

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX0137840.D
 Acq On : 07 Dec 2019 02:56 pm
 Operator : JC/SP
 Sample : VX1207WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 09 02:12:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	100745	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	556230	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	497615	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	214243	28.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	11.13	95	239613	29.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.87%
63) Toluene-d8	8.71	98	668196	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	148895	19.725	ug/l 97
3) Chloromethane	1.32	50	160432	19.501	ug/l 98
4) Vinyl Chloride	1.40	62	182217	19.493	ug/l 99
5) Bromomethane	1.63	94	101407	18.045	ug/l 99
6) Chloroethane	1.72	64	105482	20.528	ug/l 99
7) Trichlorofluoromethane	1.92	101	194945	19.372	ug/l 97
8) Diethyl Ether	2.18	74	95006	20.676	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	122717	20.268	ug/l 99
10) 1,1-Dichloroethene	2.36	96	119733	19.244	ug/l 97
11) Methyl Iodide	2.50	142	139966	18.218	ug/l 100
12) Methyl Acetate	2.76	43	217029	19.906	ug/l 99
13) Acrolein	2.28	56	103783	89.614	ug/l 98
14) Acrylonitrile	3.13	53	380114	94.810	ug/l 98
15) Acetone	2.43	58	116030	95.556	ug/l 100
16) Carbon Disulfide	2.56	76	317622	18.302	ug/l 100
17) Allyl chloride	2.72	41	218636	19.081	ug/l 95
18) Methylene Chloride	2.84	84	146101	20.696	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	131385	19.758	ug/l 99
20) Diisopropyl ether	3.84	45	452948	20.547	ug/l 94
21) 1,1-Dichloroethane	3.68	63	240425	20.024	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	154902	20.432	ug/l 97
23) tert-Butyl Alcohol	3.02	59	172536	89.424	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	425613	20.668	ug/l 99
25) Chloroform	5.20	83	238086	20.258	ug/l 96
26) Cyclohexane	5.56	56	208701	19.141	ug/l # 5
29) 1,1-Dichloropropene	5.79	75	175260	20.629	ug/l 98
30) 2-Butanone	4.65	43	548894	97.882	ug/l # 98
31) 2,2-Dichloropropane	4.57	77	188602	20.498	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	193499	20.491	ug/l 99
33) Carbon Tetrachloride	5.77	117	166520	20.302	ug/l 99
34) Benzene	6.13	78	542497	21.052	ug/l 98
35) Methacrylonitrile	5.02	41	110521	19.736	ug/l 99
36) 1,2-Dichloroethane	6.18	62	195697	21.696	ug/l 99
37) Trichloroethene	7.20	130	145978	21.145	ug/l 98
38) Methylcyclohexane	7.45	83	215480	20.685	ug/l 98
39) 1,2-Dichloropropane	7.50	63	141348	21.214	ug/l 95
40) Dibromomethane	7.65	93	93730	21.137	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	179806	20.772	ug/l	98
42) Vinyl Acetate	3.80	43	1859111	105.301	ug/l	99
43) Ethyl Acetate	4.81	43	195830	19.147	ug/l	95
44) Isopropyl Acetate	6.43	43	331698	20.176	ug/l	99
45) 1,4-Dioxane	7.73	88	66185	364.634	ug/l	97
46) Methyl methacrylate	7.76	41	165266	20.209	ug/l	100
47) n-amyl Acetate	10.89	43	283211	19.639	ug/l	97
48) t-1,3-Dichloropropene	9.03	75	198778	20.479	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	223558	21.019	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	140878	21.469	ug/l	97
51) Ethyl methacrylate	9.17	69	224250	20.757	ug/l	99
52) 1,3-Dichloropropane	9.36	76	243264	21.686	ug/l	99
53) Dibromochloromethane	9.57	129	145323	20.896	ug/l	98
54) 1,2-Dibromoethane	9.67	107	149087	21.248	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	404331	87.588	ug/l	100
56) Bromoform	10.85	173	110874	20.033	ug/l	97
58) 4-Methyl-2-Pentanone	8.63	43	1058627	101.837	ug/l	99
59) 2-Hexanone	9.48	43	812187	98.745	ug/l	100
61) Tetrachloroethene	9.33	164	134884	21.982	ug/l	97
62) Toluene	8.78	91	581417	20.976	ug/l	99
64) Chlorobenzene	10.13	112	368181	21.244	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	136892	21.101	ug/l	99
66) Ethyl Benzene	10.25	91	646027	21.215	ug/l	100
67) m/p-Xylenes	10.36	106	489505	41.673	ug/l	99
68) o-Xylene	10.70	106	241419	21.297	ug/l	98
69) Styrene	10.71	104	411288	21.247	ug/l	99
70) Isopropylbenzene	11.01	105	628714	21.048	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	219724	20.544	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	244378	27.060	ug/l	80
73) Bromobenzene	11.25	156	168118	21.342	ug/l	98
74) n-propylbenzene	11.35	91	721553	21.256	ug/l	100
75) 2-Chlorotoluene	11.42	91	430920	21.347	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	529930	21.106	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	68467	18.750	ug/l	96
78) 4-Chlorotoluene	11.51	91	489972	21.185	ug/l	100
79) tert-butylbenzene	11.76	119	518870	20.482	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	528426	21.120	ug/l	99
81) sec-Butylbenzene	11.94	105	616244	21.321	ug/l	100
82) p-Isopropyltoluene	12.06	119	554935	20.839	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	289132	20.877	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	292111	21.249	ug/l	99
85) n-Butylbenzene	12.39	91	474543	20.647	ug/l	99
86) Hexachloroethane	12.59	117	98529	20.163	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	290426	20.971	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	45795	19.146	ug/l	96
89) 1,2,4-Trichlorobenzene	13.64	180	197765	20.711	ug/l	99
90) Hexachlorobutadiene	13.78	225	94498	20.652	ug/l	96
91) Naphthalene	13.83	128	595050	19.682	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	198835	20.605	ug/l	100

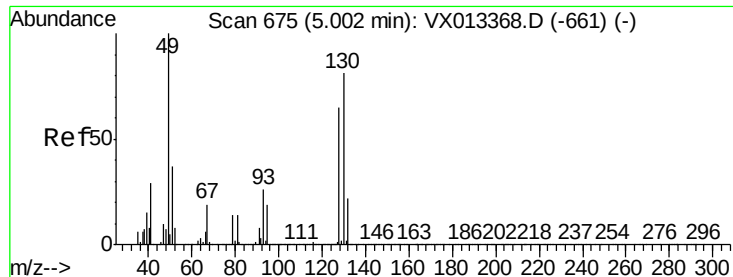
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

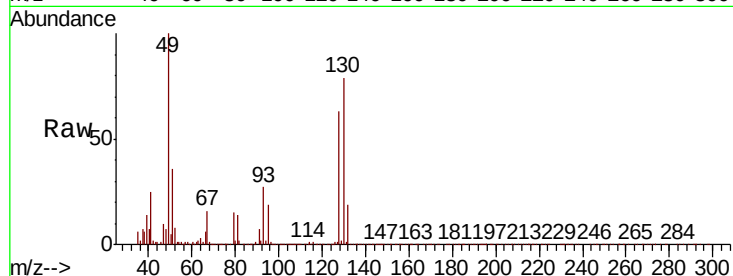
Tot Ion:128 Resp: 100745

Ion Ratio Lower Upper

128 100

49 158.4 0.0 388.3

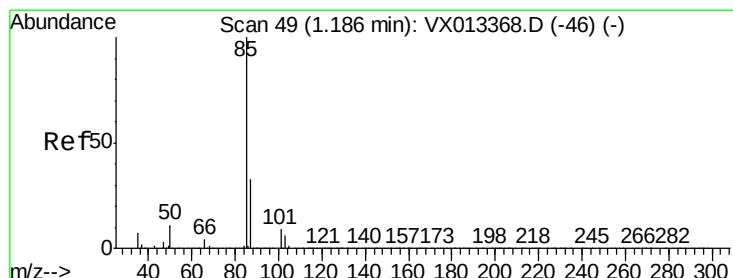
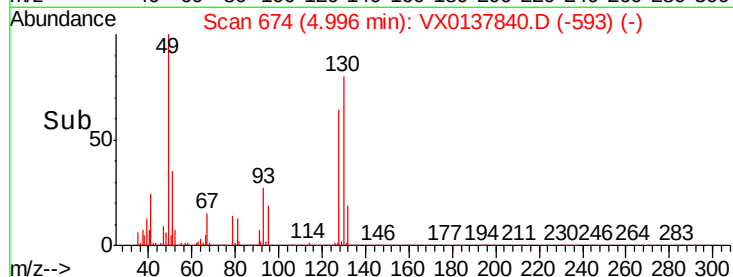
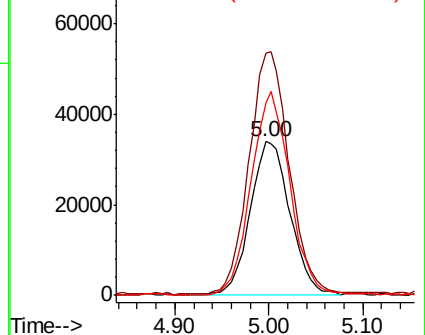
130 129.0 0.0 318.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.725 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX0137840.D

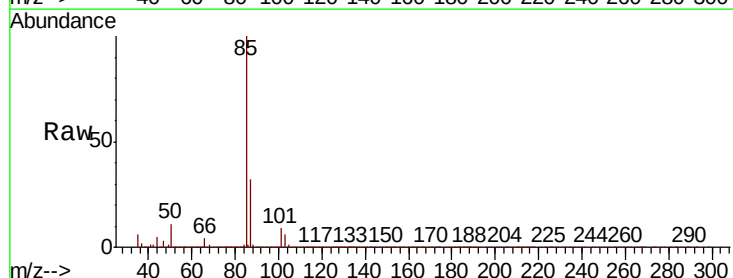
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 85 Resp: 148895

Ion Ratio Lower Upper

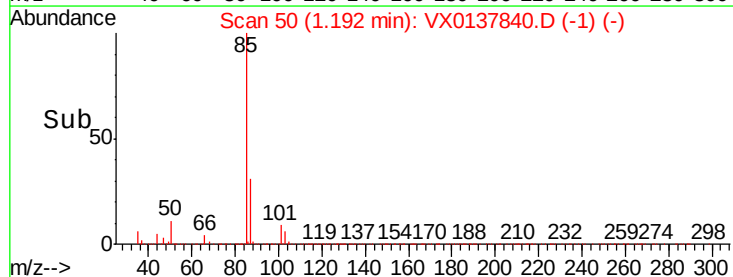
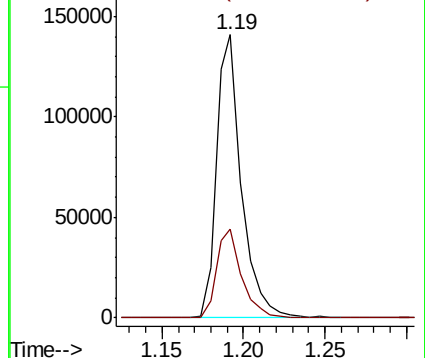
85 100

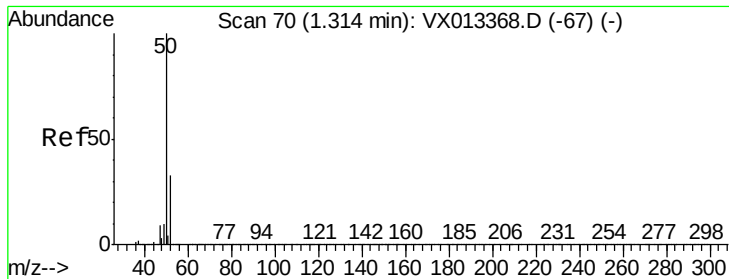
87 31.5 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.501 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

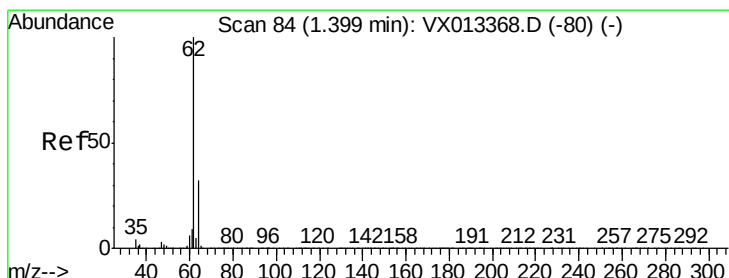
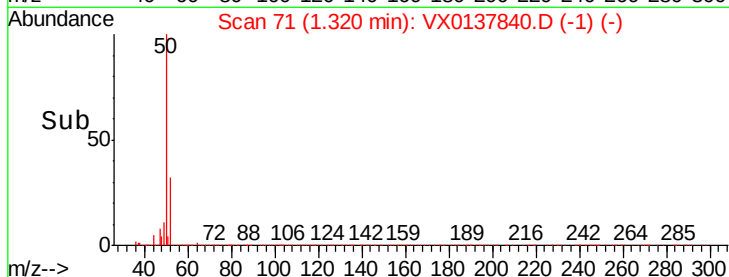
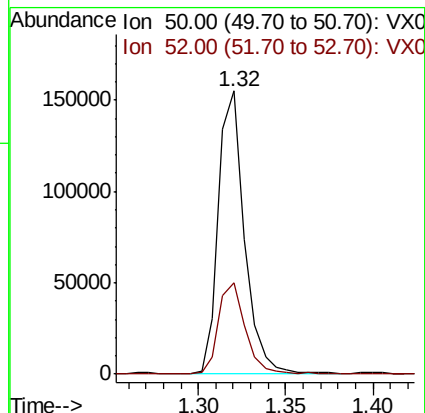
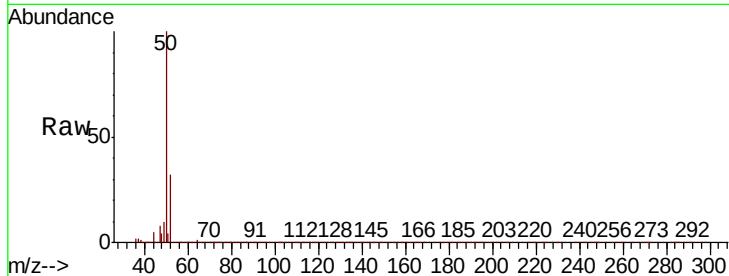
ClientSampleId :

Tot Ion: 50 Resp: 160432

Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



#4

Vinyl Chloride

Concen: 19.493 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX0137840.D

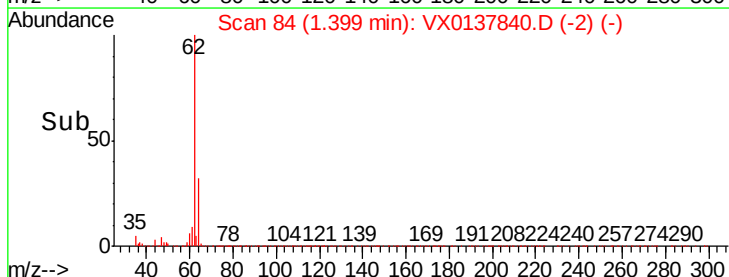
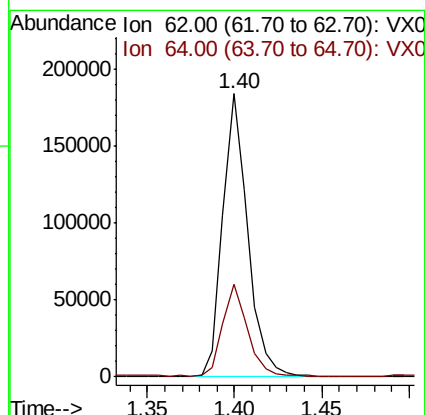
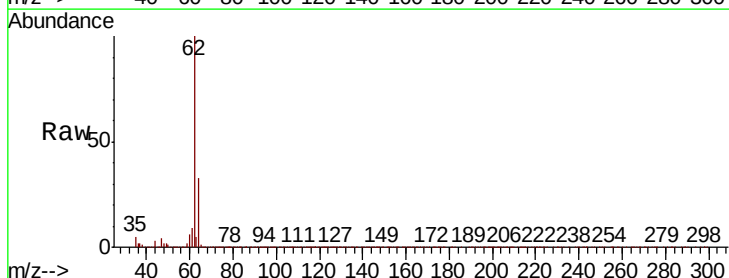
Acq: 07 Dec 2019 02:56 pm

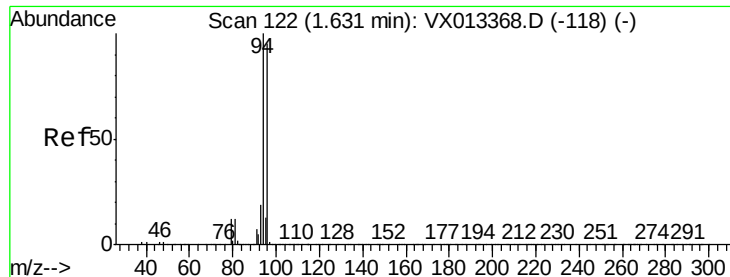
Tgt Ion: 62 Resp: 182217

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 18.045 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

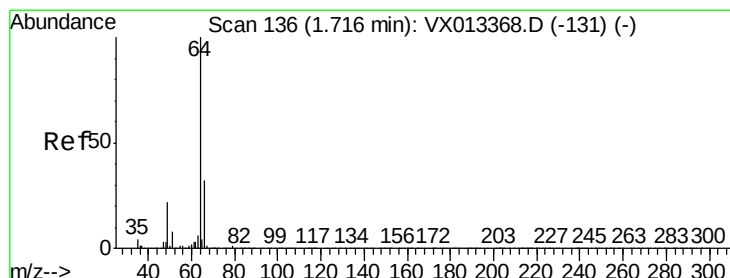
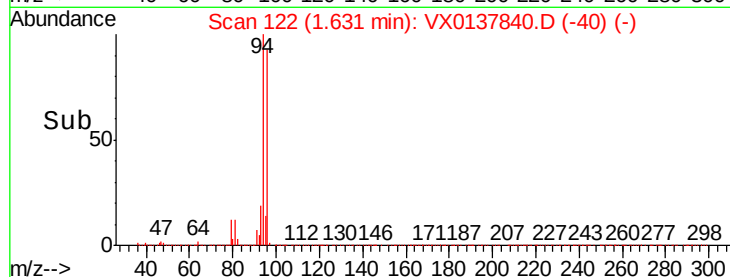
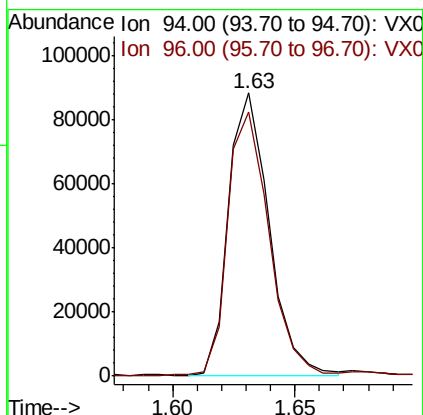
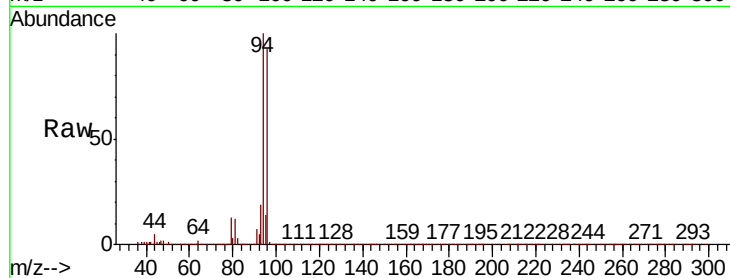
ClientSampleId :

Tot Ion: 94 Resp: 101407

Ion Ratio Lower Upper

94 100

96 93.3 75.7 113.5



#6

Chloroethane

Concen: 20.528 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX0137840.D

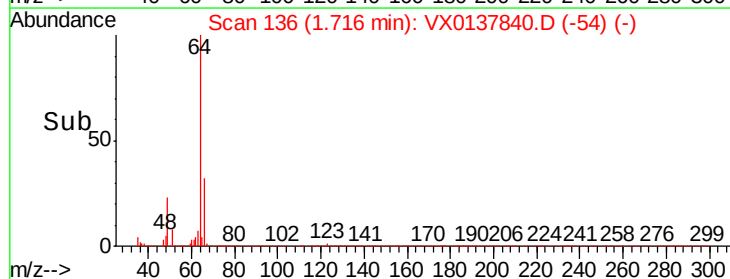
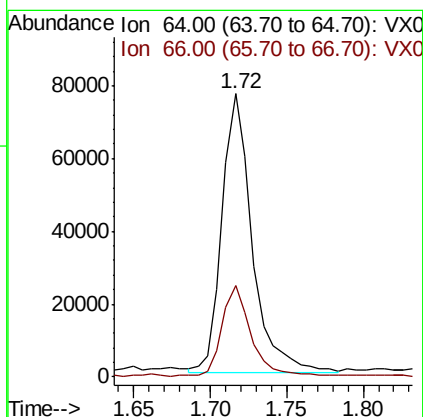
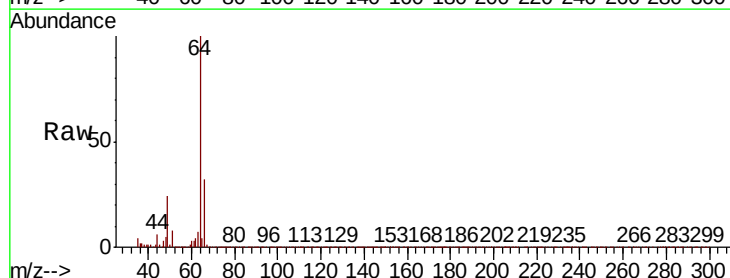
Acq: 07 Dec 2019 02:56 pm

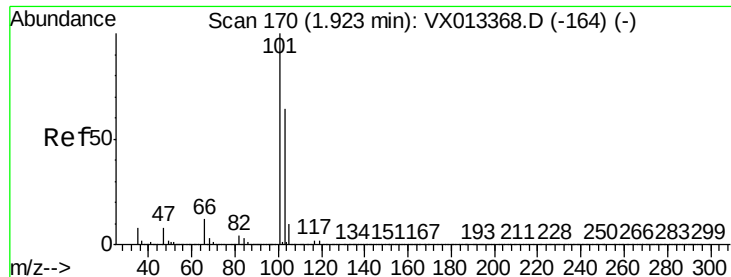
Tgt Ion: 64 Resp: 105482

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

Trichlorofluoromethane

Concen: 19.372 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

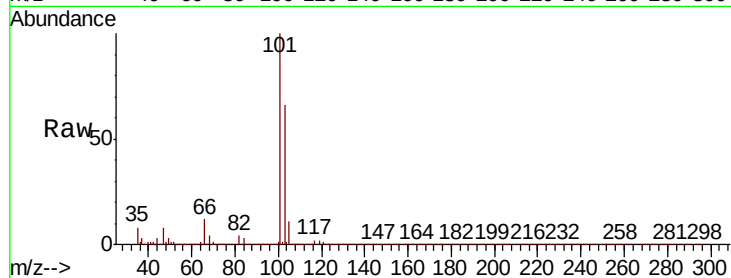
ClientSampleId :

Tot Ion:101 Resp: 194945

Ion Ratio Lower Upper

101 100

103 66.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

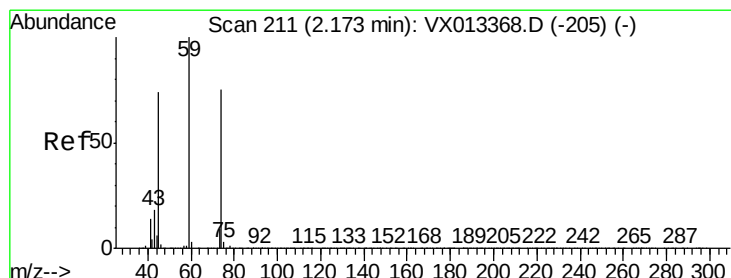
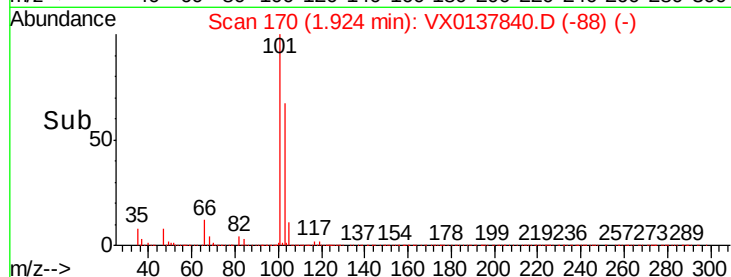
100000

50000

0

1.85 1.90 1.95 2.00

Time-->



#8

Diethyl Ether

Concen: 20.676 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX0137840.D

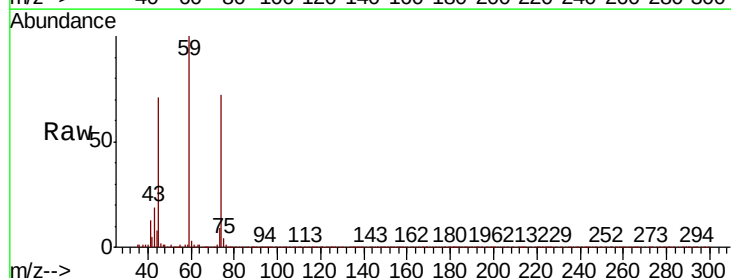
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 74 Resp: 95006

Ion Ratio Lower Upper

74 100

45 98.4 19.5 175.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

60000

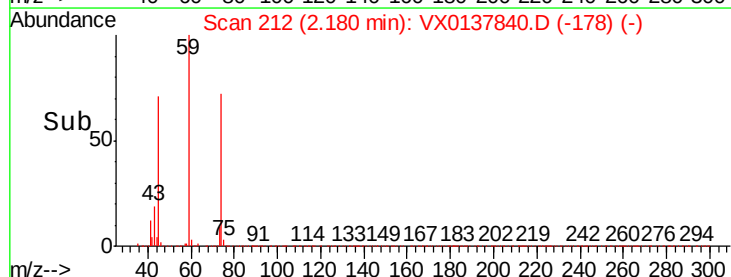
40000

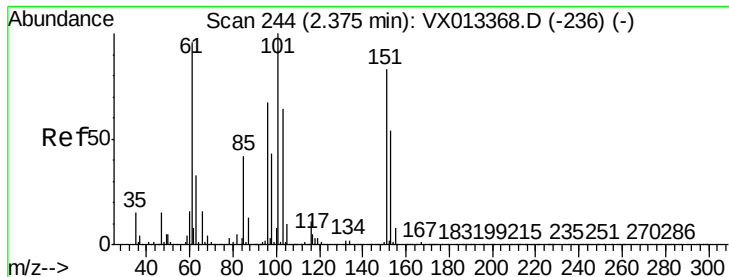
20000

0

2.15 2.20 2.25

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.268 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX0137840.D

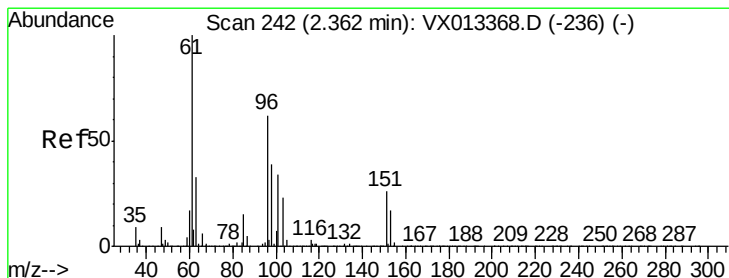
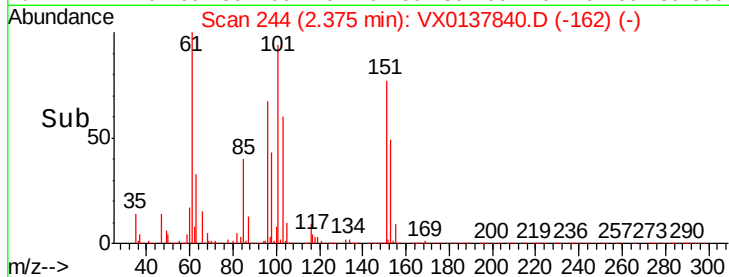
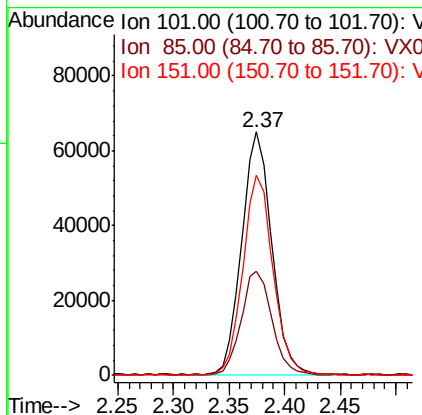
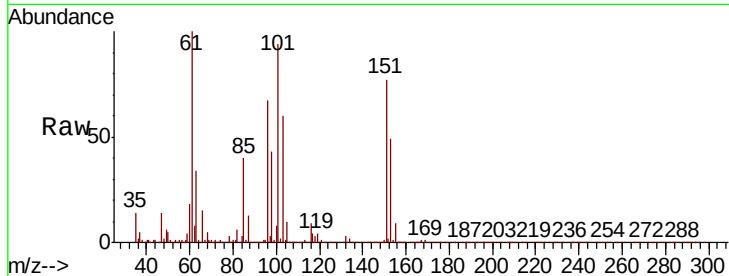
Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	122717
Ion	Ratio	Lower	Upper
101	100		
85	43.4	0.0	83.2
151	82.2	0.0	163.8



#10

1,1-Dichloroethene

Concen: 19.244 ug/l

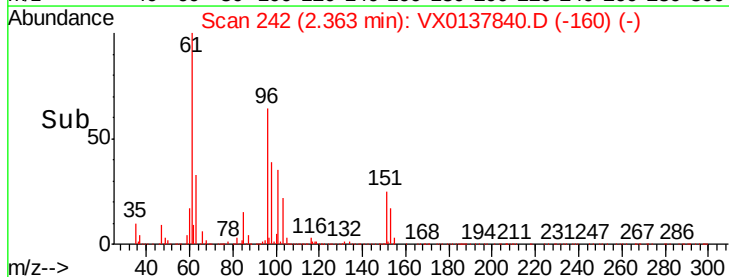
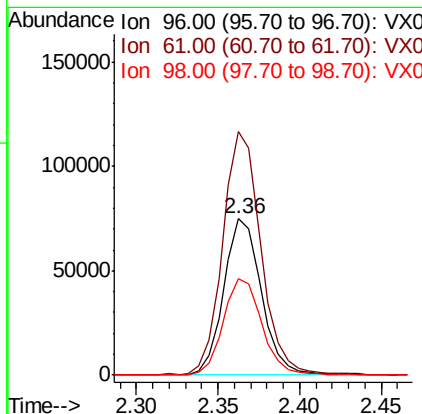
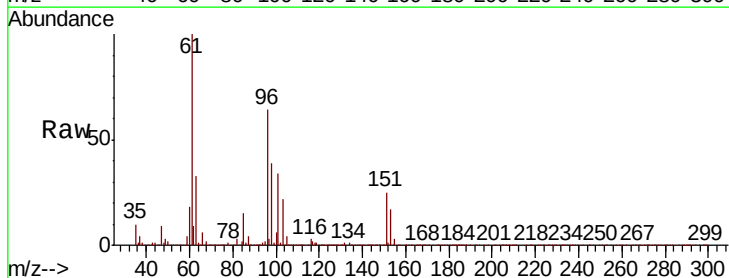
RT: 2.36 min Scan# 242

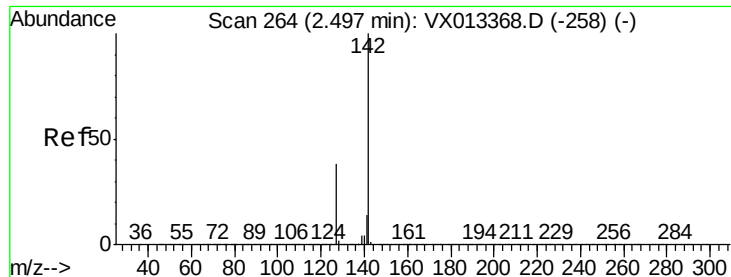
Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Tgt Ion:	96	Resp:	119733
Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.9	193.3
98	61.5	49.7	74.5

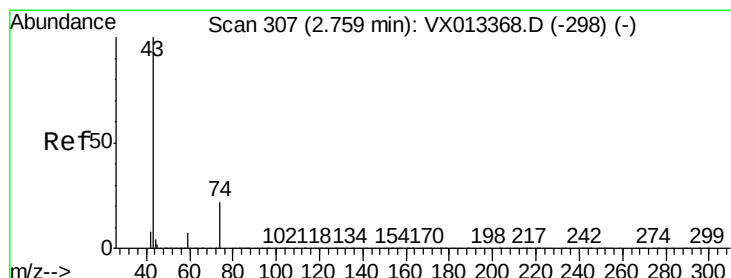
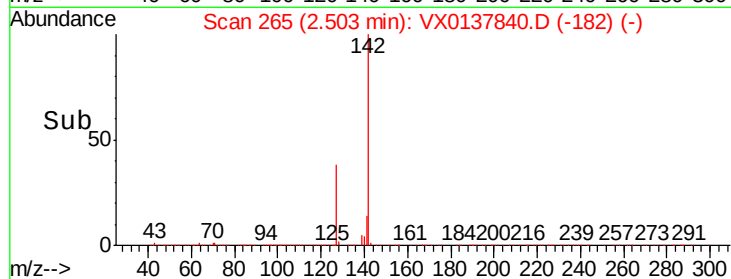
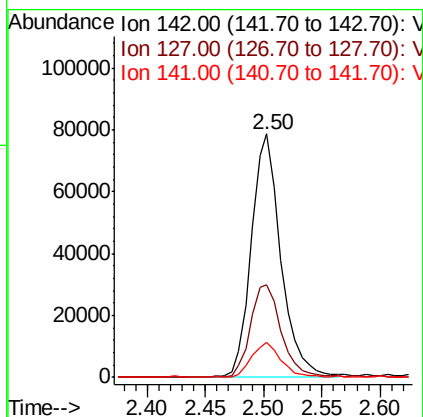
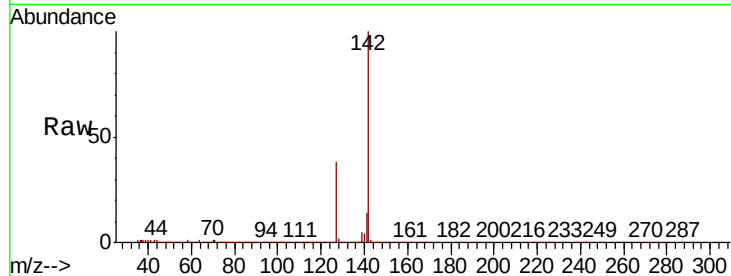




#11
Methyl Iodide
Concen: 18.218 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

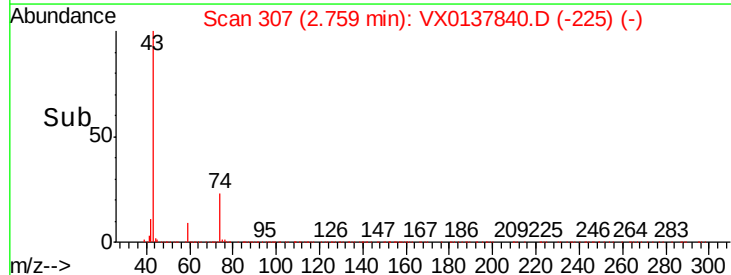
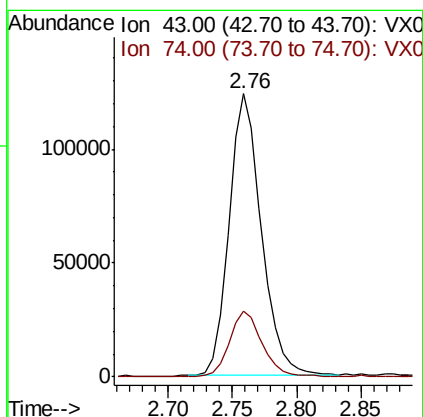
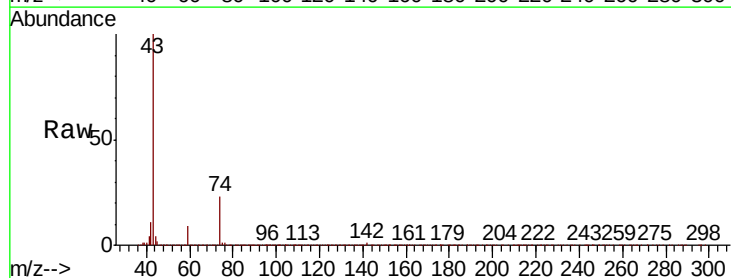
Instrument :
MSVOA_X
ClientSampleId :

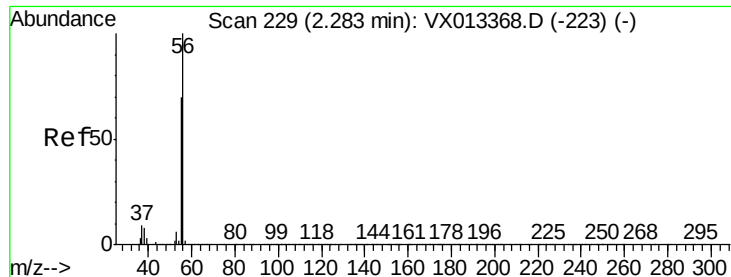
Tot Ion:142 Resp: 139966
Ion Ratio Lower Upper
142 100
127 38.2 19.1 57.5
141 13.9 7.0 21.0



#12
Methyl Acetate
Concen: 19.906 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 43 Resp: 217029
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0





#13

Acrolein

Concen: 89.614 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

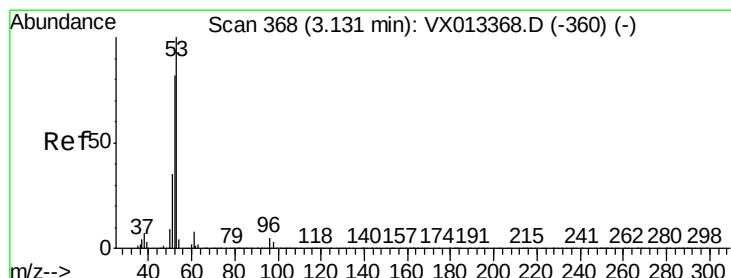
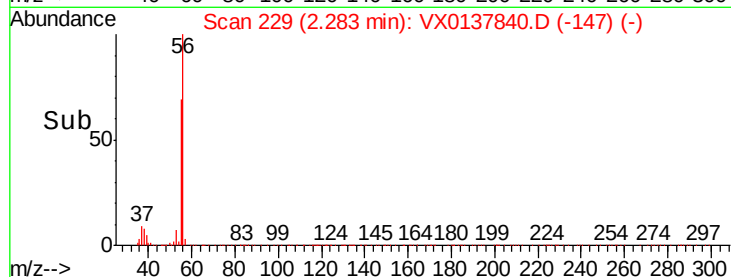
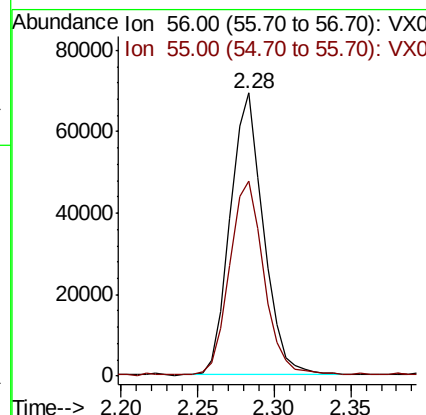
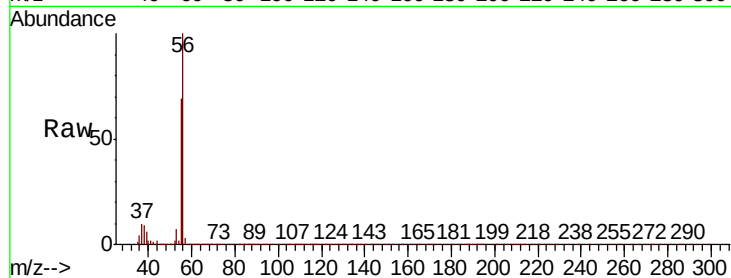
ClientSampleId :

Tot Ion: 56 Resp: 103783

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Acrylonitrile

Concen: 94.810 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

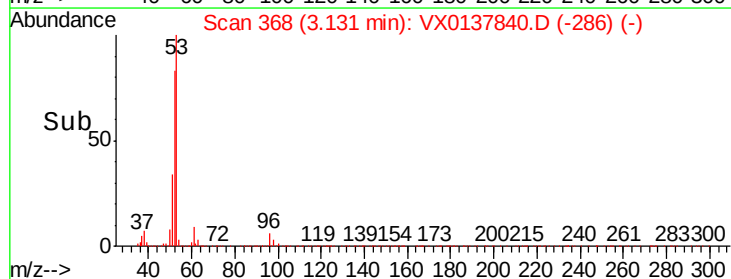
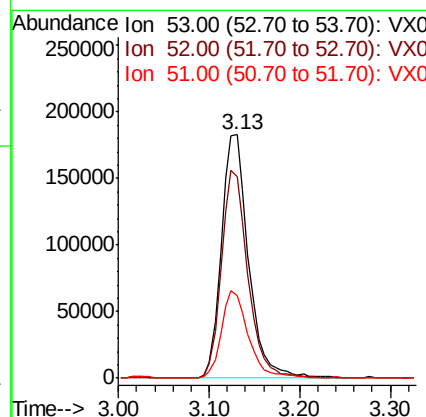
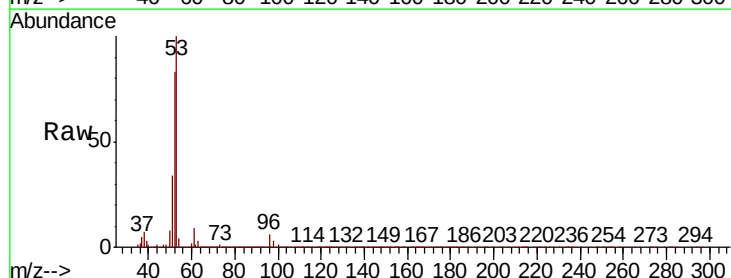
Tgt Ion: 53 Resp: 380114

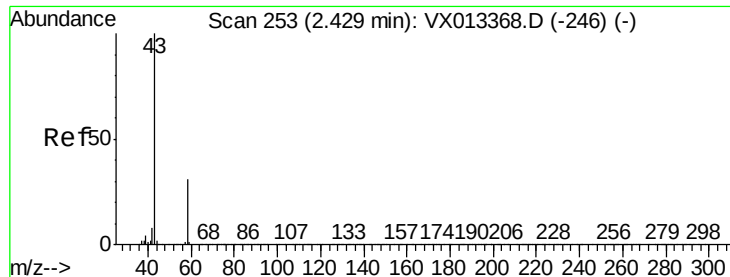
Ion Ratio Lower Upper

53 100

52 83.4 41.0 123.0

51 35.7 17.3 51.9

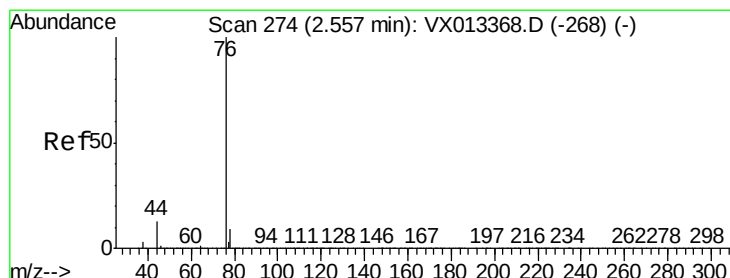
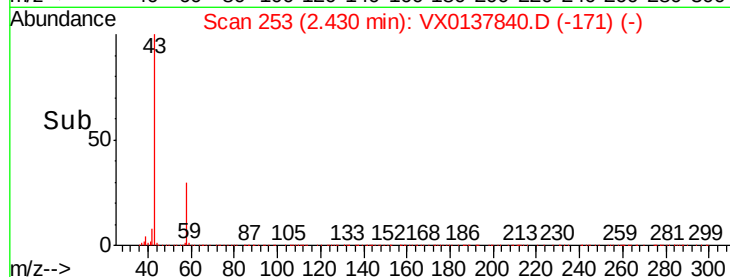
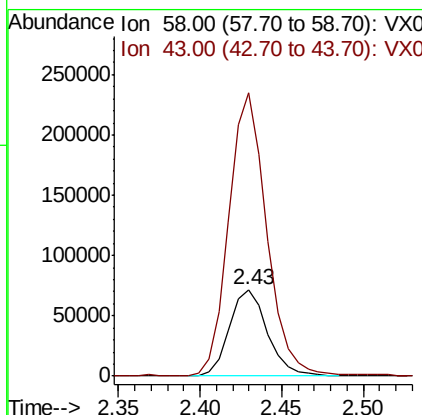
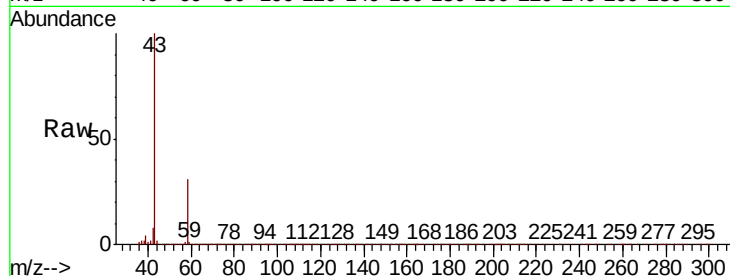




#15
Acetone
Concen: 95.556 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

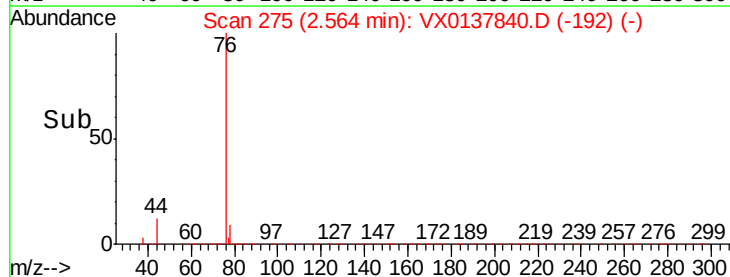
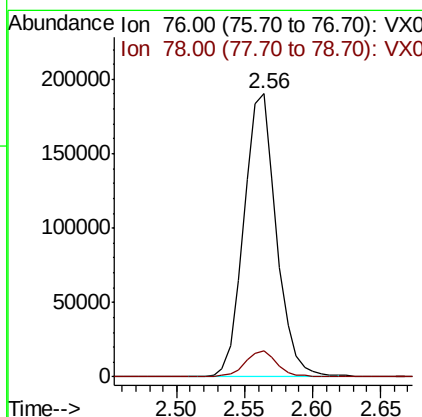
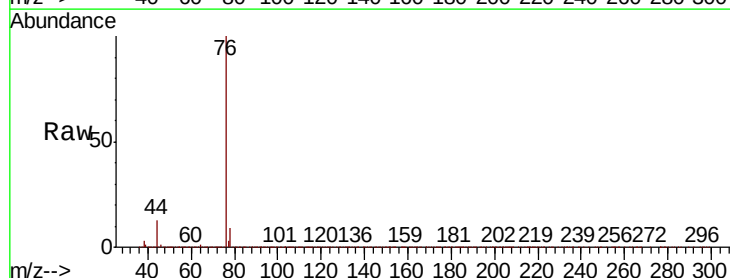
Instrument :
MSVOA_X
ClientSampleId :

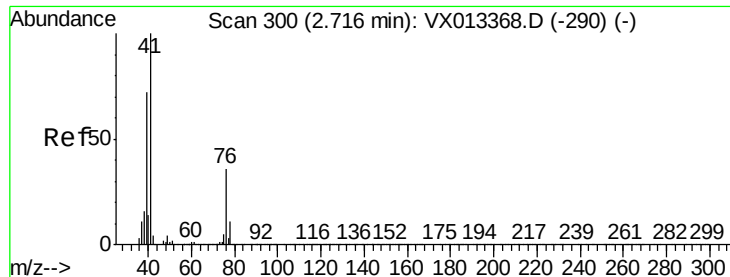
Tot Ion: 58 Resp: 116030
Ion Ratio Lower Upper
58 100
43 326.9 261.4 392.2



#16
Carbon Disulfide
Concen: 18.302 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 76 Resp: 317622
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

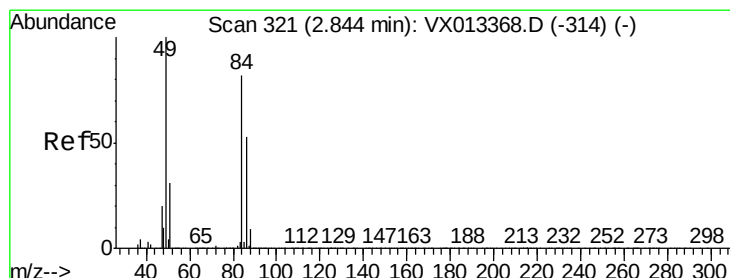
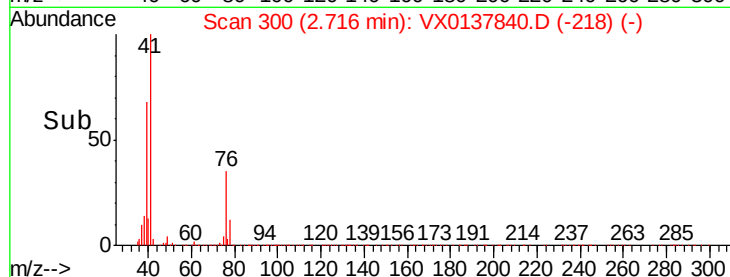
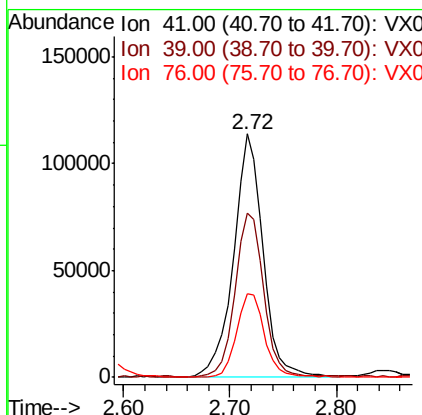
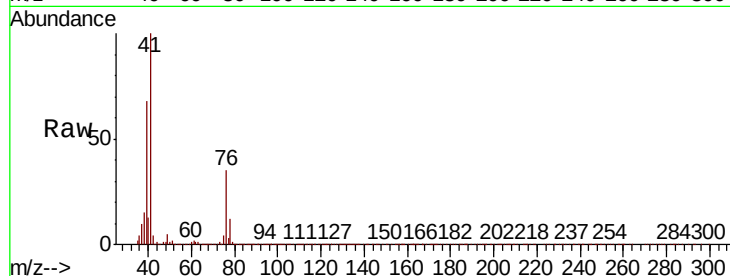




#17
Allvl chloride
Concen: 19.081 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

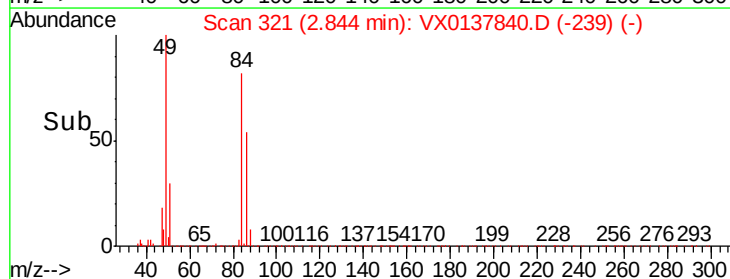
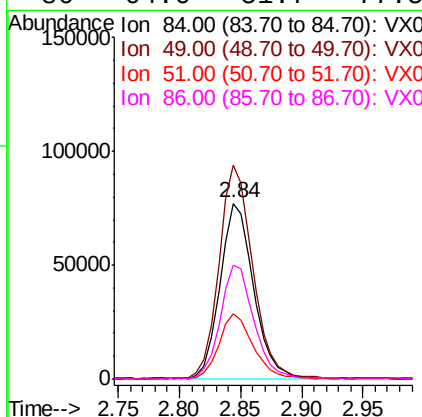
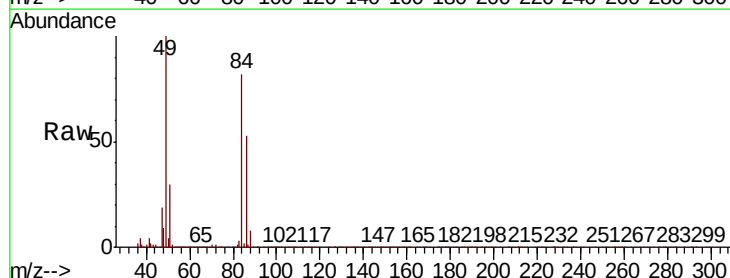
Instrument :
MSVOA_X
ClientSampleId :

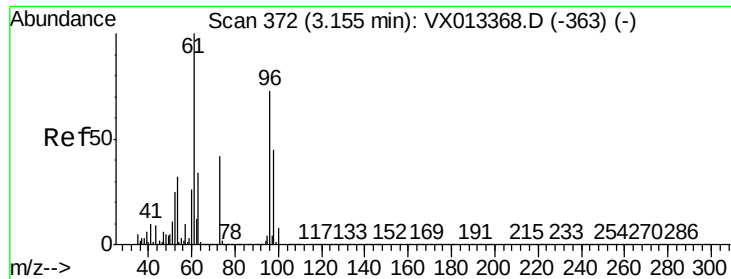
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.6	36.1	108.3
76	34.4	18.1	54.4



#18
Methylene Chloride
Concen: 20.696 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	96.8	145.2
51	36.7	30.0	45.0
86	64.6	51.7	77.5





#19

trans-1,2-Dichloroethene

Concen: 19.758 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

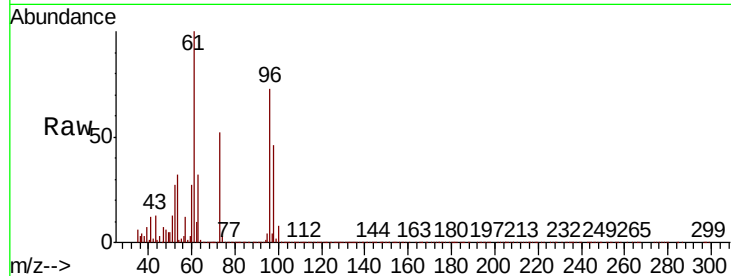
Tot Ion: 96 Resp: 131385

Ion Ratio Lower Upper

96 100

61 135.7 109.9 164.9

98 63.0 49.7 74.5

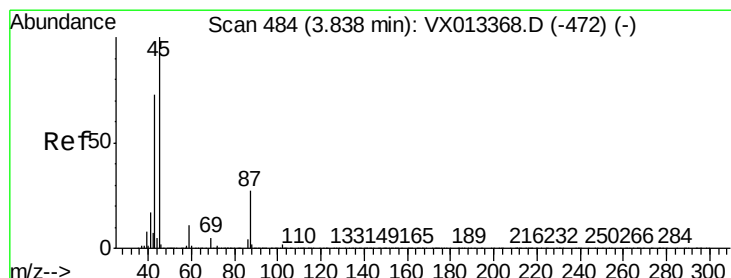
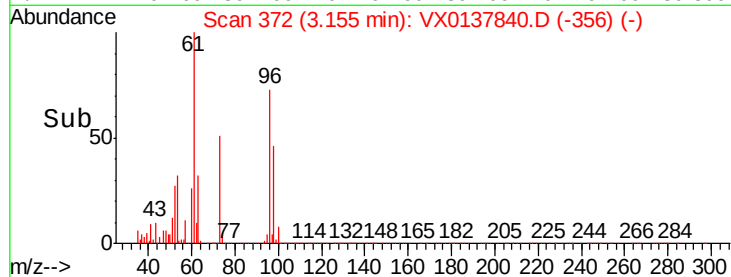
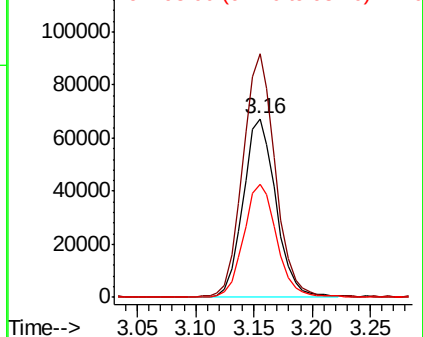


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.547 ug/l

RT: 3.84 min Scan# 484

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 45 Resp: 452948

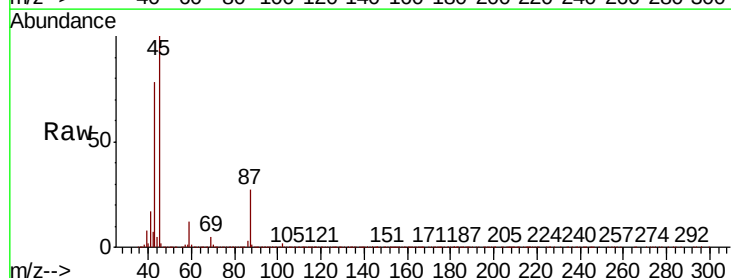
Ion Ratio Lower Upper

45 100

43 77.2 67.7 101.5

87 27.0 21.5 32.3

59 12.2 8.5 12.7



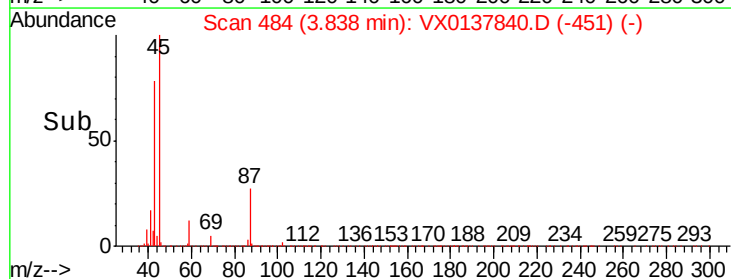
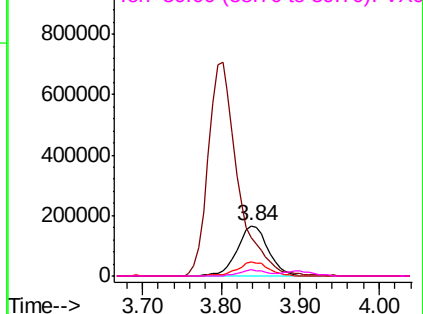
Abundance

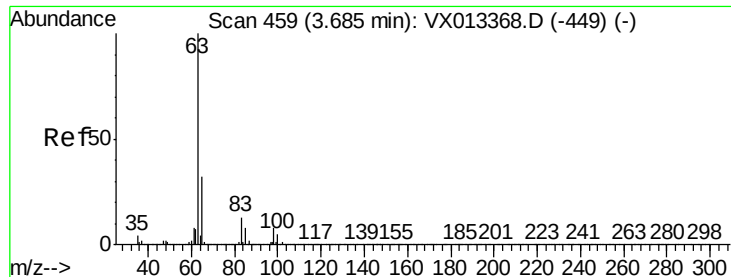
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.024 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

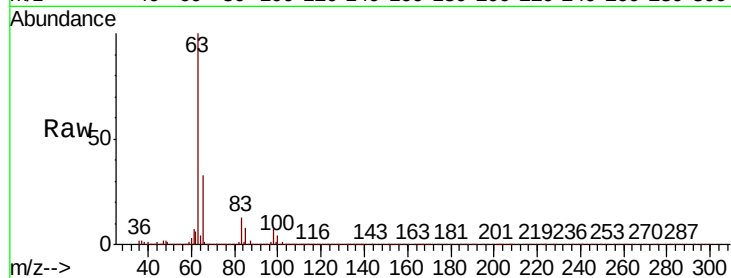
Tot Ion: 63 Resp: 240425

Ion Ratio Lower Upper

63 100

98 7.0 4.0 11.9

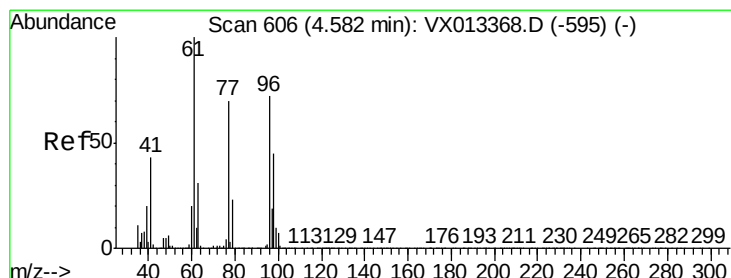
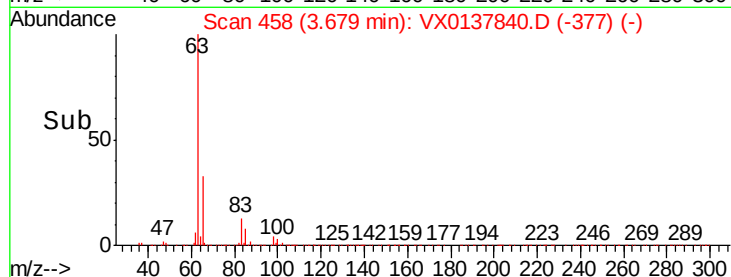
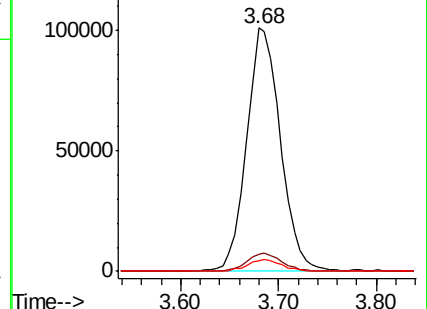
100 4.0 2.5 7.5



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.432 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

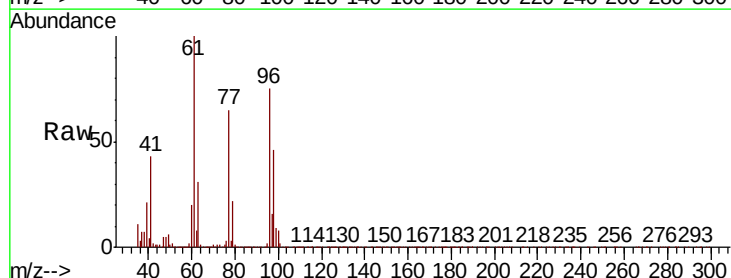
Tgt Ion: 96 Resp: 154902

Ion Ratio Lower Upper

96 100

61 141.7 117.0 175.6

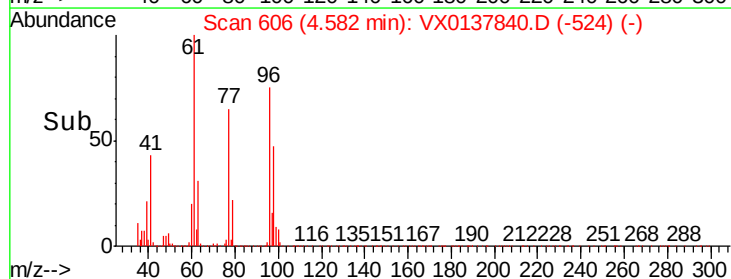
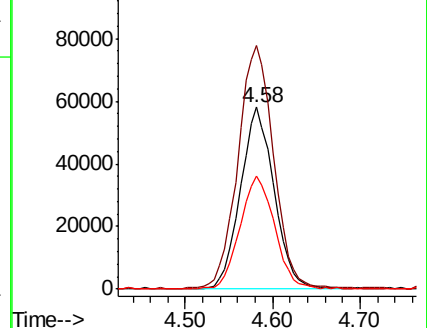
98 63.3 51.1 76.7

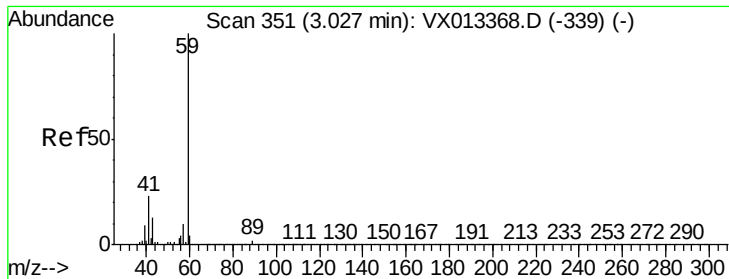


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

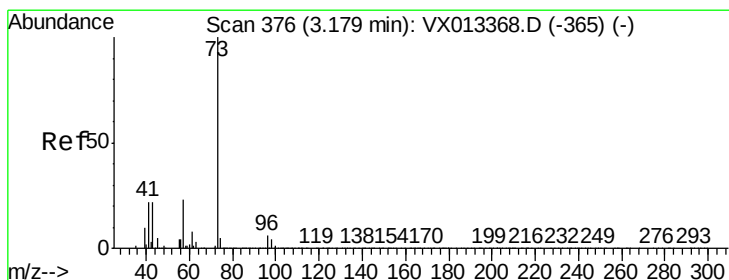
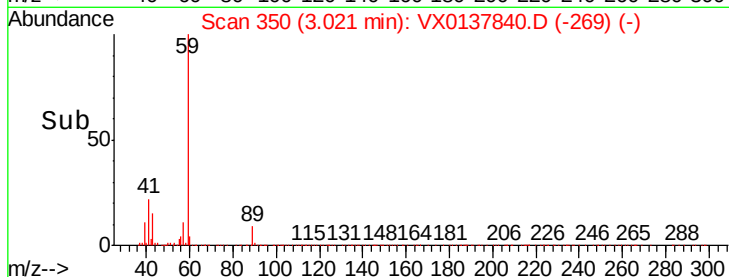
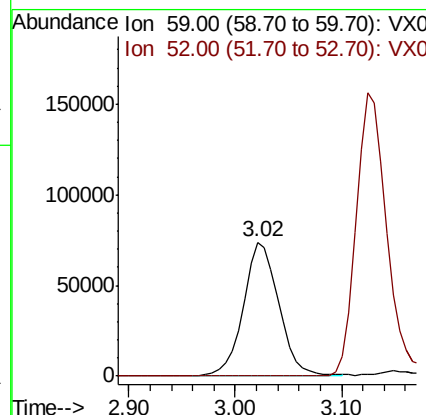
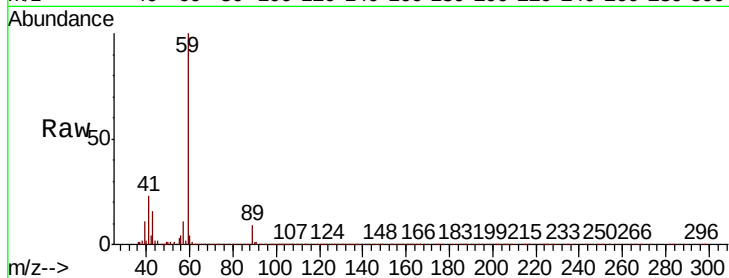




#23
 tert-Butyl Alcohol
 Concen: 89.424 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

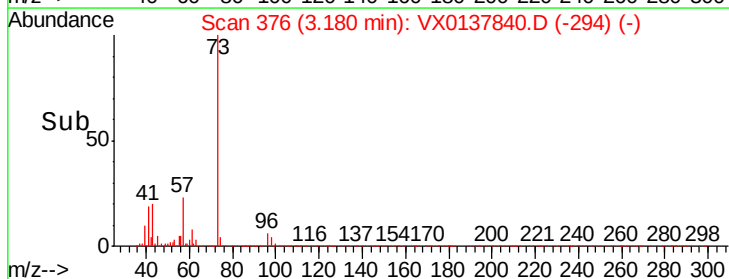
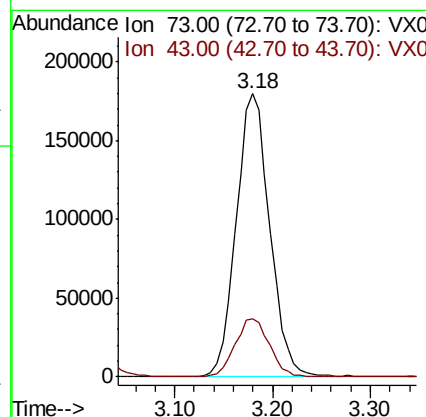
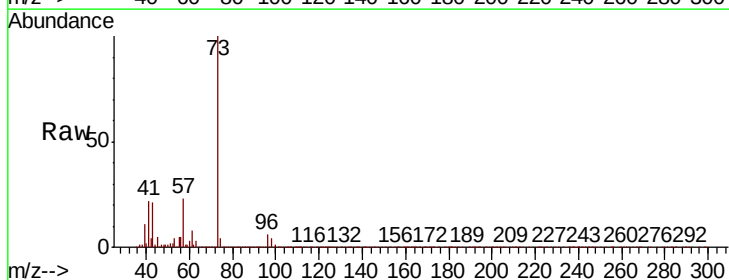
Instrument :
 MSVOA_X
 ClientSampleId :

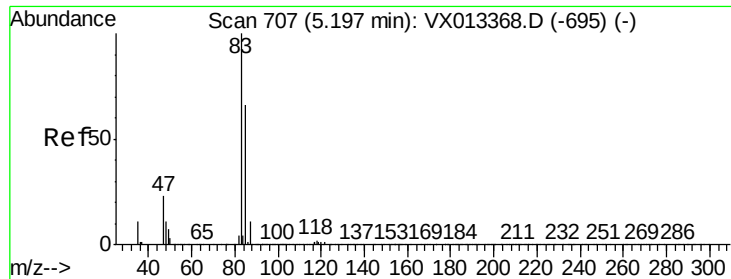
Tot Ion: 59 Resp: 172536
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.668 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 73 Resp: 425613
 Ion Ratio Lower Upper
 73 100
 43 20.7 17.0 25.6

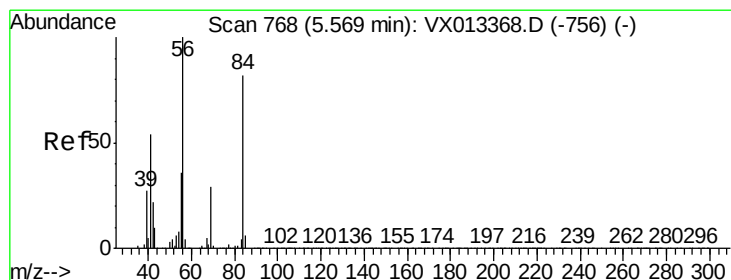
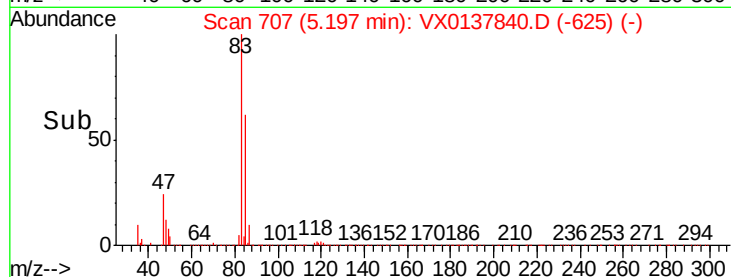
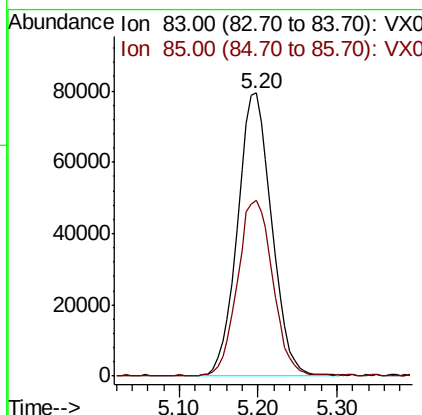
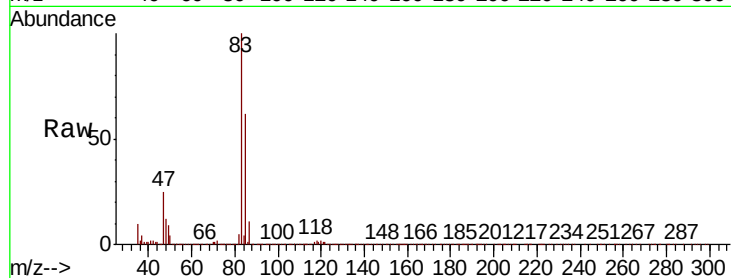




#25
Chloroform
Concen: 20.258 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

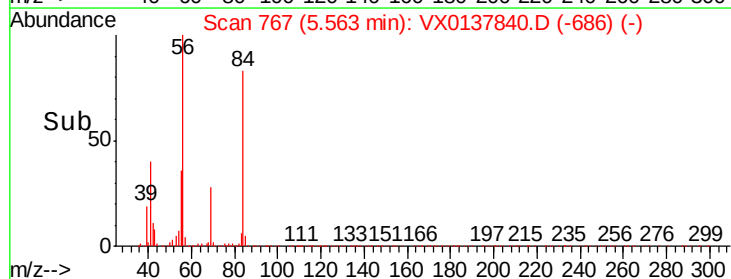
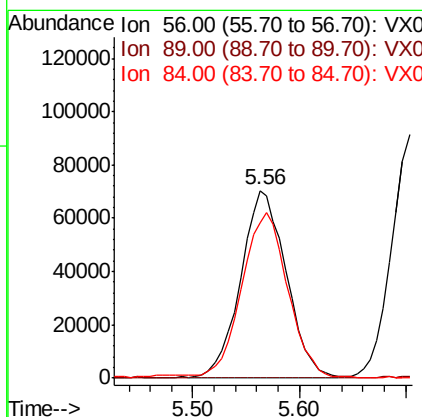
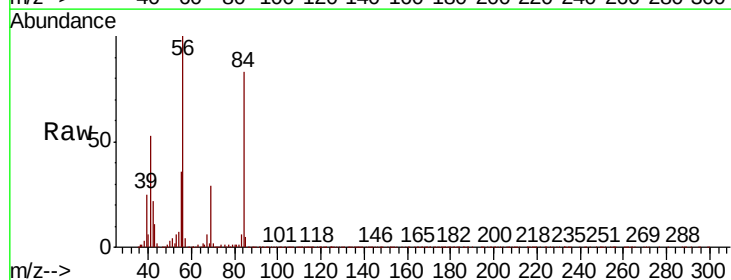
Instrument :
MSVOA_X
ClientSampleId :

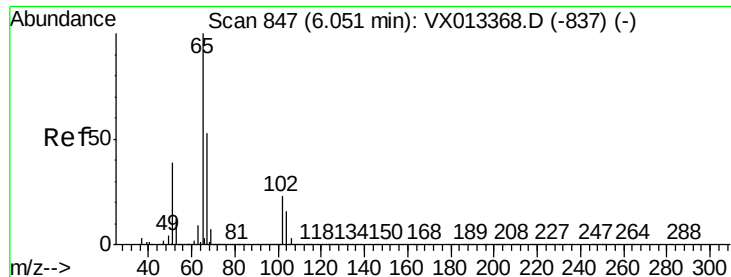
Tot Ion: 83 Resp: 238086
Ion Ratio Lower Upper
83 100
85 62.1 52.4 78.6



#26
Cyclohexane
Concen: 19.141 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 56 Resp: 208701
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 0.0 70.5 105.7#

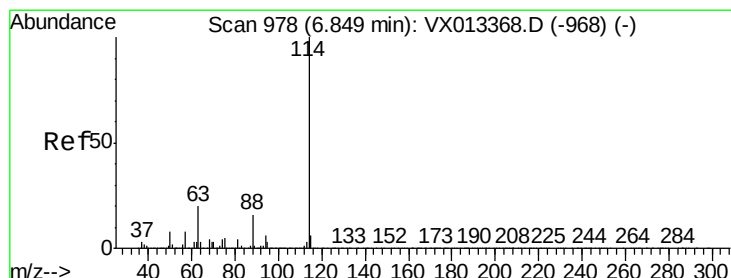
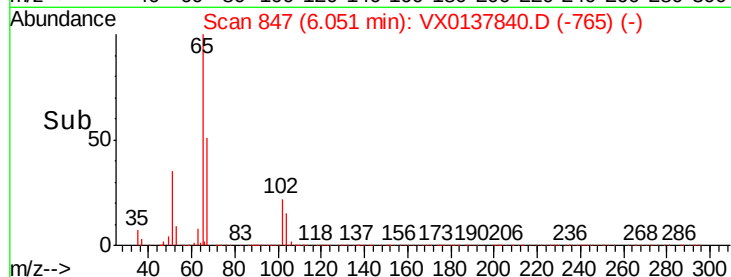
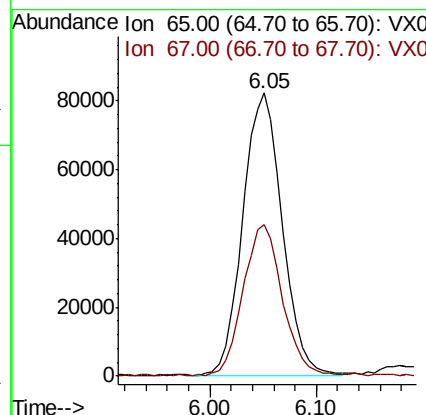
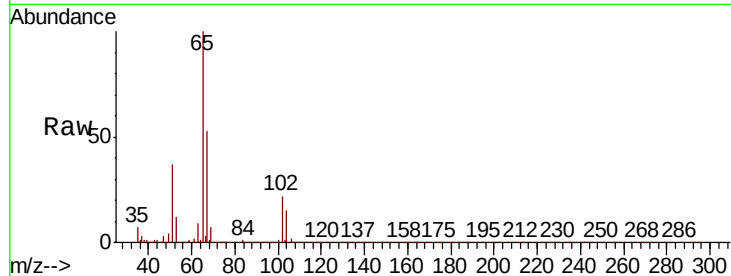




#27
 1,2-Dichloroethane-d4
 Concen: 28.799 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

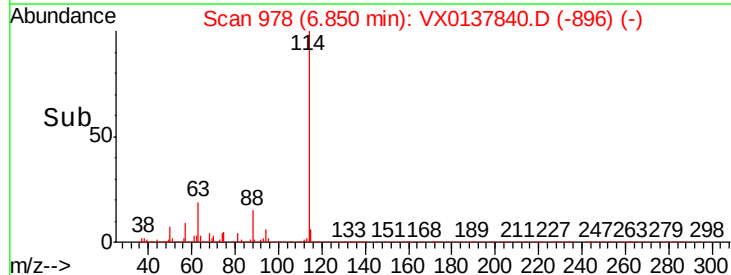
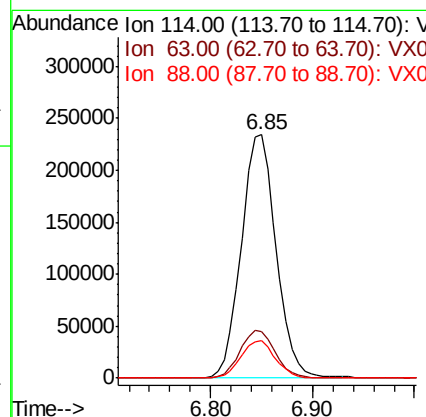
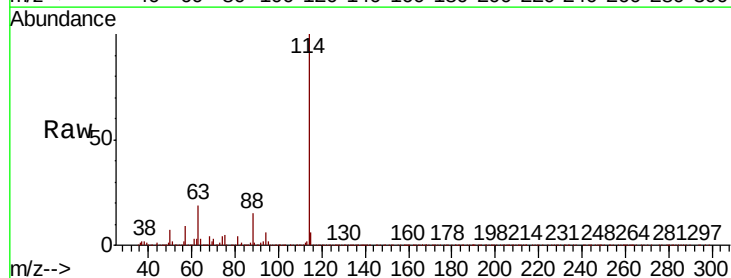
Instrument :
 MSVOA_X
 ClientSampleId :

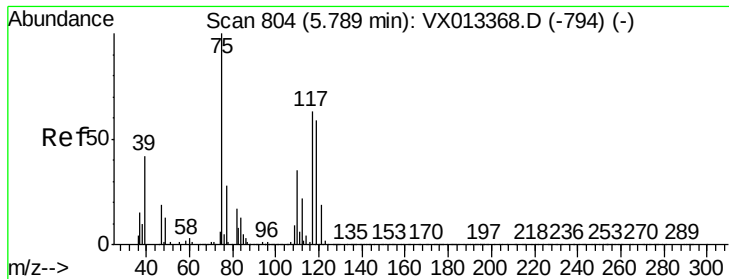
Tot Ion: 65 Resp: 214243
 Ion Ratio Lower Upper
 65 100
 67 52.9 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 114 Resp: 556230
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.1 24.1
 88 15.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.629 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :
MSVOA_X
ClientSampleId :

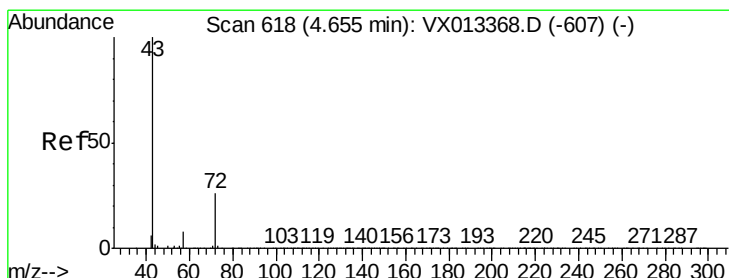
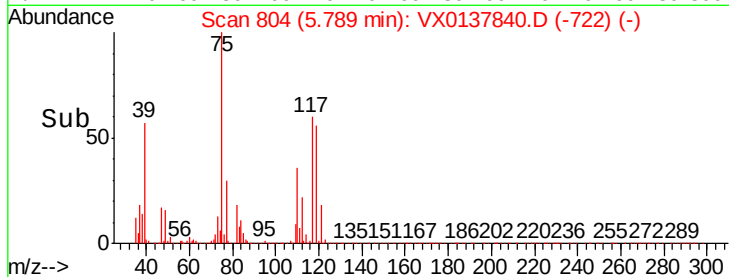
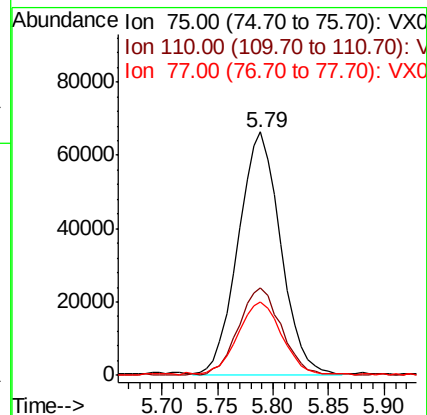
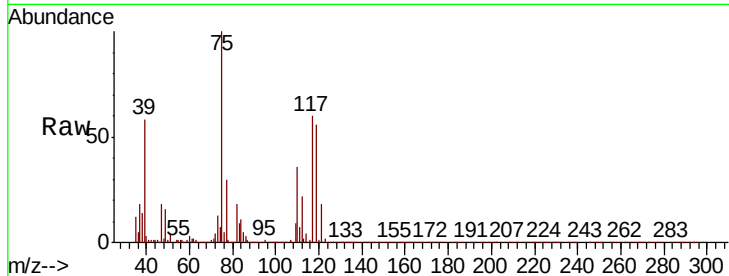
Tot Ion: 75 Resp: 175260

Ion Ratio Lower Upper

75 100

110 35.6 0.0 74.6

77 30.6 0.0 62.6



#30

2-Butanone

Concen: 97.882 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

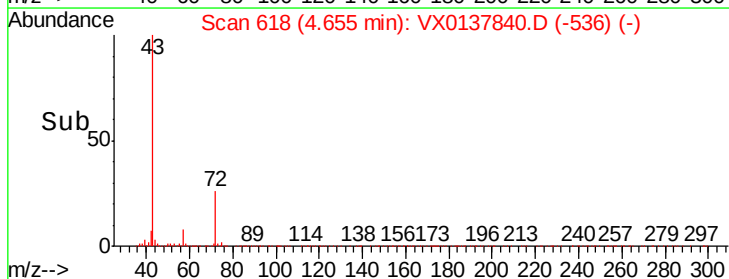
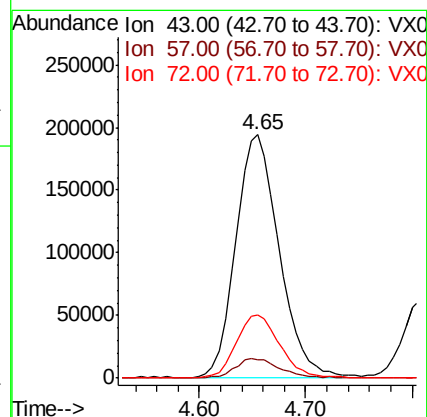
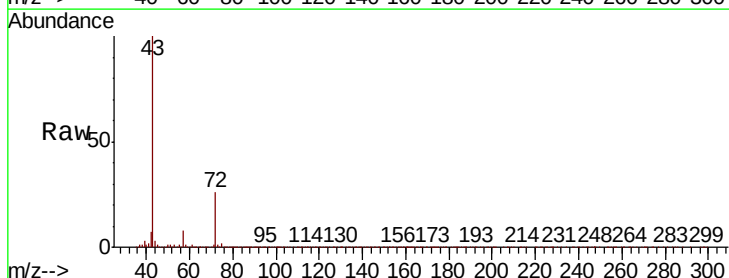
Tgt Ion: 43 Resp: 548894

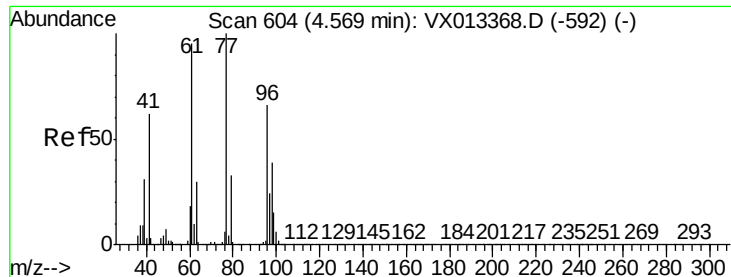
Ion Ratio Lower Upper

43 100

57 4.4 6.1 9.1#

72 25.8 20.5 30.7

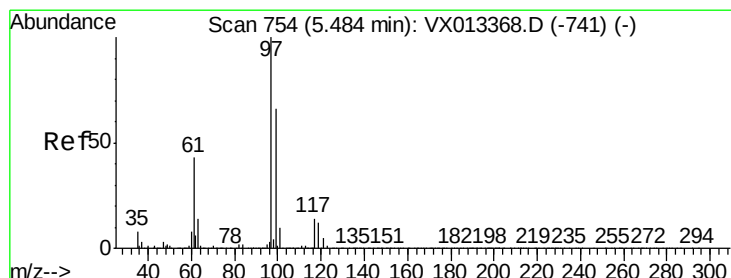
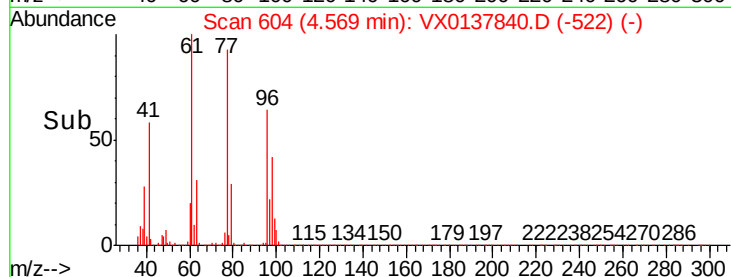
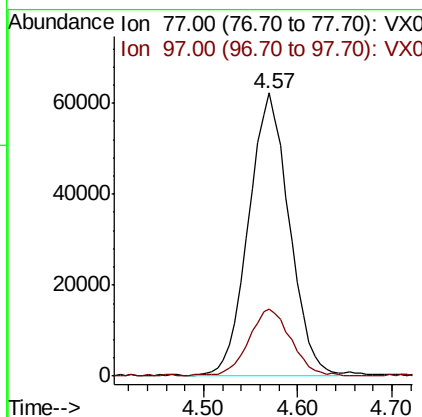
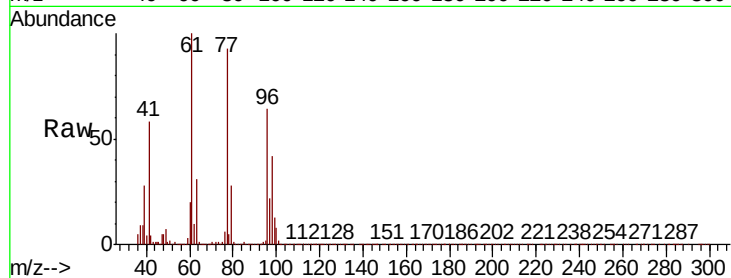




#31
 2,2-Dichloropropane
 Concen: 20.498 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

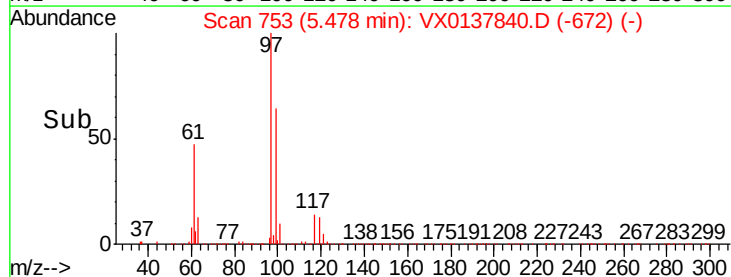
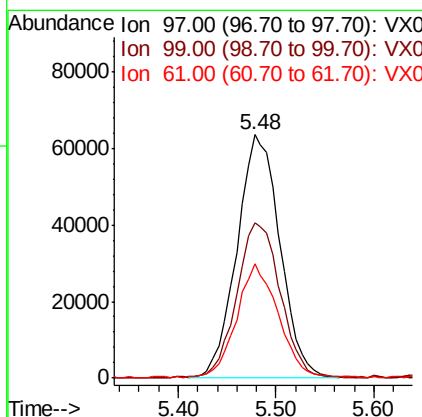
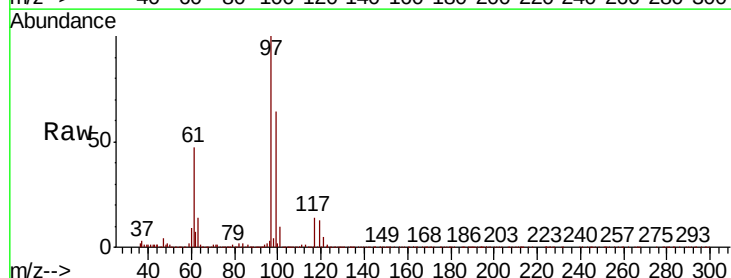
Instrument :
 MSVOA_X
 ClientSampleId :

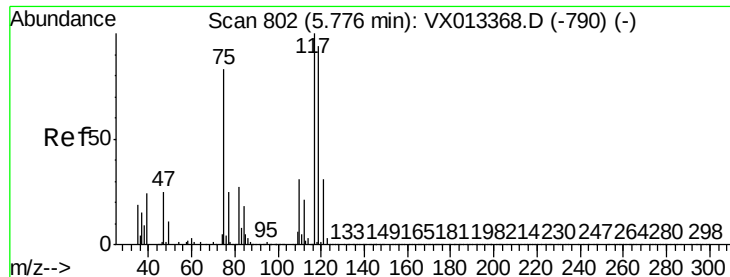
Tot Ion: 77 Resp: 188602
 Ion Ratio Lower Upper
 77 100
 97 22.8 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 20.491 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 97 Resp: 193499
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.5 78.7
 61 44.8 36.1 54.1





#33

Carbon Tetrachloride

Concen: 20.302 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

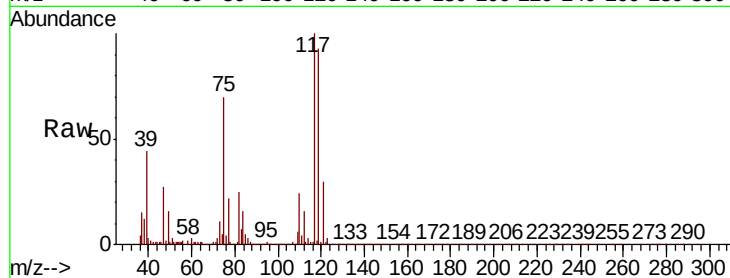
Tot Ion:117 Resp: 166520

Ion Ratio Lower Upper

117 100

119 92.7 75.0 112.6

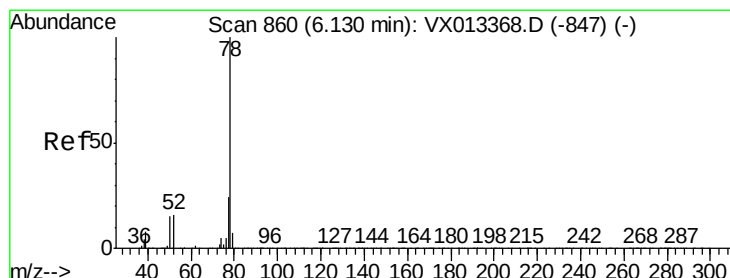
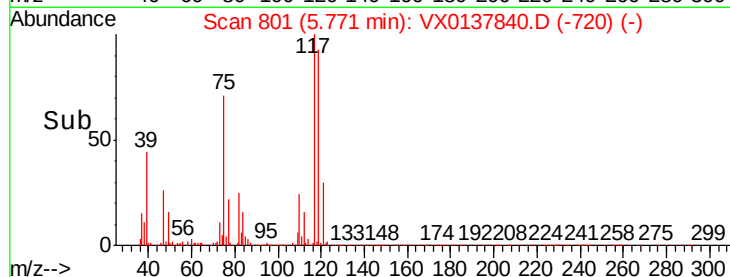
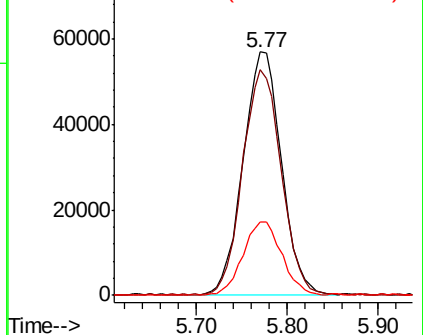
121 30.1 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.052 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

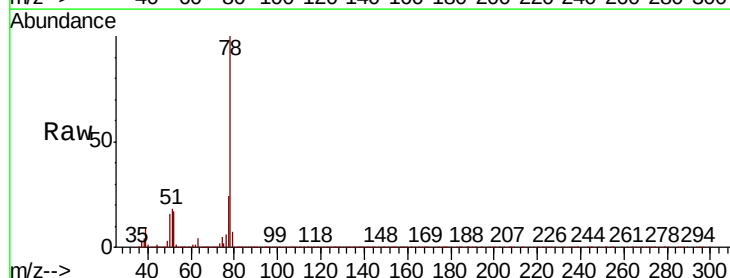
Tgt Ion: 78 Resp: 542497

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

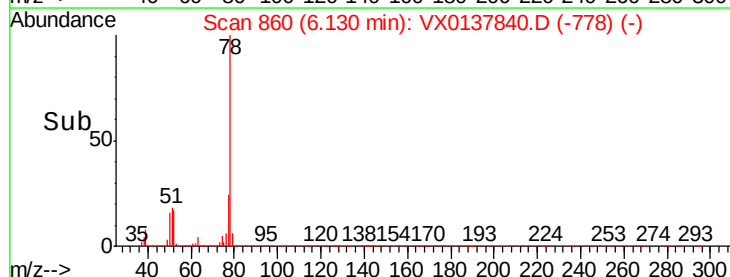
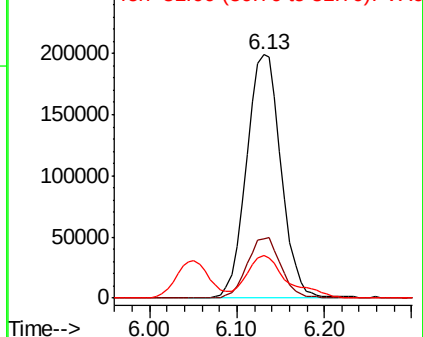
51 17.0 12.2 18.4

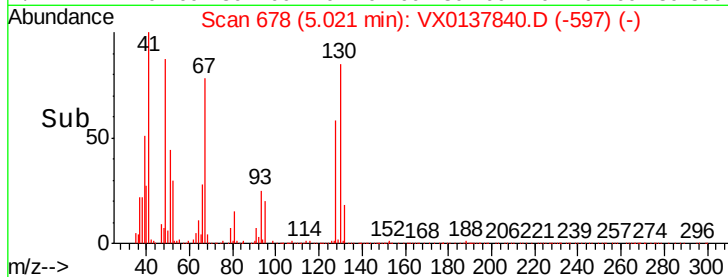
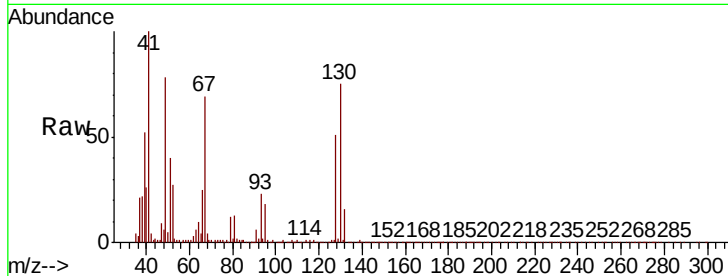
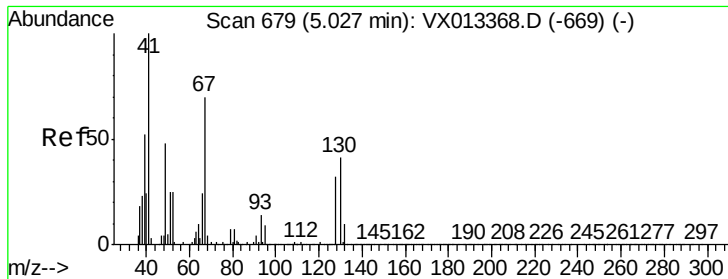


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

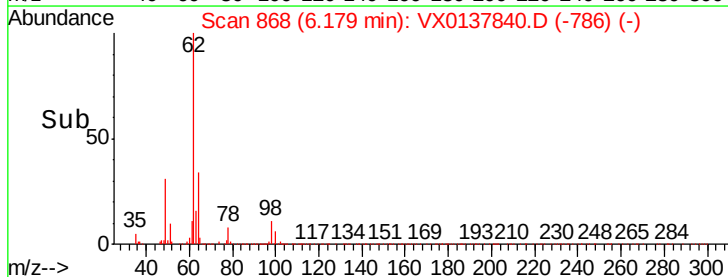
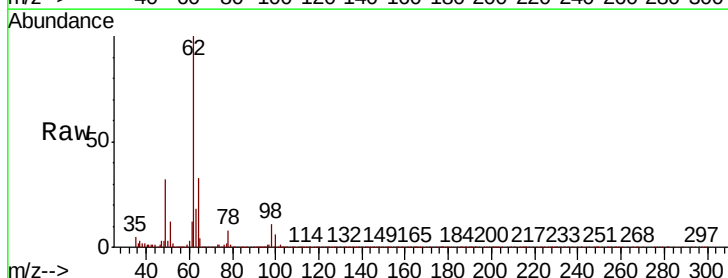
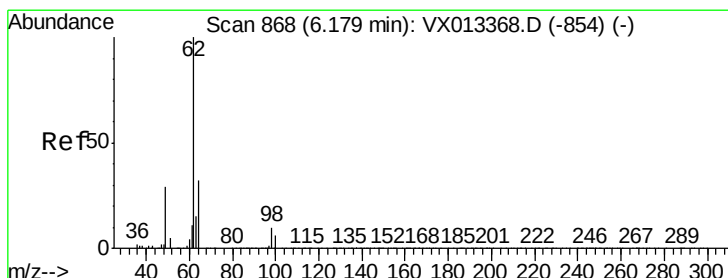
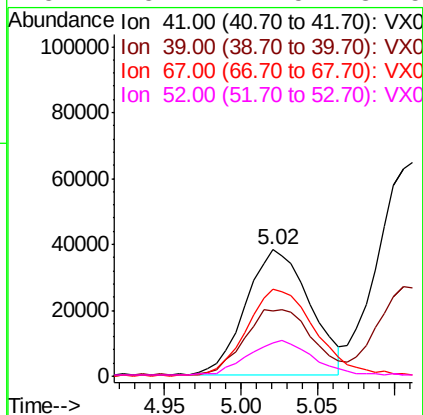




#35
Methacrylonitrile
Concen: 19.736 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

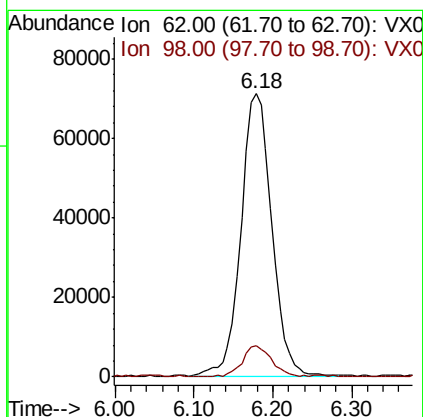
Instrument :
MSVOA_X
ClientSampled :

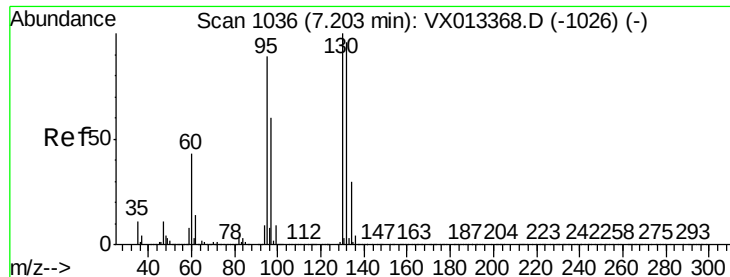
Tot Ion:	41	Resp:	110521
Ion	Ratio	Lower	Upper
41	100		
39	51.8	25.9	77.8
67	69.4	35.1	105.5
52	25.7	12.5	37.5



#36
1,2-Dichloroethane
Concen: 21.696 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion:	62	Resp:	195697
Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.2	12.2





#37

Trichloroethene

Concen: 21.145 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

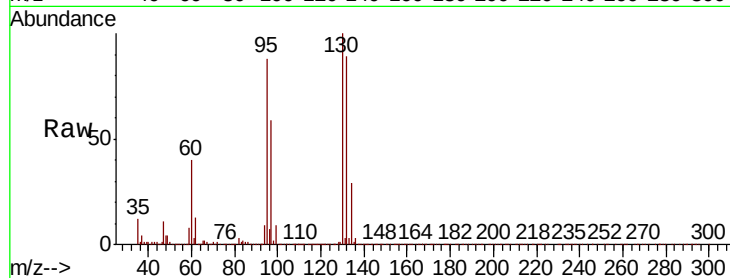
ClientSampled :

Tot Ion:130 Resp: 145978

Ion Ratio Lower Upper

130 100

95 87.5 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

80000

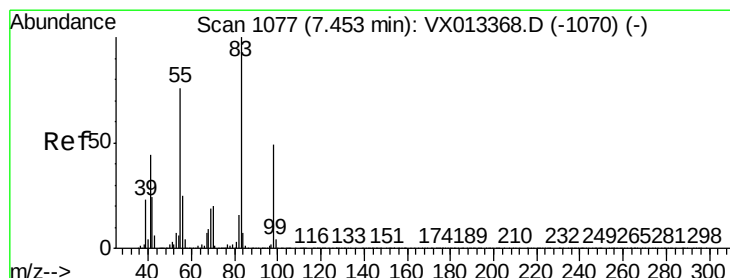
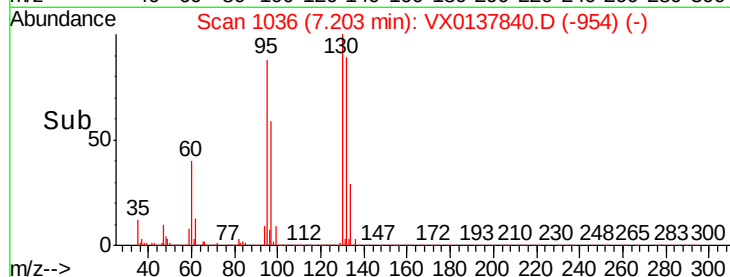
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 20.685 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

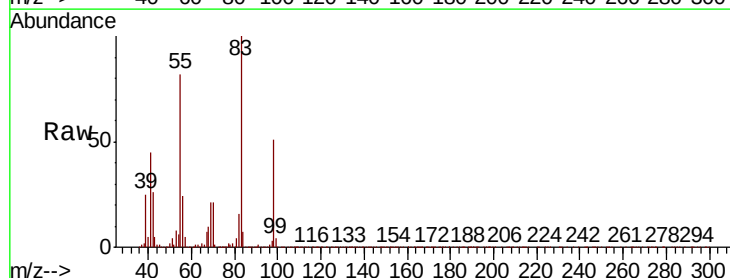
Tgt Ion: 83 Resp: 215480

Ion Ratio Lower Upper

83 100

55 77.9 37.9 113.7

98 50.4 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.45

120000

100000

80000

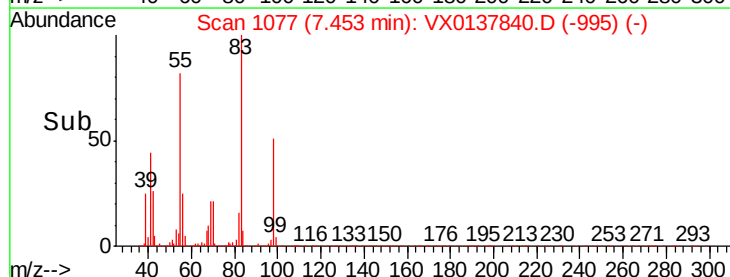
60000

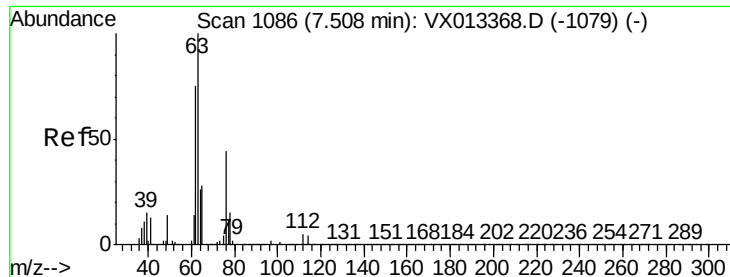
40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55





#39

1,2-Dichloropropane

Concen: 21.214 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

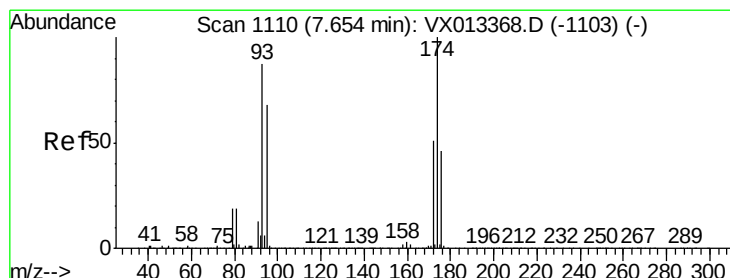
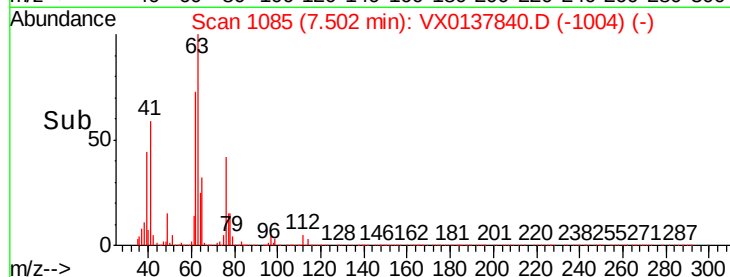
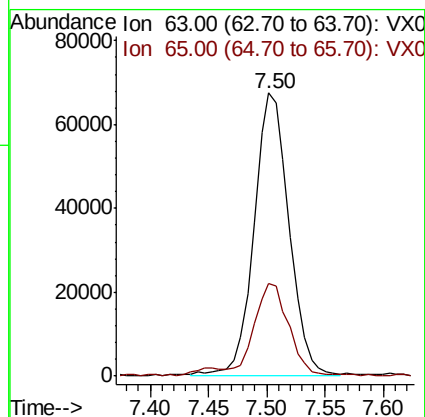
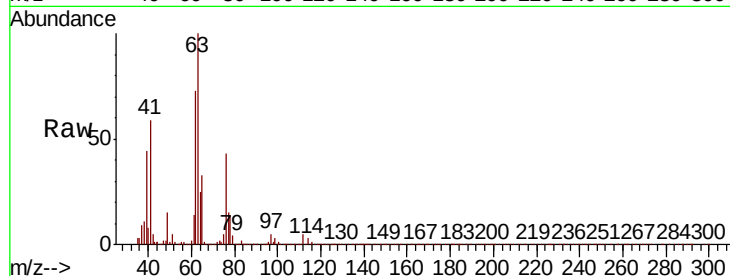
ClientSampleId :

Tot Ion: 63 Resp: 141348

Ion Ratio Lower Upper

63 100

65 32.5 23.8 35.8



#40

Dibromomethane

Concen: 21.137 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

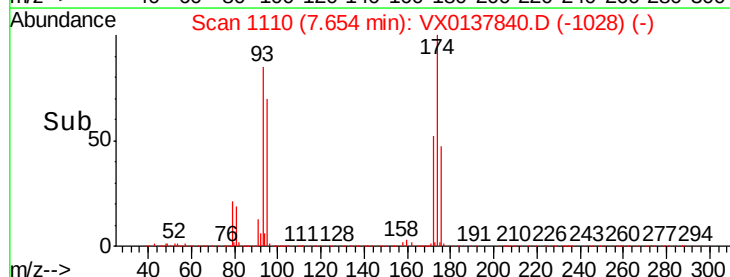
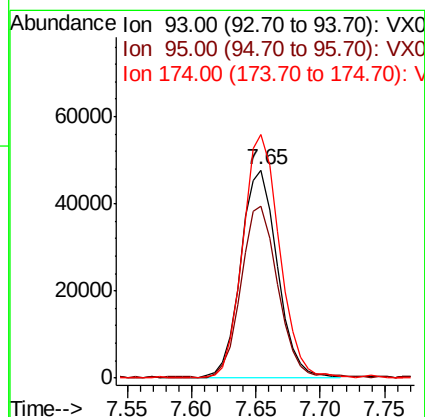
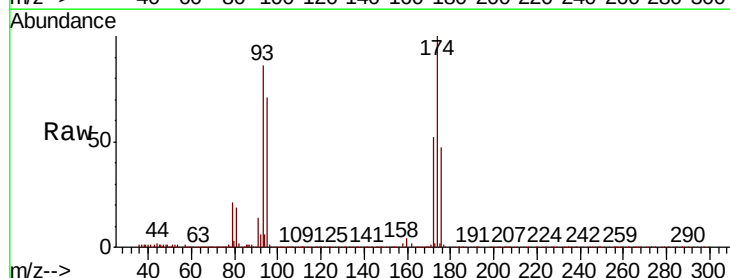
Tgt Ion: 93 Resp: 93730

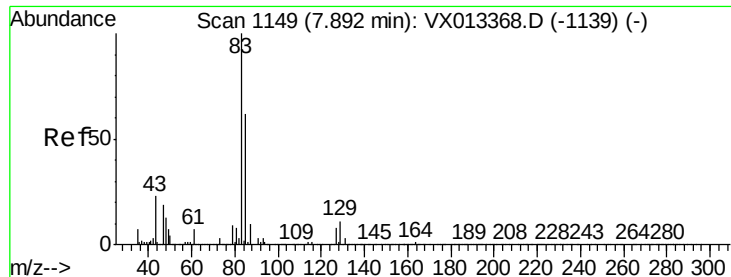
Ion Ratio Lower Upper

93 100

95 81.8 0.0 160.8

174 117.3 0.0 228.8





#41

Bromodichloromethane

Concen: 20.772 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

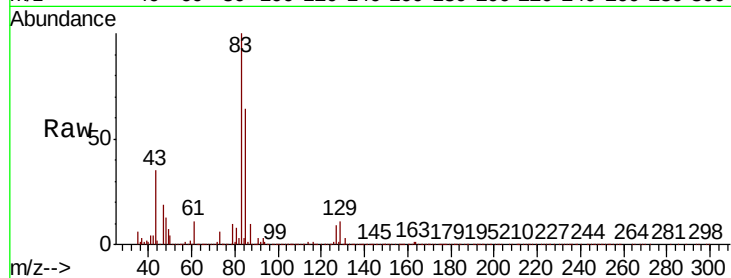
Tot Ion: 83 Resp: 179806

Ion Ratio Lower Upper

83 100

85 63.4 49.3 73.9

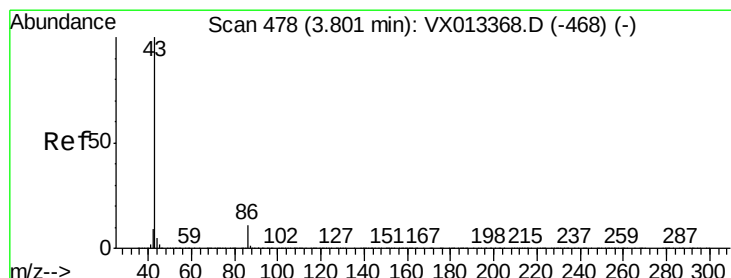
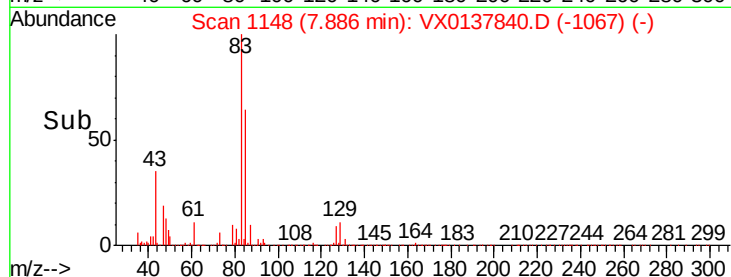
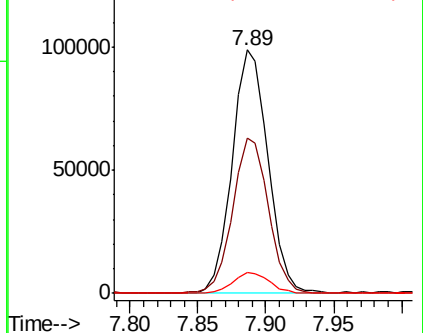
127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 105.301 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX0137840.D

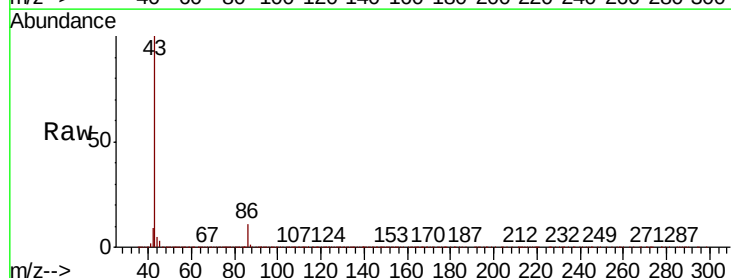
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 43 Resp: 1859111

Ion Ratio Lower Upper

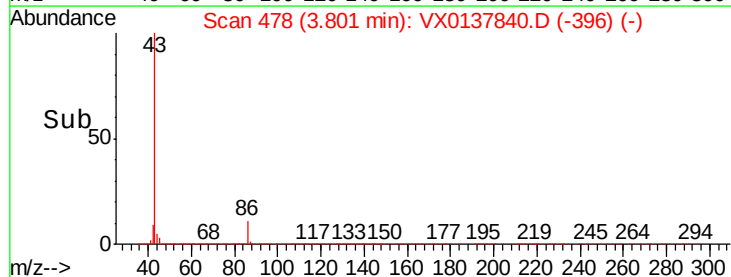
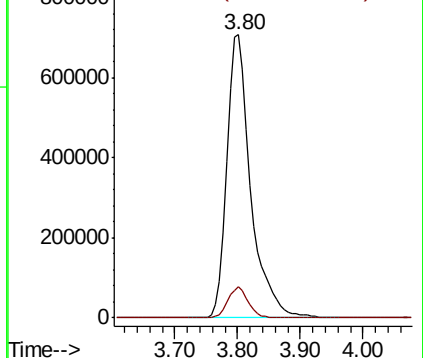
43 100

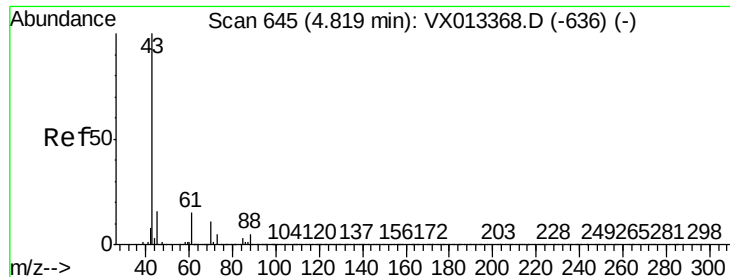
86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

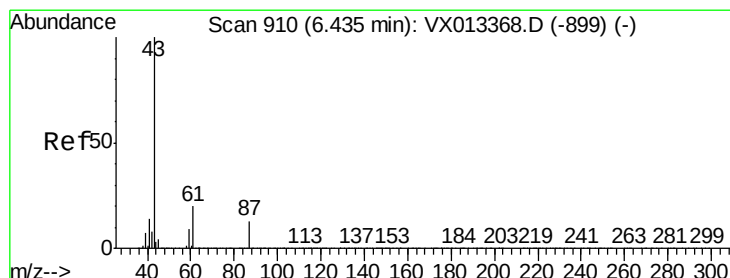
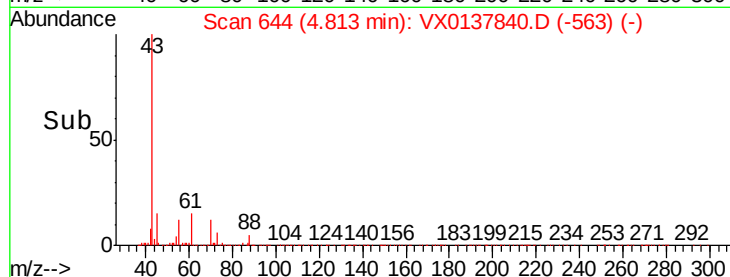
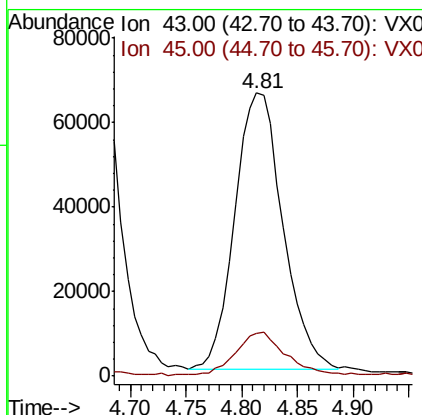
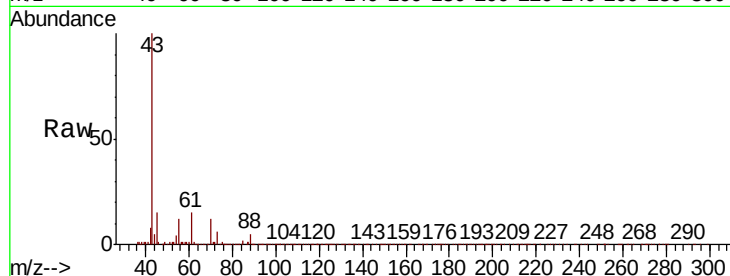




#43
Ethyl Acetate
Concen: 19.147 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

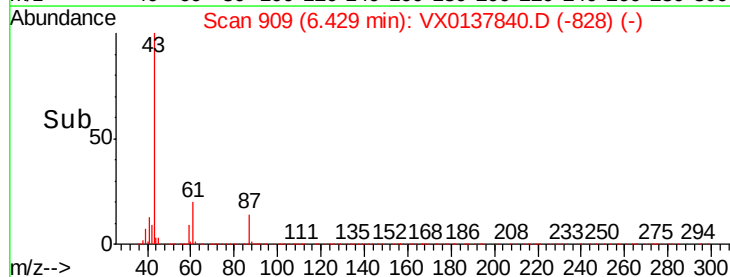
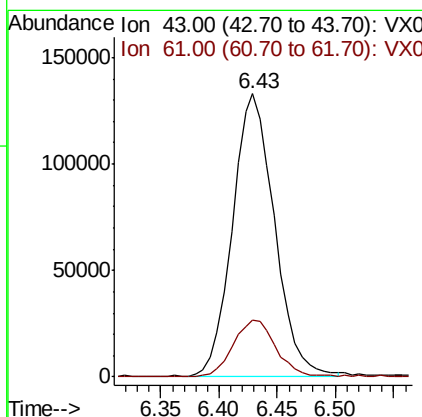
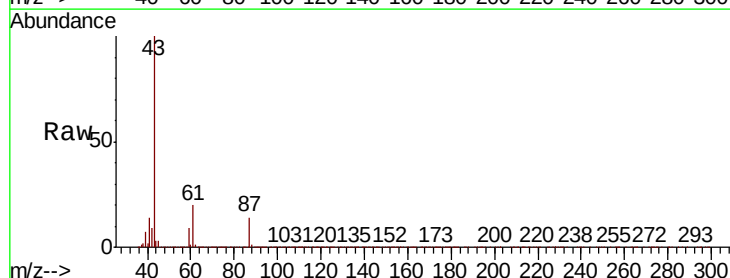
Instrument :
MSVOA_X
ClientSampleId :

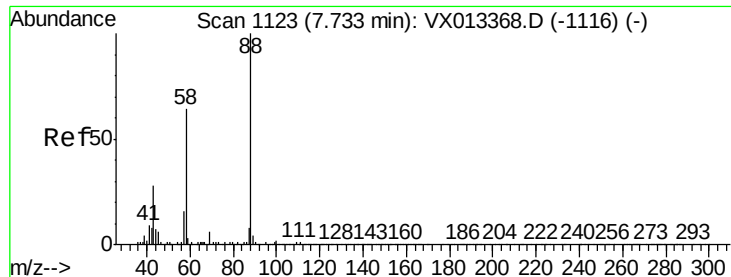
Tot Ion: 43 Resp: 195830
Ion Ratio Lower Upper
43 100
45 15.4 10.9 16.3



#44
Isopropyl Acetate
Concen: 20.176 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 43 Resp: 331698
Ion Ratio Lower Upper
43 100
61 20.1 15.8 23.8





#45

1,4-Dioxane

Concen: 364.634 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

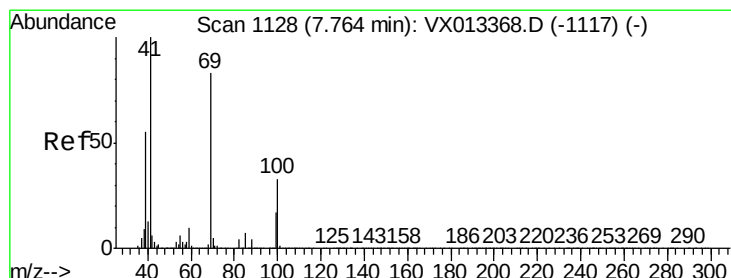
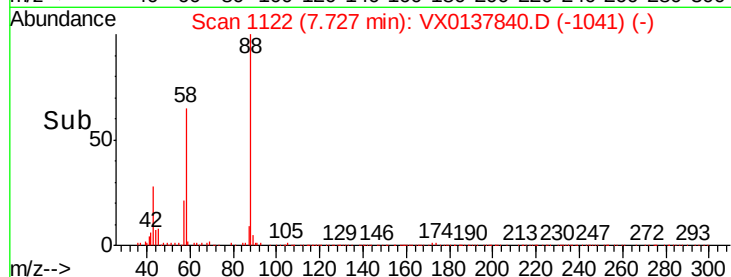
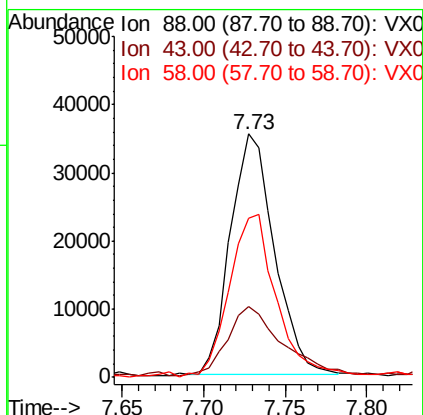
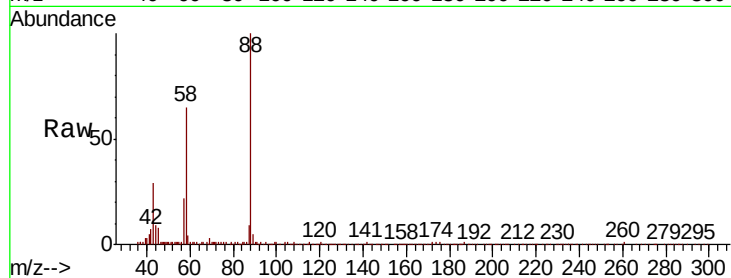
Tot Ion: 88 Resp: 66185

Ion Ratio Lower Upper

88 100

43 35.4 26.1 39.1

58 72.0 55.8 83.8



#46

Methyl methacrylate

Concen: 20.209 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

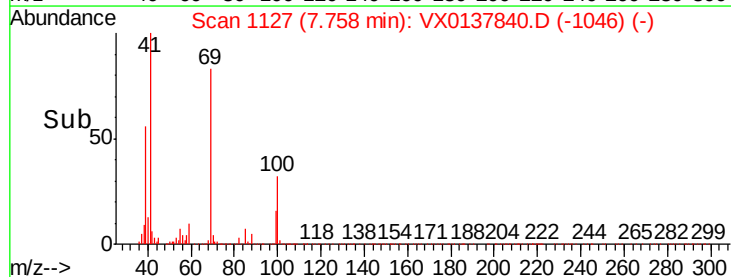
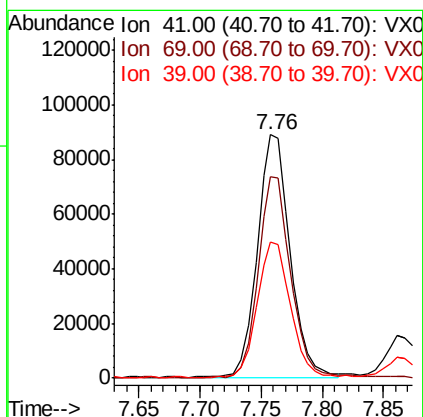
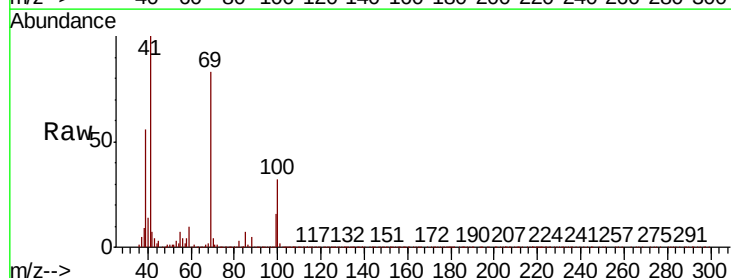
Tgt Ion: 41 Resp: 165266

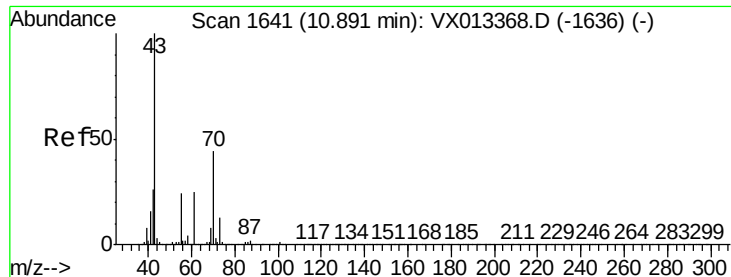
Ion Ratio Lower Upper

41 100

69 82.8 41.4 124.4

39 55.7 27.9 83.6





#47

n-amvl Acetate

Concen: 19.639 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

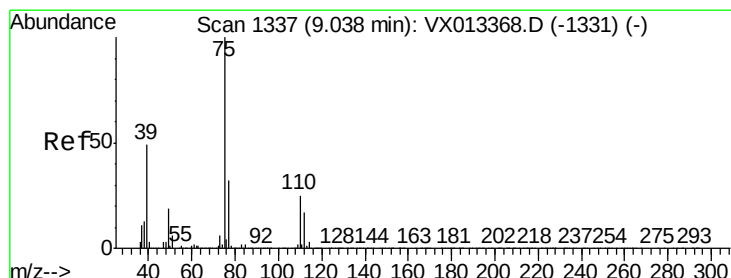
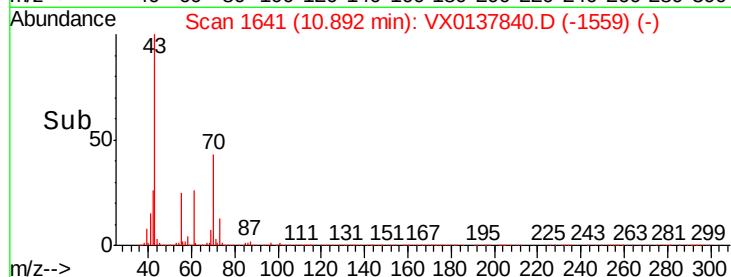
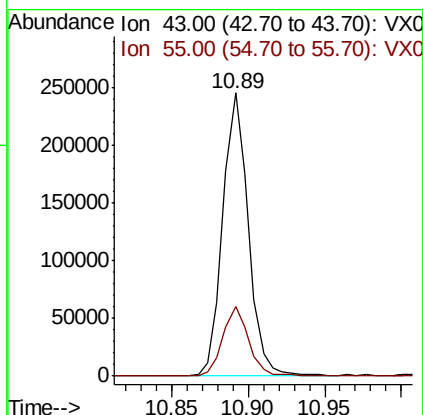
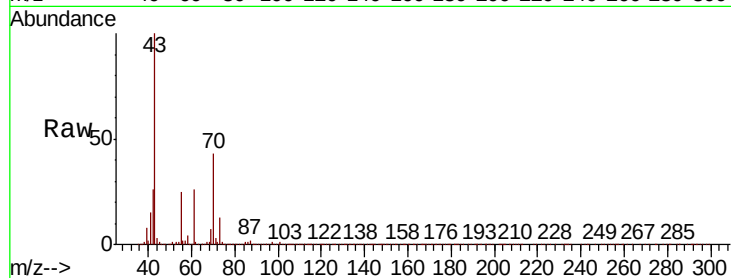
ClientSampleId :

Tot Ion: 43 Resp: 283211

Ion Ratio Lower Upper

43 100

55 25.1 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 20.479 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX0137840.D

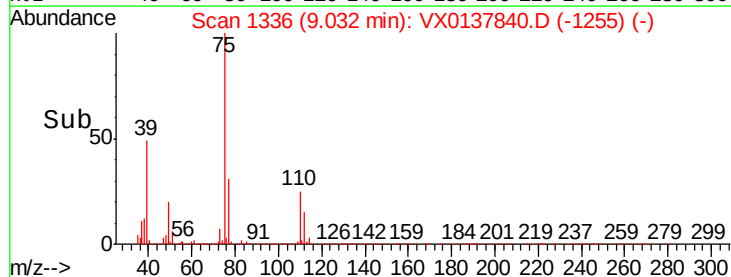
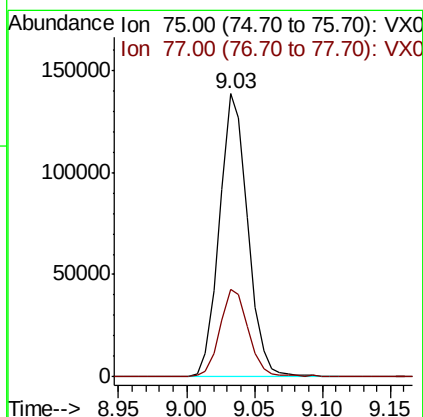
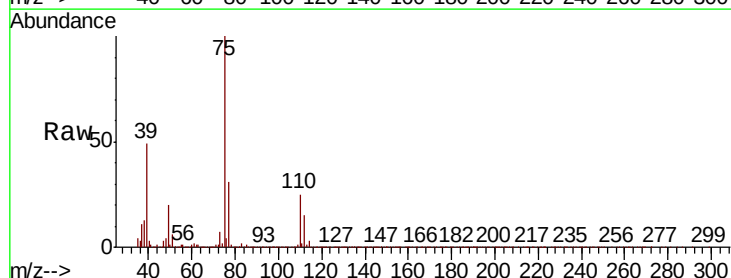
Acq: 07 Dec 2019 02:56 pm

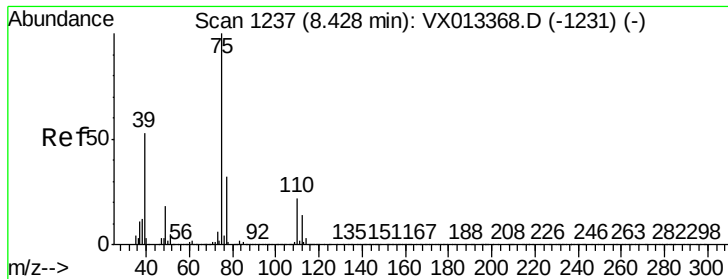
Tgt Ion: 75 Resp: 198778

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 21.019 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :
MSVOA_X
ClientSampleId :

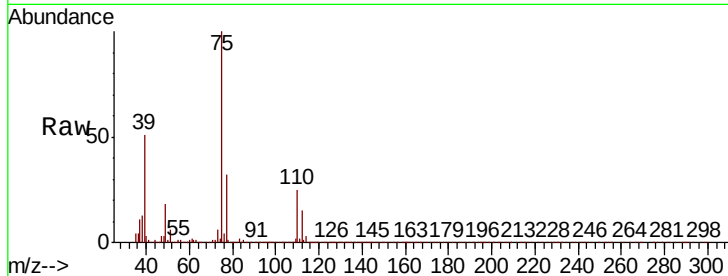
Tot Ion: 75 Resp: 223558

Ion Ratio Lower Upper

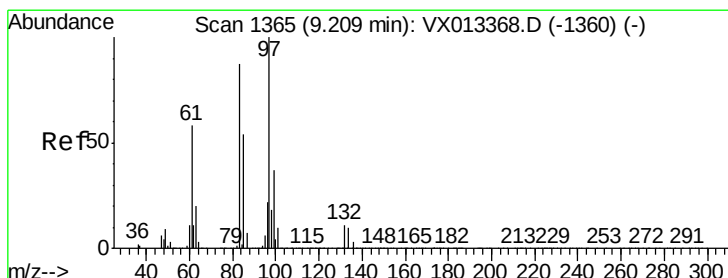
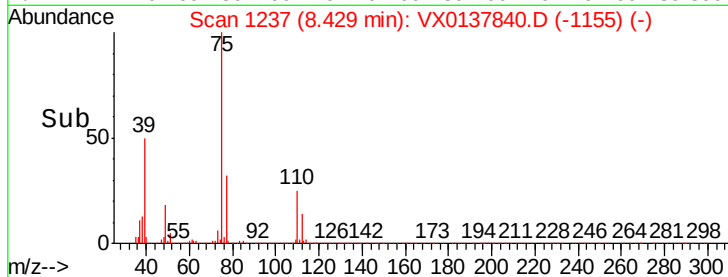
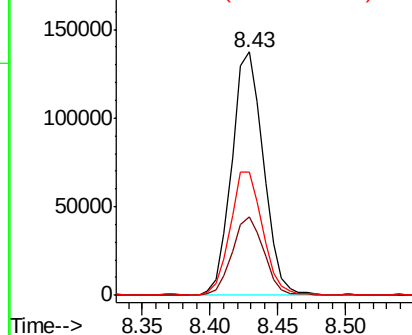
75 100

77 32.1 25.8 38.8

39 50.3 42.2 63.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane

Concen: 21.469 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 97 Resp: 140878

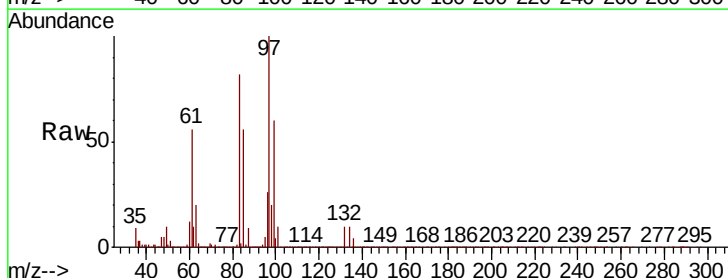
Ion Ratio Lower Upper

97 100

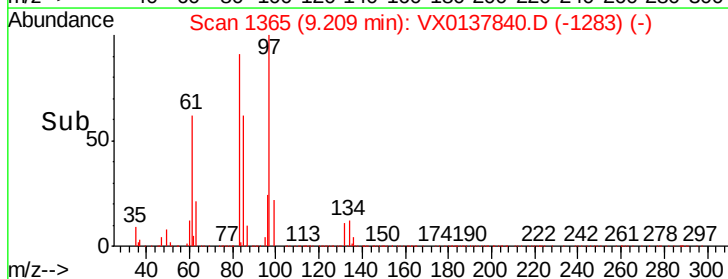
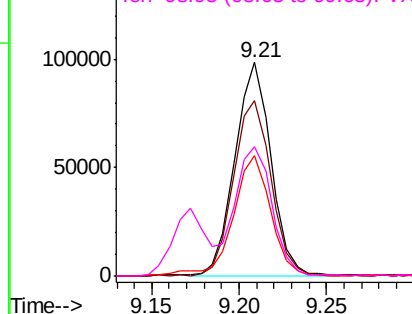
83 82.2 69.6 104.4

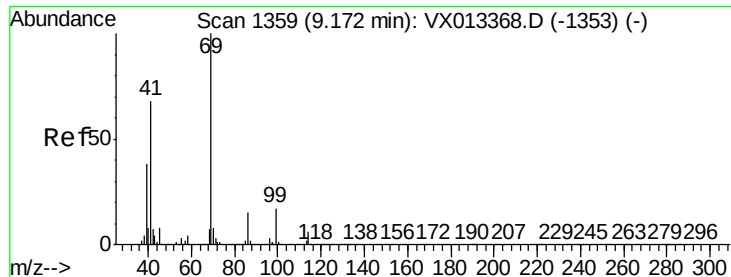
85 56.2 45.5 68.3

99 60.2 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 82.95 (82.65 to 83.65): VX0
Ion 84.95 (84.65 to 85.65): VX0
Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 20.757 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

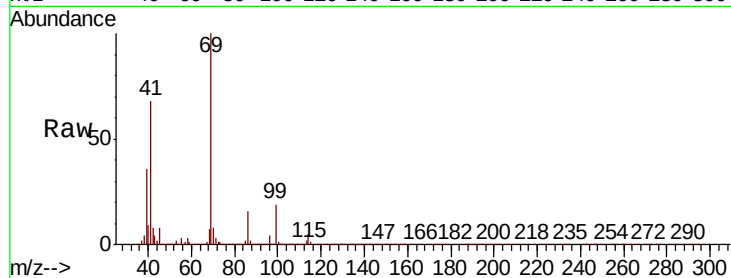
Tot Ion: 69 Resp: 224250

Ion Ratio Lower Upper

69 100

41 67.6 33.9 101.6

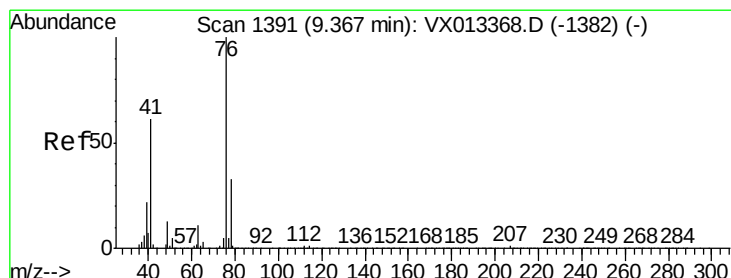
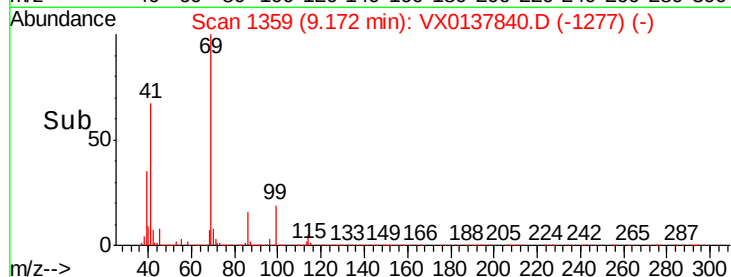
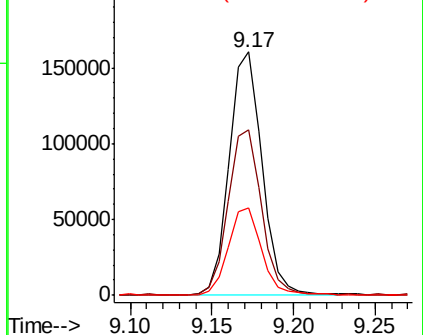
39 35.8 18.8 56.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.686 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX0137840.D

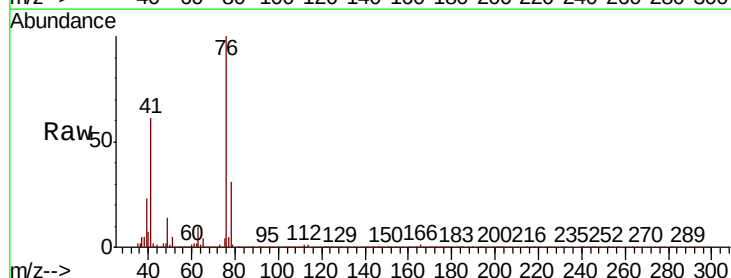
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 76 Resp: 243264

Ion Ratio Lower Upper

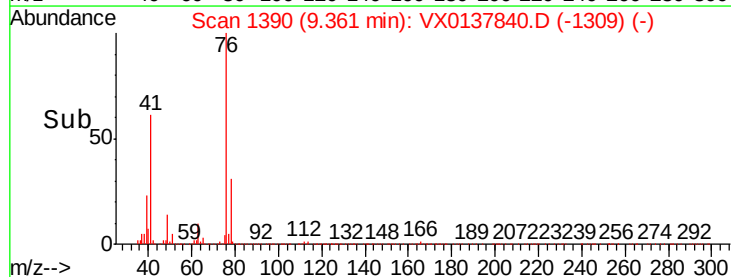
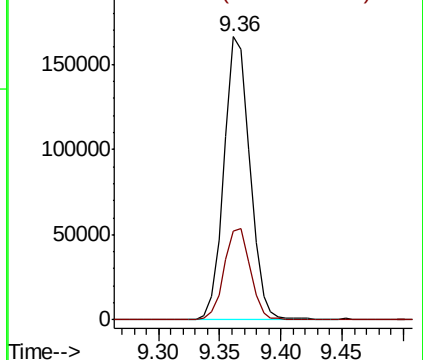
76 100

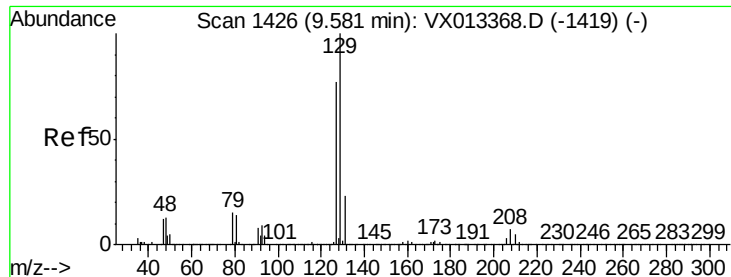
78 32.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

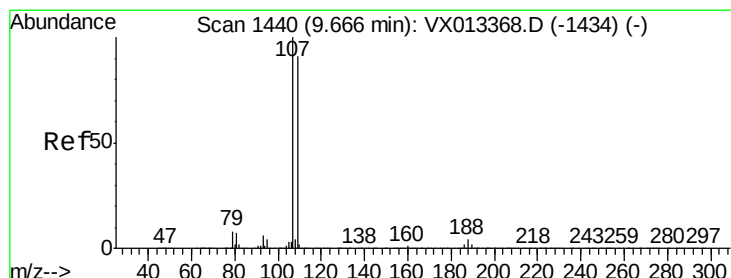
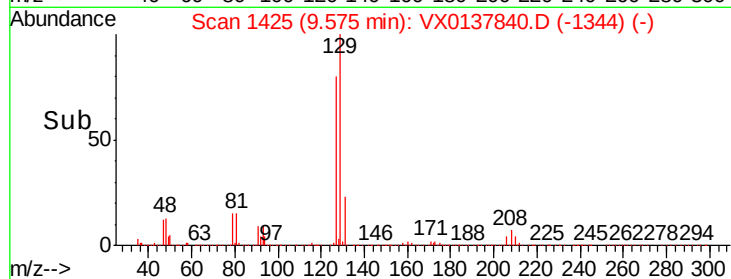
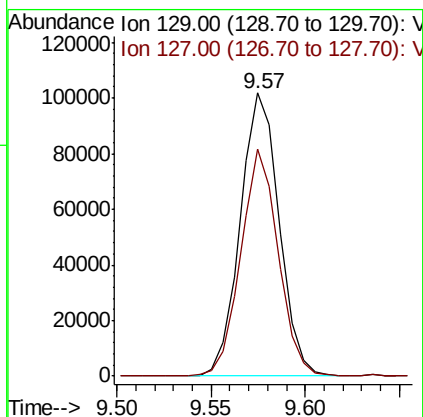
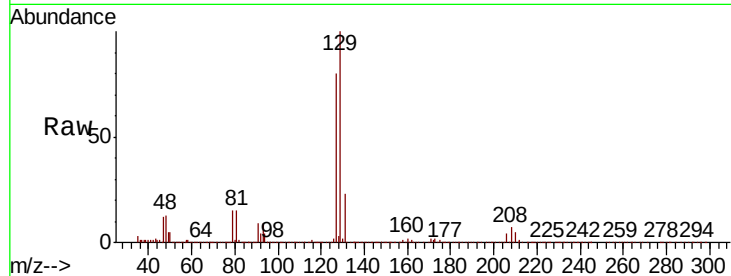




#53
 Dibromochloromethane
 Concen: 20.896 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

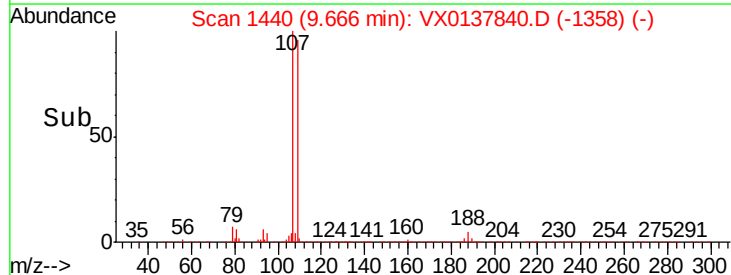
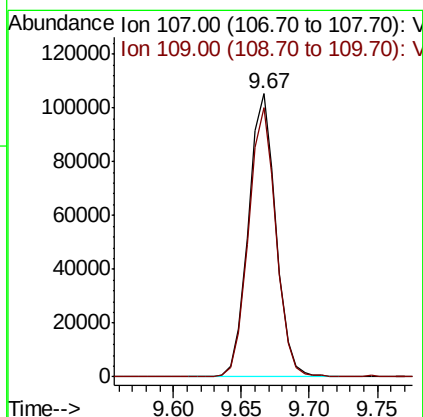
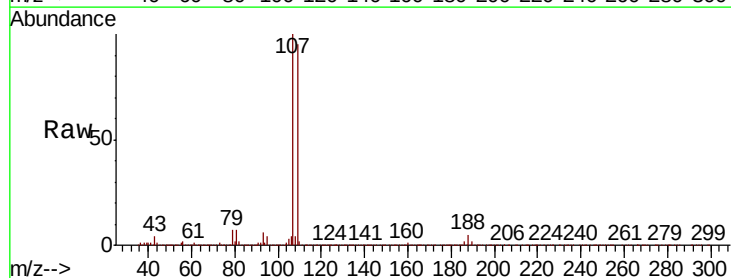
Instrument :
 MSVOA_X
 ClientSampleId :

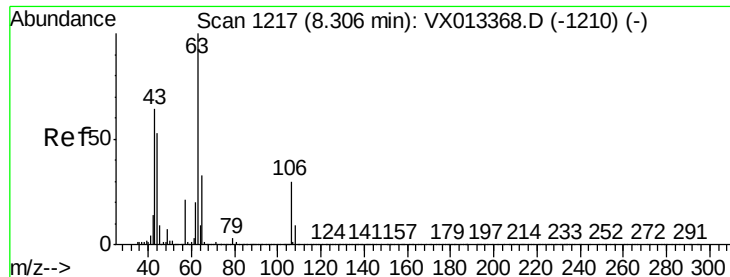
Tot Ion:129 Resp: 145323
 Ion Ratio Lower Upper
 129 100
 127 77.2 39.6 119.0



#54
 1,2-Dibromoethane
 Concen: 21.248 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion:107 Resp: 149087
 Ion Ratio Lower Upper
 107 100
 109 94.8 73.9 110.9





#55

2-Chloroethyl vinyl ether

Concen: 87.588 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

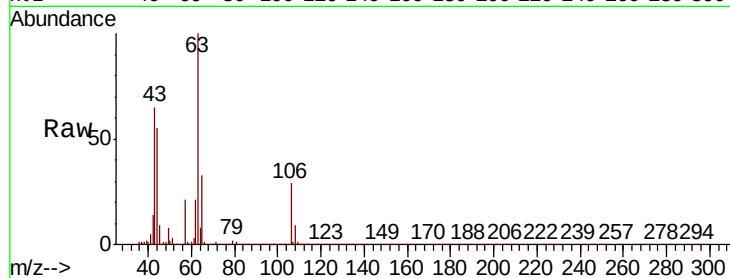
Tot Ion: 63 Resp: 404331

Ion Ratio Lower Upper

63 100

65 32.2 26.0 39.0

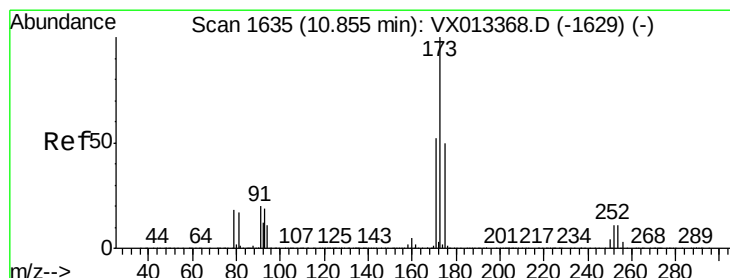
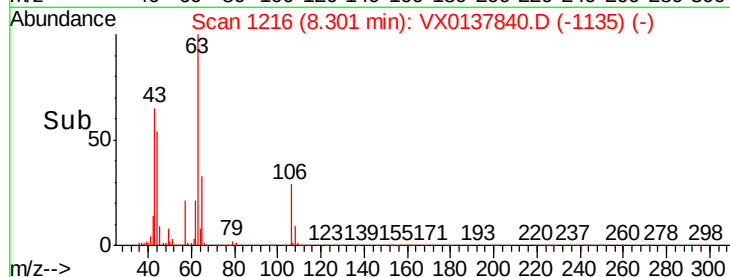
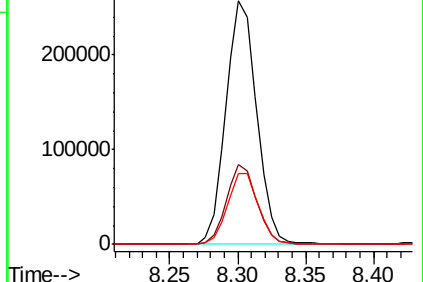
106 29.6 23.5 35.3



Abundance Ion 63.00 (62.70 to 63.70): VX013368.D (-1210) (-)

Ion 65.00 (64.70 to 65.70): VX013368.D (-1210) (-)

Ion 106.00 (105.70 to 106.70): VX013368.D (-1210) (-)



#56

Bromoform

Concen: 20.033 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

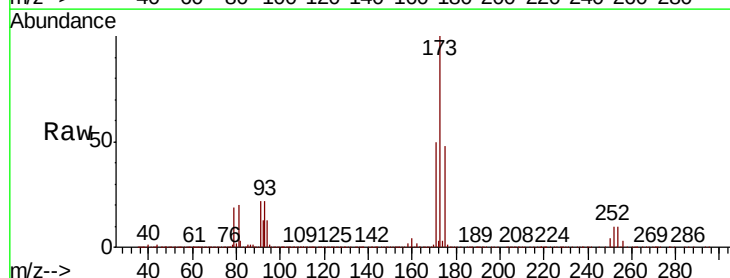
Tgt Ion: 173 Resp: 110874

Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.0

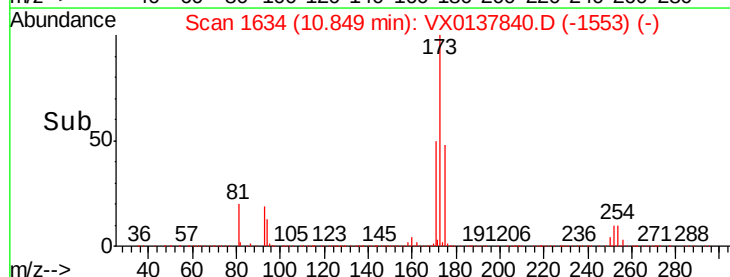
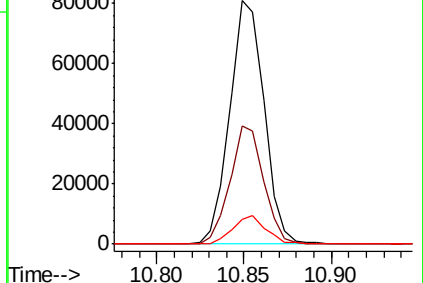
254 11.1 8.6 12.8

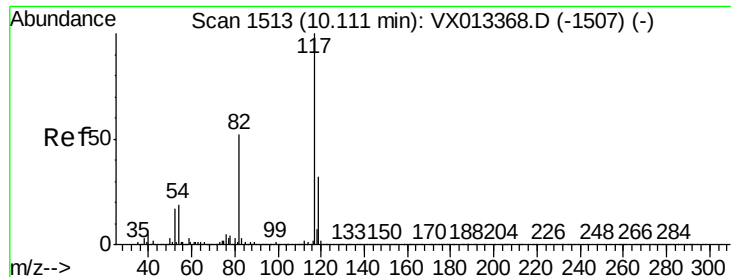


Abundance Ion 173.00 (172.70 to 173.70): VX013368.D (-1629) (-)

Ion 175.00 (174.70 to 175.70): VX013368.D (-1629) (-)

Ion 254.00 (253.70 to 254.70): VX013368.D (-1629) (-)

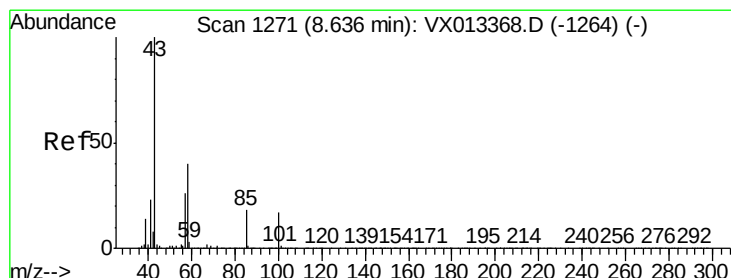
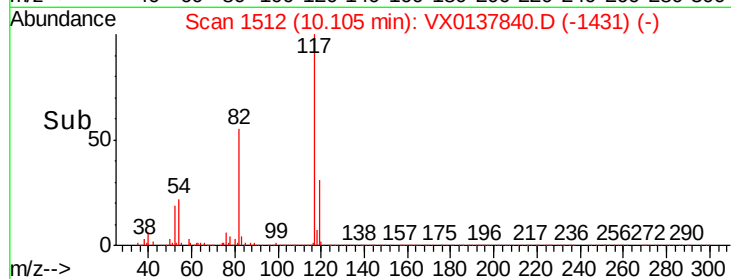
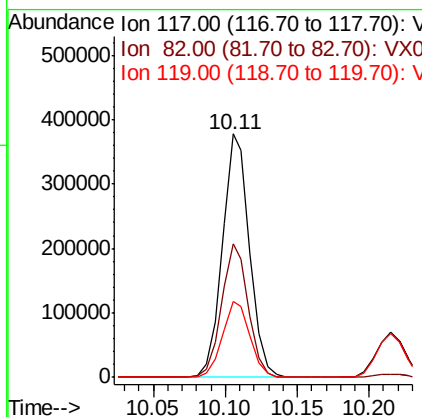
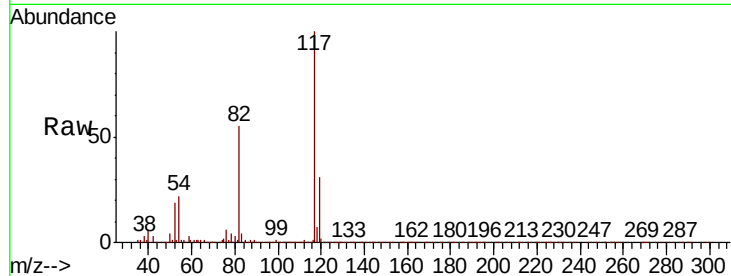




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

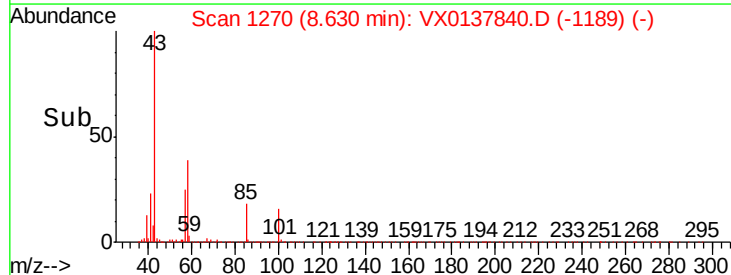
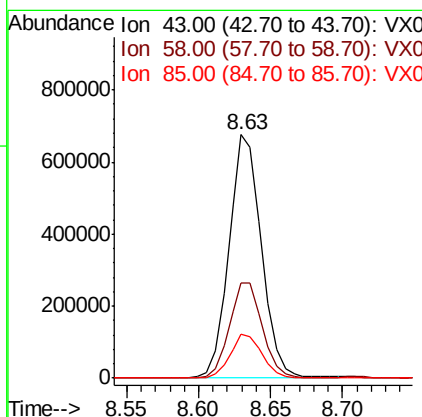
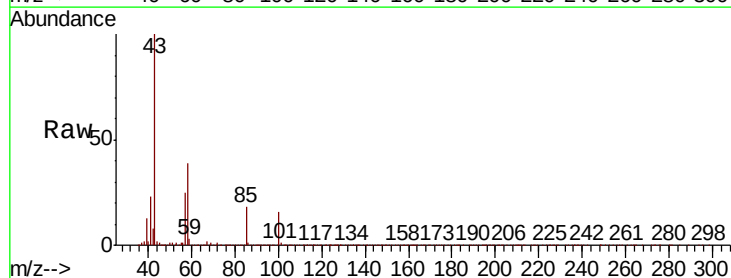
Instrument :
MSVOA_X
ClientSampleId :

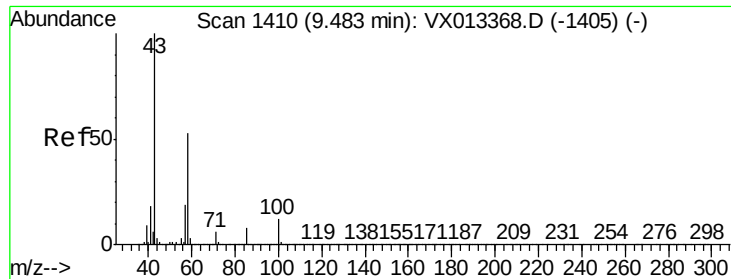
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.7	65.5
119	31.7	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 101.837 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4
85	17.8	14.2	21.2

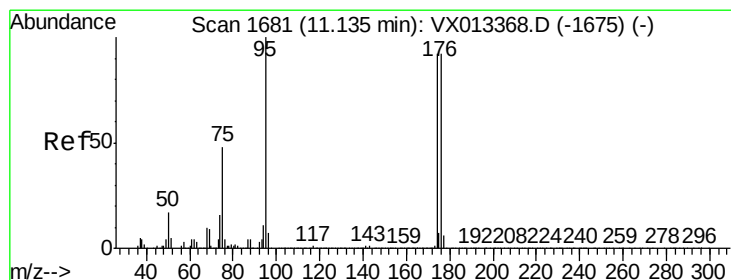
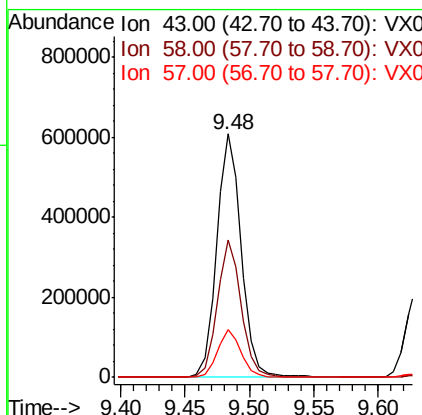
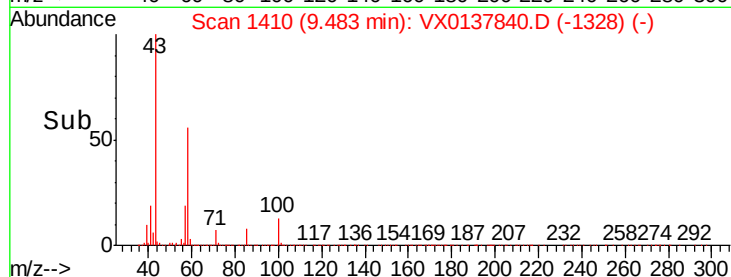
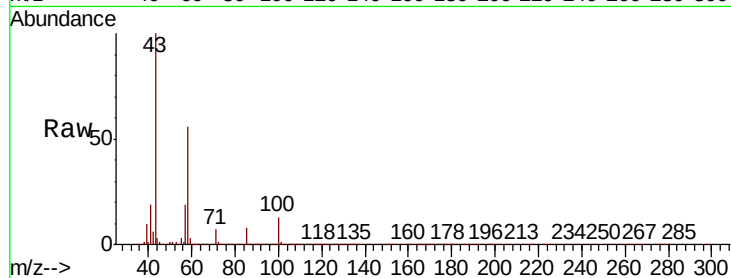




#59
2-Hexanone
Concen: 98.745 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

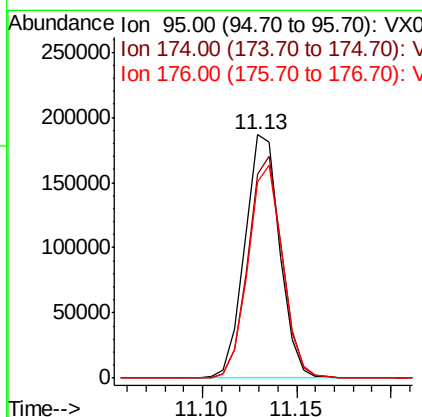
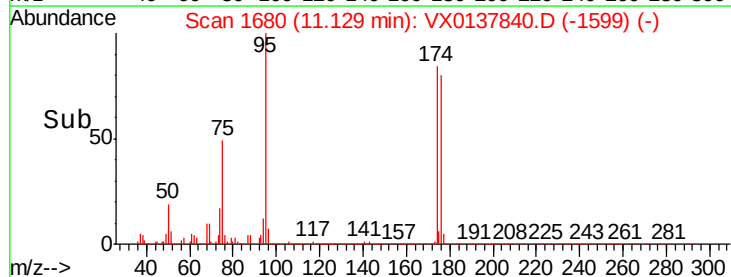
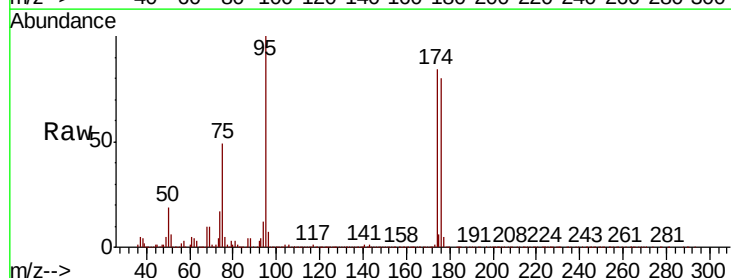
Instrument :
MSVOA_X
ClientSampleId :

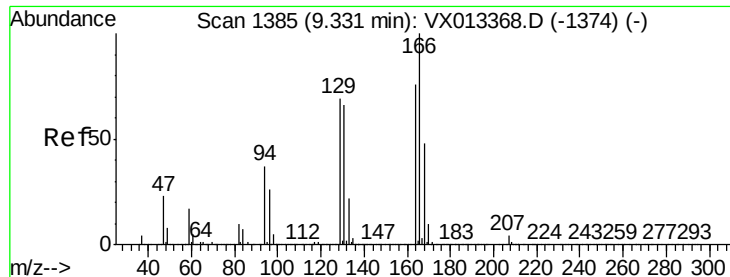
Tot Ion: 43 Resp: 812187
Ion Ratio Lower Upper
43 100
58 54.8 43.8 65.6
57 18.8 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.959 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 95 Resp: 239613
Ion Ratio Lower Upper
95 100
174 89.2 70.2 105.2
176 86.5 68.3 102.5





#61

Tetrachloroethene

Concen: 21.982 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 134884

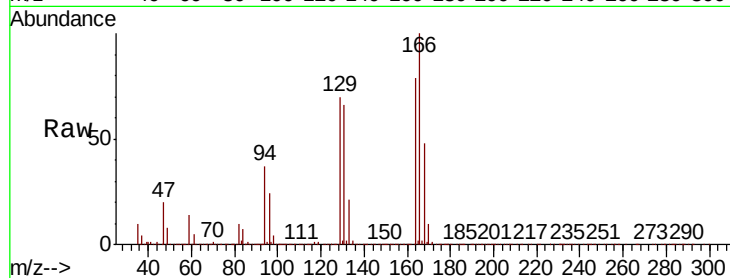
Ion Ratio Lower Upper

164 100

166 126.9 104.9 157.3

129 88.9 72.3 108.5

131 84.3 69.0 103.6

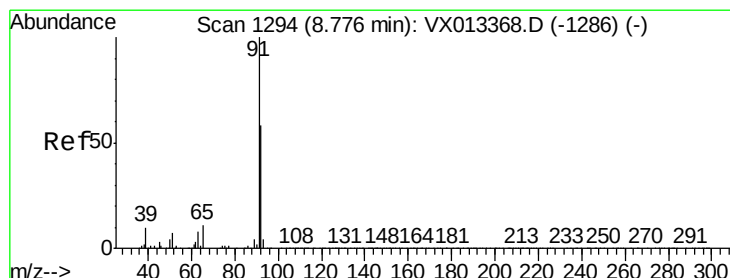
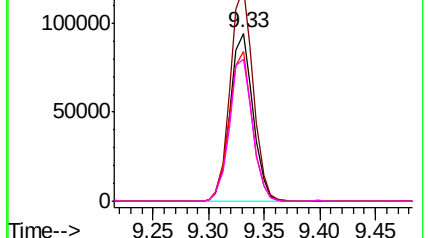
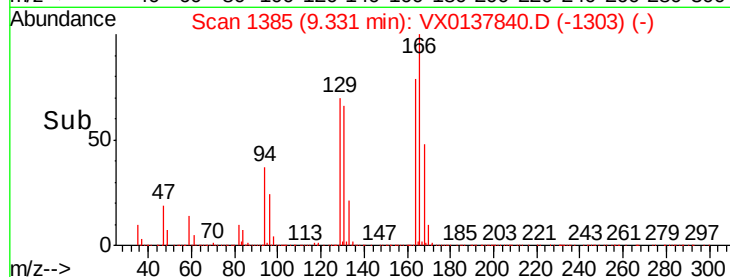


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.976 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX0137840.D

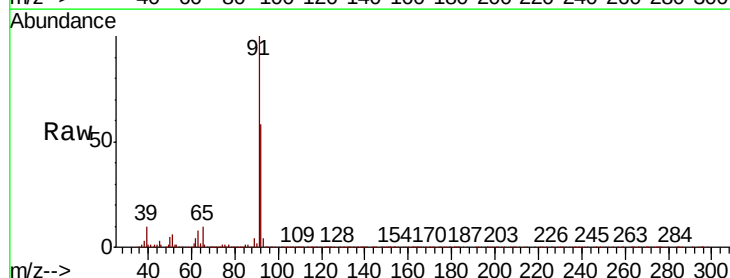
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 91 Resp: 581417

Ion Ratio Lower Upper

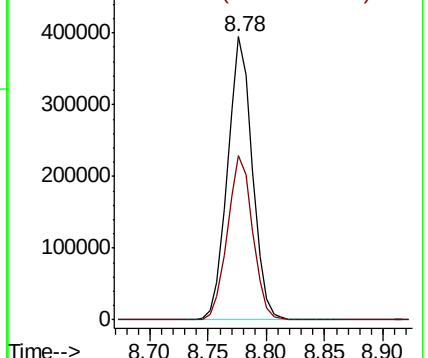
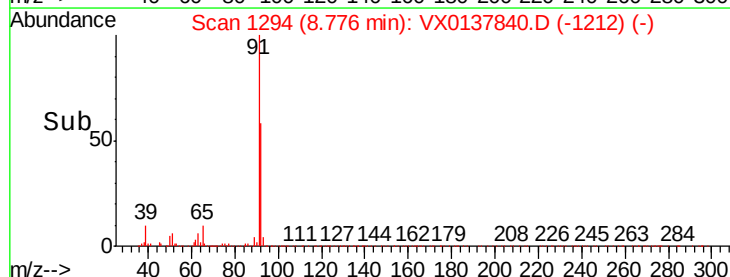
91 100

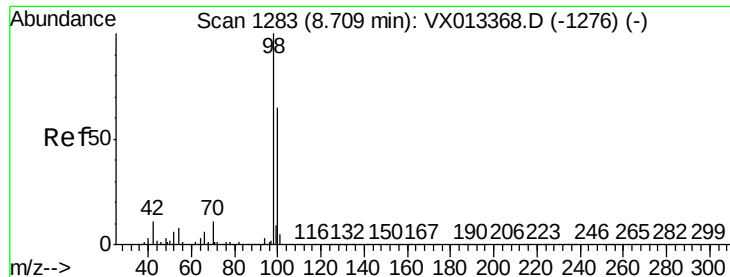
92 59.2 46.6 69.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

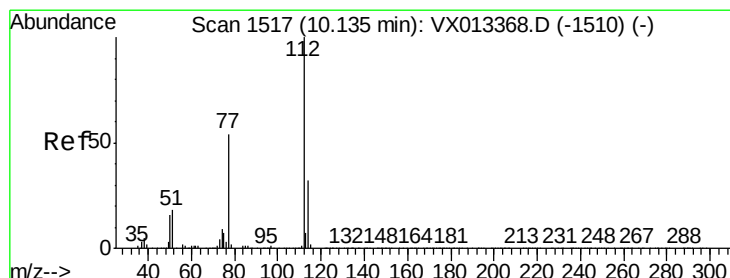
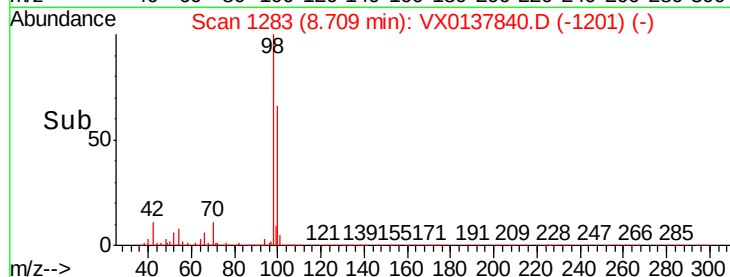
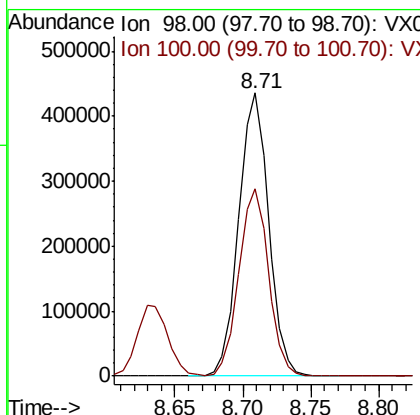
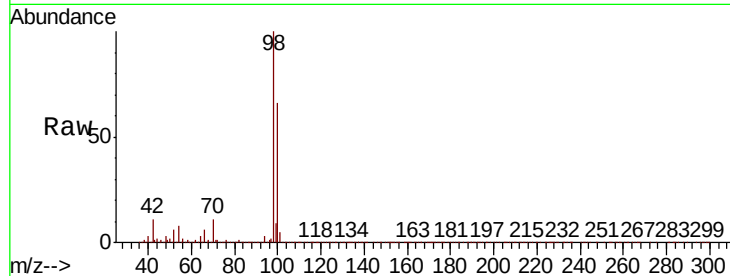




#63
Toluene-d8
Concen: 29.695 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

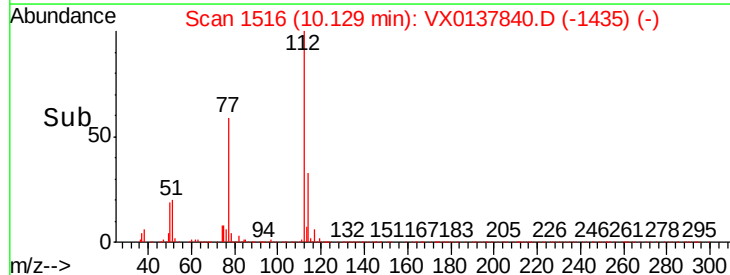
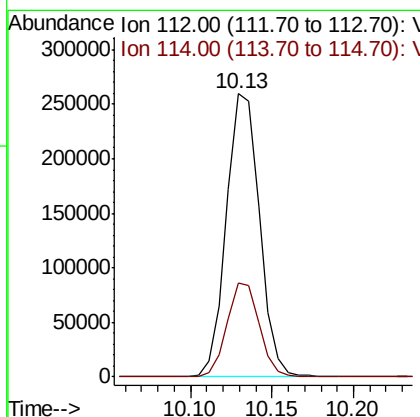
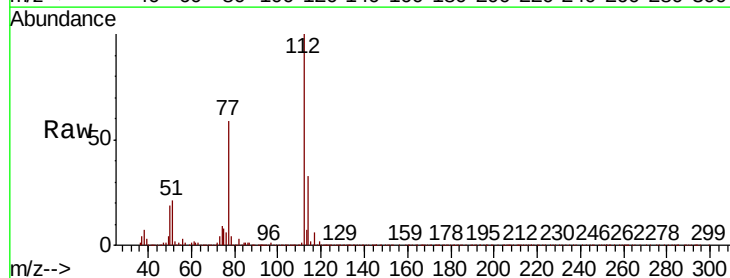
Instrument :
MSVOA_X
ClientSampleId :

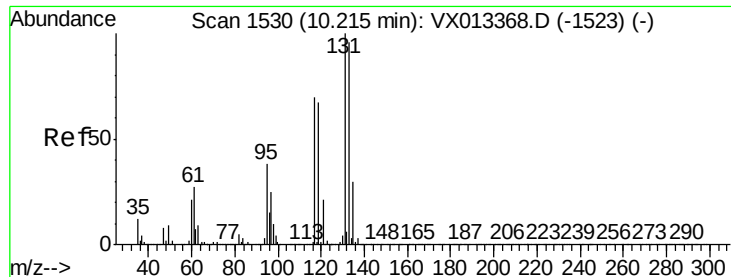
Tot Ion: 98 Resp: 668196
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#64
Chlorobenzene
Concen: 21.244 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 112 Resp: 368181
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5

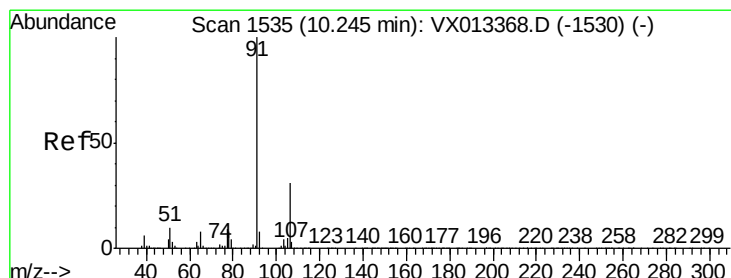
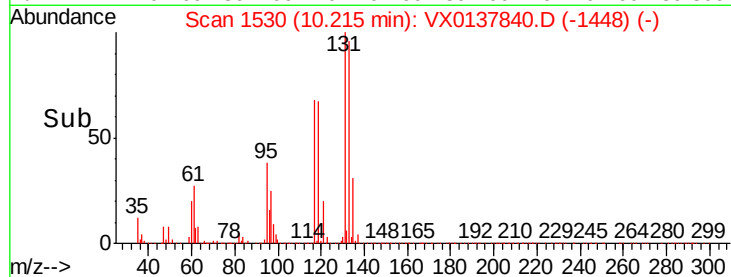
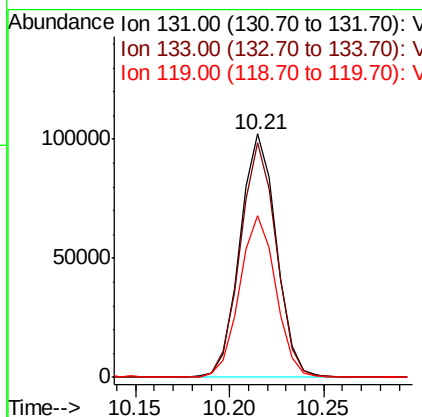
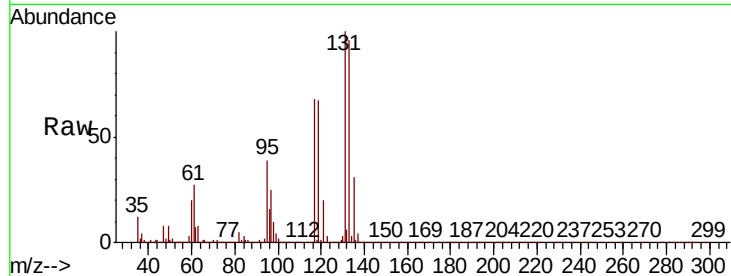




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.101 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

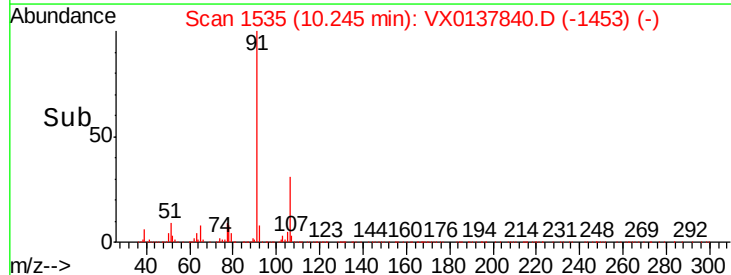
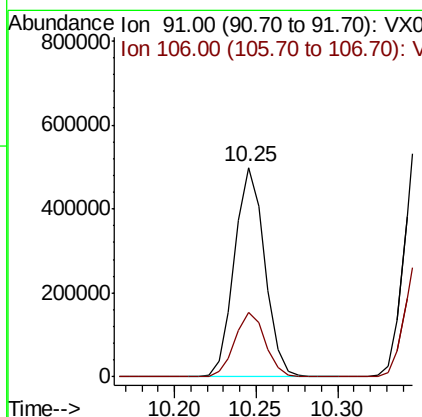
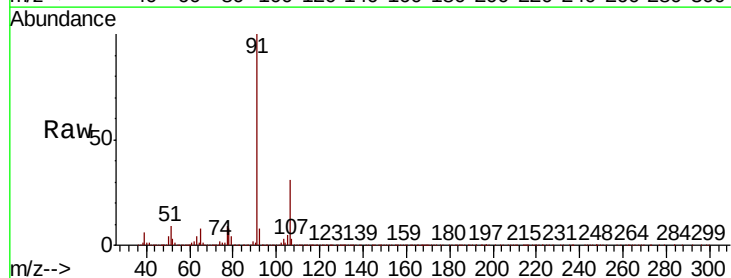
Instrument :
 MSVOA_X
 ClientSampleId :

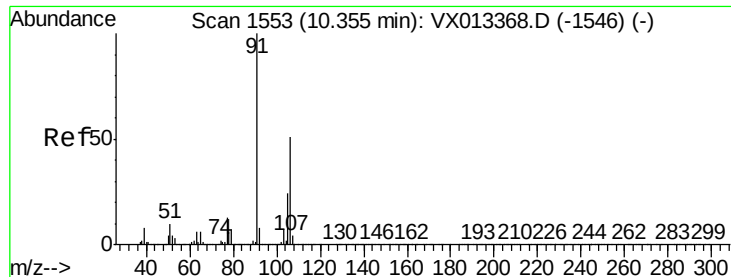
Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	192.2
119	66.3	0.0	134.4



#66
 Ethyl Benzene
 Concen: 21.215 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4

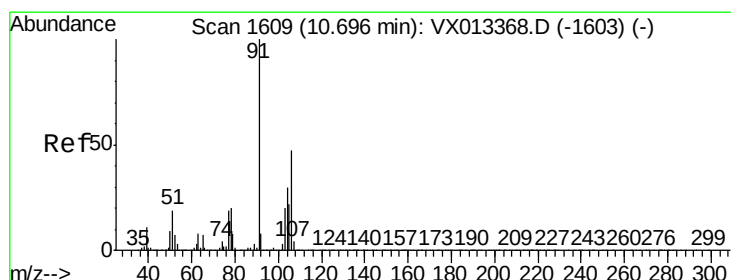
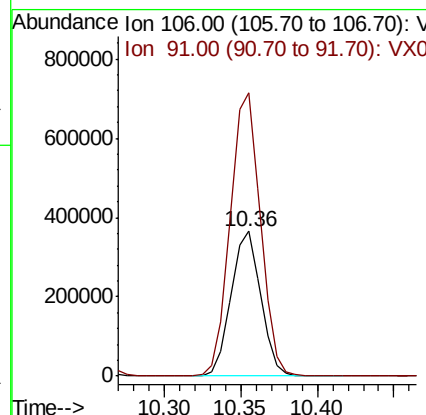
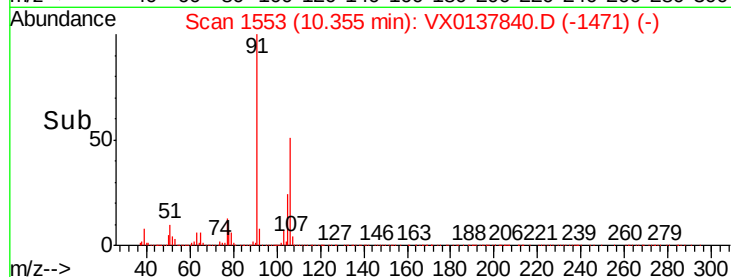
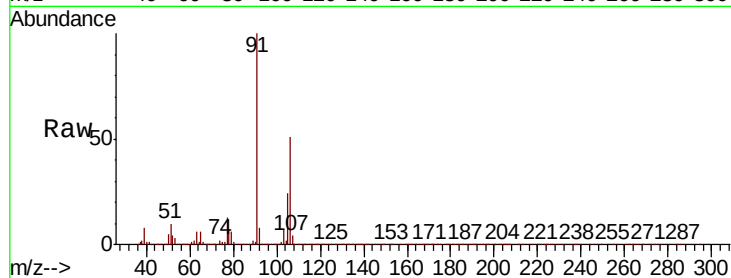




#67
m/p-Xylenes
Concen: 41.673 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

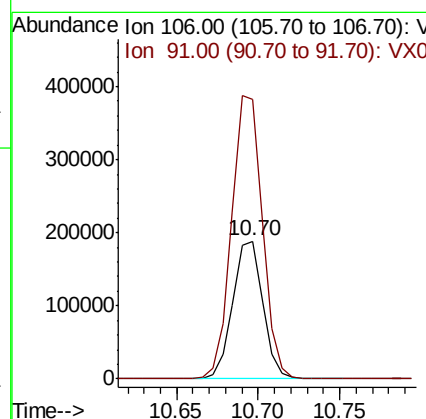
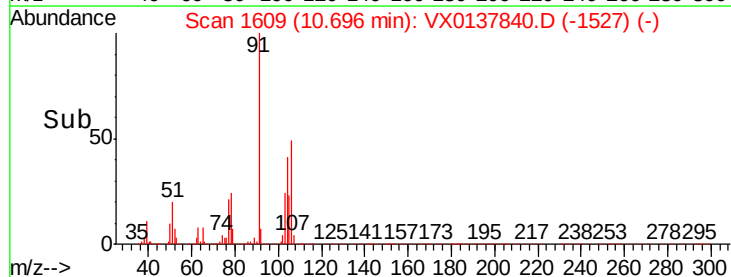
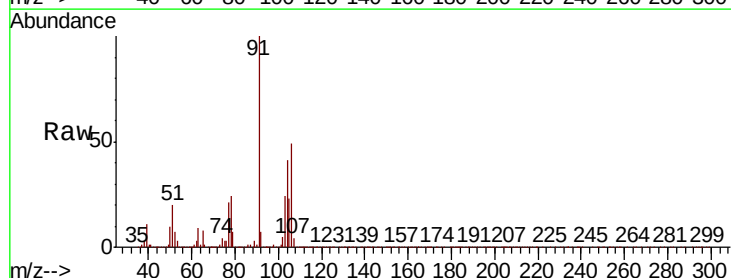
Instrument :
MSVOA_X
ClientSampleId :

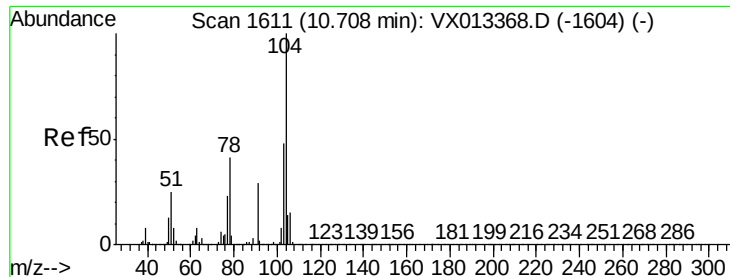
Tot Ion:106 Resp: 489505
Ion Ratio Lower Upper
106 100
91 199.5 158.4 237.6



#68
o-Xylene
Concen: 21.297 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion:106 Resp: 241419
Ion Ratio Lower Upper
106 100
91 210.1 106.4 319.2

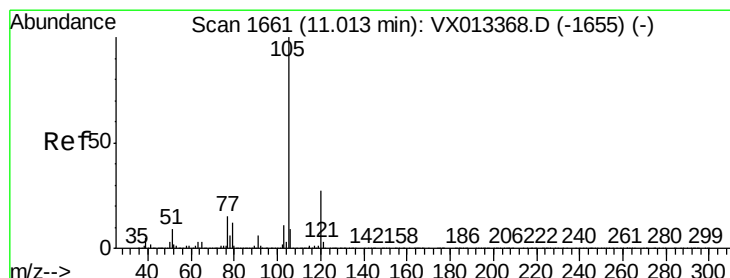
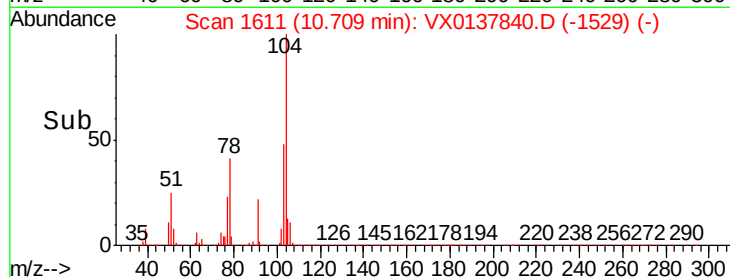
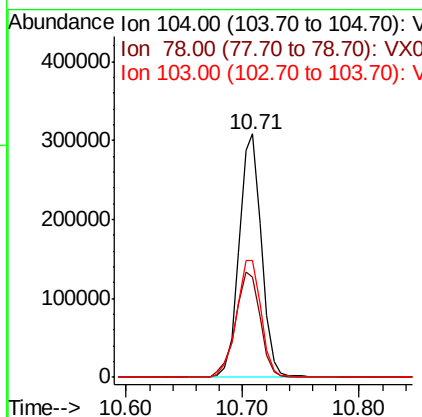
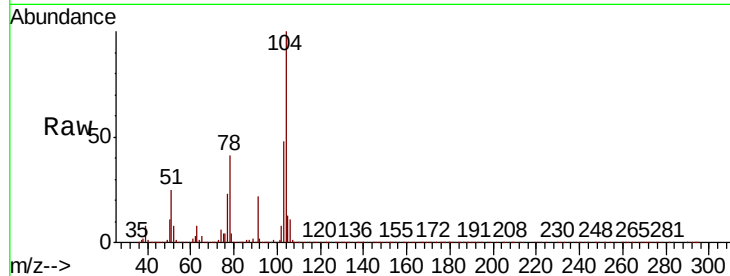




#69
Stvrene
Concen: 21.247 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

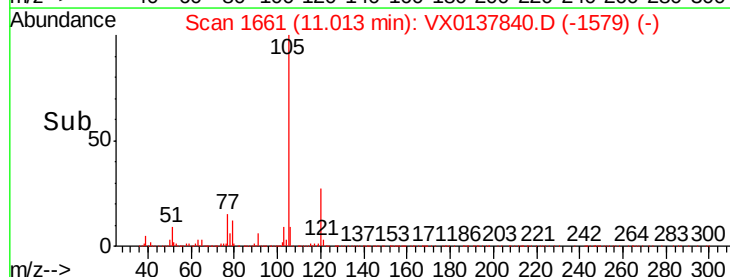
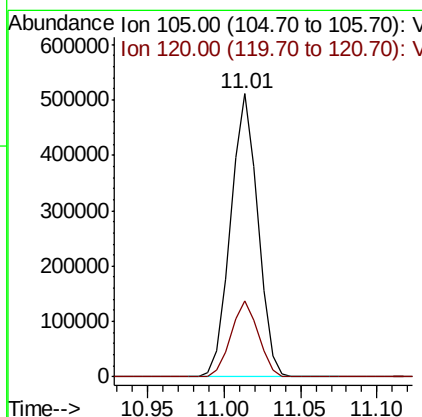
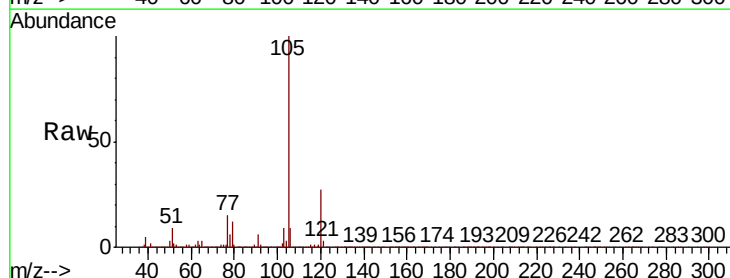
Instrument :
MSVOA_X
ClientSampleId :

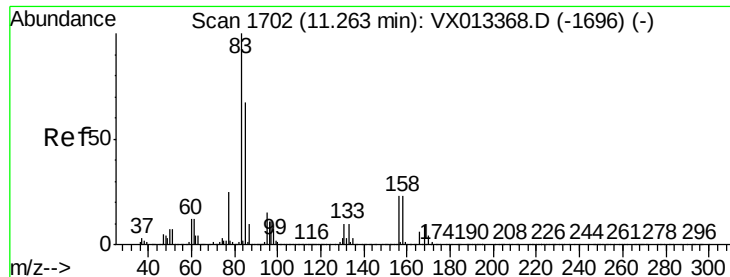
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	53.2	43.2	64.8



#70
Isopropylbenzene
Concen: 21.048 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.8	34.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.544 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

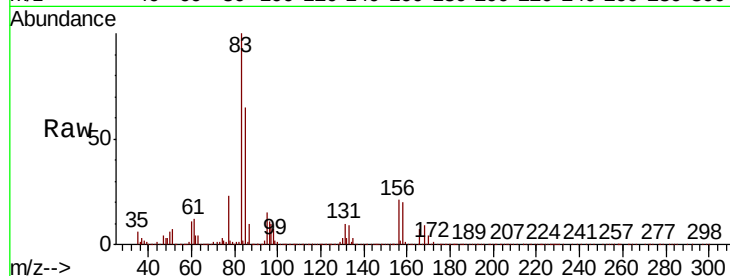
Tot Ion: 83 Resp: 219724

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

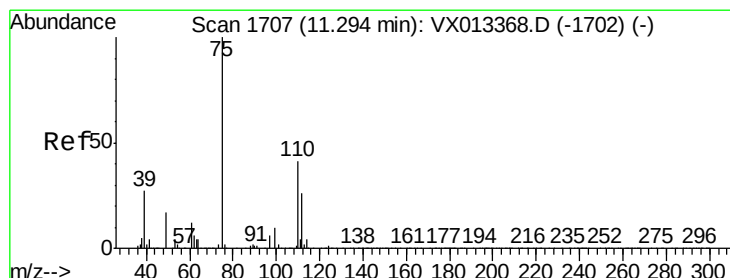
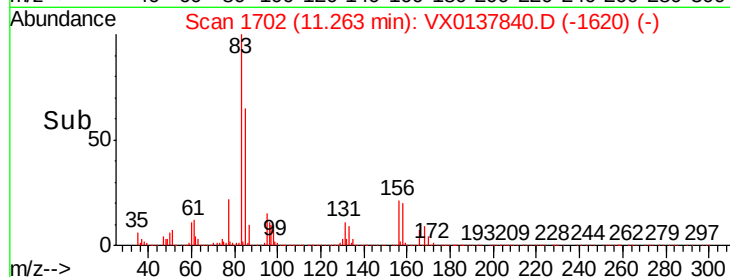
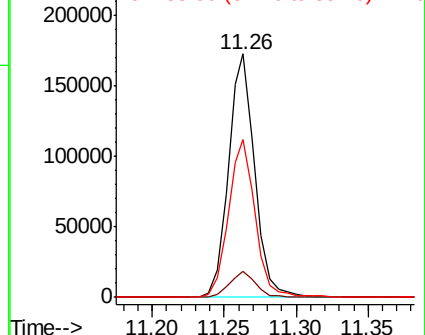
85 65.4 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 27.060 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX0137840.D

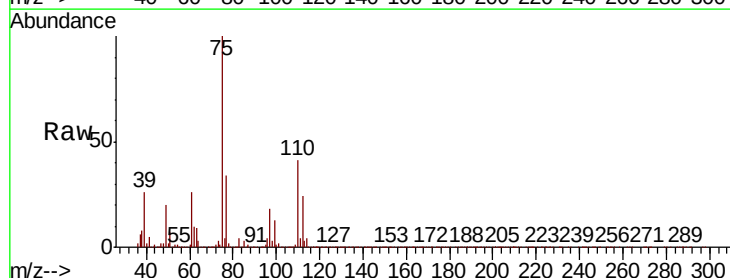
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 75 Resp: 244378

Ion Ratio Lower Upper

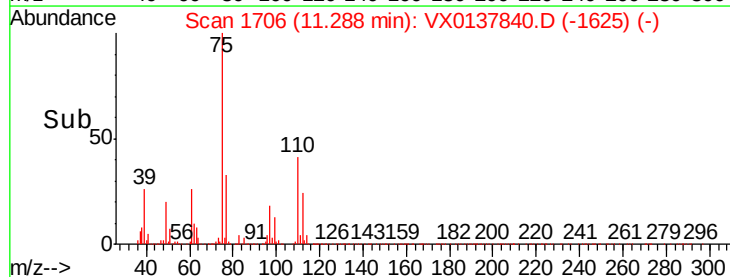
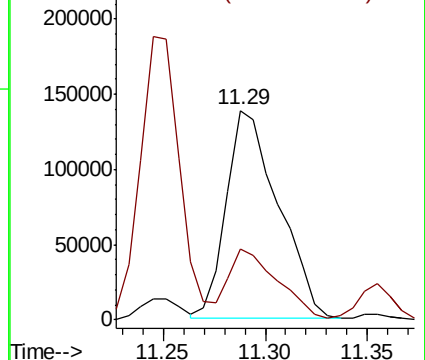
75 100

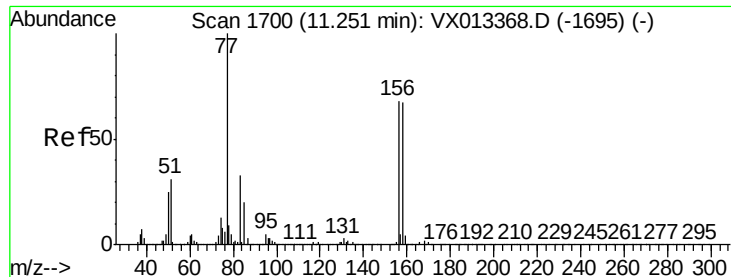
77 30.0 0.0 86.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 21.342 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

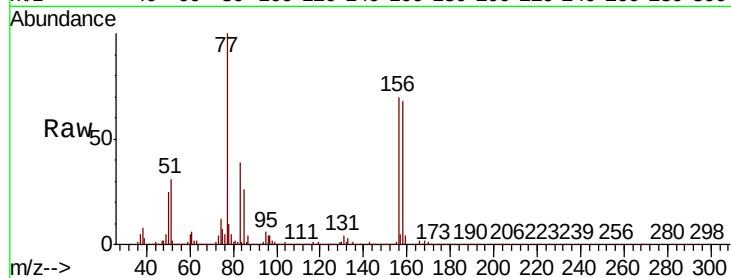
Tot Ion:156 Resp: 168118

Ion Ratio Lower Upper

156 100

77 151.0 0.0 308.8

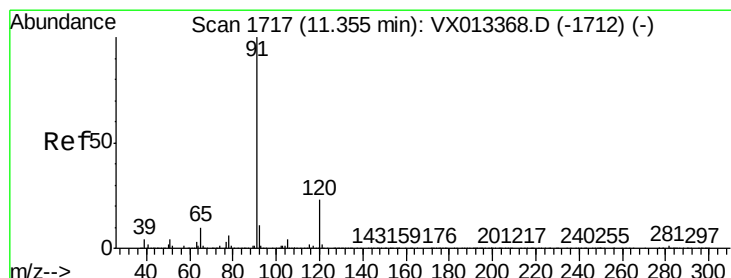
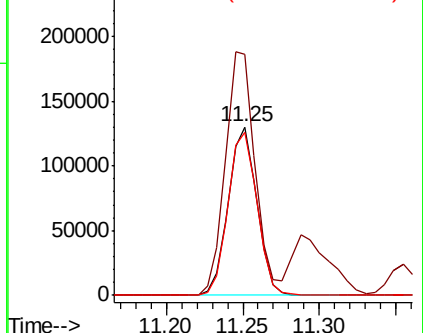
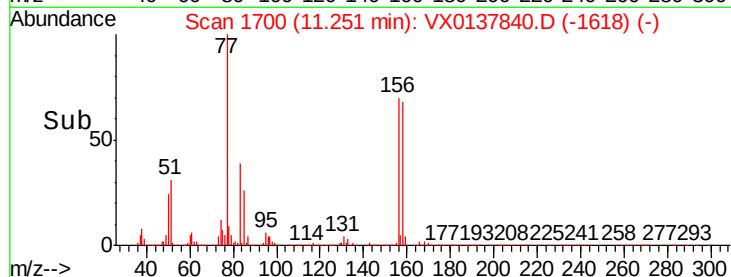
158 98.1 0.0 197.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.256 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX0137840.D

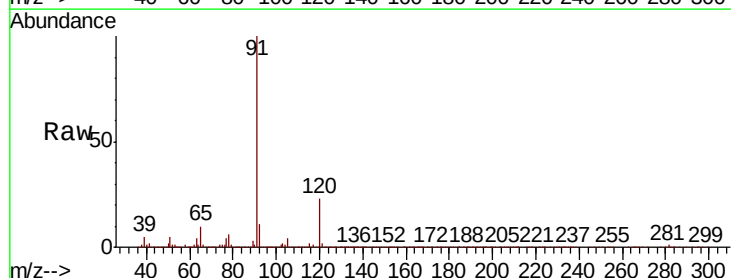
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 91 Resp: 721553

Ion Ratio Lower Upper

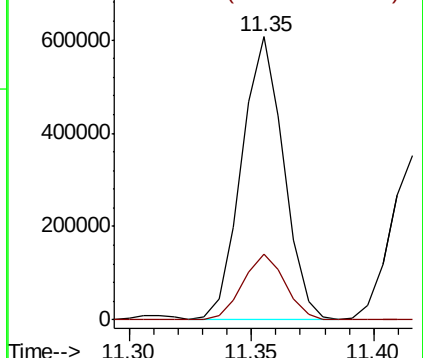
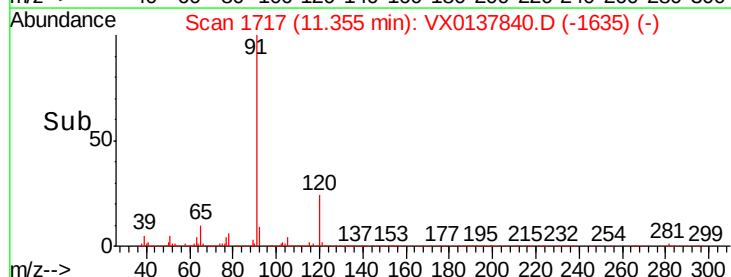
91 100

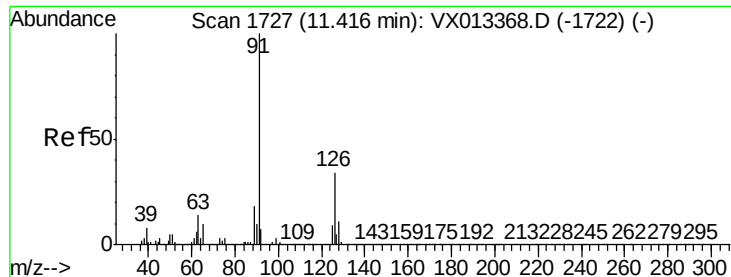
120 23.2 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

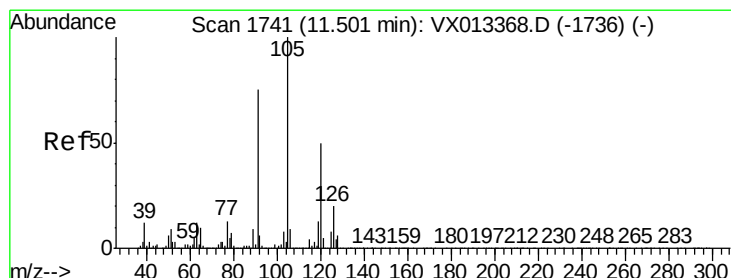
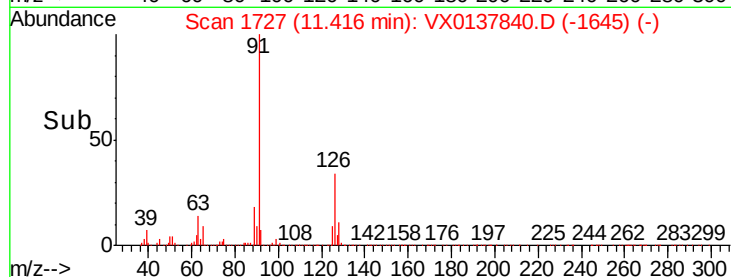
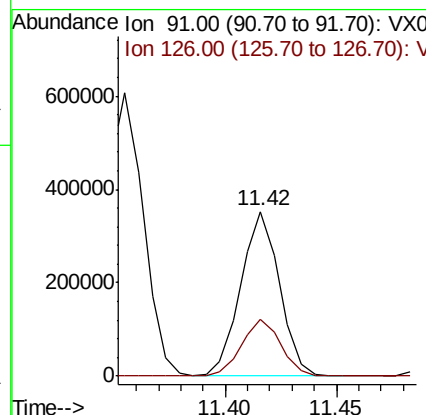
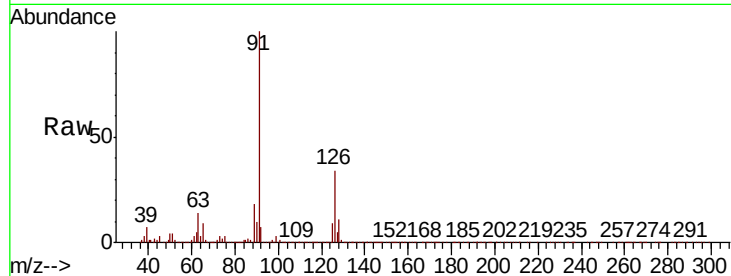




#75
2-Chlorotoluene
Concen: 21.347 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

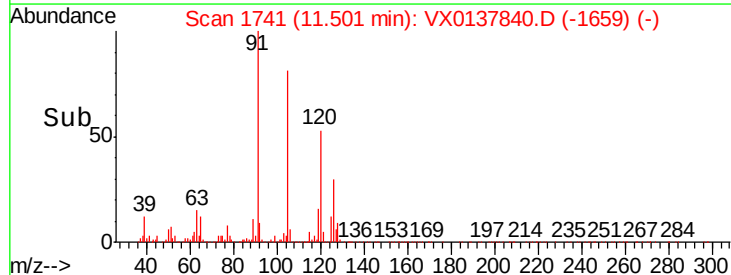
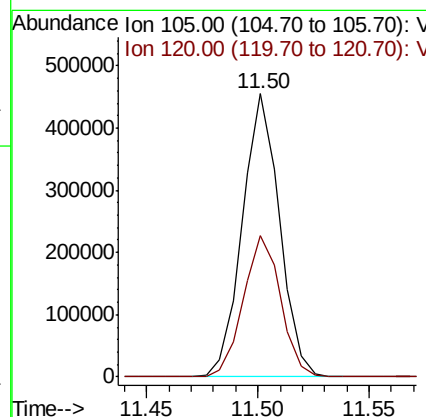
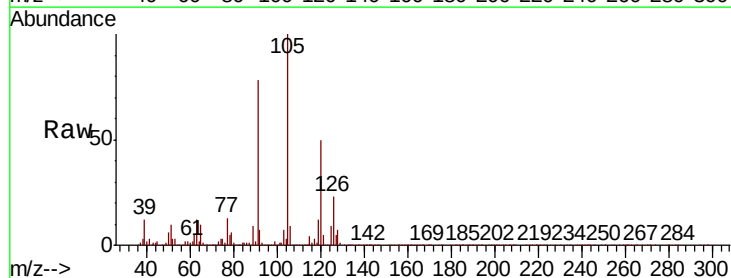
Instrument :
MSVOA_X
ClientSampleId :

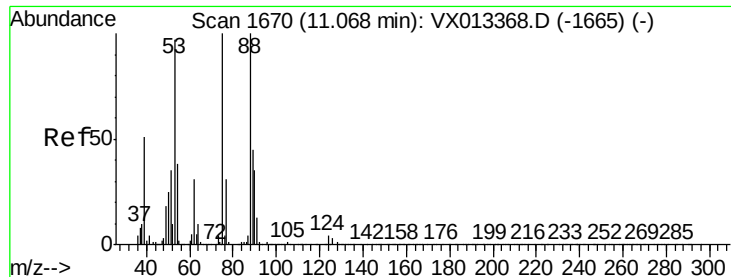
Tot Ion: 91 Resp: 430920
Ion Ratio Lower Upper
91 100
126 34.6 0.0 69.0



#76
1,3,5-Trimethylbenzene
Concen: 21.106 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 105 Resp: 529930
Ion Ratio Lower Upper
105 100
120 50.3 0.0 100.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.750 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

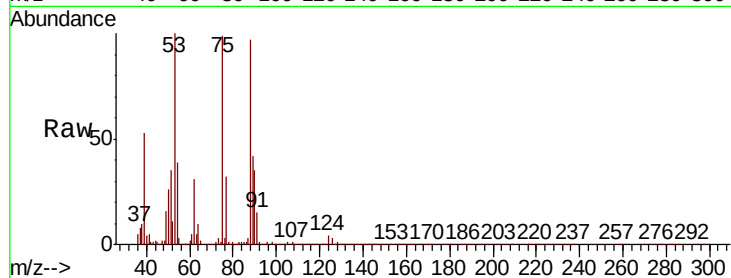
Tot Ion: 75 Resp: 68467

Ion Ratio Lower Upper

75 100

53 101.0 48.8 146.3

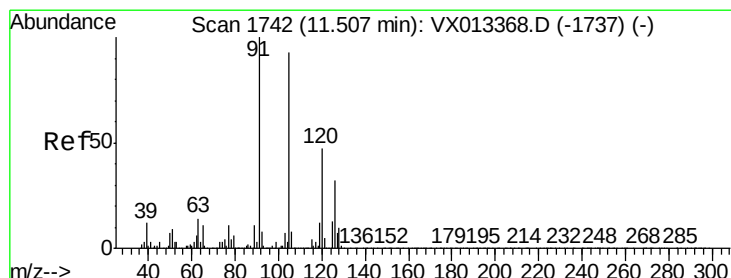
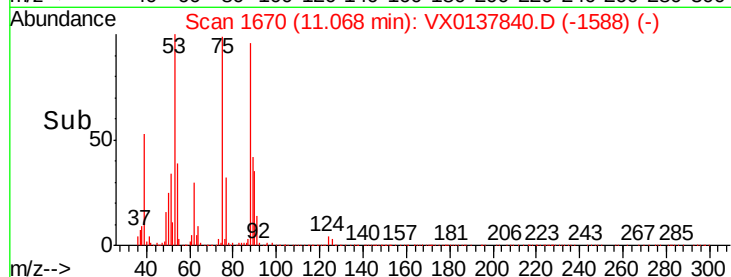
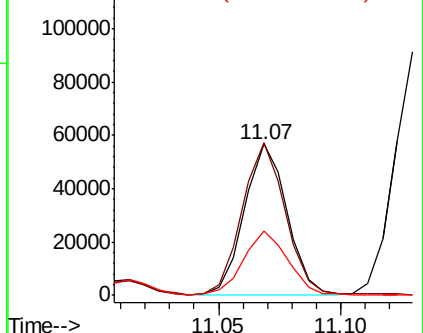
89 42.2 22.3 66.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 21.185 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX0137840.D

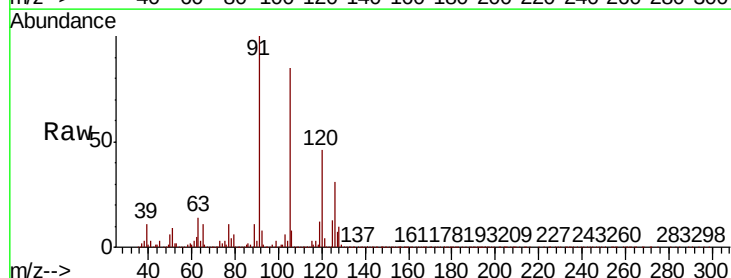
Acq: 07 Dec 2019 02:56 pm

Tgt Ion: 91 Resp: 489972

Ion Ratio Lower Upper

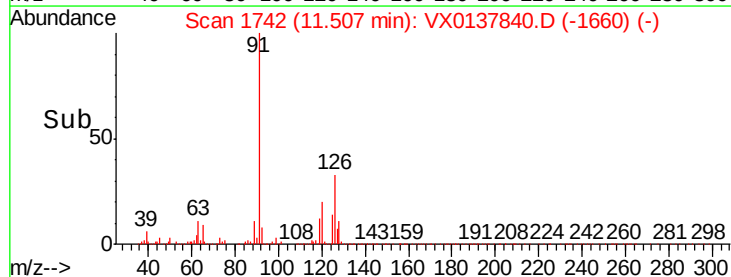
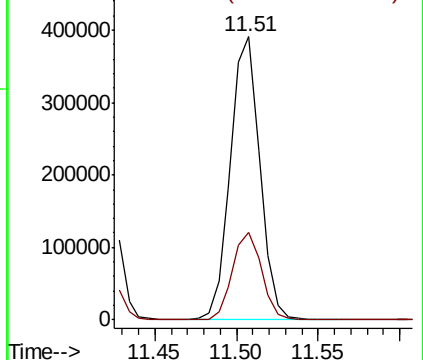
91 100

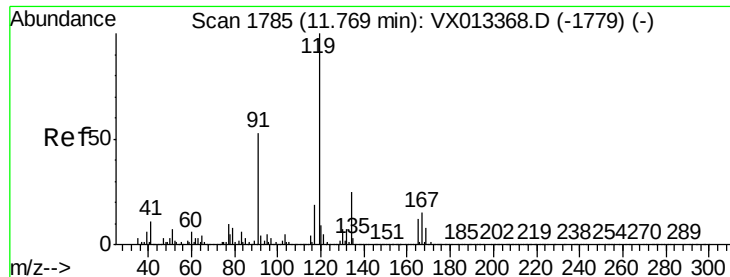
126 30.6 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.482 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

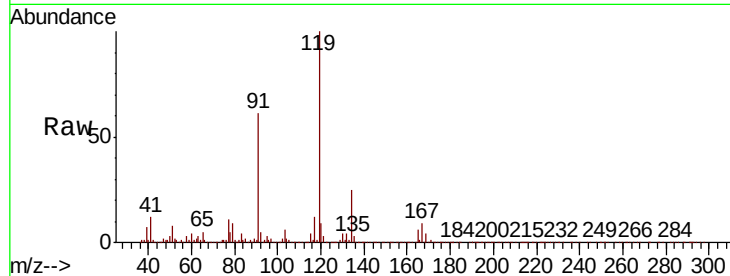
Tot Ion:119 Resp: 518870

Ion Ratio Lower Upper

119 100

91 56.5 0.0 109.6

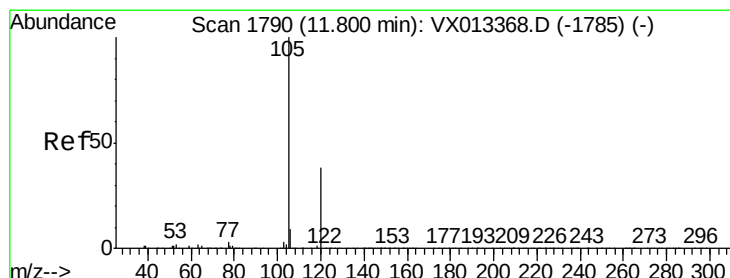
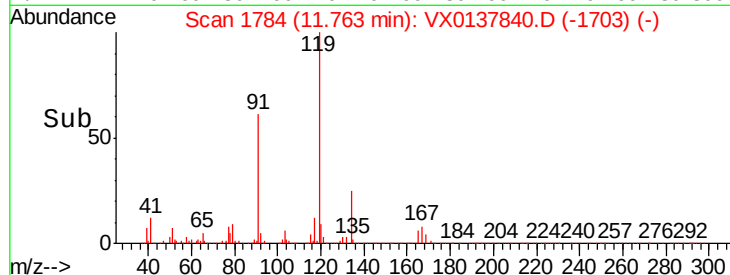
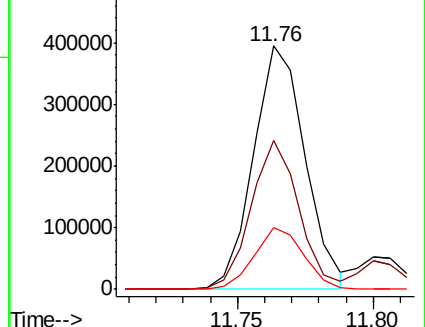
134 24.4 0.0 47.8



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



#80

1,2,4-Trimethylbenzene

Concen: 21.120 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX0137840.D

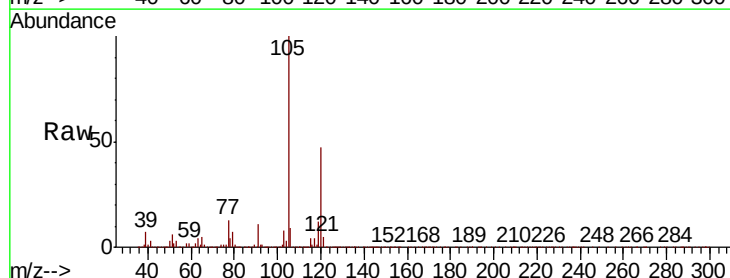
Acq: 07 Dec 2019 02:56 pm

Tgt Ion:105 Resp: 528426

Ion Ratio Lower Upper

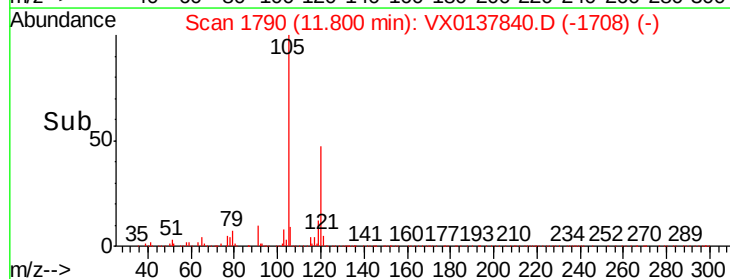
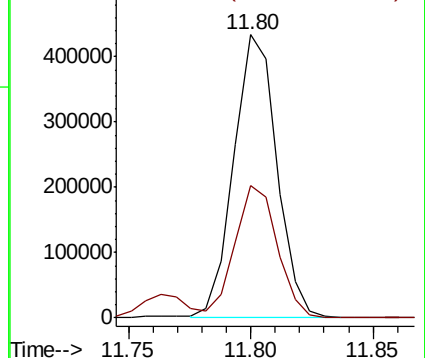
105 100

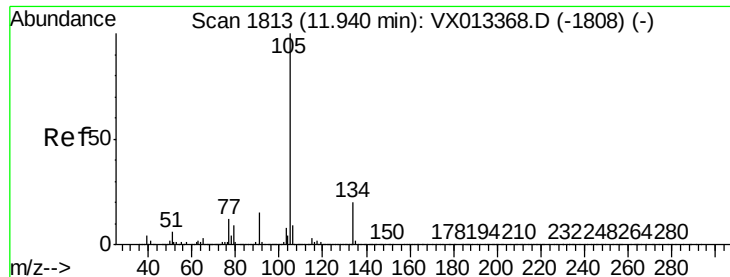
120 46.4 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 21.321 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

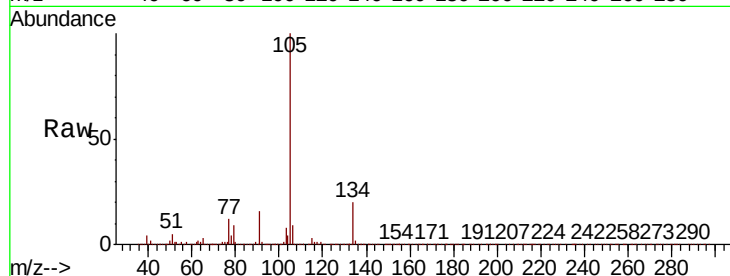
ClientSampled :

Tot Ion:105 Resp: 616244

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

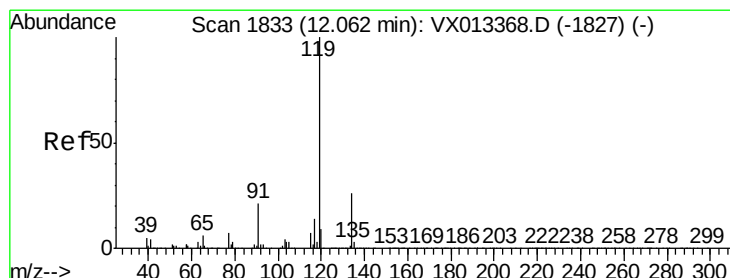
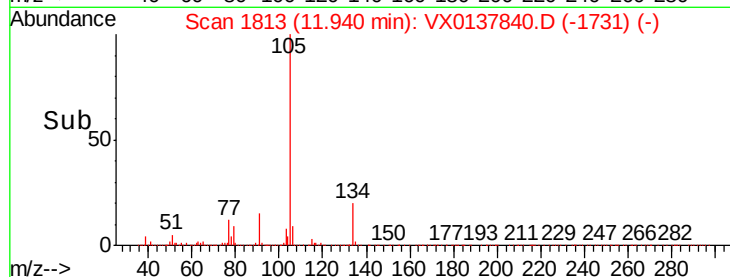
200000

100000

0

11.90 11.95 12.00

Time-->



#82

p-Isopropyltoluene

Concen: 20.839 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

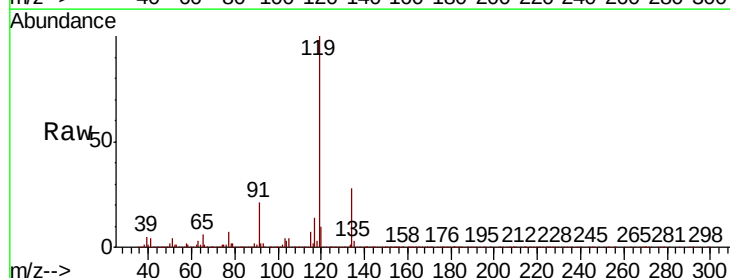
Tgt Ion:119 Resp: 554935

Ion Ratio Lower Upper

119 100

134 27.1 0.0 51.6

91 22.8 0.0 44.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

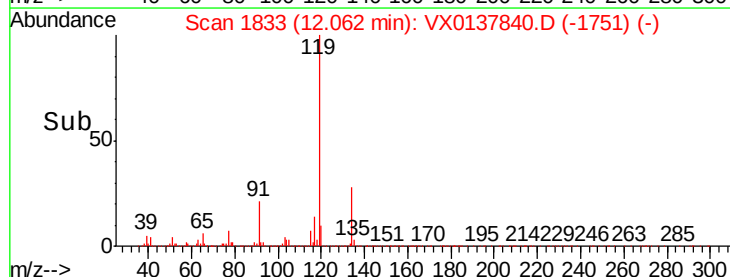
200000

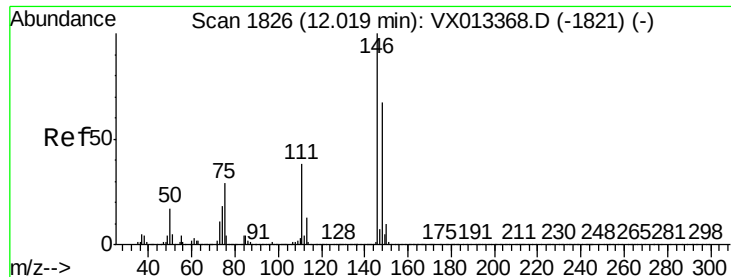
100000

0

12.00 12.05 12.10

Time-->

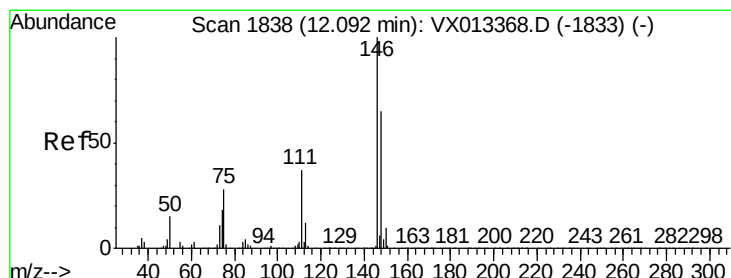
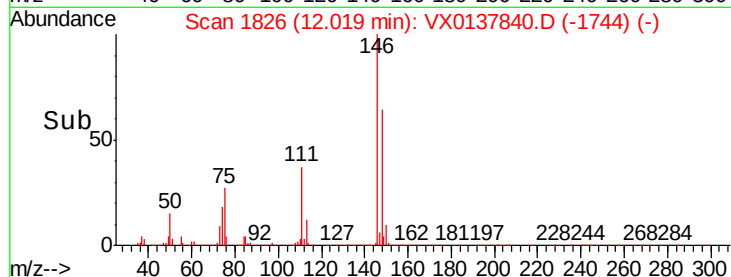
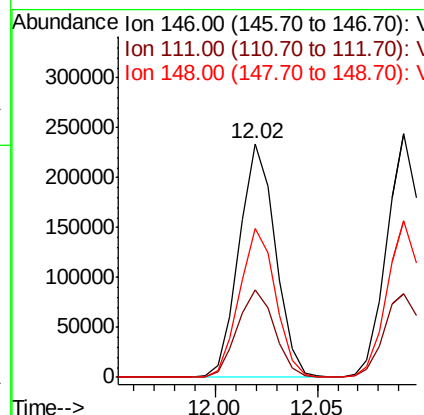
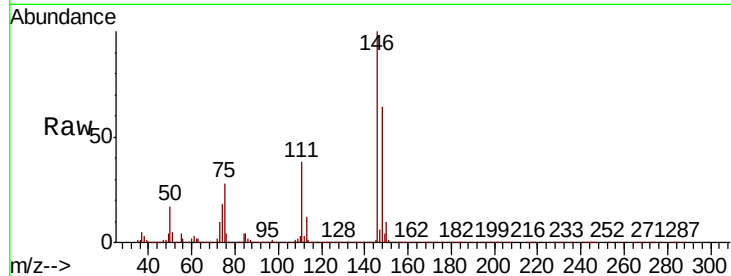




#83
 1,3-Dichlorobenzene
 Concen: 20.877 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

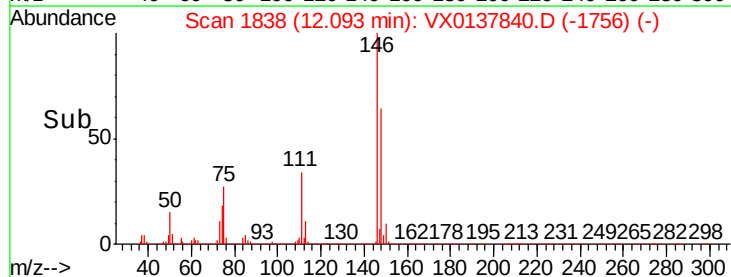
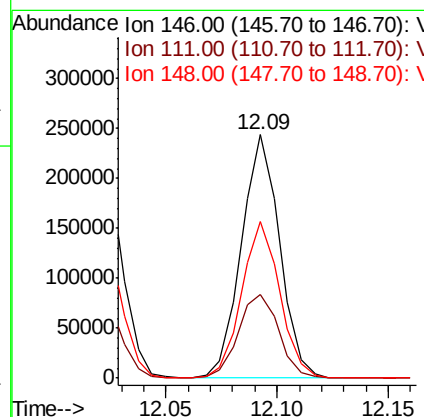
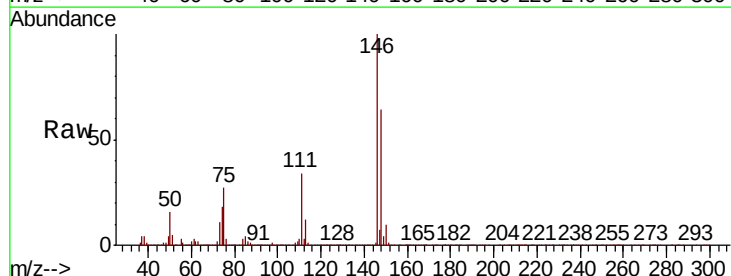
Instrument :
 MSVOA_X
 ClientSampleId :

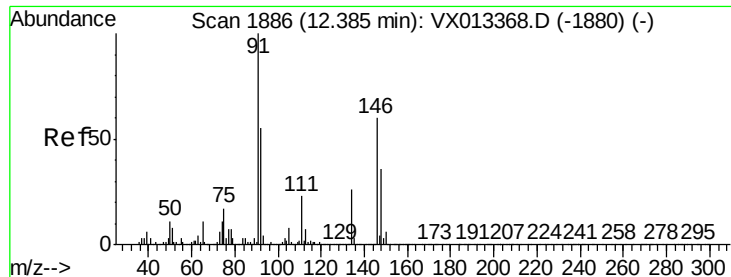
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.5	32.3	96.9



#84
 1,4-Dichlorobenzene
 Concen: 21.249 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.6	55.6
148	63.9	32.5	97.4





#85

n-Butylbenzene

Concen: 20.647 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX0137840.D

Acq: 07 Dec 2019 02:56 pm

Instrument :

MSVOA_X

ClientSampleId :

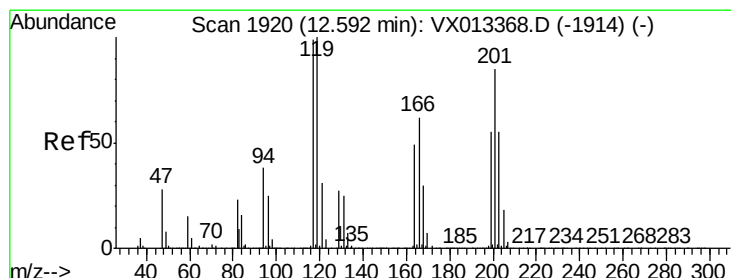
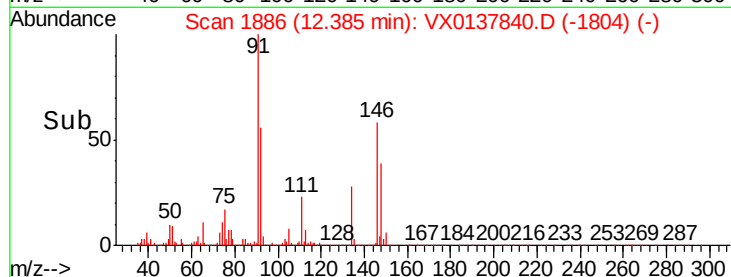
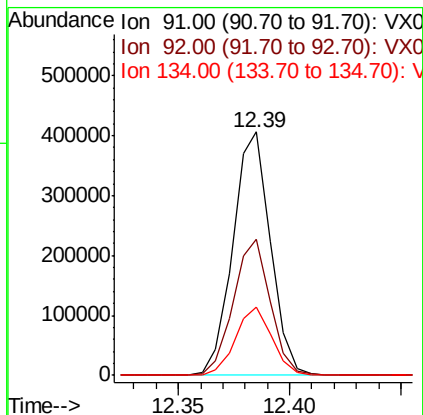
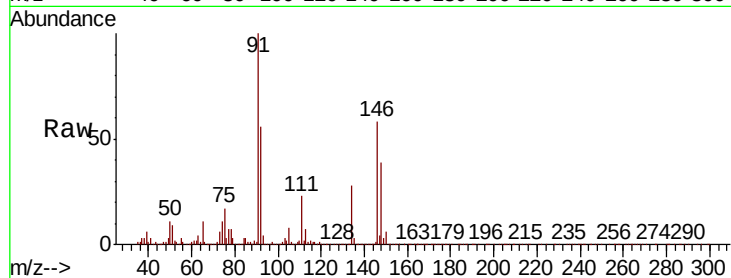
Tot Ion: 91 Resp: 474543

Ion Ratio Lower Upper

91 100

92 55.2 0.0 109.0

134 27.3 0.0 53.0



#86

Hexachloroethane

Concen: 20.163 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX0137840.D

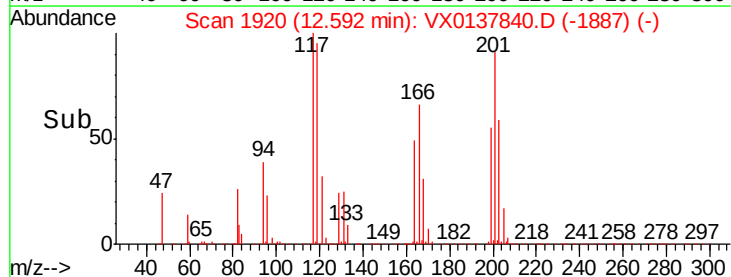
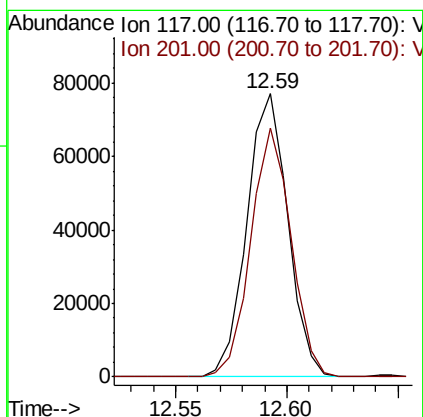
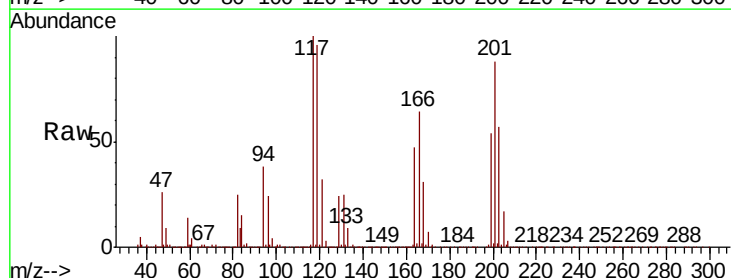
Acq: 07 Dec 2019 02:56 pm

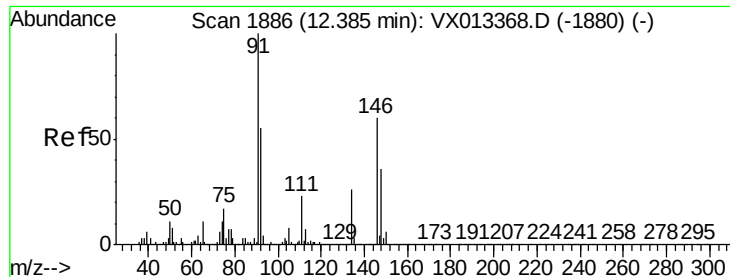
Tgt Ion: 117 Resp: 98529

Ion Ratio Lower Upper

117 100

201 86.5 44.5 133.3

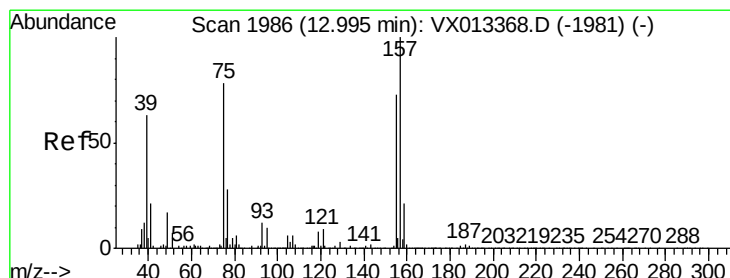
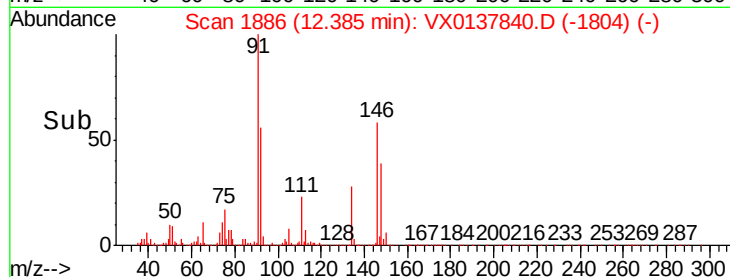
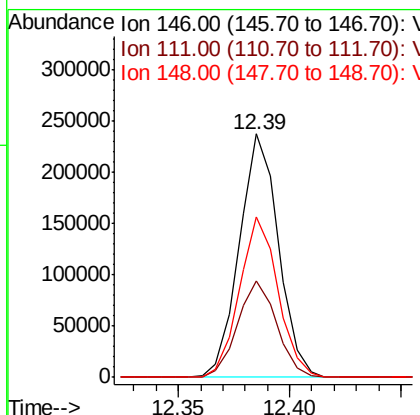
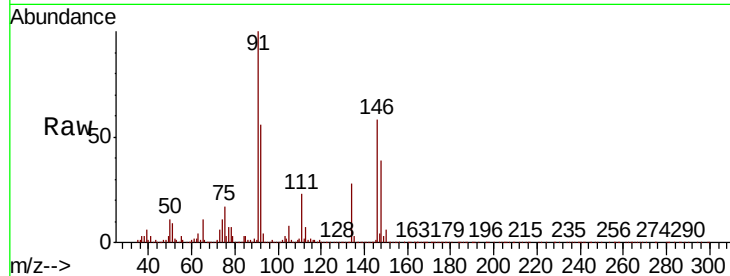




#87
 1,2-Dichlorobenzene
 Concen: 20.971 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

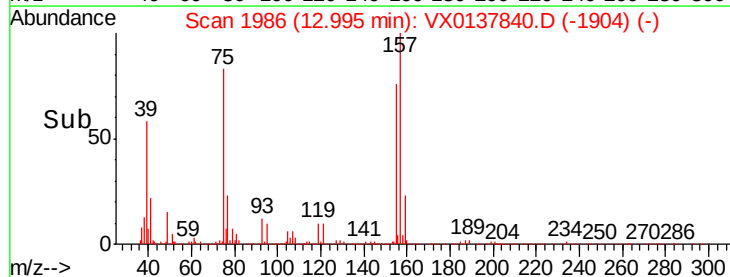
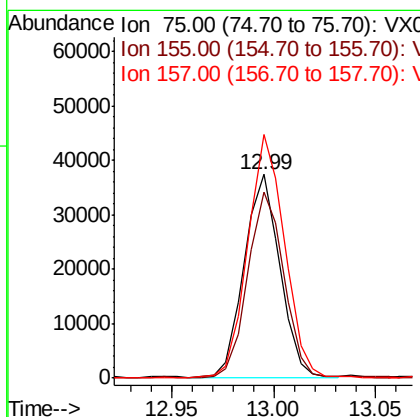
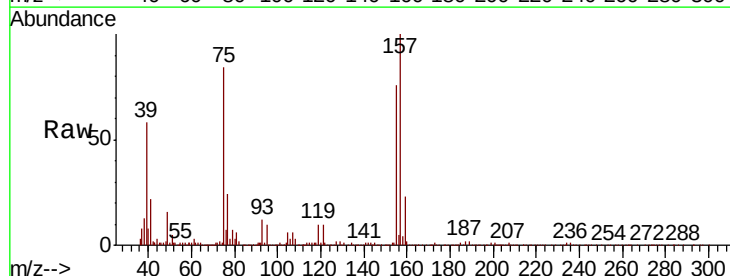
Instrument :
 MSVOA_X
 ClientSampleId :

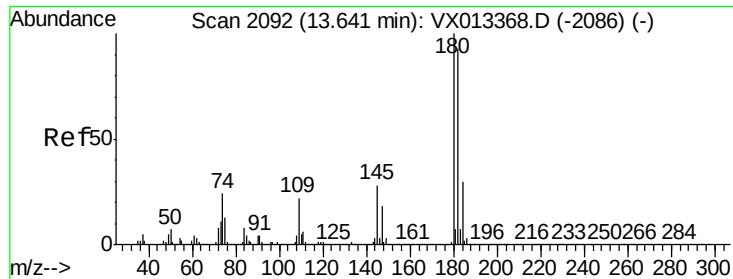
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	65.0	31.6	94.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.146 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	76.9	115.3
157	122.4	101.2	151.8

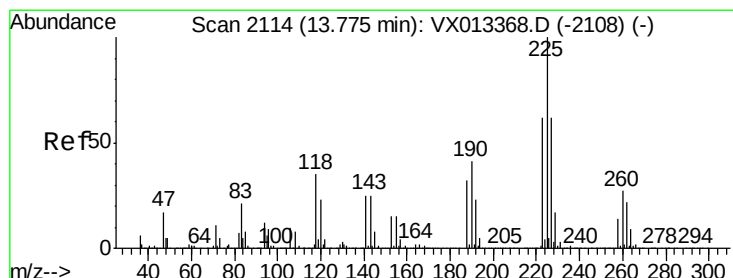
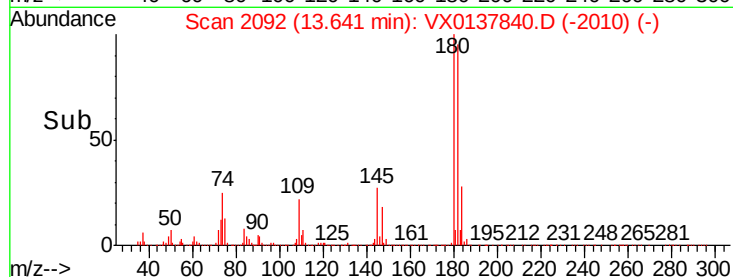
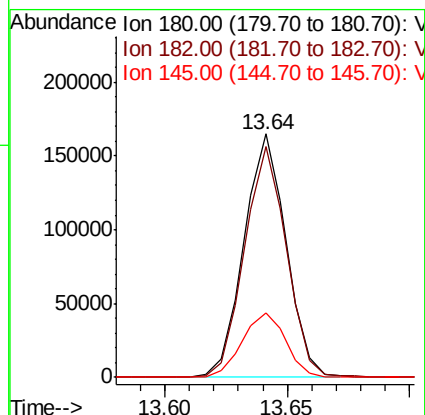
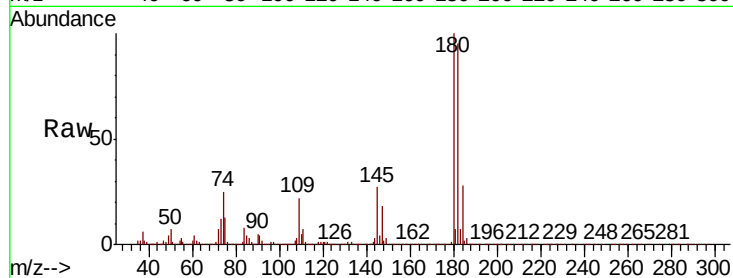




#89
 1,2,4-Trichlorobenzene
 Concen: 20.711 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

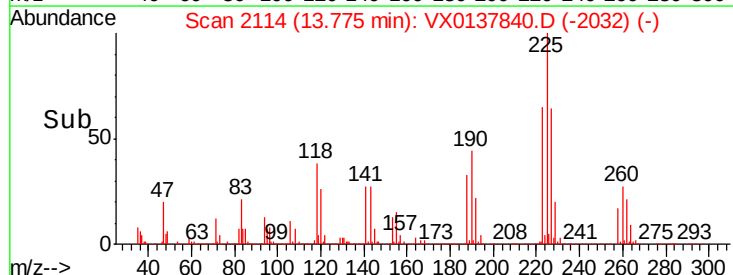
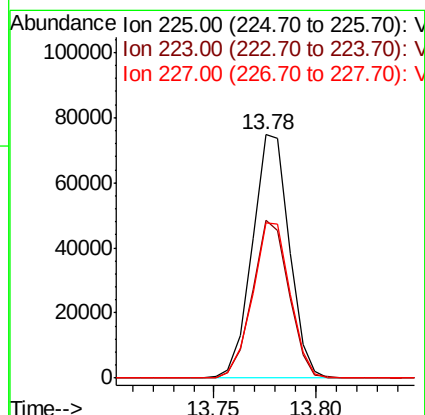
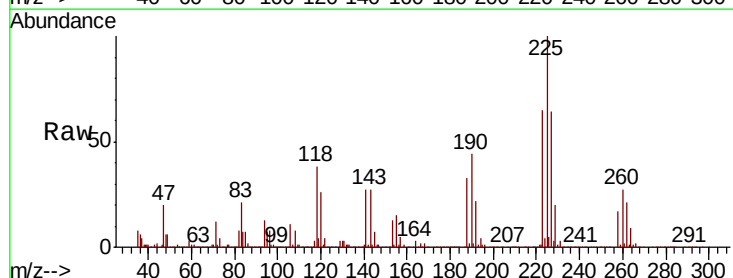
Instrument :
 MSVOA_X
 ClientSampleId :

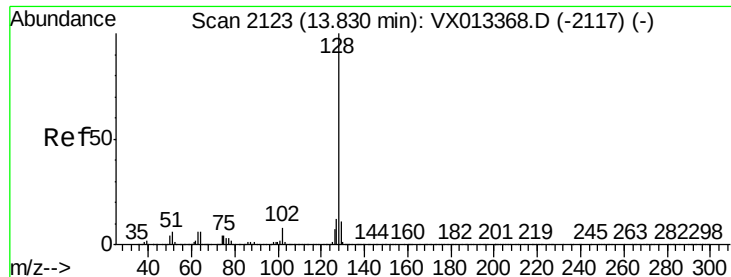
Tot Ion:180 Resp: 197765
 Ion Ratio Lower Upper
 180 100
 182 94.5 74.7 112.1
 145 27.3 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 20.652 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX0137840.D
 Acq: 07 Dec 2019 02:56 pm

Tgt Ion:225 Resp: 94498
 Ion Ratio Lower Upper
 225 100
 223 63.9 0.0 123.0
 227 64.5 0.0 121.8

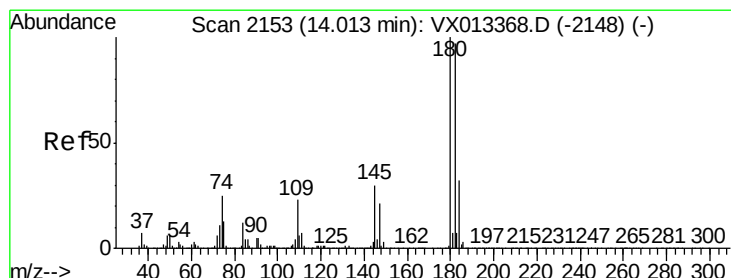
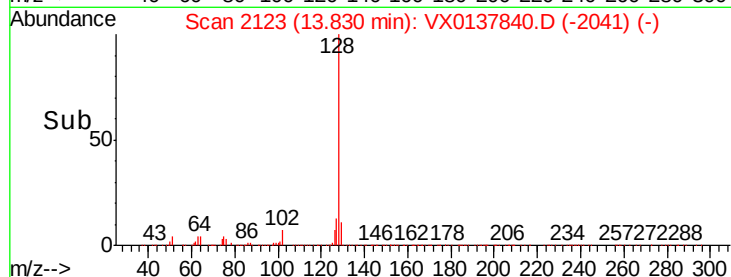
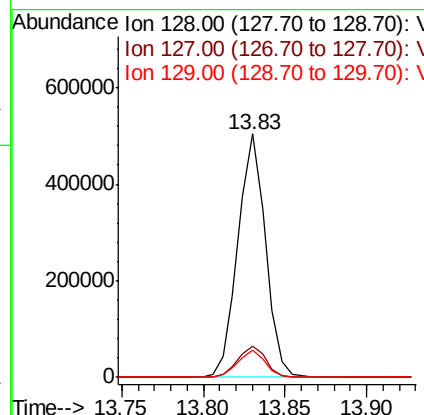
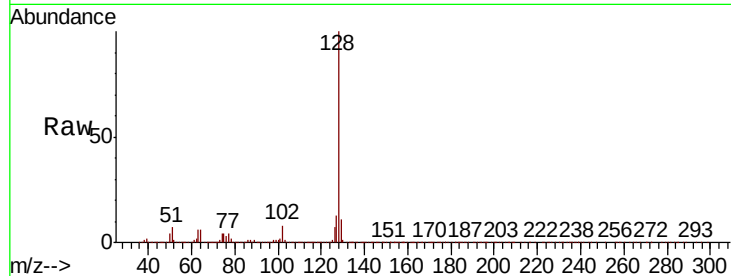




#91
Naphthalene
Concen: 19.682 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 595050
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 20.605 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX0137840.D
Acq: 07 Dec 2019 02:56 pm

Tgt Ion:180 Resp: 198835
Ion Ratio Lower Upper
180 100
182 95.1 0.0 191.0
145 29.7 0.0 59.0

