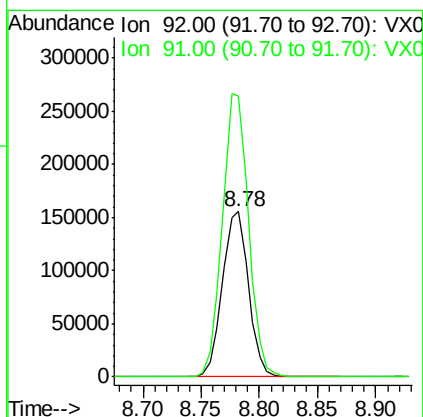
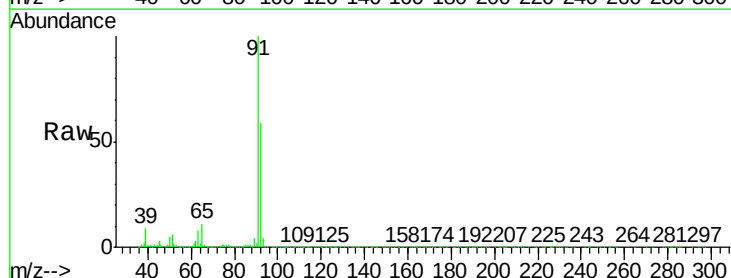
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

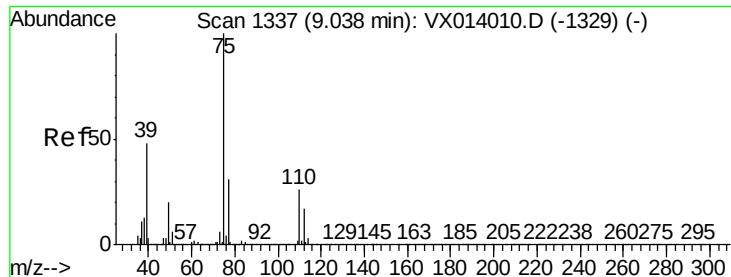
Tgt Ion: 43 Resp: 767500
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.2 48.2



#52
 Toluene
 Concen: 18.571 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion: 92 Resp: 241296
 Ion Ratio Lower Upper
 92 100
 91 171.6 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 18.223 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

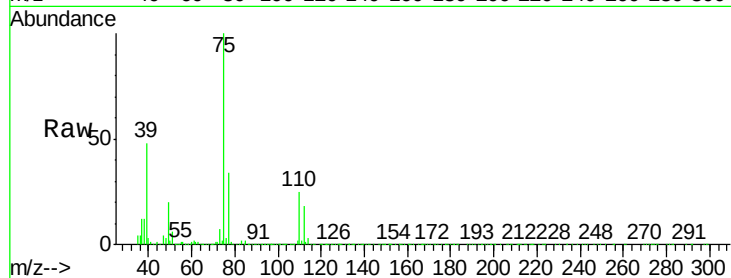
VX1231MBS01

Tgt Ion: 75 Resp: 131097

Ion Ratio Lower Upper

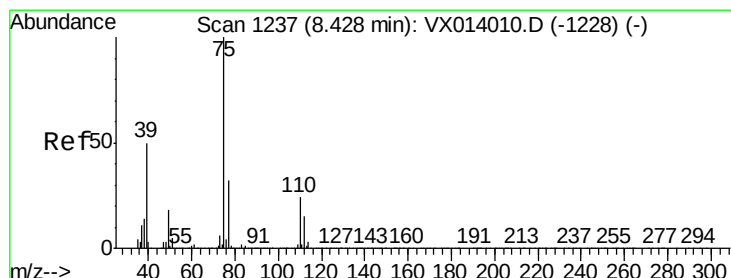
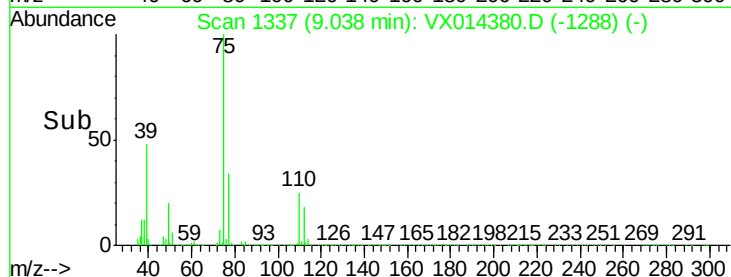
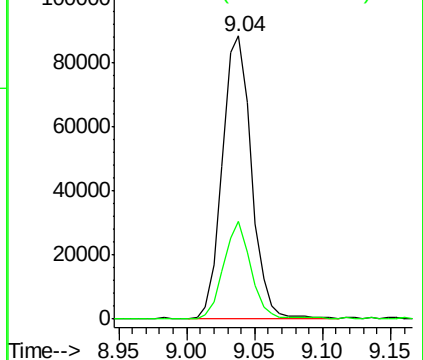
75 100

77 34.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.751 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

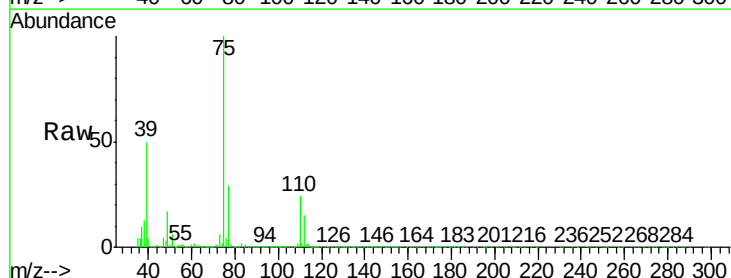
Tgt Ion: 75 Resp: 150283

Ion Ratio Lower Upper

75 100

77 28.8 25.3 37.9

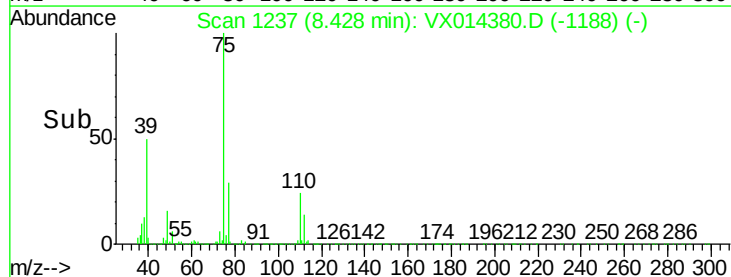
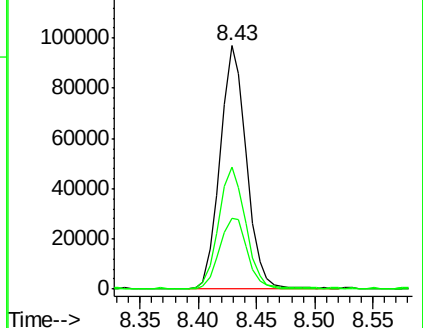
39 49.8 39.9 59.9

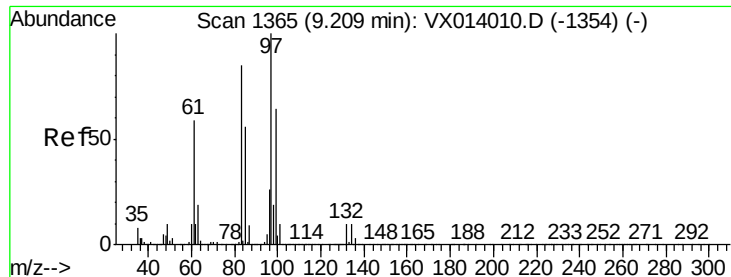


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

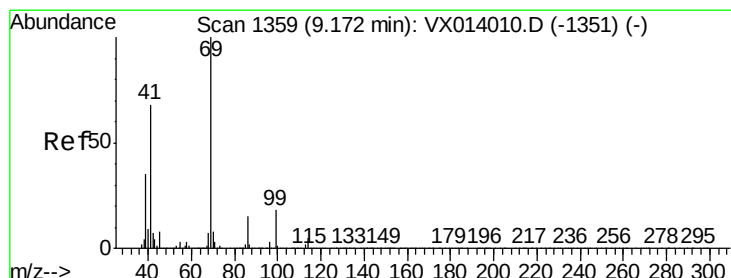
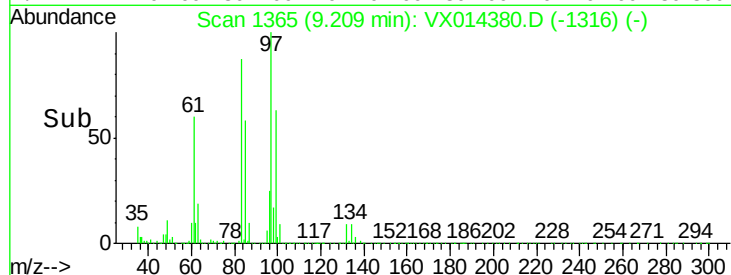
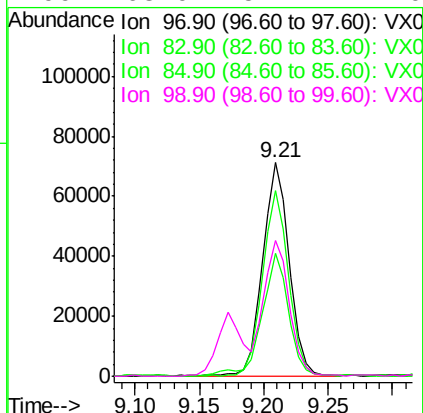
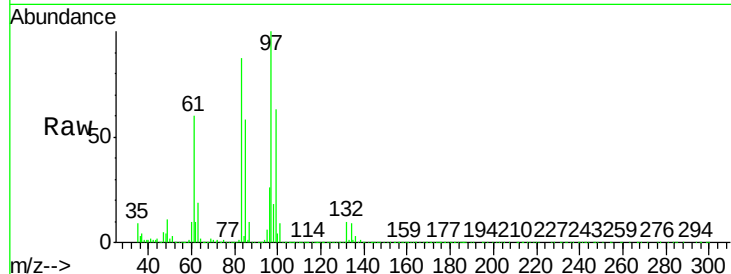




#55
 1,1,2-Trichloroethane
 Concen: 19.407 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

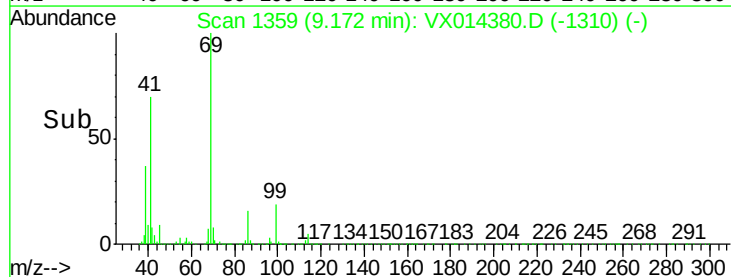
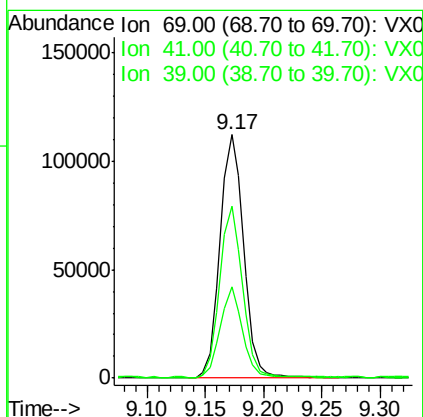
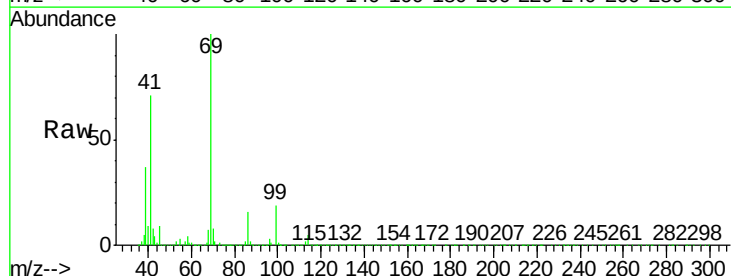
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

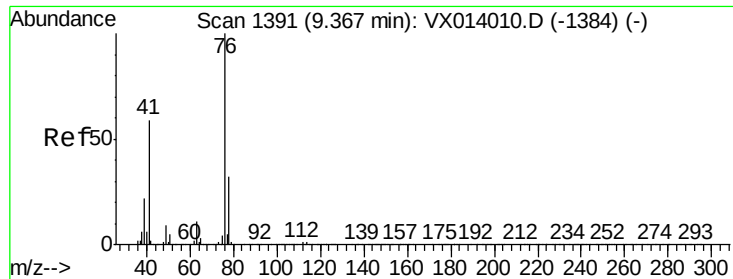
Tgt Ion:	97	Resp:	101066
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.2	102.4
85	57.5	44.6	66.8
99	63.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 19.191 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion:	69	Resp:	156991
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.8	82.2
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 19.543 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

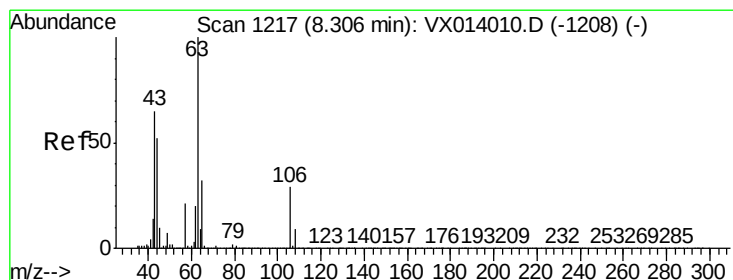
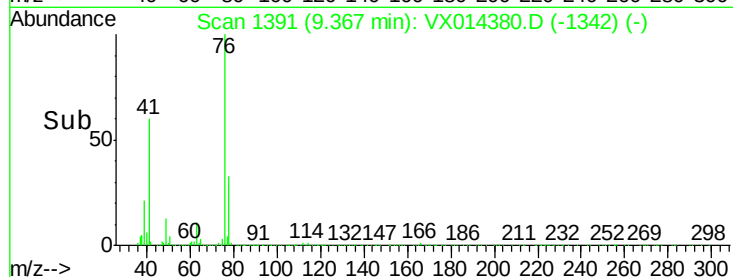
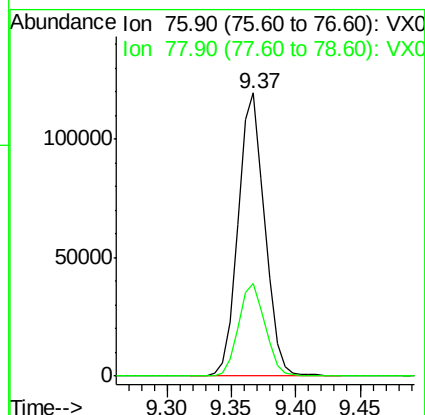
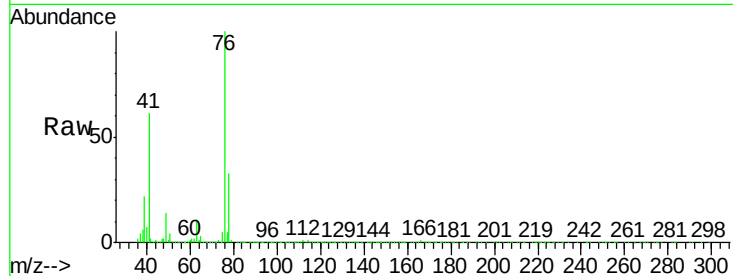
VX1231MBSD01

Tgt Ion: 76 Resp: 171233

Ion Ratio Lower Upper

76 100

78 33.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.605 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014380.D

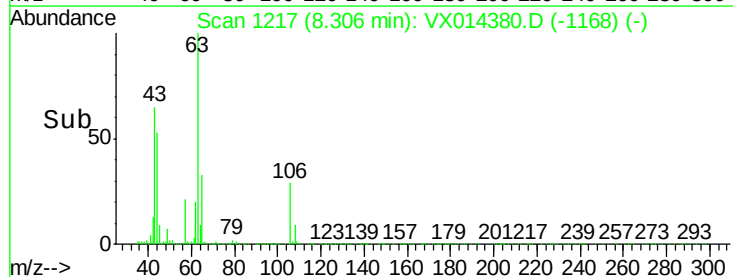
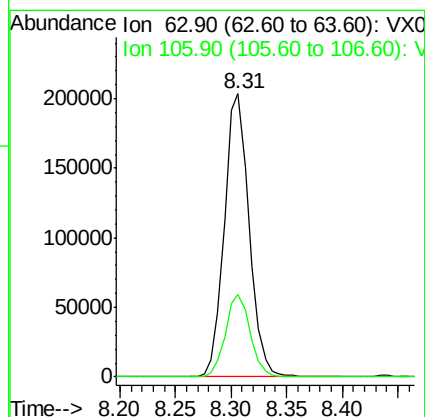
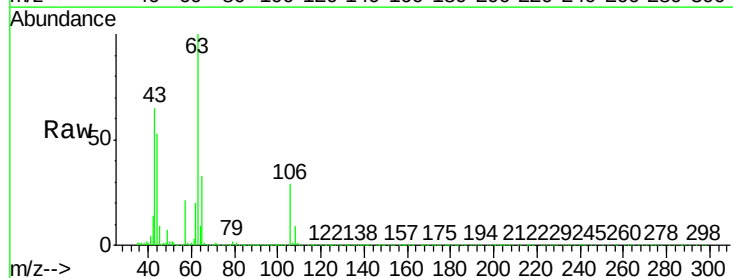
Acq: 31 Dec 2019 15:17

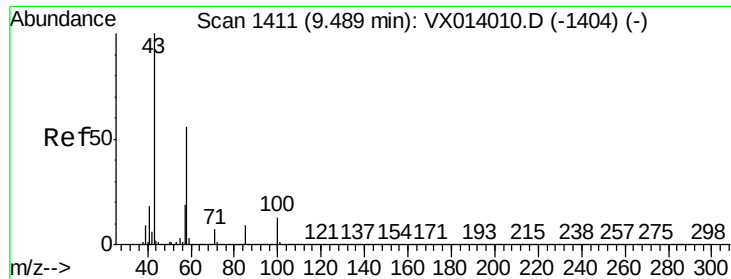
Tgt Ion: 63 Resp: 314542

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

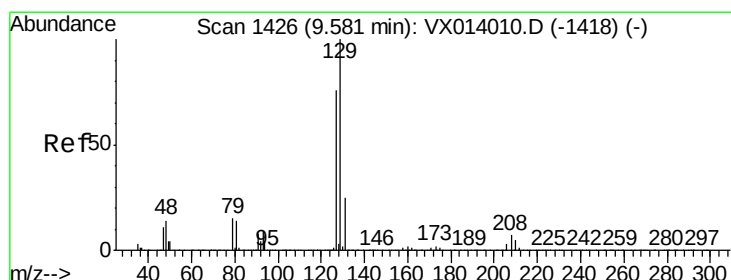
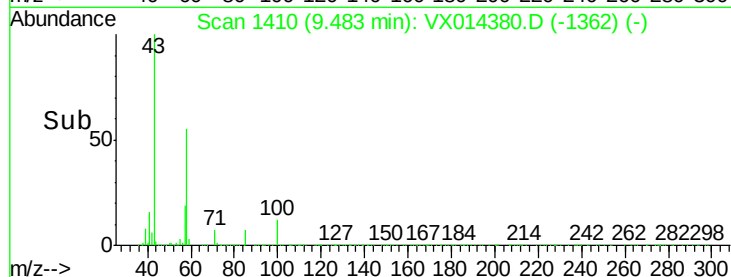
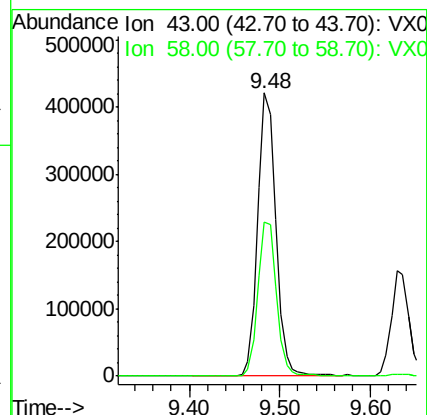
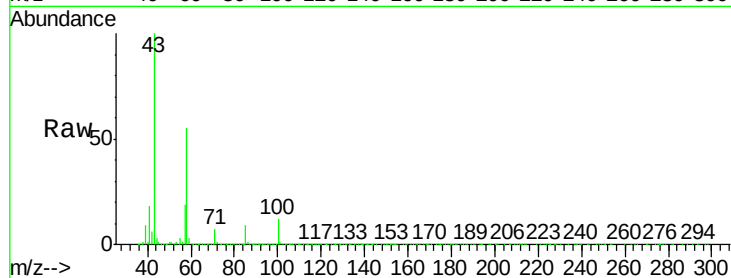




#59
2-Hexanone
Concen: 95.203 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

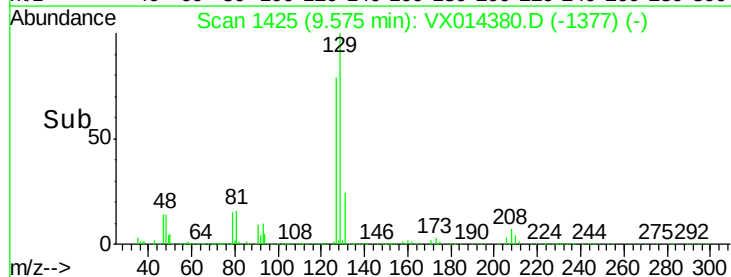
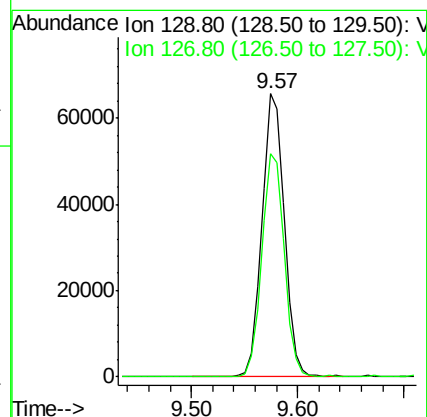
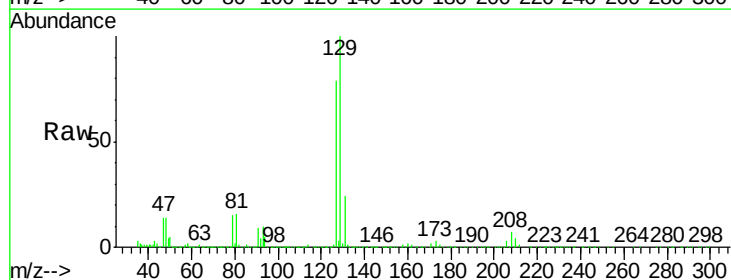
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

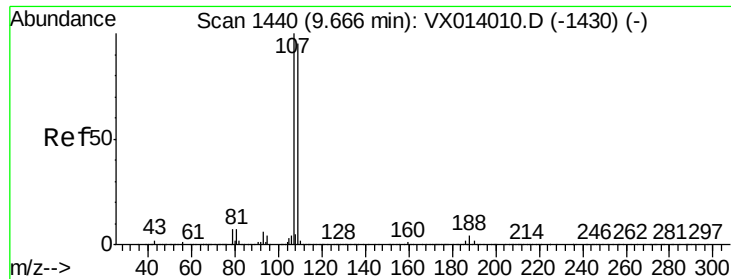
Tgt Ion: 43 Resp: 587672
Ion Ratio Lower Upper
43 100
58 55.6 28.0 84.0



#60
Dibromochloromethane
Concen: 18.784 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 129 Resp: 97236
Ion Ratio Lower Upper
129 100
127 79.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.397 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

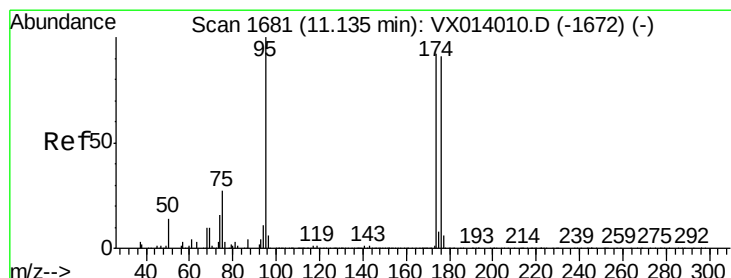
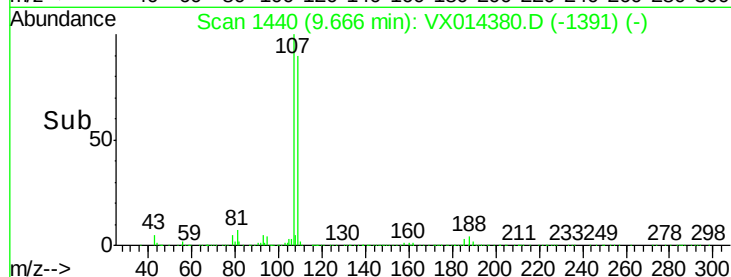
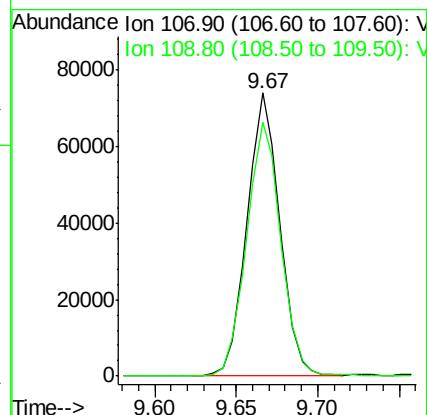
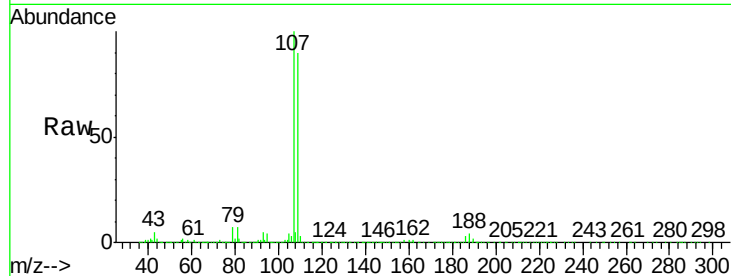
VX1231MBSD01

Tgt Ion: 107 Resp: 103350

Ion Ratio Lower Upper

107 100

109 93.9 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 48.351 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

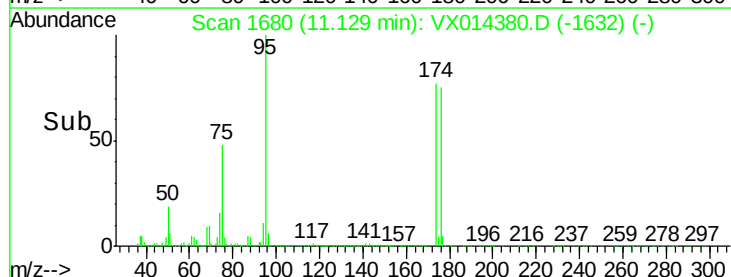
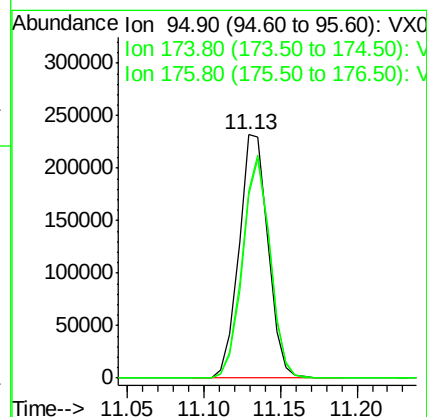
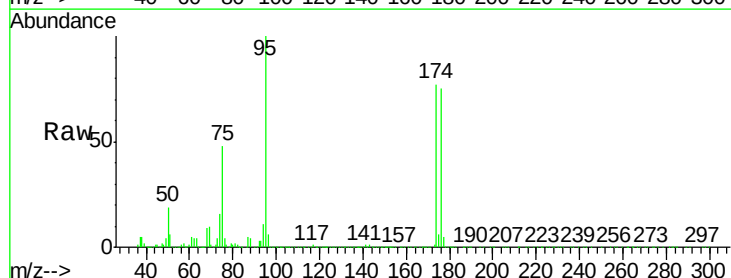
Tgt Ion: 95 Resp: 304579

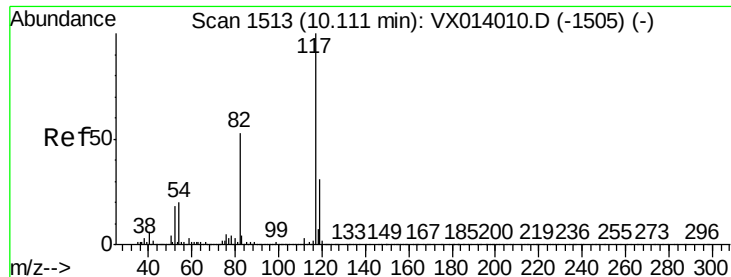
Ion Ratio Lower Upper

95 100

174 87.8 0.0 175.8

176 85.3 0.0 173.0

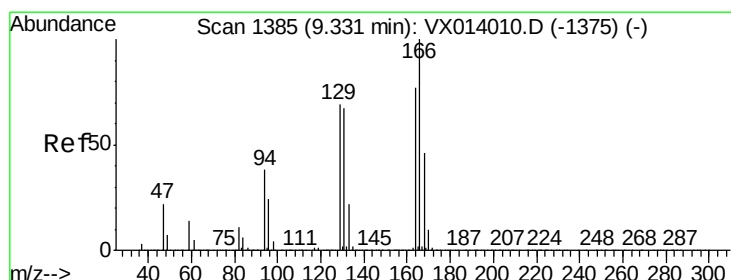
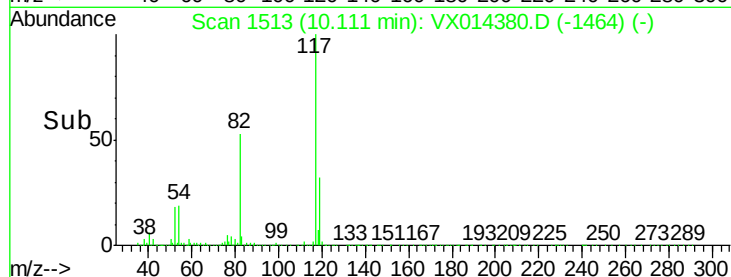
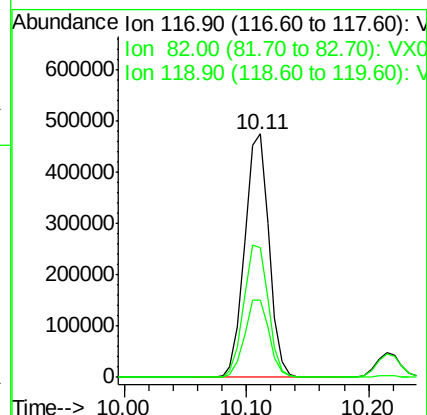
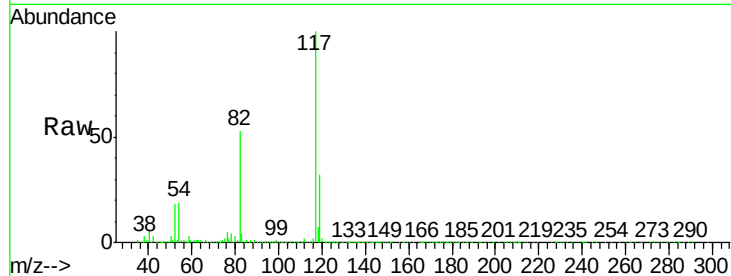




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

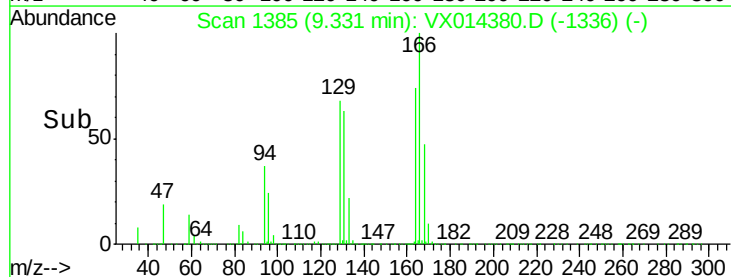
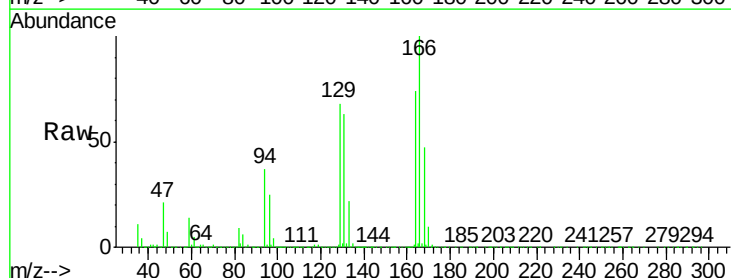
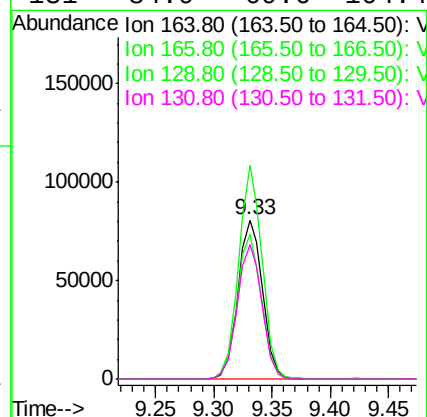
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

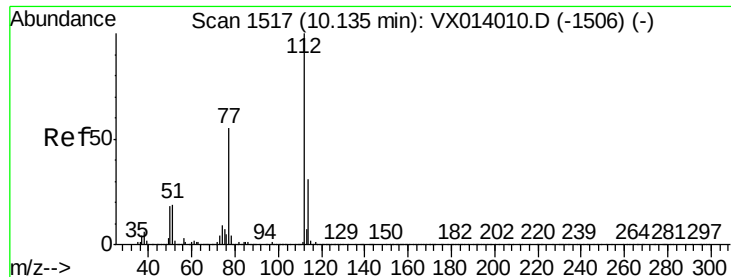
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	31.9	25.1	37.7



#64
Tetrachloroethene
Concen: 20.674 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	104.0	156.0
129	91.3	72.2	108.4
131	84.9	69.6	104.4





#65

Chlorobenzene

Concen: 18.895 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

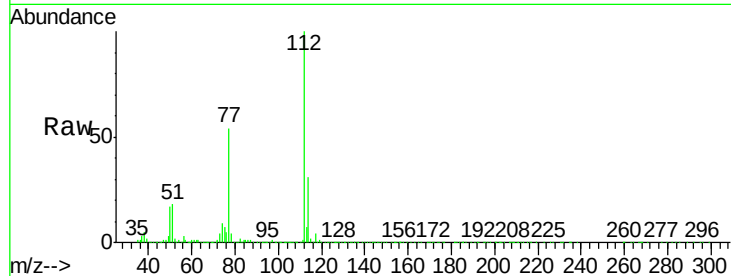
VX1231MBSD01

Tgt Ion:112 Resp: 260886

Ion Ratio Lower Upper

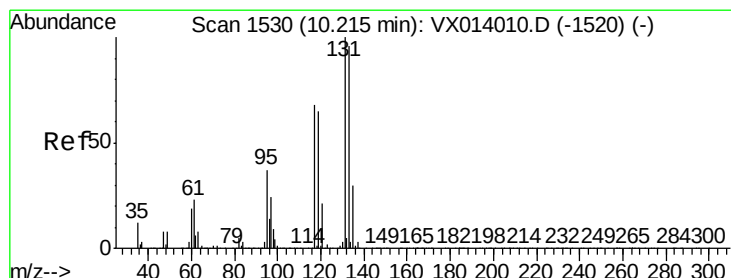
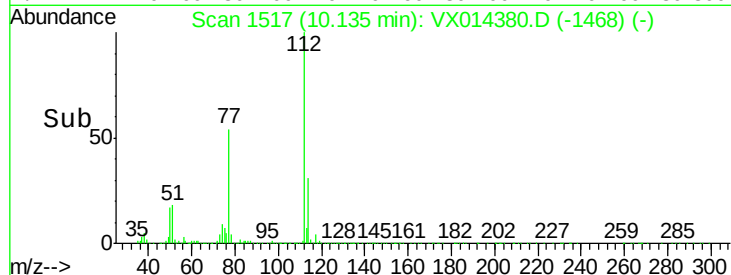
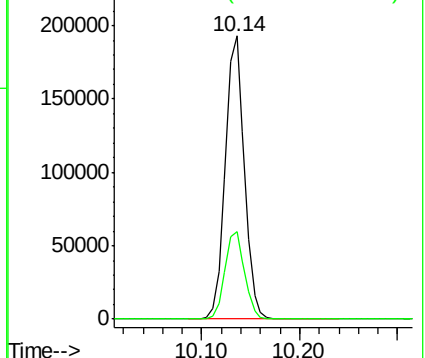
112 100

114 31.1 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.137 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

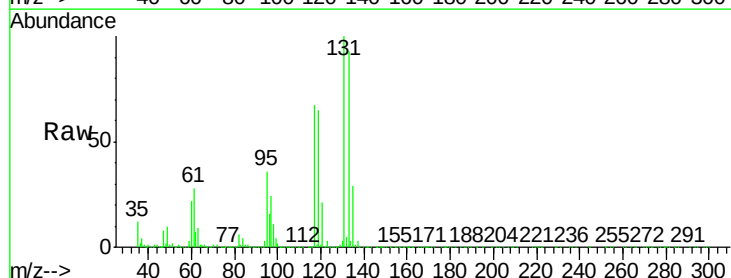
Tgt Ion:131 Resp: 94346

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

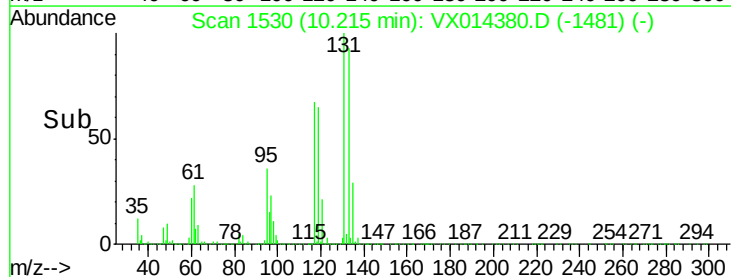
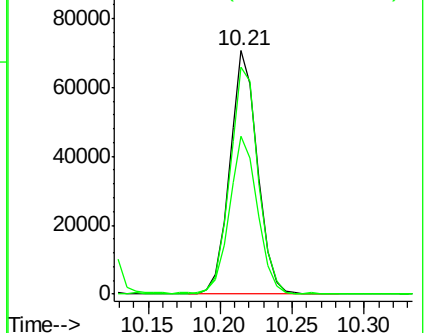
119 66.2 33.4 100.2

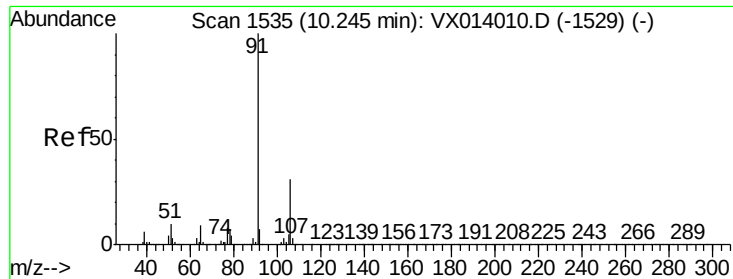


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

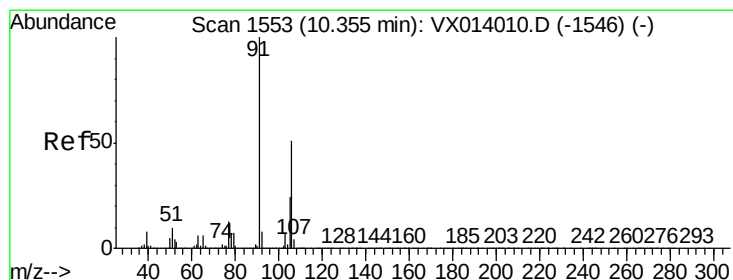
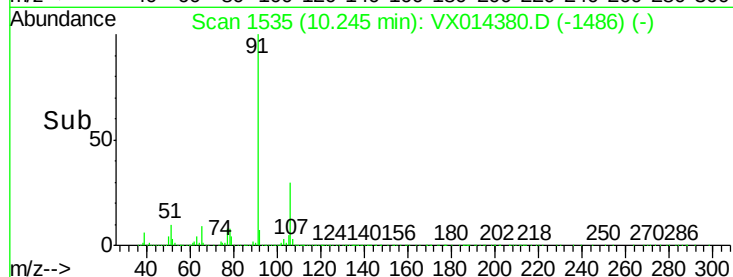
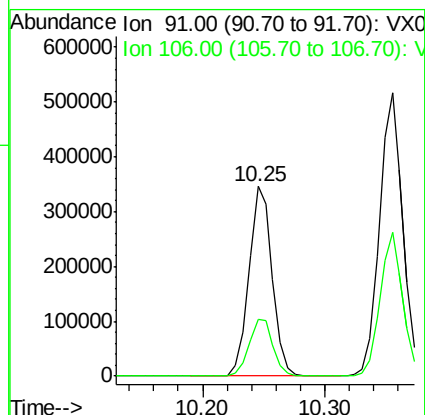
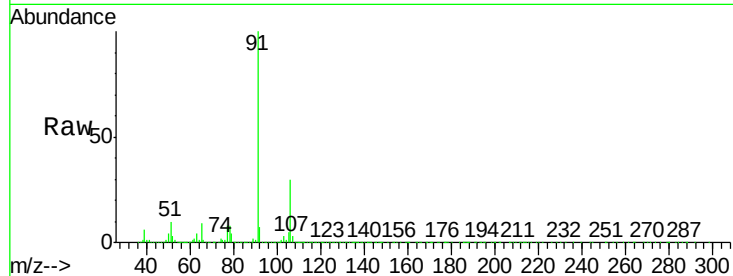




#67
Ethyl Benzene
Concen: 19.128 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

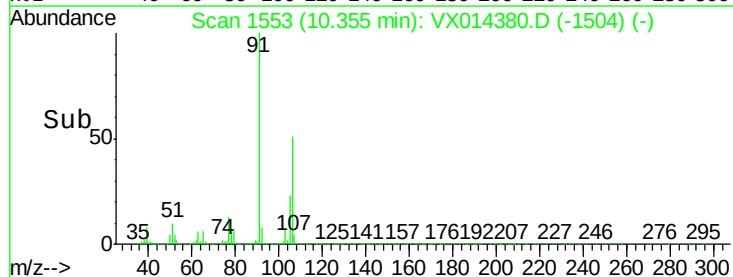
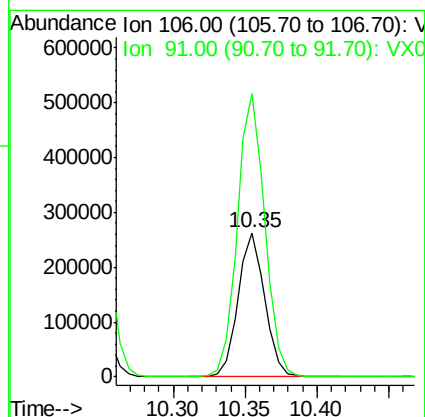
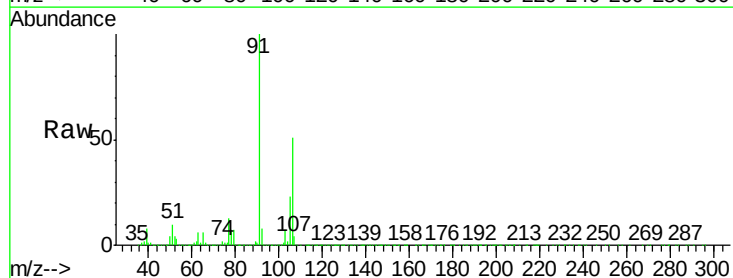
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

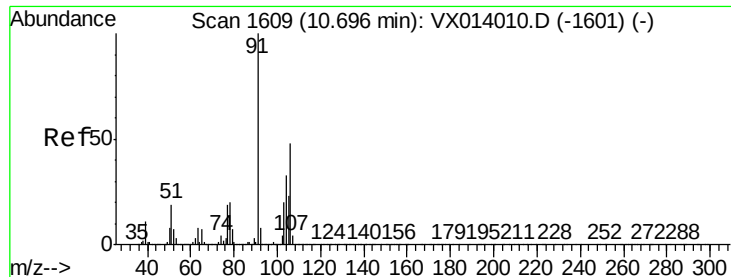
Tgt Ion: 91 Resp: 454070
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6



#68
m/p-Xylenes
Concen: 37.152 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 106 Resp: 339193
Ion Ratio Lower Upper
106 100
91 201.9 158.6 238.0

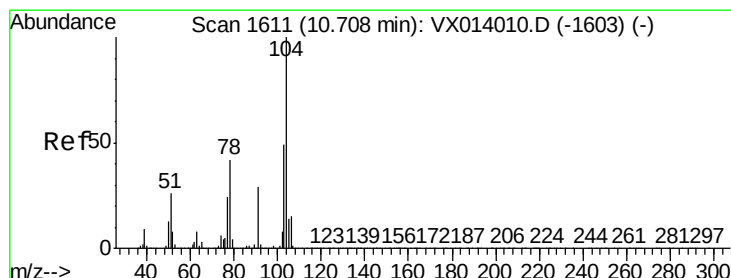
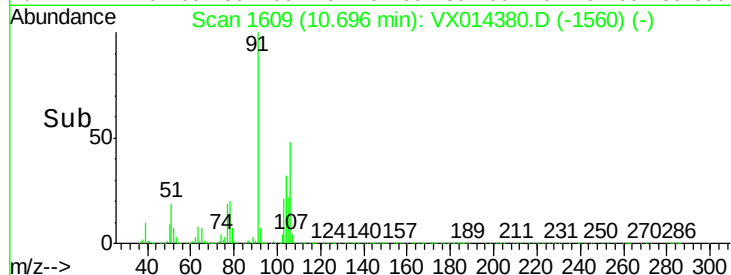
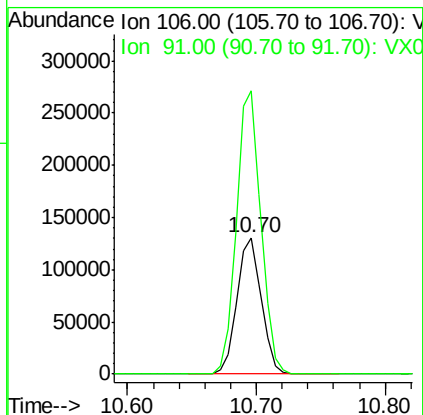
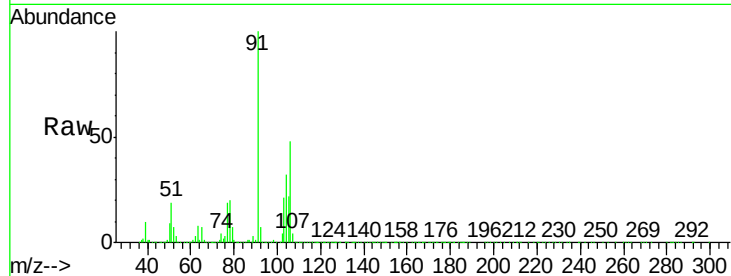




#69
o-Xylene
Concen: 18.978 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

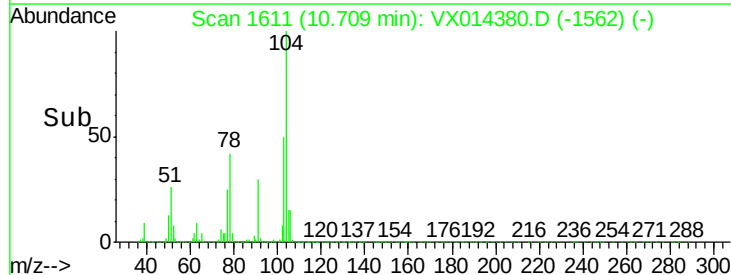
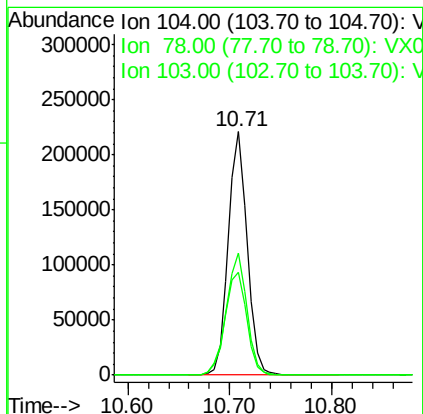
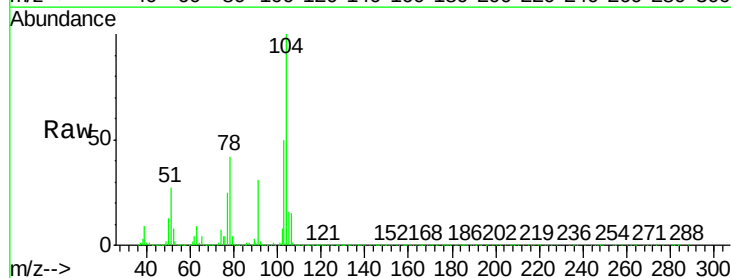
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

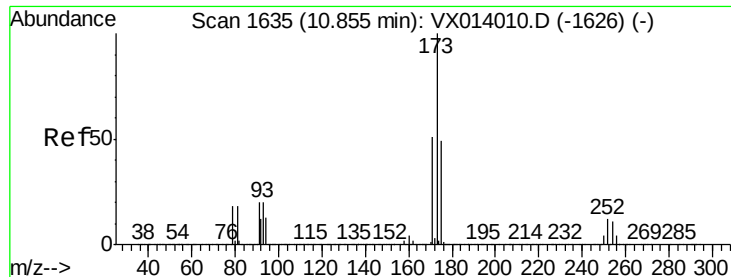
Tgt Ion:106 Resp: 169935
Ion Ratio Lower Upper
106 100
91 210.0 104.2 312.6



#70
Styrene
Concen: 18.627 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion:104 Resp: 282043
Ion Ratio Lower Upper
104 100
78 49.6 38.5 57.7
103 54.5 42.9 64.3





#71

Bromoform

Concen: 18.205 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

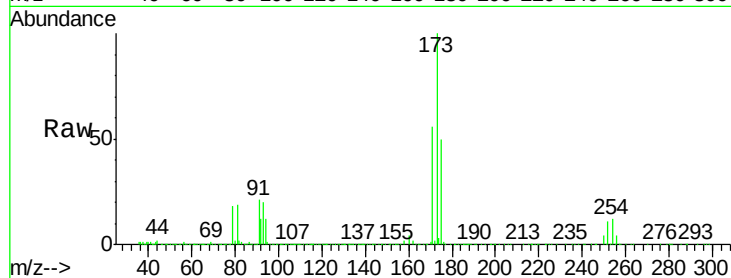
Tgt Ion:173 Resp: 72143

Ion Ratio Lower Upper

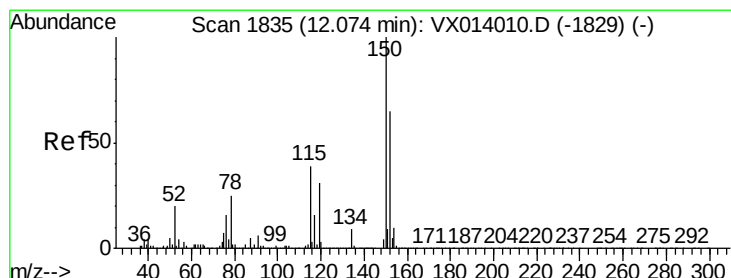
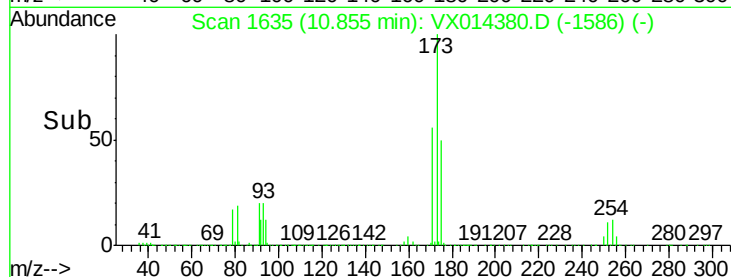
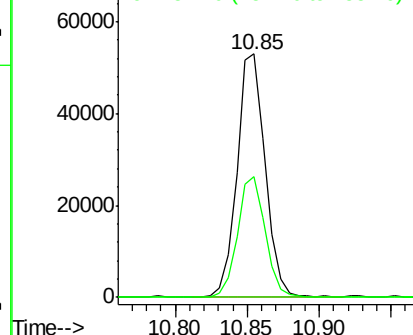
173 100

175 48.3 24.4 73.4

254 0.4 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

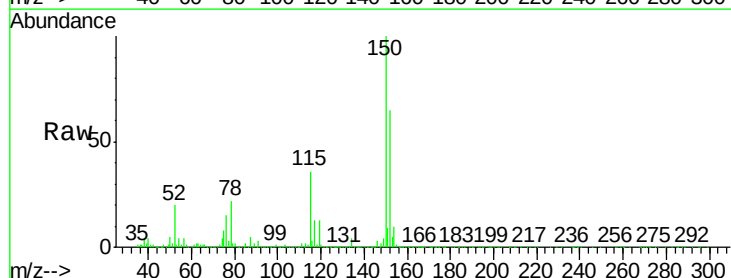
Tgt Ion:152 Resp: 321167

Ion Ratio Lower Upper

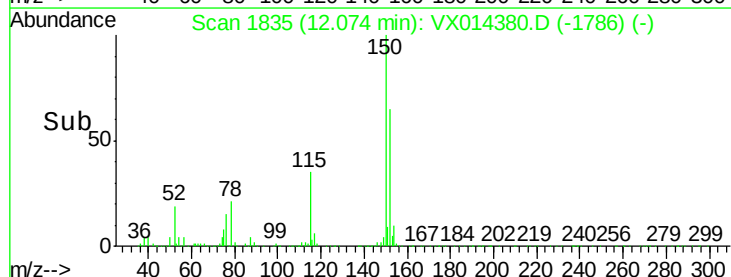
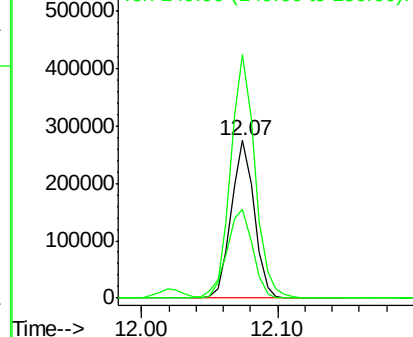
152 100

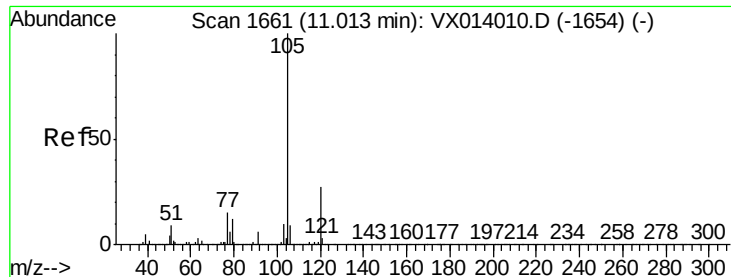
115 64.4 38.3 114.9

150 162.6 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.712 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

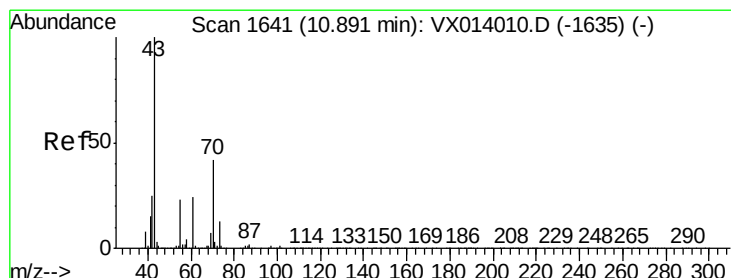
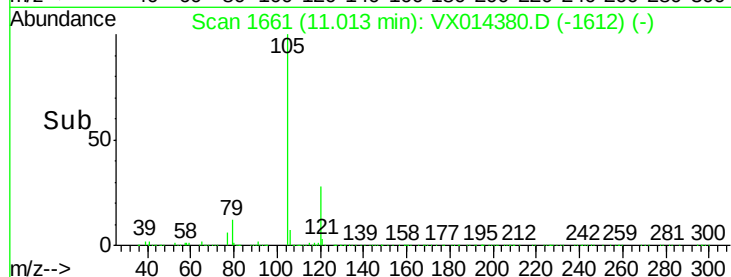
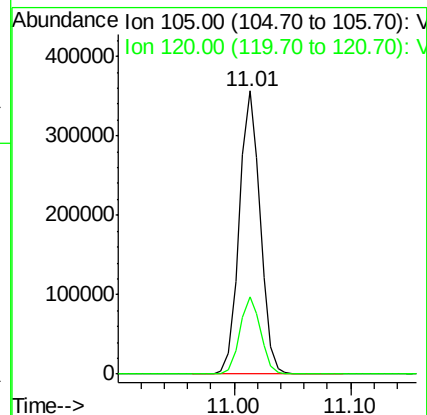
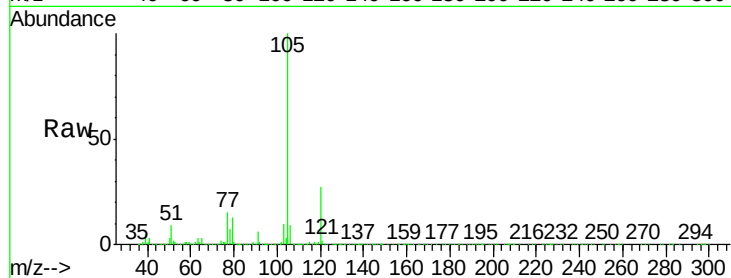
VX1231MBSD01

Tgt Ion: 105 Resp: 445743

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 18.894 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Tgt Ion: 43 Resp: 200269

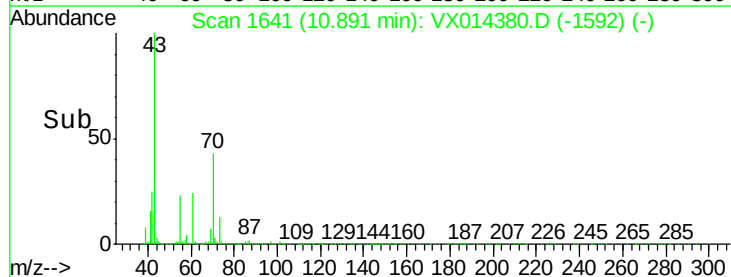
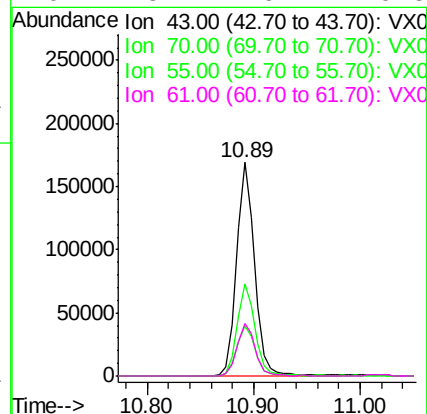
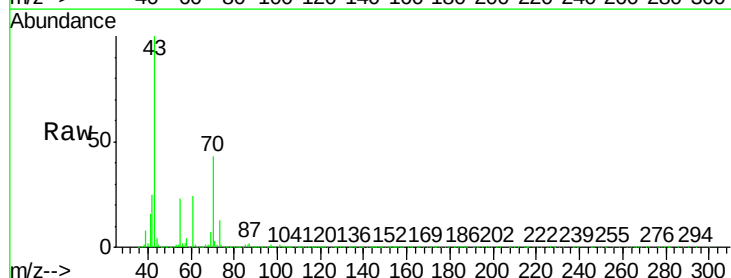
Ion Ratio Lower Upper

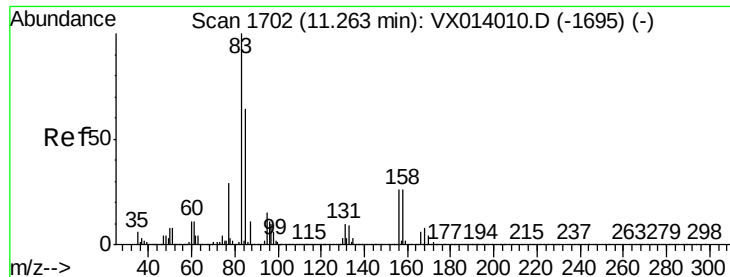
43 100

70 43.1 34.4 51.6

55 24.6 19.1 28.7

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.418 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

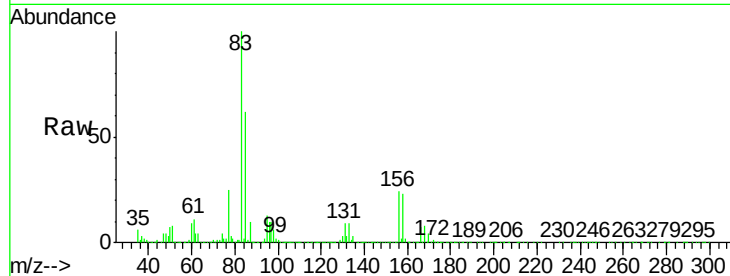
Tgt Ion: 83 Resp: 152231

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

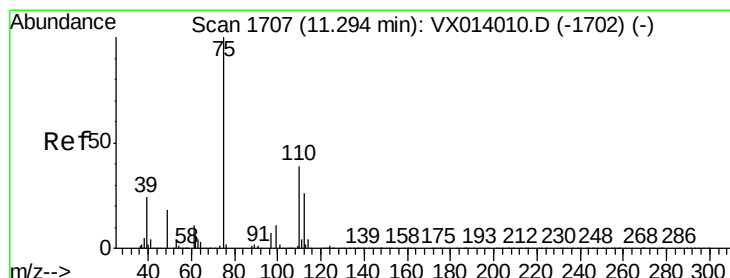
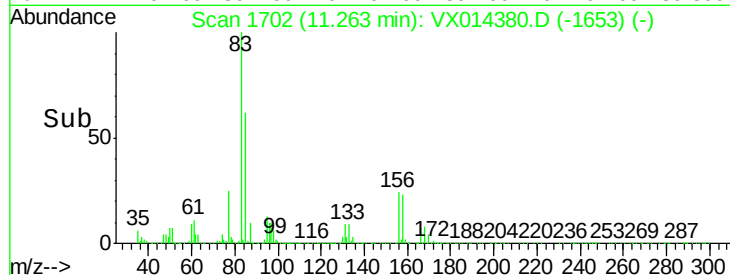
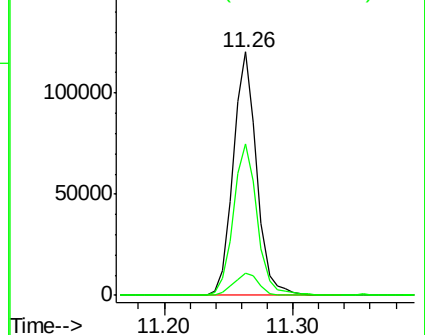
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.273 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014380.D

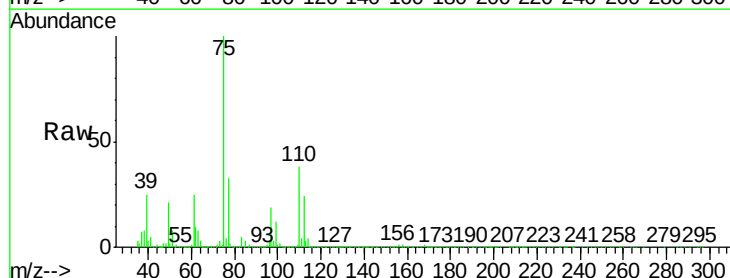
Acq: 31 Dec 2019 15:17

Tgt Ion: 75 Resp: 169243

Ion Ratio Lower Upper

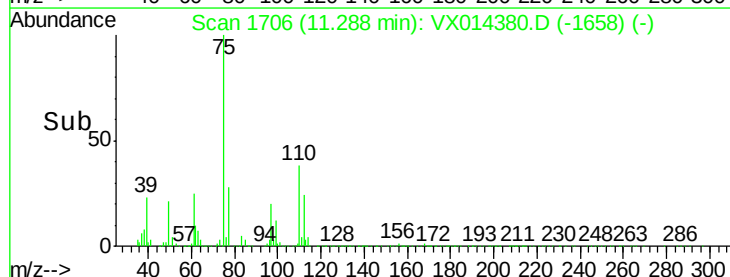
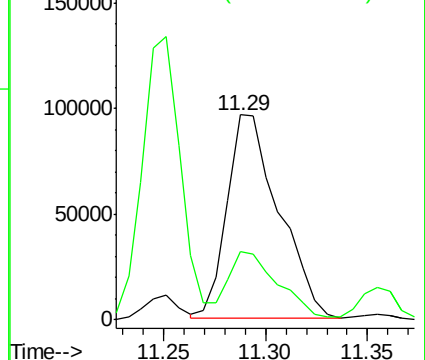
75 100

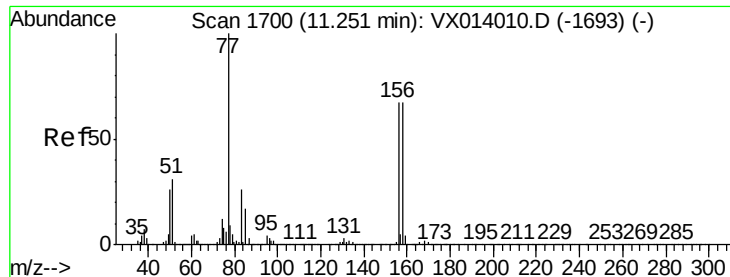
77 31.6 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.207 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

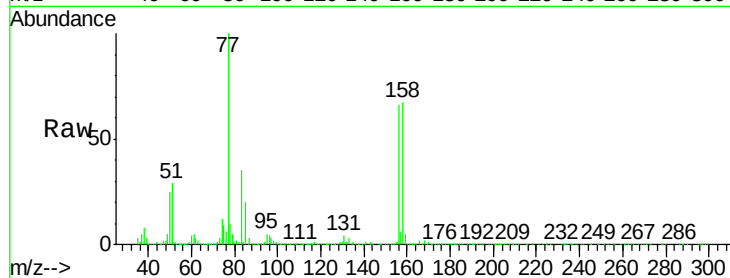
Tgt Ion:156 Resp: 113275

Ion Ratio Lower Upper

156 100

77 155.9 76.5 229.5

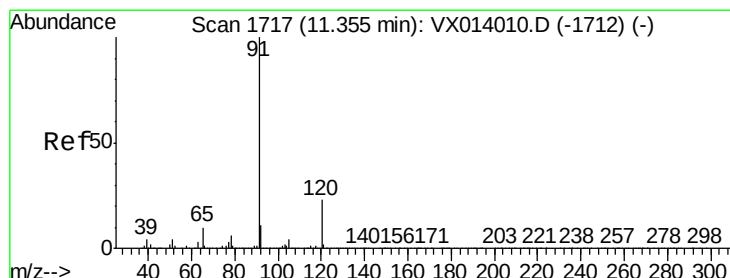
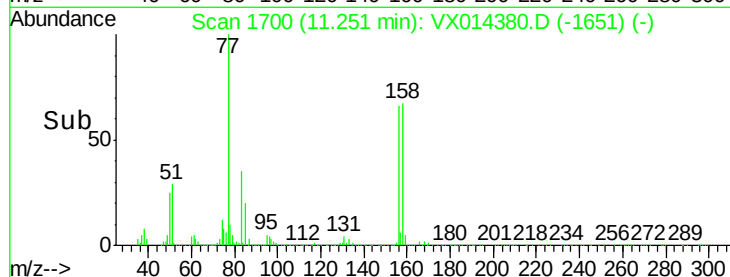
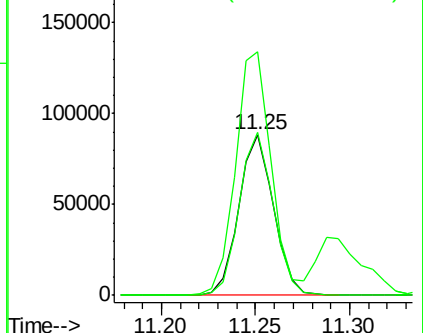
158 99.3 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.444 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014380.D

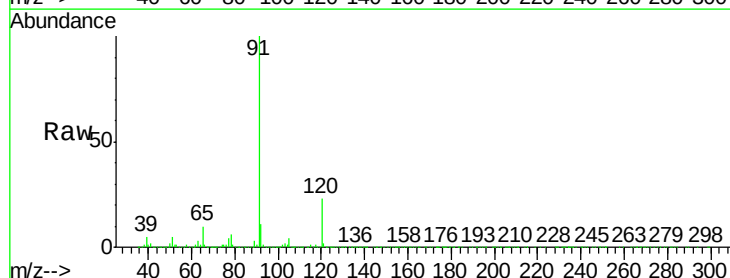
Acq: 31 Dec 2019 15:17

Tgt Ion: 91 Resp: 493172

Ion Ratio Lower Upper

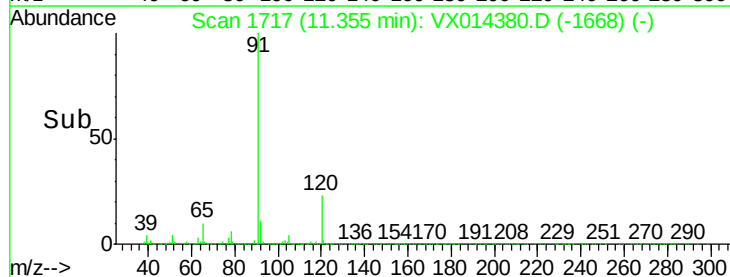
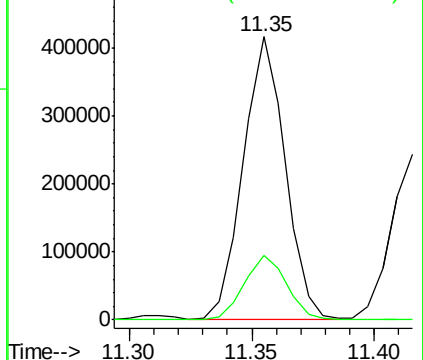
91 100

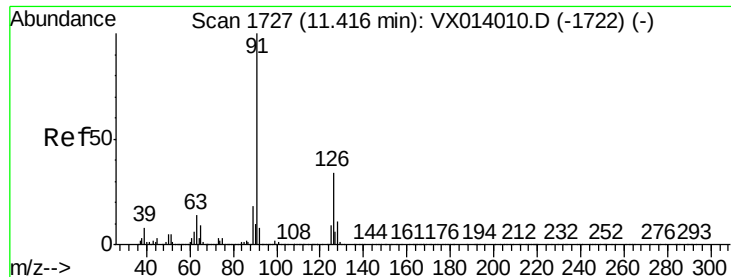
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.554 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

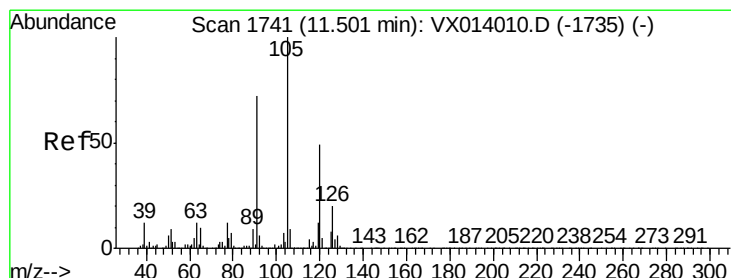
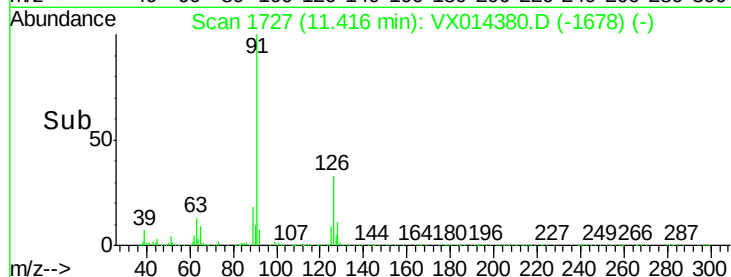
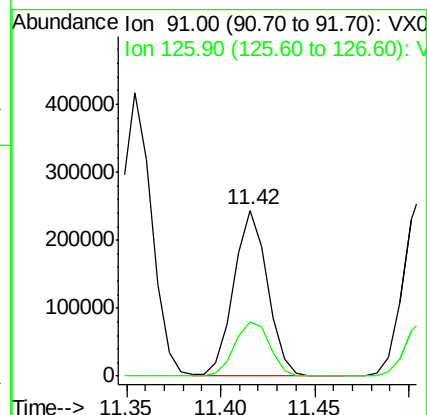
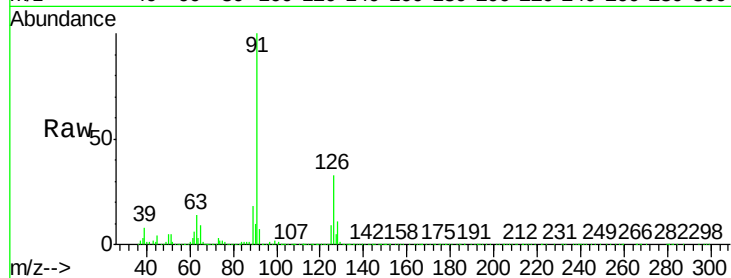
VX1231MBS01

Tgt Ion: 91 Resp: 301492

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 19.081 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014380.D

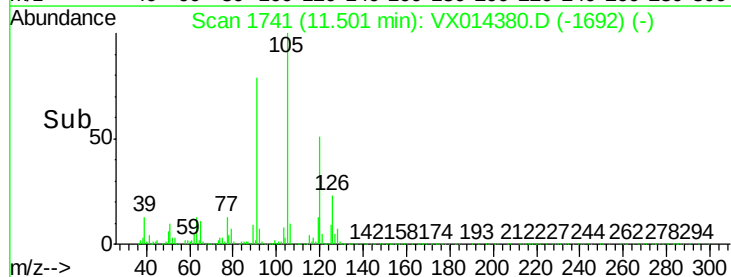
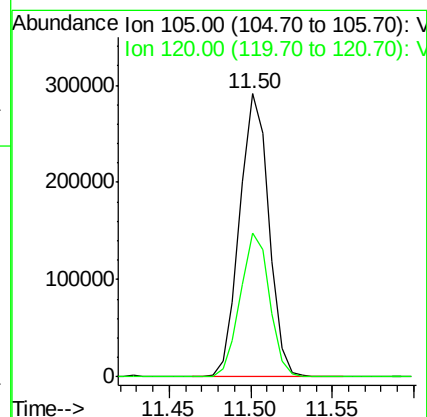
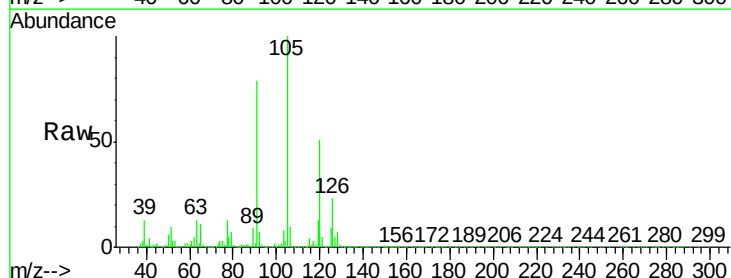
Acq: 31 Dec 2019 15:17

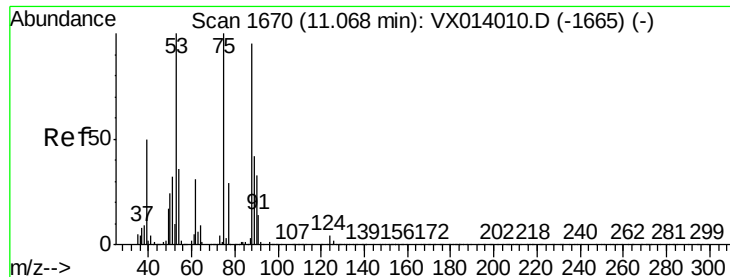
Tgt Ion: 105 Resp: 363131

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.049 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

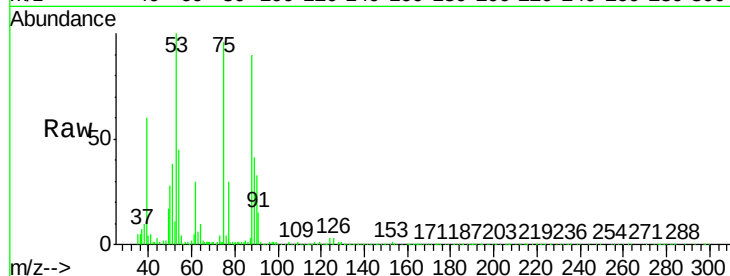
Tgt Ion: 75 Resp: 44587

Ion Ratio Lower Upper

75 100

53 102.9 76.7 115.1

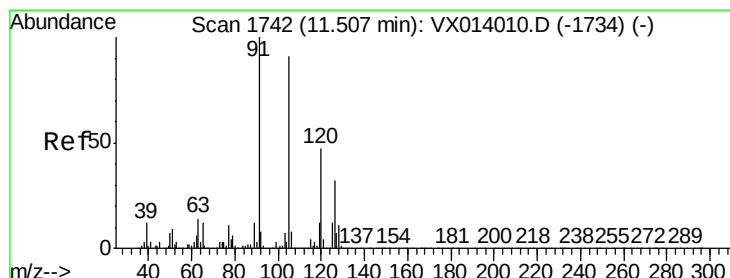
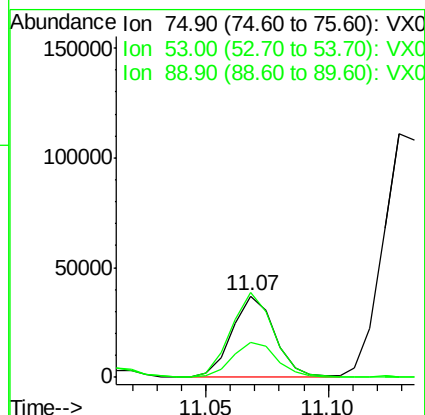
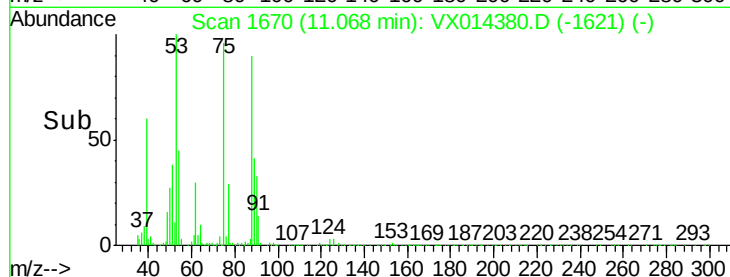
89 45.5 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.172 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014380.D

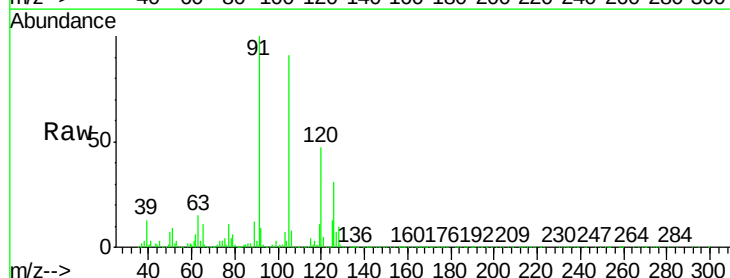
Acq: 31 Dec 2019 15:17

Tgt Ion: 91 Resp: 342881

Ion Ratio Lower Upper

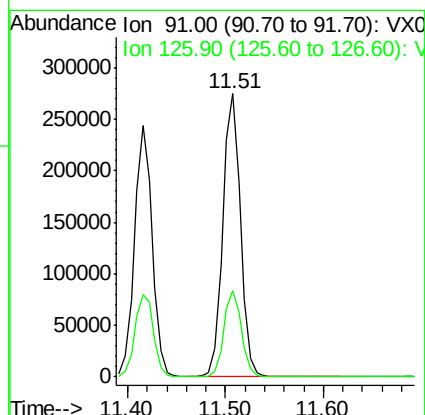
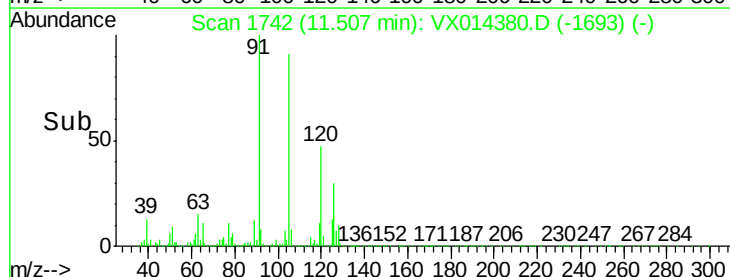
91 100

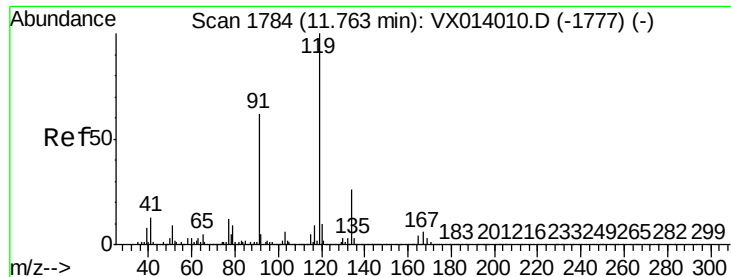
126 30.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

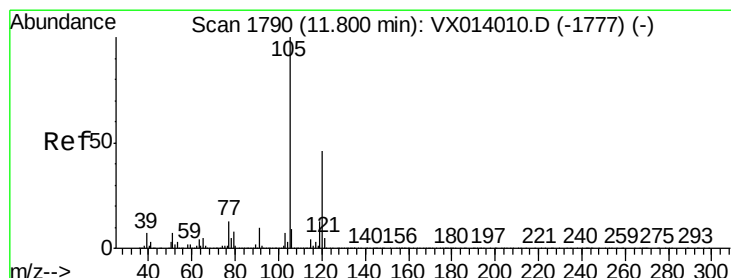
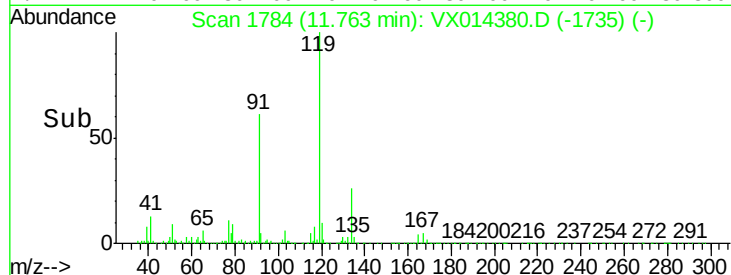
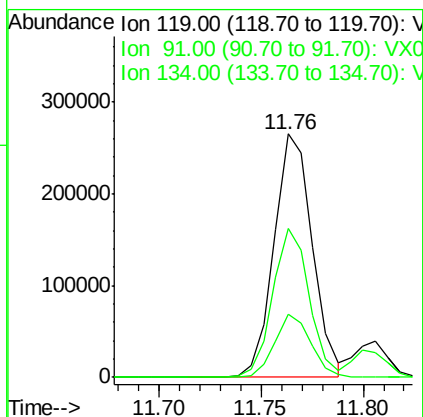
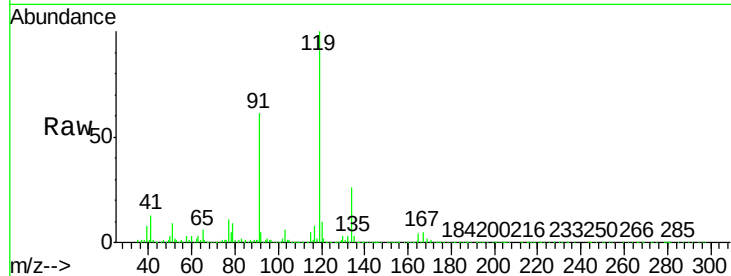




#83
tert-Butylbenzene
Concen: 18.712 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

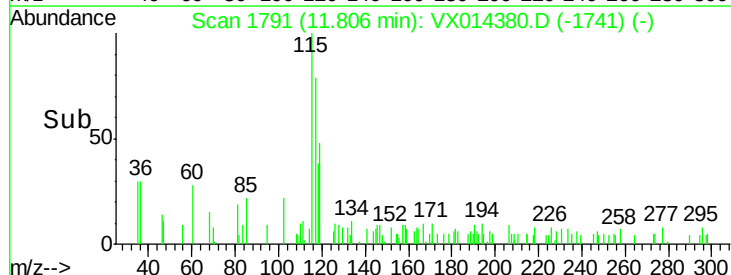
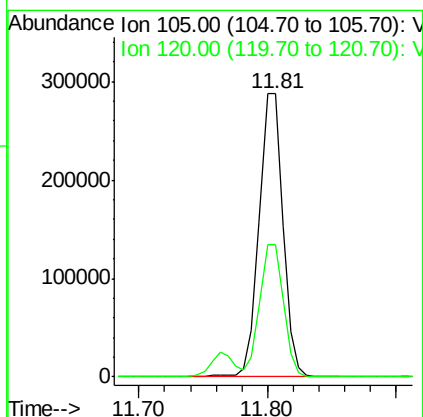
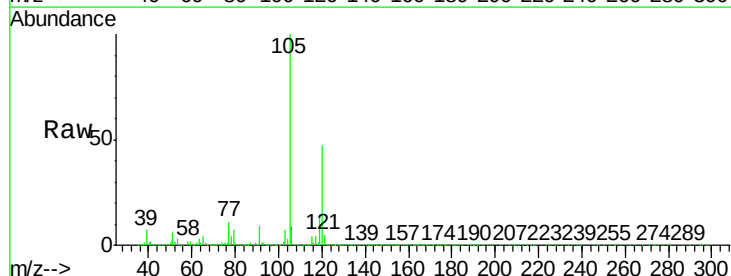
Instrument :
MSVOA_X
ClientSampled :
VX1231MBSD01

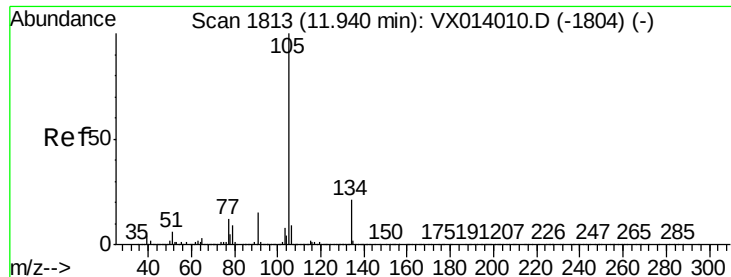
Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.7	28.5	85.6
134	24.5	12.2	36.6



#84
1,2,4-Trimethylbenzene
Concen: 19.305 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.422 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

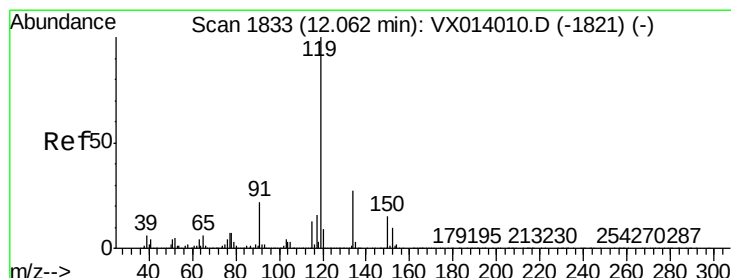
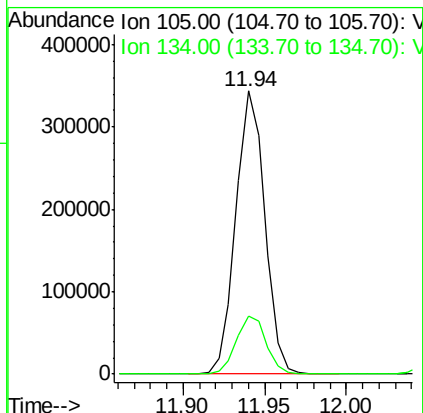
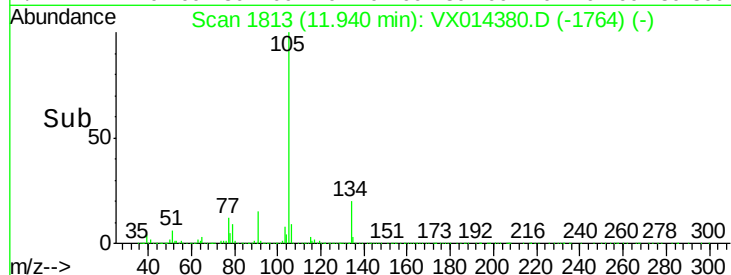
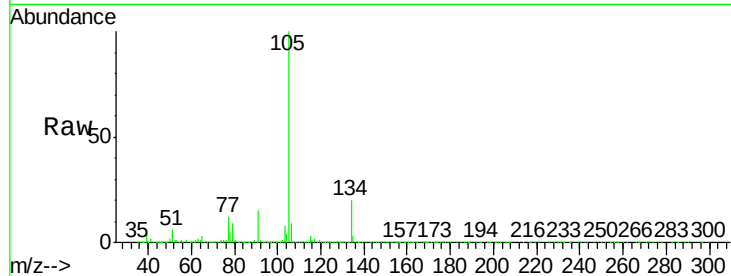
VX1231MBSD01

Tgt Ion:105 Resp: 424626

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1



#86

p-Isopropyltoluene

Concen: 19.313 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

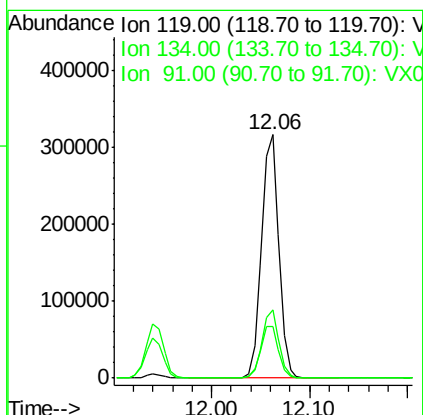
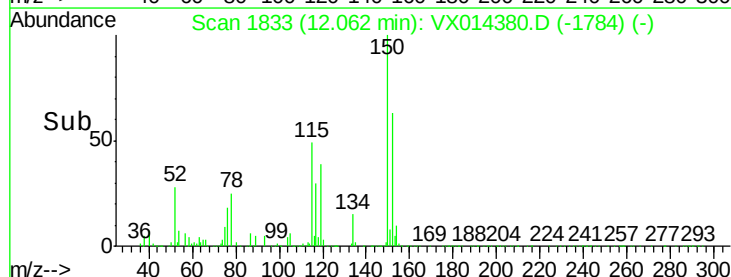
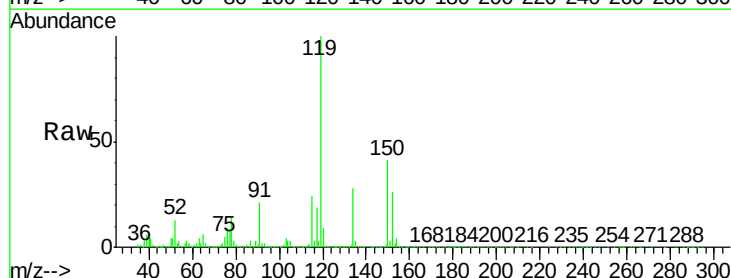
Tgt Ion:119 Resp: 386253

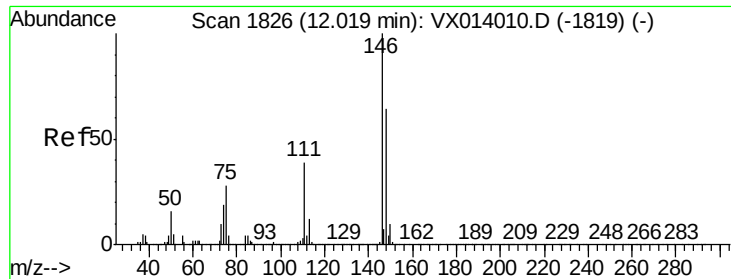
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.1 11.4 34.1

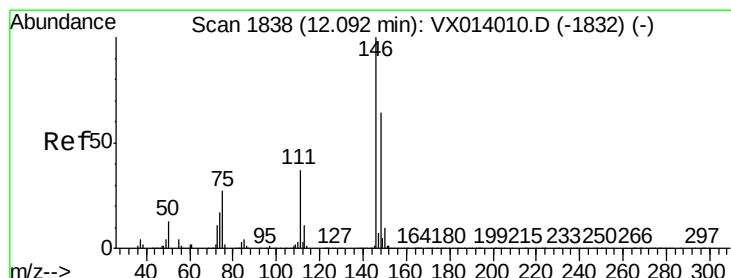
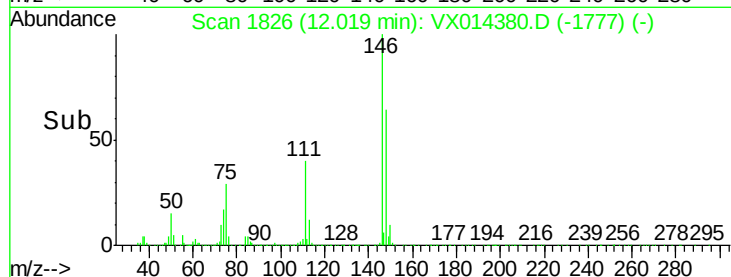
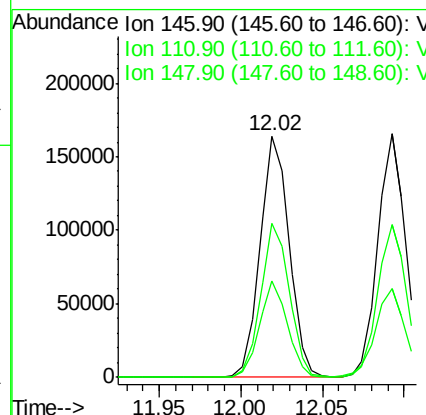
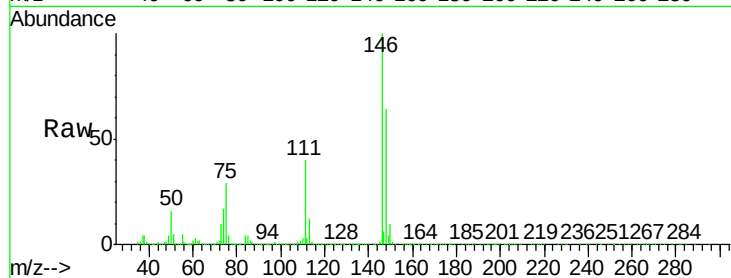




#87
 1,3-Dichlorobenzene
 Concen: 18.686 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

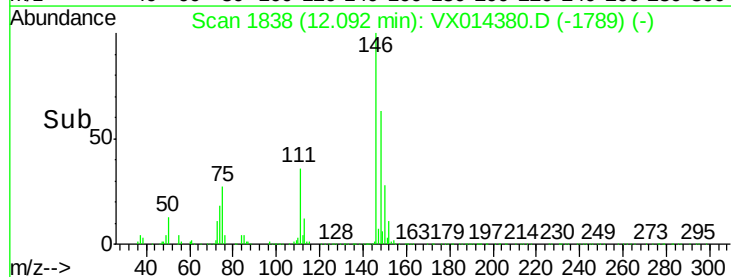
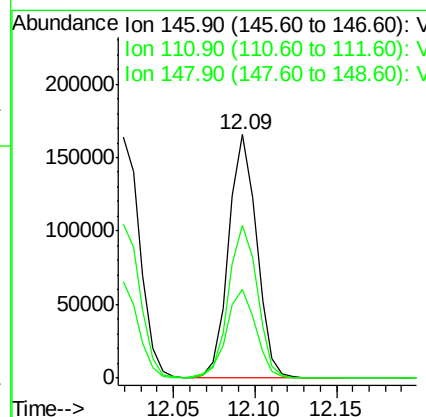
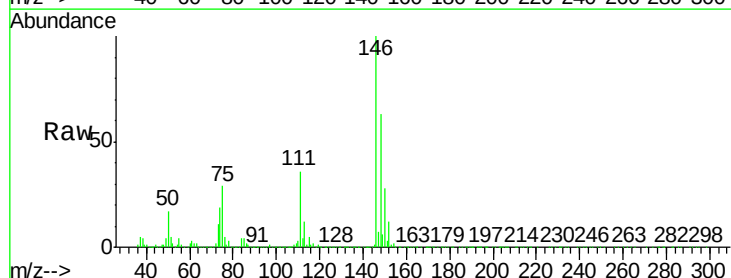
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

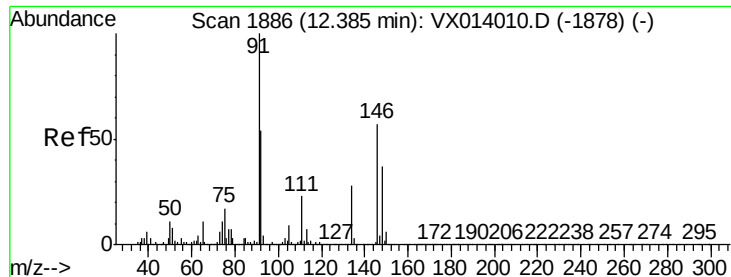
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	62.9	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 17.849 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	64.4	31.9	95.9

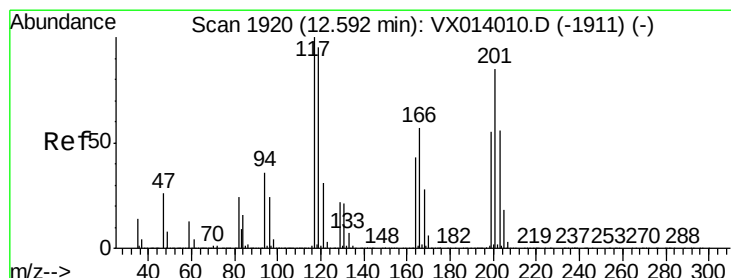
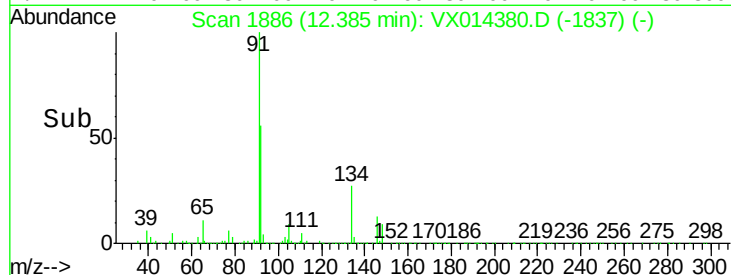
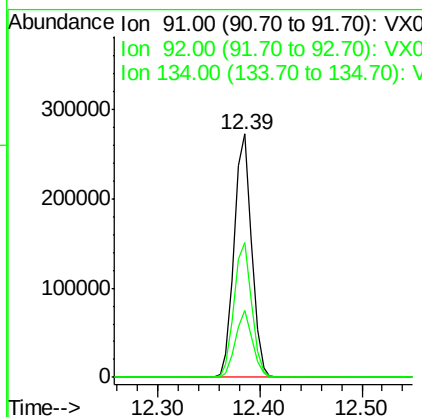
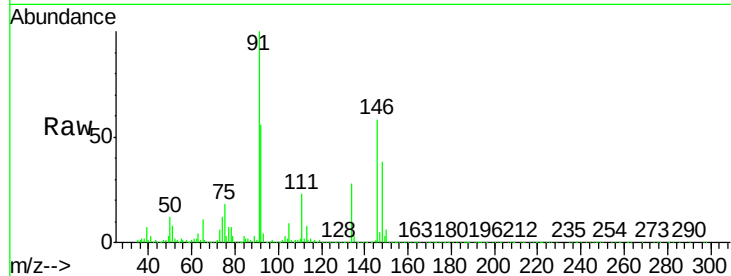




#89
n-Butylbenzene
Concen: 18.750 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

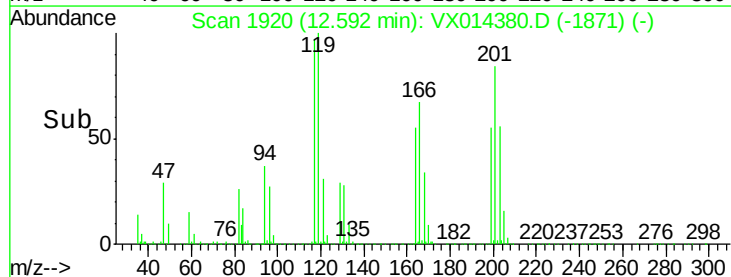
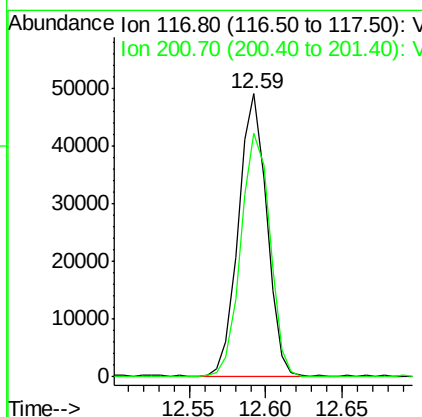
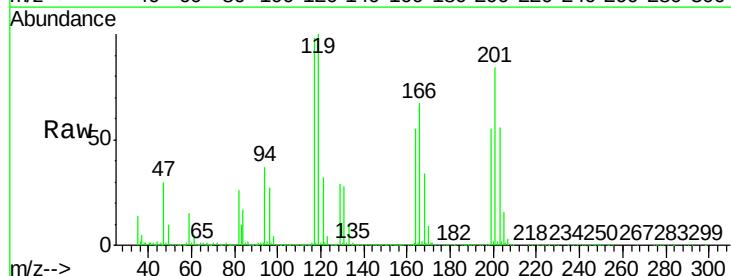
Instrument :
MSVOA_X
ClientSampleId :
VX1231MBS01

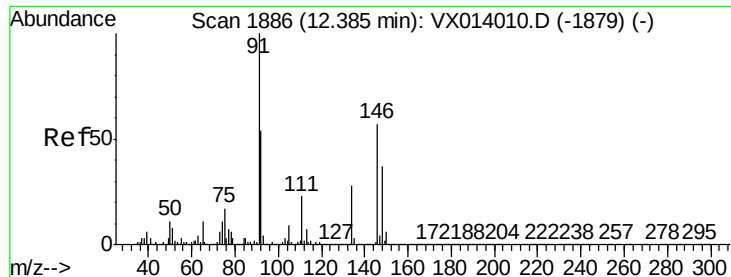
Tgt Ion: 91 Resp: 319966
Ion Ratio Lower Upper
91 100
92 55.5 27.2 81.6
134 26.7 13.4 40.1



#90
Hexachloroethane
Concen: 17.577 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion: 117 Resp: 63141
Ion Ratio Lower Upper
117 100
201 88.5 43.1 129.3

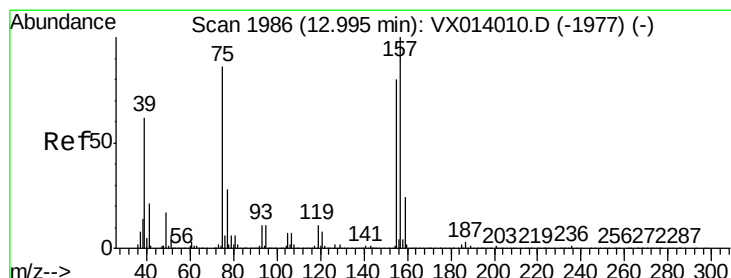
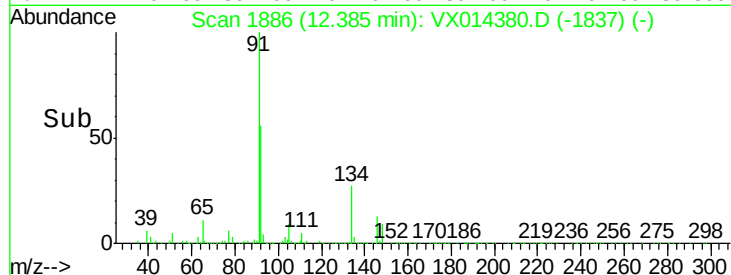
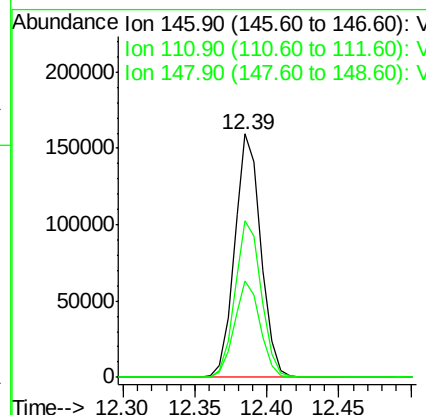
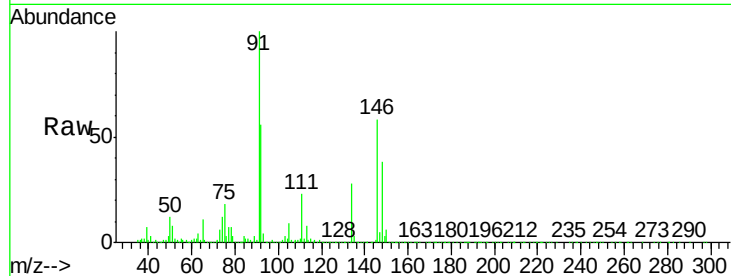




#91
 1,2-Dichlorobenzene
 Concen: 18.484 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

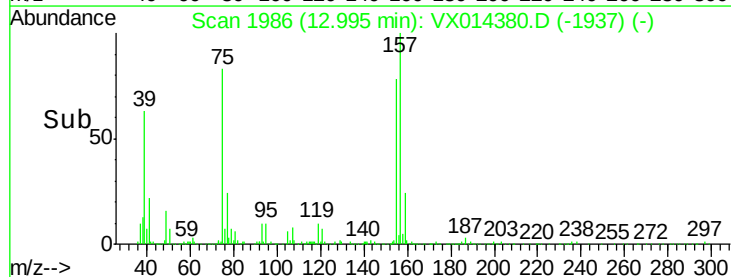
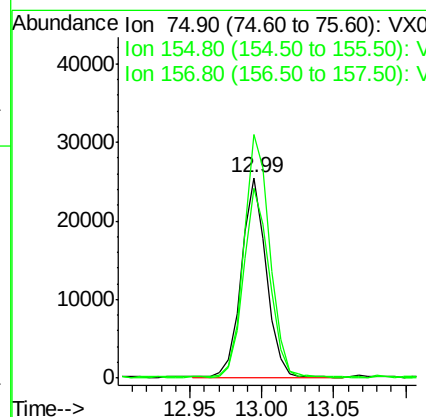
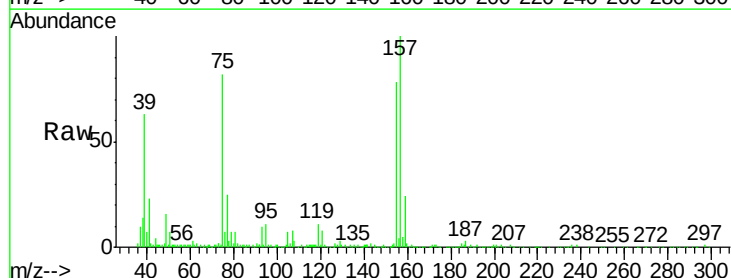
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231MBSD01

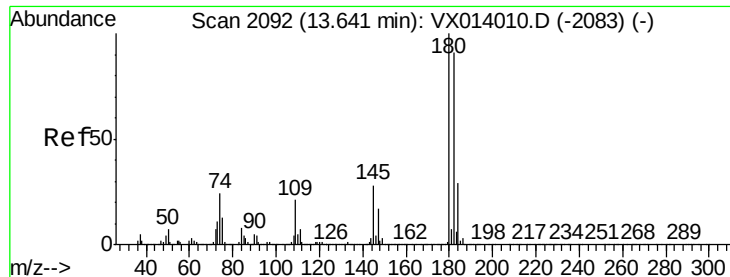
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.9	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.630 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014380.D
 Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	46.9	140.6
157	125.6	60.8	182.4





#93

1,2,4-Trichlorobenzene

Concen: 18.617 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1231MBSD01

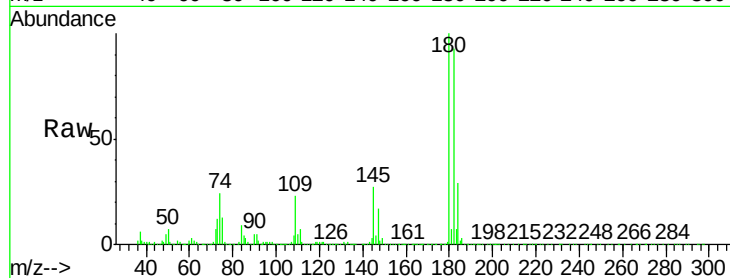
Tgt Ion:180 Resp: 132822

Ion Ratio Lower Upper

180 100

182 95.5 46.6 139.8

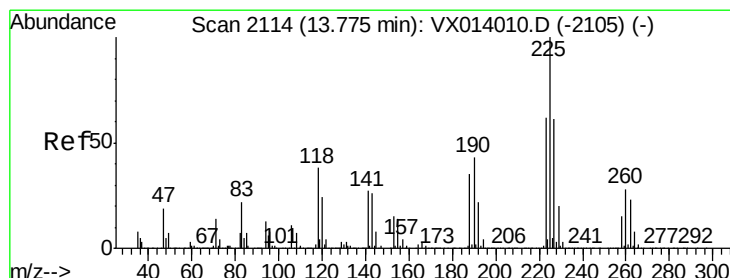
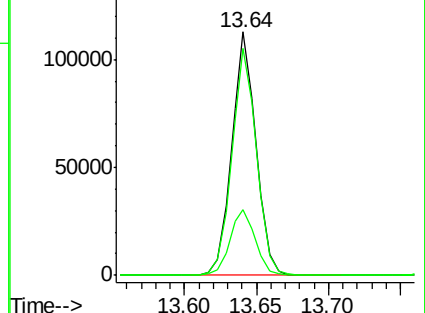
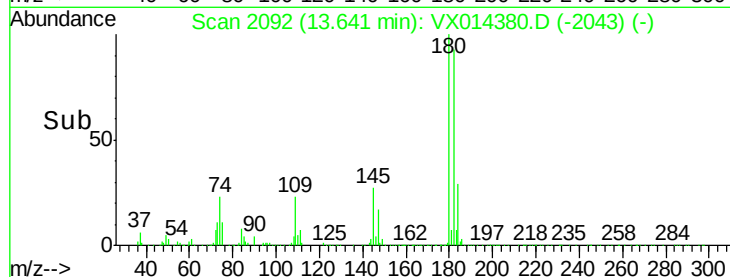
145 28.2 14.2 42.6



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: 18.375 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014380.D

Acq: 31 Dec 2019 15:17

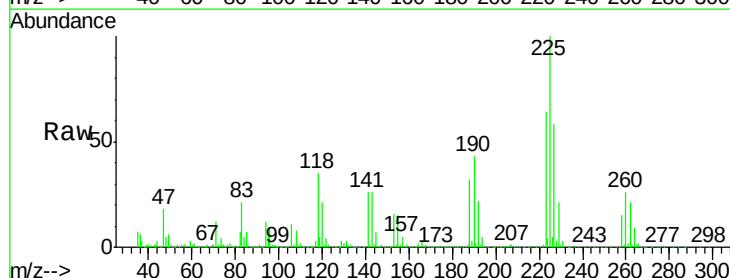
Tgt Ion:225 Resp: 63004

Ion Ratio Lower Upper

225 100

223 64.1 30.9 92.5

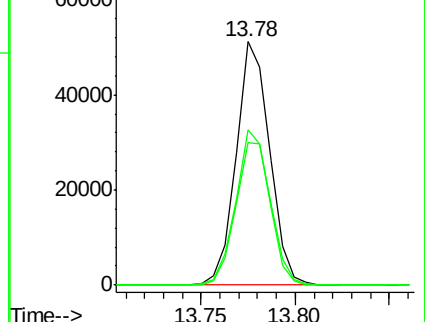
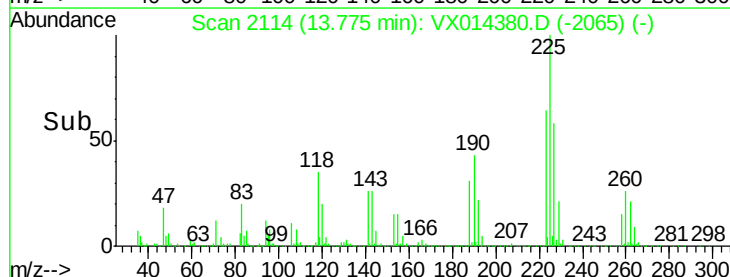
227 62.7 30.9 92.7

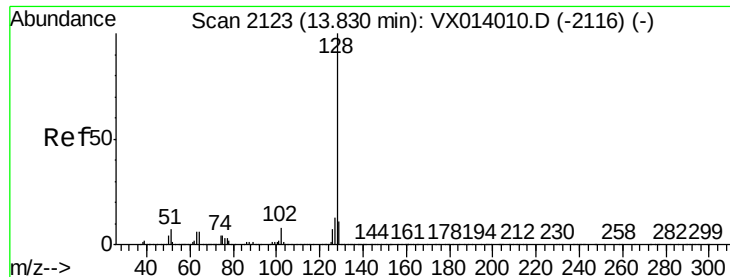


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

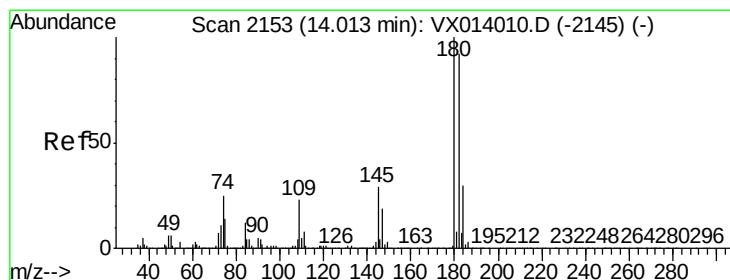
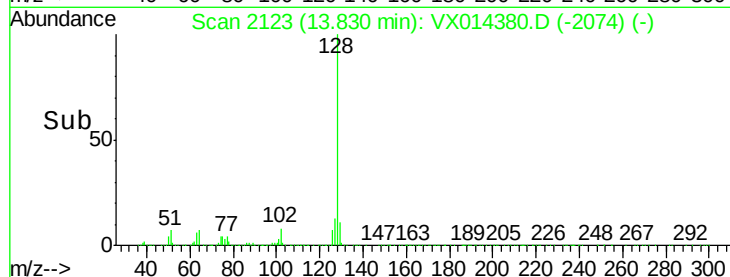
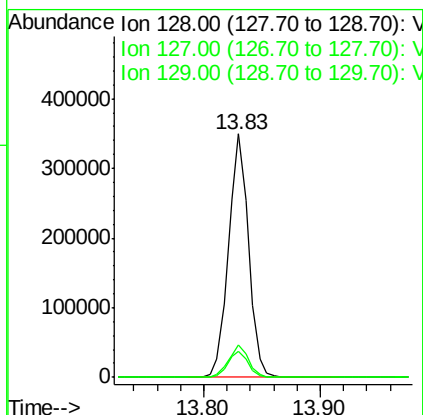
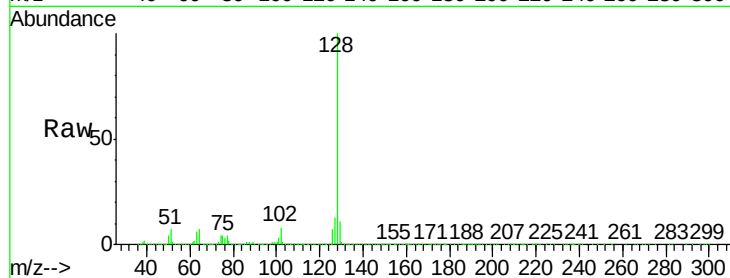




#95
Naphthalene
Concen: 19.899 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VX1231MBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.249 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014380.D
Acq: 31 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.8	140.3
145	30.3	14.8	44.4

