

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX0137846.D
 Acq On : 09 Dec 2019 11:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 03:23:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	591557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	889832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	810529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	415045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	323224	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	5.48	113	269382	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	8.71	98	986539	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.13	95	368838	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	287825	43.713	ug/l	99
3) Chloromethane	1.32	50	322941	43.711	ug/l	99
4) Vinyl Chloride	1.40	62	375901	45.205	ug/l	98
5) Bromomethane	1.63	94	238925	42.784	ug/l	99
6) Chloroethane	1.71	64	211558	44.709	ug/l	99
7) Trichlorofluoromethane	1.92	101	408436	44.234	ug/l	98
8) Diethyl Ether	2.18	74	203608	48.741	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	259380	45.989	ug/l	99
10) Methyl Iodide	2.50	142	289622	42.451	ug/l	100
11) Tert butyl alcohol	3.03	59	375380	221.475	ug/l	99
12) 1,1-Dichloroethene	2.36	96	250675	44.528	ug/l	100
13) Acrolein	2.28	56	458719	400.975	ug/l	99
14) Allyl chloride	2.72	41	485925	47.563	ug/l	100
15) Acrylonitrile	3.12	53	868616	248.276	ug/l	100
16) Acetone	2.43	43	912098	269.044	ug/l	99
17) Carbon Disulfide	2.56	76	659597	41.100	ug/l	100
18) Methyl Acetate	2.76	43	497077	52.655	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	941221	50.468	ug/l	99
20) Methylene Chloride	2.84	84	305185	46.857	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	277358	45.225	ug/l	99
22) Diisopropyl ether	3.84	45	998870	50.776	ug/l	91
23) Vinyl Acetate	3.80	43	4162715	254.364	ug/l	100
24) 1,1-Dichloroethane	3.69	63	524966	48.816	ug/l	99
25) 2-Butanone	4.65	43	1299587	257.936	ug/l	99
26) 2,2-Dichloropropane	4.57	77	409349	46.007	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	330334	46.902	ug/l	100
28) Bromochloromethane	5.00	49	223779	52.657	ug/l	99
29) Tetrahydrofuran	5.11	42	786975	253.371	ug/l	99
30) Chloroform	5.20	83	512431	46.985	ug/l	96
31) Cyclohexane	5.57	56	446130	43.983	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	422172	46.321	ug/l	99
36) 1,1-Dichloropropene	5.79	75	371918	46.044	ug/l	99
37) Ethyl Acetate	4.81	43	473864	52.293	ug/l	100
38) Carbon Tetrachloride	5.77	117	356521	47.867	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	450423	45.112	ug/l	97
40) Benzene	6.13	78	1172824	47.673	ug/l	99
41) Methacrylonitrile	5.03	41	266231	53.572	ug/l	99
42) 1,2-Dichloroethane	6.18	62	421287	50.213	ug/l	99
43) Isopropyl Acetate	6.43	43	767888	51.473	ug/l	100
44) Trichloroethene	7.20	130	312901	46.344	ug/l	94
45) 1,2-Dichloropropane	7.50	63	313062	50.862	ug/l	99
46) Dibromomethane	7.65	93	206266	49.341	ug/l	98
47) Bromodichloromethane	7.89	83	412732	52.225	ug/l	99
48) Methyl methacrylate	7.76	41	383422	52.897	ug/l	99
49) 1,4-Dioxane	7.73	88	147679	910.201	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2441931	260.223	ug/l	99
52) Toluene	8.78	92	735787	48.143	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	459055	51.032	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	510607	51.956	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	321563	52.211	ug/l	99
56) Ethyl methacrylate	9.17	69	521484	52.665	ug/l	99
57) 1,3-Dichloropropane	9.37	76	535976	50.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	949042	244.455	ug/l	99
59) 2-Hexanone	9.48	43	1890340	258.285	ug/l	99
60) Dibromochloromethane	9.57	129	337291	52.771	ug/l	98
61) 1,2-Dibromoethane	9.67	107	328955	50.009	ug/l	99
64) Tetrachloroethene	9.33	164	279204	46.192	ug/l	98
65) Chlorobenzene	10.14	112	800209	47.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	304528	50.395	ug/l	99
67) Ethyl Benzene	10.25	91	1401289	48.458	ug/l	98
68) m/p-Xylenes	10.35	106	1074242	97.030	ug/l	100
69) o-Xylene	10.70	106	527978	48.897	ug/l	99
70) Styrene	10.71	104	911500	50.183	ug/l	99
71) Bromoform	10.85	173	261633	52.327	ug/l #	99
73) Isopropylbenzene	11.01	105	1363665	46.839	ug/l	100
74) N-amyl acetate	10.89	43	681247	51.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	505758	50.092	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	583988	62.558	ug/l	87
77) Bromobenzene	11.25	156	364501	46.344	ug/l	96
78) n-propylbenzene	11.35	91	1566211	48.191	ug/l	100
79) 2-Chlorotoluene	11.42	91	932830	47.848	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1158261	48.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	173915	50.969	ug/l	98
82) 4-Chlorotoluene	11.51	91	1076376	47.669	ug/l	99
83) tert-Butylbenzene	11.76	119	1164343	48.014	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1170378	48.329	ug/l	99
85) sec-Butylbenzene	11.94	105	1326154	47.877	ug/l	100
86) p-Isopropyltoluene	12.06	119	1241563	48.182	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	650431	47.441	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	648730	46.454	ug/l	99
89) n-Butylbenzene	12.39	91	1081100	49.190	ug/l	100
90) Hexachloroethane	12.59	117	224823	48.269	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	662459	48.903	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	108388	49.297	ug/l	97

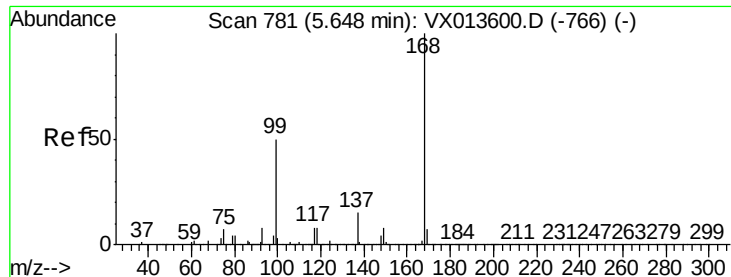
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	454736	48.167	ug/l	98
94) Hexachlorobutadiene	13.78	225	204256	45.038	ug/l	99
95) Naphthalene	13.83	128	1438622	51.169	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	452519	48.410	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

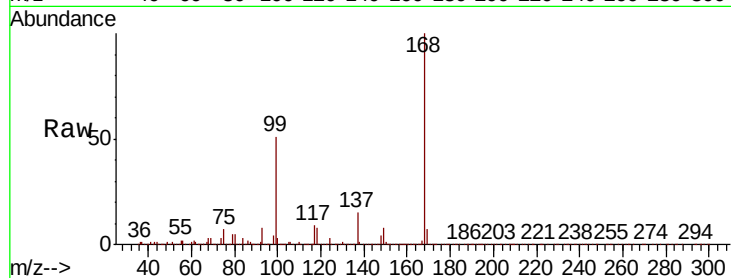
ClientSampled :

Tot Ion:168 Resp: 591557

Ion Ratio Lower Upper

168 100

99 51.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

100000

50000

0

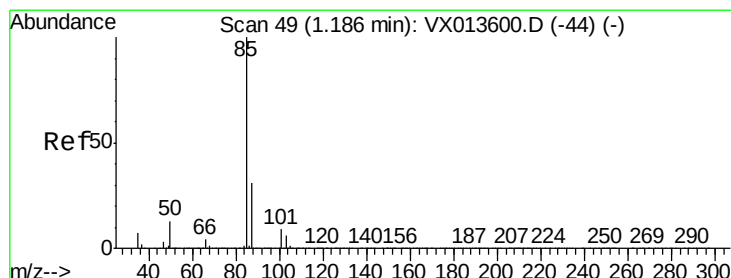
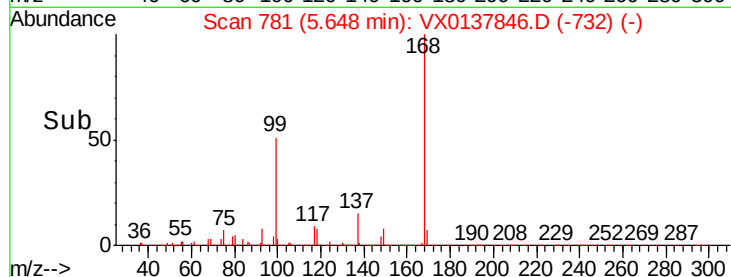
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.713 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX0137846.D

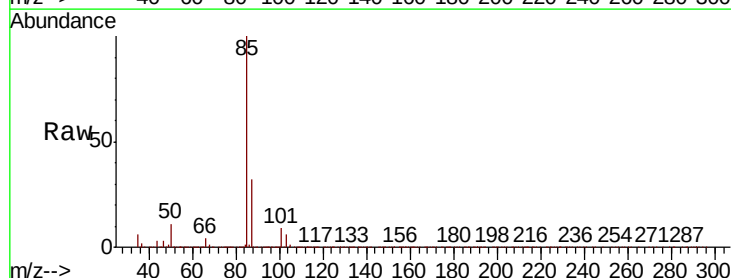
Acq: 09 Dec 2019 11:01

Tgt Ion: 85 Resp: 287825

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300000

250000

200000

150000

100000

50000

0

1.10

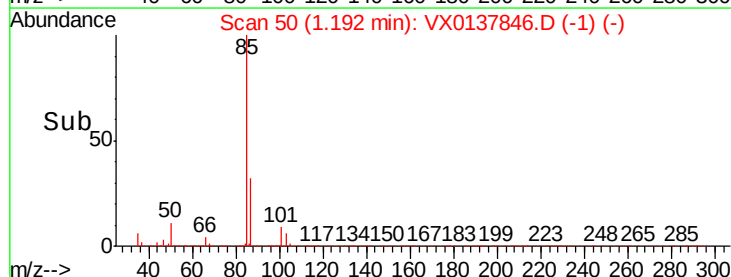
1.15

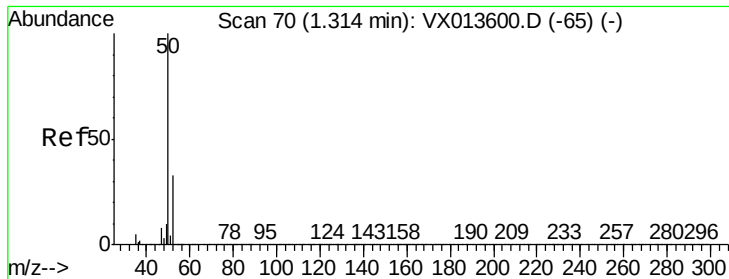
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 43.711 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

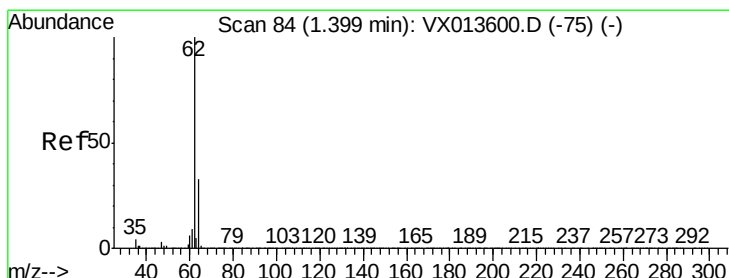
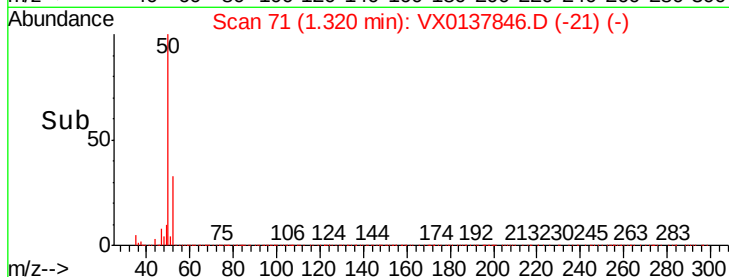
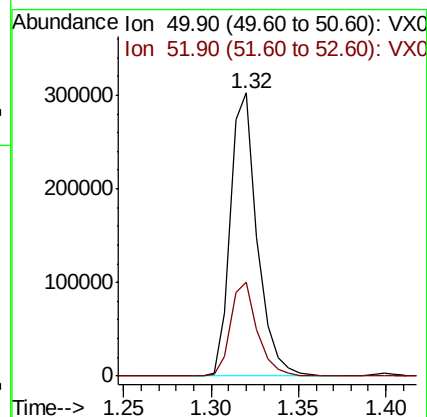
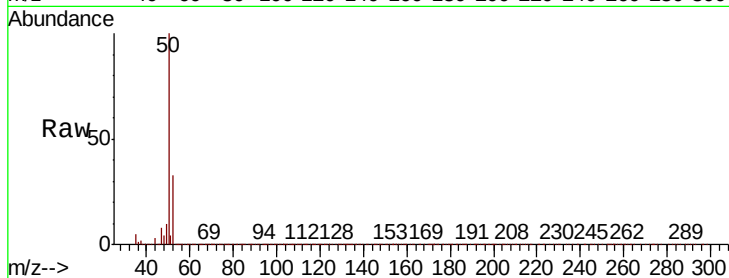
ClientSampleId :

Tot Ion: 50 Resp: 322941

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 45.205 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX0137846.D

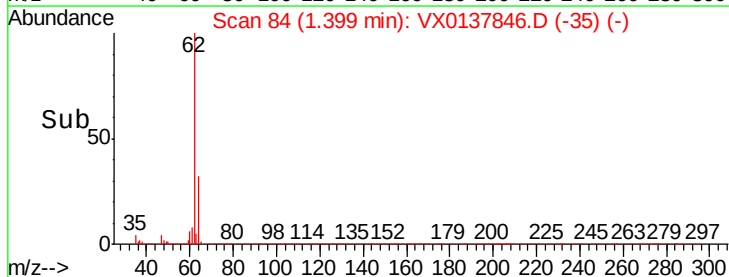
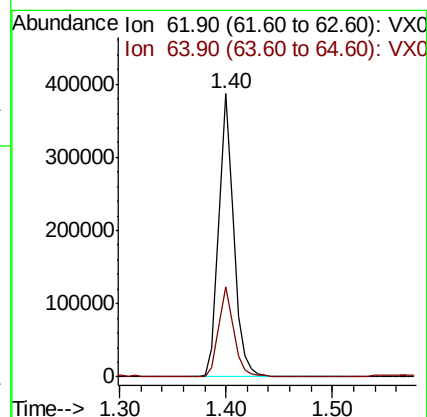
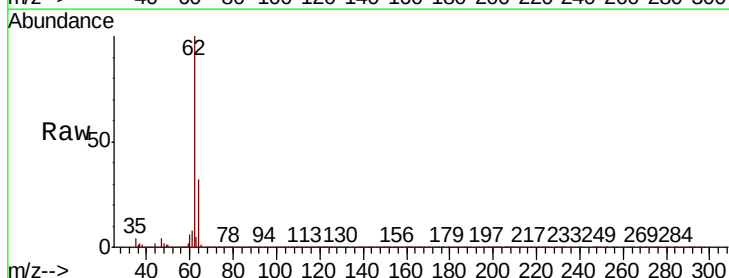
Acq: 09 Dec 2019 11:01

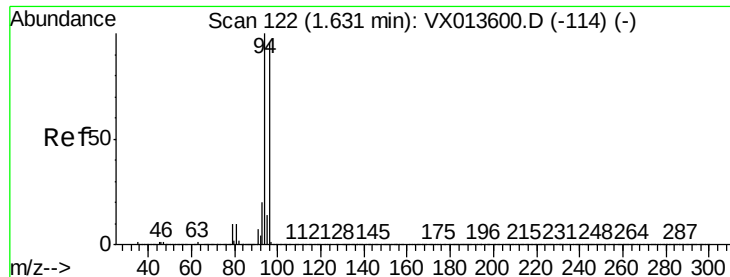
Tgt Ion: 62 Resp: 375901

Ion Ratio Lower Upper

62 100

64 31.6 26.0 39.0





#5

Bromomethane

Concen: 42.784 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

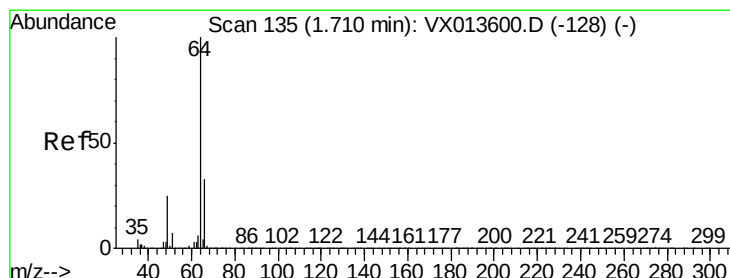
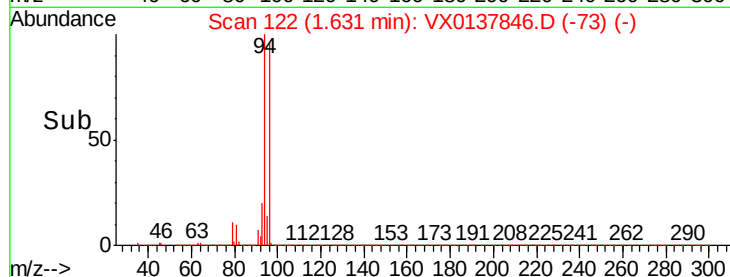
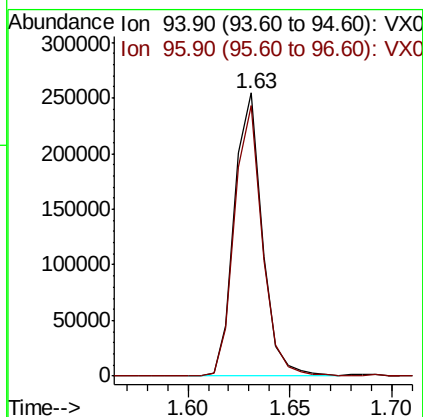
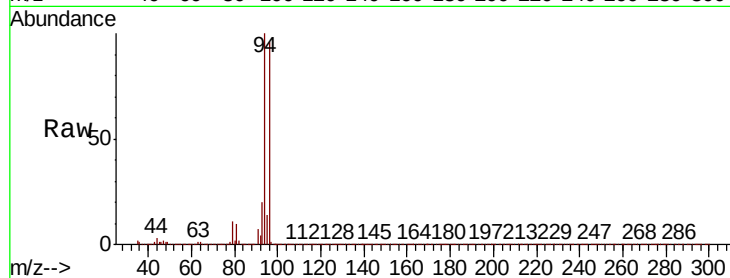
ClientSampled :

Tot Ion: 94 Resp: 238925

Ion Ratio Lower Upper

94 100

96 95.5 77.0 115.4



#6

Chloroethane

Concen: 44.709 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX0137846.D

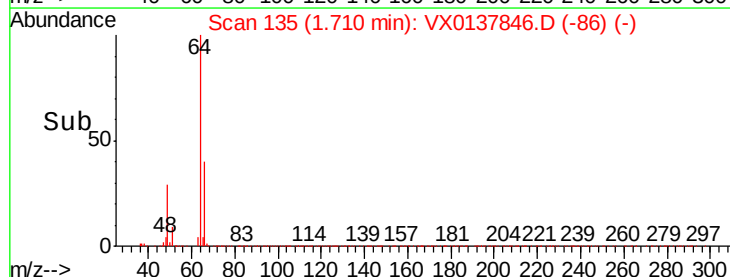
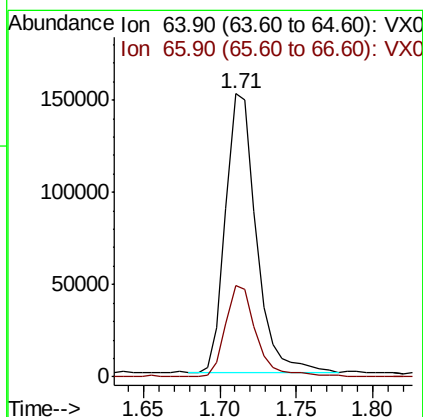
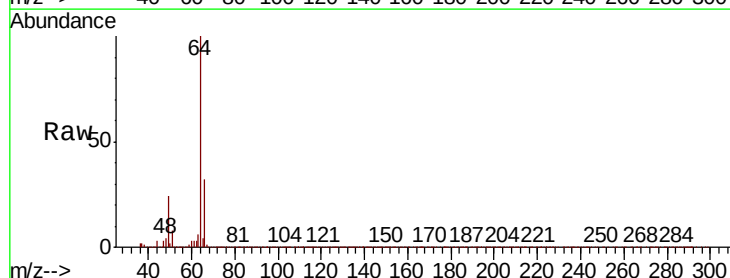
Acq: 09 Dec 2019 11:01

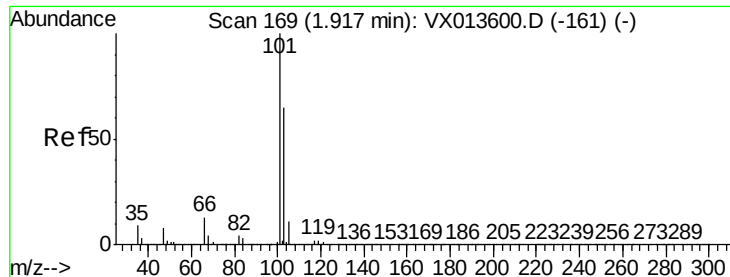
Tgt Ion: 64 Resp: 211558

Ion Ratio Lower Upper

64 100

66 32.6 26.7 40.1



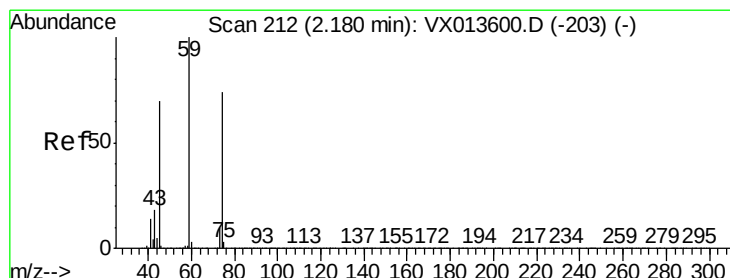
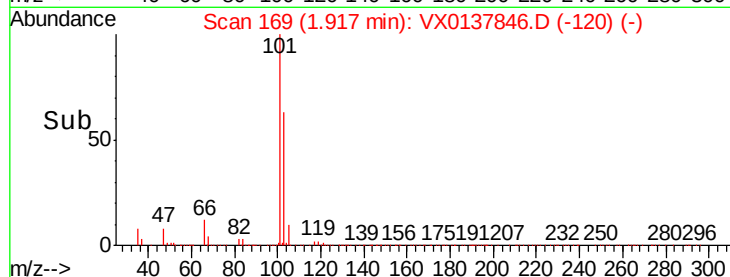
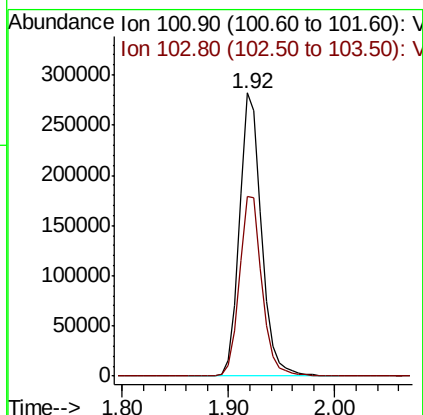
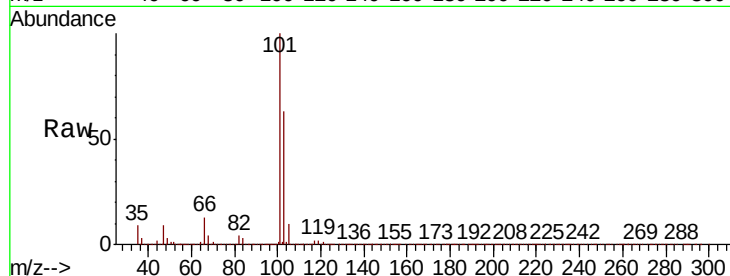


#7

Trichlorofluoromethane
Concen: 44.234 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

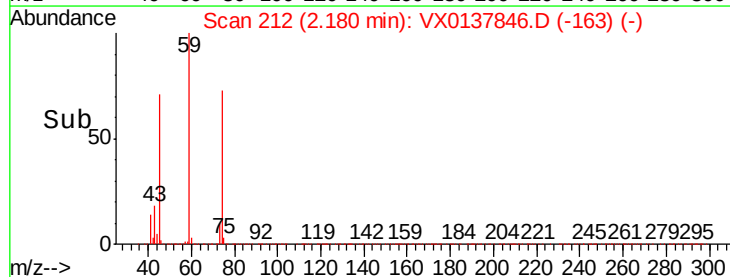
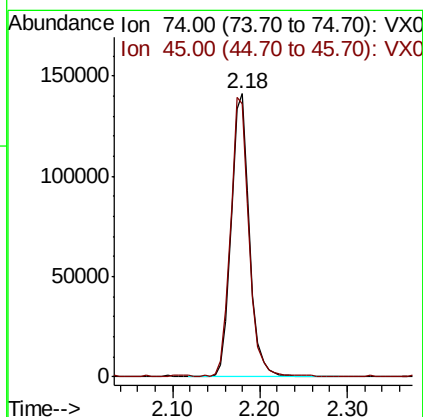
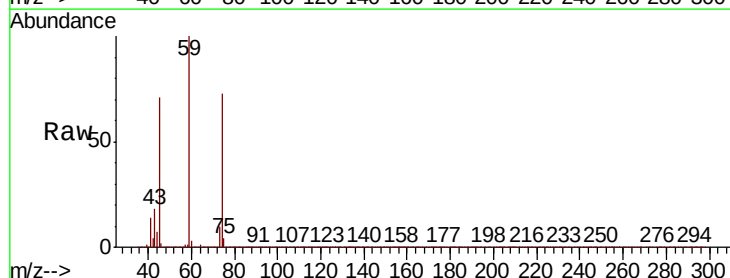
Tot Ion:101 Resp: 408436
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.6

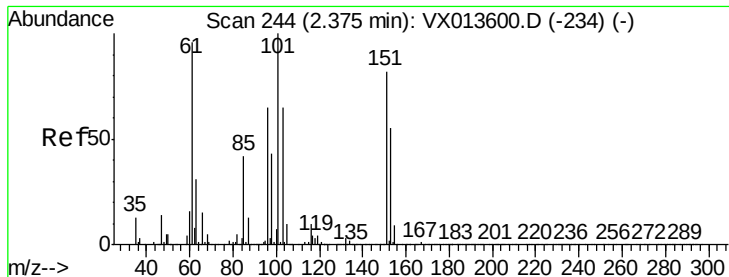


#8

Diethyl Ether
Concen: 48.741 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 74 Resp: 203608
Ion Ratio Lower Upper
74 100
45 99.6 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.989 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

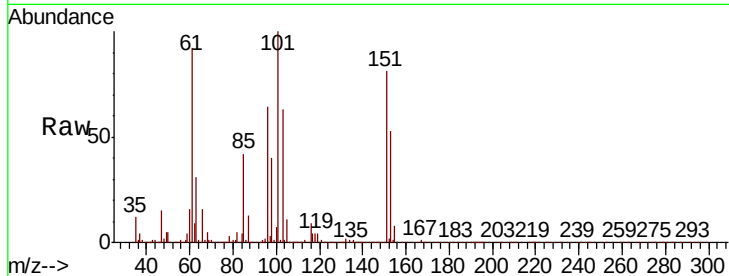
Tot Ion:101 Resp: 259380

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

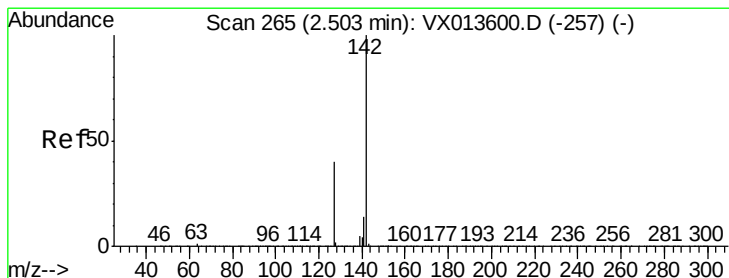
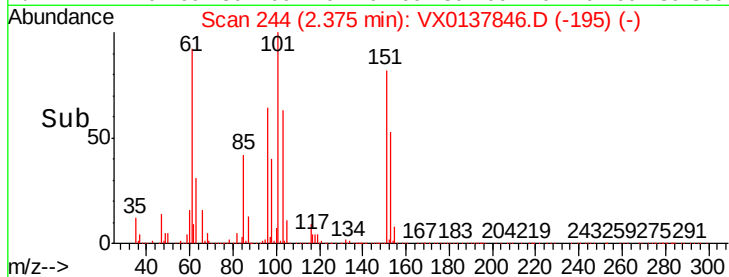
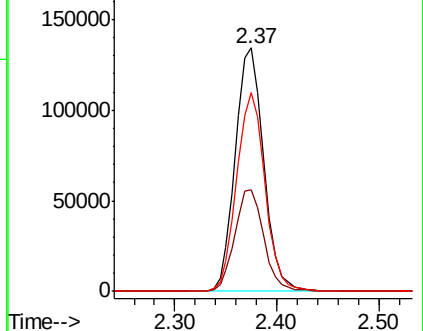
151 81.1 64.2 96.2



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: 42.451 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

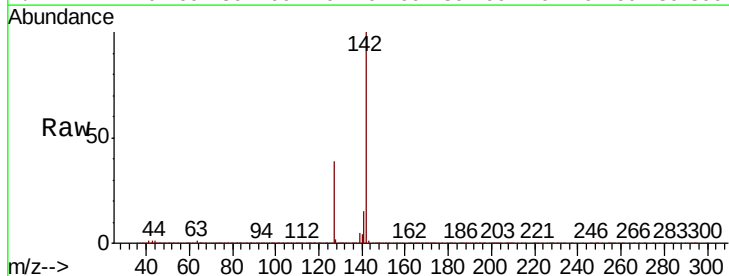
Tgt Ion:142 Resp: 289622

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

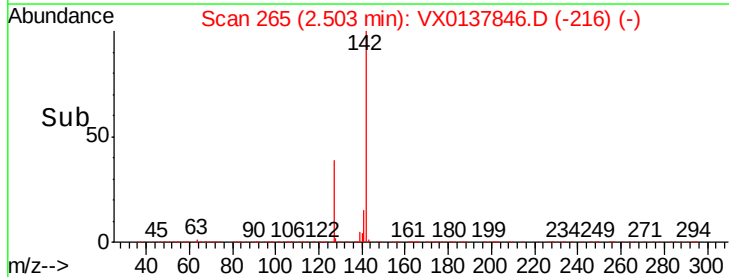
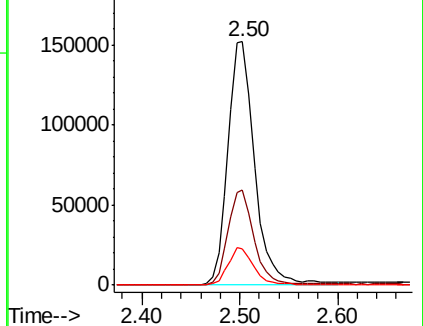
141 14.6 11.6 17.4

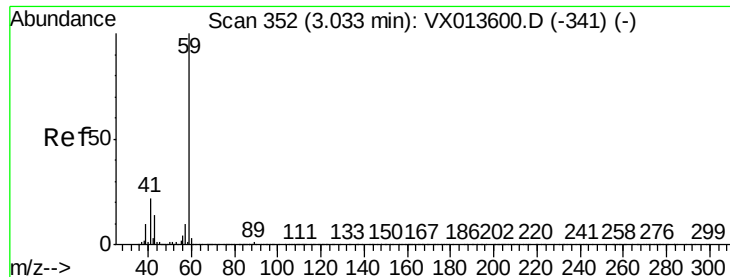


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



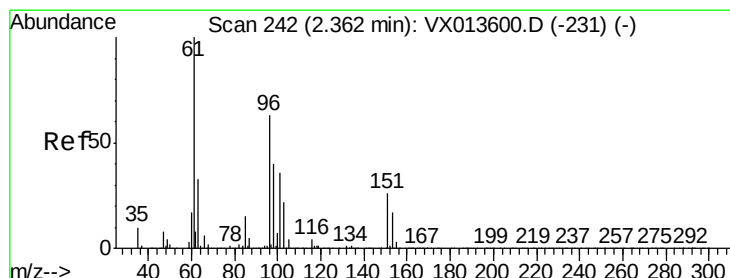
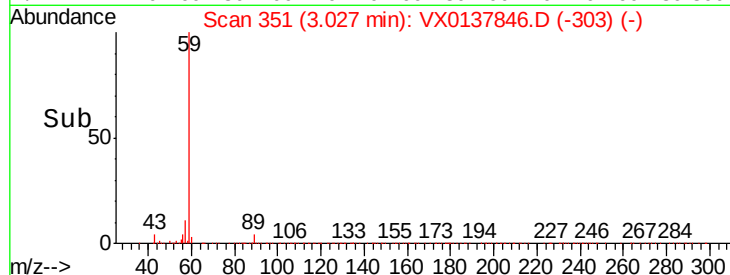
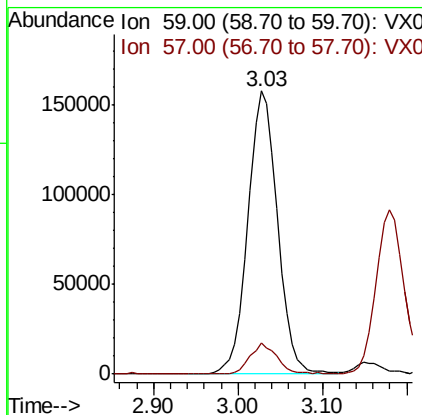
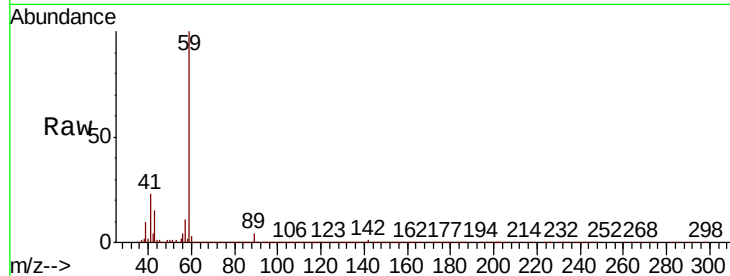


#11

Tert butyl alcohol
Concen: 221.475 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

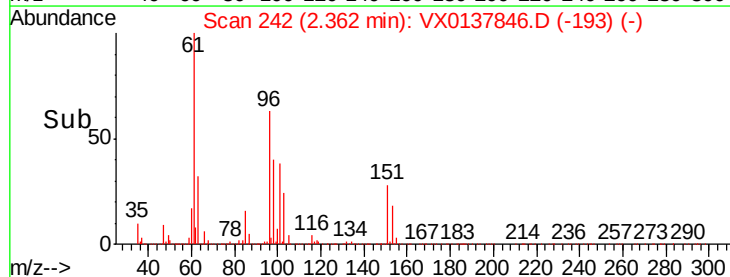
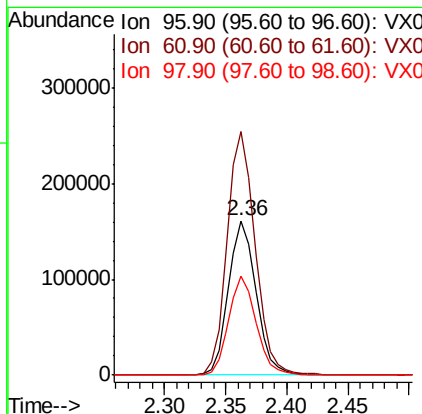
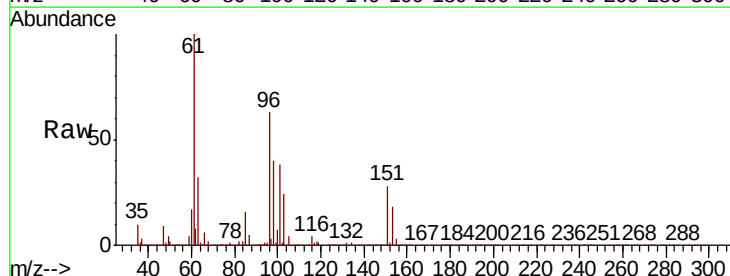
Tot Ion: 59 Resp: 375380
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6

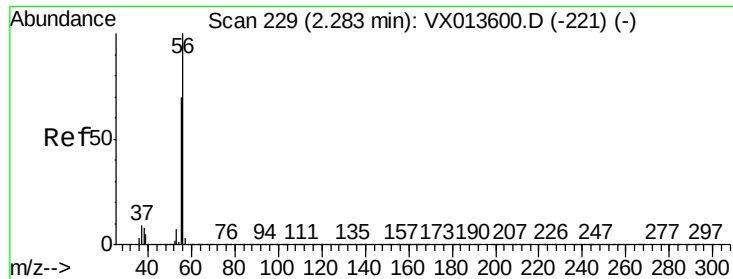


#12

1,1-Dichloroethene
Concen: 44.528 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 96 Resp: 250675
Ion Ratio Lower Upper
96 100
61 158.0 126.6 190.0
98 63.9 50.6 76.0

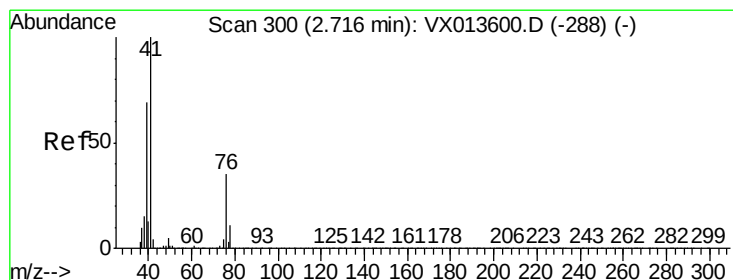
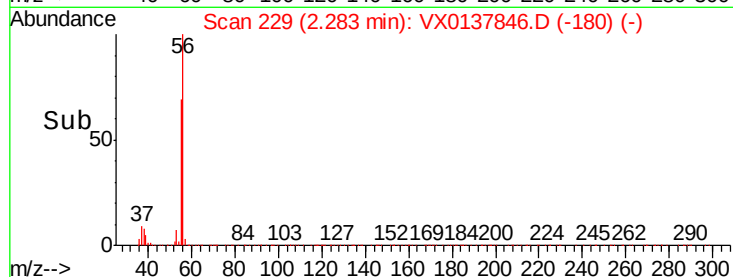
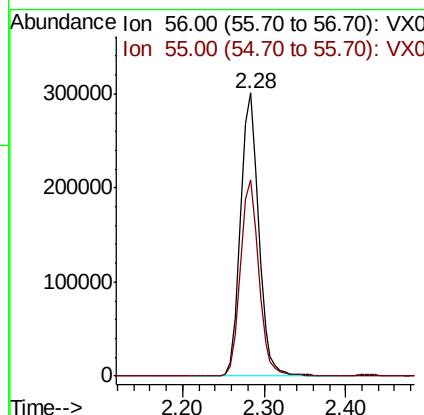
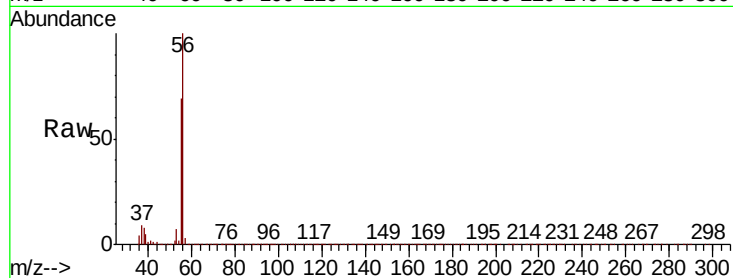




#13
Acrolein
Concen: 400.975 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

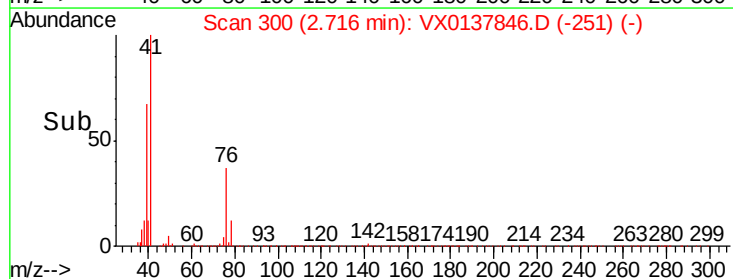
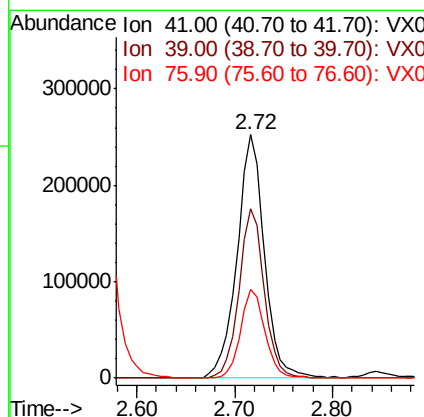
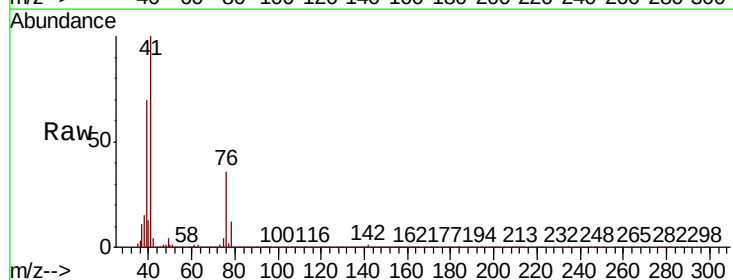
Instrument :
MSVOA_X
ClientSampleId :

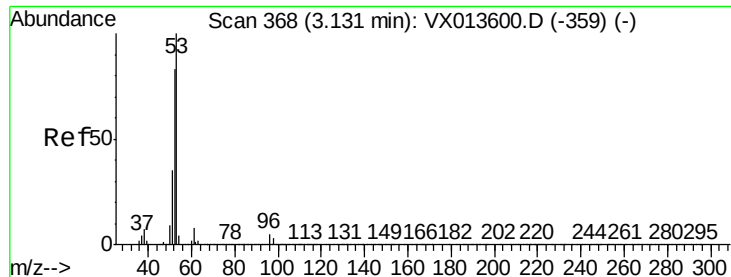
Tot Ion: 56 Resp: 458719
Ion Ratio Lower Upper
56 100
55 69.5 56.2 84.4



#14
Allyl chloride
Concen: 47.563 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 41 Resp: 485925
Ion Ratio Lower Upper
41 100
39 64.5 51.7 77.5
76 32.5 25.9 38.9





#15

Acrylonitrile

Concen: 248.276 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampled :

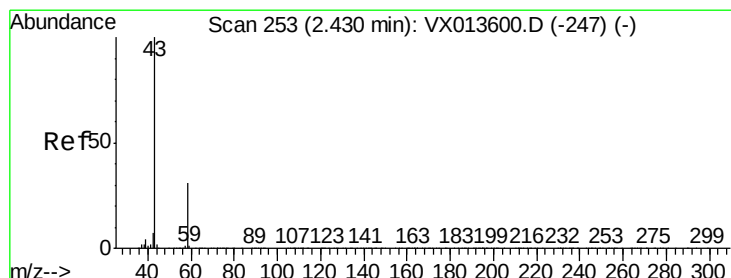
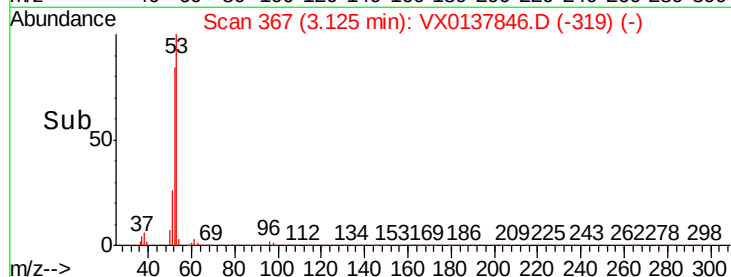
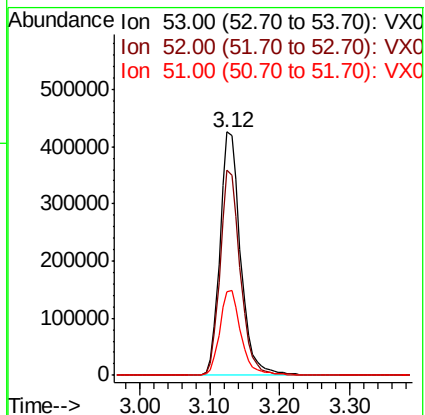
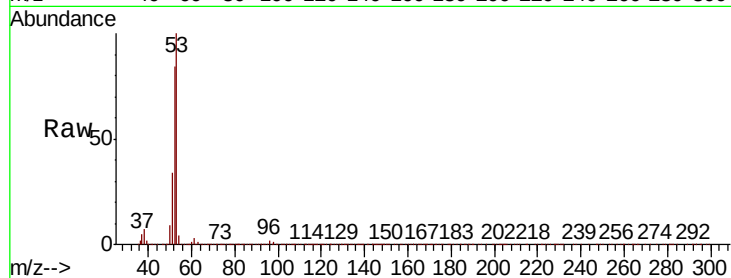
Tot Ion: 53 Resp: 868616

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 35.7 29.0 43.6



#16

Acetone

Concen: 269.044 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX0137846.D

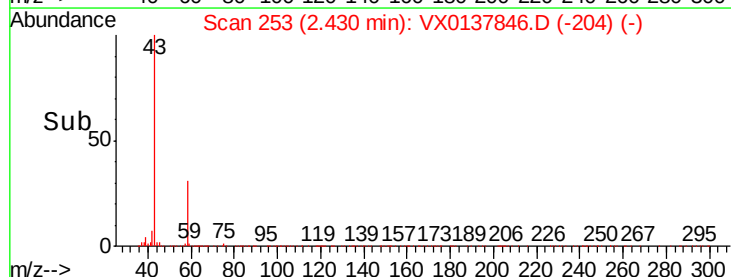
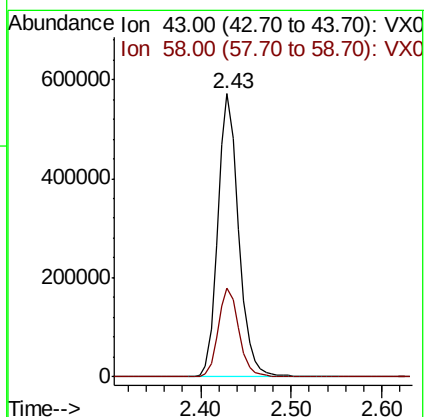
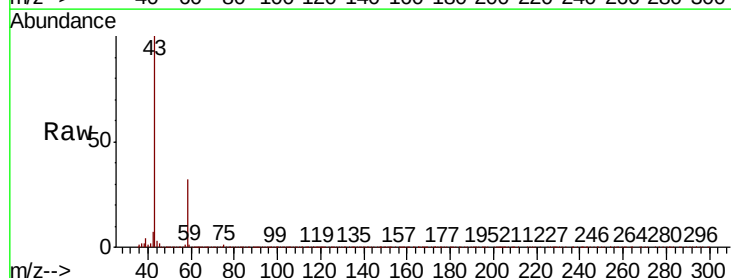
Acq: 09 Dec 2019 11:01

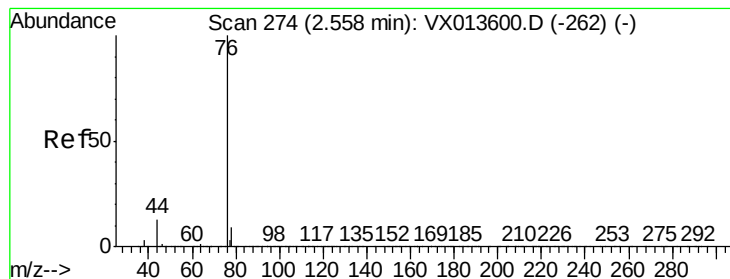
Tgt Ion: 43 Resp: 912098

Ion Ratio Lower Upper

43 100

58 31.5 24.6 36.8





#17

Carbon Disulfide

Concen: 41.100 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

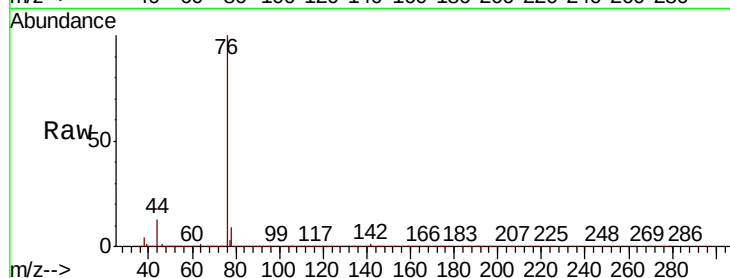
ClientSampled :

Tot Ion: 76 Resp: 659597

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400000

300000

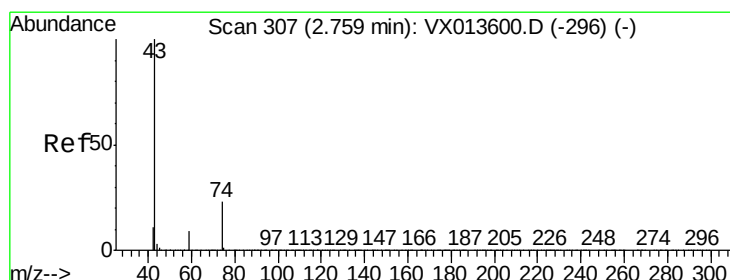
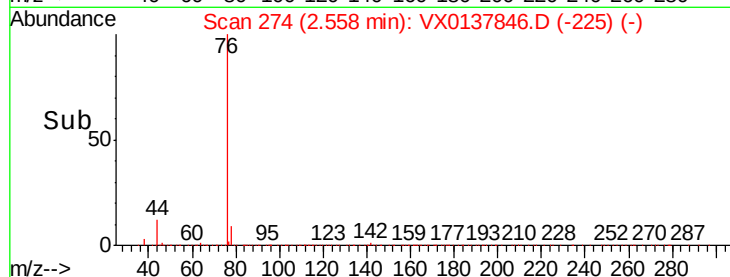
200000

100000

0

Time-->

2.40 2.50 2.60 2.70



#18

Methyl Acetate

Concen: 52.655 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX0137846.D

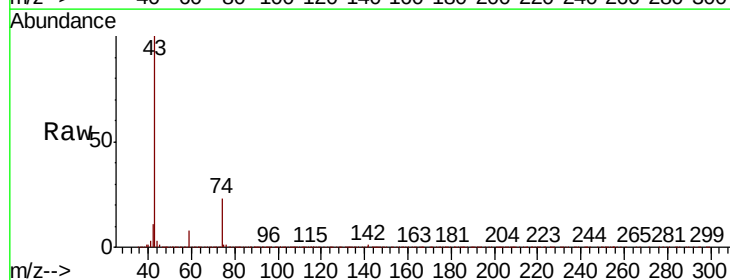
Acq: 09 Dec 2019 11:01

Tgt Ion: 43 Resp: 497077

Ion Ratio Lower Upper

43 100

74 23.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

300000

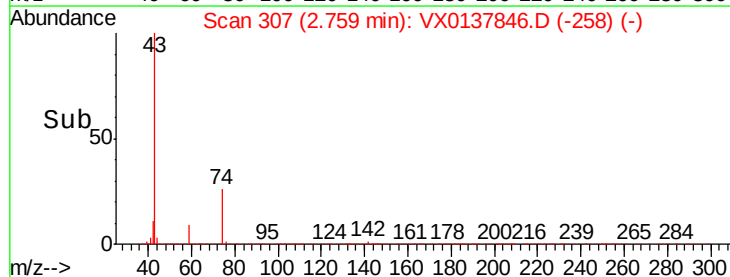
200000

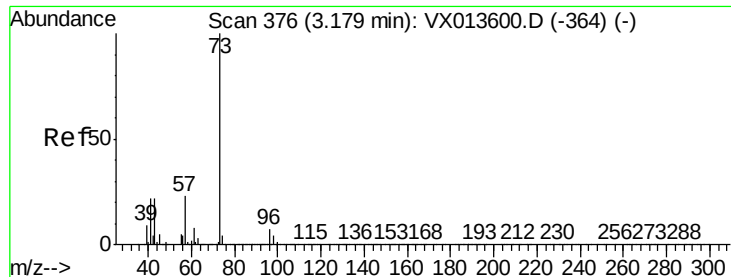
100000

0

Time-->

2.70 2.80

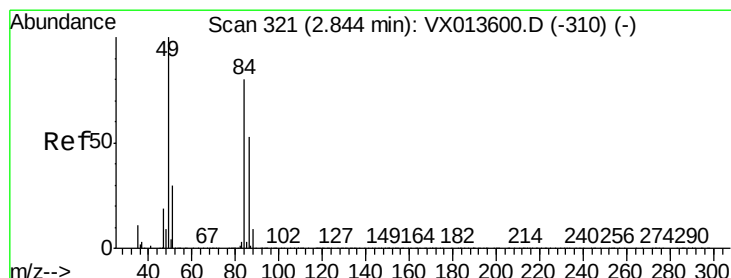
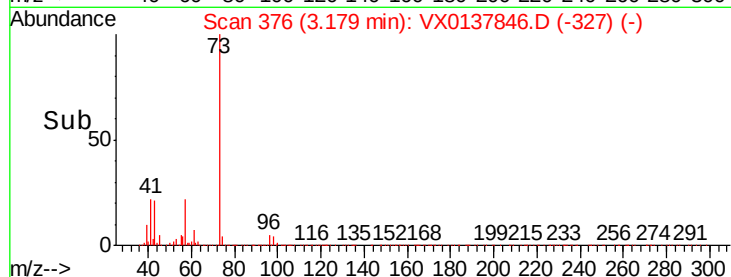
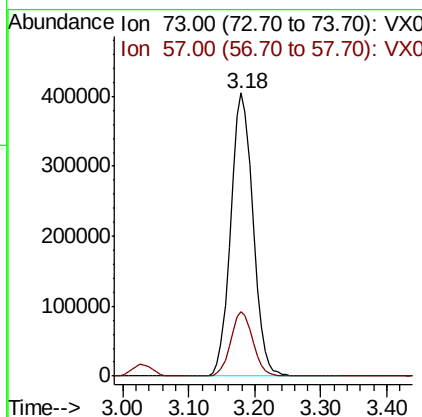
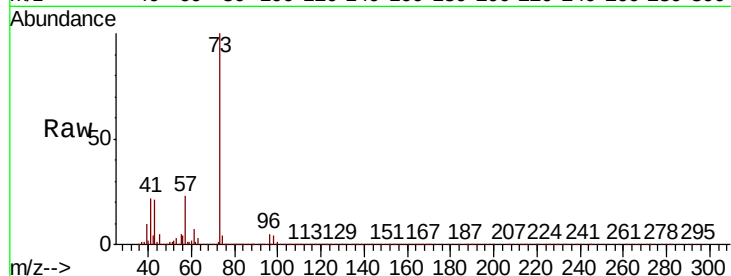




#19
Methyl tert-butyl Ether
Concen: 50.468 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

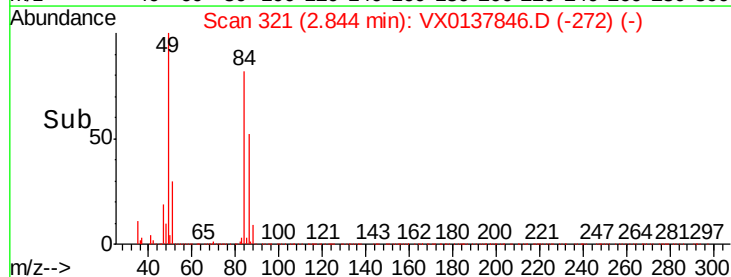
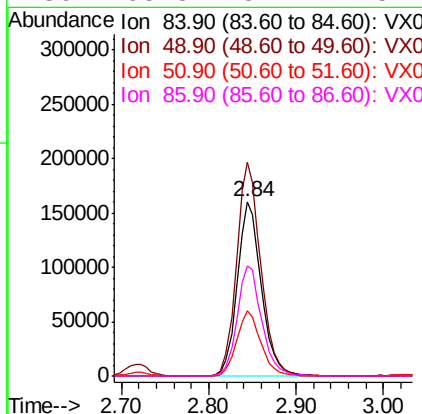
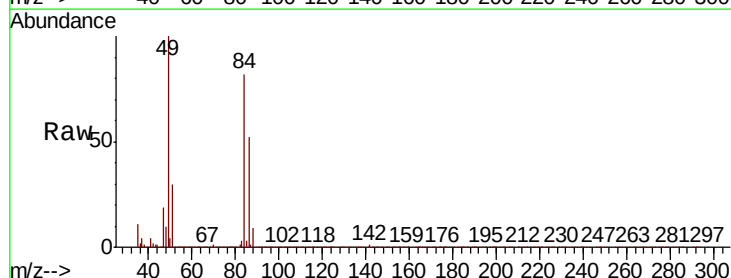
Instrument :
MSVOA_X
ClientSampleId :

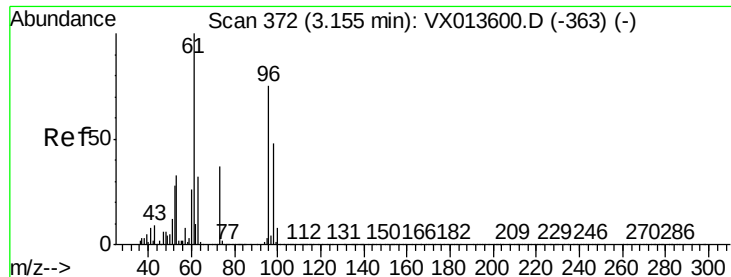
Tot Ion: 73 Resp: 941221
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 46.857 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 84 Resp: 305185
Ion Ratio Lower Upper
84 100
49 122.6 99.7 149.5
51 37.2 29.9 44.9
86 63.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 45.225 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

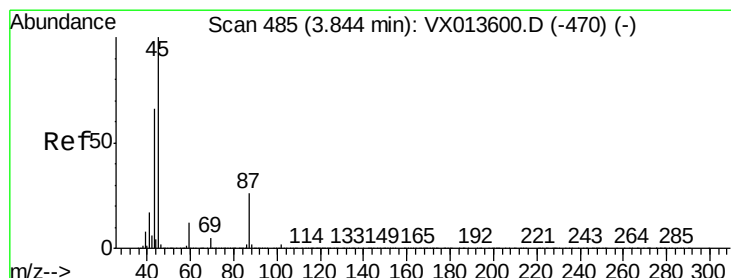
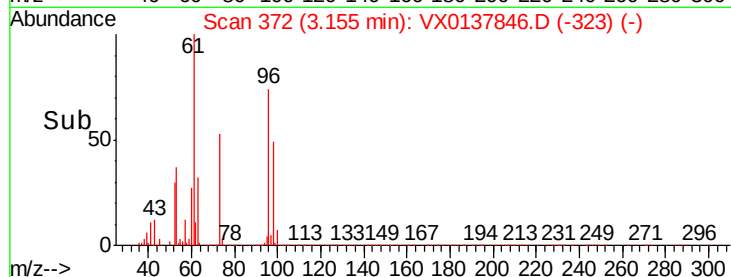
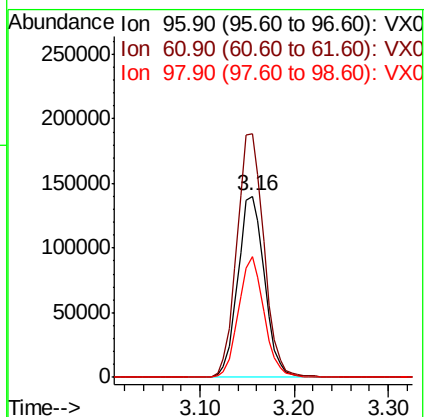
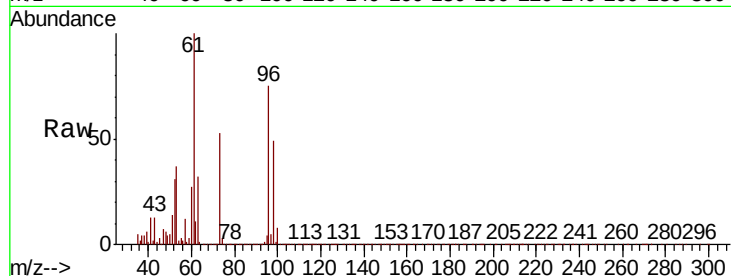
Tot Ion: 96 Resp: 277358

Ion Ratio Lower Upper

96 100

61 134.1 107.2 160.8

98 66.1 51.4 77.0



#22

Diisopropyl ether

Concen: 50.776 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Tgt Ion: 45 Resp: 998870

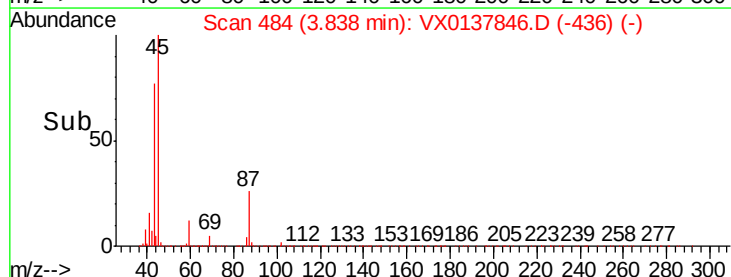
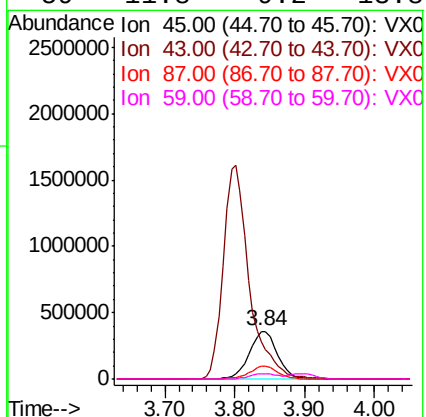
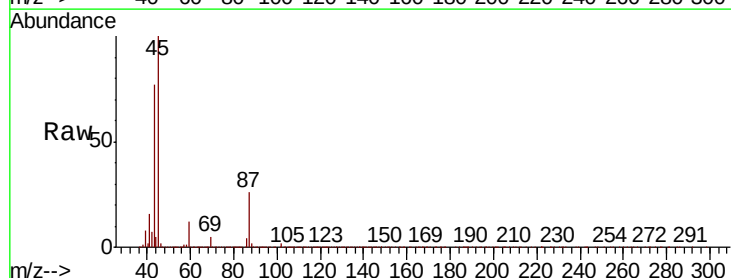
Ion Ratio Lower Upper

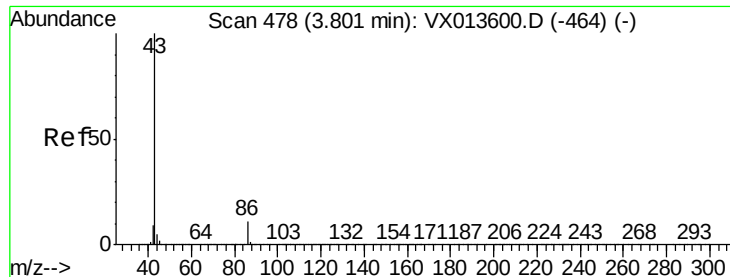
45 100

43 77.3 52.6 79.0

87 26.2 21.1 31.7

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 254.364 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

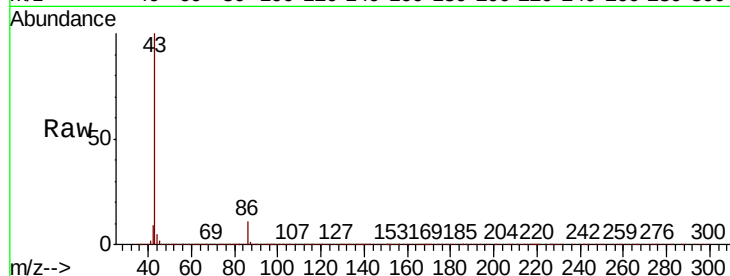
ClientSampled :

Tot Ion: 43 Resp: 4162715

Ion Ratio Lower Upper

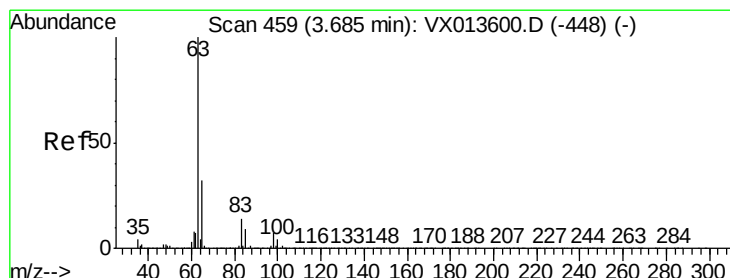
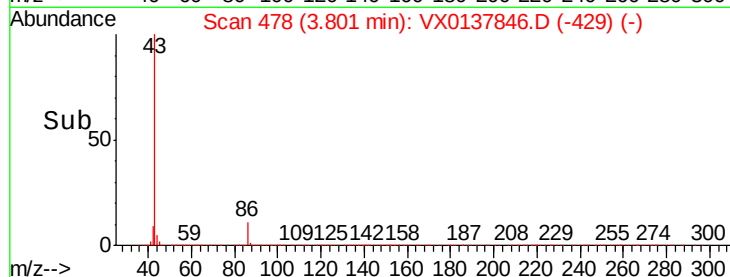
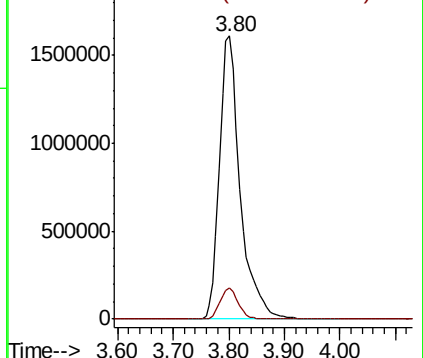
43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.816 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

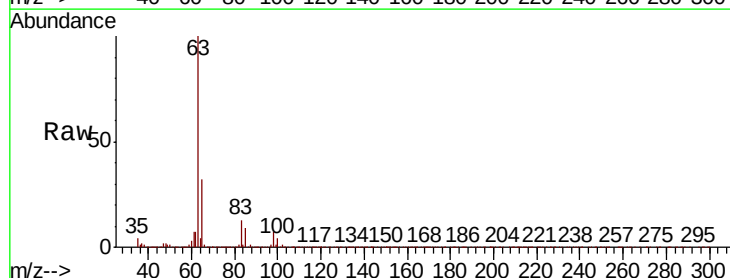
Tgt Ion: 63 Resp: 524966

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

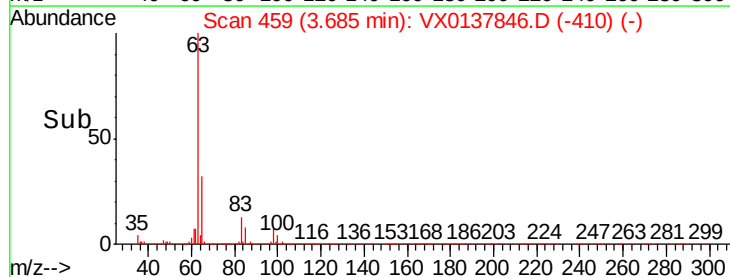
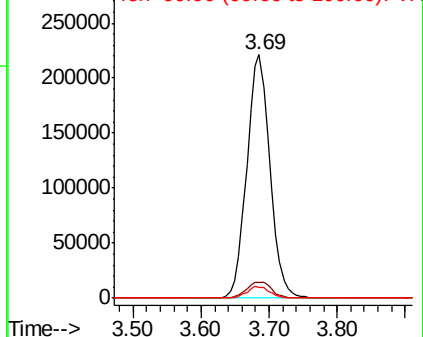
100 4.3 2.1 6.3

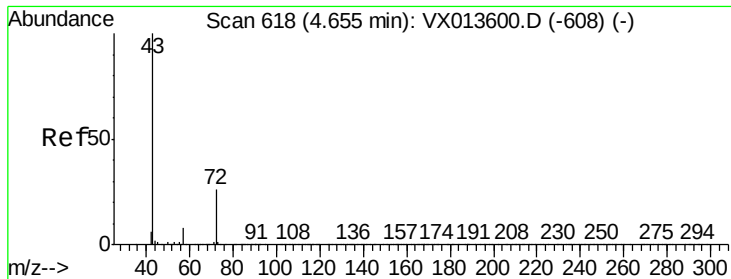


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

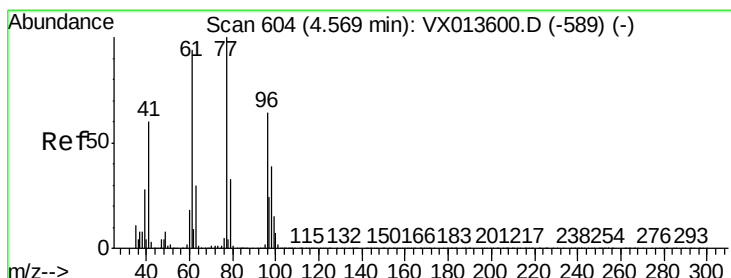
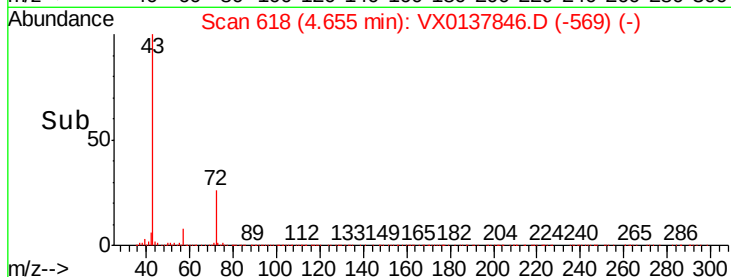
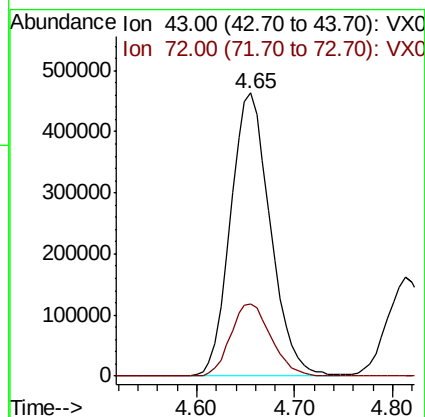
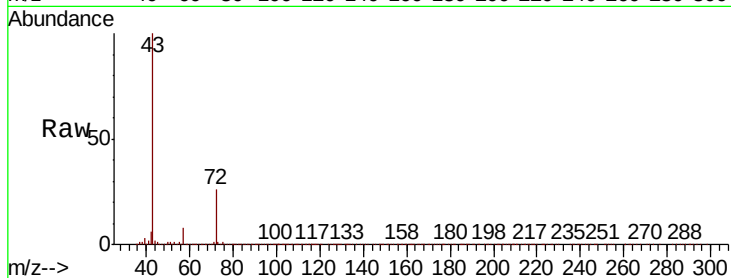




#25
2-Butanone
Concen: 257.936 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

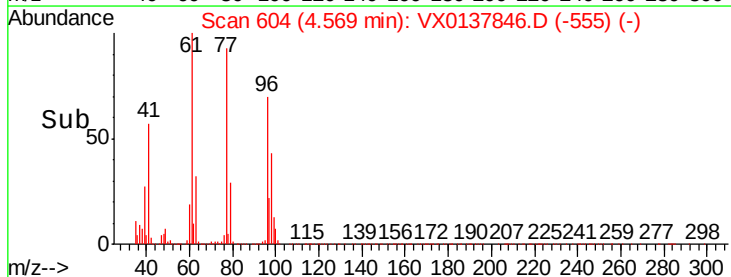
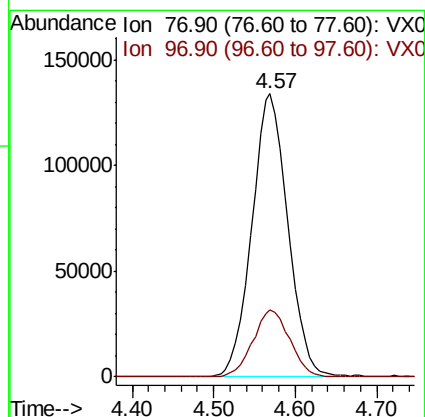
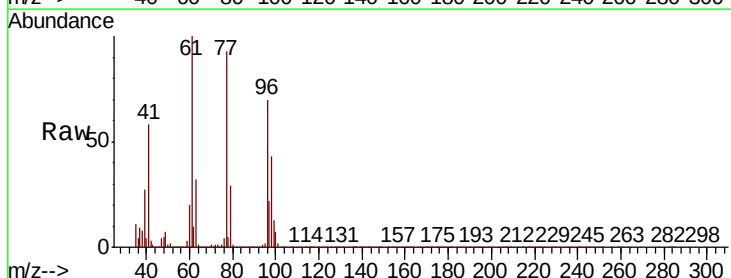
Instrument :
MSVOA_X
ClientSampled :

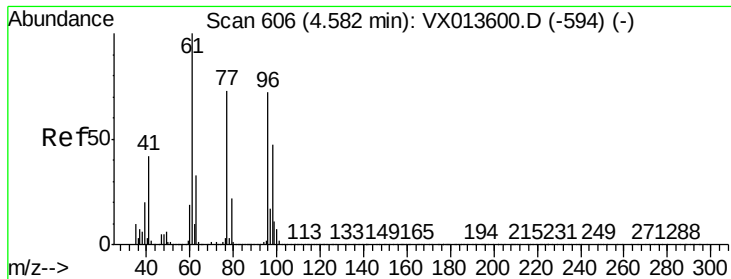
Tot Ion: 43 Resp: 1299587
Ion Ratio Lower Upper
43 100
72 25.5 20.6 31.0



#26
2,2-Dichloropropane
Concen: 46.007 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 77 Resp: 409349
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.1



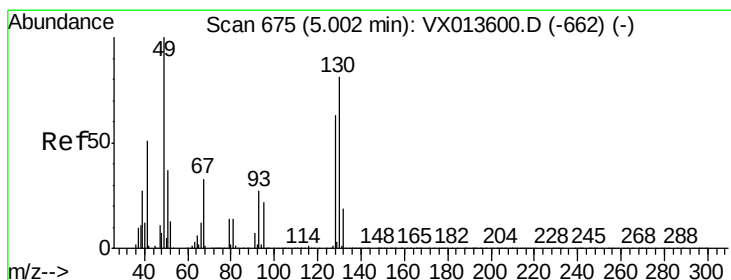
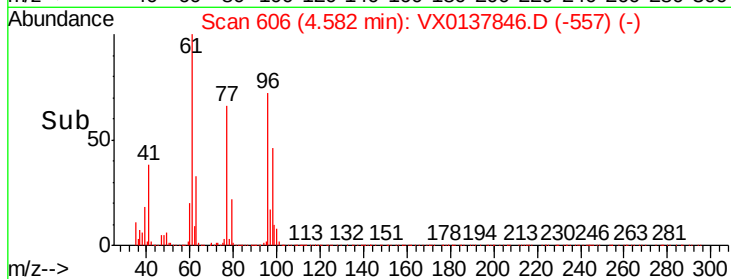
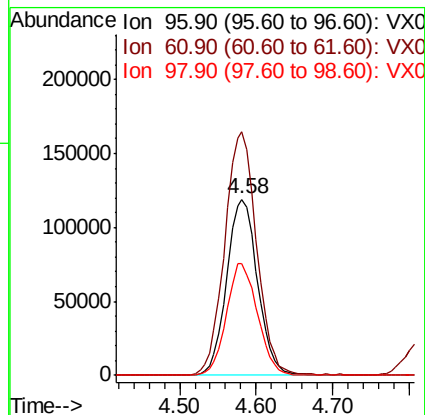
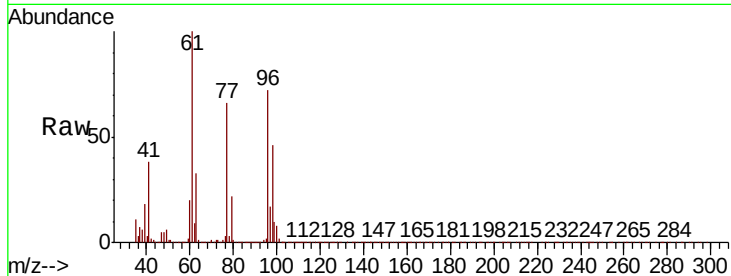


#27

cis-1,2-Dichloroethene
Concen: 46.902 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

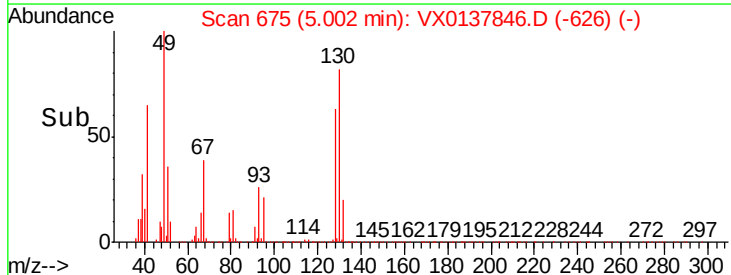
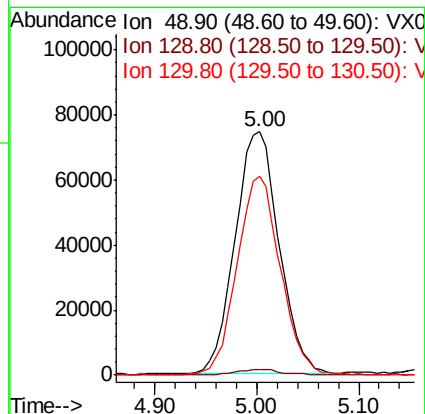
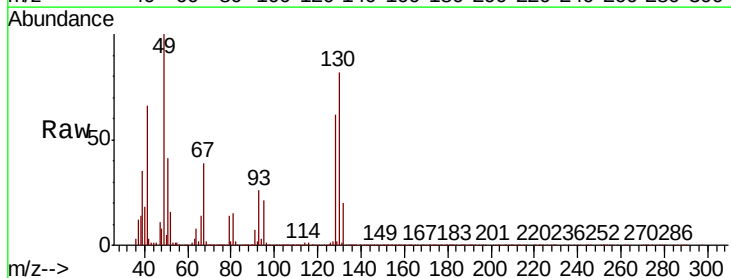
Tot Ion: 96 Resp: 330334
Ion Ratio Lower Upper
96 100
61 143.1 0.0 286.4
98 64.5 0.0 127.4

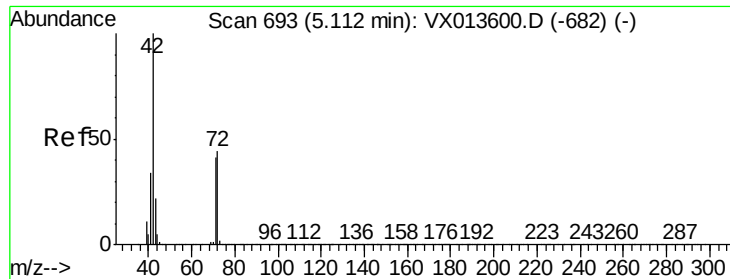


#28

Bromochloromethane
Concen: 52.657 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 49 Resp: 223779
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.0
130 80.3 65.4 98.0





#29

Tetrahydrofuran

Concen: 253.371 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

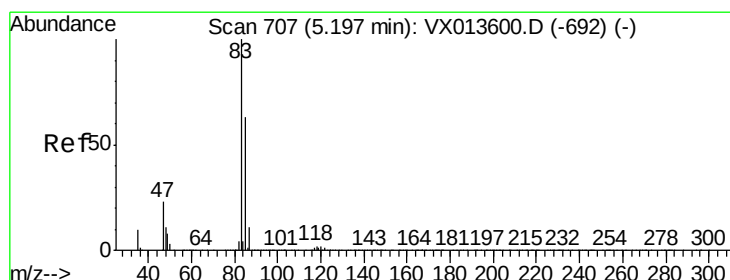
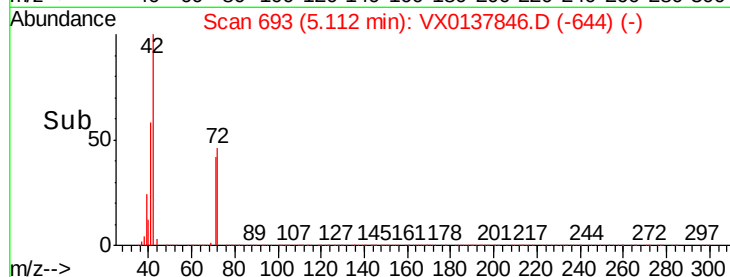
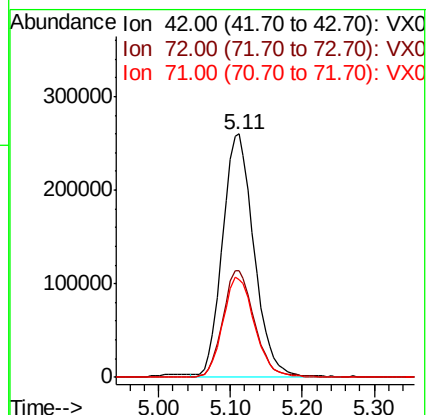
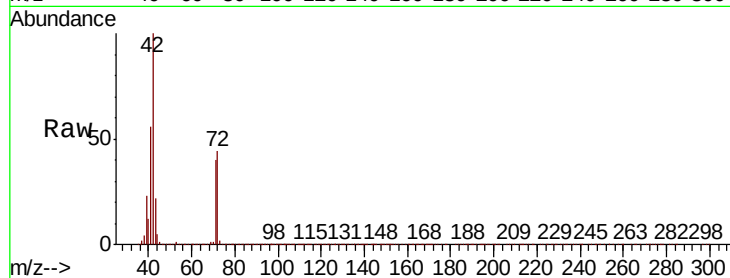
Tot Ion: 42 Resp: 786975

Ion Ratio Lower Upper

42 100

72 44.4 36.3 54.5

71 41.1 33.2 49.8



#30

Chloroform

Concen: 46.985 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX0137846.D

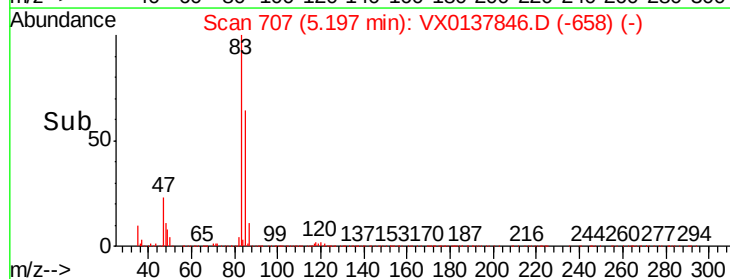
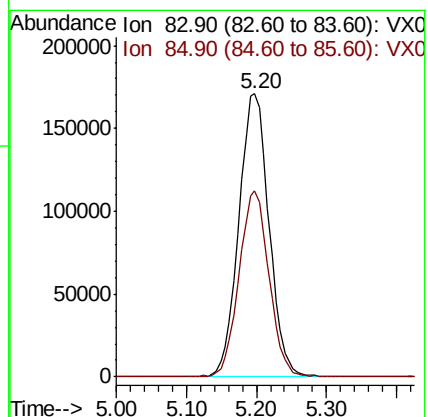
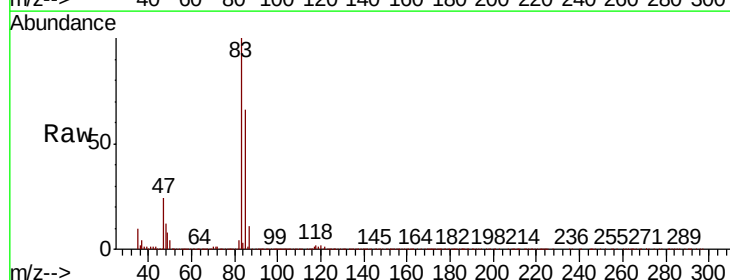
Acq: 09 Dec 2019 11:01

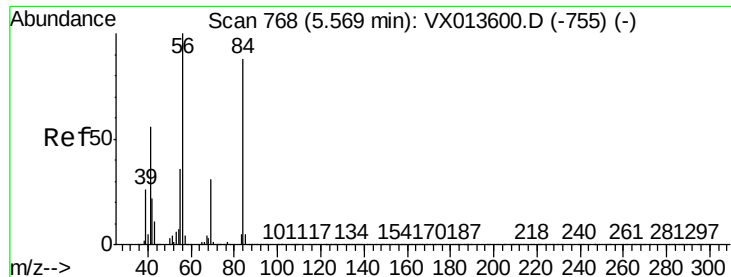
Tgt Ion: 83 Resp: 512431

Ion Ratio Lower Upper

83 100

85 65.8 50.2 75.4





#31

Cyclohexane

Concen: 43.983 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

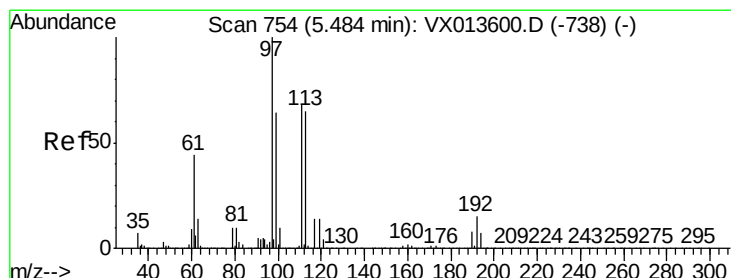
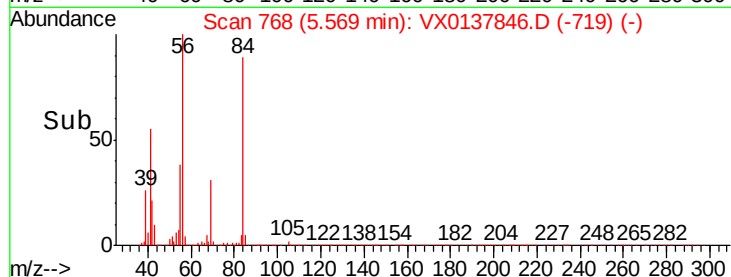
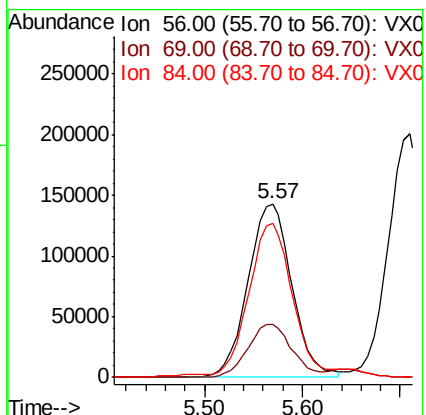
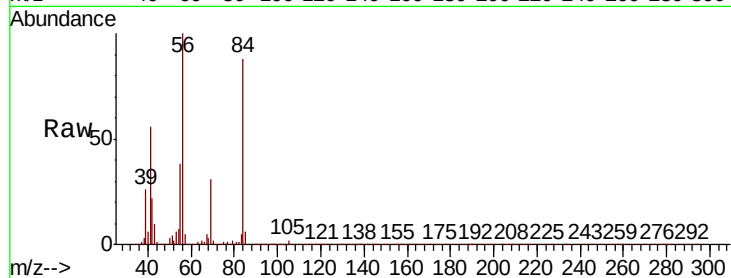
Tot Ion: 56 Resp: 446130

Ion Ratio Lower Upper

56 100

69 30.5 24.6 36.8

84 86.8 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 46.321 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

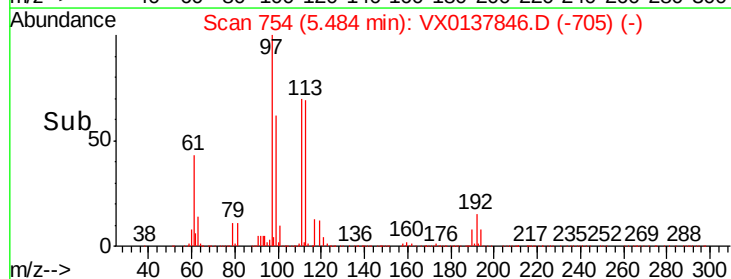
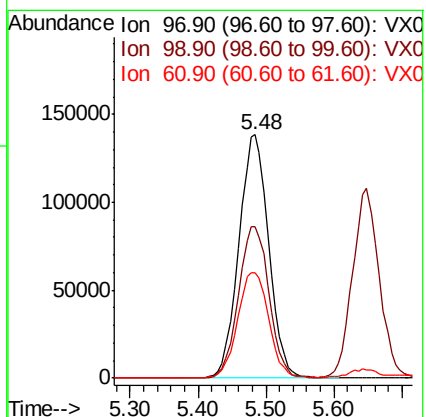
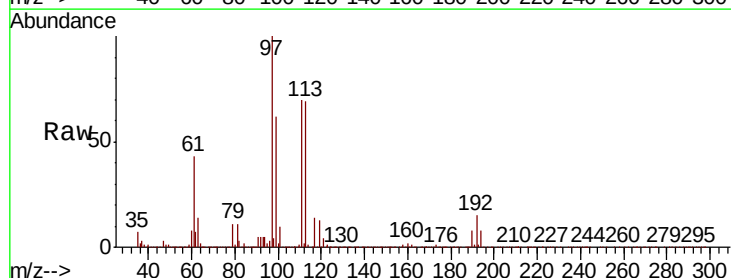
Tgt Ion: 97 Resp: 422172

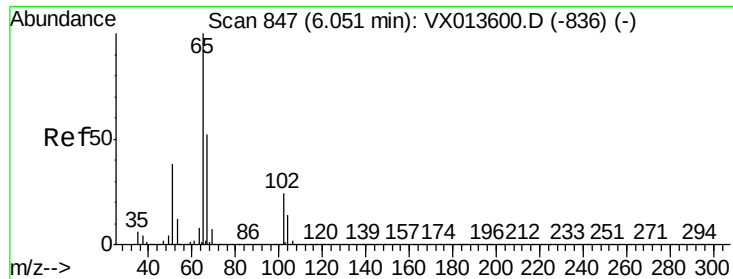
Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

61 44.6 36.1 54.1

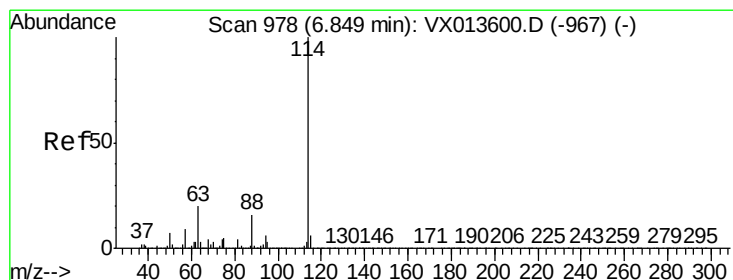
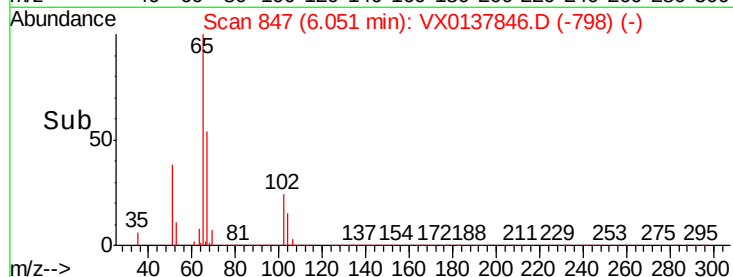
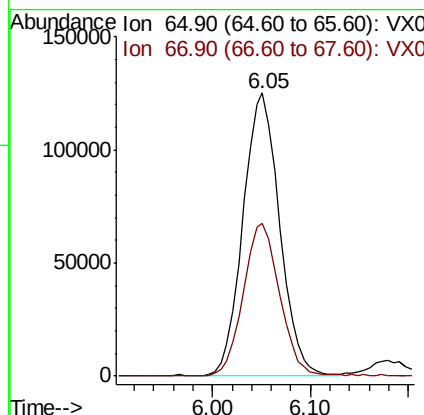
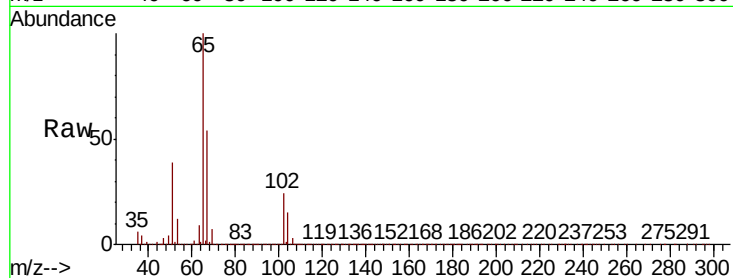




#33
 1,2-Dichloroethane-d4
 Concen: 47.072 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

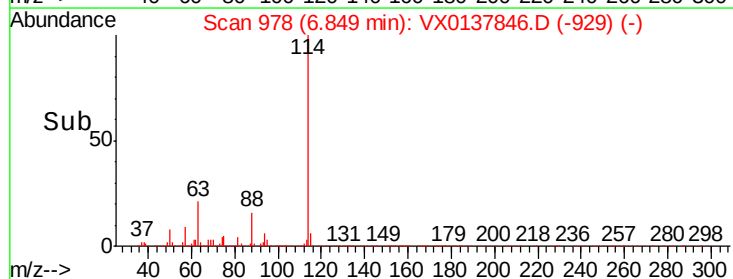
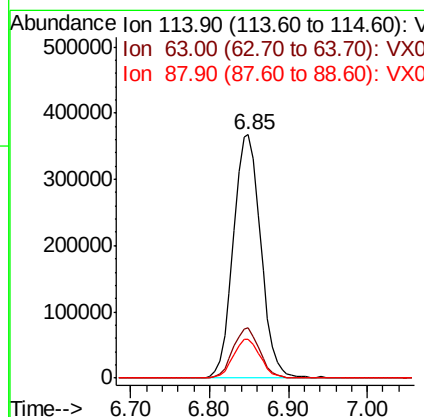
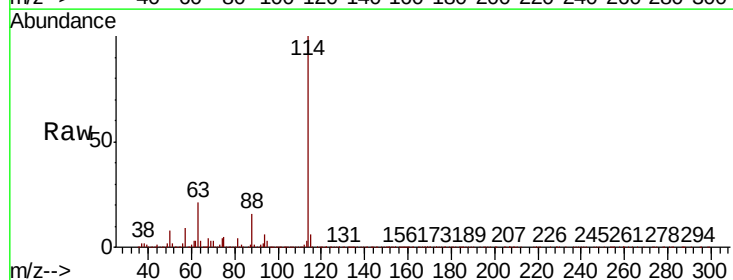
Instrument :
 MSVOA_X
 ClientSampleId :

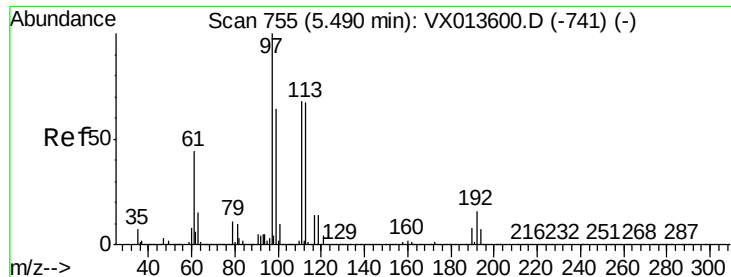
Tot Ion: 65 Resp: 323224
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion: 114 Resp: 889832
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.6
 88 15.8 0.0 31.4

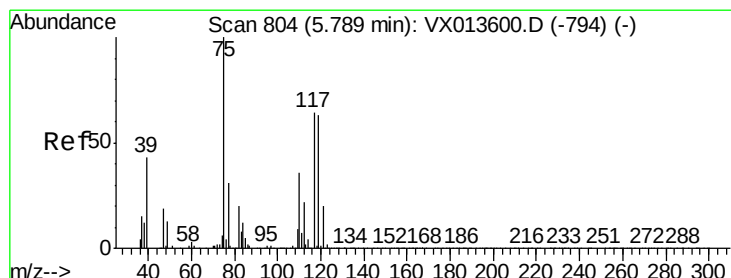
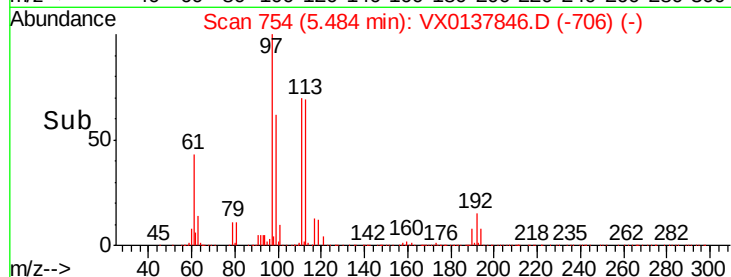
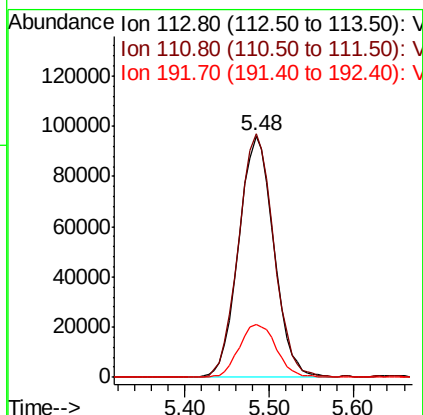
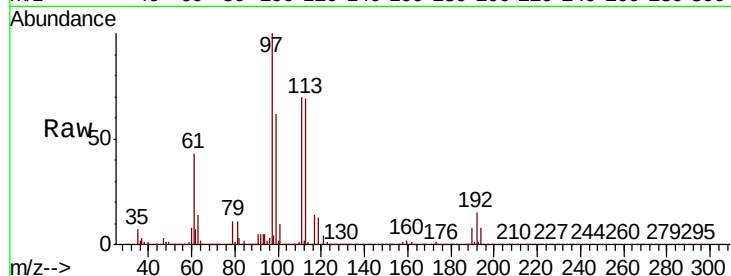




#35
 Dibromofluoromethane
 Concen: 48.969 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

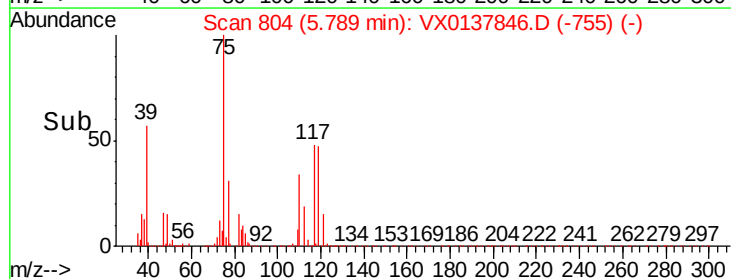
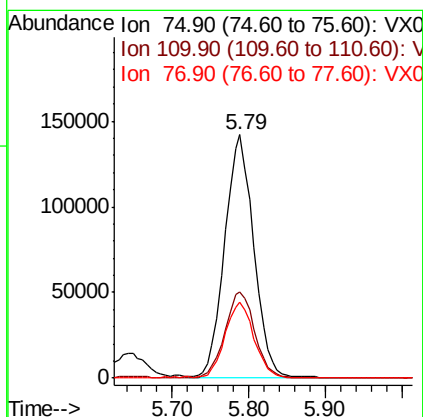
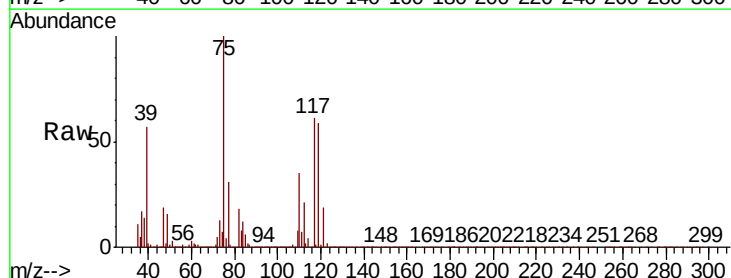
Instrument :
 MSVOA_X
 ClientSampleId :

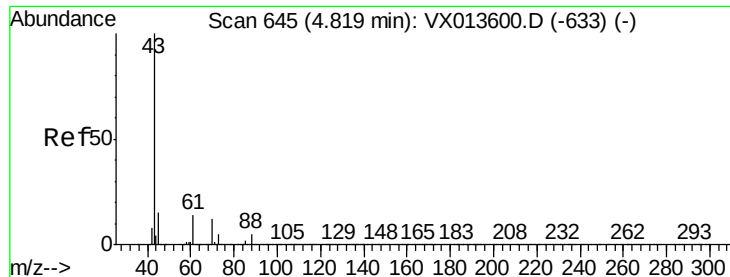
Tot Ion: 113 Resp: 269382
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.6 125.4
 192 23.0 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 46.044 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion: 75 Resp: 371918
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.1
 77 31.1 24.5 36.7

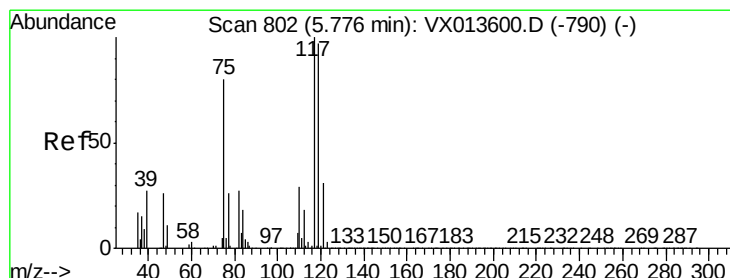
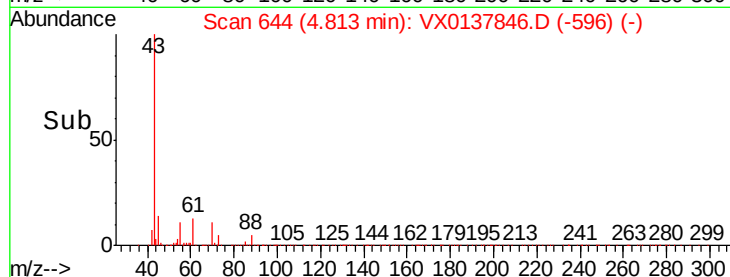
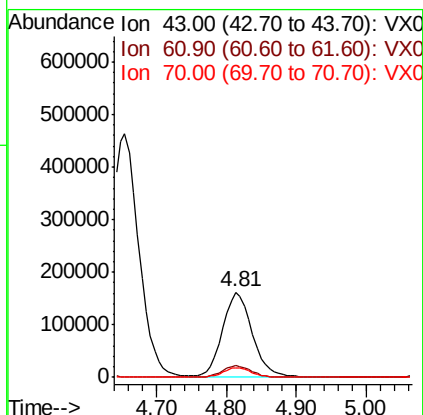
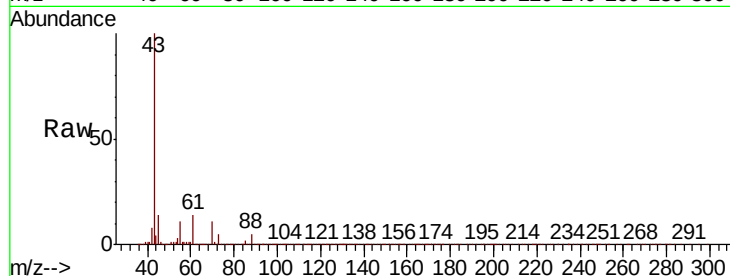




#37
Ethyl Acetate
Concen: 52.293 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

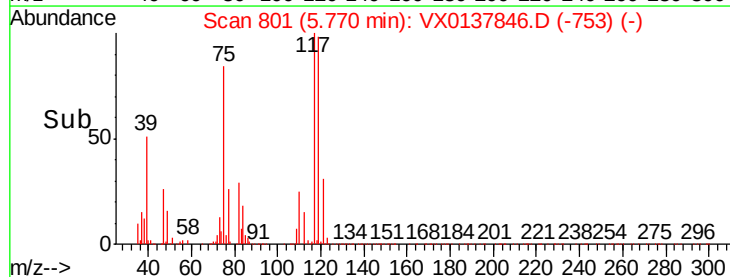
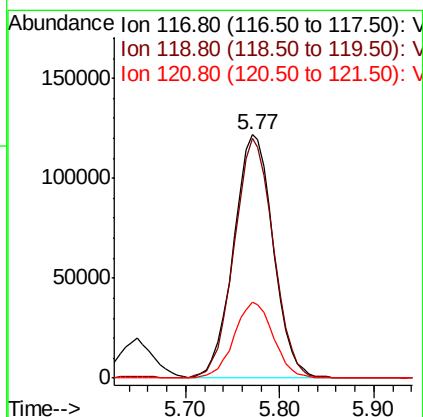
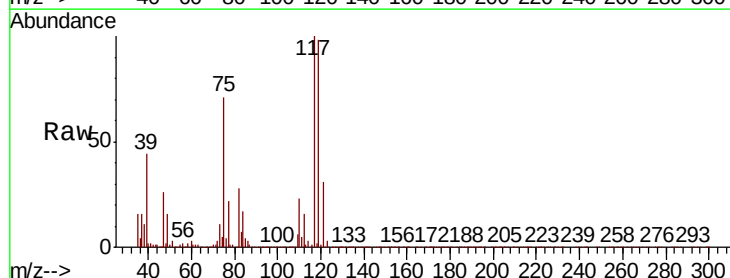
Instrument :
MSVOA_X
ClientSampled :

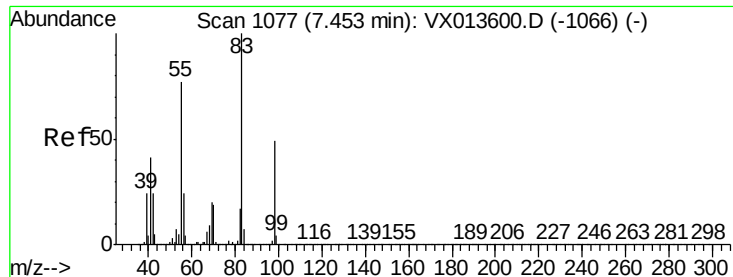
Tot Ion: 43 Resp: 473864
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.4
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 47.867 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 117 Resp: 356521
Ion Ratio Lower Upper
117 100
119 98.4 77.5 116.3
121 30.8 25.0 37.6

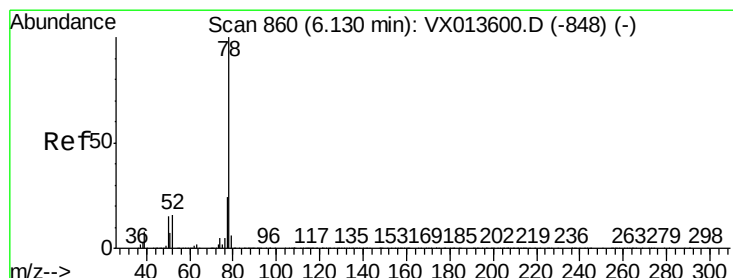
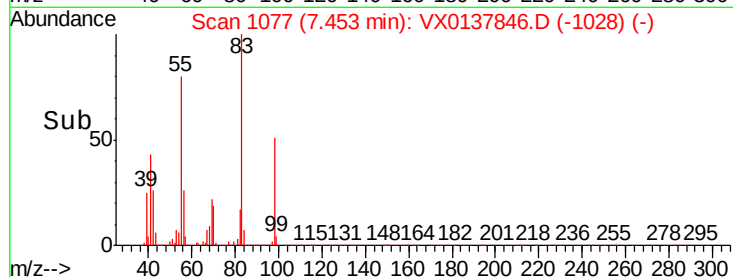
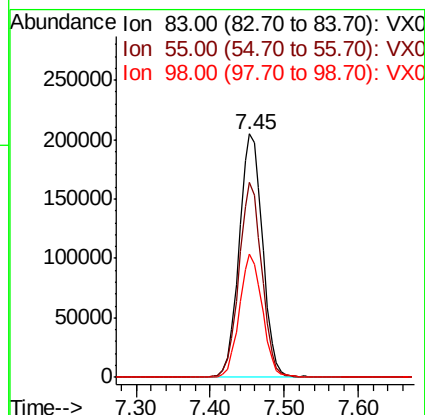
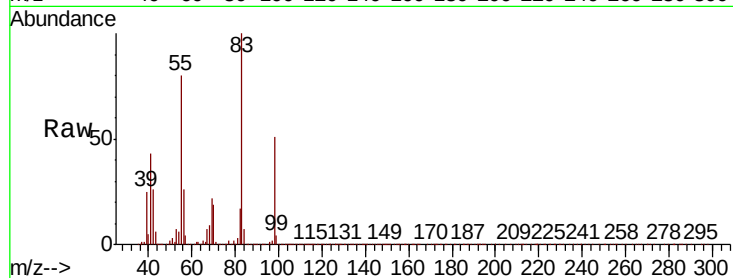




#39
Methylvlcyclohexane
Concen: 45.112 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

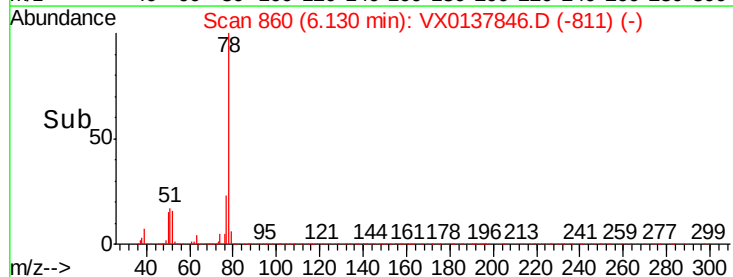
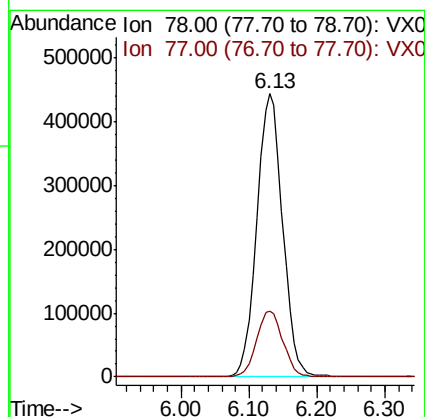
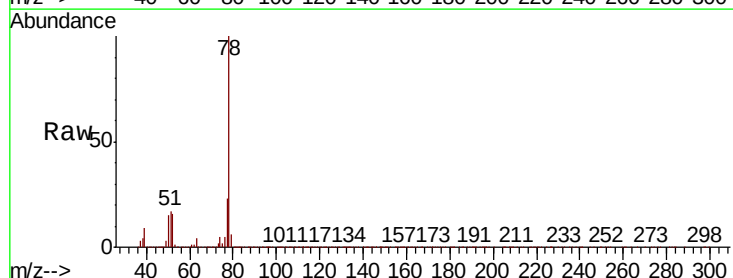
Instrument :
MSVOA_X
ClientSampleId :

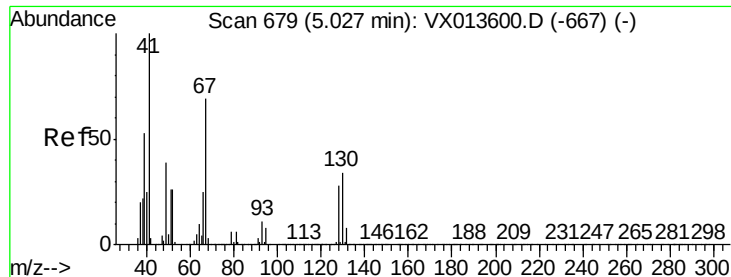
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.9	92.9
98	50.5	39.4	59.0



#40
Benzene
Concen: 47.673 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4

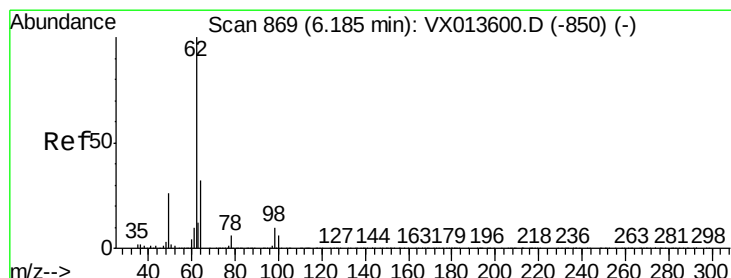
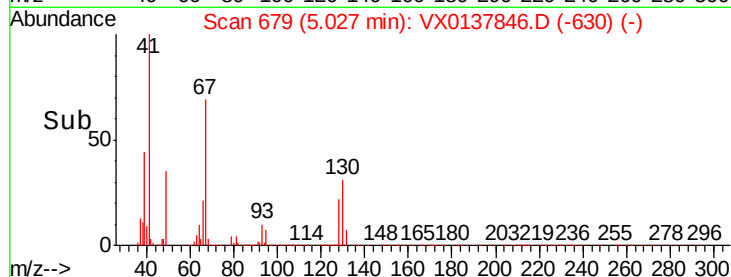
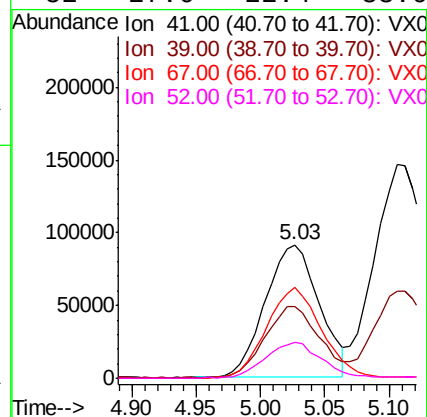
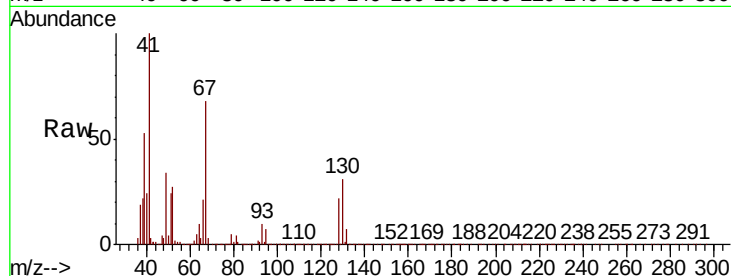




#41
Methacrylonitrile
Concen: 53.572 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

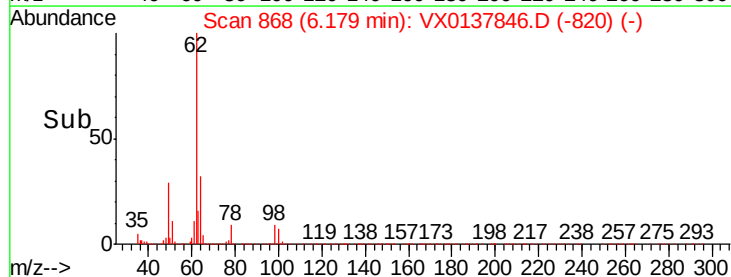
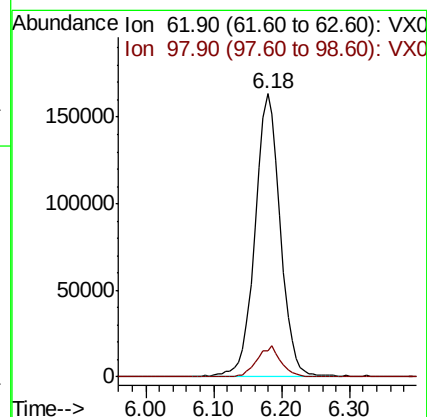
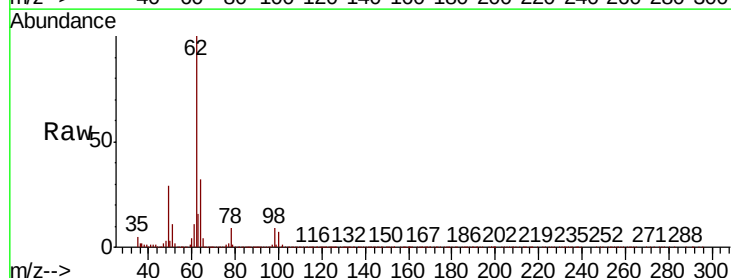
Instrument :
MSVOA_X
ClientSampleId :

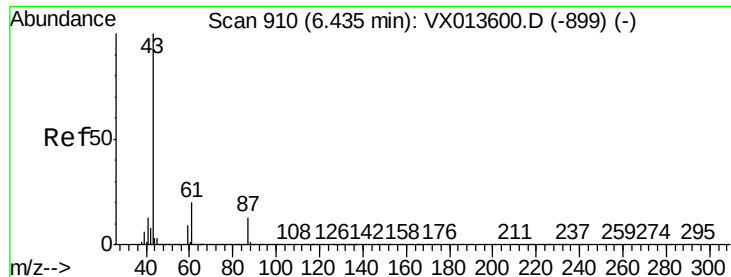
Tot Ion:	41	Resp:	266231
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.9	64.3
67	70.6	57.4	86.0
52	27.6	22.4	33.6



#42
1,2-Dichloroethane
Concen: 50.213 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion:	62	Resp:	421287
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.8





#43

Isopropyl Acetate

Concen: 51.473 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

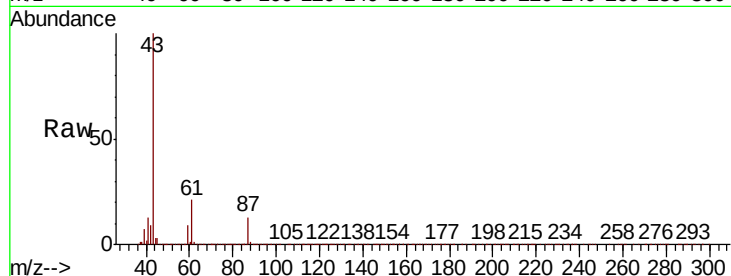
Tot Ion: 43 Resp: 767888

Ion Ratio Lower Upper

43 100

61 20.2 16.3 24.5

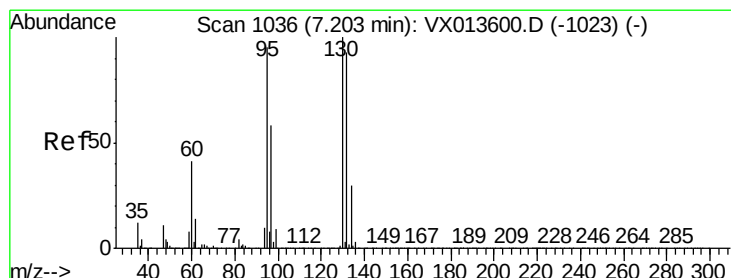
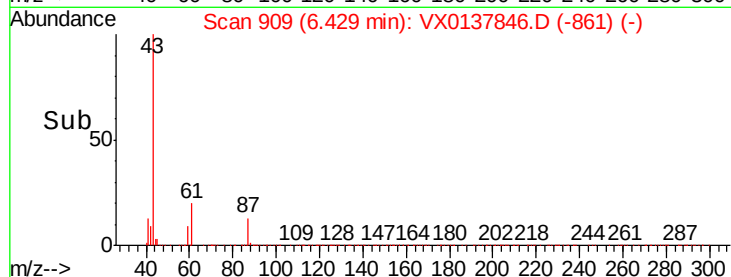
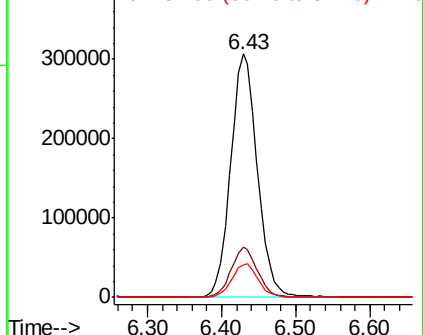
87 13.5 10.8 16.2



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: 46.344 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX0137846.D

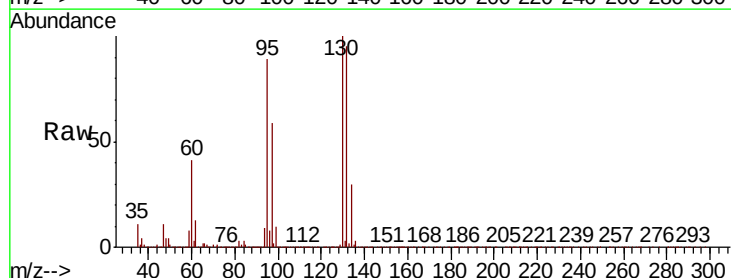
Acq: 09 Dec 2019 11:01

Tgt Ion: 130 Resp: 312901

Ion Ratio Lower Upper

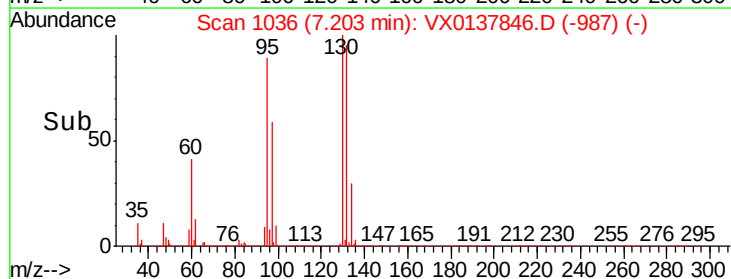
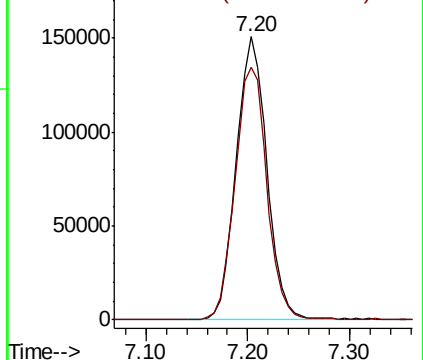
130 100

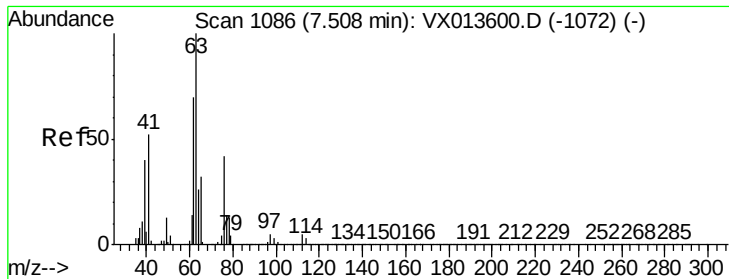
95 89.3 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

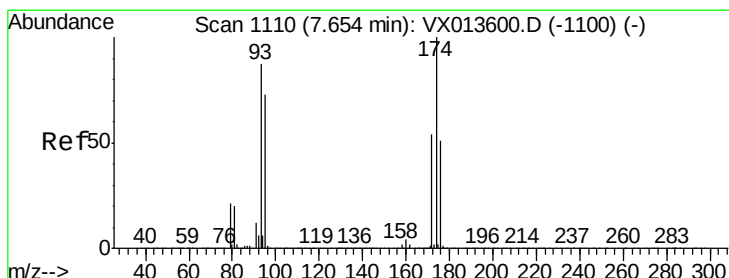
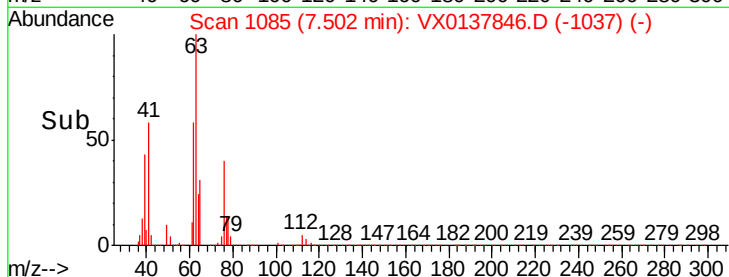
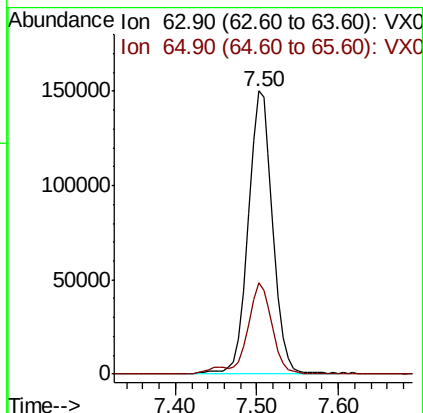
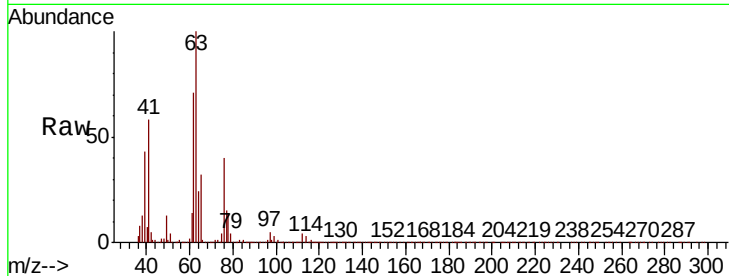




#45
 1,2-Dichloropropane
 Concen: 50.862 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

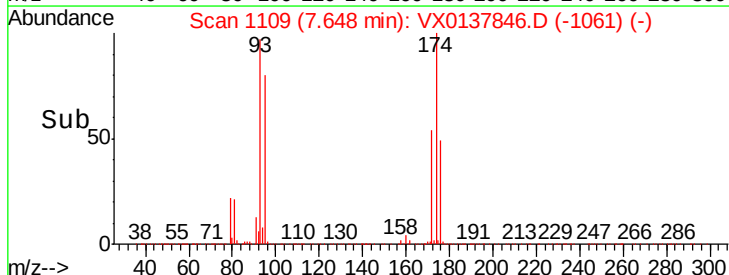
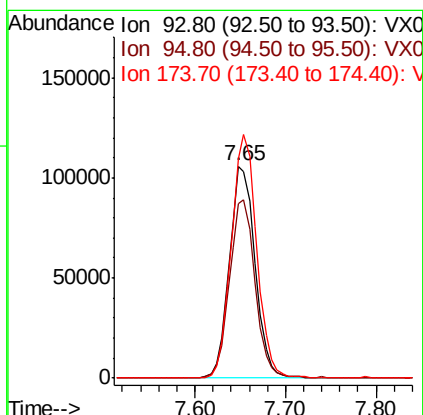
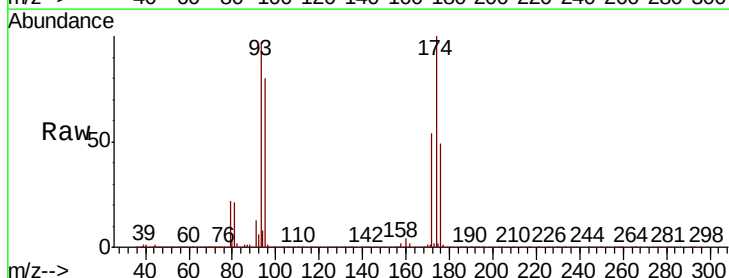
Instrument :
 MSVOA_X
 ClientSampleId :

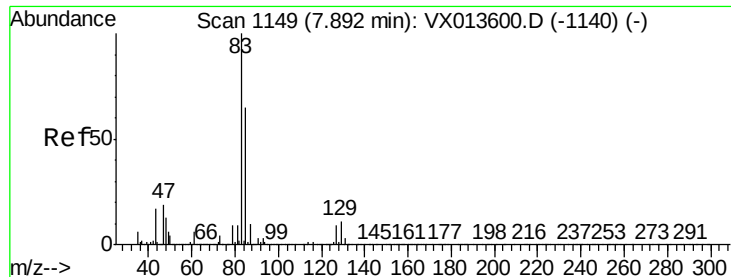
Tot Ion: 63 Resp: 313062
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.5 38.3



#46
 Dibromomethane
 Concen: 49.341 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion: 93 Resp: 206266
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.2 99.2
 174 114.9 93.4 140.0





#47

Bromodichloromethane

Concen: 52.225 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

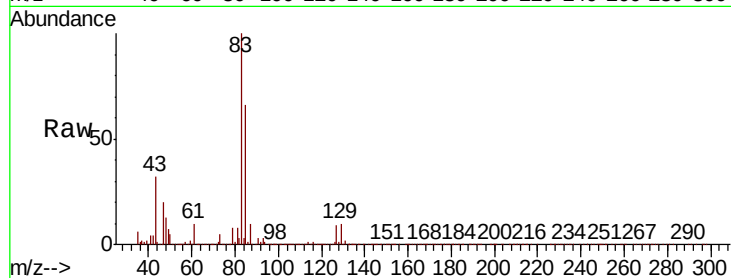
Tot Ion: 83 Resp: 412732

Ion Ratio Lower Upper

83 100

85 65.6 52.1 78.1

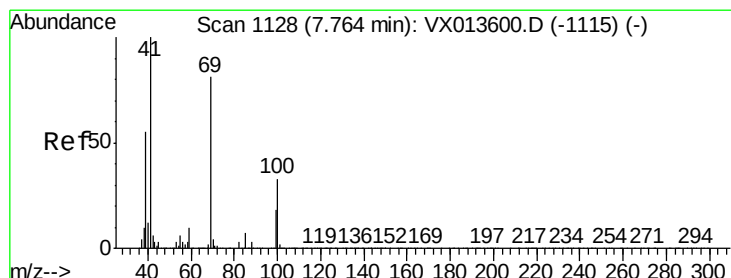
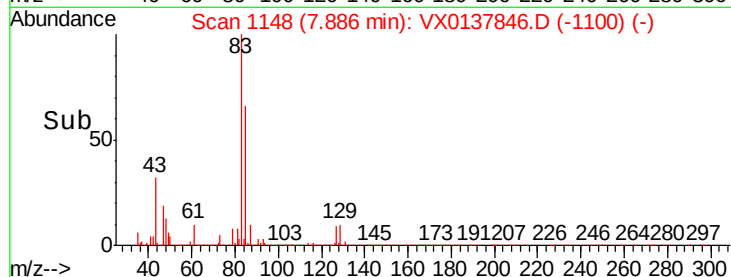
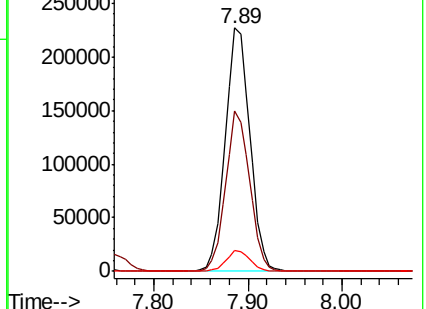
127 8.5 7.0 10.4



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: 52.897 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

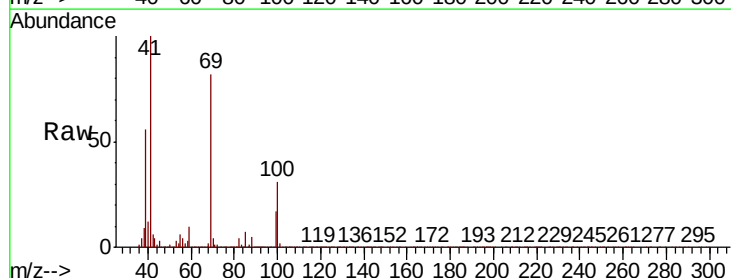
Tgt Ion: 41 Resp: 383422

Ion Ratio Lower Upper

41 100

69 81.9 64.7 97.1

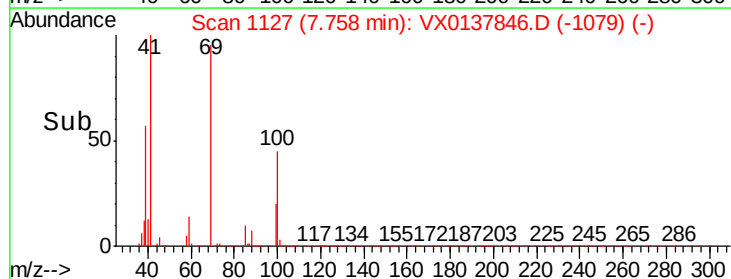
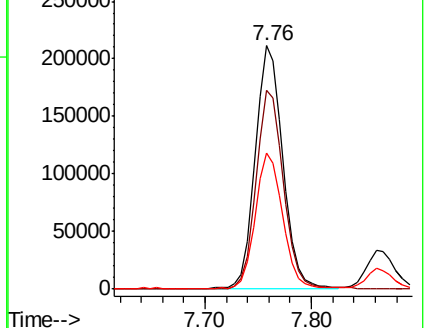
39 55.4 43.8 65.6

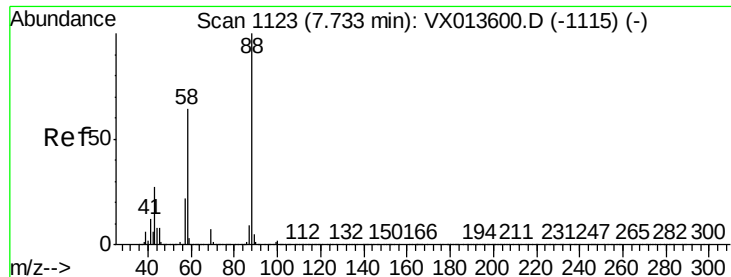


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

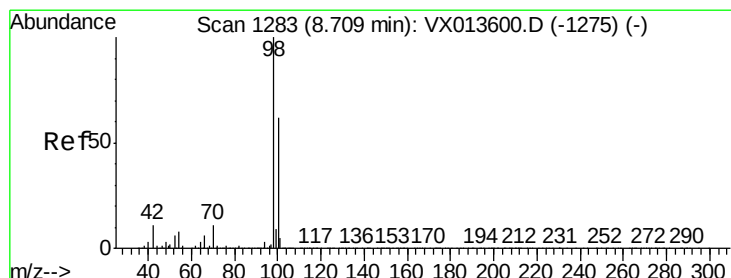
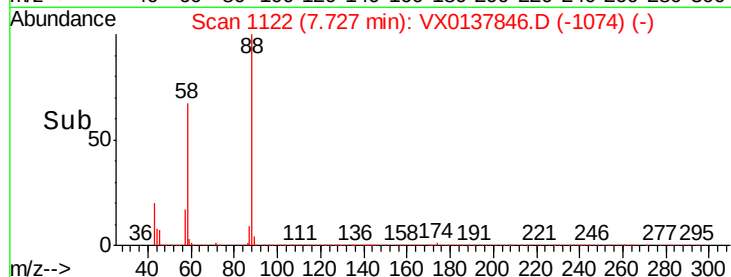
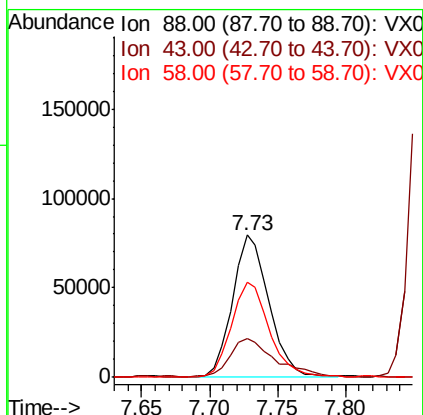
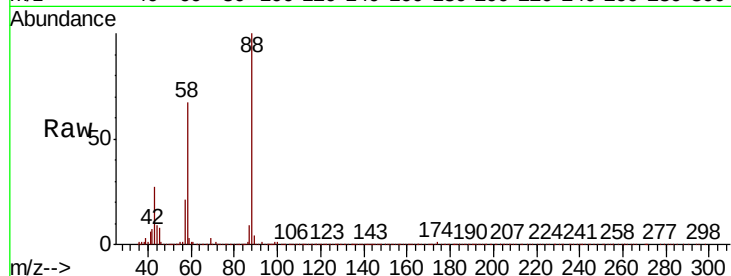




#49
1,4-Dioxane
Concen: 910.201 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

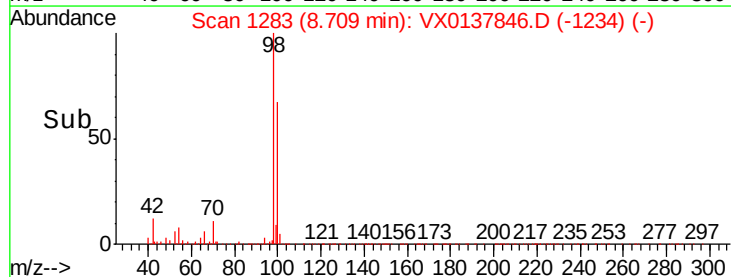
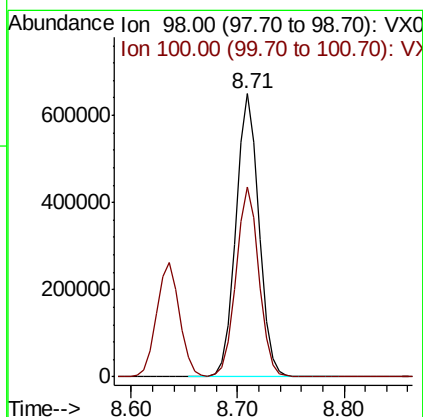
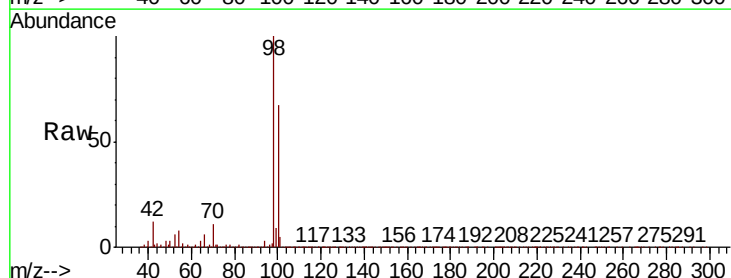
Instrument :
MSVOA_X
ClientSampleId :

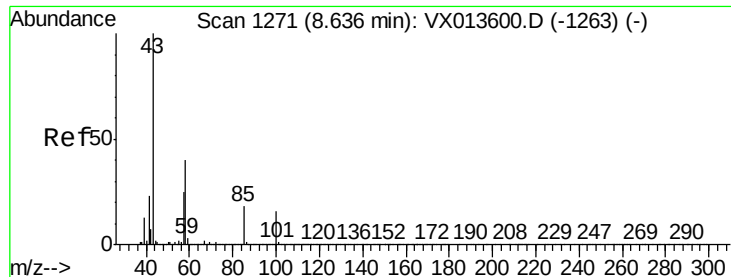
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.8	38.6
58	69.3	54.6	82.0



#50
Toluene-d8
Concen: 46.030 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 260.223 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

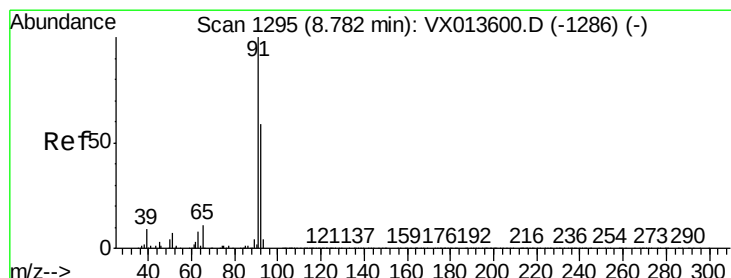
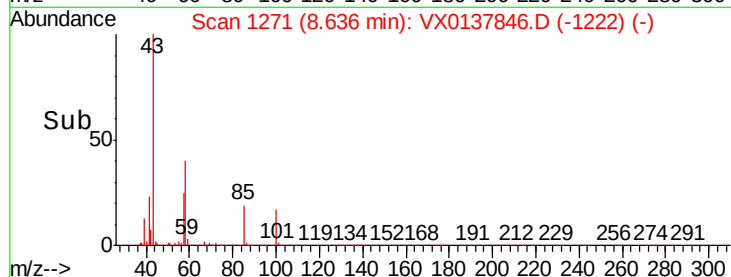
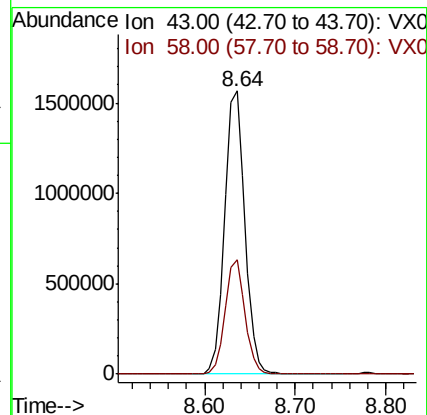
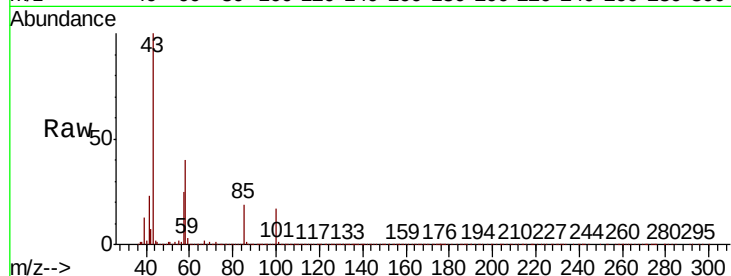
ClientSampleId :

Tot Ion: 43 Resp: 2441931

Ion Ratio Lower Upper

43 100

58 39.5 32.1 48.1



#52

Toluene

Concen: 48.143 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX0137846.D

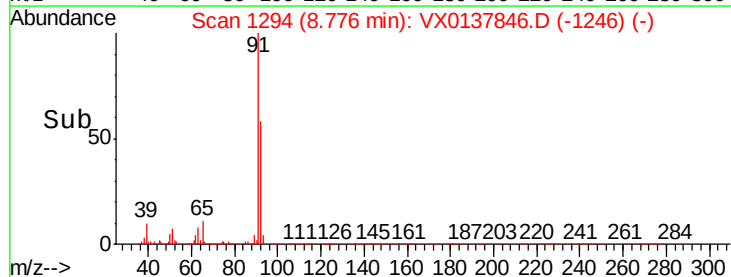
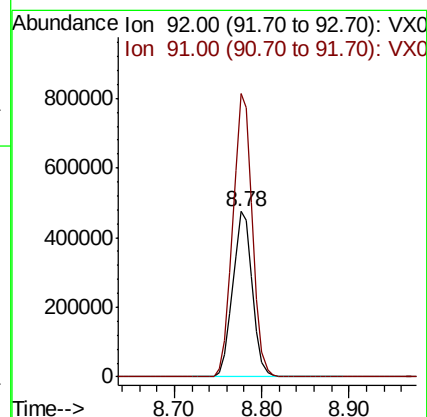
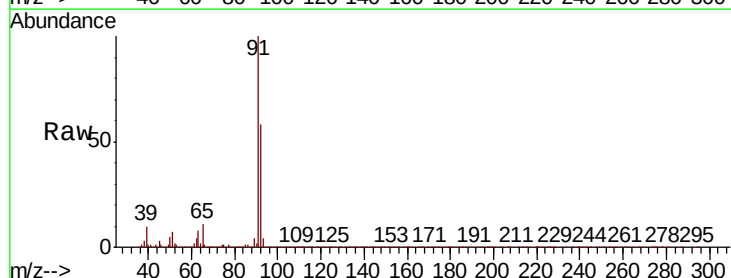
Acq: 09 Dec 2019 11:01

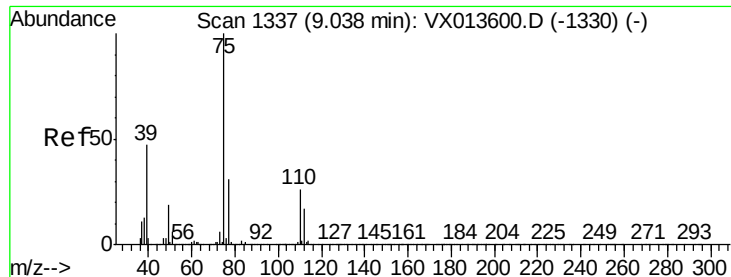
Tgt Ion: 92 Resp: 735787

Ion Ratio Lower Upper

92 100

91 171.3 136.2 204.2

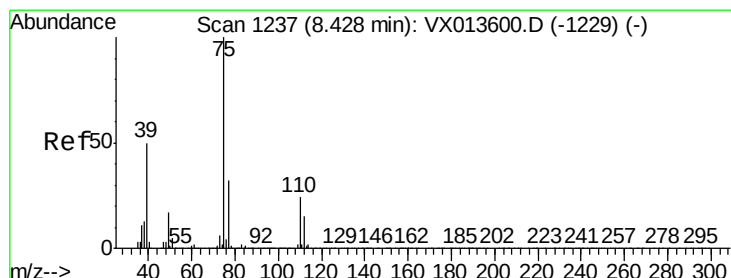
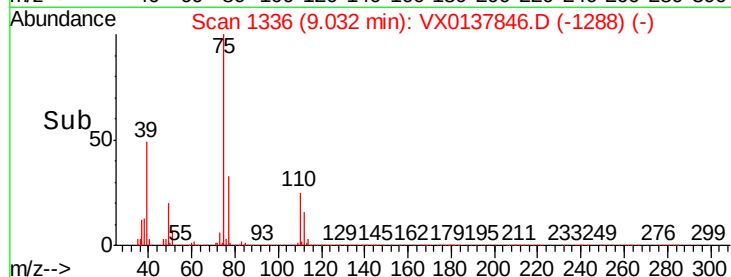
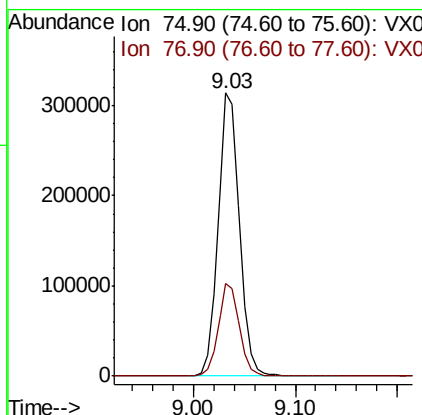
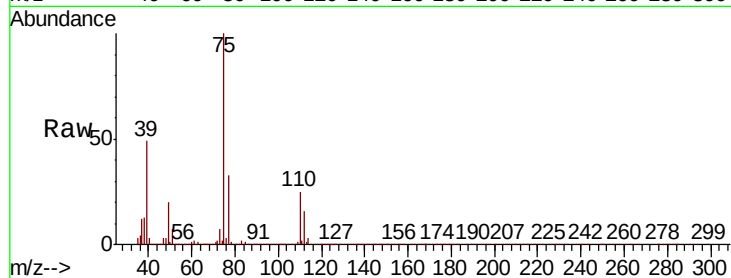




#53
t-1,3-Dichloropropene
Concen: 51.032 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

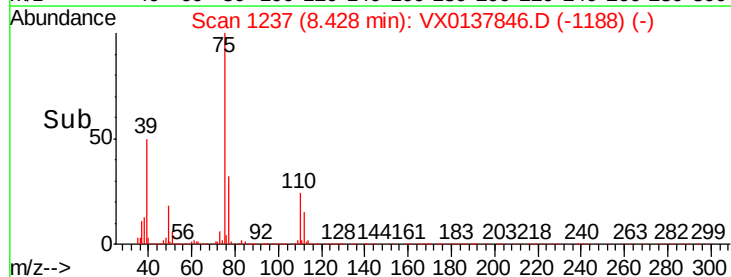
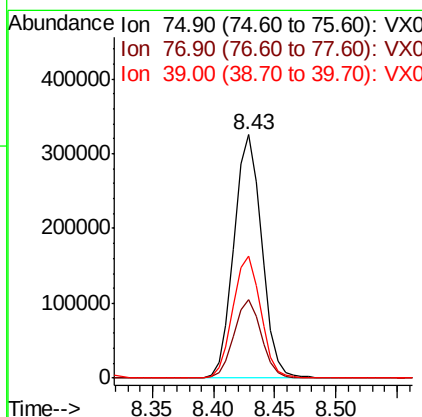
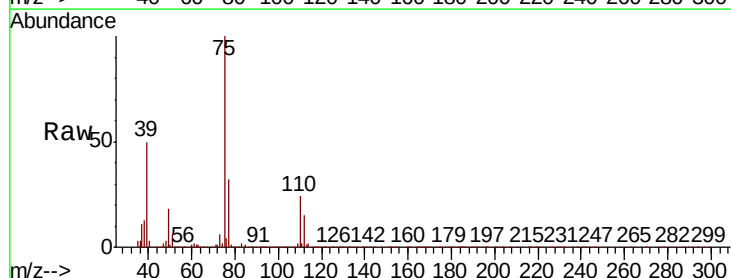
Instrument :
MSVOA_X
ClientSampleId :

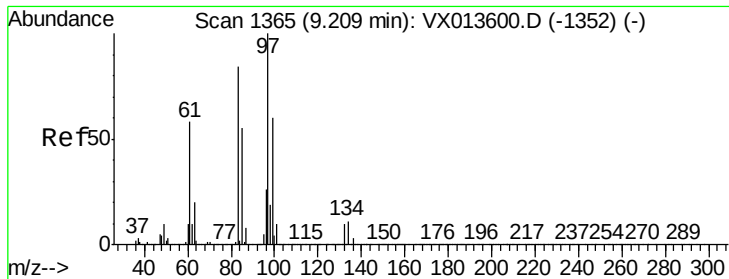
Tot Ion: 75 Resp: 459055
Ion Ratio Lower Upper
75 100
77 32.9 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 51.956 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 75 Resp: 510607
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6
39 50.3 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 52.211 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 321563

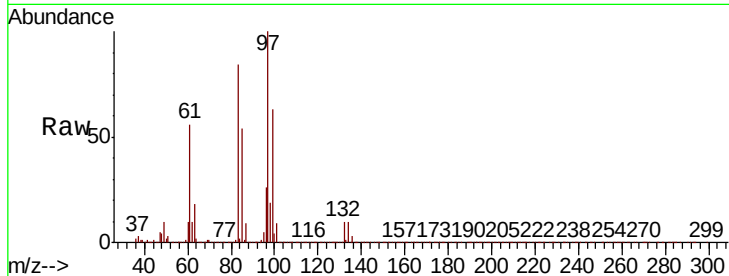
Ion Ratio Lower Upper

97 100

83 84.0 67.3 100.9

85 54.3 43.6 65.4

99 63.1 48.2 72.4

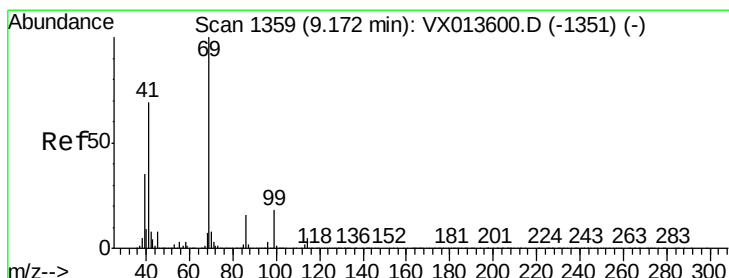
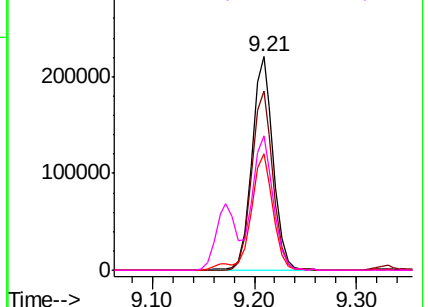
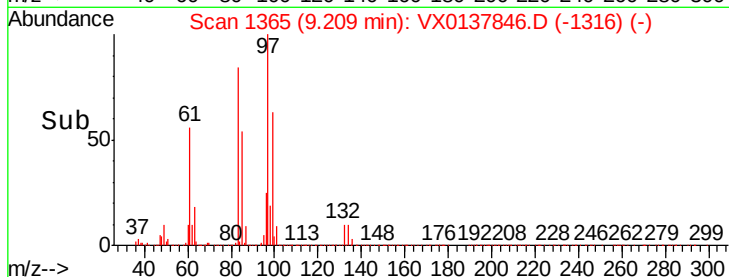


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.665 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

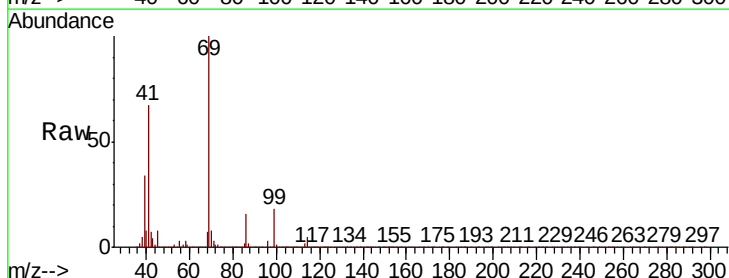
Tgt Ion: 69 Resp: 521484

Ion Ratio Lower Upper

69 100

41 68.3 55.0 82.4

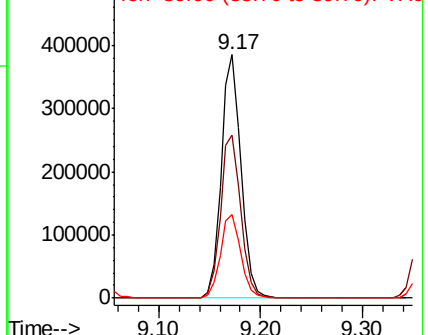
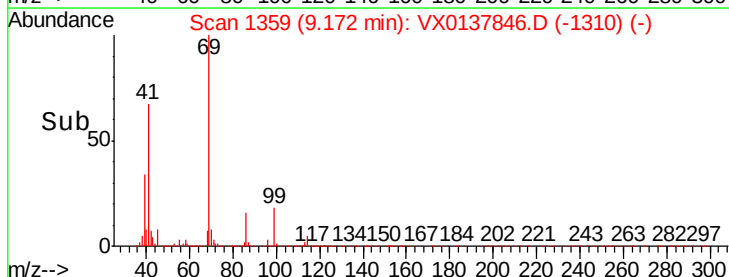
39 35.1 28.7 43.1

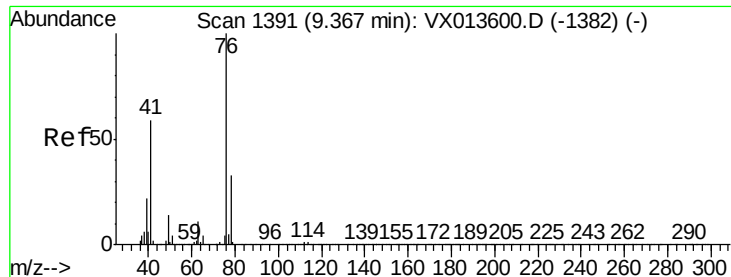


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

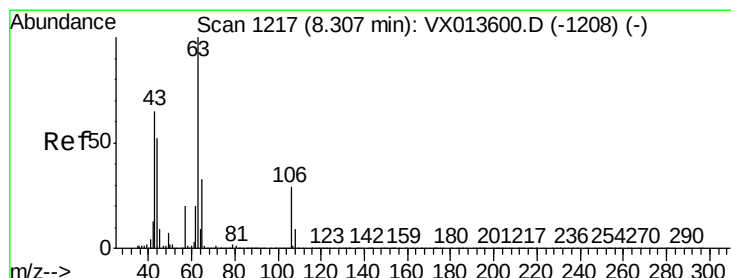
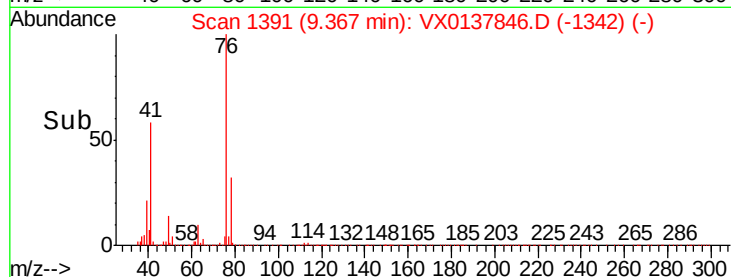
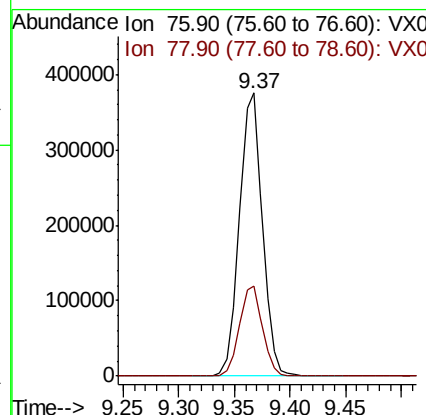
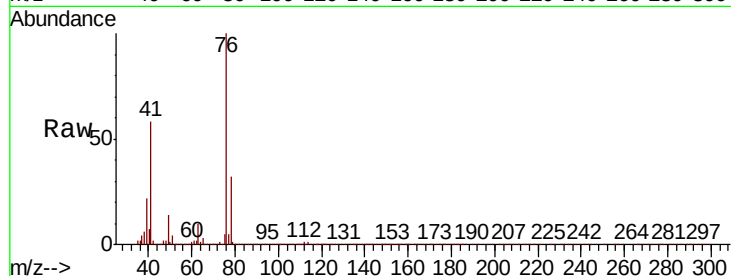




#57
 1,3-Dichloropropane
 Concen: 50.488 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

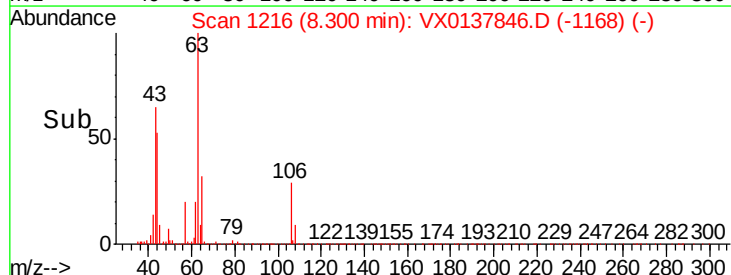
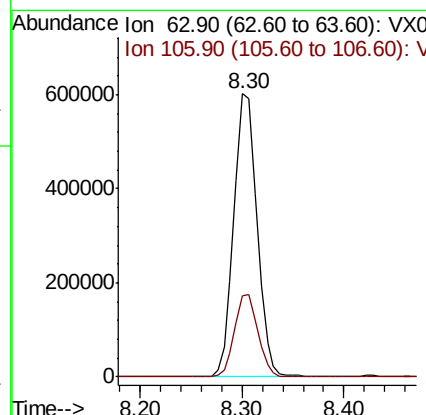
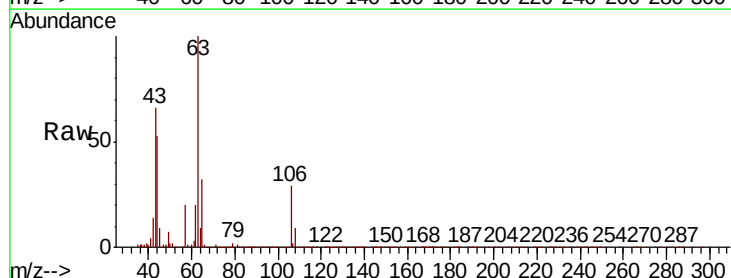
Instrument :
 MSVOA_X
 ClientSampleId :

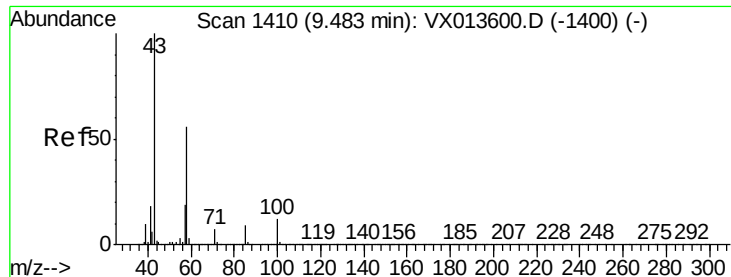
Tot Ion: 76 Resp: 535976
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.455 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion: 63 Resp: 949042
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.4 35.0

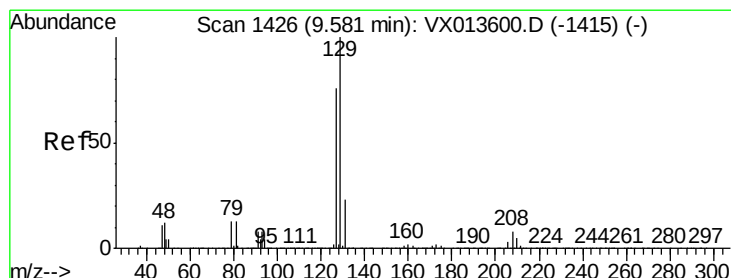
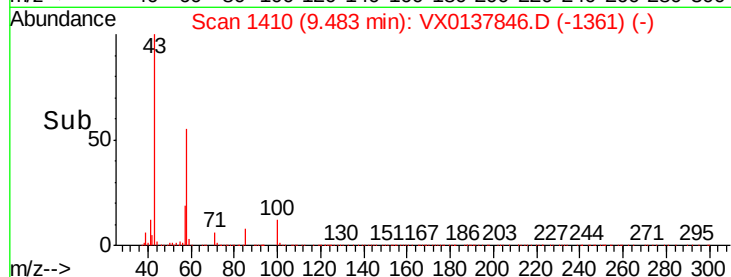
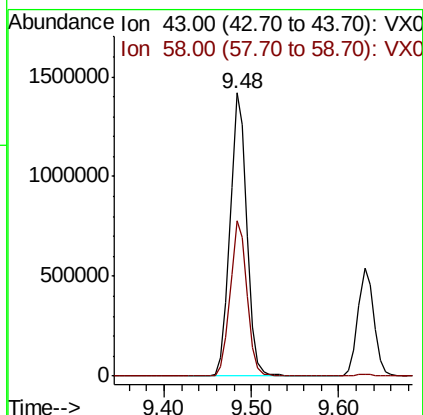
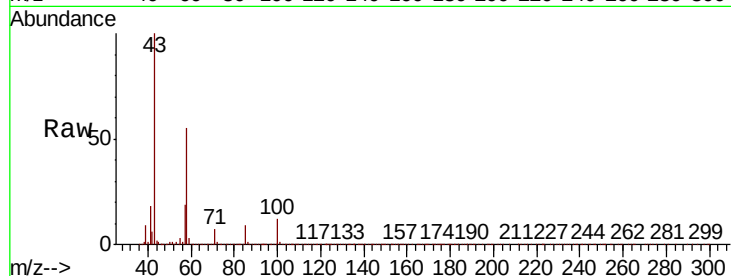




#59
2-Hexanone
Concen: 258.285 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

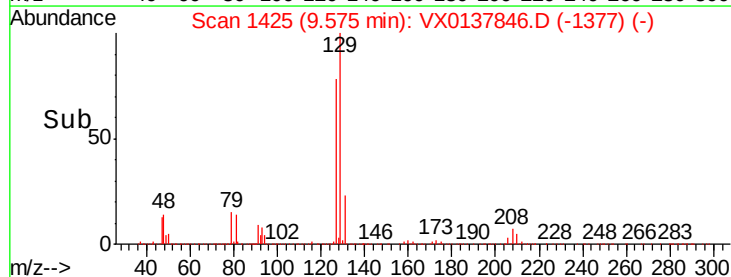
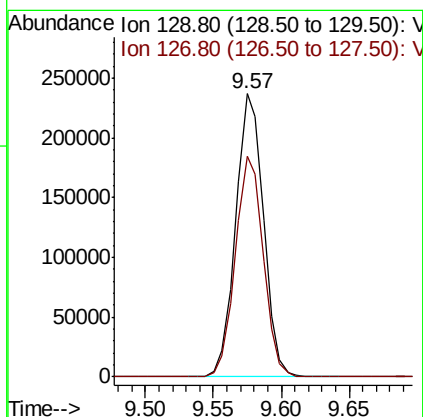
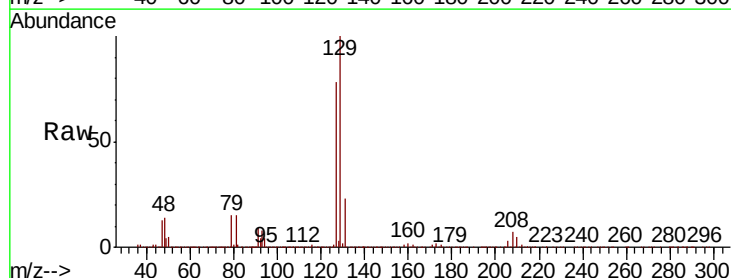
Instrument :
MSVOA_X
ClientSampleId :

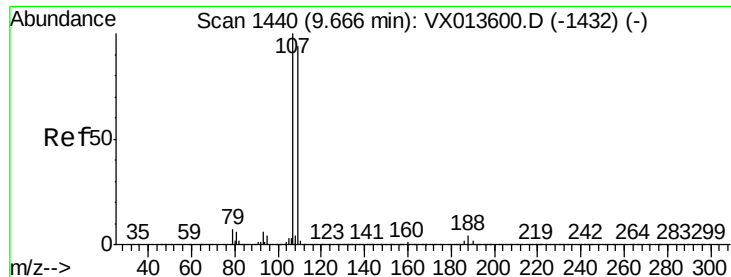
Tot Ion: 43 Resp: 1890340
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.4



#60
Dibromochloromethane
Concen: 52.771 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 129 Resp: 337291
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.009 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

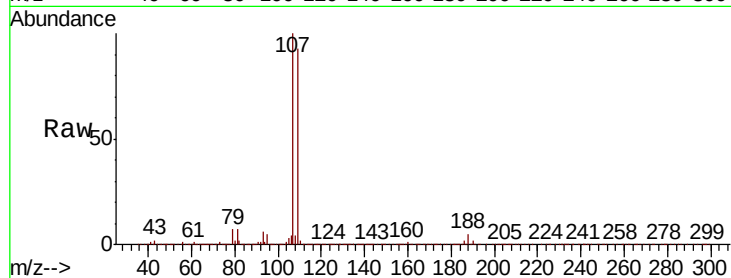
ClientSampleId :

Tot Ion: 107 Resp: 328955

Ion Ratio Lower Upper

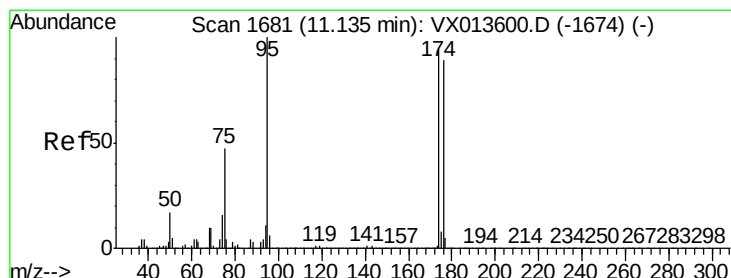
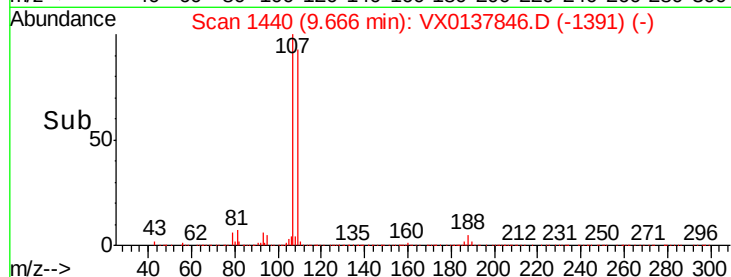
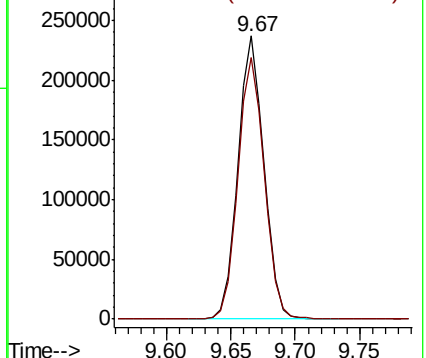
107 100

109 93.9 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.723 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

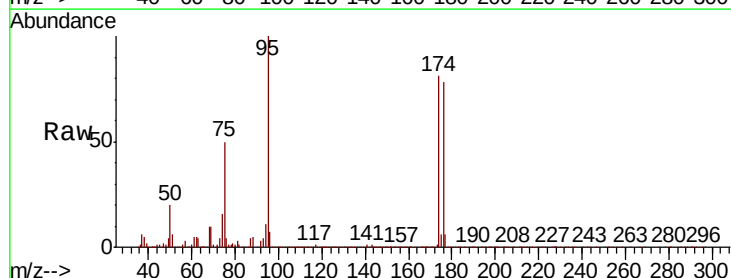
Tgt Ion: 95 Resp: 368838

Ion Ratio Lower Upper

95 100

174 88.4 0.0 180.0

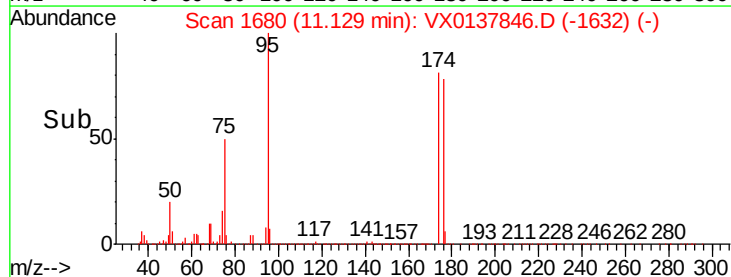
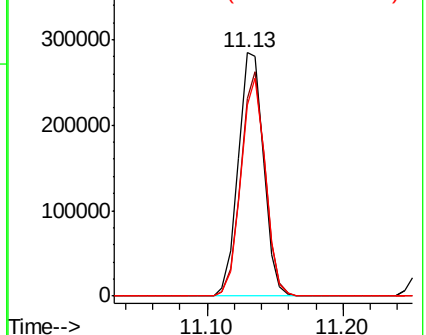
176 86.3 0.0 173.6

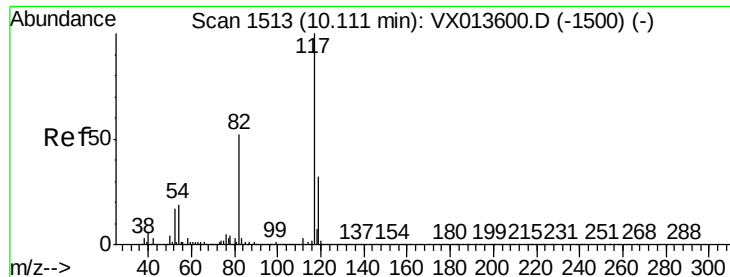


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

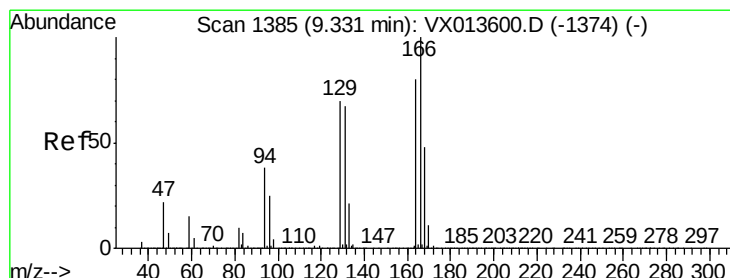
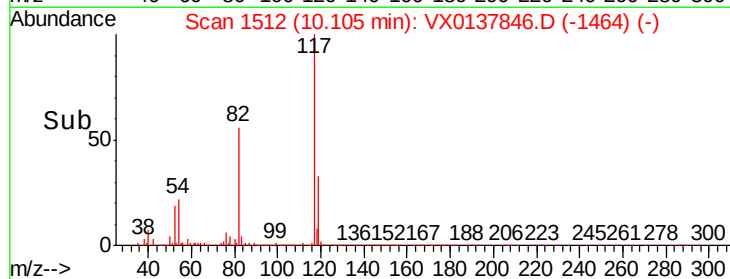
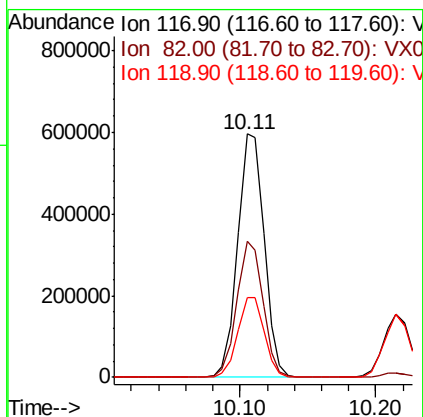
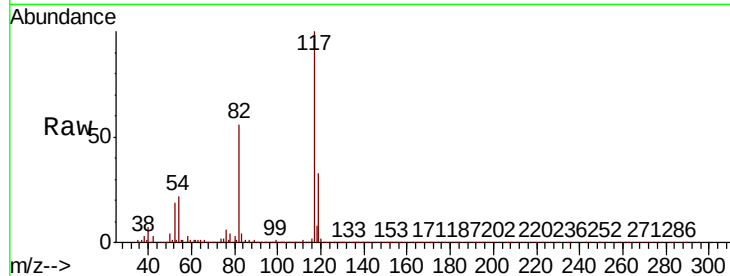




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

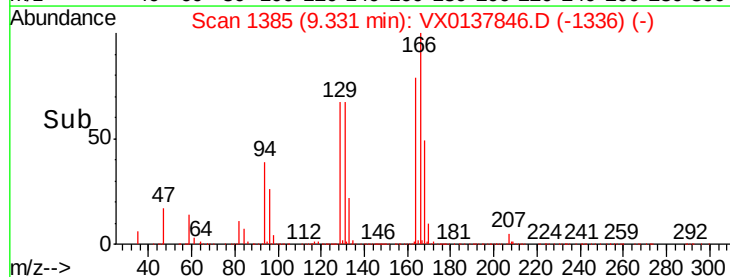
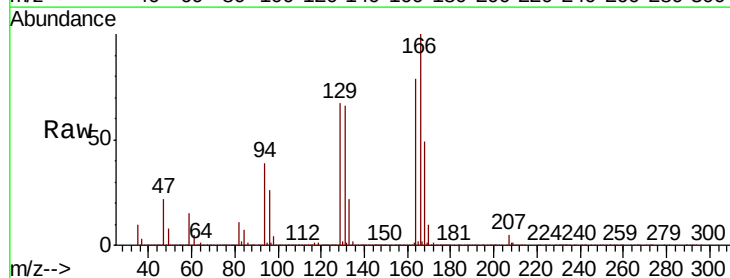
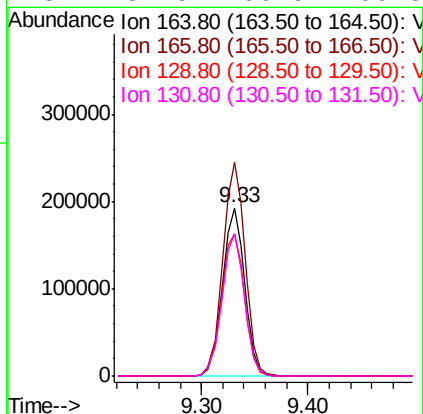
Instrument :
MSVOA_X
ClientSampleId :

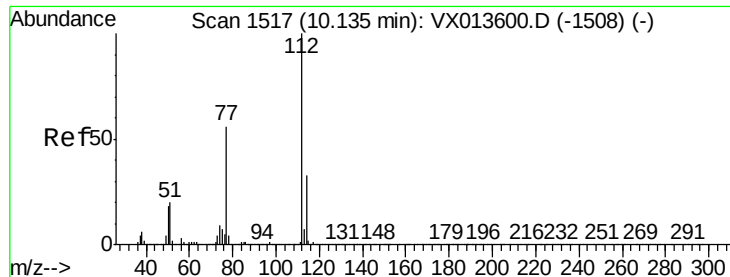
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	41.8	62.8
119	32.6	25.8	38.8



#64
Tetrachloroethene
Concen: 46.192 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	99.7	149.5
129	84.7	70.1	105.1
131	84.5	66.9	100.3





#65

Chlorobenzene

Concen: 47.551 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

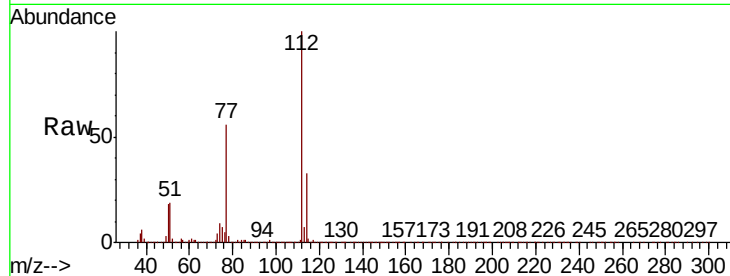
ClientSampled :

Tot Ion:112 Resp: 800209

Ion Ratio Lower Upper

112 100

114 33.1 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

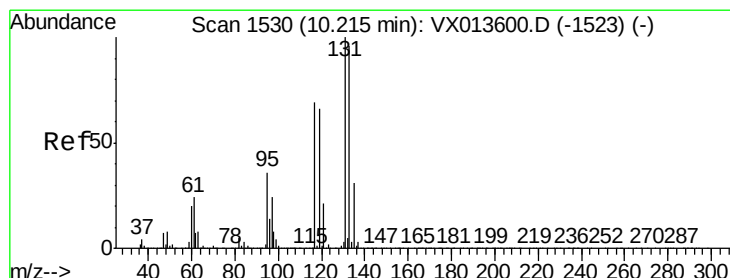
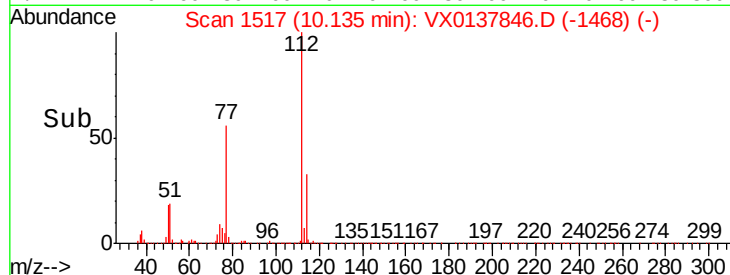
600000

400000

200000

0

Time--> 10.00 10.10 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 50.395 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

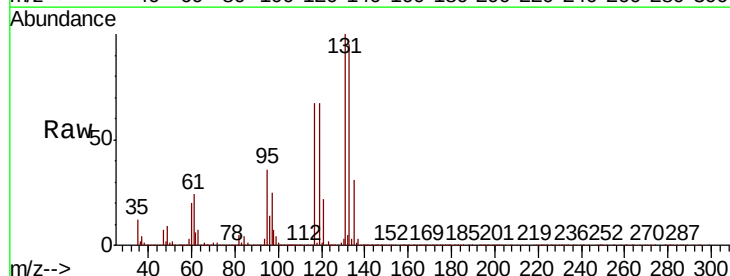
Tgt Ion:131 Resp: 304528

Ion Ratio Lower Upper

131 100

133 96.5 47.7 143.1

119 66.7 32.9 98.6



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

300000

250000

200000

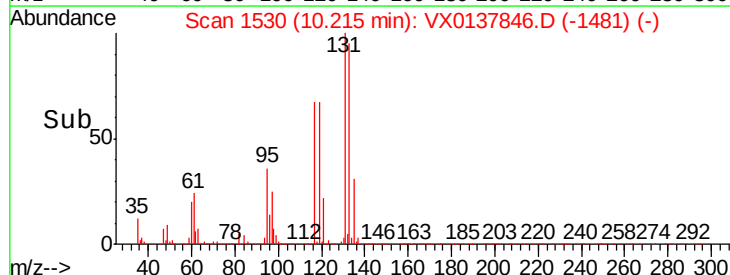
150000

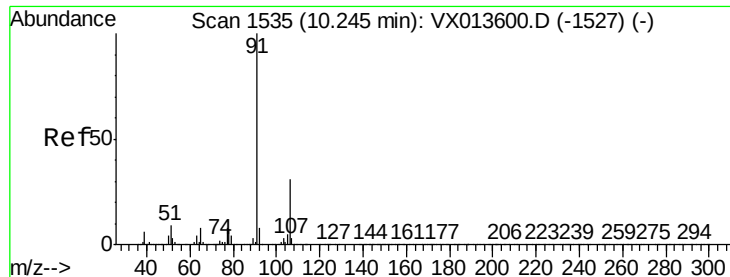
100000

50000

0

Time--> 10.15 10.20 10.25 10.30

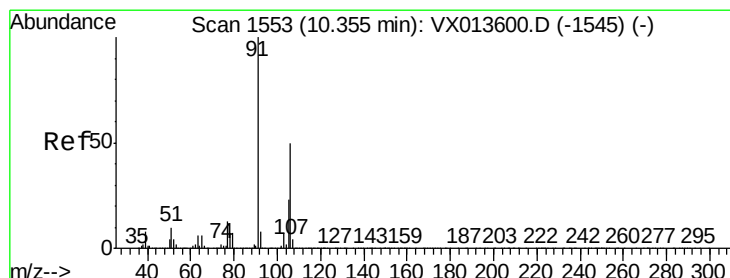
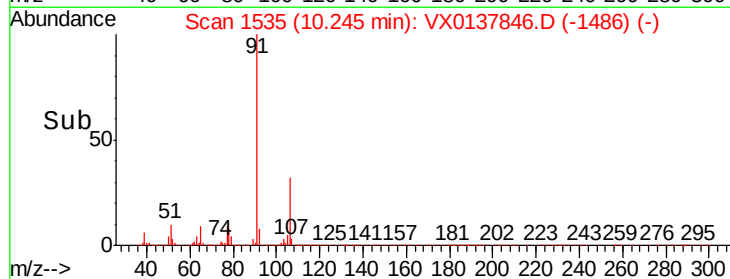
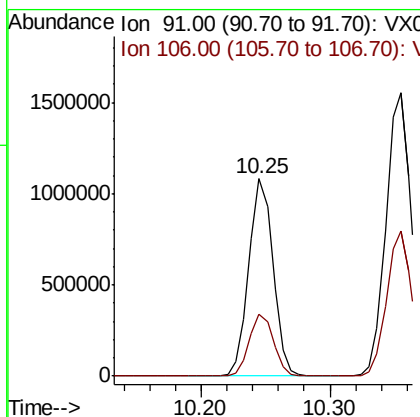
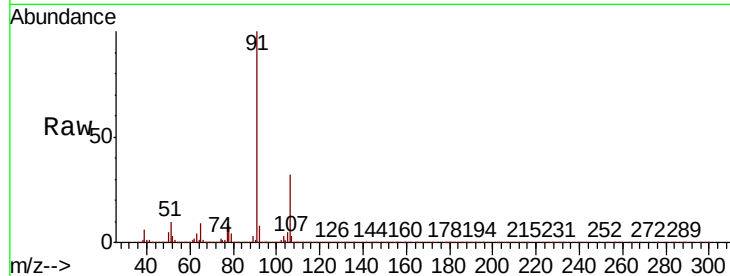




#67
Ethyl Benzene
Concen: 48.458 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

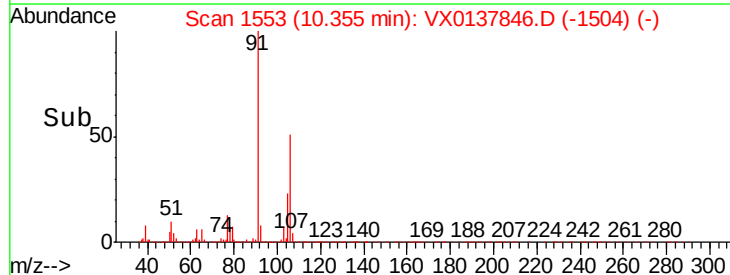
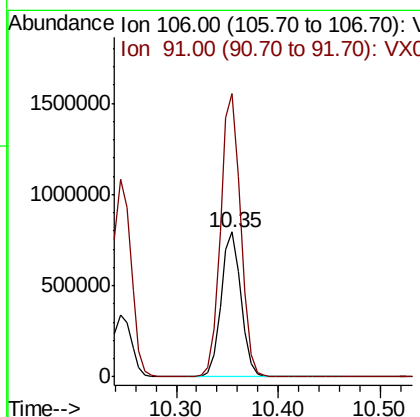
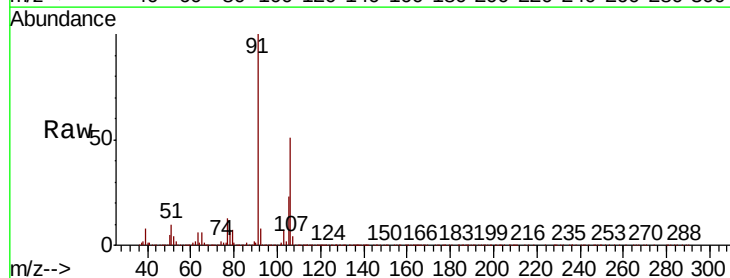
Instrument :
MSVOA_X
ClientSampleId :

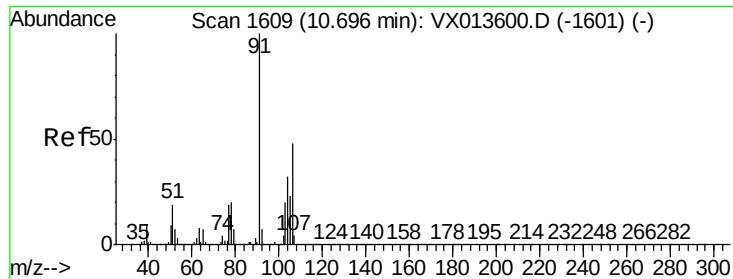
Tot Ion: 91 Resp: 1401289
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7



#68
m/p-Xylenes
Concen: 97.030 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 106 Resp: 1074242
Ion Ratio Lower Upper
106 100
91 198.1 159.0 238.4

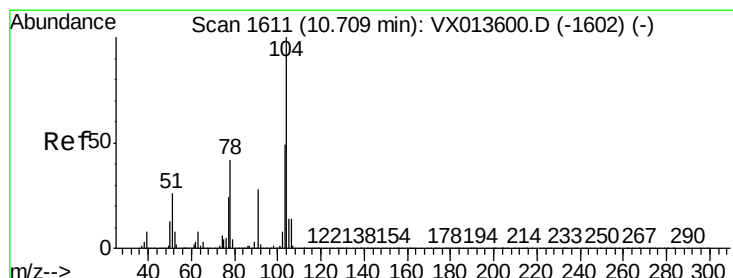
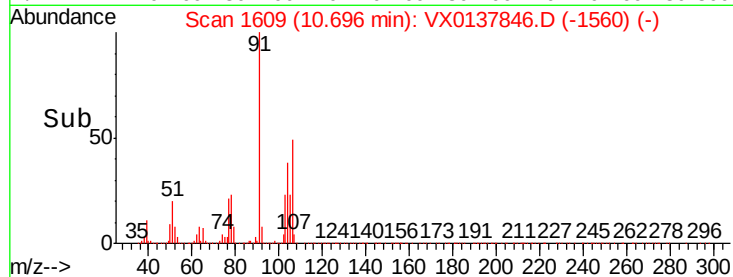
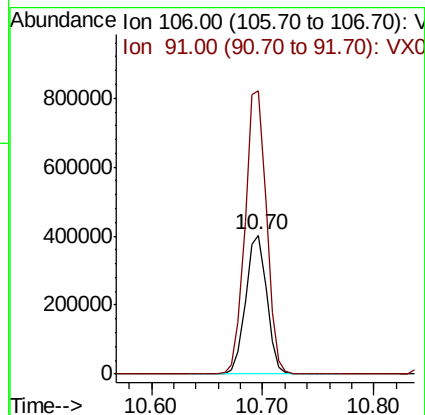
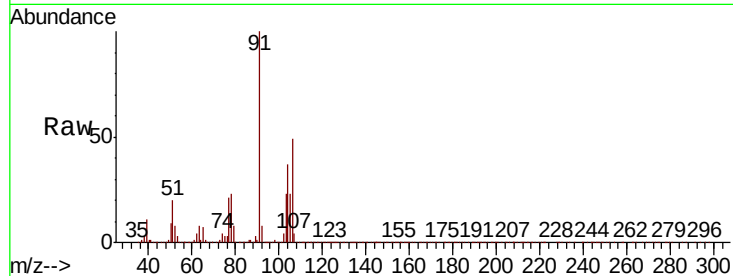




#69
o-Xylene
Concen: 48.897 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

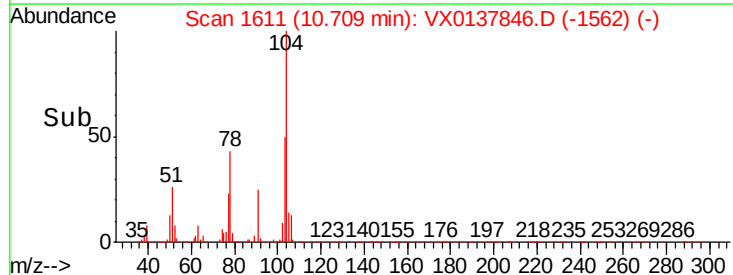
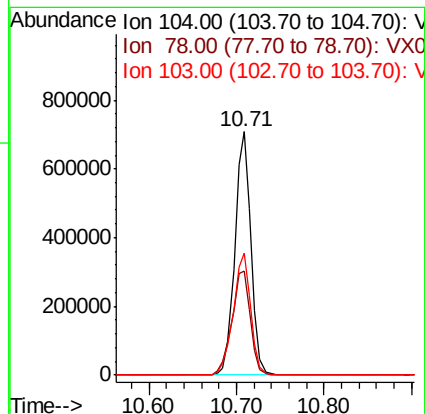
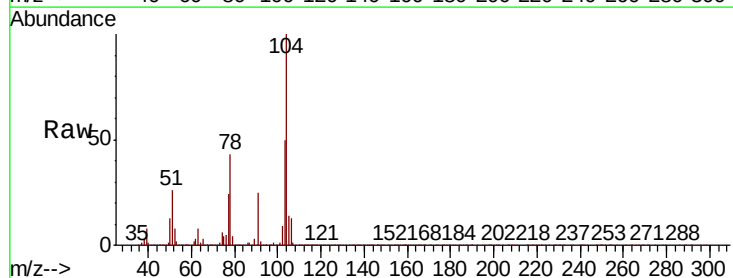
Instrument :
MSVOA_X
ClientSampleId :

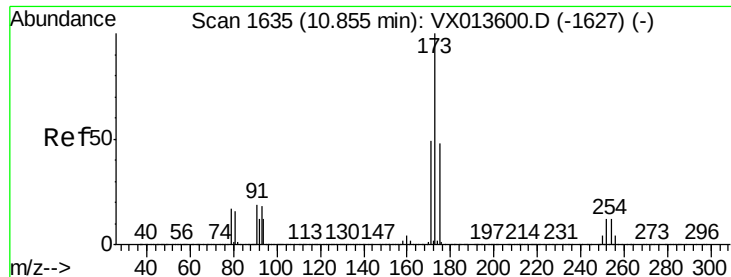
Tot Ion:106 Resp: 527978
Ion Ratio Lower Upper
106 100
91 207.0 104.1 312.2



#70
Styrene
Concen: 50.183 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion:104 Resp: 911500
Ion Ratio Lower Upper
104 100
78 48.9 38.5 57.7
103 54.2 43.7 65.5





#71

Bromoform

Concen: 52.327 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampled :

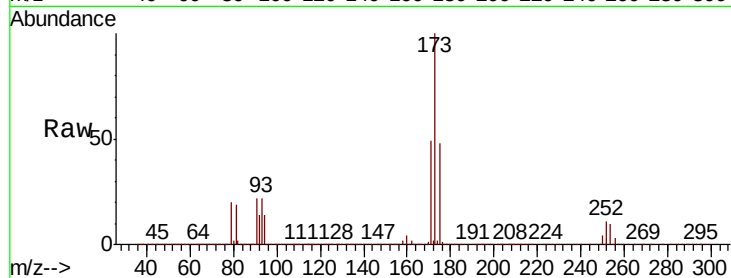
Tot Ion:173 Resp: 261633

Ion Ratio Lower Upper

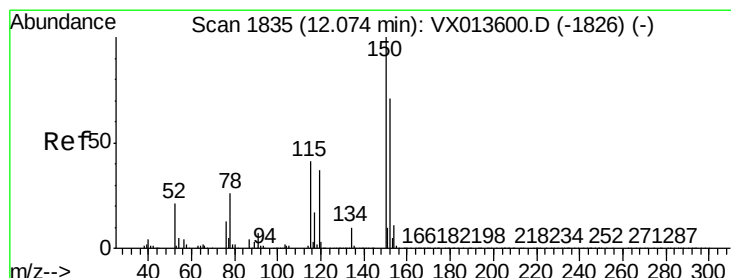
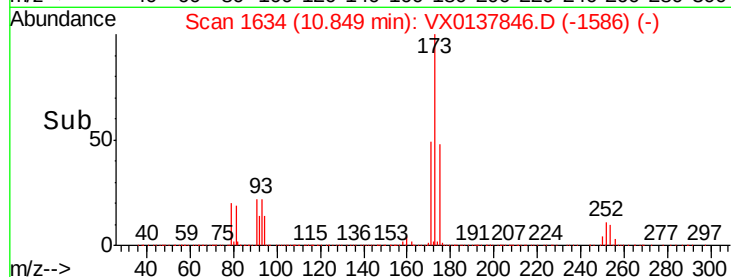
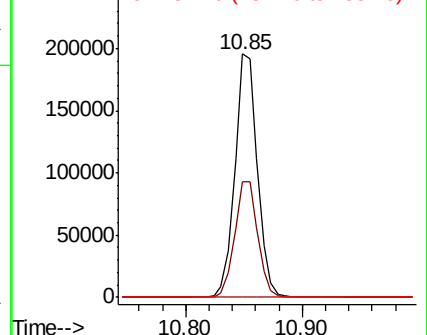
173 100

175 49.2 24.3 72.8

254 0.2 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

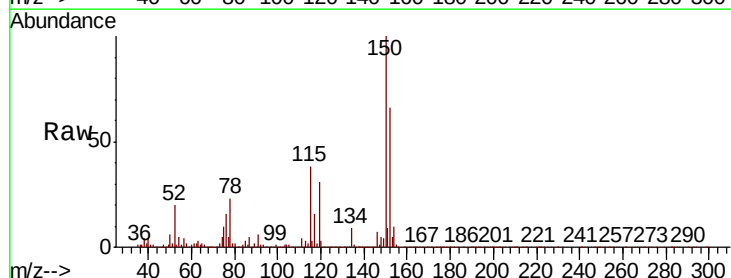
Tgt Ion:152 Resp: 415045

Ion Ratio Lower Upper

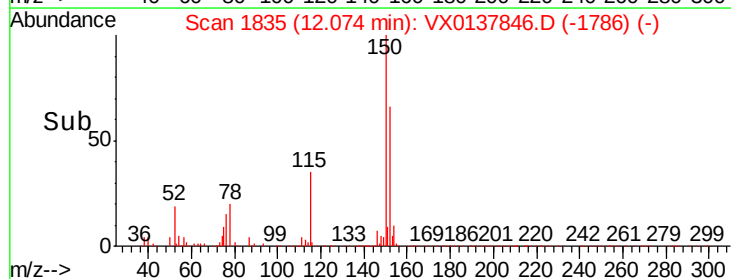
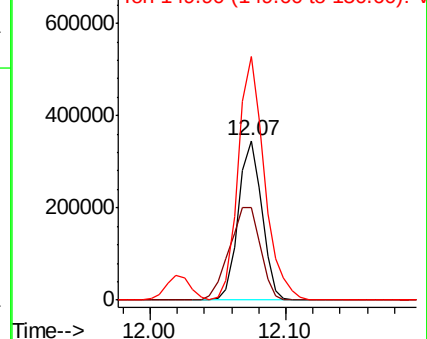
152 100

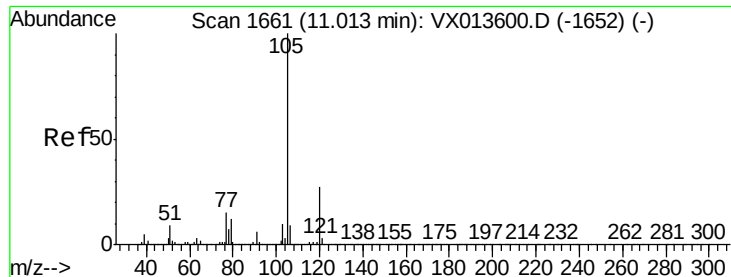
115 77.0 38.4 115.1

150 170.3 0.0 346.8



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: 46.839 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

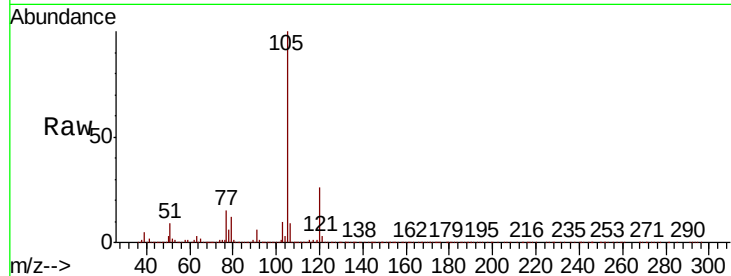
ClientSampleId :

Tot Ion:105 Resp: 1363665

Ion Ratio Lower Upper

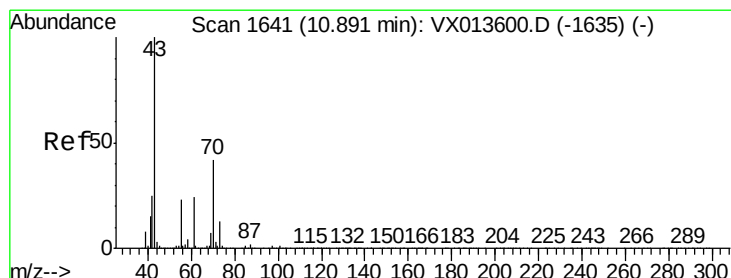
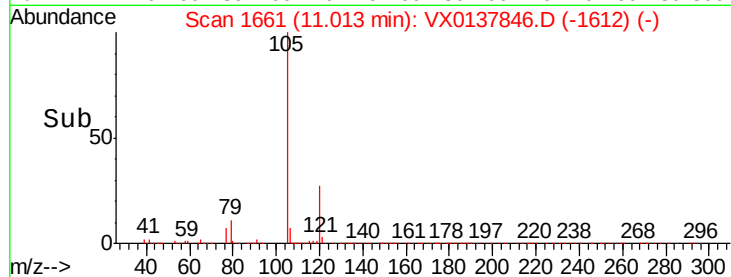
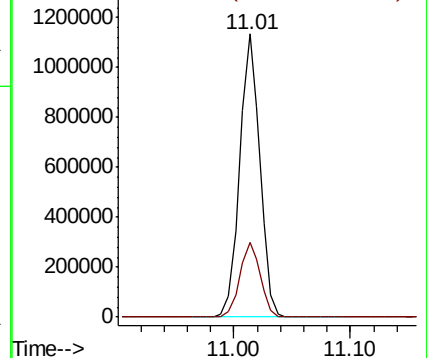
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.081 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Tgt Ion: 43 Resp: 681247

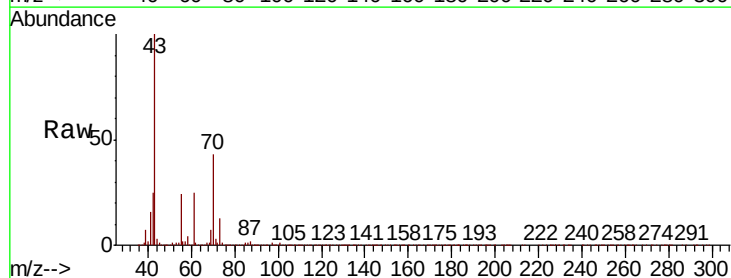
Ion Ratio Lower Upper

43 100

70 43.3 34.3 51.5

55 24.0 18.5 27.7

61 24.8 19.8 29.8

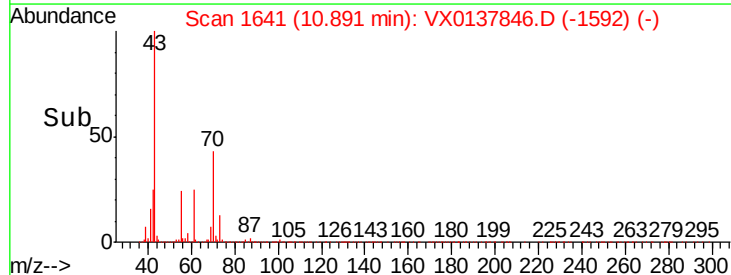
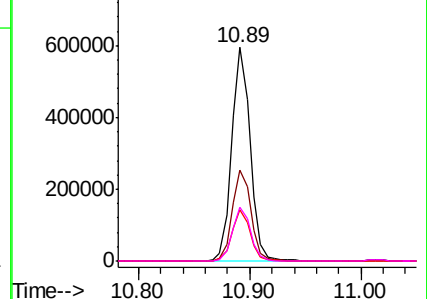


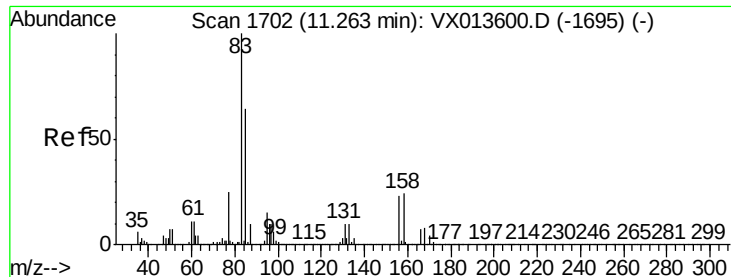
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.092 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

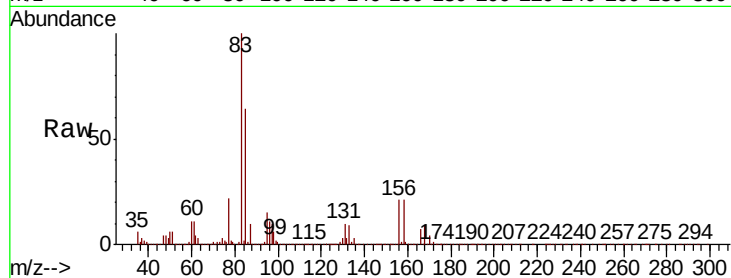
Tot Ion: 83 Resp: 505758

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

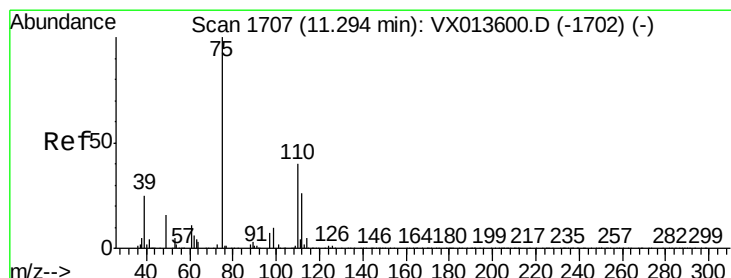
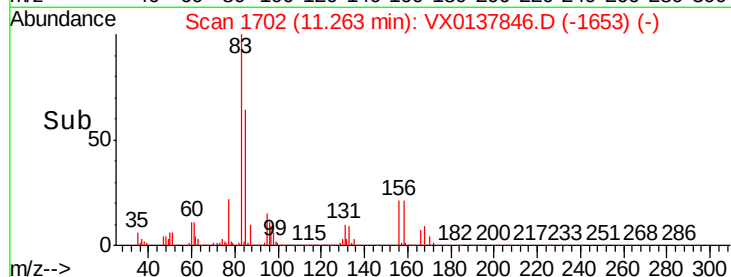
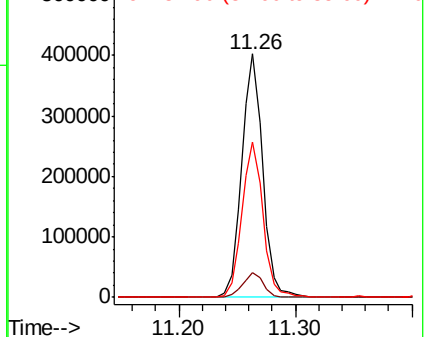
85 64.2 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.558 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX0137846.D

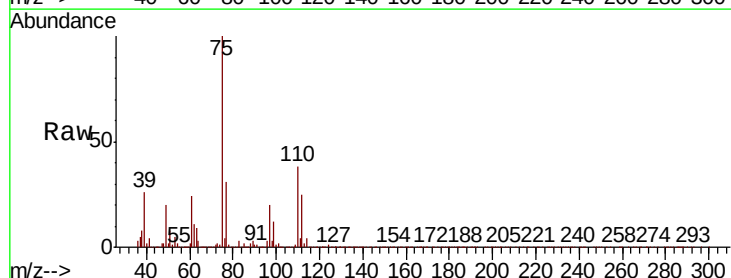
Acq: 09 Dec 2019 11:01

Tgt Ion: 75 Resp: 583988

Ion Ratio Lower Upper

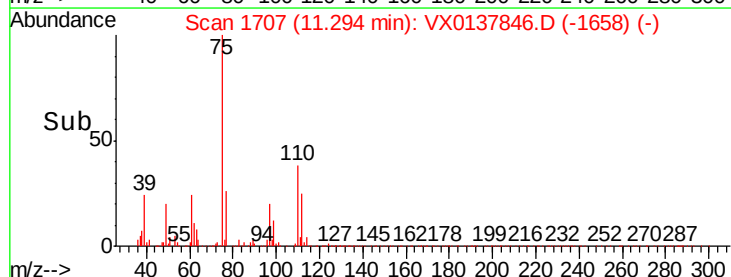
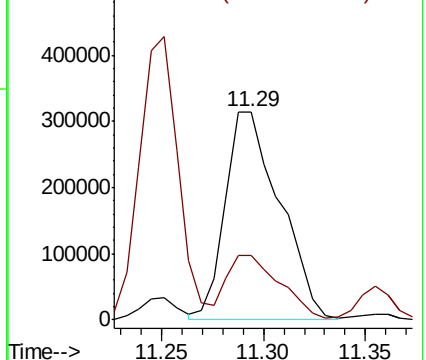
75 100

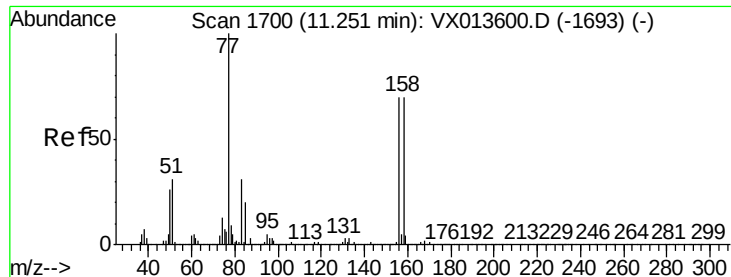
77 30.3 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.344 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

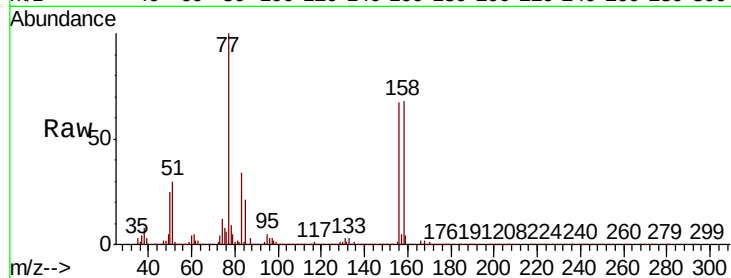
Tot Ion:156 Resp: 364501

Ion Ratio Lower Upper

156 100

77 155.1 74.4 223.1

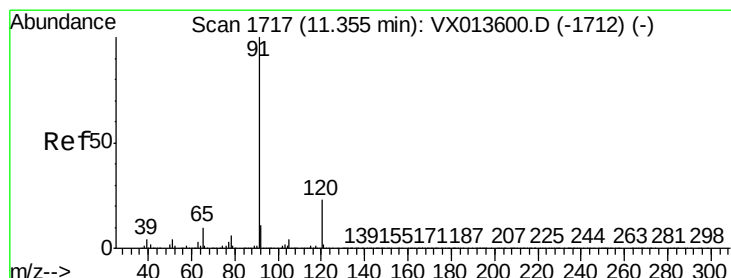
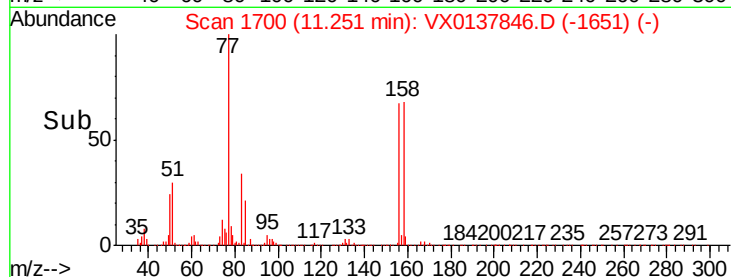
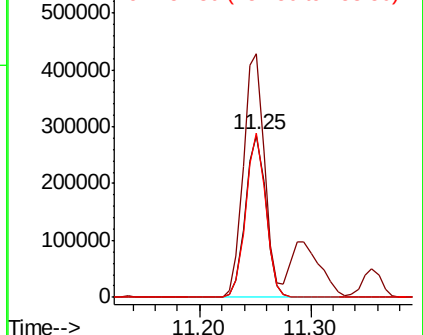
158 98.9 48.9 146.6



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: 48.191 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX0137846.D

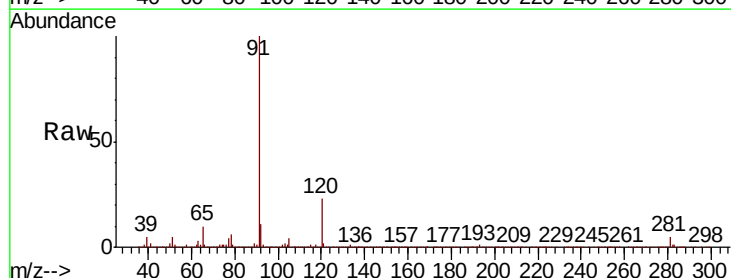
Acq: 09 Dec 2019 11:01

Tgt Ion: 91 Resp: 1566211

Ion Ratio Lower Upper

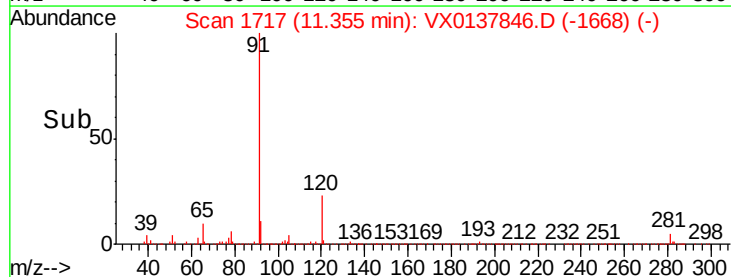
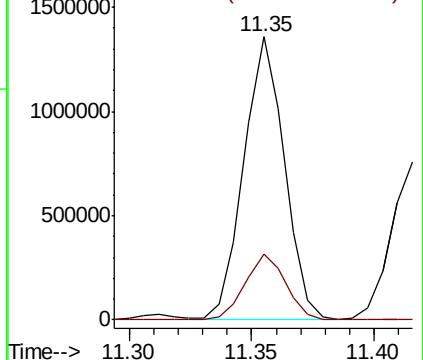
91 100

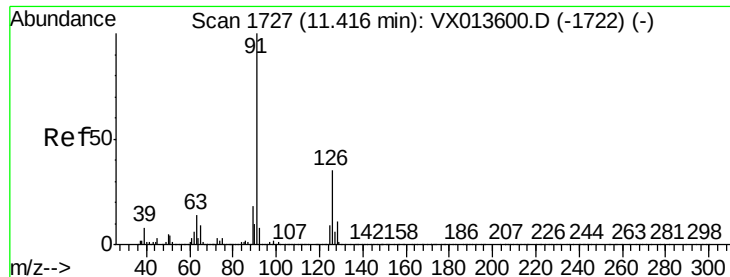
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.848 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

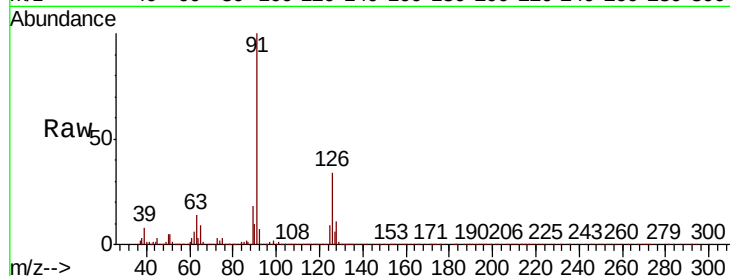
ClientSampleId :

Tot Ion: 91 Resp: 932830

Ion Ratio Lower Upper

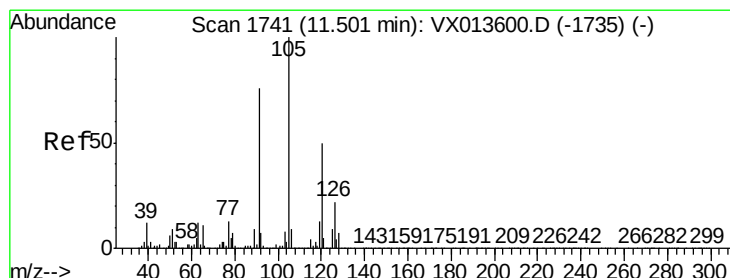
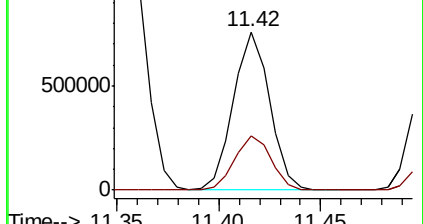
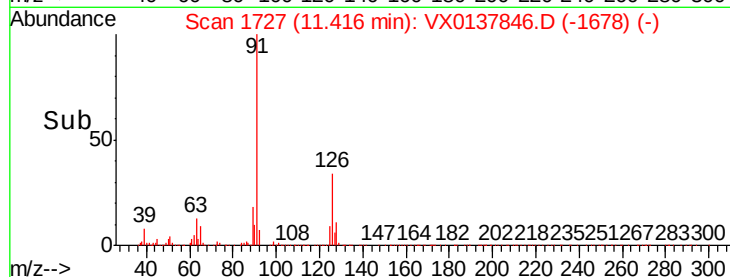
91 100

126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.541 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX0137846.D

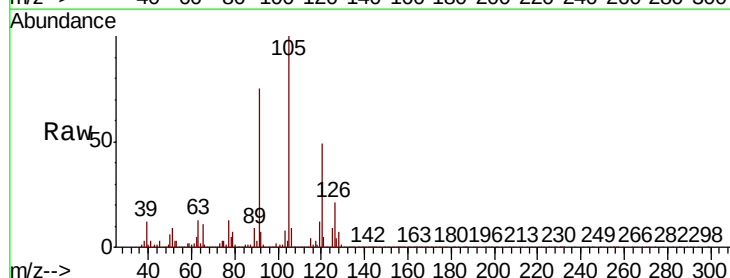
Acq: 09 Dec 2019 11:01

Tgt Ion:105 Resp: 1158261

Ion Ratio Lower Upper

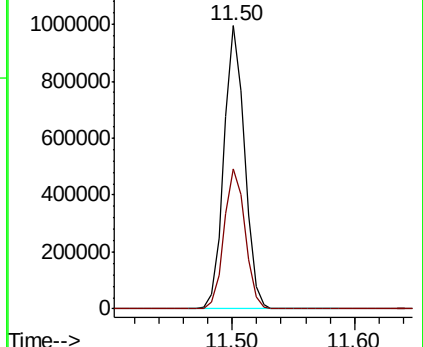
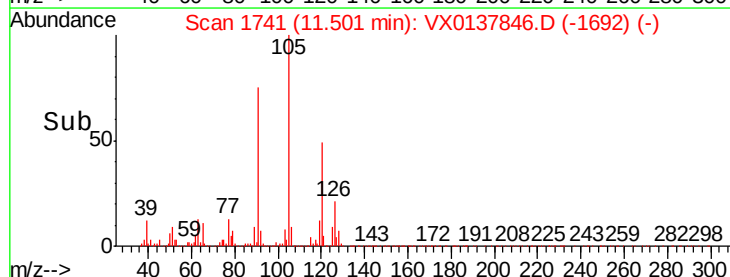
105 100

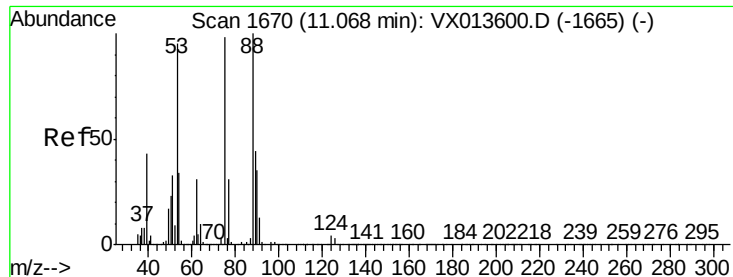
120 50.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

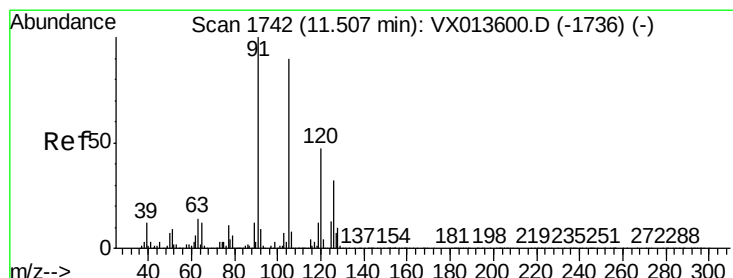
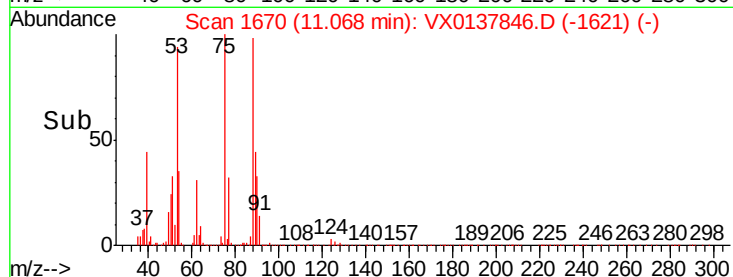
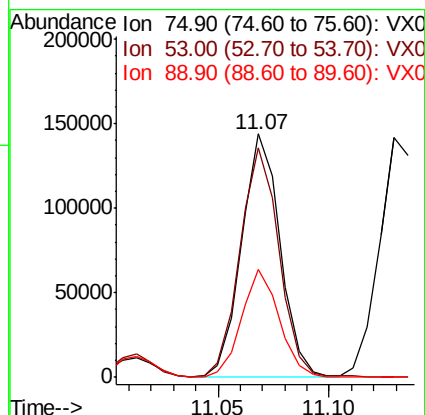
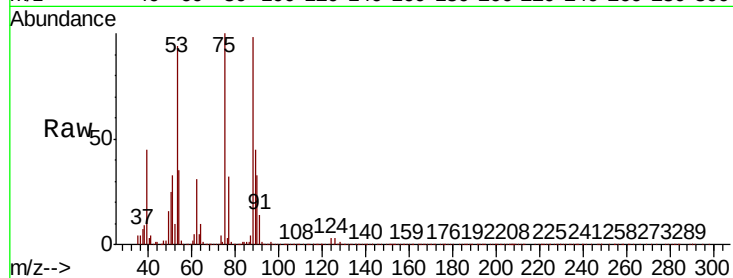




#81
trans-1,4-Dichloro-2-butene
Concen: 50.969 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

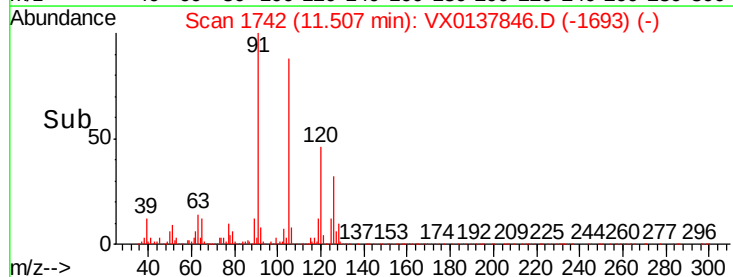
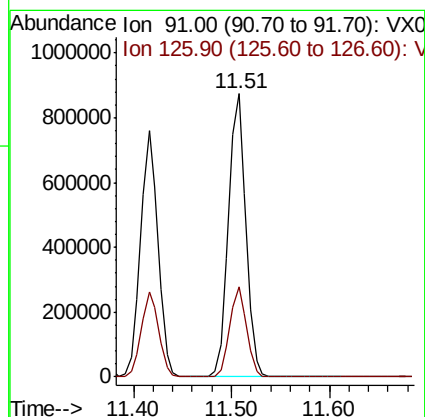
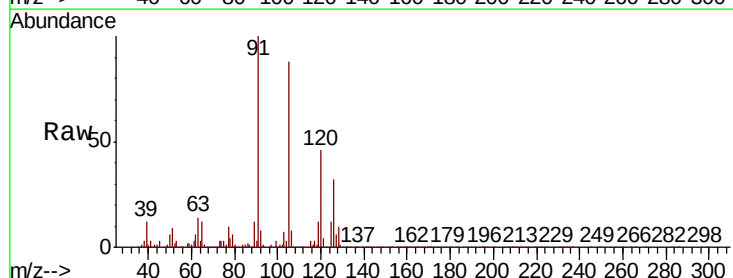
Instrument :
MSVOA_X
ClientSampleId :

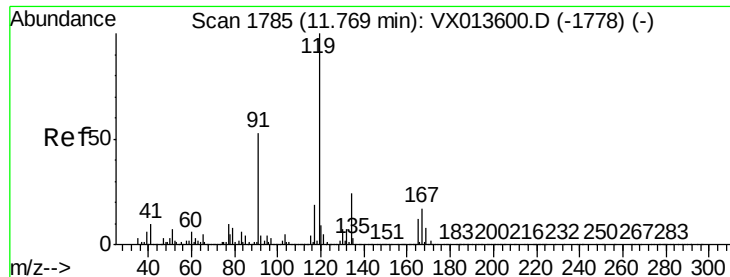
Tot Ion: 75 Resp: 173915
Ion Ratio Lower Upper
75 100
53 95.6 78.2 117.2
89 43.7 35.4 53.2



#82
4-Chlorotoluene
Concen: 47.669 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 91 Resp: 1076376
Ion Ratio Lower Upper
91 100
126 30.8 15.7 47.0





#83

tert-Butylbenzene

Concen: 48.014 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

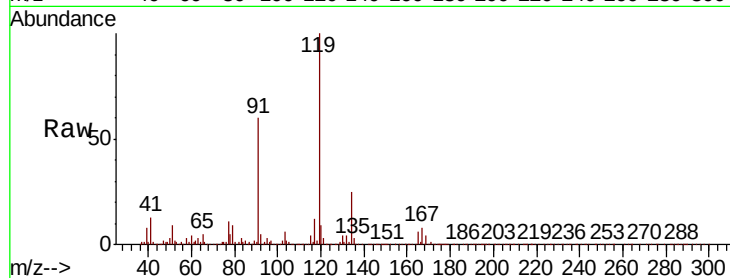
Tot Ion:119 Resp: 1164343

Ion Ratio Lower Upper

119 100

91 54.1 27.2 81.6

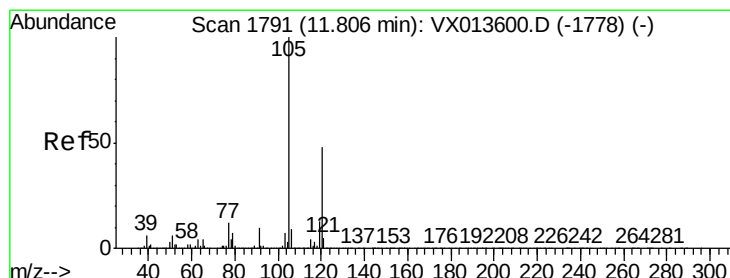
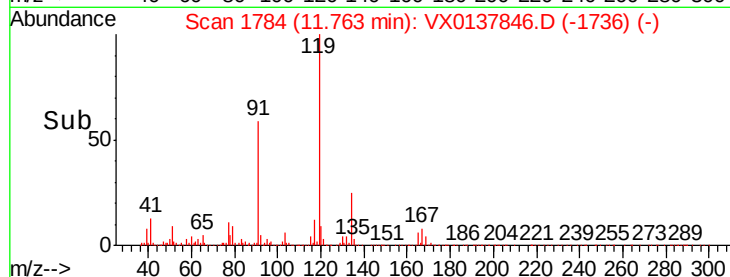
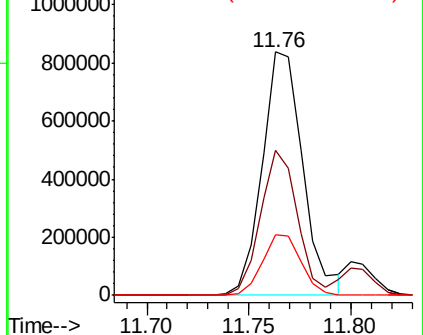
134 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.329 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX0137846.D

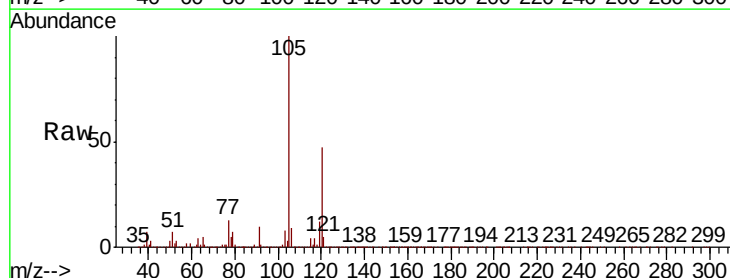
Acq: 09 Dec 2019 11:01

Tgt Ion:105 Resp: 1170378

Ion Ratio Lower Upper

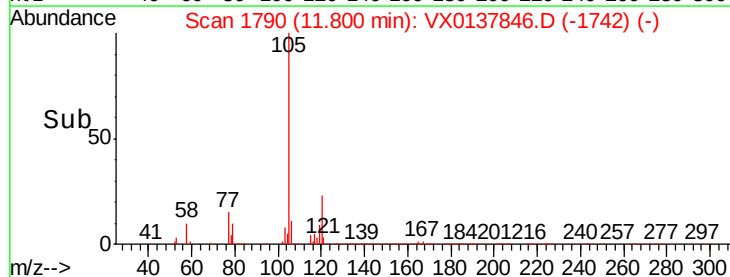
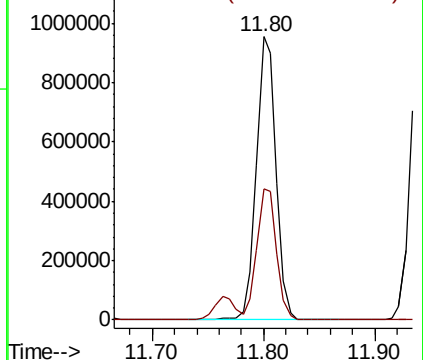
105 100

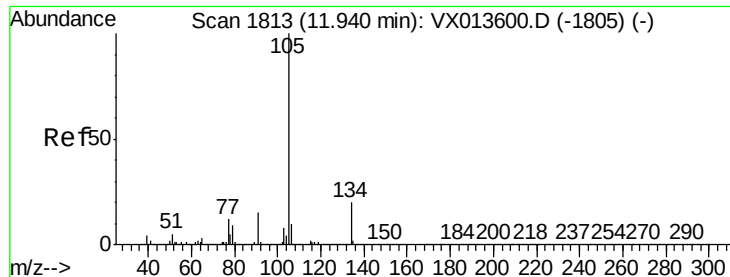
120 46.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

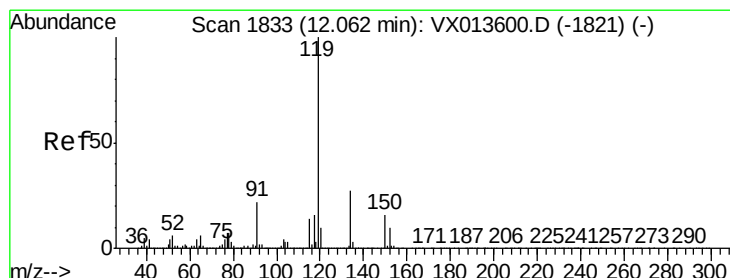
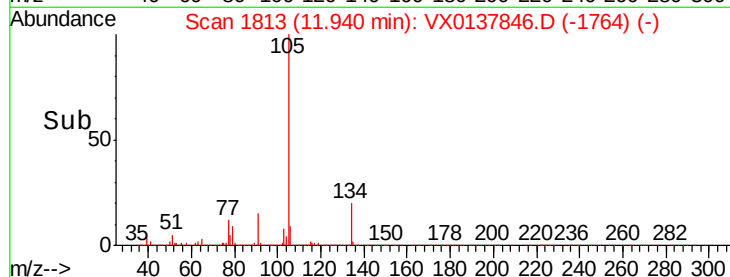
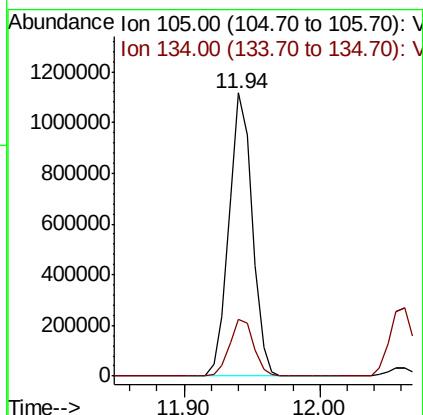
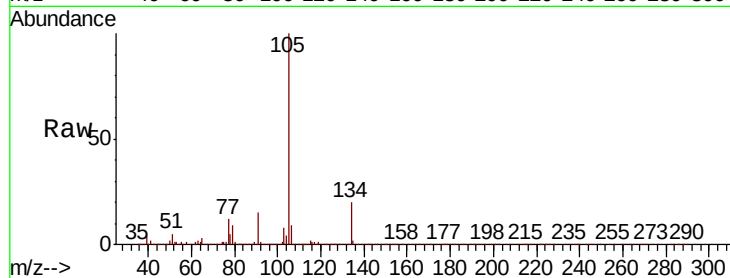




#85
 sec-Butylbenzene
 Concen: 47.877 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

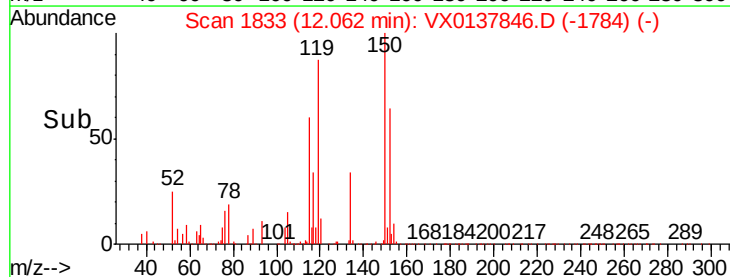
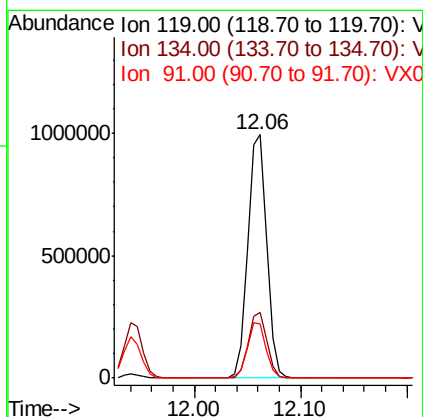
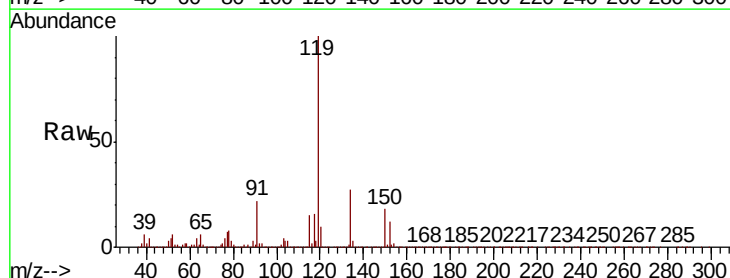
Instrument :
 MSVOA_X
 ClientSampleId :

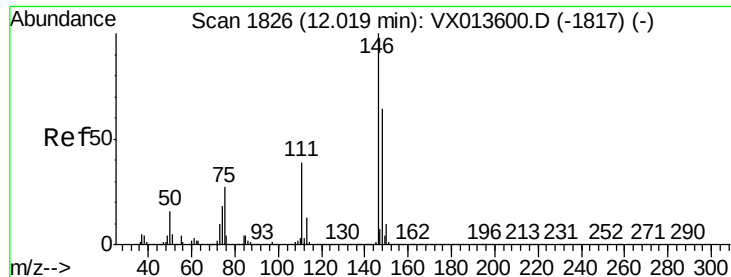
Tot Ion:105 Resp: 1326154
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 48.182 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion:119 Resp: 1241563
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 47.441 ug/l

RT: 12.02 min Scan# 1826

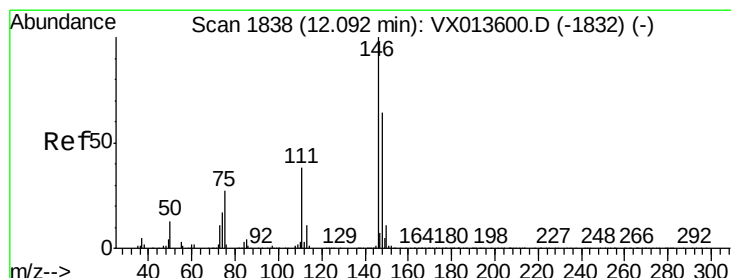
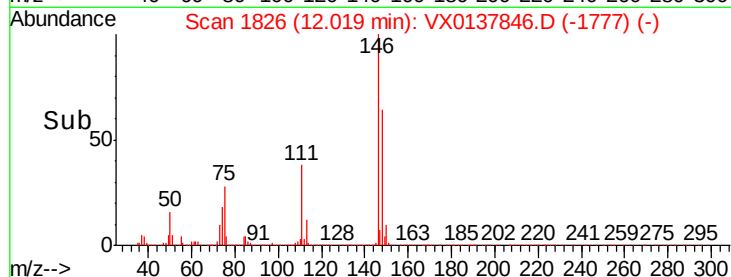
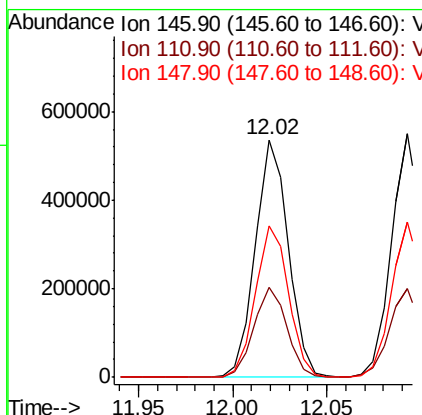
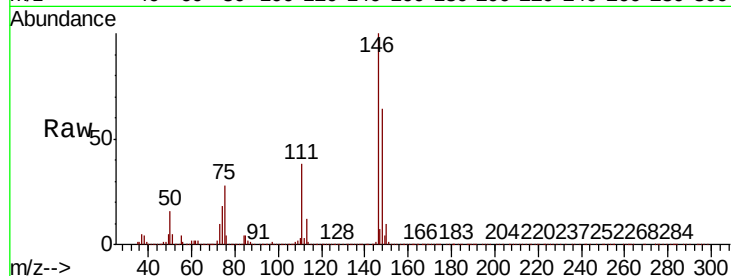
Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.0	57.0
148	63.9	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 46.454 ug/l

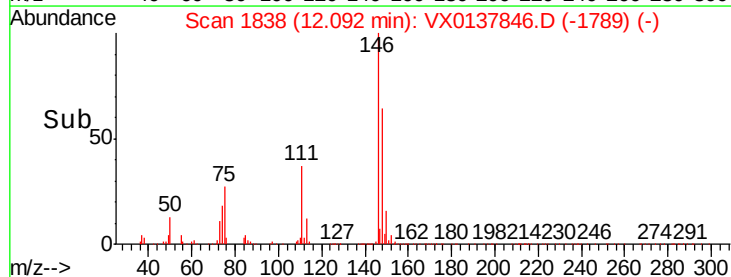
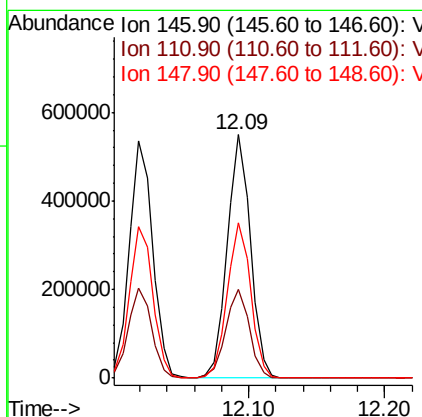
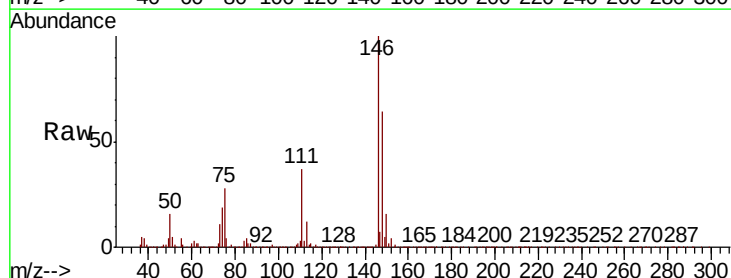
RT: 12.09 min Scan# 1838

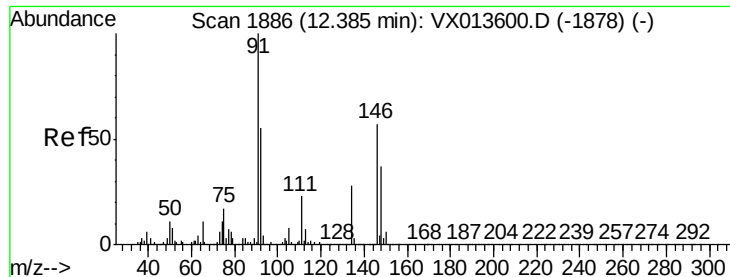
Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.3	31.9	95.5

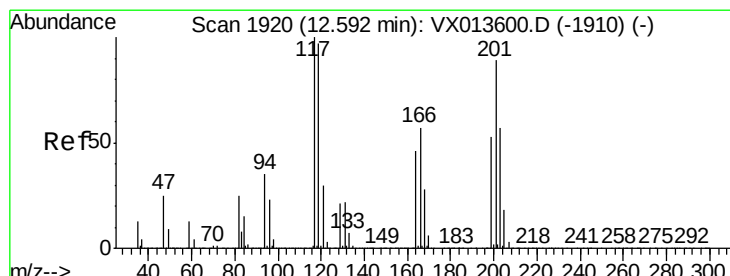
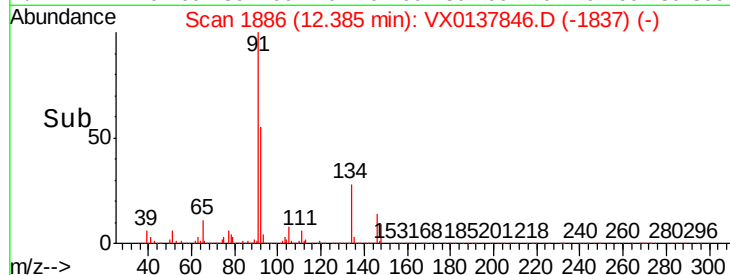
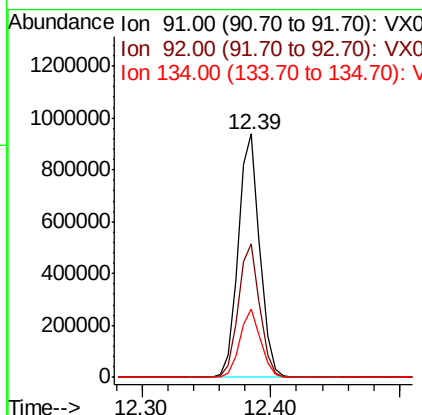
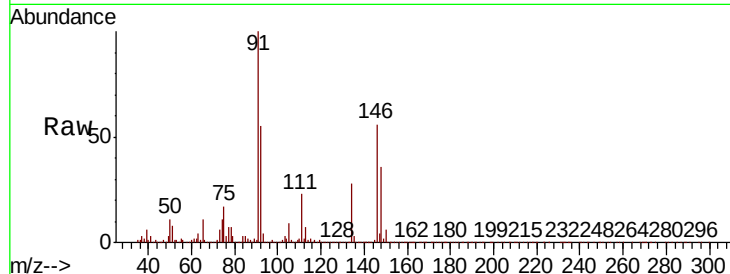




#89
n-Butylbenzene
Concen: 49.190 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

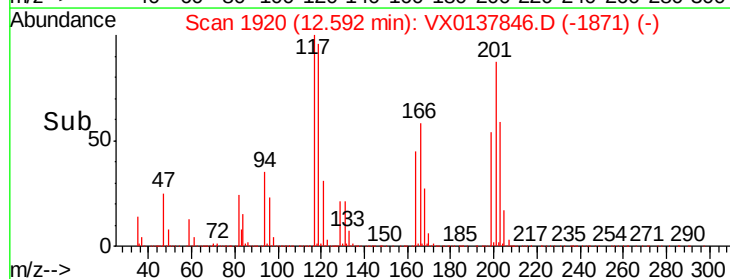
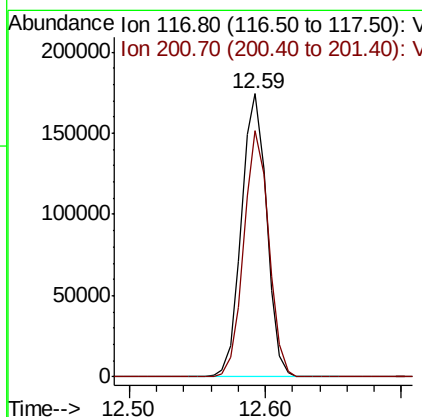
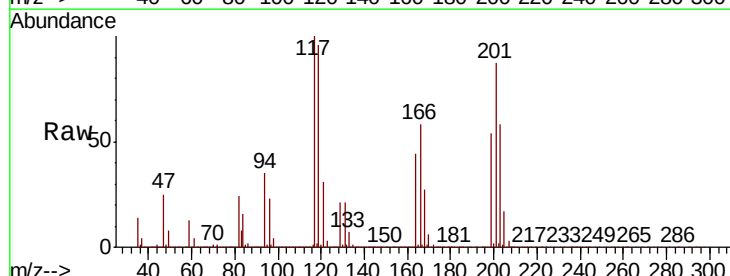
Instrument :
MSVOA_X
ClientSampleId :

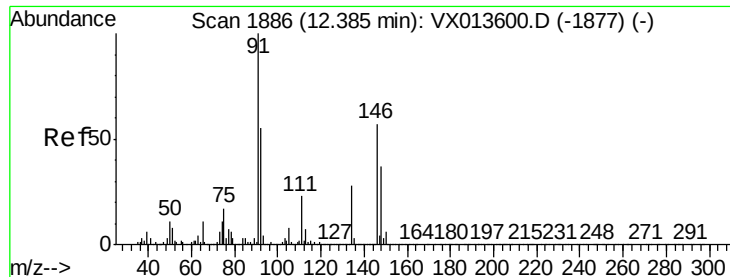
Tot Ion: 91 Resp: 1081100
Ion Ratio Lower Upper
91 100
92 54.8 27.4 82.2
134 27.0 13.5 40.4



#90
Hexachloroethane
Concen: 48.269 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion: 117 Resp: 224823
Ion Ratio Lower Upper
117 100
201 86.4 44.1 132.4

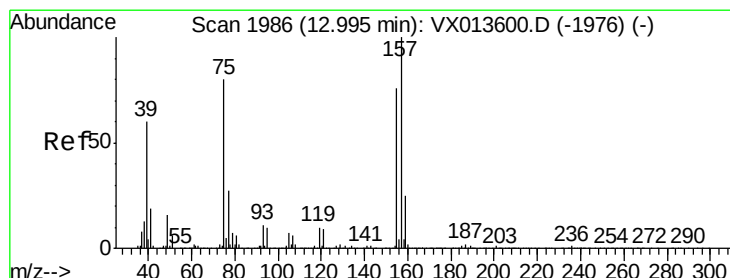
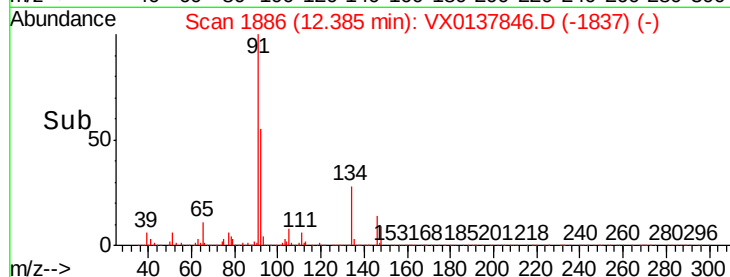
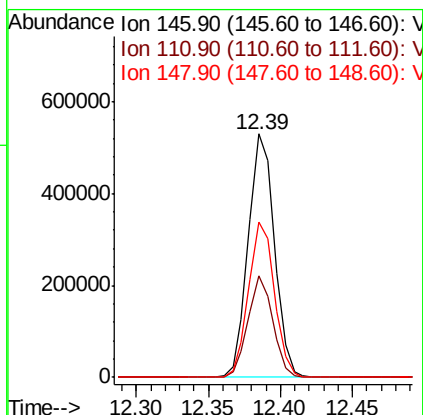
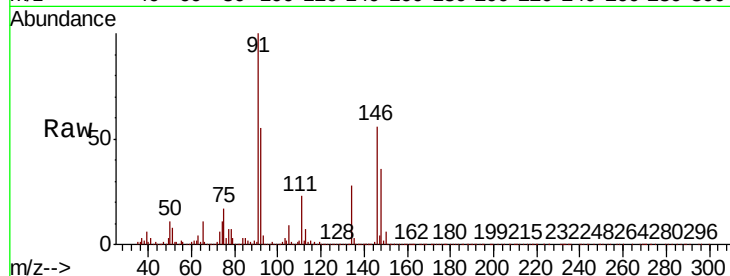




#91
 1,2-Dichlorobenzene
 Concen: 48.903 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

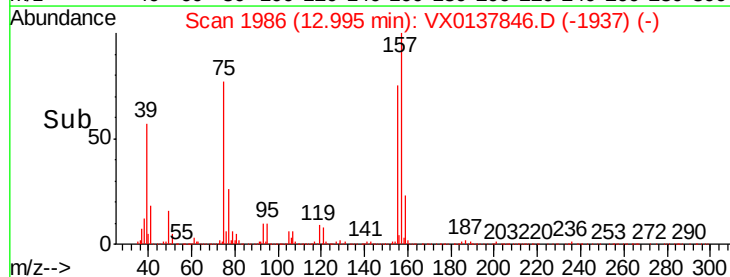
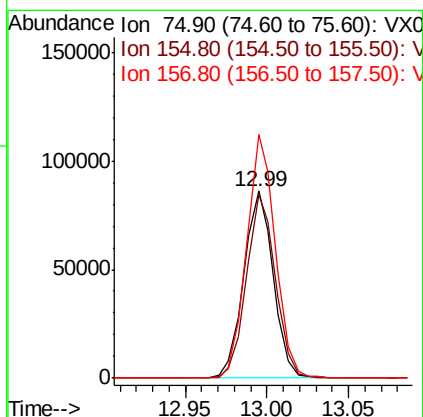
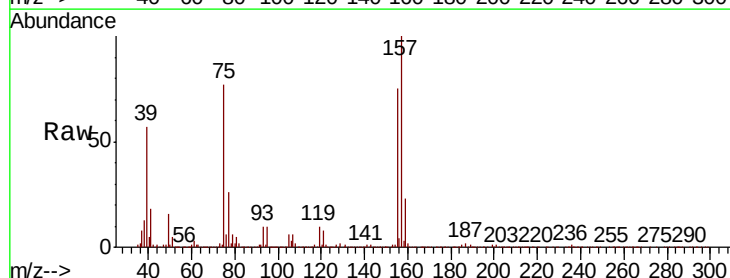
Instrument :
 MSVOA_X
 ClientSampleId :

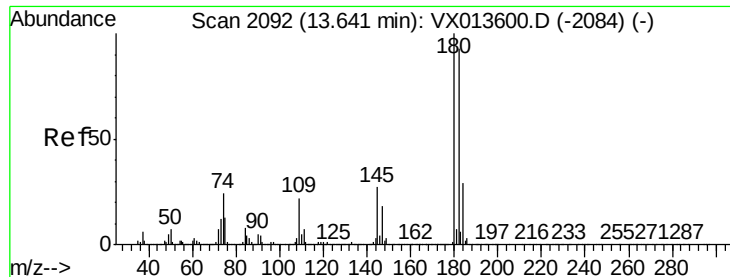
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	63.3	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.297 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX0137846.D
 Acq: 09 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	47.6	142.8
157	127.4	62.1	186.2





#93

1,2,4-Trichlorobenzene

Concen: 48.167 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

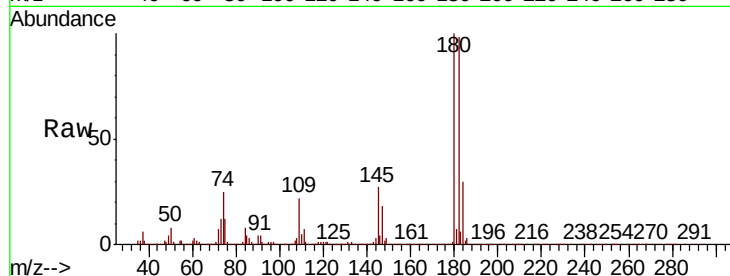
Tot Ion:180 Resp: 454736

Ion Ratio Lower Upper

180 100

182 97.0 47.2 141.6

145 28.1 13.8 41.4

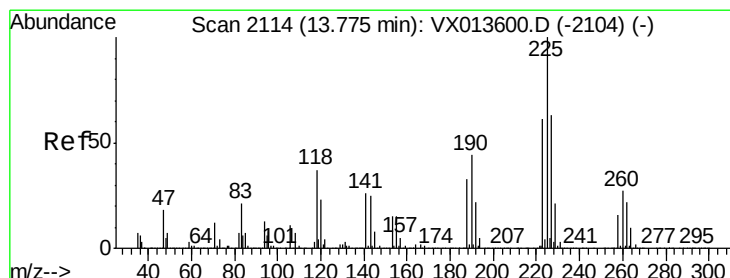
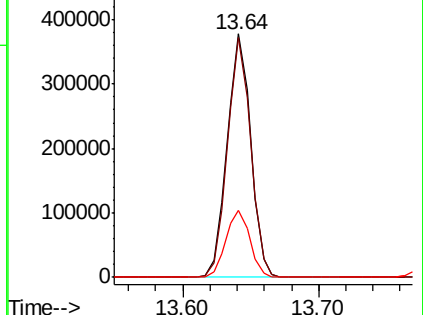
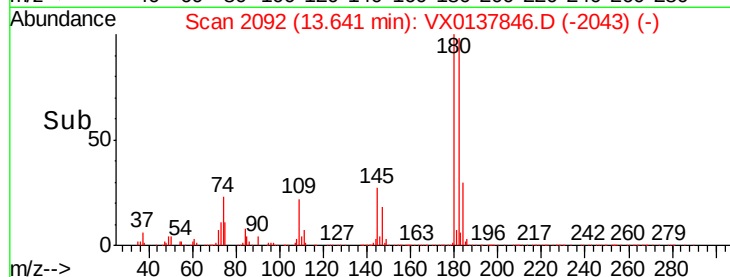


Abundance

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: 45.038 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX0137846.D

Acq: 09 Dec 2019 11:01

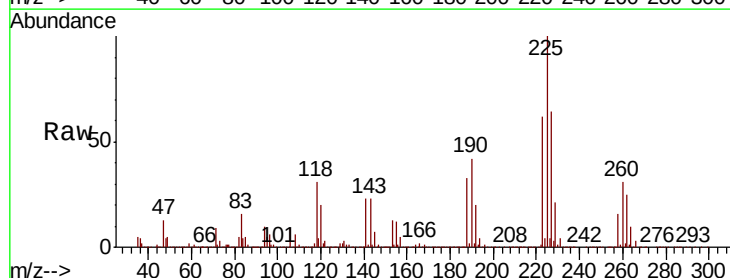
Tgt Ion:225 Resp: 204256

Ion Ratio Lower Upper

225 100

223 62.8 31.9 95.5

227 64.6 32.1 96.3

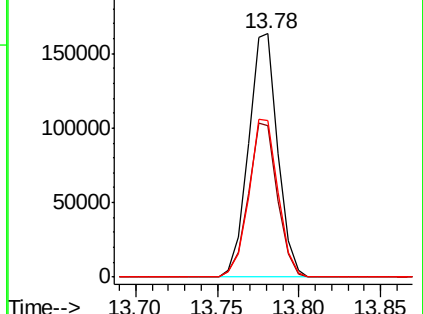
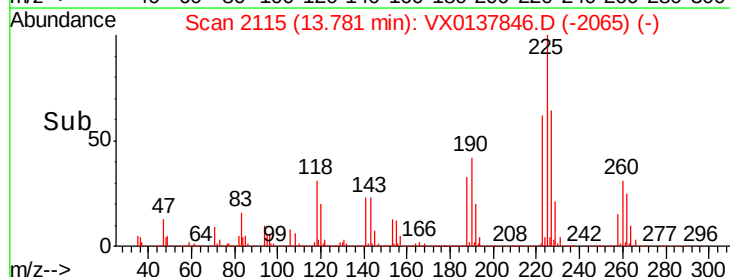


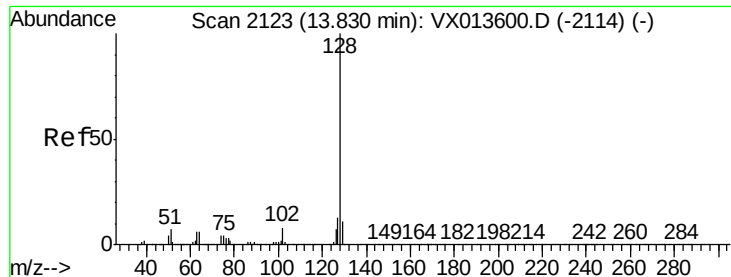
Abundance

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

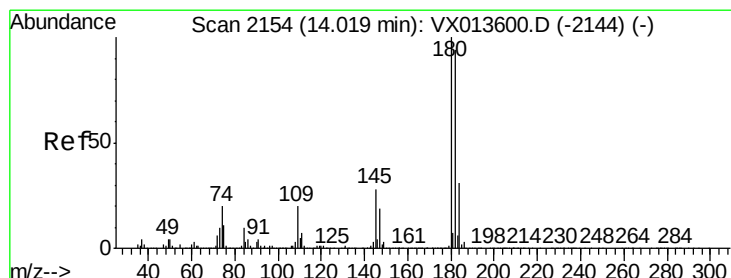
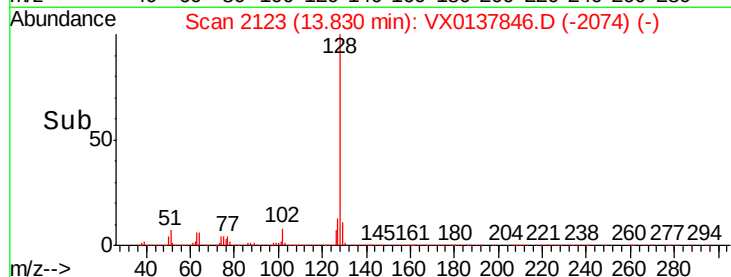
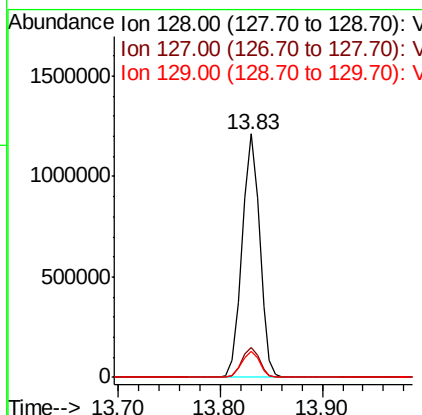
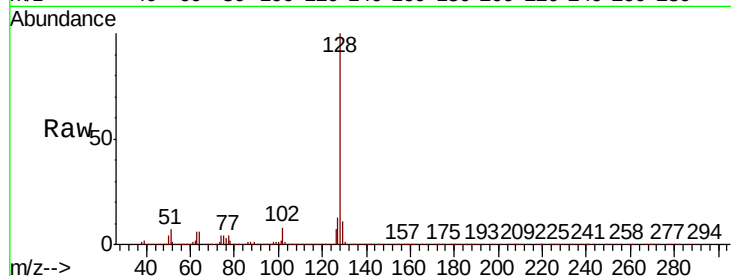




#95
Naphthalene
Concen: 51.169 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1438622
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.410 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX0137846.D
Acq: 09 Dec 2019 11:01

Tgt Ion:180 Resp: 452519
Ion Ratio Lower Upper
180 100
182 97.8 47.6 142.8
145 29.9 15.0 45.0

