

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX0137839.D
 Acq On : 07 Dec 2019 02:22 pm
 Operator : JC/SP
 Sample : VX1207WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 09 02:11:58 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	103087	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	557712	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	509597	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	218518	28.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.70%
60) 4-Bromofluorobenzene	11.13	95	244586	29.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.53%
63) Toluene-d8	8.71	98	682697	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	147307	19.072	ug/l 98
3) Chloromethane	1.32	50	163607	19.436	ug/l 99
4) Vinyl Chloride	1.40	62	184180	19.256	ug/l 99
5) Bromomethane	1.63	94	108399	18.851	ug/l 98
6) Chloroethane	1.72	64	106324	20.222	ug/l 97
7) Trichlorofluoromethane	1.92	101	193932	18.833	ug/l 99
8) Diethyl Ether	2.18	74	100345	21.342	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	123338	19.908	ug/l 99
10) 1,1-Dichloroethene	2.37	96	120374	18.907	ug/l 97
11) Methyl Iodide	2.50	142	134339	17.089	ug/l 98
12) Methyl Acetate	2.76	43	225744	20.235	ug/l 99
13) Acrolein	2.28	56	108641	91.677	ug/l 97
14) Acrylonitrile	3.13	53	393054	95.811	ug/l 98
15) Acetone	2.43	58	129271	104.042	ug/l 96
16) Carbon Disulfide	2.56	76	316173	17.805	ug/l 100
17) Allyl chloride	2.72	41	222032	18.937	ug/l 97
18) Methylene Chloride	2.85	84	149163	20.650	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	132456	19.467	ug/l 99
20) Diisopropyl ether	3.84	45	465972	20.658	ug/l # 86
21) 1,1-Dichloroethane	3.69	63	249013	20.268	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	157957	20.362	ug/l 98
23) tert-Butyl Alcohol	3.03	59	176800	89.552	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	436135	20.698	ug/l 99
25) Chloroform	5.20	83	241685	20.097	ug/l 99
26) Cyclohexane	5.57	56	211413	18.949	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	171893	20.179	ug/l 99
30) 2-Butanone	4.65	43	582409	103.583	ug/l 100
31) 2,2-Dichloropropane	4.58	77	193961	21.025	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	193946	20.484	ug/l 99
33) Carbon Tetrachloride	5.77	117	164339	19.983	ug/l 98
34) Benzene	6.13	78	563704	21.817	ug/l 99
35) Methacrylonitrile	5.03	41	119336	21.254	ug/l 97
36) 1,2-Dichloroethane	6.18	62	199582	22.068	ug/l 99
37) Trichloroethene	7.20	130	148030	21.385	ug/l 95
38) Methylcyclohexane	7.45	83	211477	20.247	ug/l 98
39) 1,2-Dichloropropane	7.50	63	143755	21.518	ug/l 98
40) Dibromomethane	7.65	93	97043	21.826	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	188657	21.736	ug/l	96
42) Vinyl Acetate	3.80	43	1911907	108.004	ug/l	100
43) Ethyl Acetate	4.81	43	213812	20.850	ug/l	98
44) Isopropyl Acetate	6.43	43	338982	20.564	ug/l	98
45) 1,4-Dioxane	7.73	88	71146	390.925	ug/l	98
46) Methyl methacrylate	7.76	41	169955	20.727	ug/l	98
47) n-amyl Acetate	10.89	43	298034	20.612	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	204469	21.009	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	229280	21.500	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	145649	22.138	ug/l	95
51) Ethyl methacrylate	9.17	69	233374	21.544	ug/l	98
52) 1,3-Dichloropropane	9.37	76	247374	21.994	ug/l	99
53) Dibromochloromethane	9.57	129	149112	21.384	ug/l	98
54) 1,2-Dibromoethane	9.67	107	155941	22.166	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	432487	93.439	ug/l	99
56) Bromoform	10.85	173	114767	20.682	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1092306	102.606	ug/l	99
59) 2-Hexanone	9.48	43	849666	100.873	ug/l	99
61) Tetrachloroethene	9.33	164	133330	21.218	ug/l	98
62) Toluene	8.78	91	606057	21.351	ug/l	99
64) Chlorobenzene	10.14	112	381597	21.501	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	139862	21.052	ug/l	99
66) Ethyl Benzene	10.25	91	658308	21.110	ug/l	100
67) m/p-Xylenes	10.35	106	501664	41.704	ug/l	97
68) o-Xylene	10.70	106	248259	21.385	ug/l	97
69) Styrene	10.71	104	425199	21.449	ug/l	100
70) Isopropylbenzene	11.01	105	643997	21.052	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	231784	21.162	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	254260	27.493	ug/l	78
73) Bromobenzene	11.25	156	171871	21.305	ug/l	98
74) n-propylbenzene	11.35	91	729243	20.977	ug/l	100
75) 2-Chlorotoluene	11.42	91	441996	21.381	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	543339	21.131	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	71125	19.020	ug/l	99
78) 4-Chlorotoluene	11.51	91	499076	21.071	ug/l	99
79) tert-butylbenzene	11.76	119	527901	20.349	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	544987	21.269	ug/l	100
81) sec-Butylbenzene	11.94	105	605485	20.456	ug/l	99
82) p-Isopropyltoluene	12.06	119	570073	20.904	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	302779	21.348	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	302201	21.466	ug/l	97
85) n-Butylbenzene	12.39	91	467609	19.867	ug/l	98
86) Hexachloroethane	12.59	117	97072	19.397	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	303894	21.428	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	48779	19.914	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	198741	20.324	ug/l	98
90) Hexachlorobutadiene	13.78	225	93776	20.013	ug/l	99
91) Naphthalene	13.83	128	603336	19.487	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	202527	20.494	ug/l	99

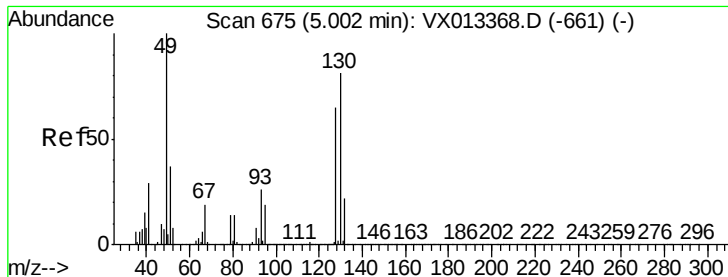
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :
MSVOA_X
ClientSampleId :

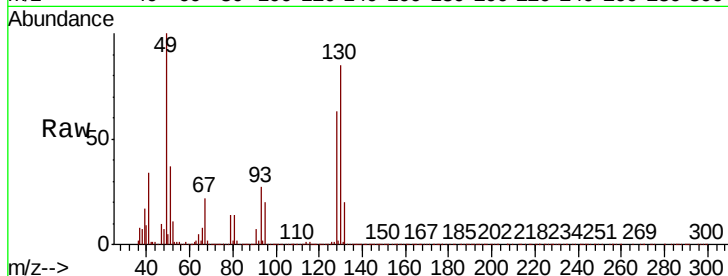
Tot Ion:128 Resp: 103087

Ion Ratio Lower Upper

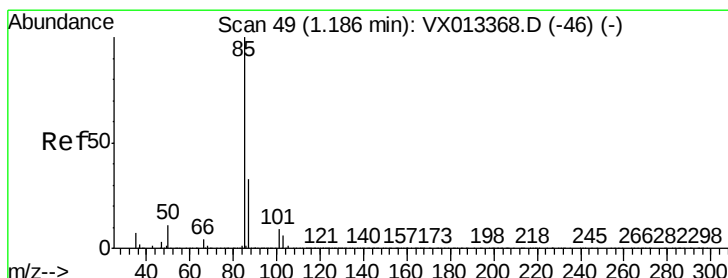
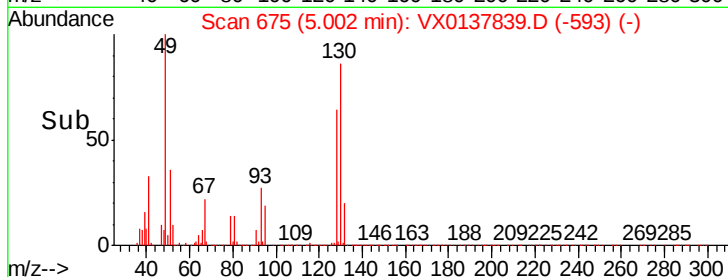
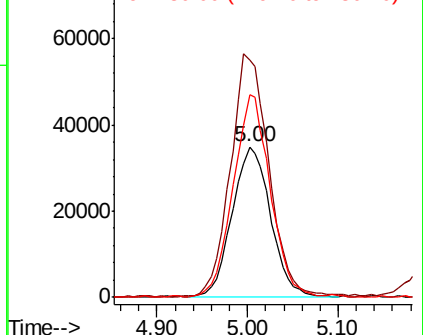
128 100

49 158.0 0.0 388.3

130 128.8 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: 19.072 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX0137839.D

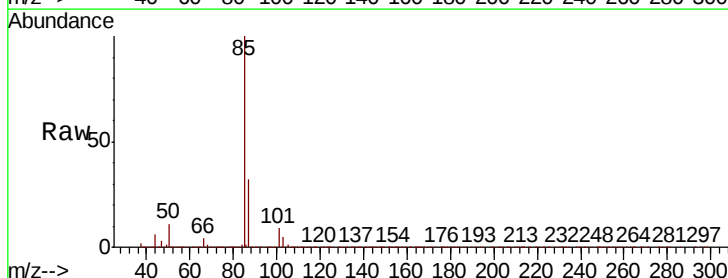
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 85 Resp: 147307

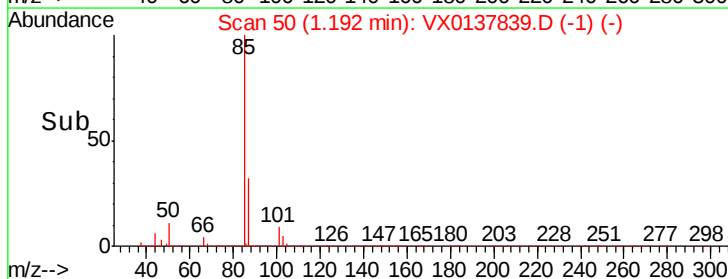
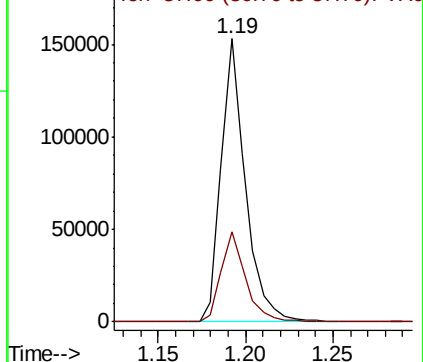
Ion Ratio Lower Upper

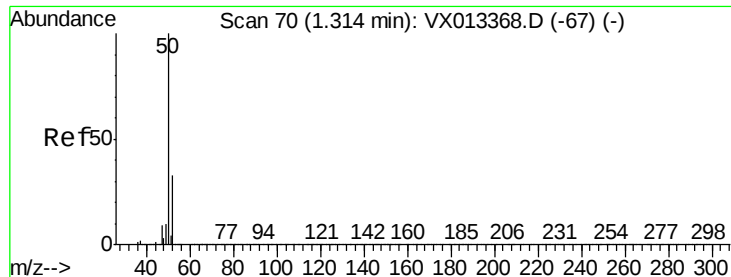
85 100

87 31.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

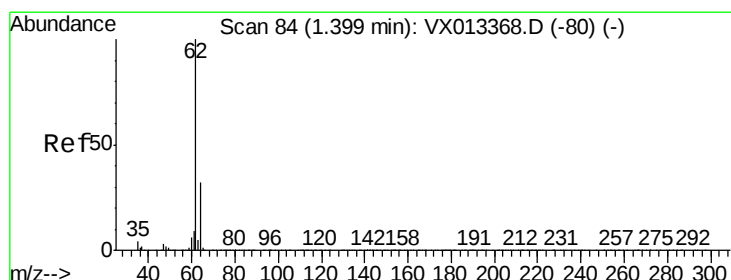
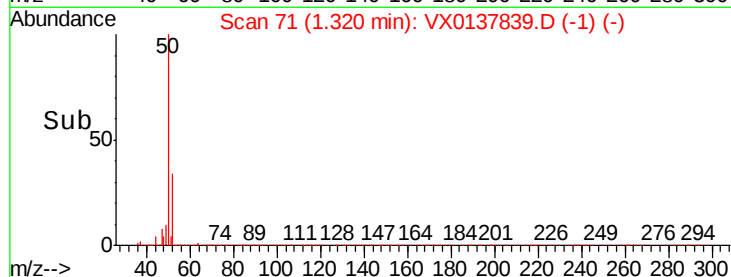
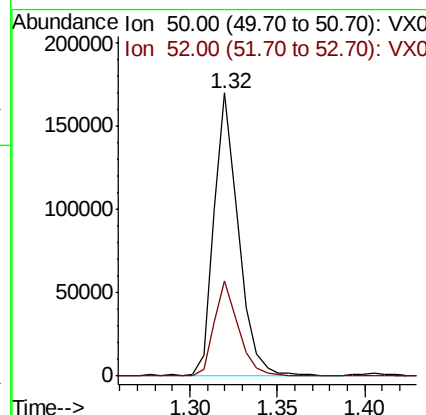
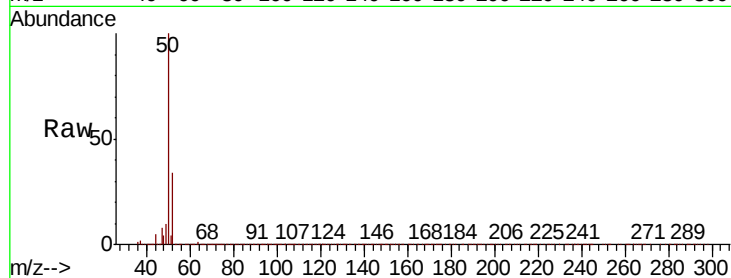




#3
Chloromethane
Concen: 19.436 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

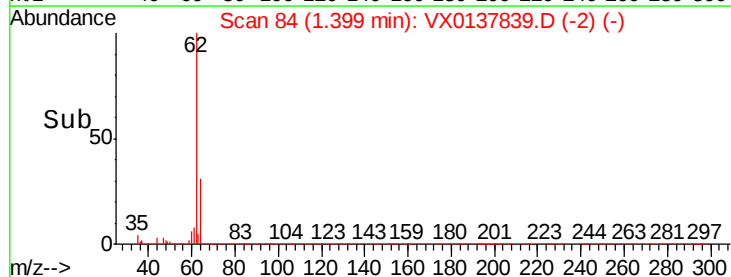
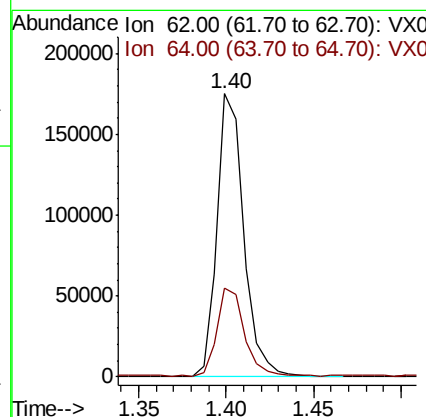
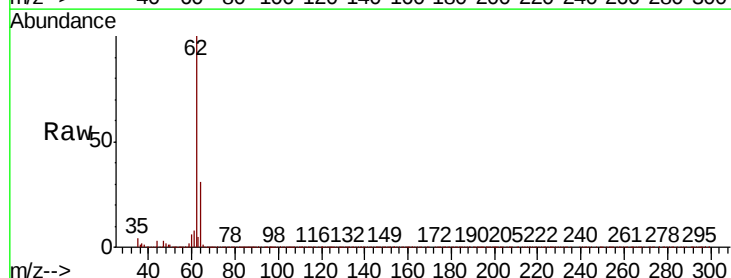
Instrument :
MSVOA_X
ClientSampleId :

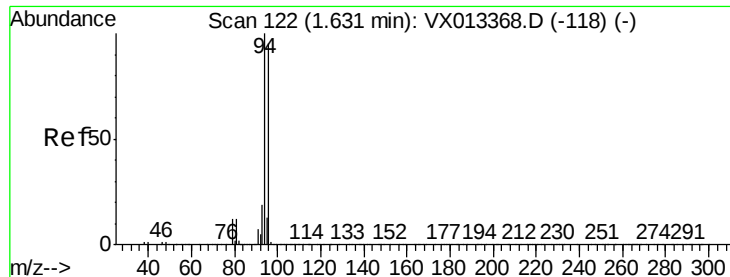
Tot Ion: 50 Resp: 163607
Ion Ratio Lower Upper
50 100
52 33.7 26.6 40.0



#4
Vinyl Chloride
Concen: 19.256 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 62 Resp: 184180
Ion Ratio Lower Upper
62 100
64 31.1 25.4 38.2





#5

Bromomethane

Concen: 18.851 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

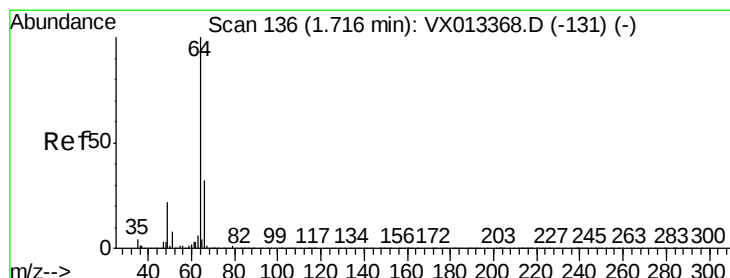
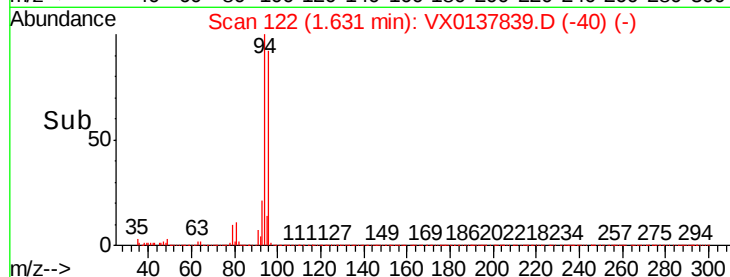
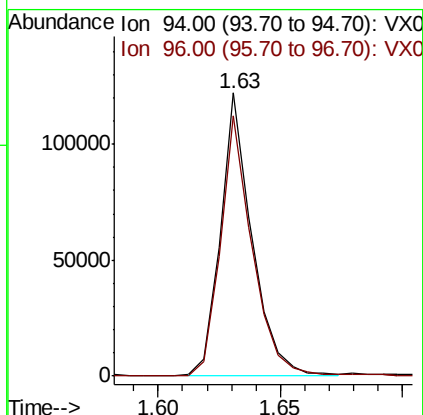
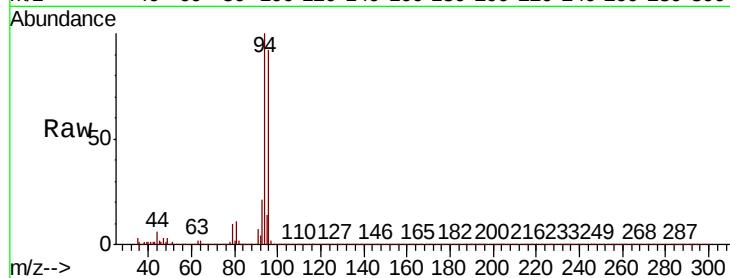
ClientSampleId :

Tot Ion: 94 Resp: 108399

Ion Ratio Lower Upper

94 100

96 92.2 75.7 113.5



#6

Chloroethane

Concen: 20.222 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX0137839.D

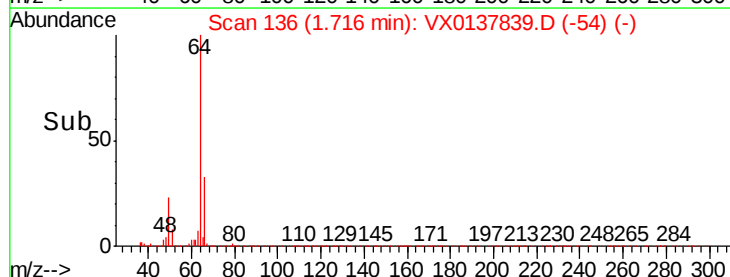
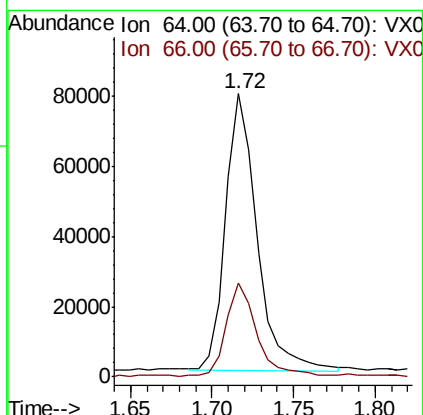
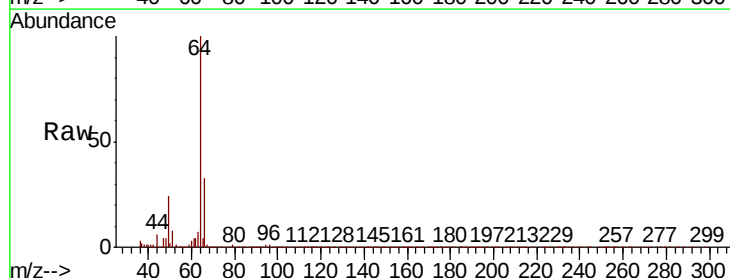
Acq: 07 Dec 2019 02:22 pm

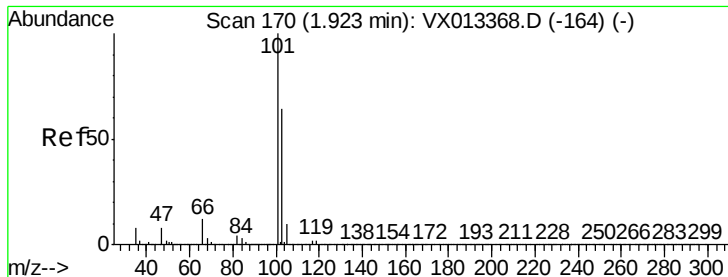
Tgt Ion: 64 Resp: 106324

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3





#7

Trichlorofluoromethane

Concen: 18.833 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

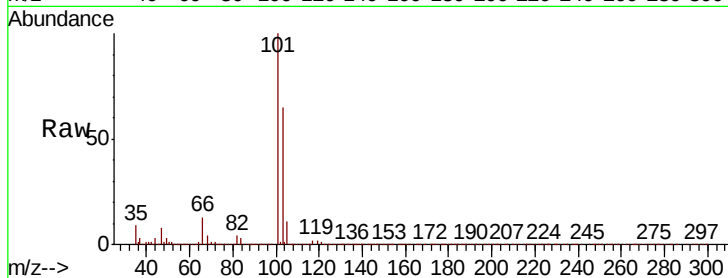
ClientSampleId :

Tot Ion:101 Resp: 193932

Ion Ratio Lower Upper

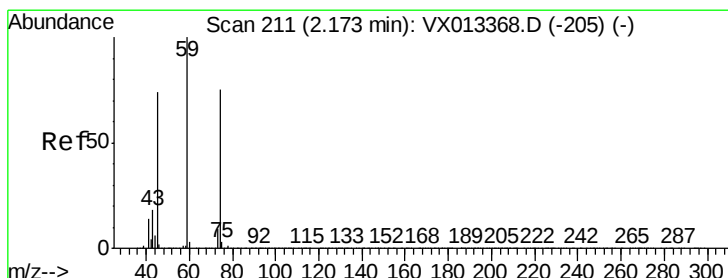
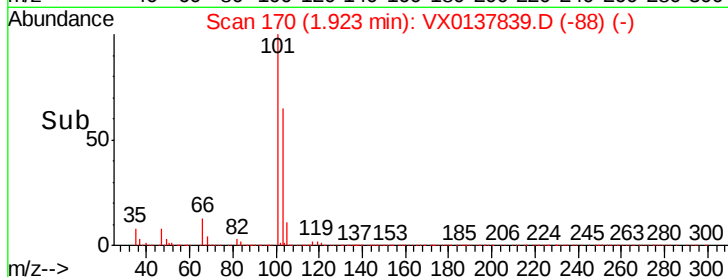
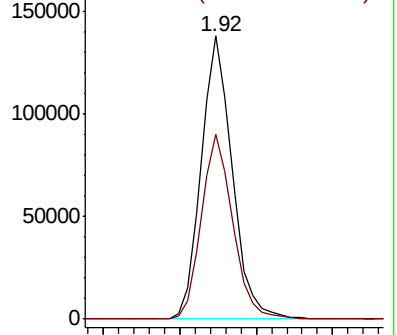
101 100

103 65.1 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.342 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX0137839.D

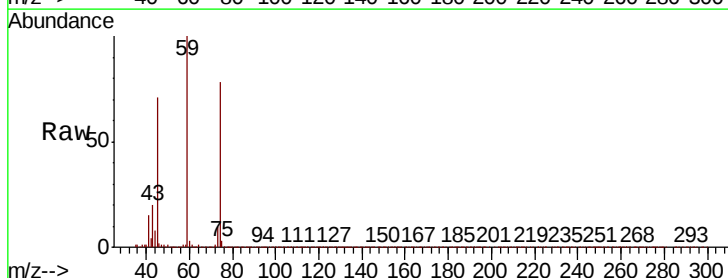
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 74 Resp: 100345

Ion Ratio Lower Upper

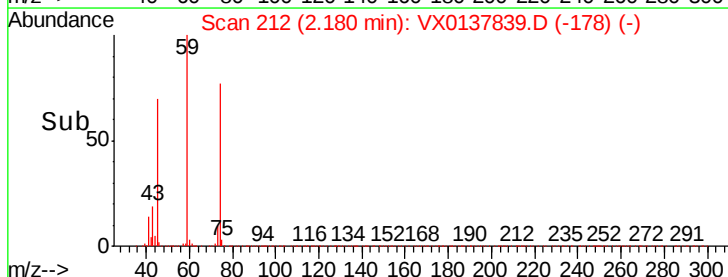
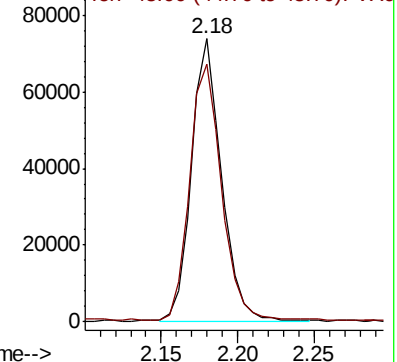
74 100

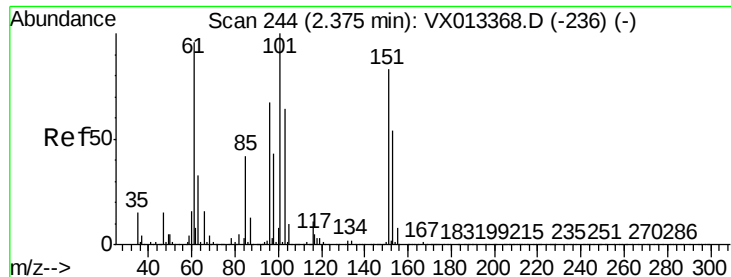
45 95.8 19.5 175.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

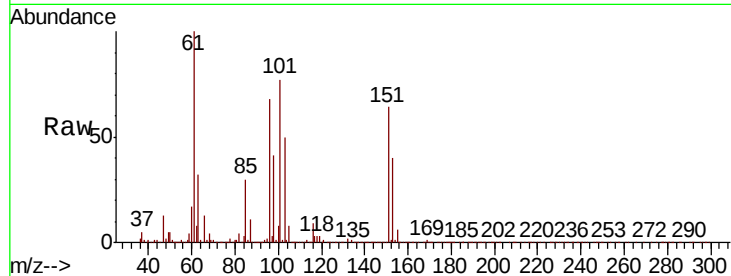
Tot Ion:101 Resp: 123338

Ion Ratio Lower Upper

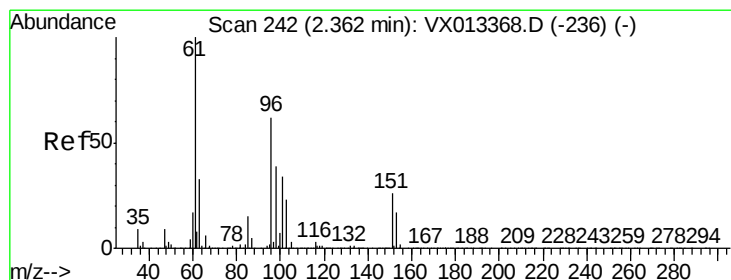
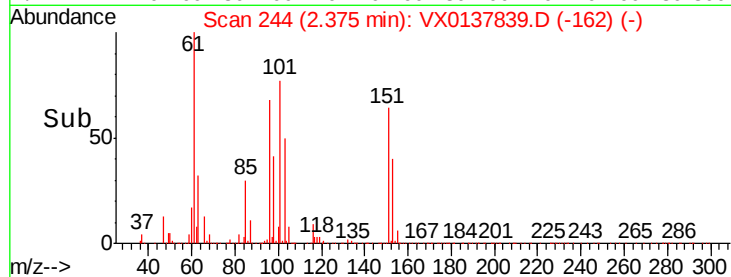
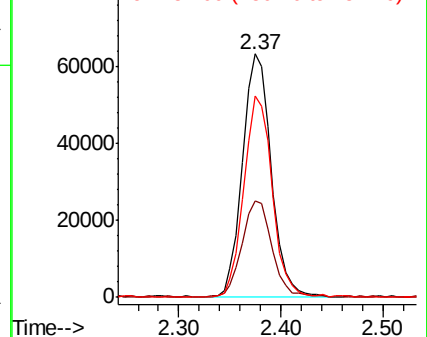
101 100

85 40.7 0.0 83.2

151 81.6 0.0 163.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VX0
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.907 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

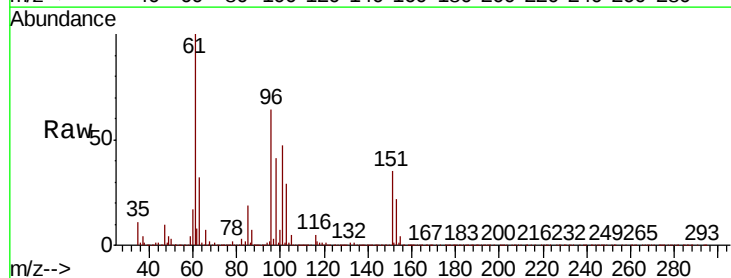
Tgt Ion: 96 Resp: 120374

Ion Ratio Lower Upper

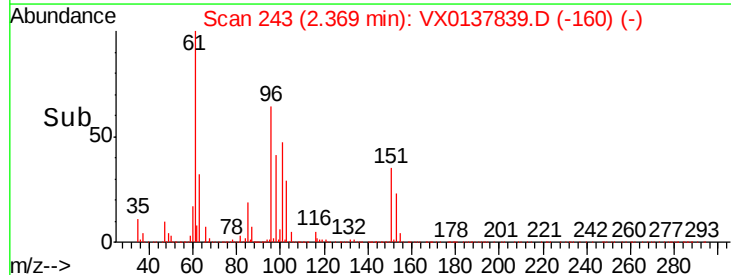
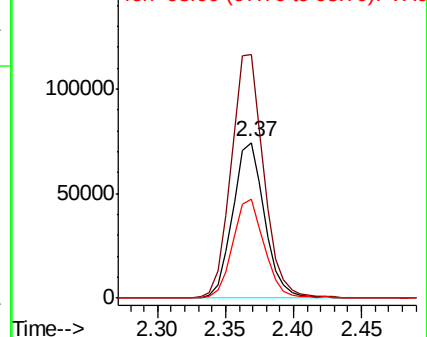
96 100

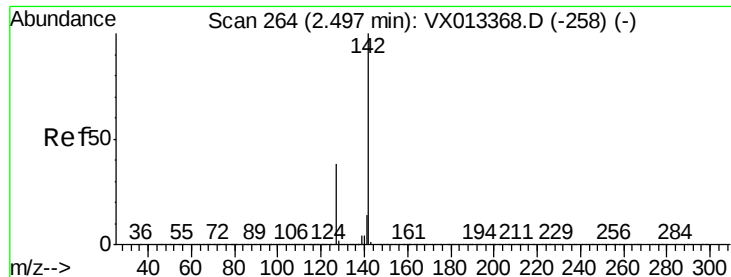
61 156.5 128.9 193.3

98 63.4 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

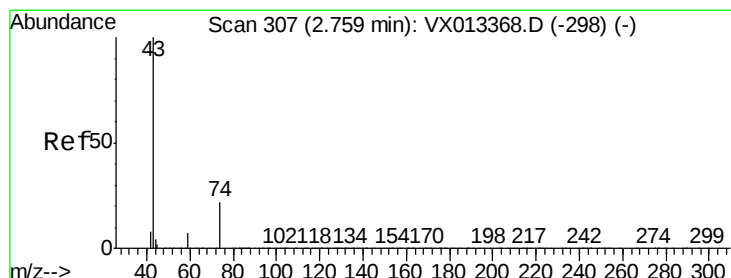
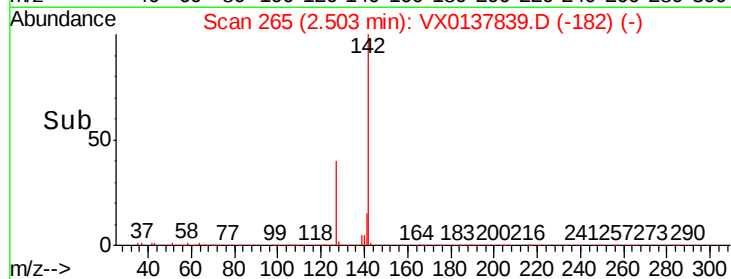
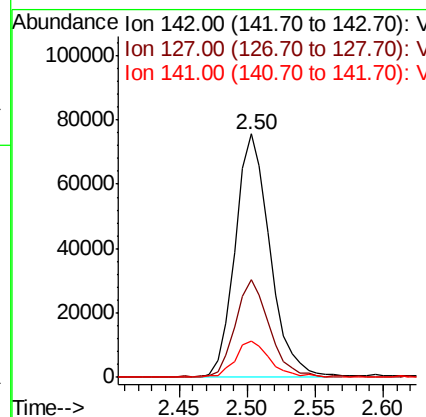
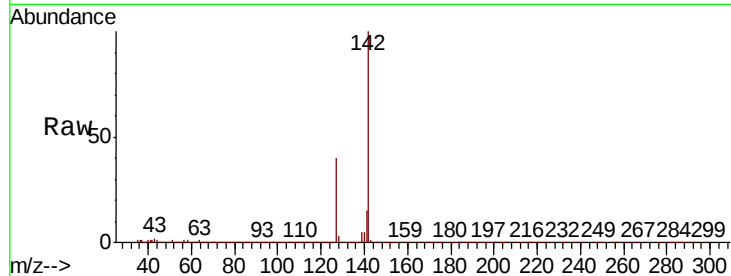




#11
Methyl Iodide
Concen: 17.089 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

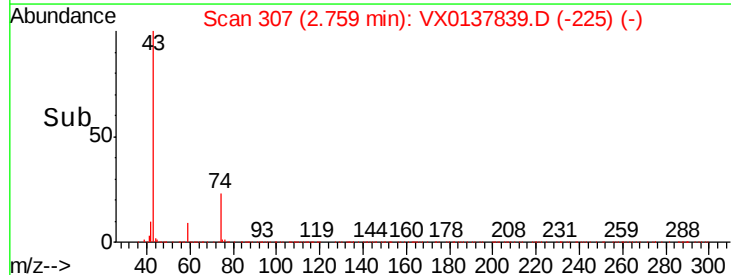
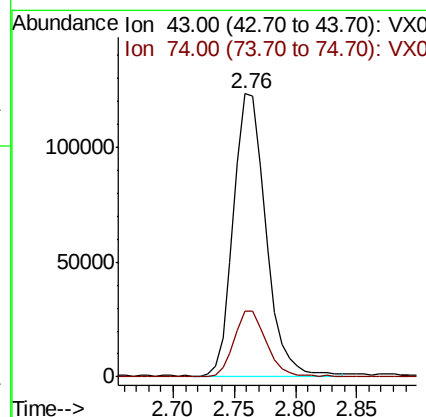
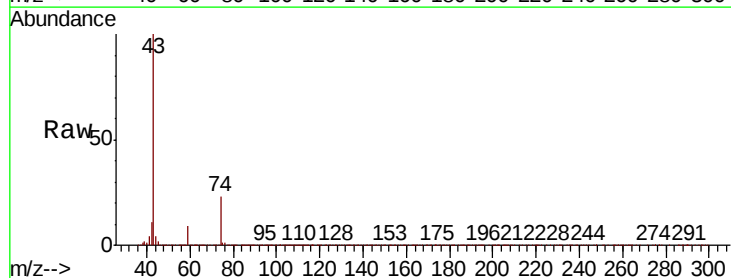
Instrument :
MSVOA_X
ClientSampleId :

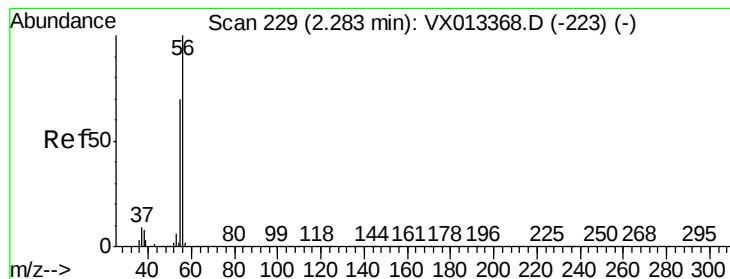
Tot Ion:142 Resp: 134339
Ion Ratio Lower Upper
142 100
127 39.9 19.1 57.5
141 14.5 7.0 21.0



#12
Methyl Acetate
Concen: 20.235 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 43 Resp: 225744
Ion Ratio Lower Upper
43 100
74 23.2 18.0 27.0





#13

Acrolein

Concen: 91.677 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

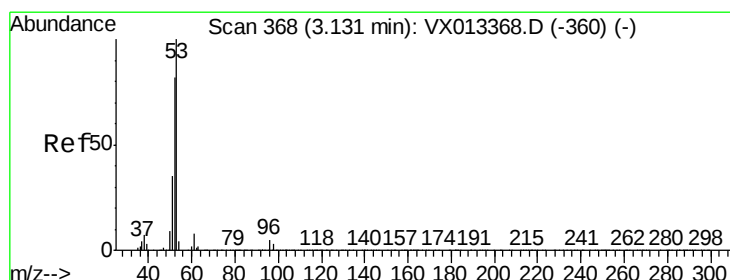
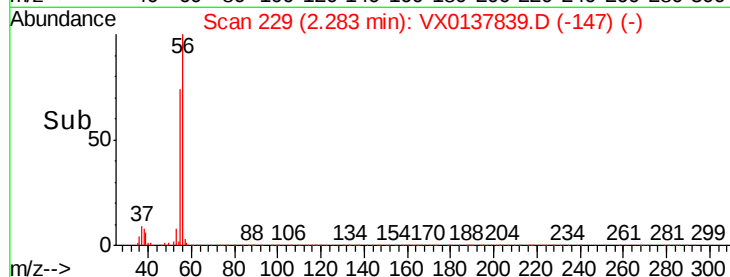
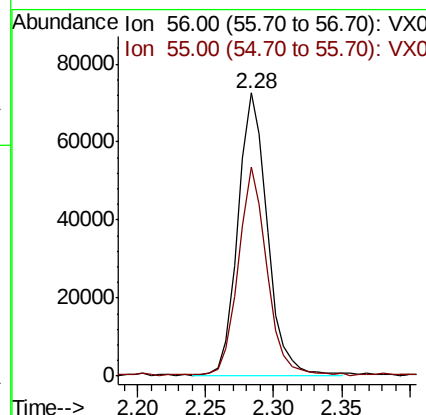
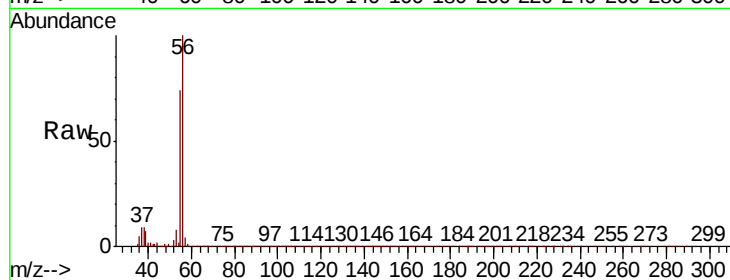
ClientSampleId :

Tot Ion: 56 Resp: 108641

Ion Ratio Lower Upper

56 100

55 71.9 55.8 83.8



#14

Acrylonitrile

Concen: 95.811 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

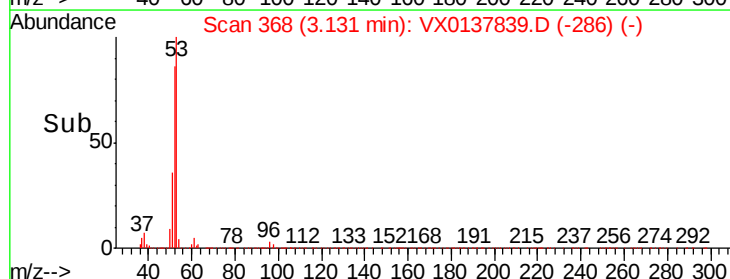
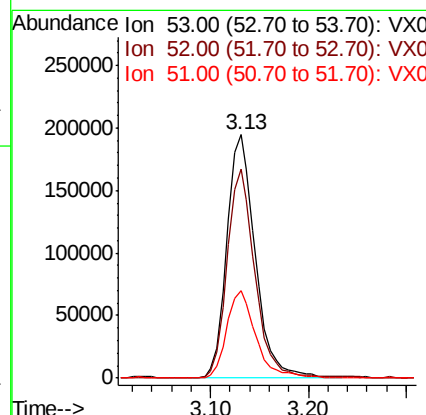
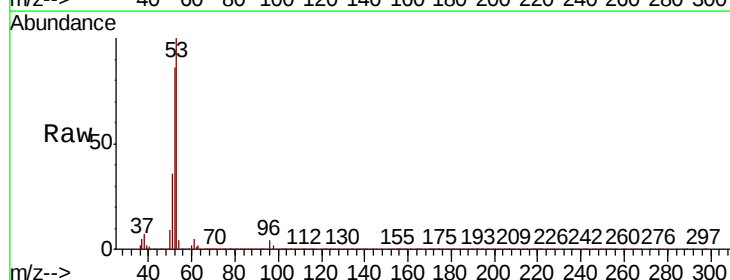
Tgt Ion: 53 Resp: 393054

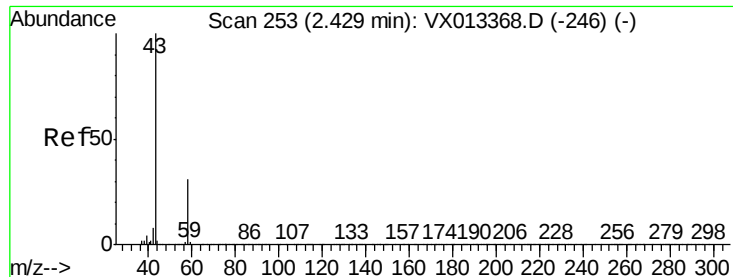
Ion Ratio Lower Upper

53 100

52 83.0 41.0 123.0

51 36.4 17.3 51.9





#15

Acetone

Concen: 104.042 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

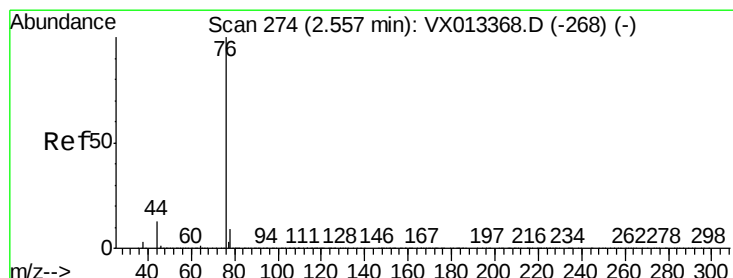
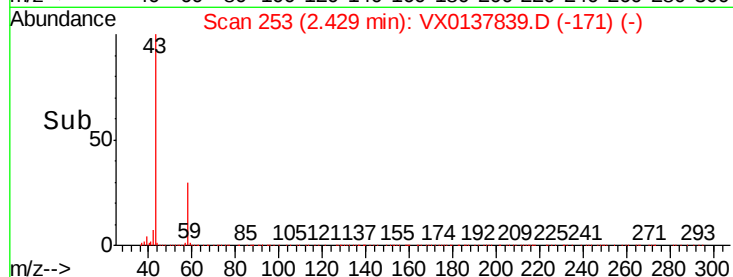
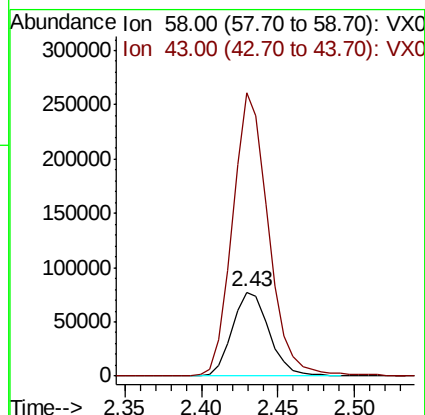
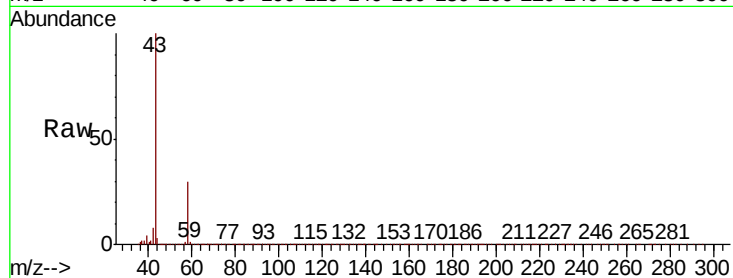
ClientSampleId :

Tot Ion: 58 Resp: 129271

Ion Ratio Lower Upper

58 100

43 335.9 261.4 392.2



#16

Carbon Disulfide

Concen: 17.805 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX0137839.D

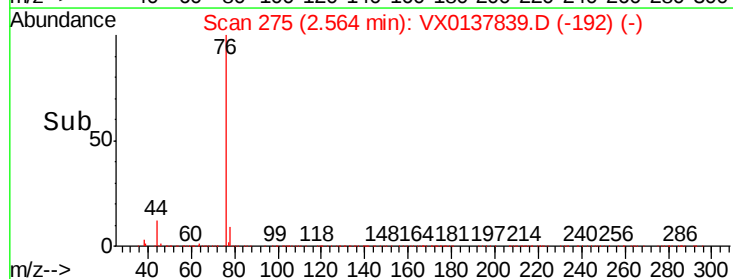
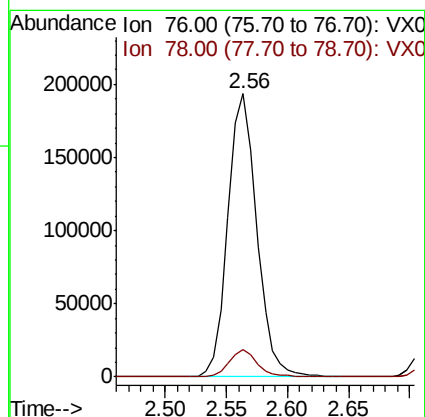
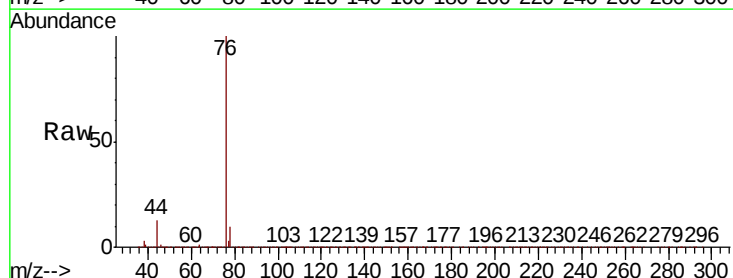
Acq: 07 Dec 2019 02:22 pm

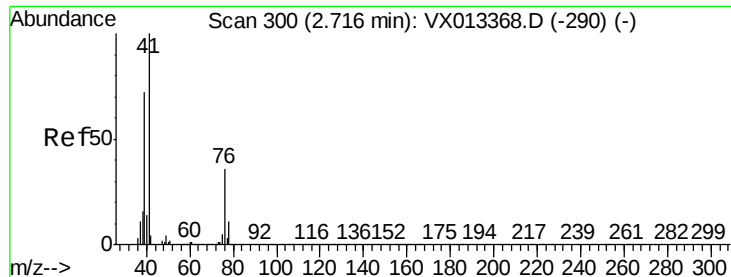
Tgt Ion: 76 Resp: 316173

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

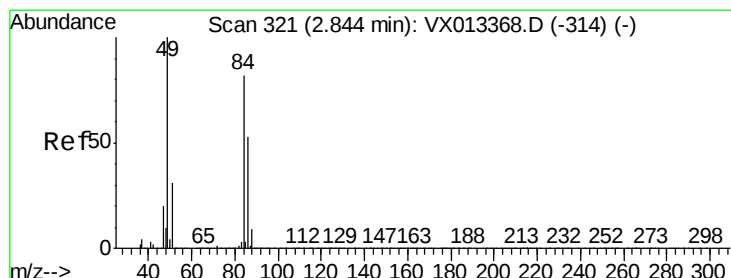
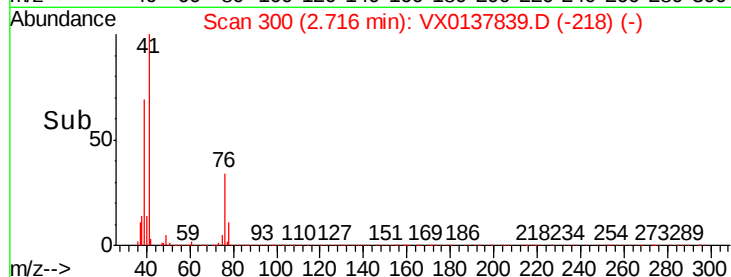
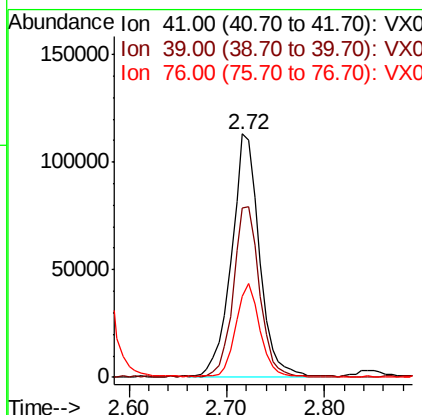
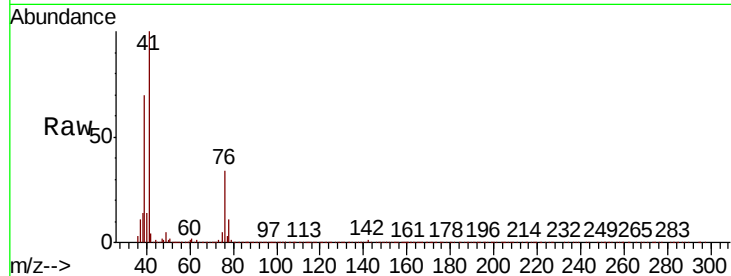




#17
Allvl chloride
Concen: 18.937 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

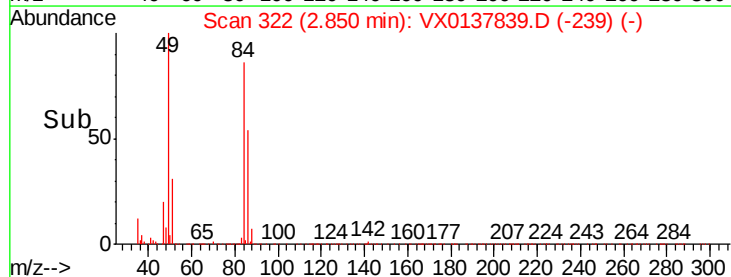
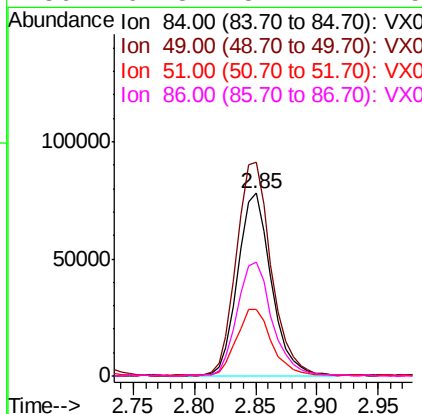
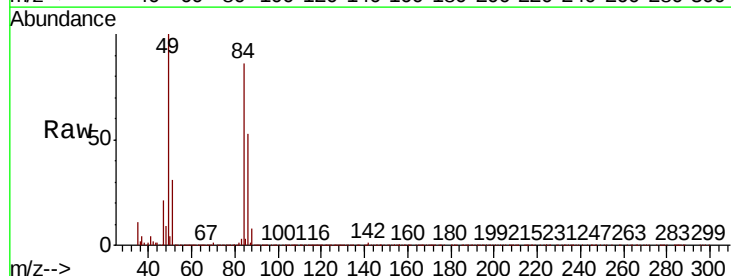
Instrument :
MSVOA_X
ClientSampleId :

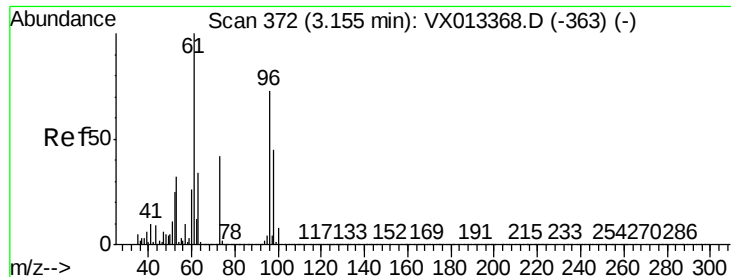
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.9	36.1	108.3
76	33.4	18.1	54.4



#18
Methylene Chloride
Concen: 20.650 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	96.8	145.2
51	36.4	30.0	45.0
86	61.8	51.7	77.5





#19

trans-1,2-Dichloroethene

Concen: 19.467 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

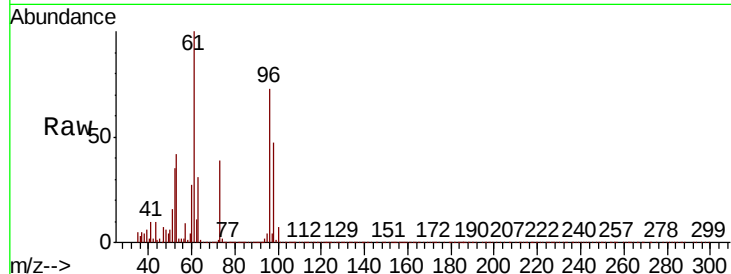
Tot Ion: 96 Resp: 132456

Ion Ratio Lower Upper

96 100

61 135.9 109.9 164.9

98 63.3 49.7 74.5

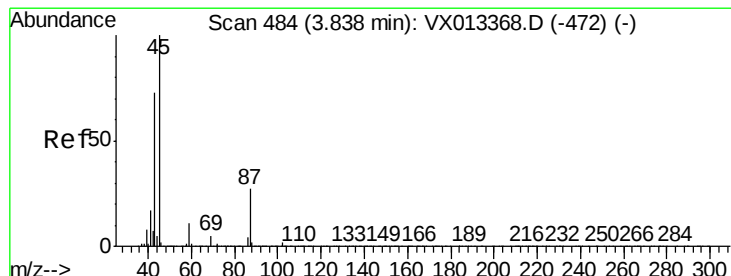
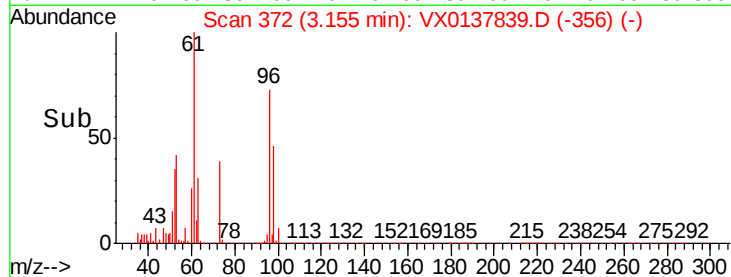
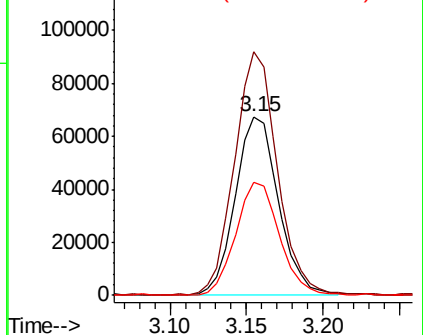


Abundance

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: 20.658 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 45 Resp: 465972

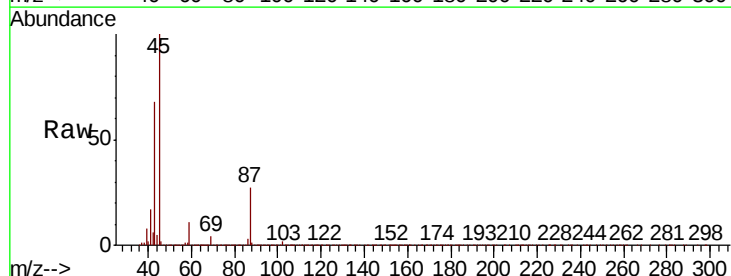
Ion Ratio Lower Upper

45 100

43 66.9 67.7 101.5#

87 26.4 21.5 32.3

59 11.1 8.5 12.7



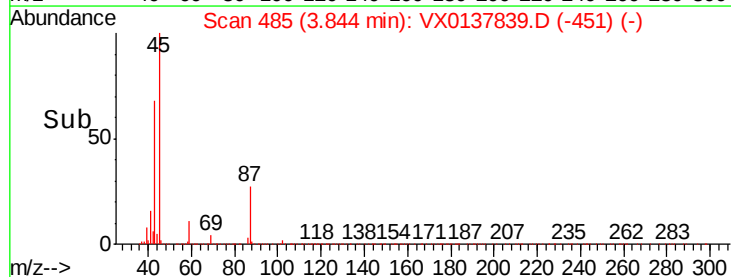
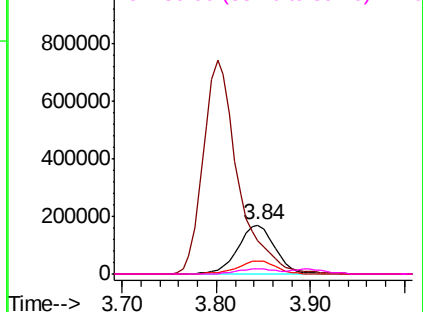
Abundance

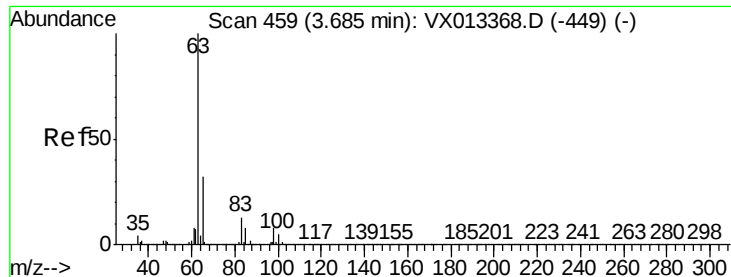
Ion 45.00 (44.70 to 45.70): VX0

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: 20.268 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

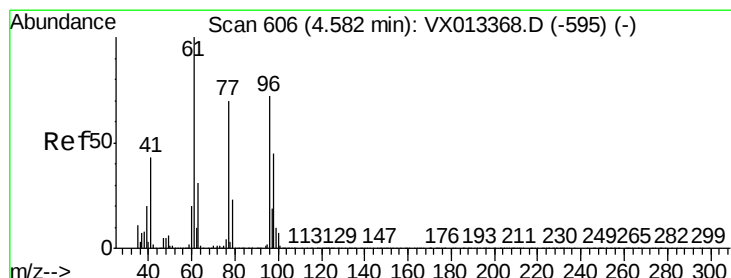
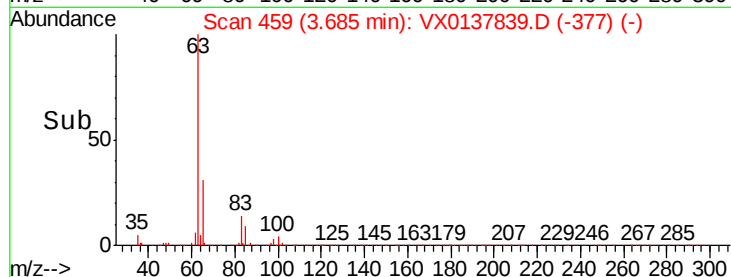
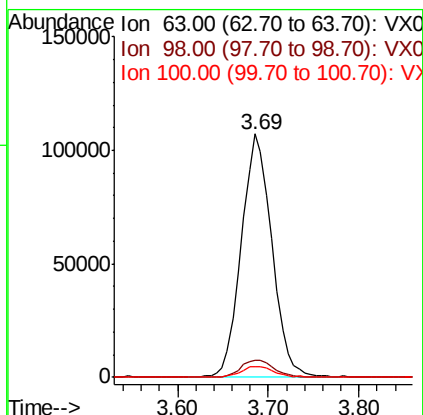
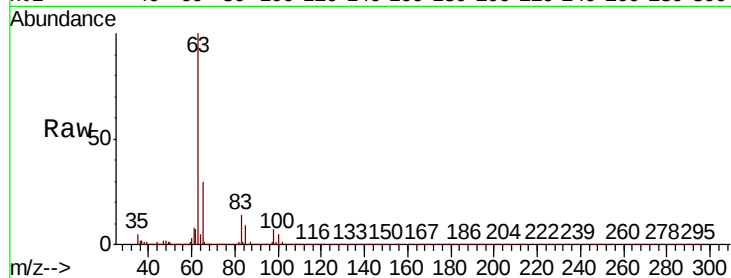
Tot Ion: 63 Resp: 249013

Ion Ratio Lower Upper

63 100

98 6.9 4.0 11.9

100 4.4 2.5 7.5



#22

cis-1,2-Dichloroethene

Concen: 20.362 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

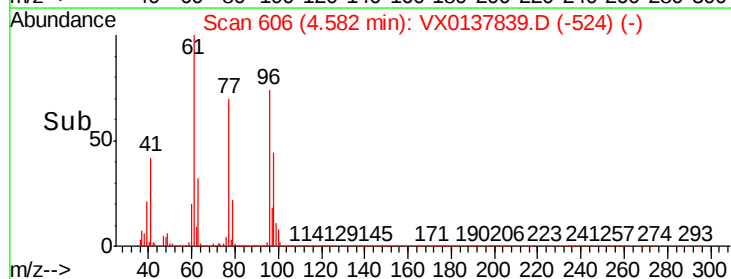
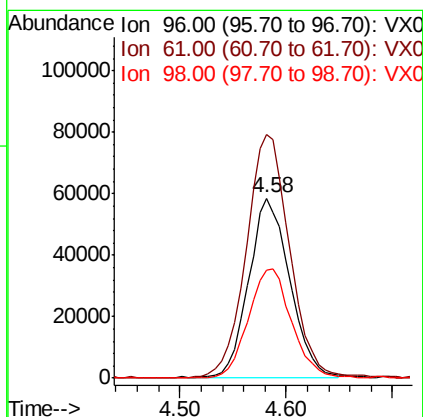
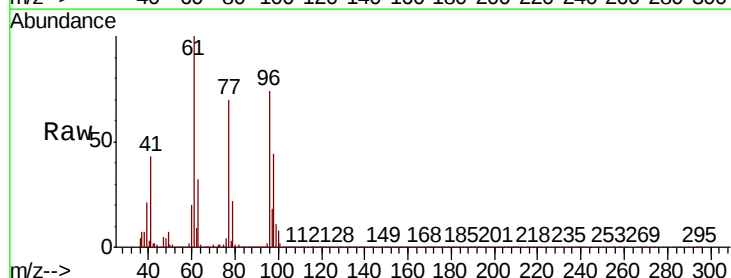
Tgt Ion: 96 Resp: 157957

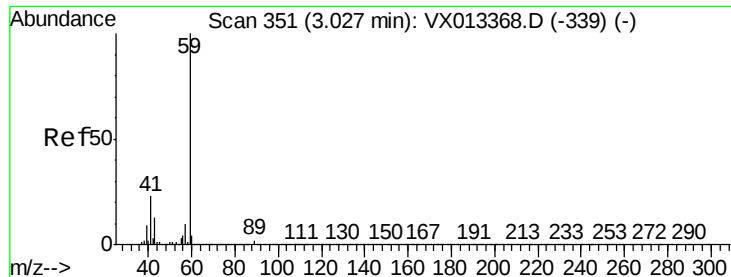
Ion Ratio Lower Upper

96 100

61 143.6 117.0 175.6

98 63.7 51.1 76.7





#23

tert-Butyl Alcohol

Concen: 89.552 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

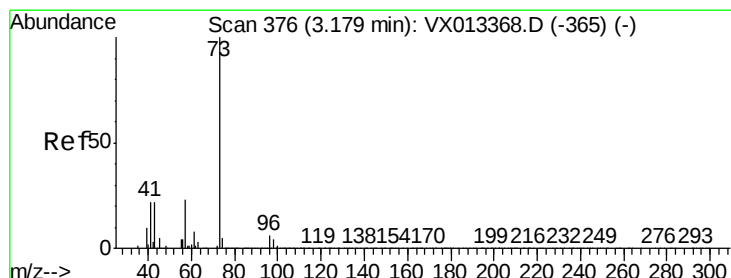
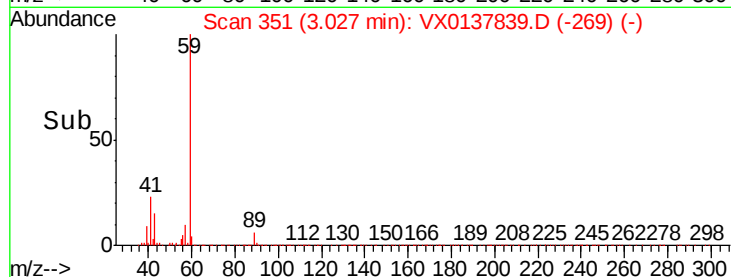
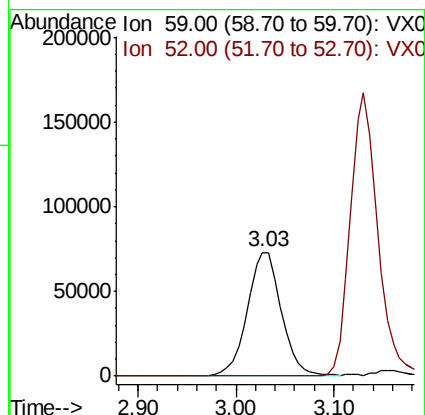
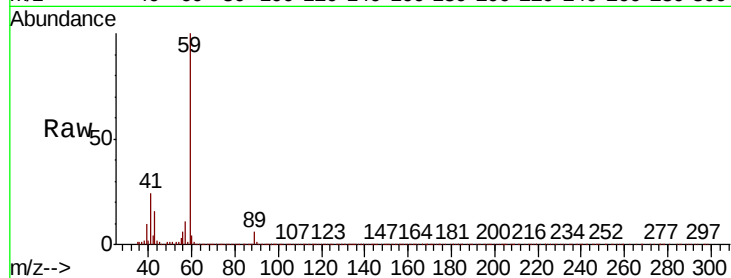
ClientSampleId :

Tot Ion: 59 Resp: 176800

Ion Ratio Lower Upper

59 100

52 0.2 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.698 ug/l

RT: 3.18 min Scan# 376

Delta R.T. 0.00 min

Lab File: VX0137839.D

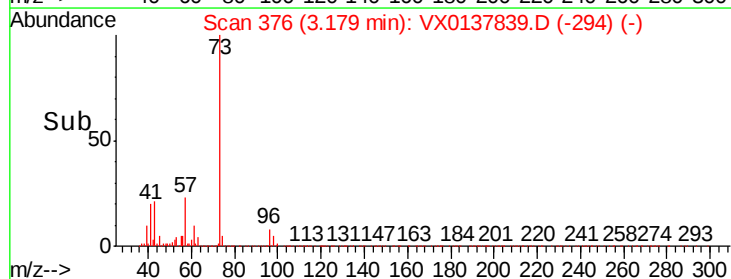
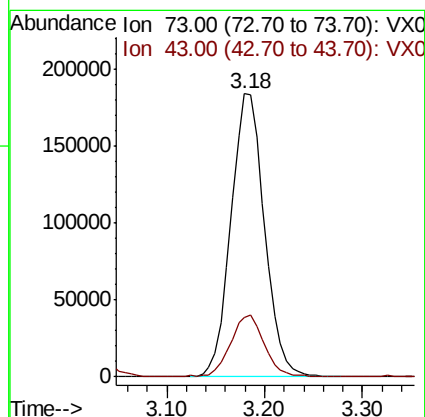
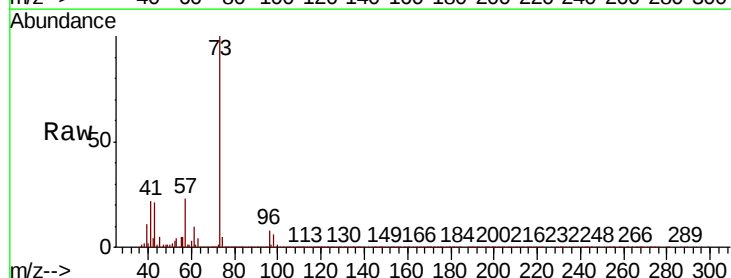
Acq: 07 Dec 2019 02:22 pm

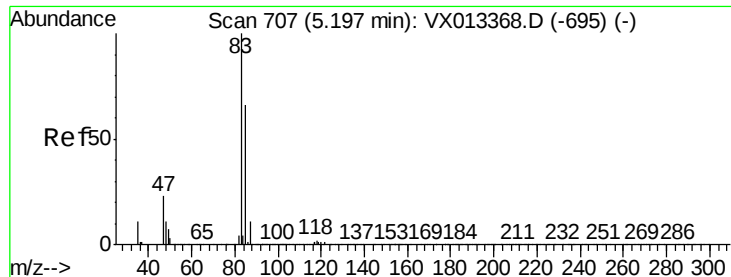
Tgt Ion: 73 Resp: 436135

Ion Ratio Lower Upper

73 100

43 21.7 17.0 25.6





#25

Chloroform

Concen: 20.097 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

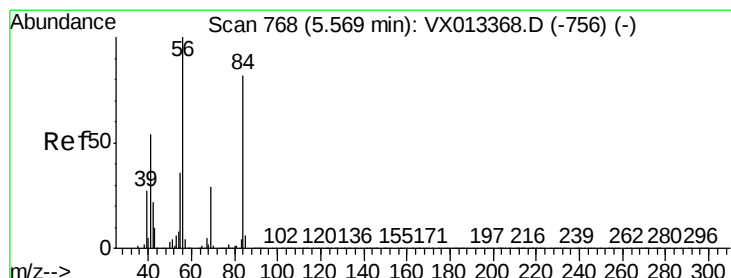
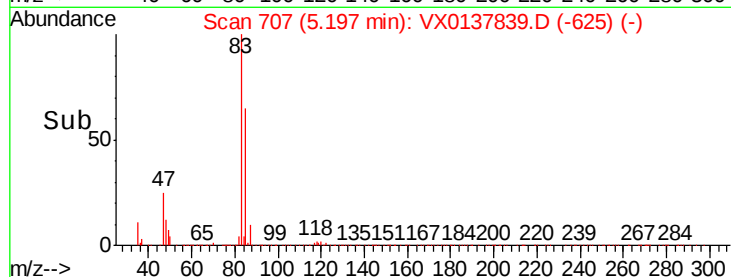
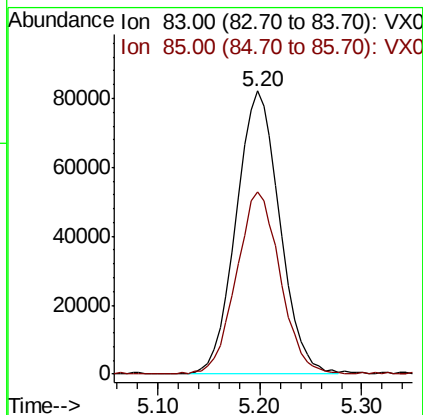
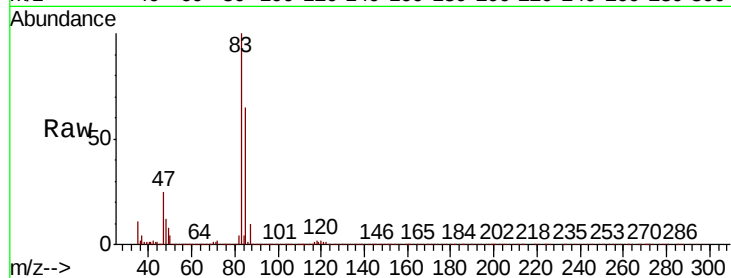
ClientSampleId :

Tot Ion: 83 Resp: 241685

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6



#26

Cyclohexane

Concen: 18.949 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

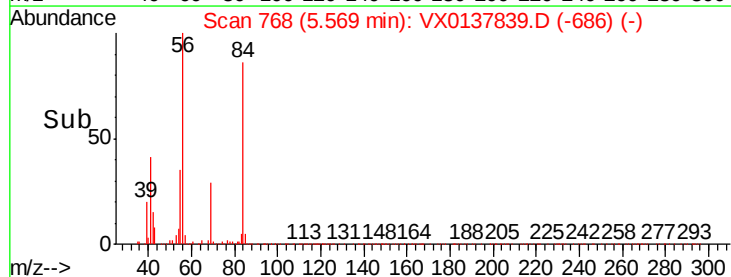
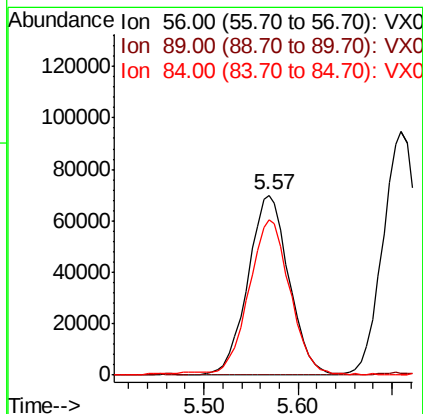
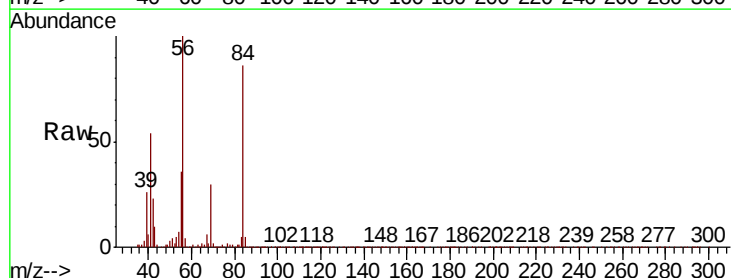
Tgt Ion: 56 Resp: 211413

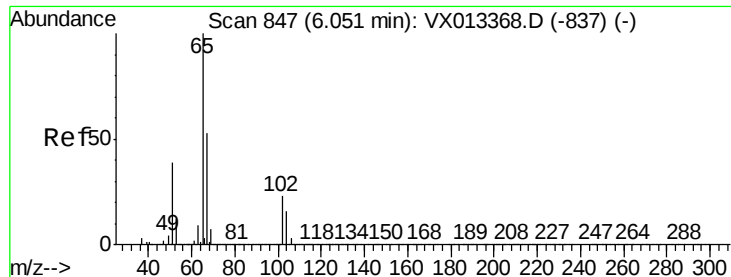
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 86.4 70.5 105.7





#27

1,2-Dichloroethane-d4

Concen: 28.706 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

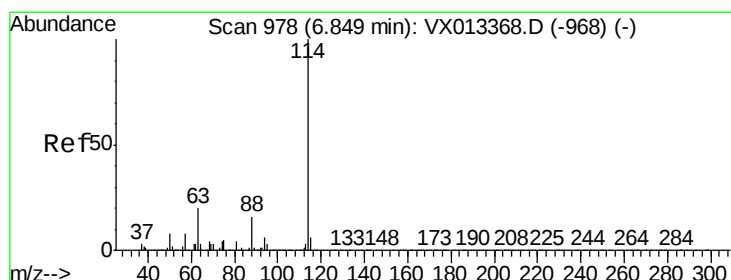
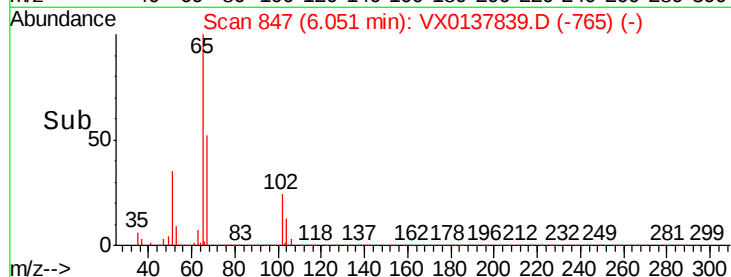
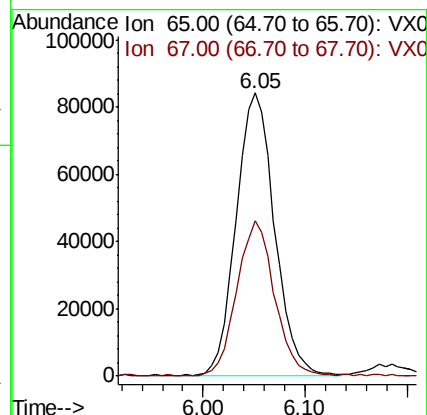
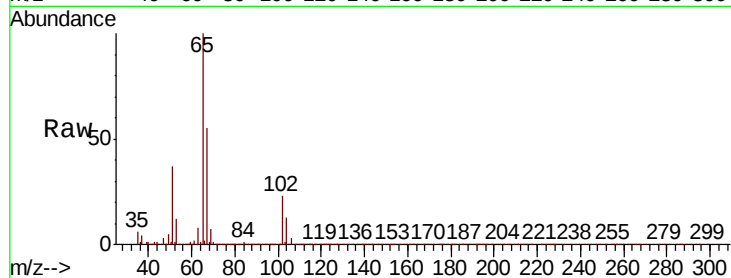
ClientSampleId :

Tot Ion: 65 Resp: 218518

Ion Ratio Lower Upper

65 100

67 53.4 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: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

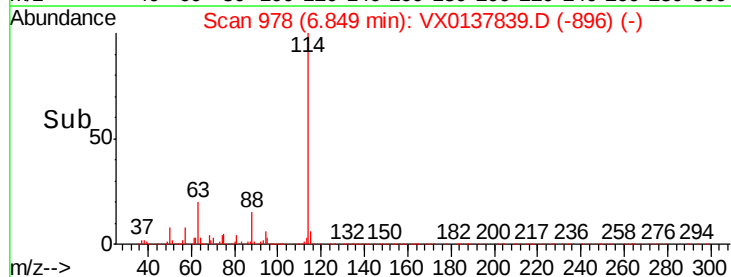
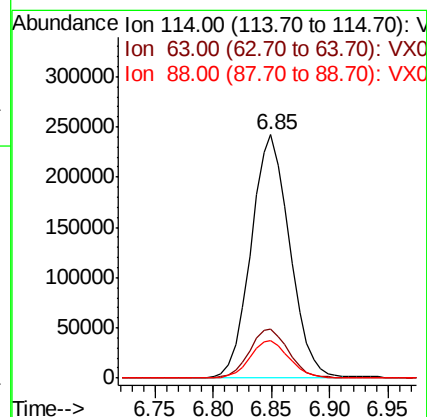
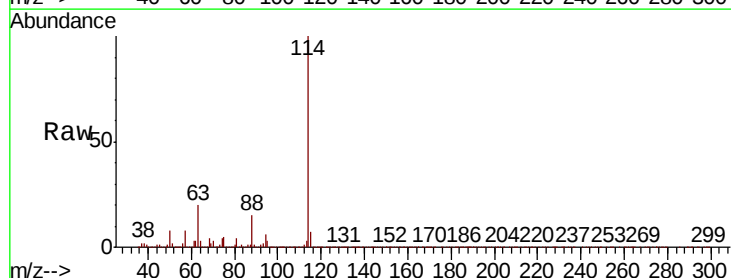
Tgt Ion: 114 Resp: 557712

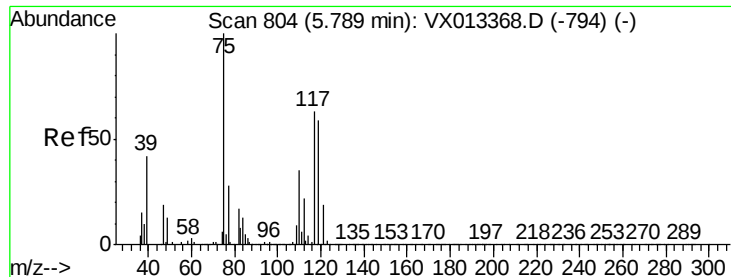
Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

88 15.6 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.179 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :
MSVOA_X
ClientSampleId :

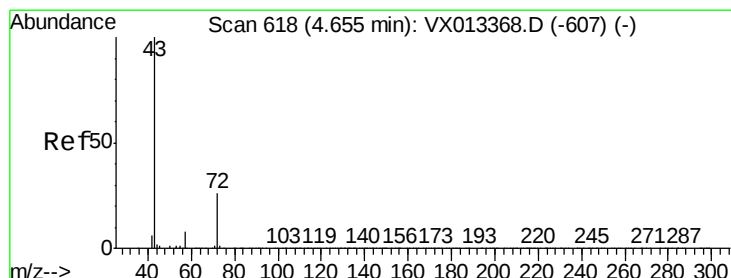
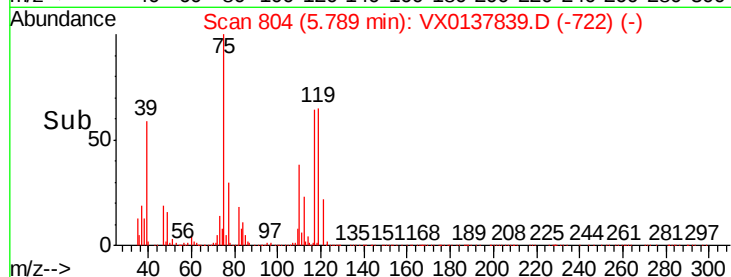
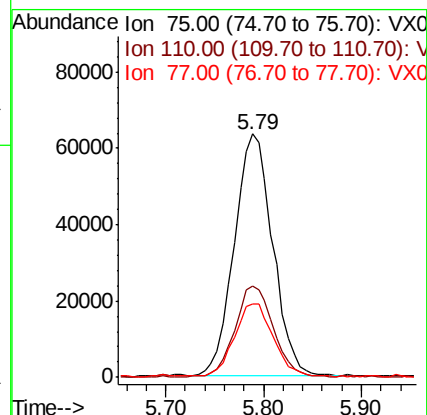
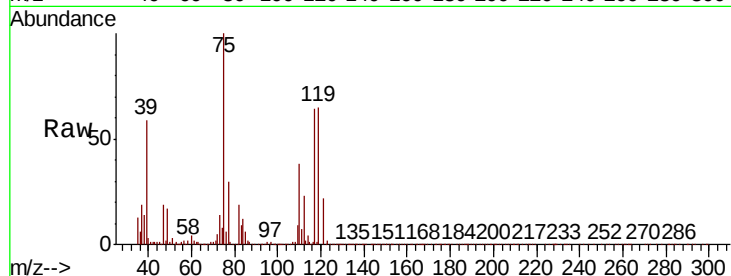
Tot Ion: 75 Resp: 171893

Ion Ratio Lower Upper

75 100

110 38.0 0.0 74.6

77 31.4 0.0 62.6



#30

2-Butanone

Concen: 103.583 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

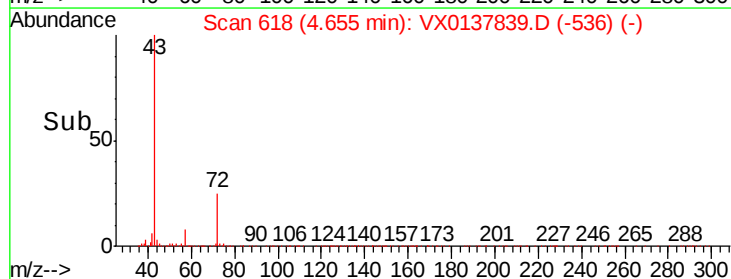
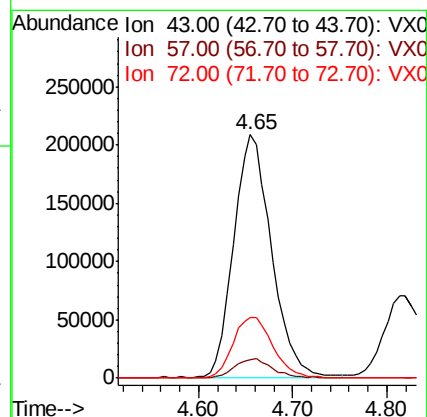
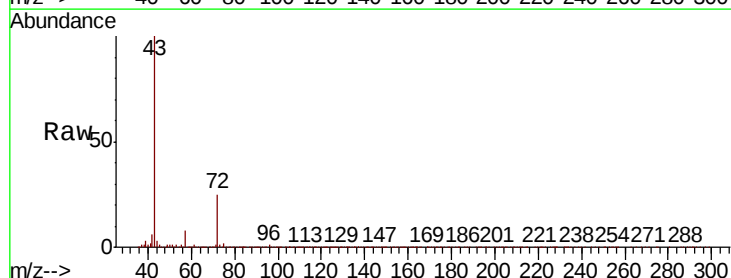
Tgt Ion: 43 Resp: 582409

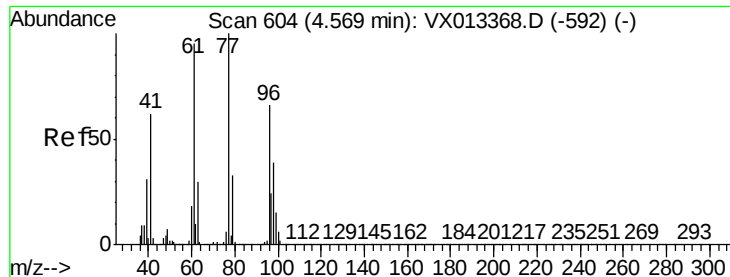
Ion Ratio Lower Upper

43 100

57 7.8 6.1 9.1

72 25.6 20.5 30.7





#31

2,2-Dichloropropane

Concen: 21.025 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

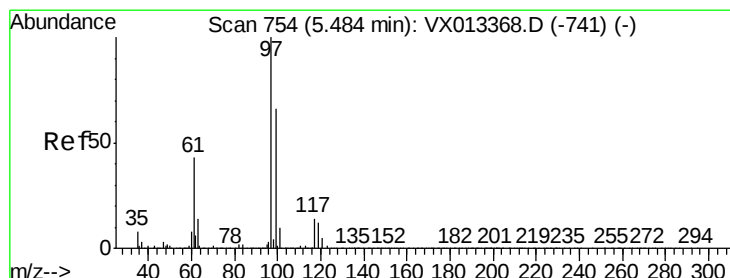
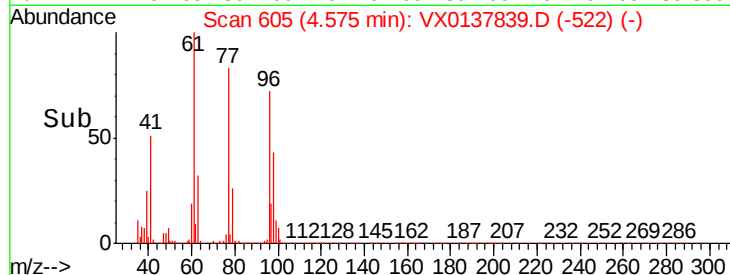
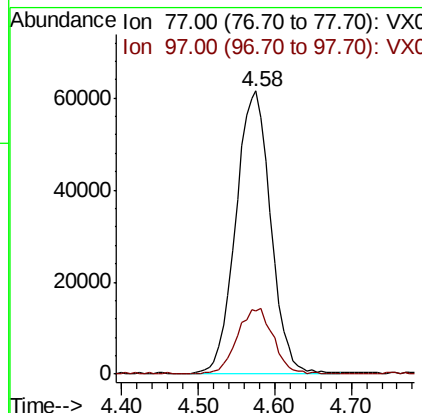
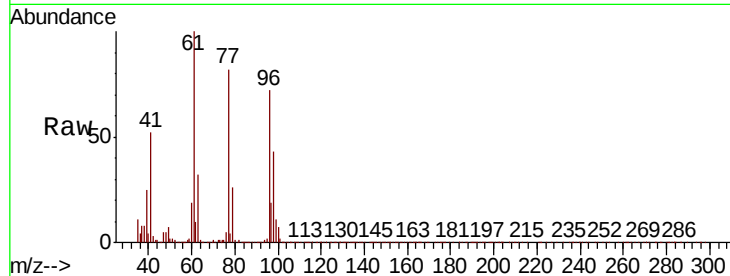
ClientSampleId :

Tot Ion: 77 Resp: 193961

Ion Ratio Lower Upper

77 100

97 24.0 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 20.484 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

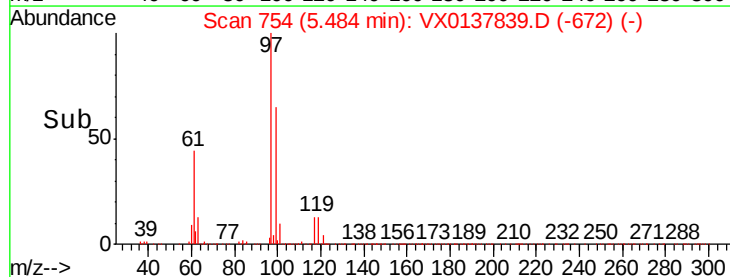
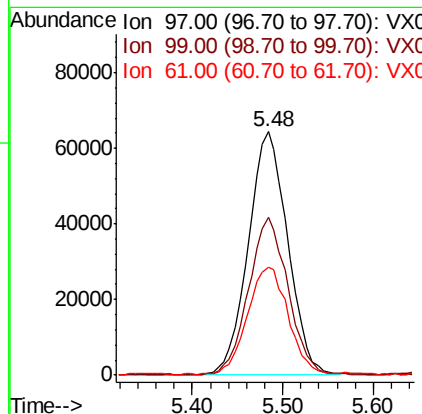
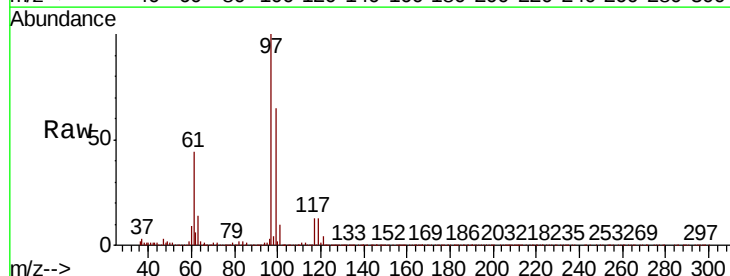
Tgt Ion: 97 Resp: 193946

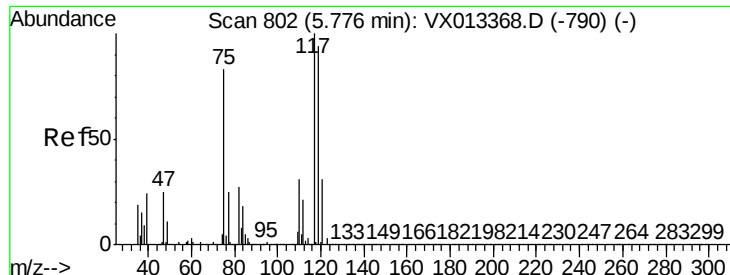
Ion Ratio Lower Upper

97 100

99 64.5 52.5 78.7

61 44.3 36.1 54.1

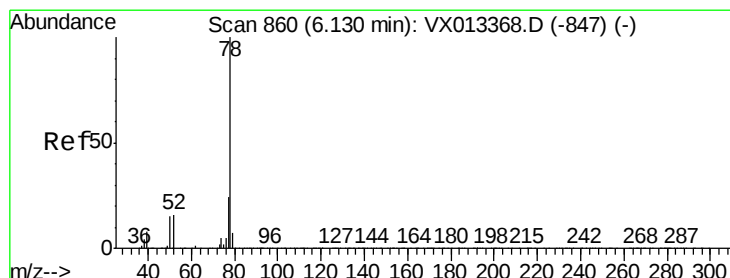
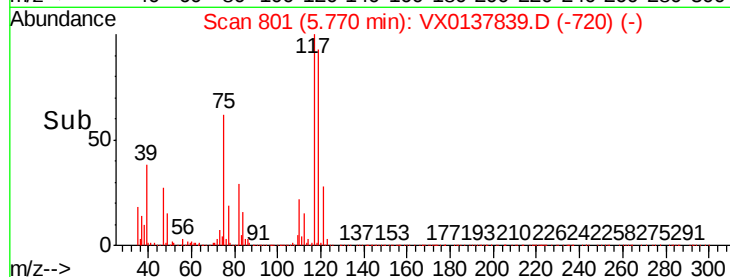
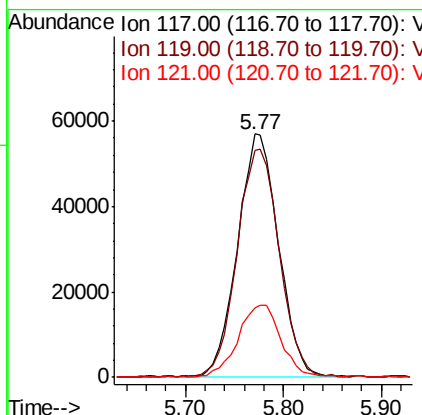
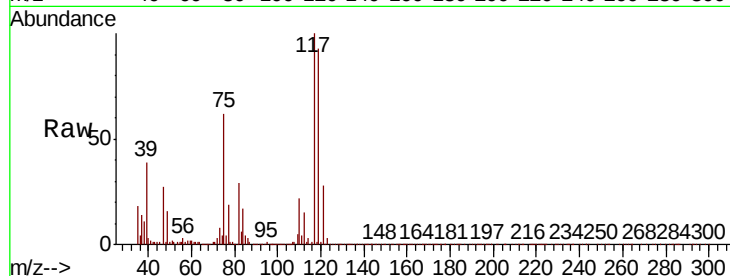




#33
Carbon Tetrachloride
Concen: 19.983 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

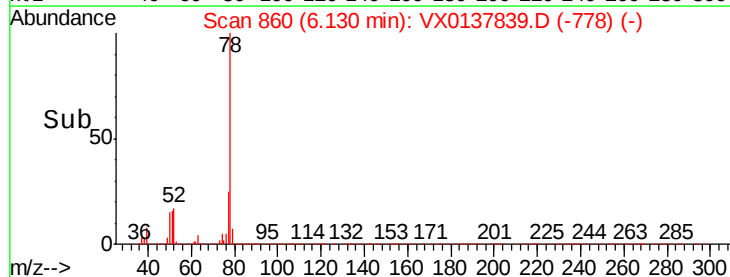
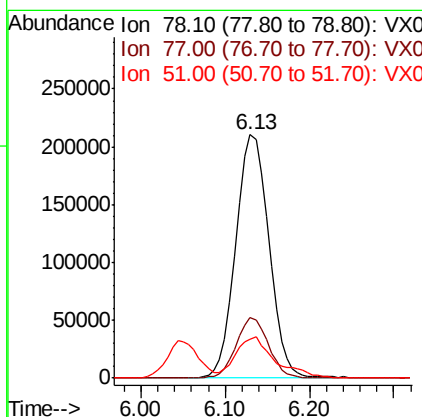
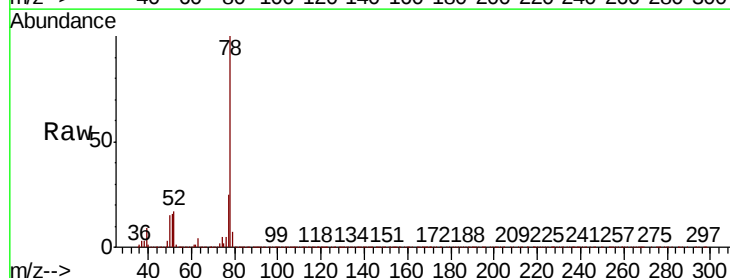
Instrument :
MSVOA_X
ClientSampleId :

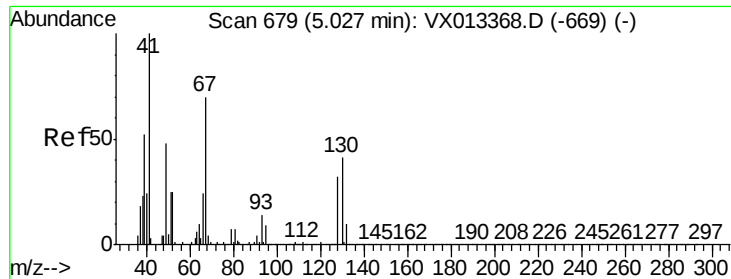
Tot Ion:117 Resp: 164339
Ion Ratio Lower Upper
117 100
119 93.3 75.0 112.6
121 28.3 24.9 37.3



#34
Benzene
Concen: 21.817 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 78 Resp: 563704
Ion Ratio Lower Upper
78 100
77 24.9 19.3 28.9
51 15.8 12.2 18.4

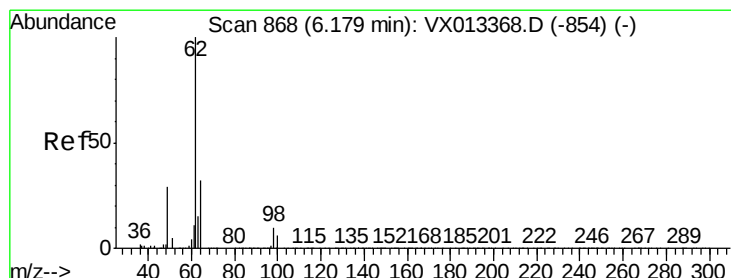
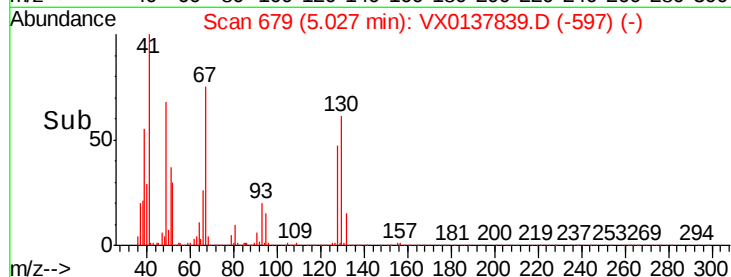
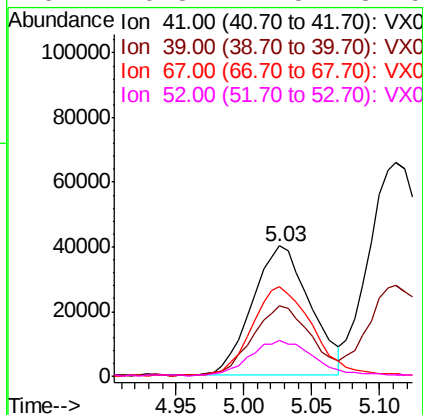
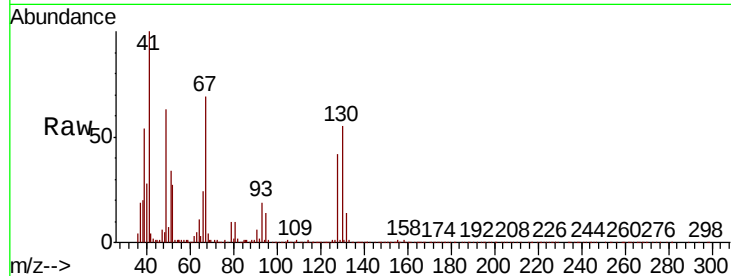




#35
Methacrylonitrile
Concen: 21.254 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

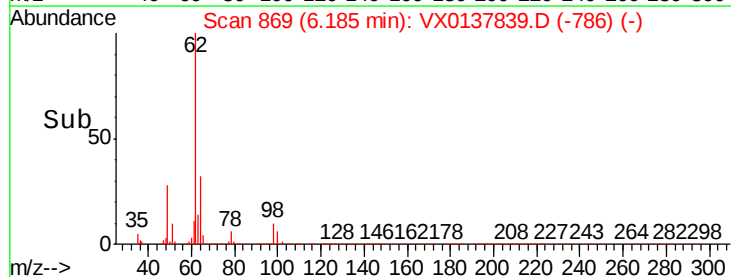
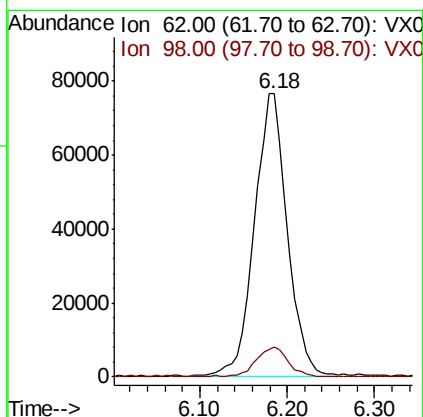
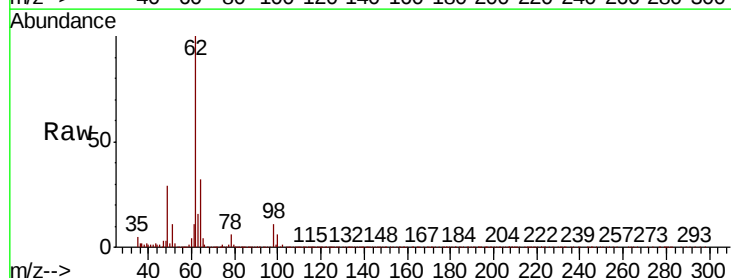
Instrument :
MSVOA_X
ClientSampleId :

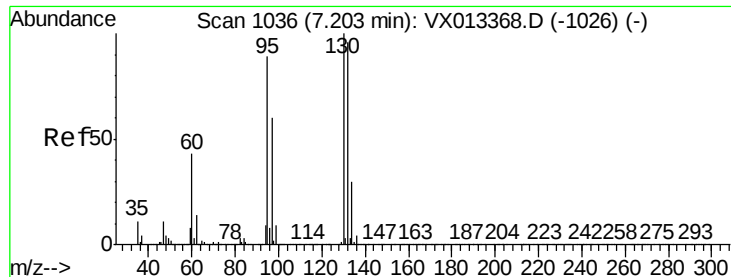
Tot Ion:	41	Resp:	119336
Ion	Ratio	Lower	Upper
41	100		
39	54.0	25.9	77.8
67	68.5	35.1	105.5
52	26.3	12.5	37.5



#36
1,2-Dichloroethane
Concen: 22.068 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion:	62	Resp:	199582
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.2	12.2





#37

Trichloroethene

Concen: 21.385 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

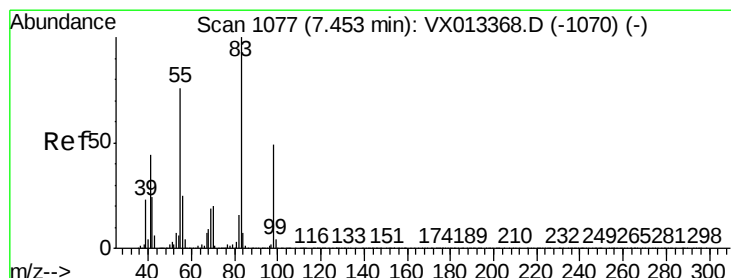
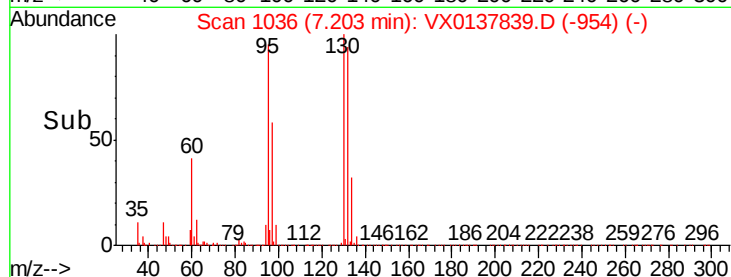
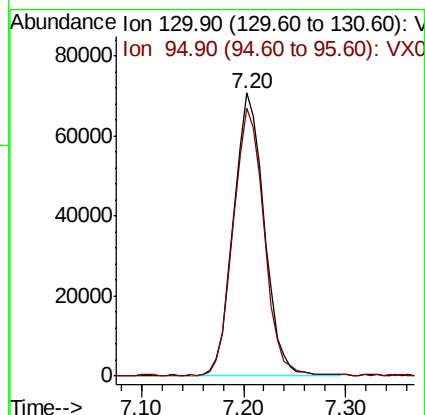
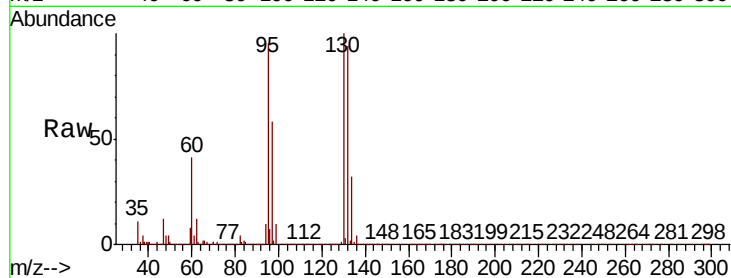
ClientSampleId :

Tot Ion:130 Resp: 148030

Ion Ratio Lower Upper

130 100

95 94.2 71.3 106.9



#38

Methylcyclohexane

Concen: 20.247 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

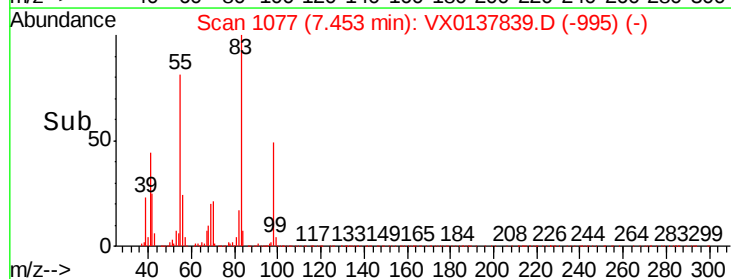
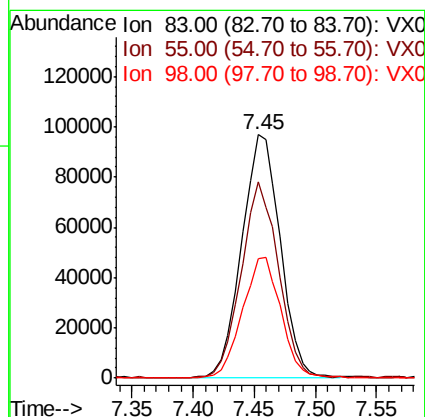
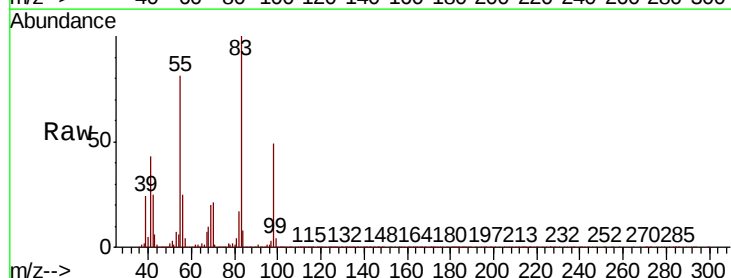
Tgt Ion: 83 Resp: 211477

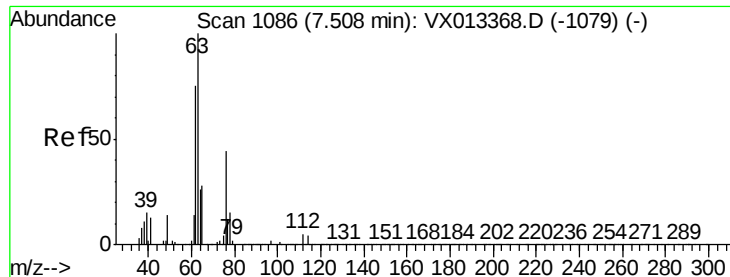
Ion Ratio Lower Upper

83 100

55 77.8 37.9 113.7

98 50.0 25.1 75.3

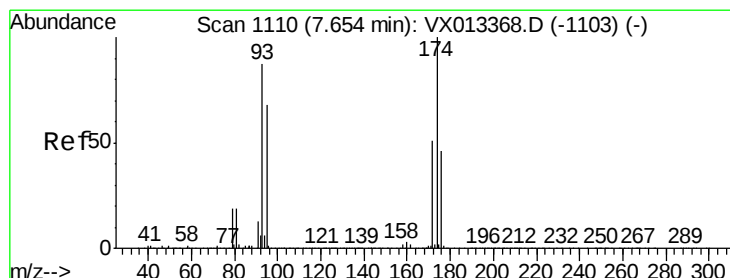
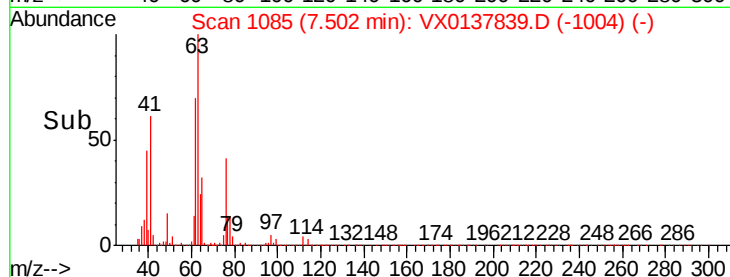
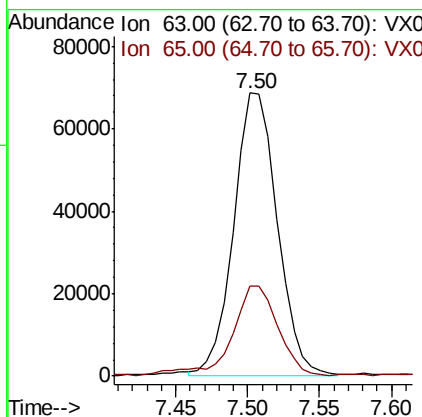
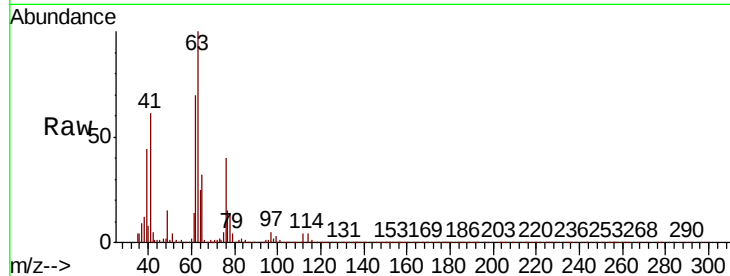




#39
 1,2-Dichloropropane
 Concen: 21.518 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

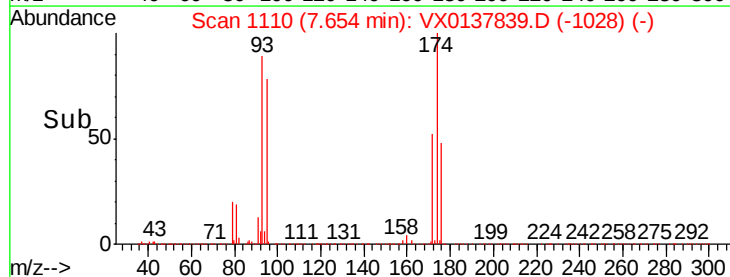
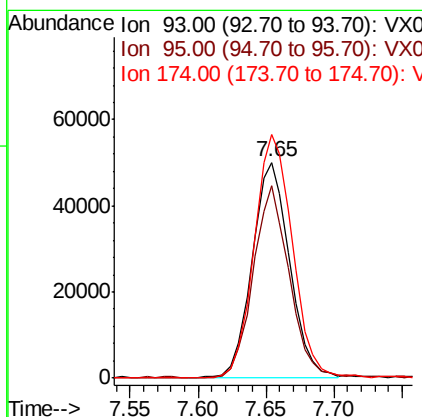
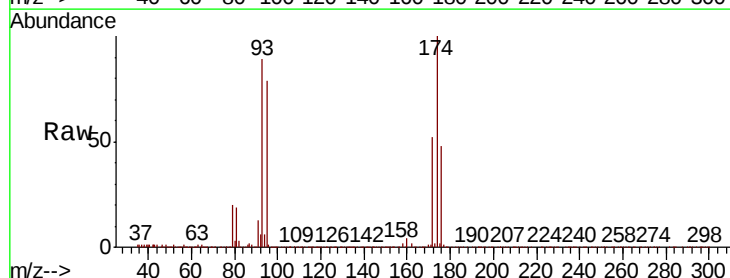
Instrument :
 MSVOA_X
 ClientSampleId :

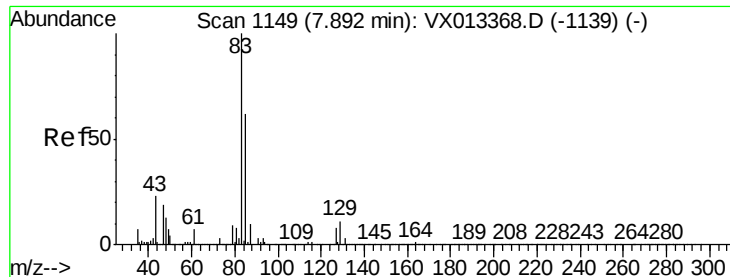
Tot Ion: 63 Resp: 143755
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.8 35.8



#40
 Dibromomethane
 Concen: 21.826 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 93 Resp: 97043
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 160.8
 174 114.6 0.0 228.8





#41

Bromodichloromethane

Concen: 21.736 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

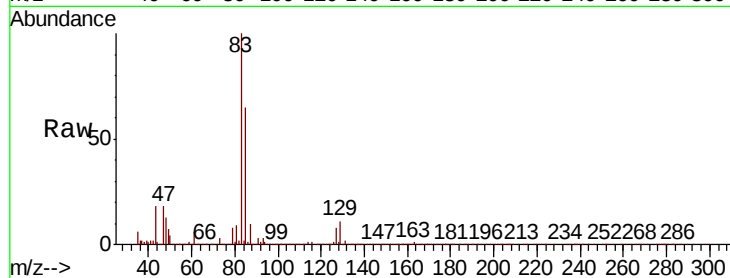
Tot Ion: 83 Resp: 188657

Ion Ratio Lower Upper

83 100

85 64.7 49.3 73.9

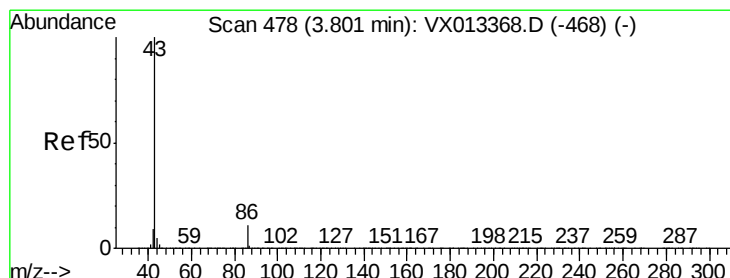
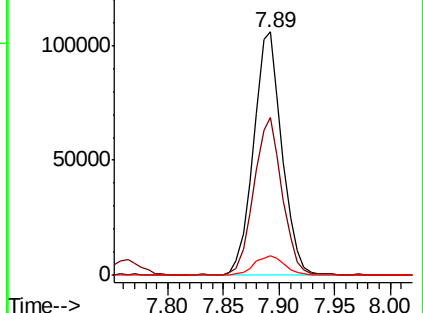
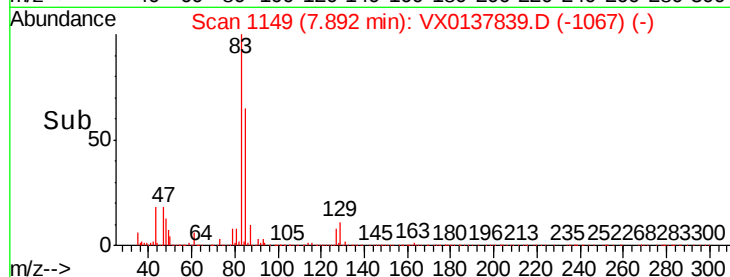
127 8.0 6.6 10.0



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: 108.004 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX0137839.D

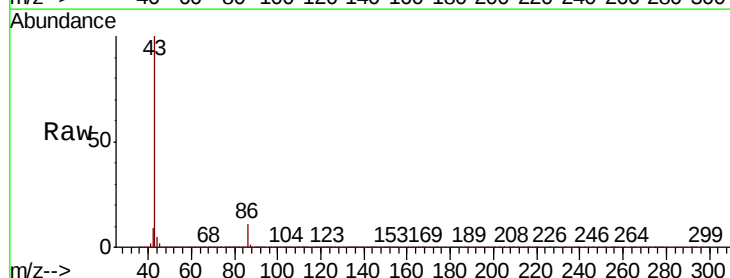
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 43 Resp: 1911907

Ion Ratio Lower Upper

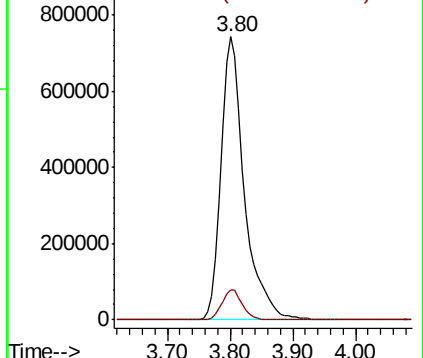
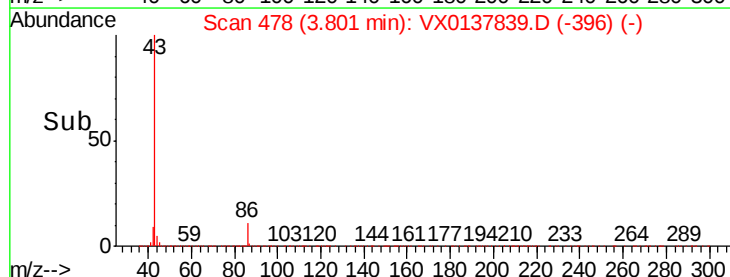
43 100

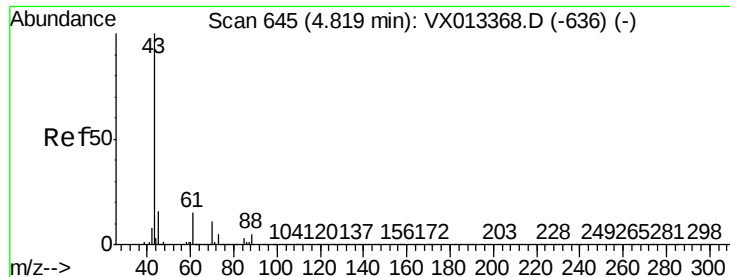
86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

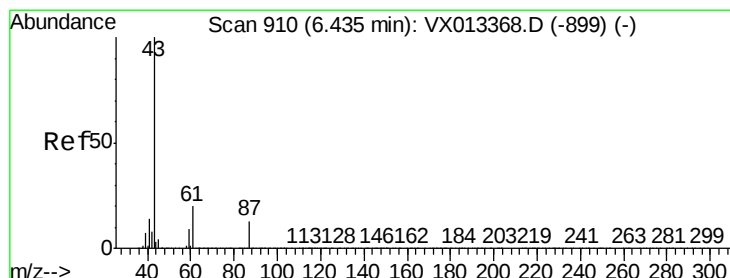
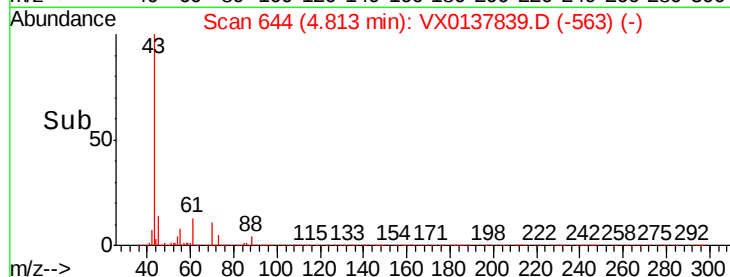
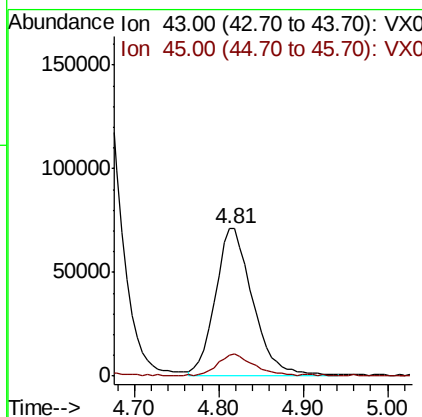
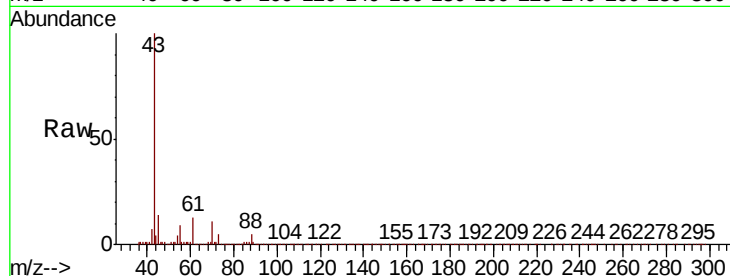




#43
Ethyl Acetate
Concen: 20.850 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

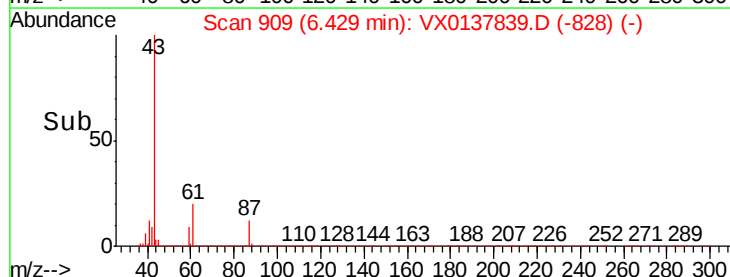
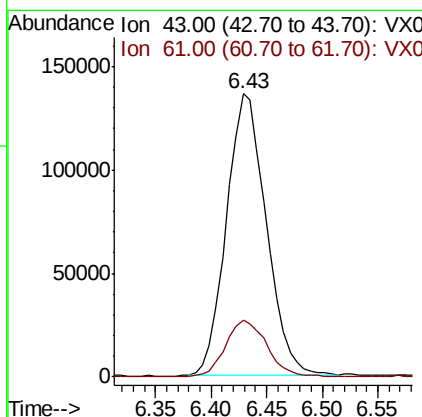
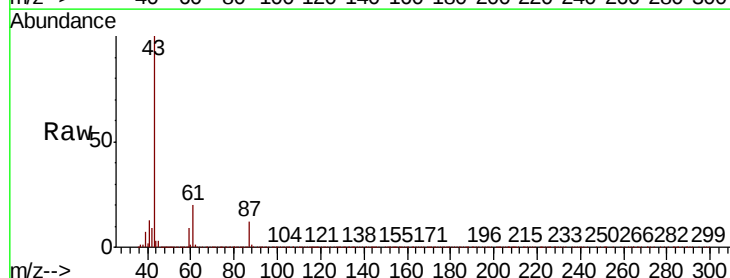
Instrument :
MSVOA_X
ClientSampleId :

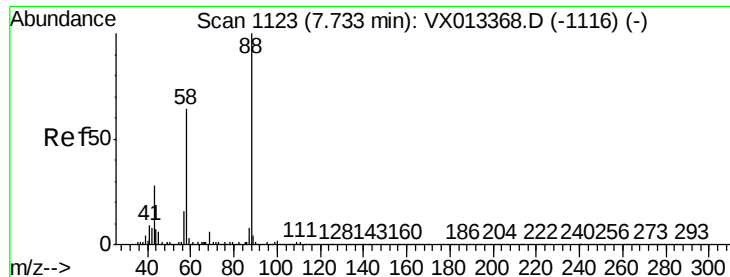
Tot Ion: 43 Resp: 213812
Ion Ratio Lower Upper
43 100
45 14.3 10.9 16.3



#44
Isopropyl Acetate
Concen: 20.564 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 43 Resp: 338982
Ion Ratio Lower Upper
43 100
61 20.6 15.8 23.8





#45

1,4-Dioxane

Concen: 390.925 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

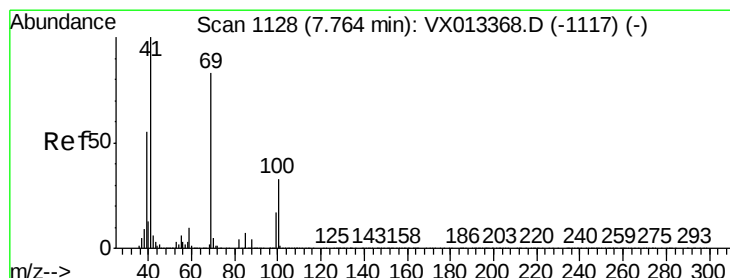
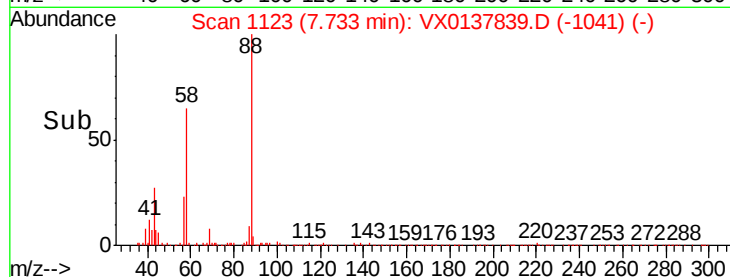
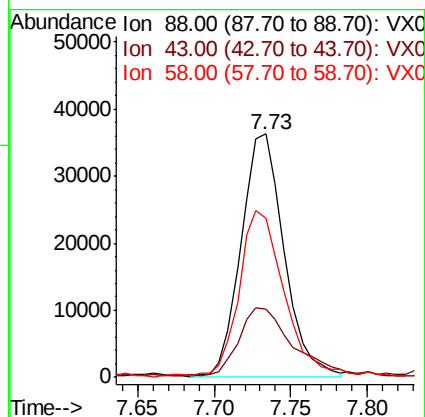
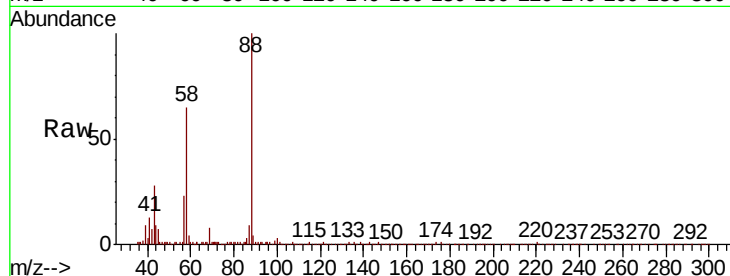
Tot Ion: 88 Resp: 71146

Ion Ratio Lower Upper

88 100

43 33.5 26.1 39.1

58 71.2 55.8 83.8



#46

Methyl methacrylate

Concen: 20.727 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

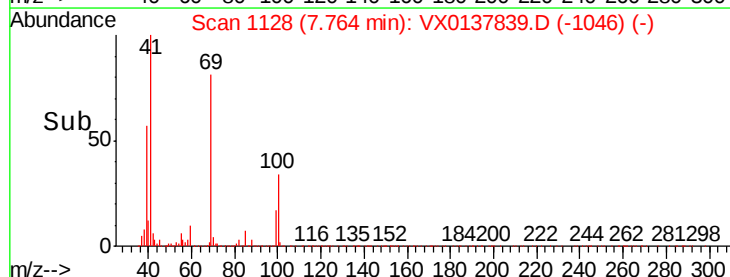
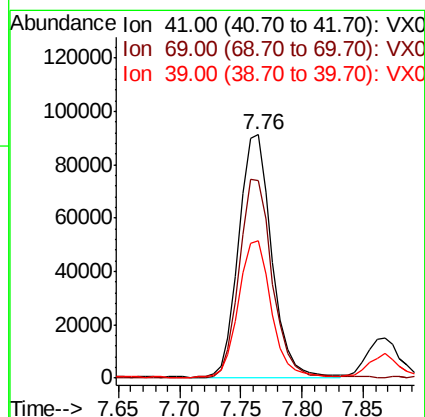
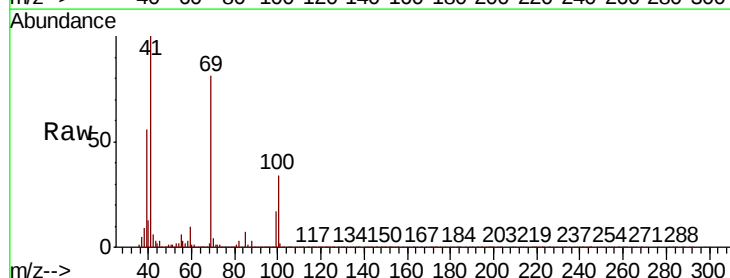
Tgt Ion: 41 Resp: 169955

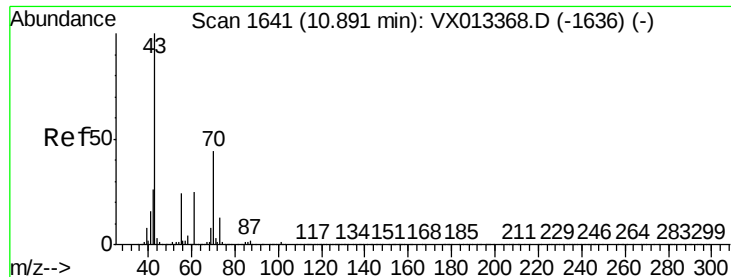
Ion Ratio Lower Upper

41 100

69 81.1 41.4 124.4

39 56.4 27.9 83.6

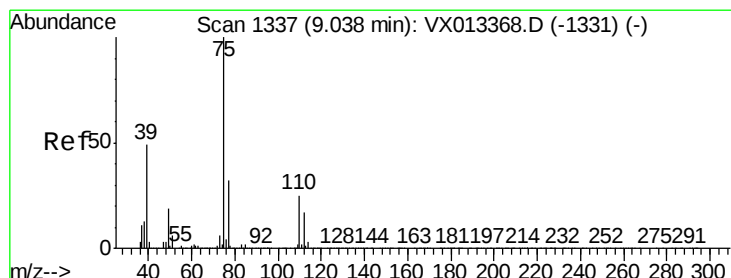
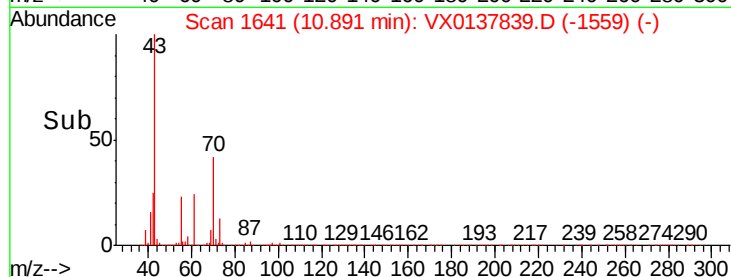
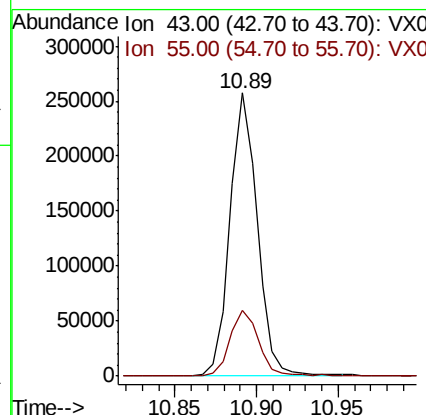
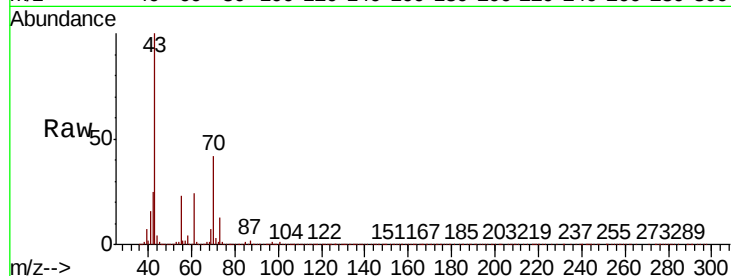




#47
 n-amvl Acetate
 Concen: 20.612 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

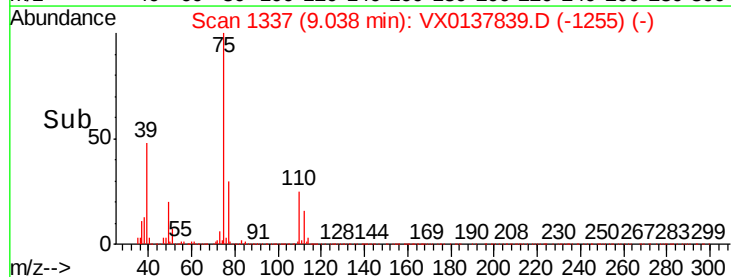
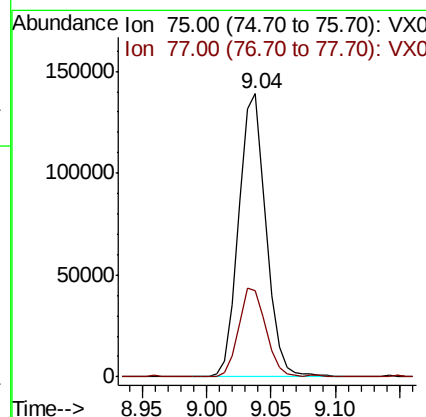
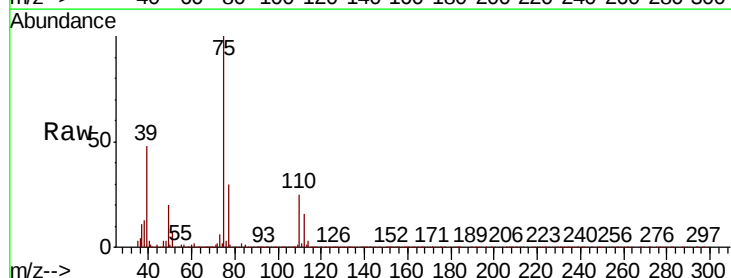
Instrument :
 MSVOA_X
 ClientSampleId :

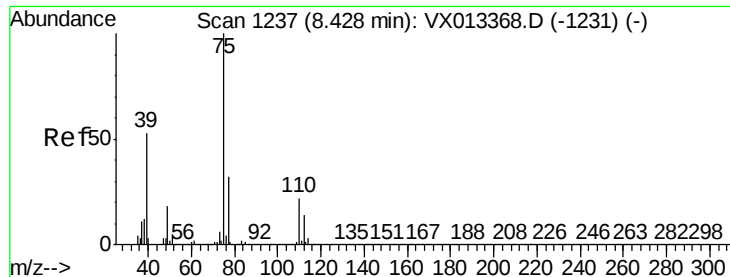
Tot Ion: 43 Resp: 298034
 Ion Ratio Lower Upper
 43 100
 55 24.0 19.0 28.4



#48
 t-1,3-Dichloropropene
 Concen: 21.009 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 75 Resp: 204469
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 21.500 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

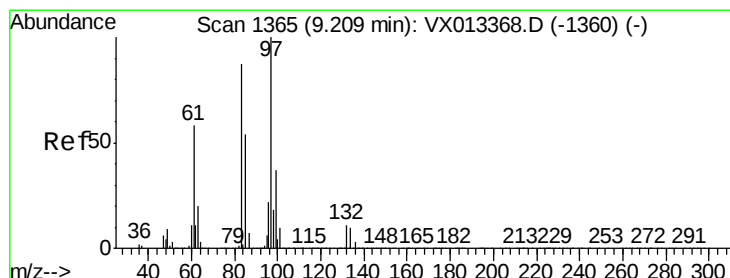
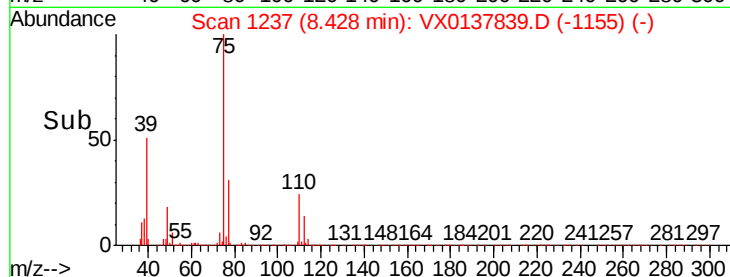
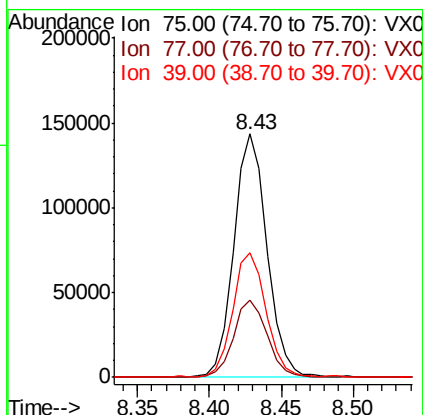
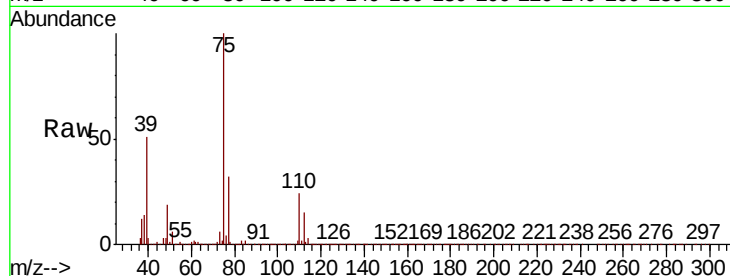
Tot Ion: 75 Resp: 229280

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 51.1 42.2 63.4



#50

1,1,2-Trichloroethane

Concen: 22.138 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 97 Resp: 145649

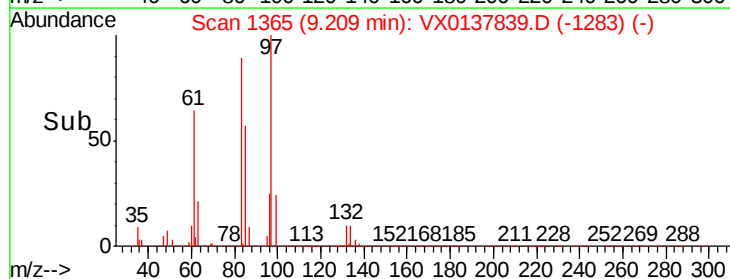
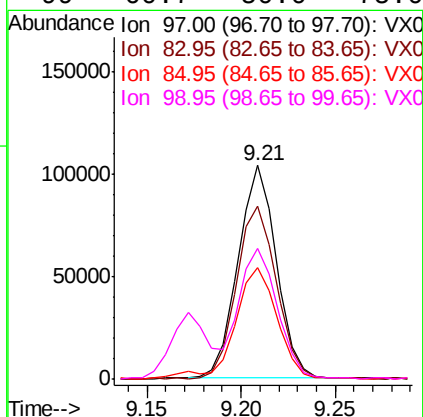
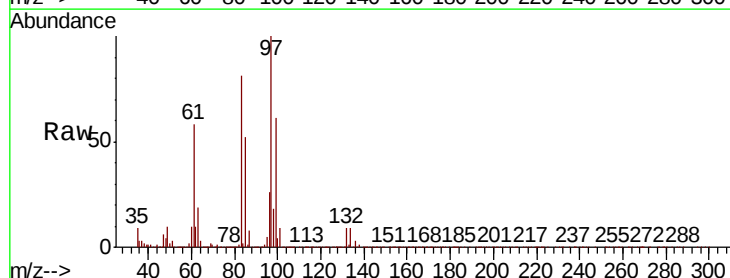
Ion Ratio Lower Upper

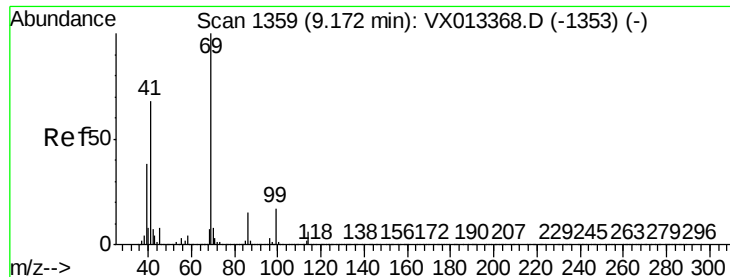
97 100

83 80.9 69.6 104.4

85 52.2 45.5 68.3

99 60.7 50.0 75.0





#51

Ethyl methacrylate

Concen: 21.544 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

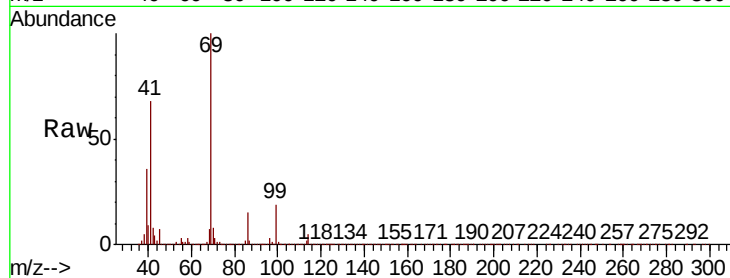
Tot Ion: 69 Resp: 233374

Ion Ratio Lower Upper

69 100

41 68.2 33.9 101.6

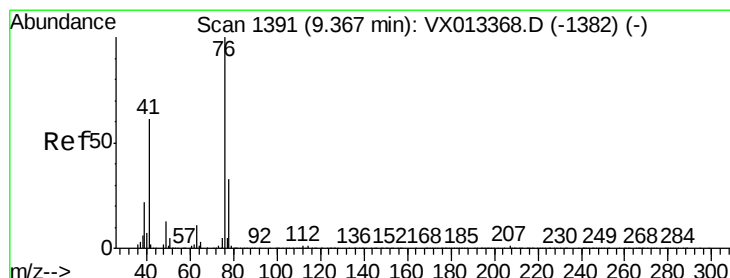
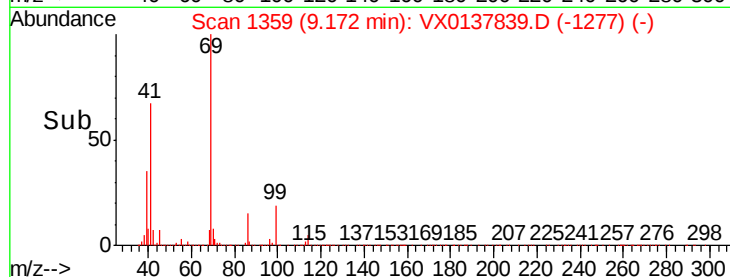
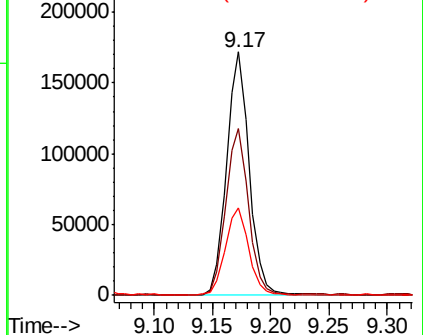
39 35.5 18.8 56.4



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: 21.994 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX0137839.D

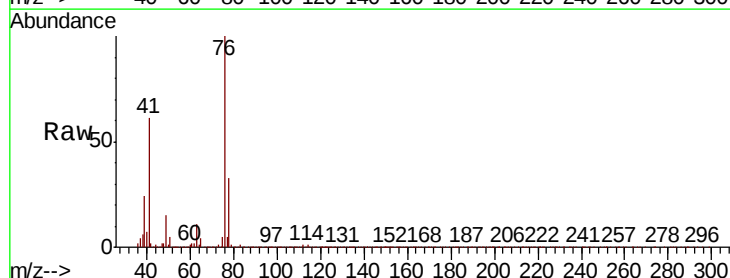
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 76 Resp: 247374

Ion Ratio Lower Upper

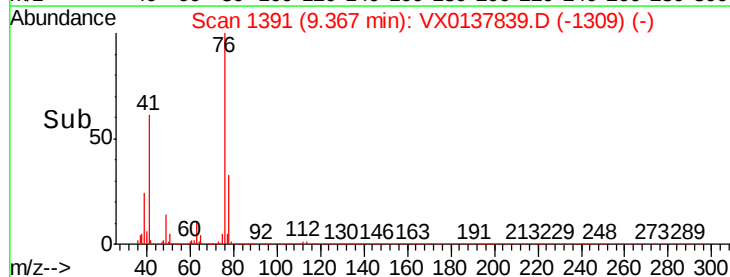
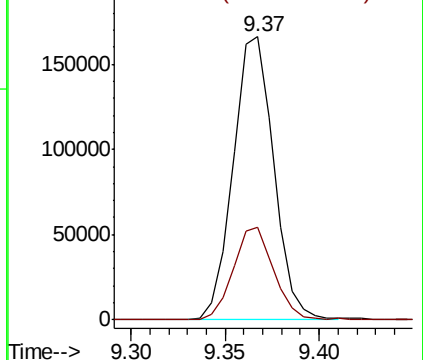
76 100

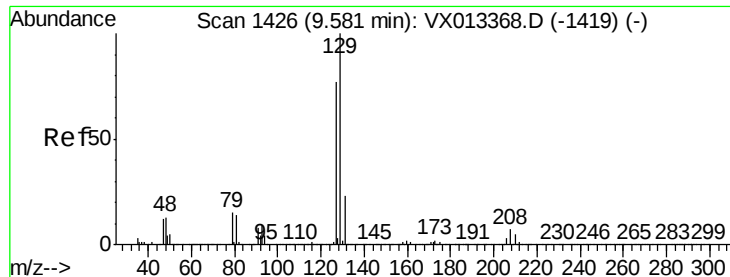
78 32.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 21.384 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

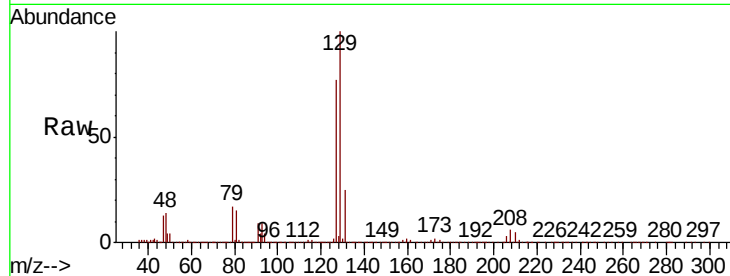
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 149112

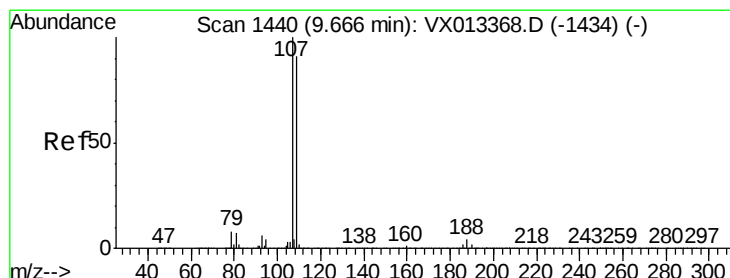
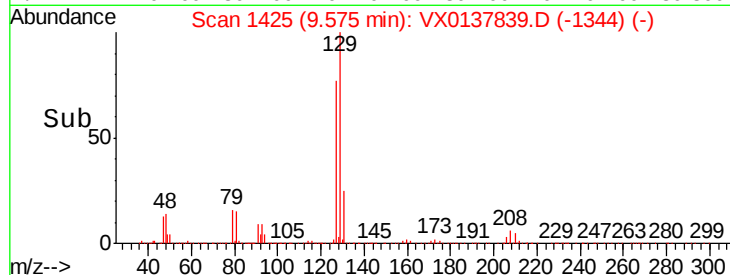
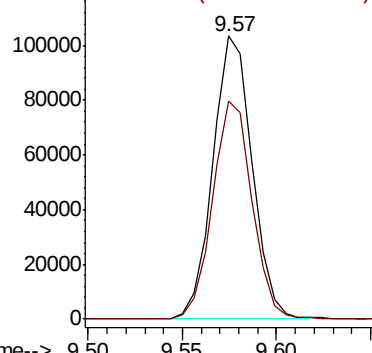
Ion Ratio Lower Upper

129 100

127 77.6 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 22.166 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX0137839.D

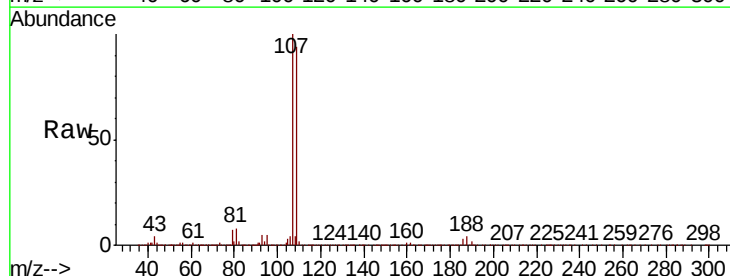
Acq: 07 Dec 2019 02:22 pm

Tgt Ion:107 Resp: 155941

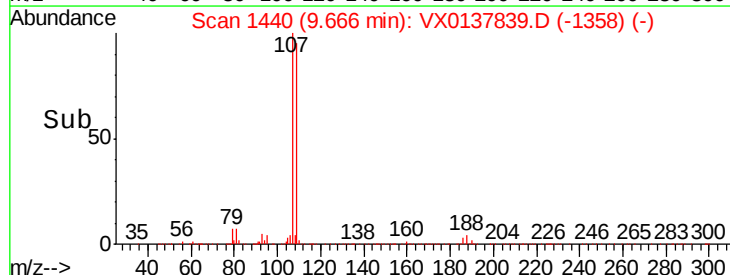
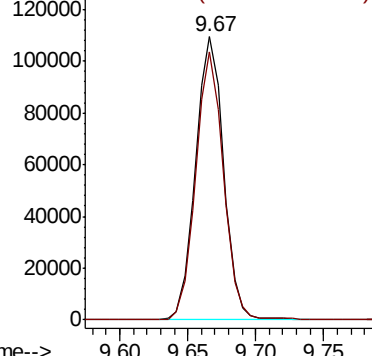
Ion Ratio Lower Upper

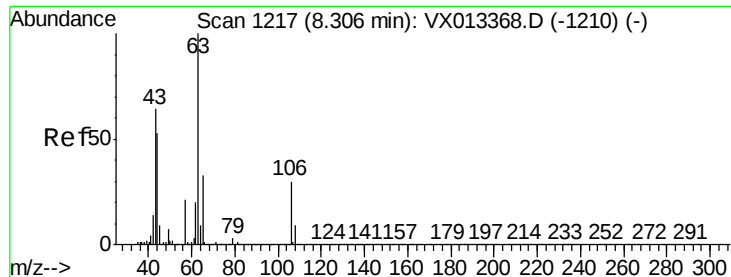
107 100

109 93.1 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

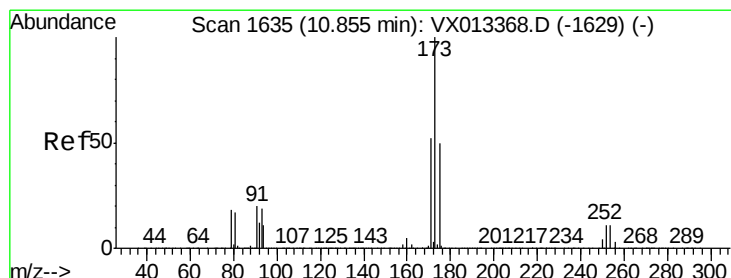
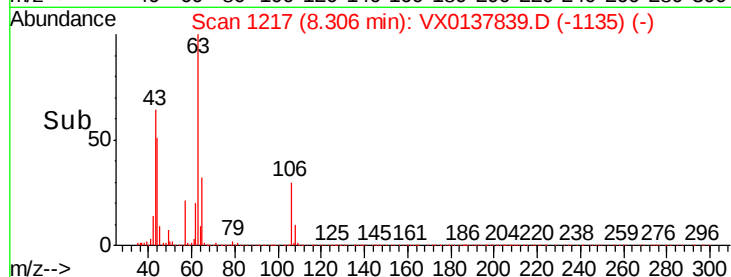
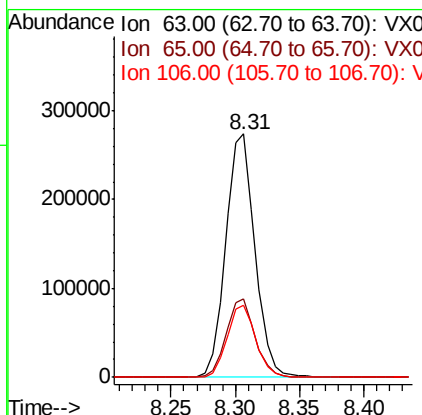
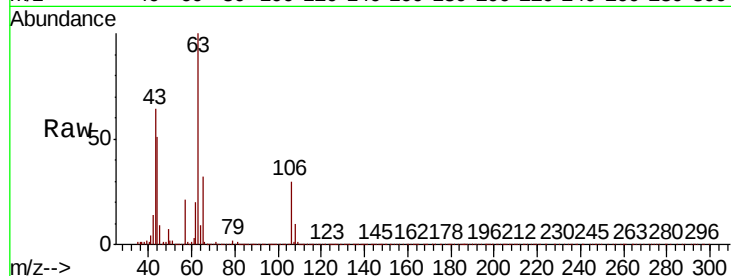




#55
2-Chloroethyl vinyl ether
Concen: 93.439 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

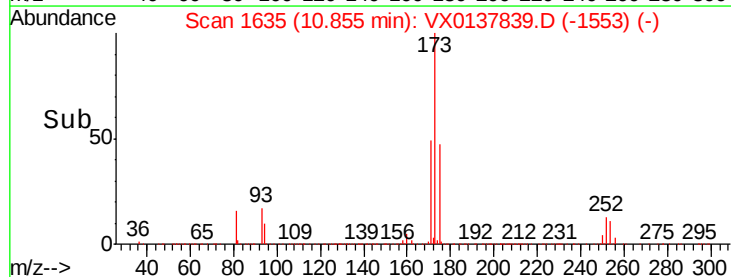
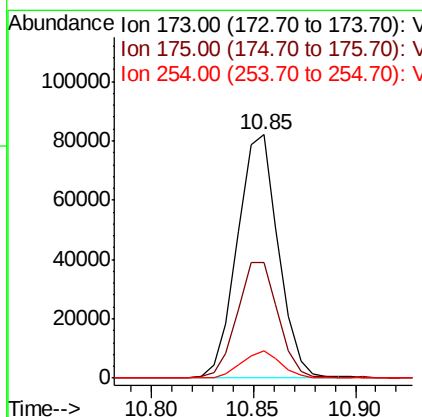
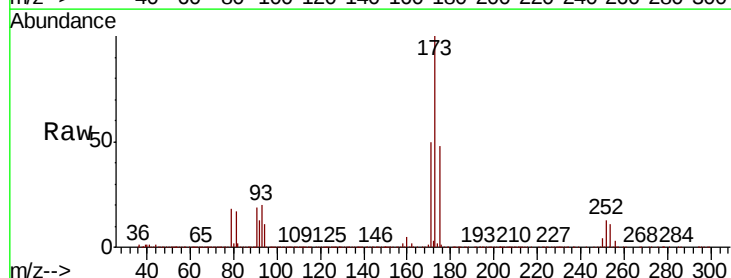
Instrument :
MSVOA_X
ClientSampleId :

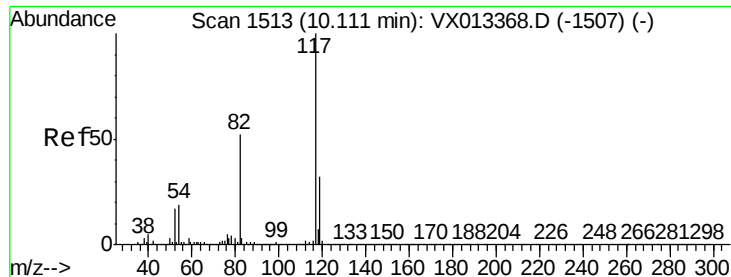
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	26.0	39.0
106	29.3	23.5	35.3



#56
Bromoform
Concen: 20.682 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.4	59.0
254	10.7	8.6	12.8

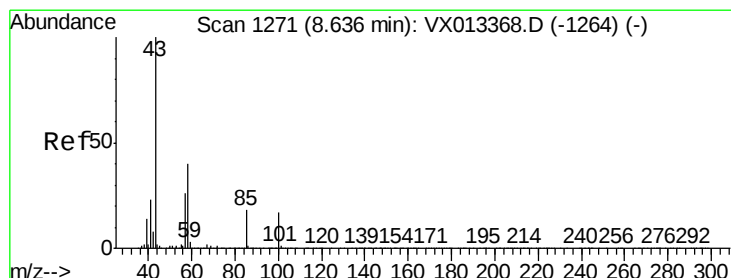
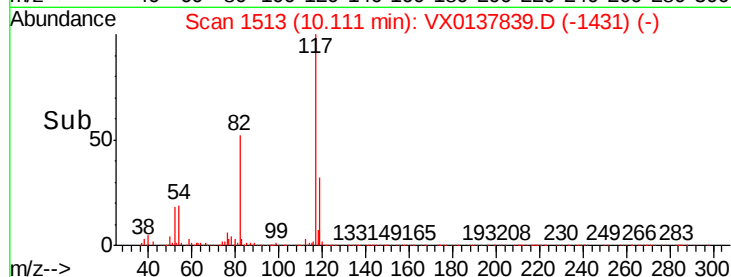
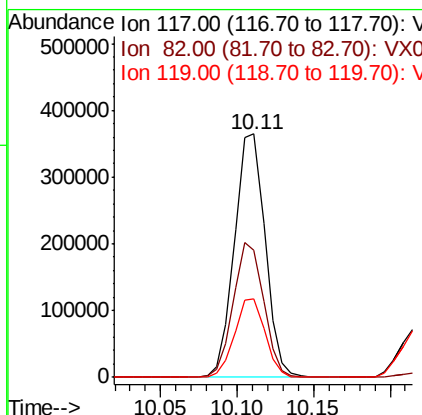
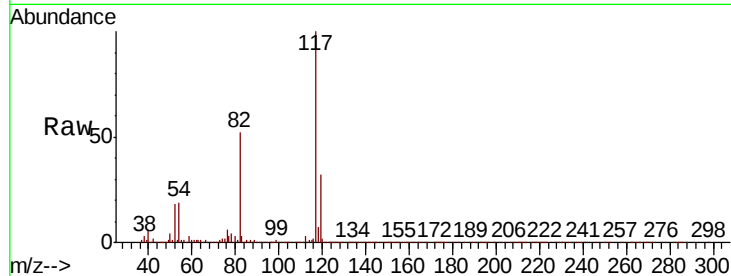




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

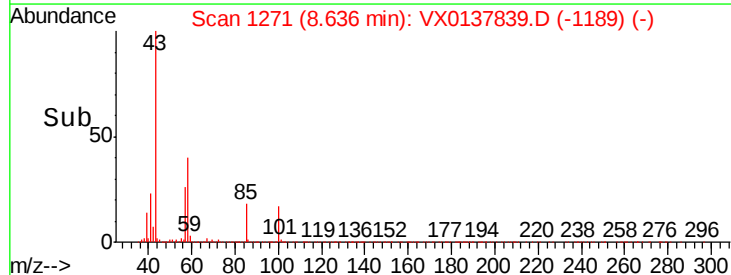
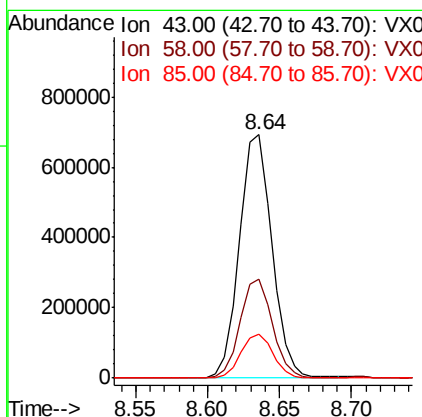
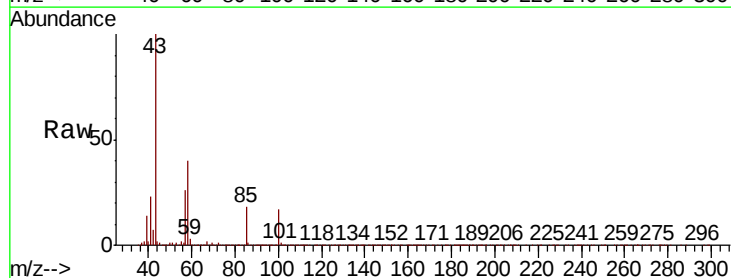
Instrument :
MSVOA_X
ClientSampleId :

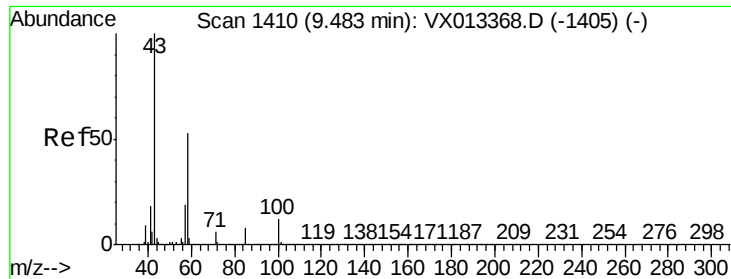
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.7	65.5
119	32.0	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 102.606 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4
85	17.7	14.2	21.2

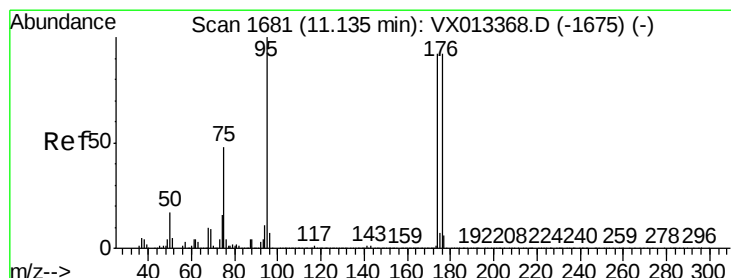
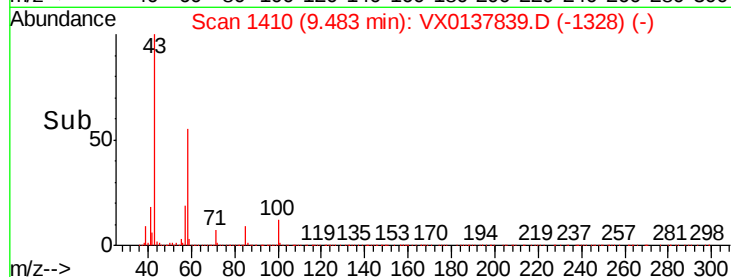
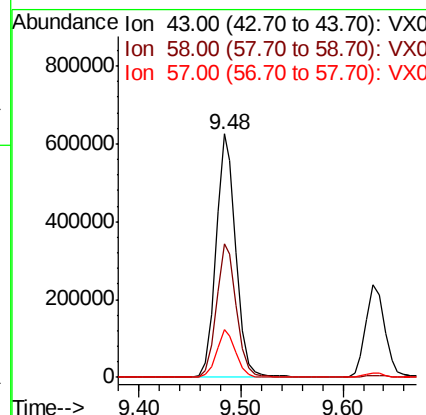
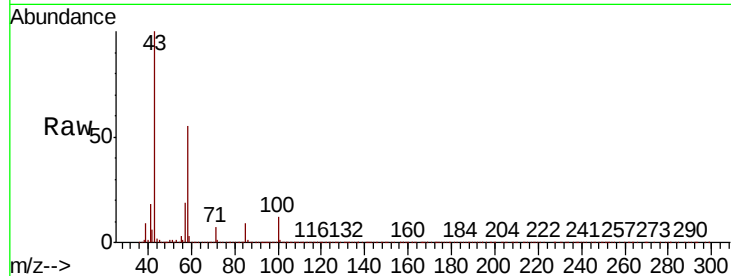




#59
2-Hexanone
Concen: 100.873 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

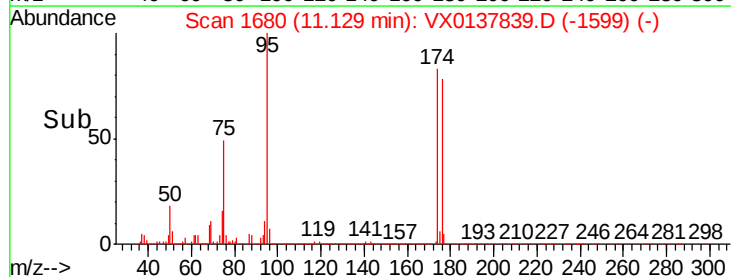
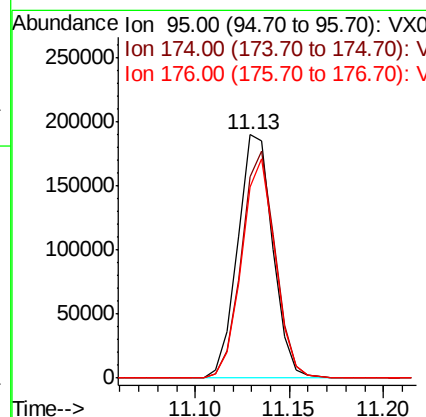
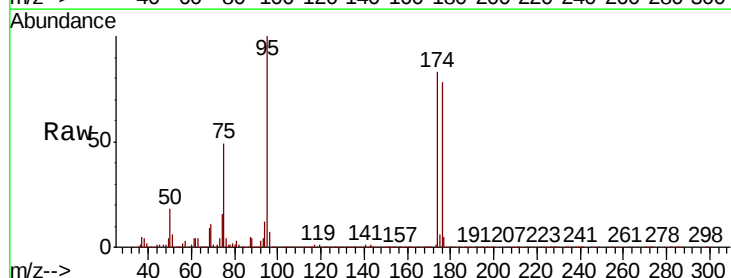
Instrument :
MSVOA_X
ClientSampled :

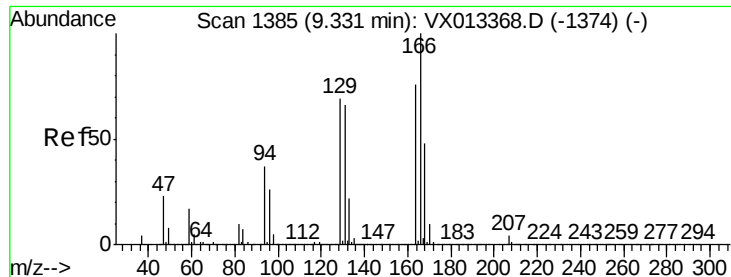
Tot Ion: 43 Resp: 849666
Ion Ratio Lower Upper
43 100
58 55.4 43.8 65.6
57 19.0 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.862 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 95 Resp: 244586
Ion Ratio Lower Upper
95 100
174 89.7 70.2 105.2
176 86.5 68.3 102.5

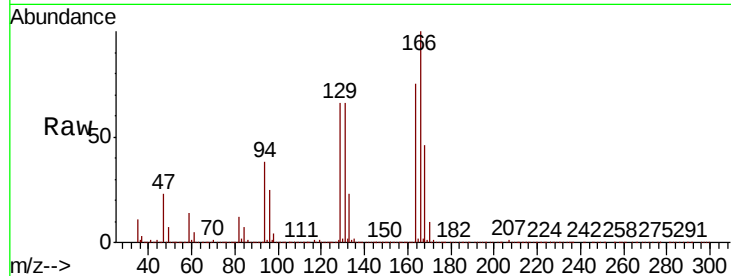




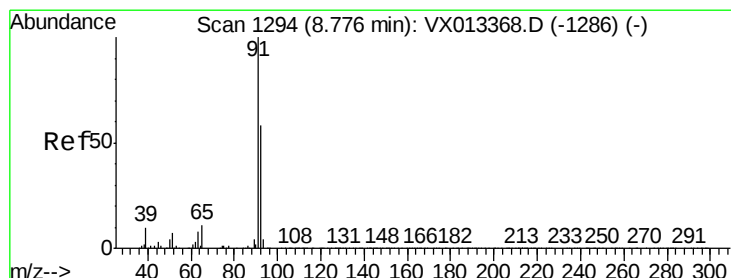
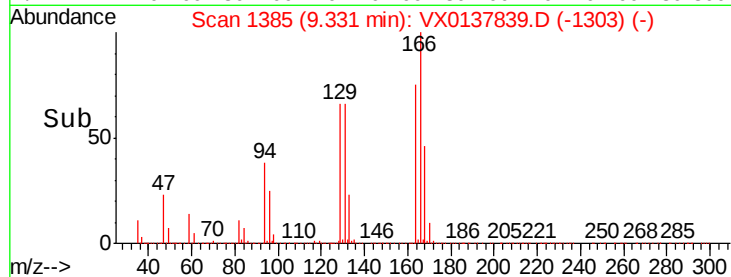
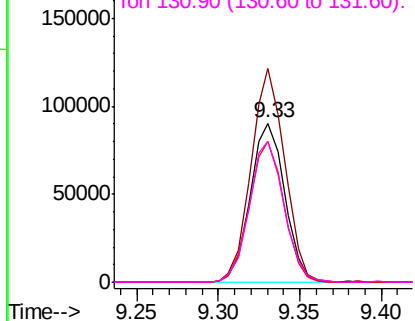
#61
Tetrachloroethene
Concen: 21.218 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.1	104.9	157.3
129	88.5	72.3	108.5
131	88.5	69.0	103.6

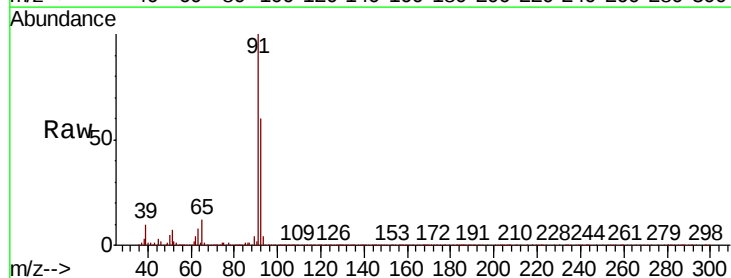


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

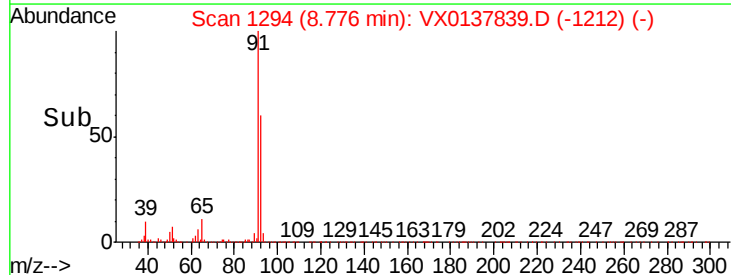
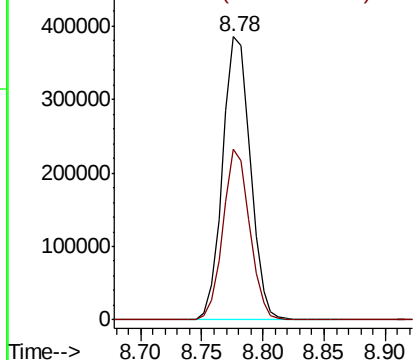


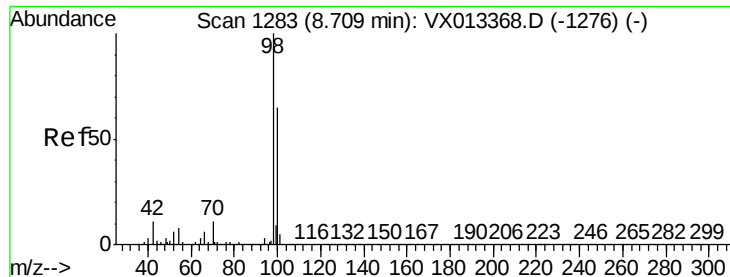
#62
Toluene
Concen: 21.351 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	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: 29.626 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

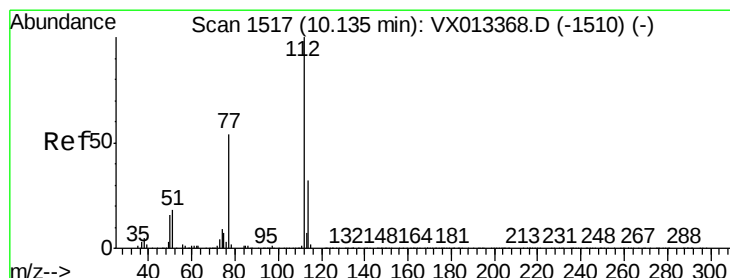
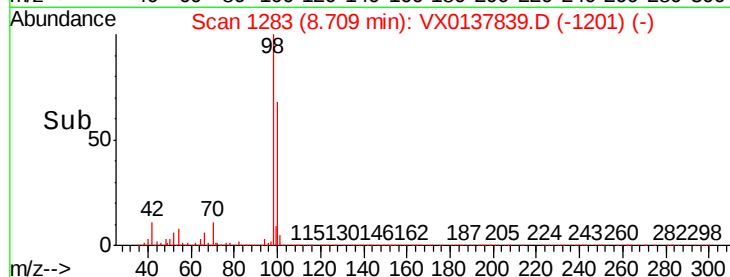
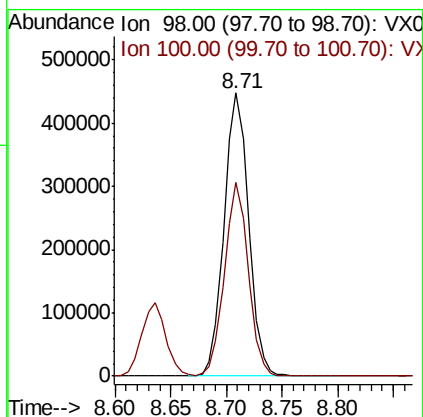
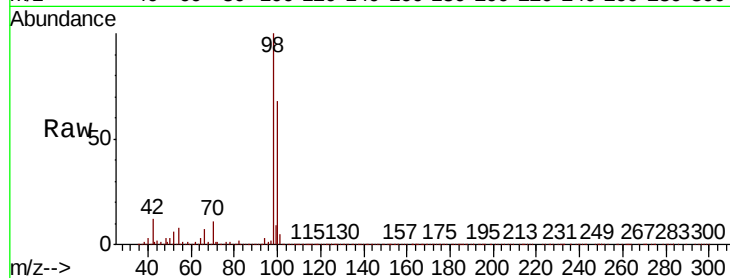
ClientSampleId :

Tot Ion: 98 Resp: 682697

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



#64

Chlorobenzene

Concen: 21.501 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX0137839.D

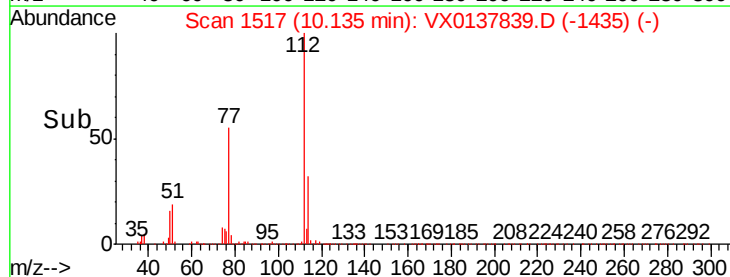
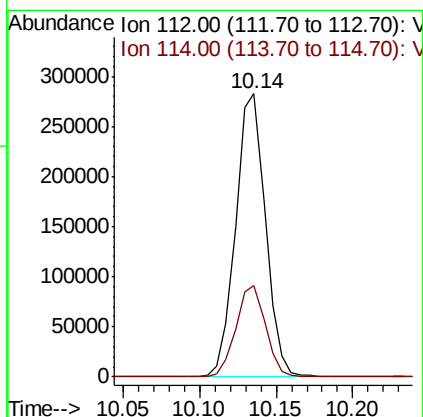
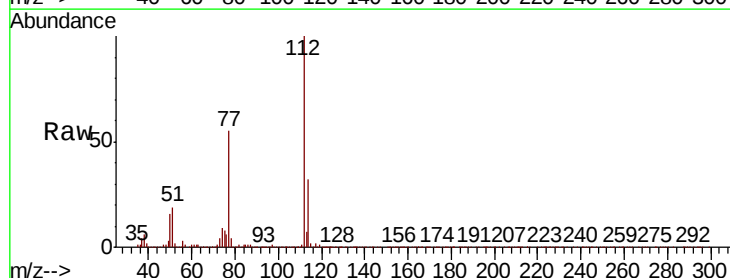
Acq: 07 Dec 2019 02:22 pm

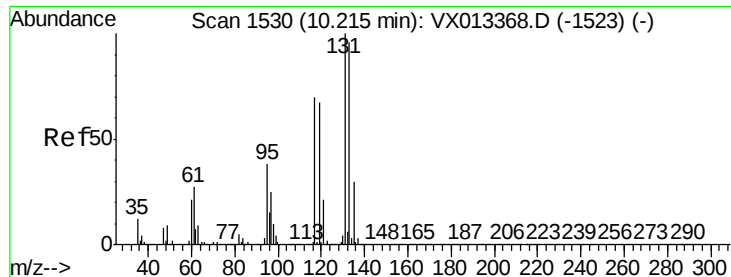
Tgt Ion: 112 Resp: 381597

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5

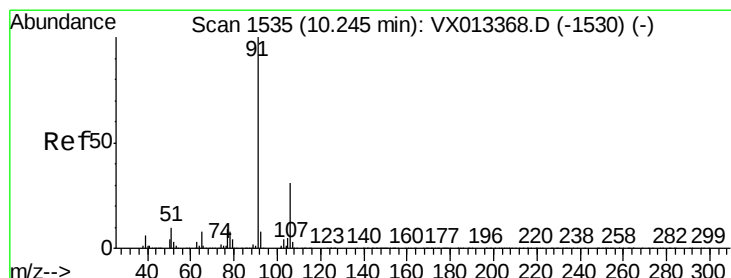
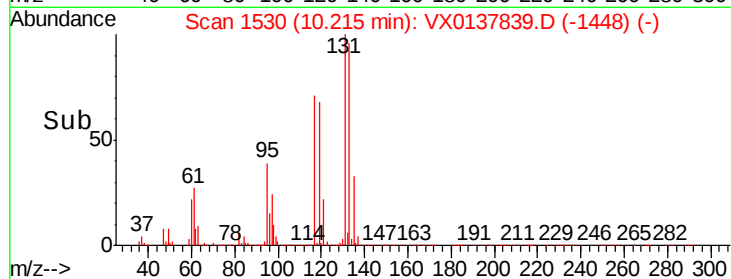
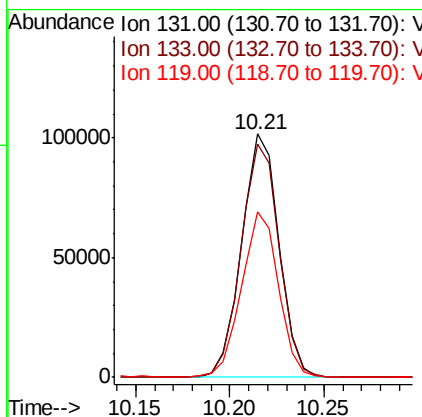
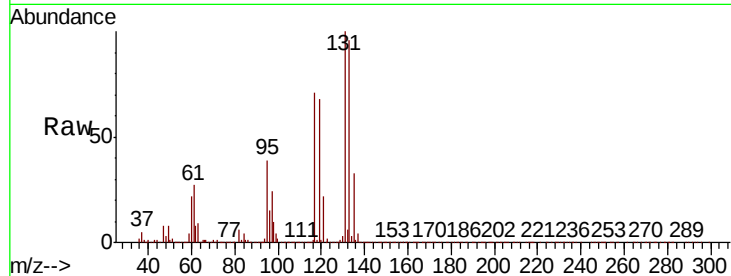




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.052 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

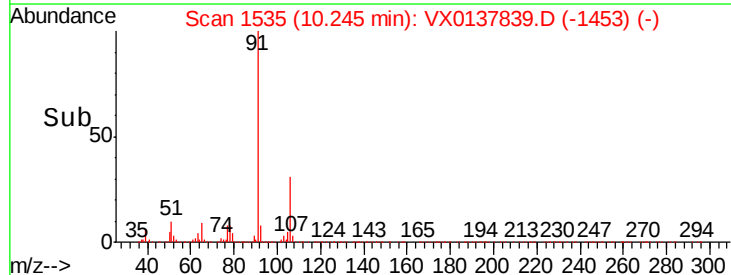
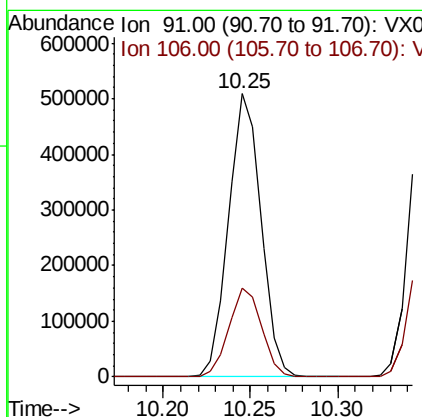
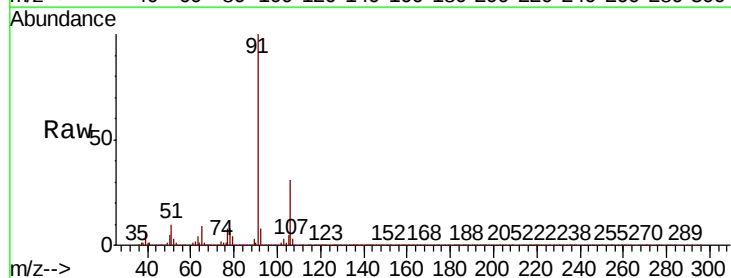
Instrument :
 MSVOA_X
 ClientSampleId :

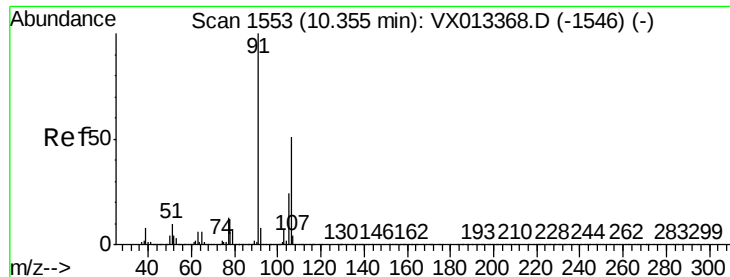
Tot Ion	Ratio	Lower	Upper
131	100		
133	97.5	0.0	192.2
119	66.9	0.0	134.4



#66
 Ethyl Benzene
 Concen: 21.110 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4

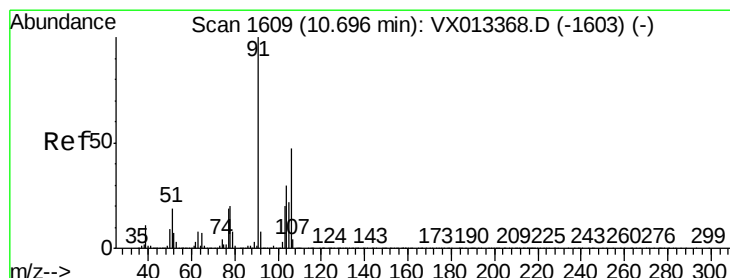
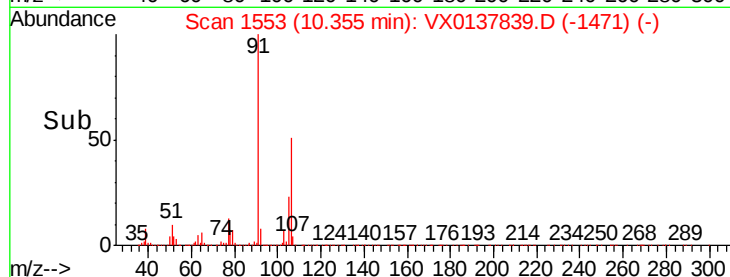
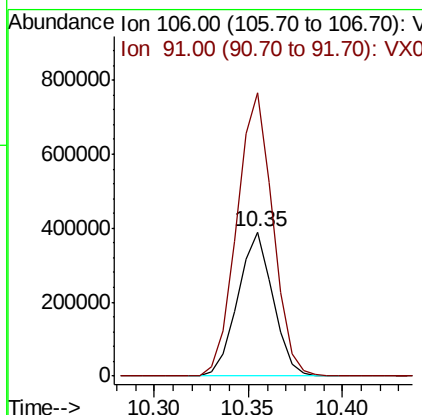
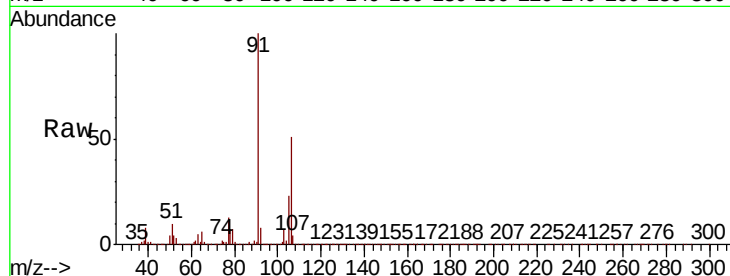




#67
m/p-Xvlenes
Concen: 41.704 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

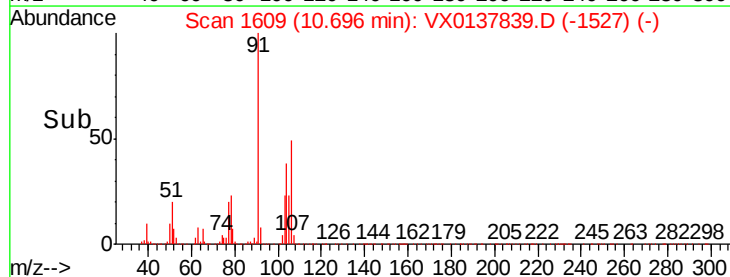
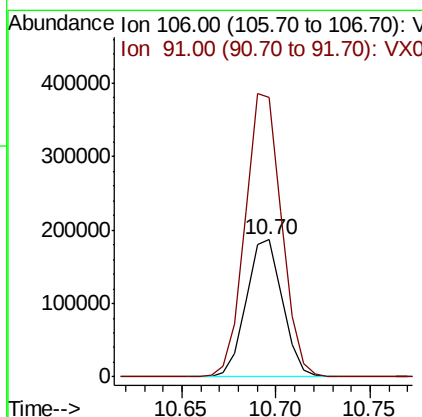
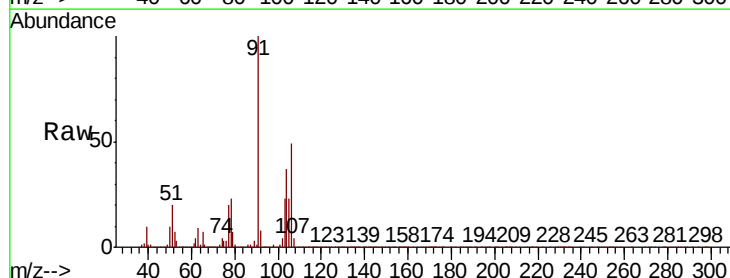
Instrument :
MSVOA_X
ClientSampled :

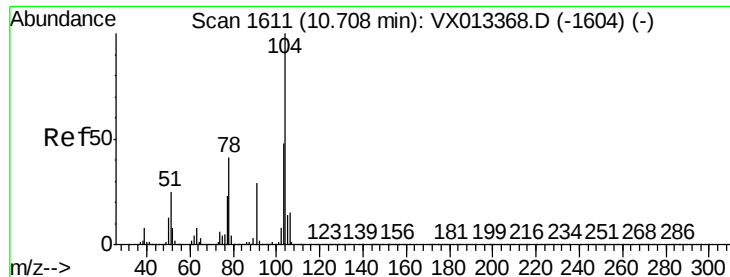
Tot Ion:106 Resp: 501664
Ion Ratio Lower Upper
106 100
91 202.2 158.4 237.6



#68
o-Xylene
Concen: 21.385 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion:106 Resp: 248259
Ion Ratio Lower Upper
106 100
91 207.6 106.4 319.2

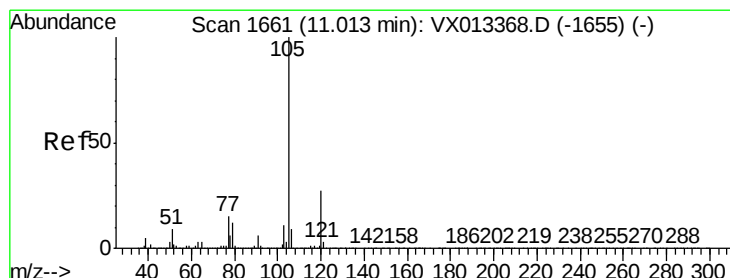
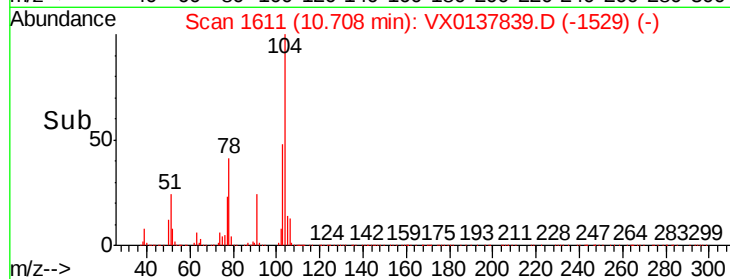
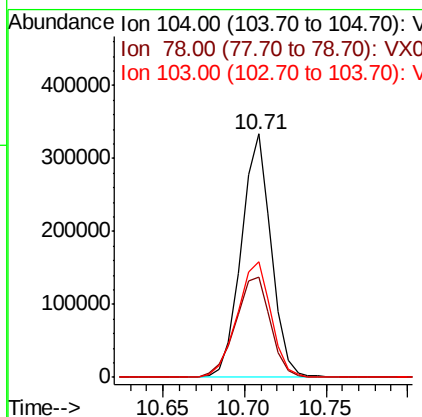
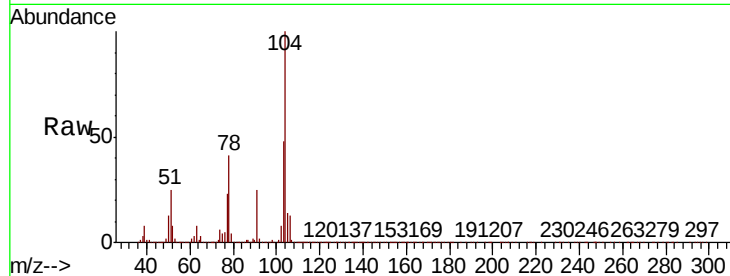




#69
Stvrene
Concen: 21.449 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

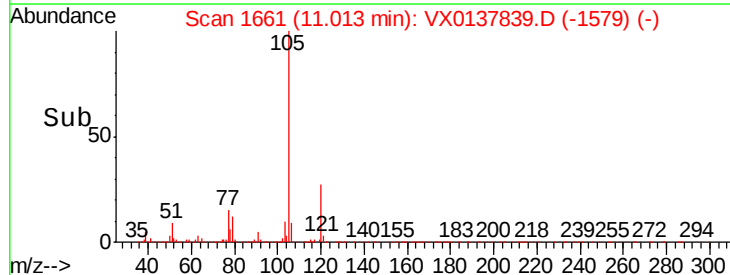
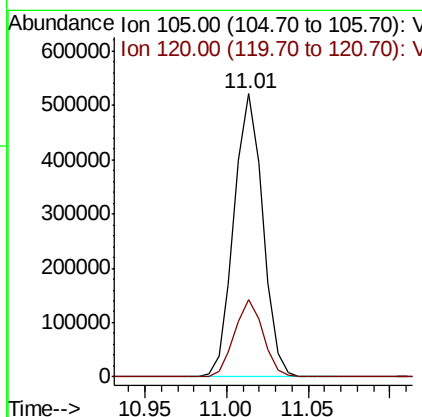
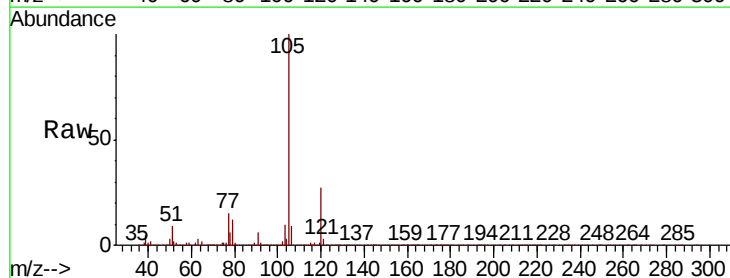
Instrument :
MSVOA_X
ClientSampleId :

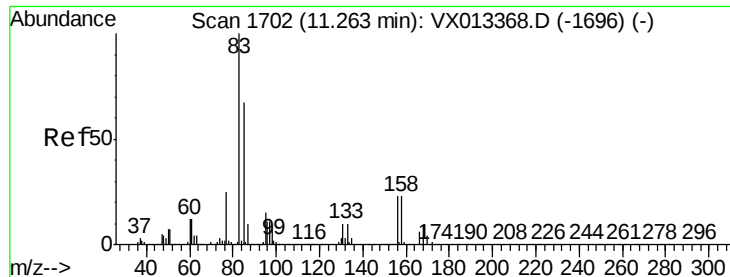
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.4
103	54.1	43.2	64.8



#70
Isopropylbenzene
Concen: 21.052 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.8	34.8

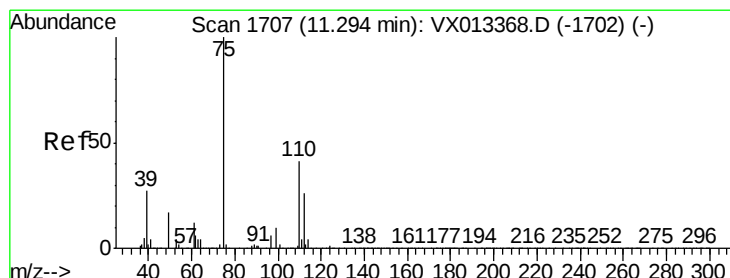
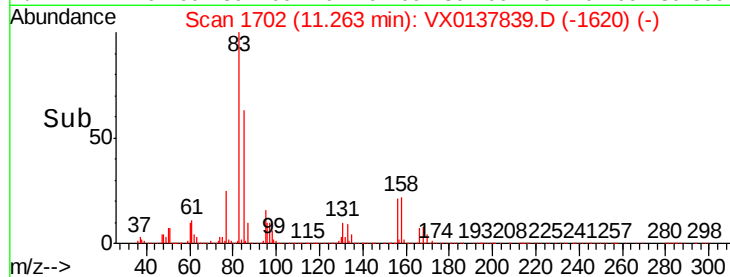
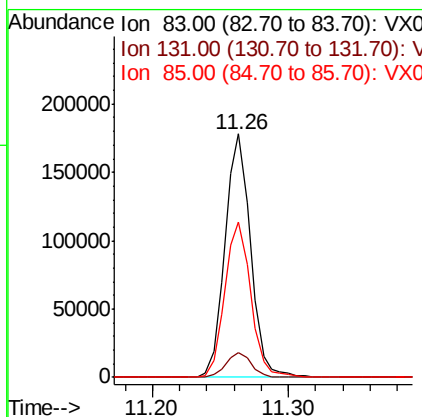
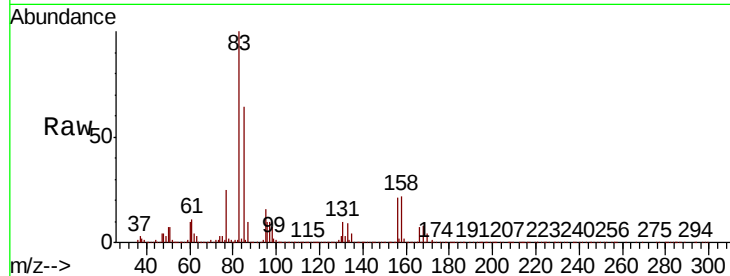




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.162 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

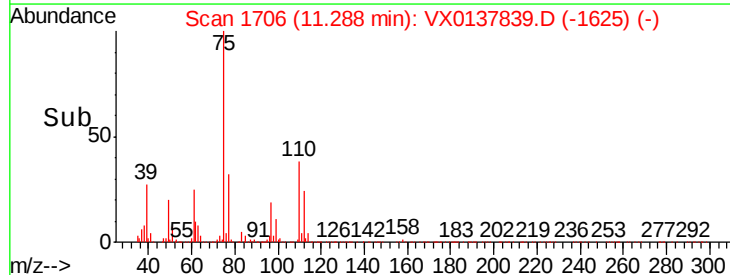
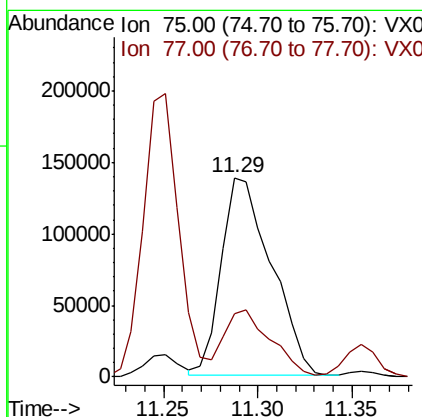
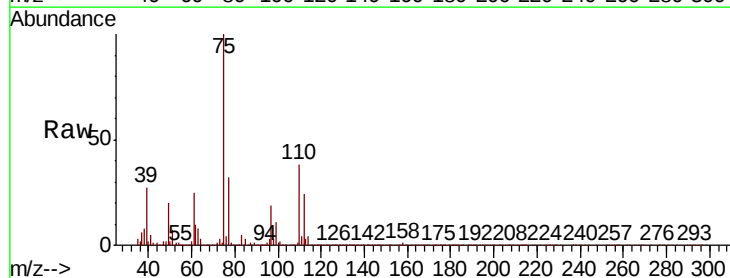
Instrument :
 MSVOA_X
 ClientSampleId :

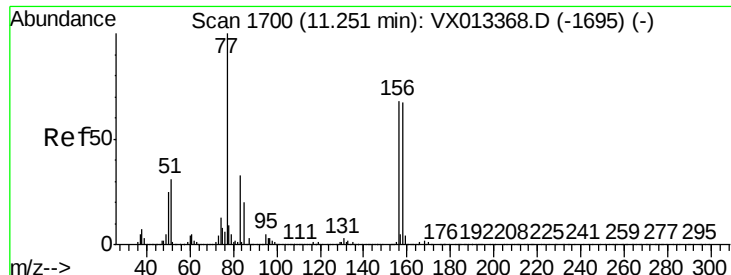
Tot Ion	83	Resp	231784
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	65.1	32.6	97.7



#72
 1,2,3-Trichloropropane
 Concen: 27.493 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion	75	Resp	254260
Ion Ratio	100	Lower	Upper
75	100		
77	29.3	0.0	86.2





#73

Bromobenzene

Concen: 21.305 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampled :

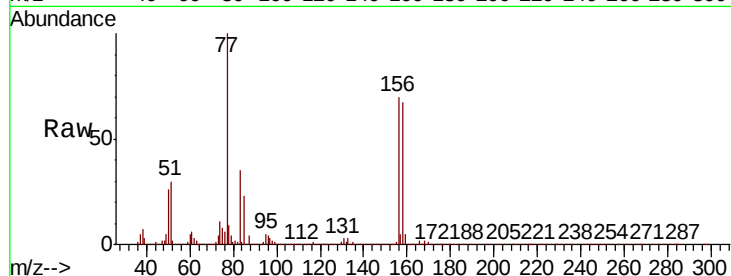
Tot Ion:156 Resp: 171871

Ion Ratio Lower Upper

156 100

77 152.8 0.0 308.8

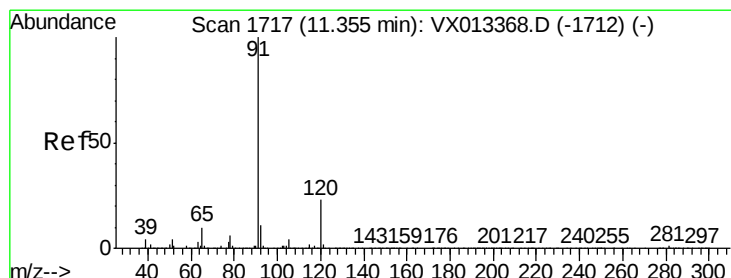
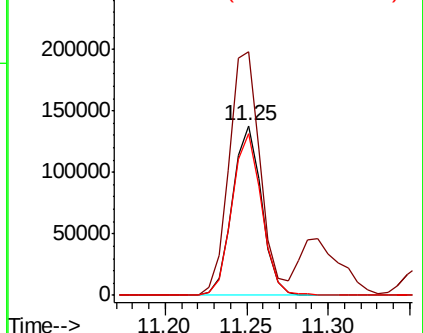
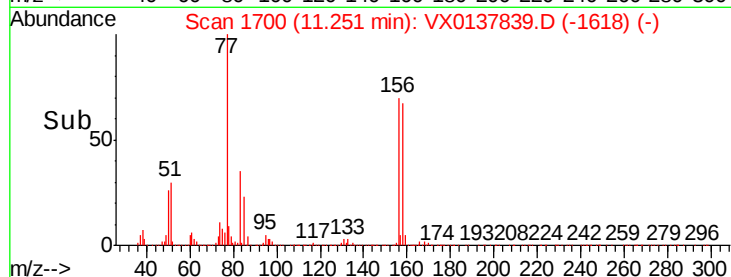
158 96.3 0.0 197.0



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: 20.977 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX0137839.D

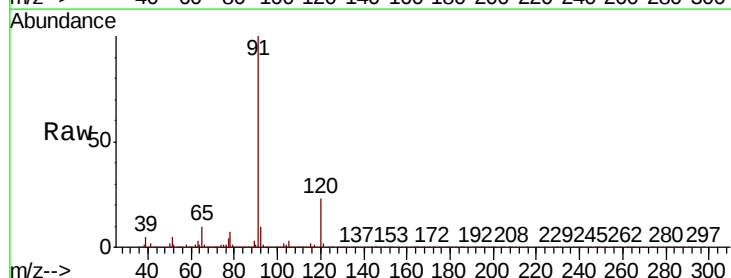
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 91 Resp: 729243

Ion Ratio Lower Upper

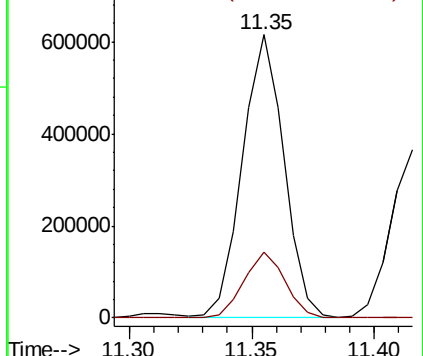
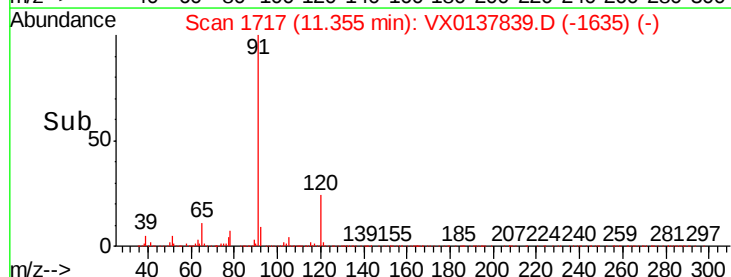
91 100

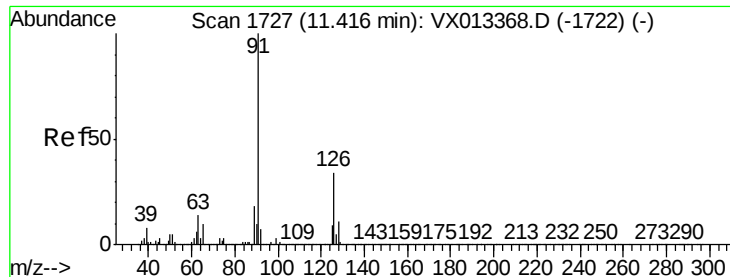
120 23.2 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.381 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

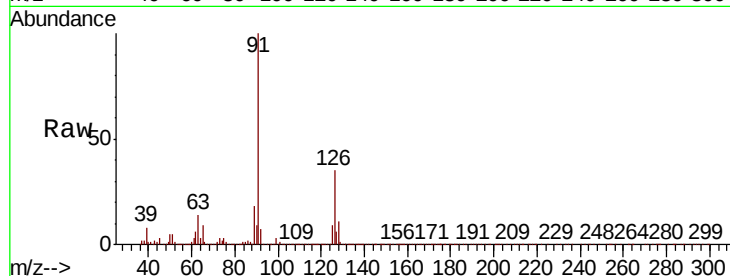
ClientSampleId :

Tot Ion: 91 Resp: 441996

Ion Ratio Lower Upper

91 100

126 35.1 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VX013368.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013368.D (-1722) (-)

600000

400000

200000

0

11.35 11.40 11.45

Abundance

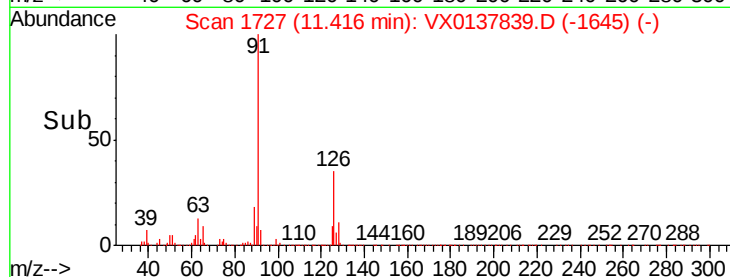
600000

400000

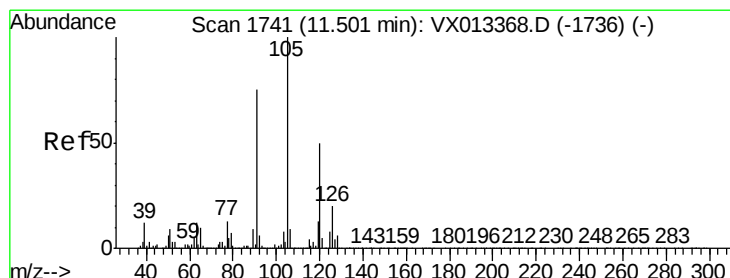
200000

0

11.35 11.40 11.45



Time--> 11.35 11.40 11.45



#76

1,3,5-Trimethylbenzene

Concen: 21.131 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX0137839.D

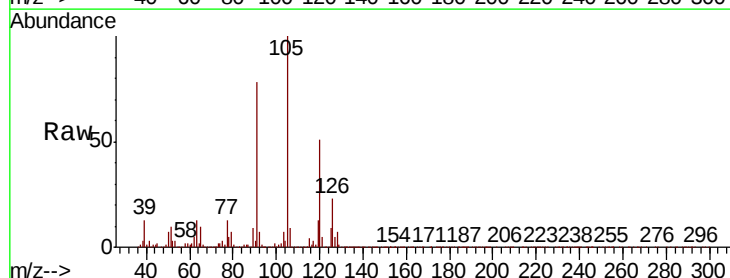
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 105 Resp: 543339

Ion Ratio Lower Upper

105 100

120 50.9 0.0 100.0



Abundance Ion 105.00 (104.70 to 105.70): VX013368.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013368.D (-1736) (-)

500000

400000

300000

200000

100000

0

11.45 11.50 11.55

Abundance

500000

400000

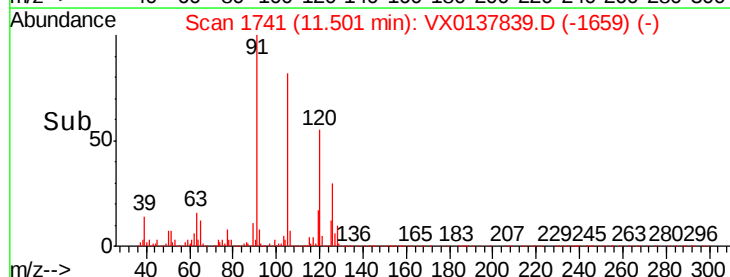
300000

200000

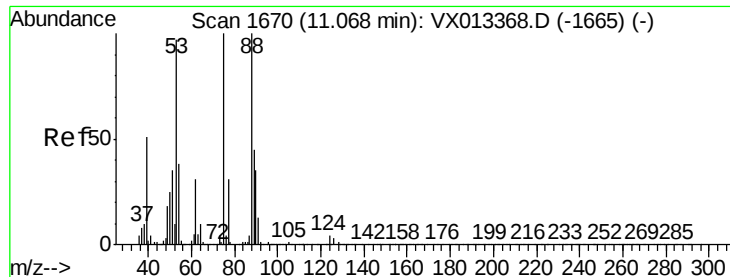
100000

0

11.45 11.50 11.55



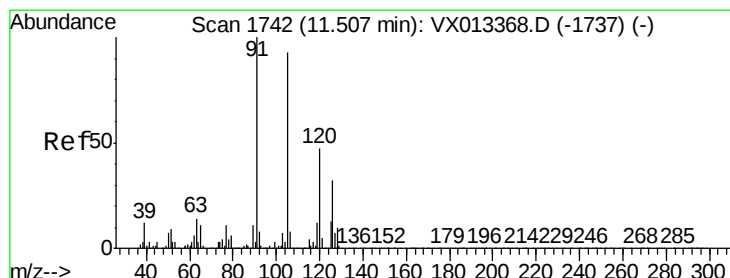
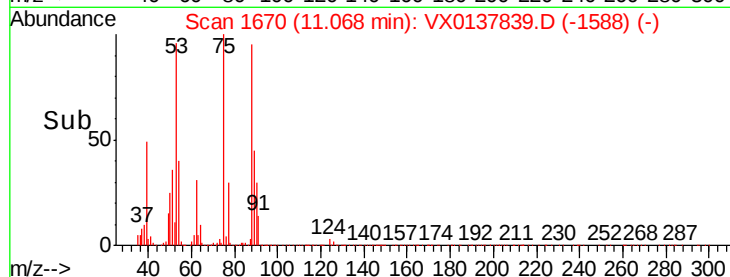
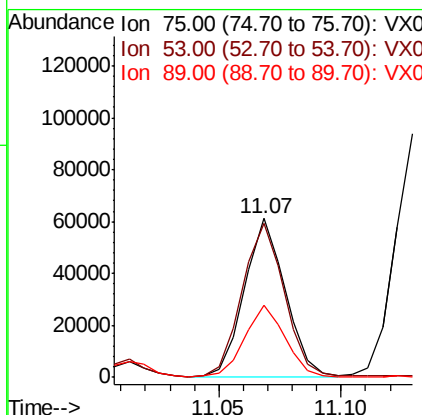
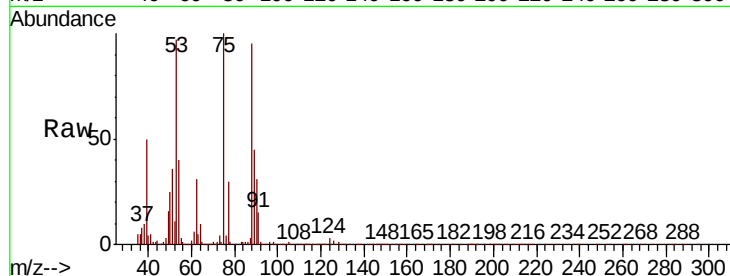
Time--> 11.45 11.50 11.55



#77
t-1,4-Dichloro-2-butene
Concen: 19.020 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

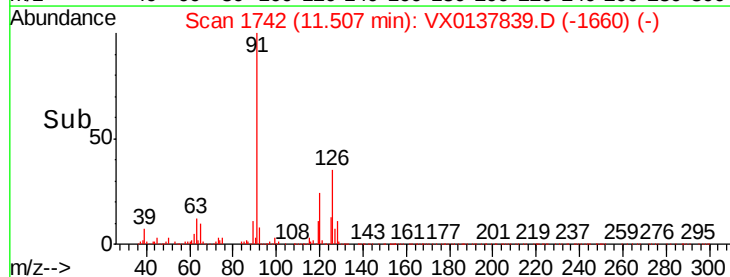
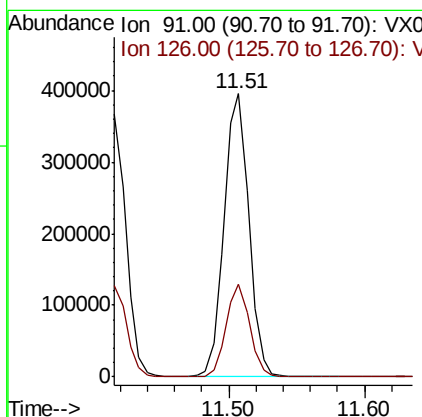
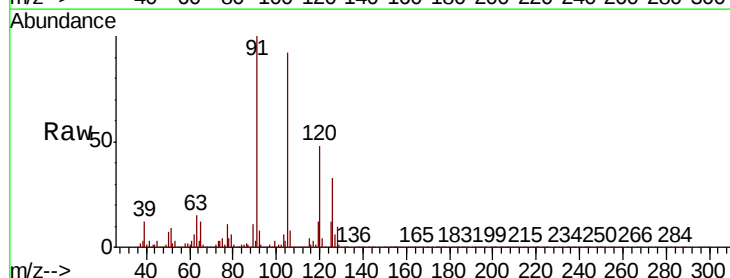
Instrument :
MSVOA_X
ClientSampleId :

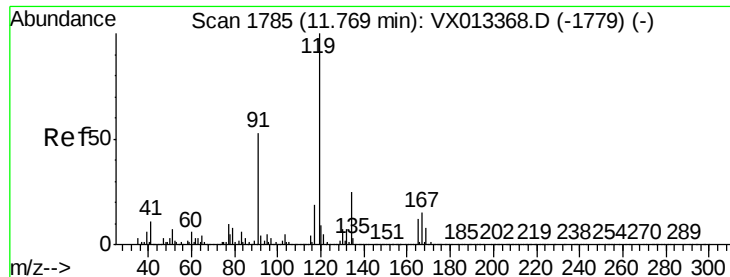
Tot Ion: 75 Resp: 71125
Ion Ratio Lower Upper
75 100
53 96.6 48.8 146.3
89 44.9 22.3 66.8



#78
4-Chlorotoluene
Concen: 21.071 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion: 91 Resp: 499076
Ion Ratio Lower Upper
91 100
126 31.1 0.0 61.0





#79

tert-butylbenzene

Concen: 20.349 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

ClientSampleId :

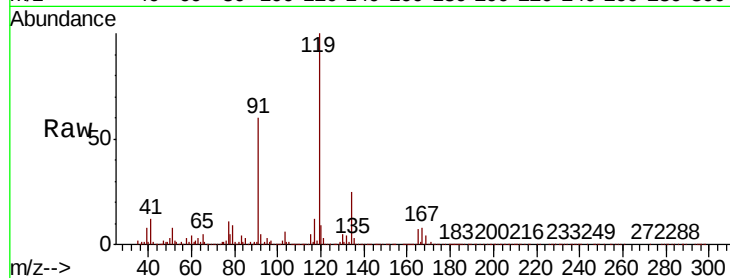
Tot Ion:119 Resp: 527901

Ion Ratio Lower Upper

119 100

91 55.6 0.0 109.6

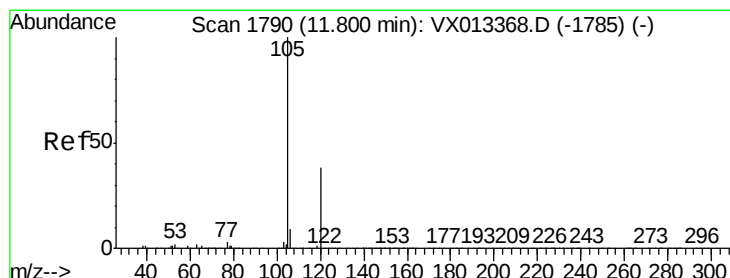
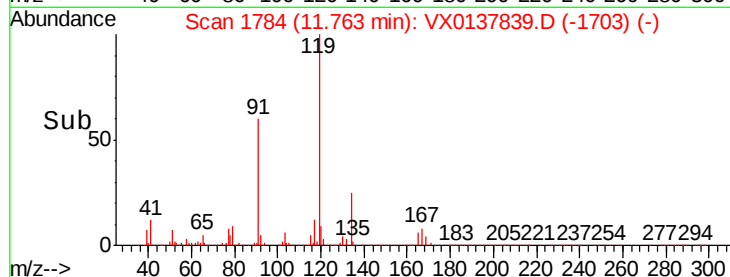
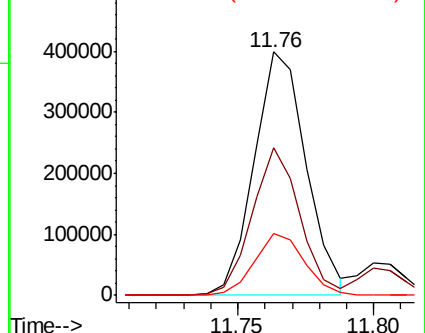
134 24.4 0.0 47.8



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: 21.269 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX0137839.D

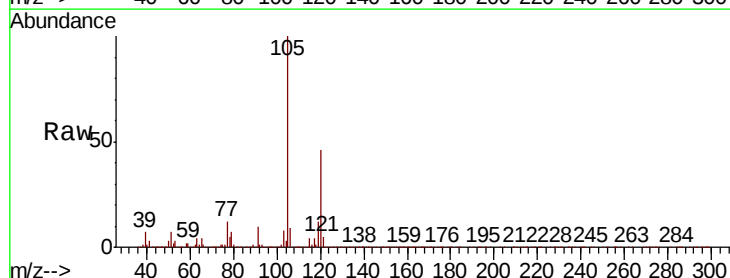
Acq: 07 Dec 2019 02:22 pm

Tgt Ion:105 Resp: 544987

Ion Ratio Lower Upper

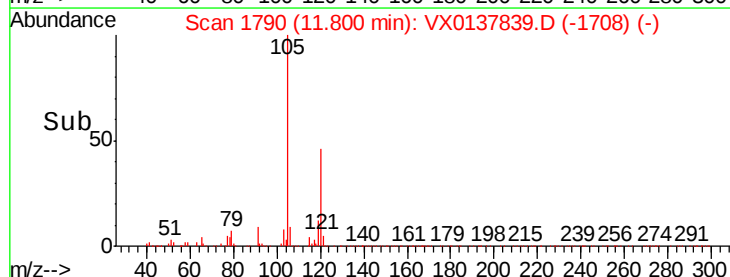
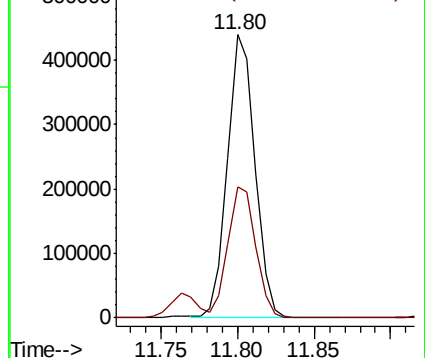
105 100

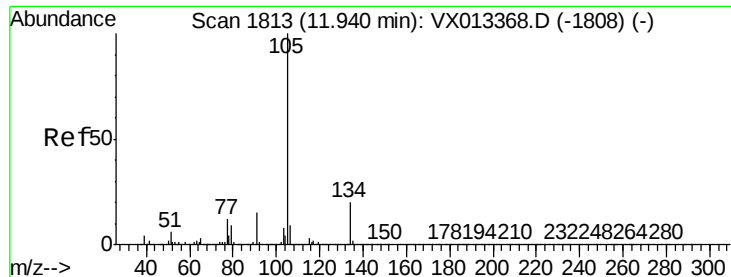
120 47.0 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.456 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

Instrument :

MSVOA_X

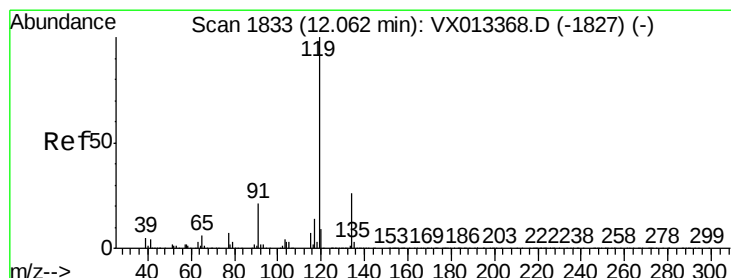
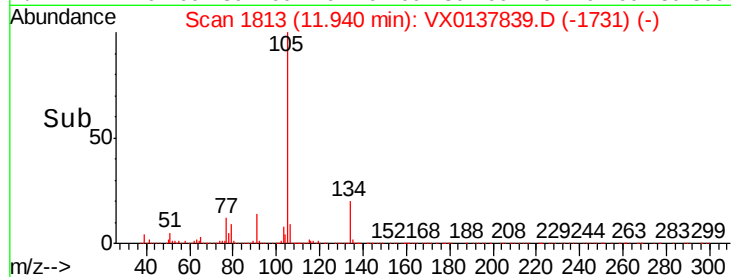
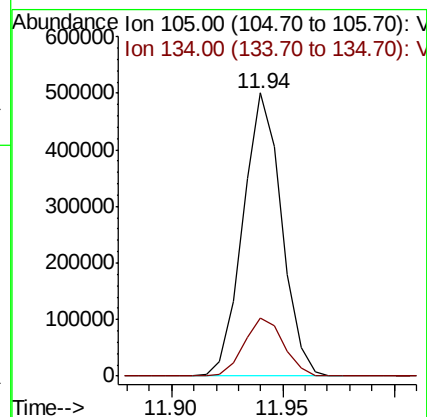
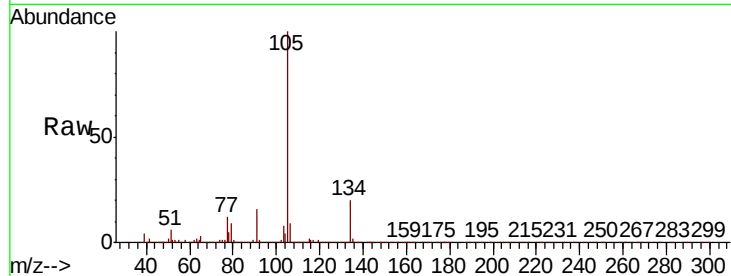
ClientSampleId :

Tot Ion:105 Resp: 605485

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.2



#82

p-Isopropyltoluene

Concen: 20.904 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX0137839.D

Acq: 07 Dec 2019 02:22 pm

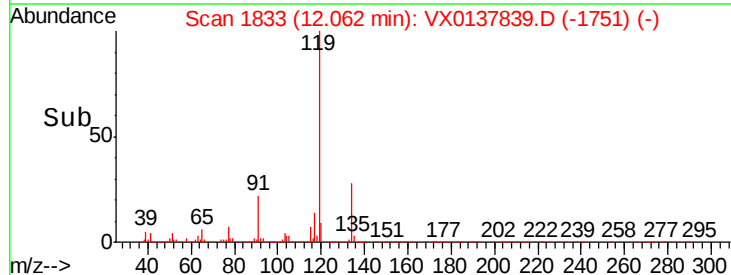
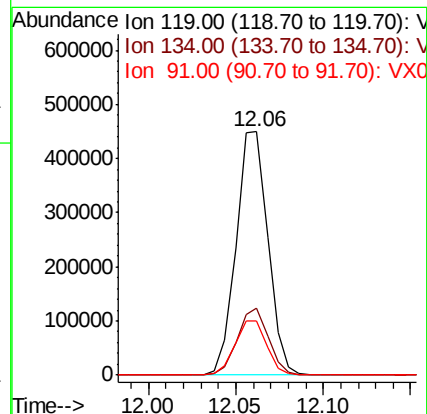
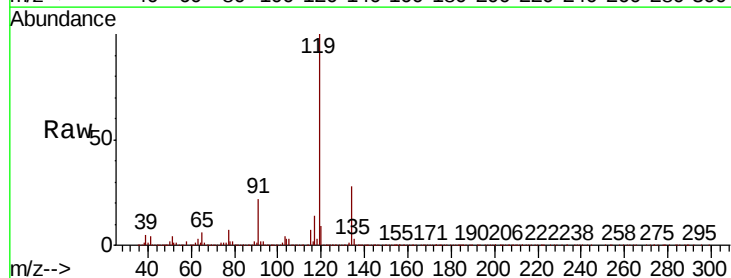
Tgt Ion:119 Resp: 570073

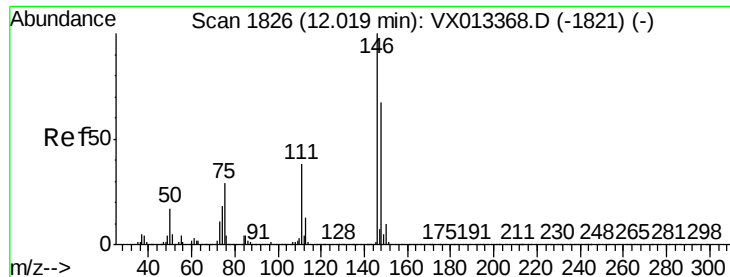
Ion Ratio Lower Upper

119 100

134 26.6 0.0 51.6

91 22.2 0.0 44.2

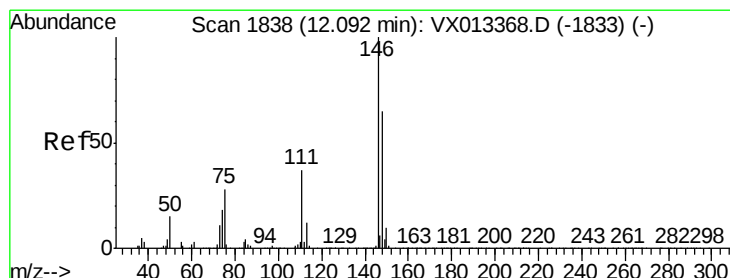
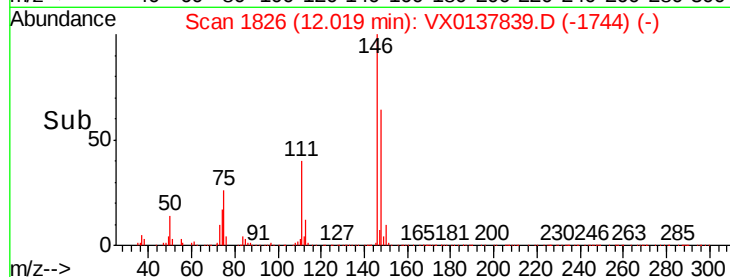
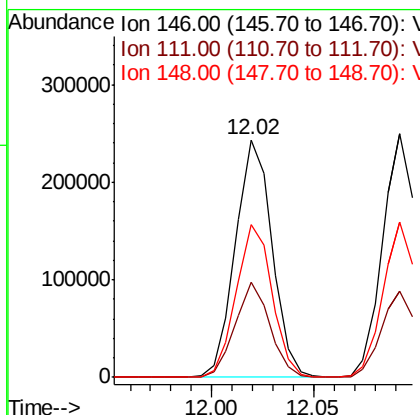
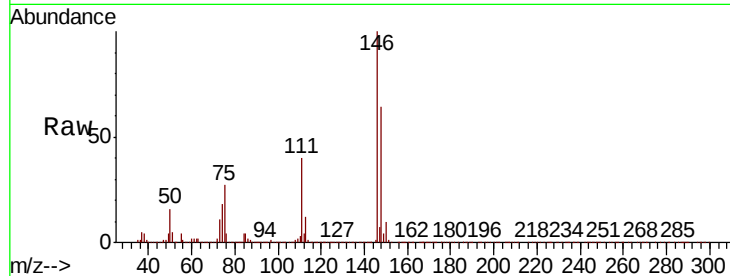




#83
 1,3-Dichlorobenzene
 Concen: 21.348 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

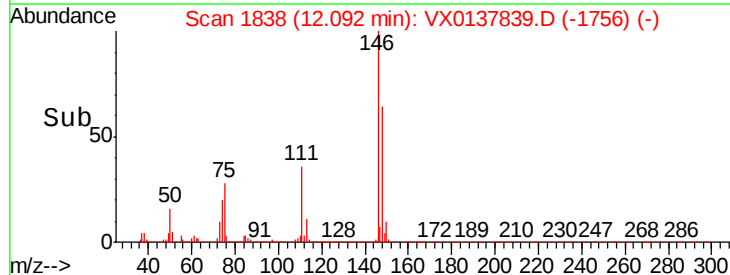
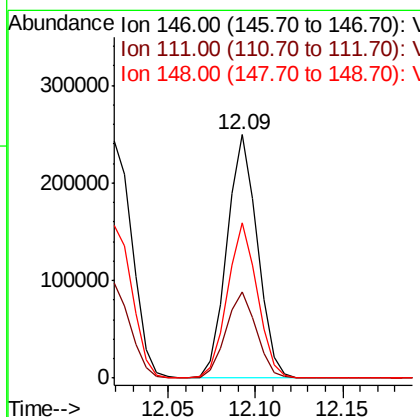
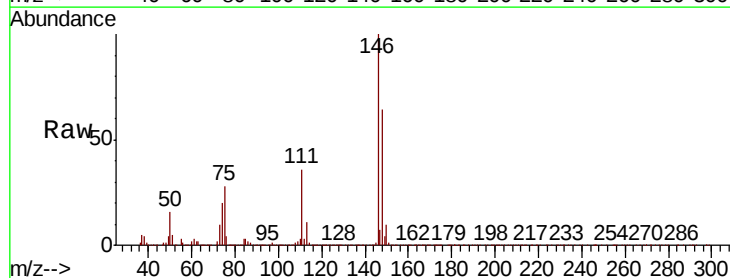
Instrument :
 MSVOA_X
 ClientSampleId :

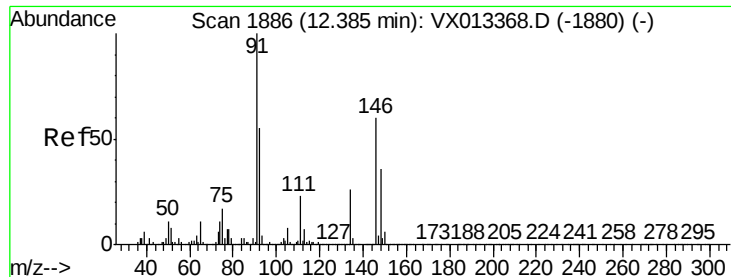
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.1	32.3	96.9



#84
 1,4-Dichlorobenzene
 Concen: 21.466 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	55.6
148	62.8	32.5	97.4

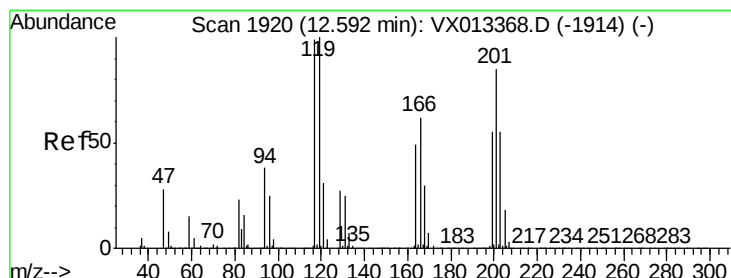
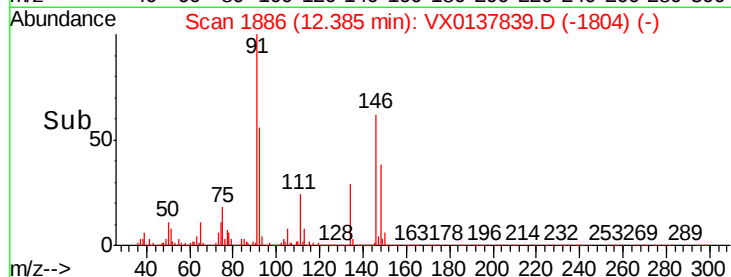
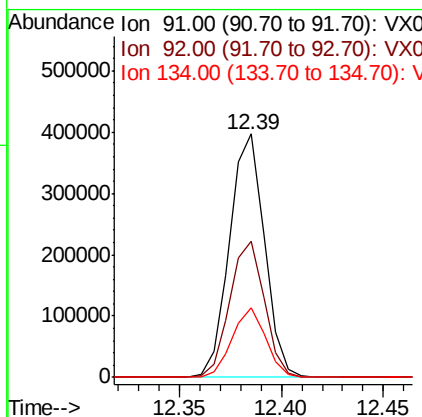
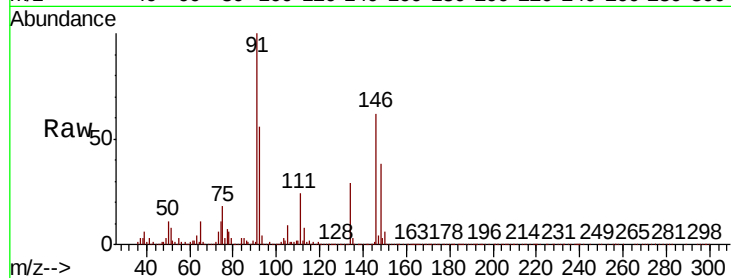




#85
n-Butylbenzene
Concen: 19.867 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

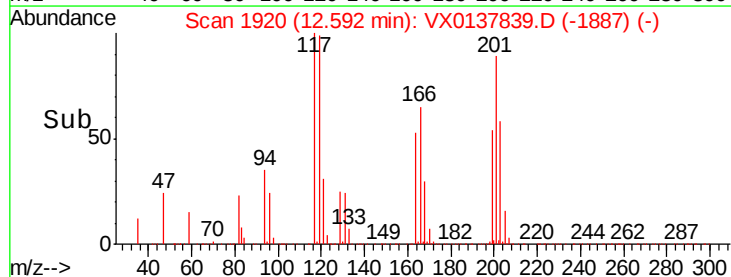
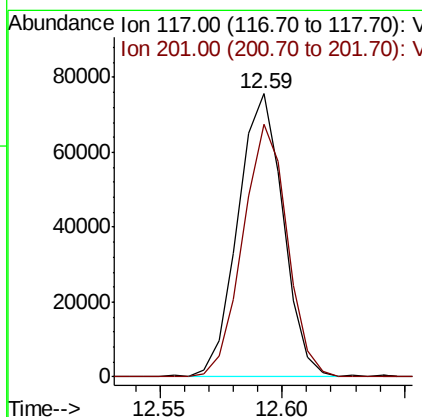
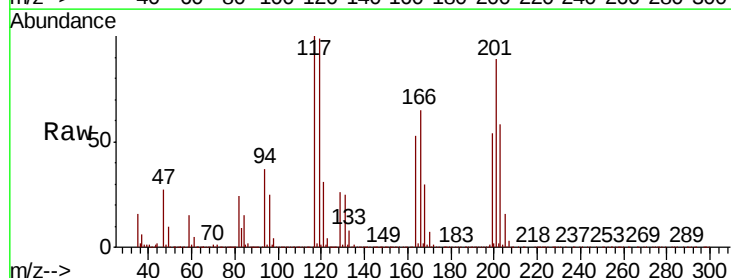
Instrument :
MSVOA_X
ClientSampled :

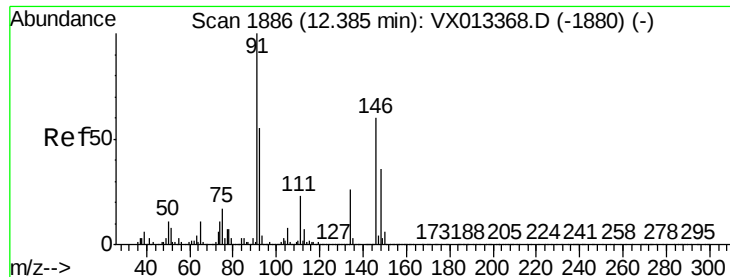
Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	0.0	109.0
134	27.5	0.0	53.0



#86
Hexachloroethane
Concen: 19.397 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	44.5	133.3

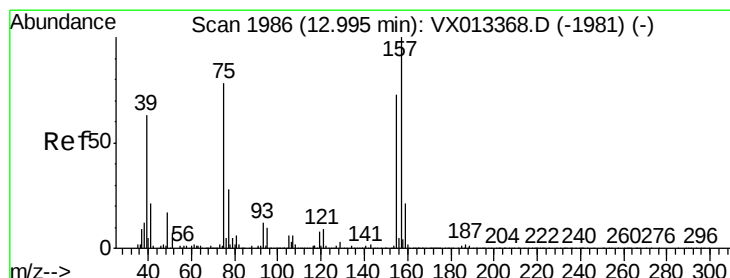
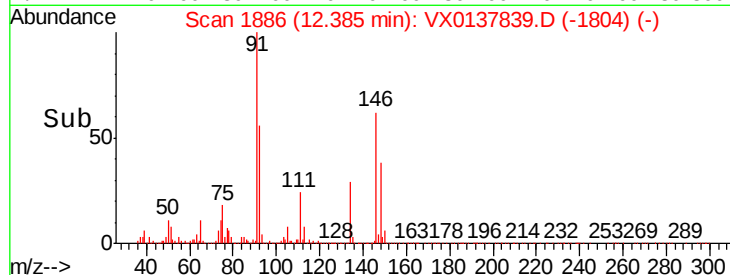
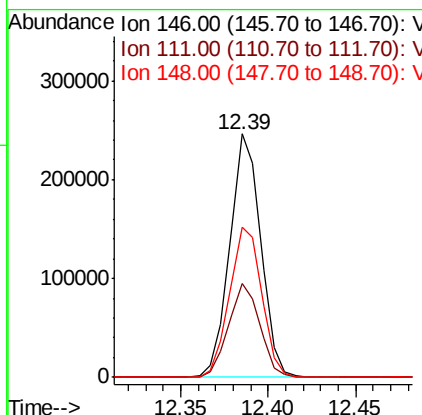
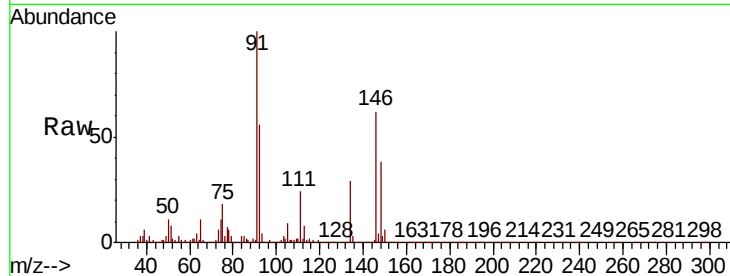




#87
 1,2-Dichlorobenzene
 Concen: 21.428 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

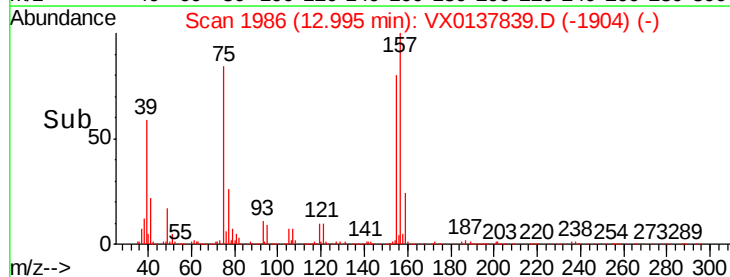
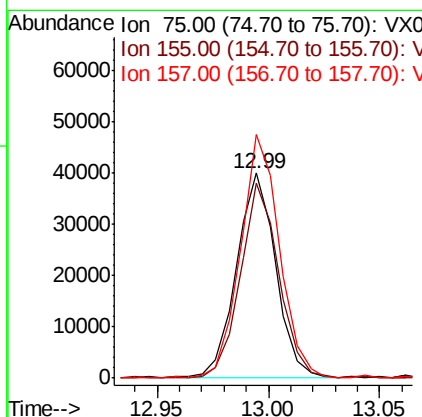
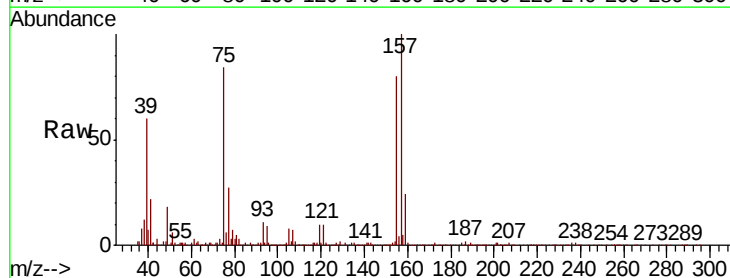
Instrument :
 MSVOA_X
 ClientSampleId :

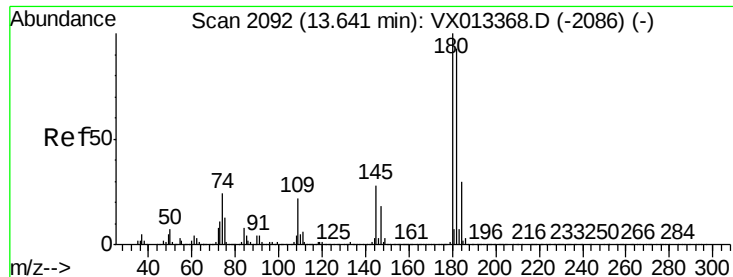
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.8	31.6	94.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	76.9	115.3
157	119.1	101.2	151.8

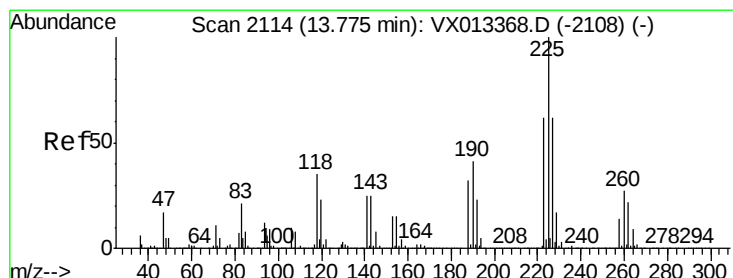
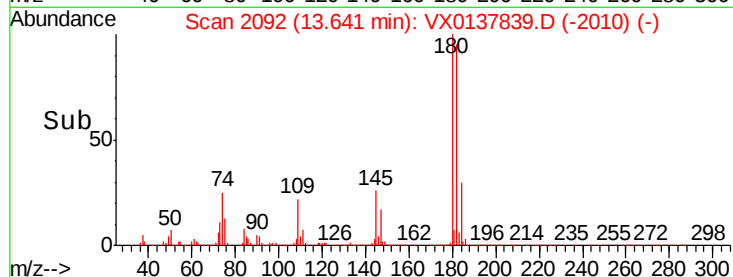
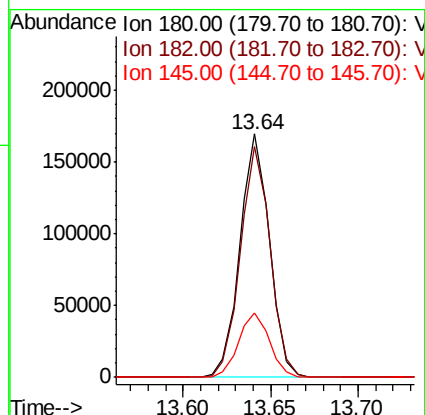
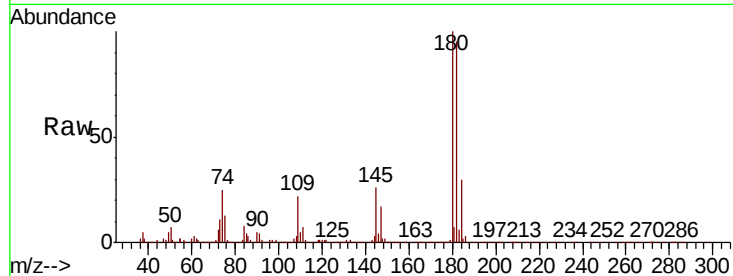




#89
 1,2,4-Trichlorobenzene
 Concen: 20.324 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

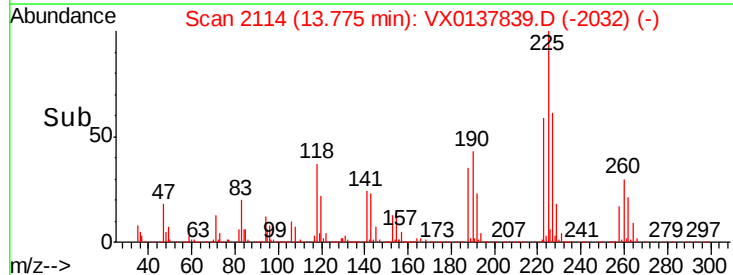
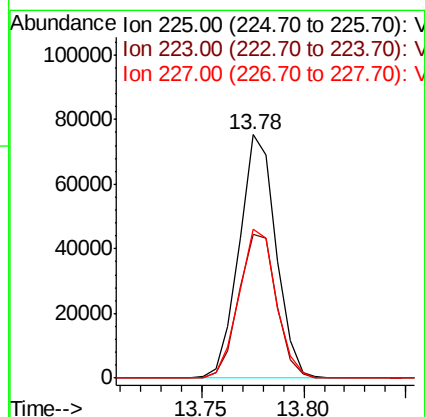
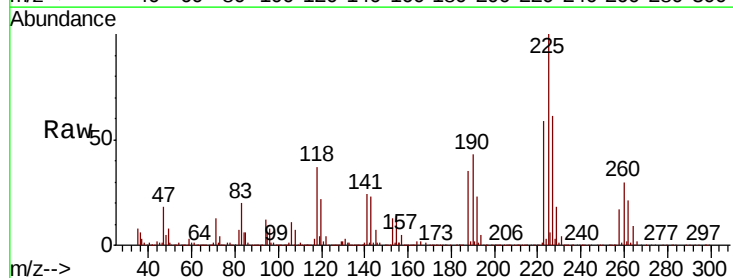
Instrument :
 MSVOA_X
 ClientSampleId :

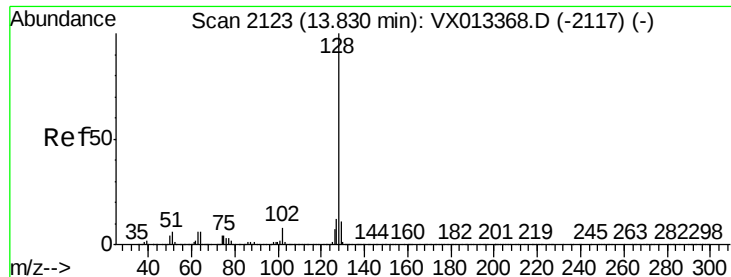
Tot Ion:180 Resp: 198741
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.7 112.1
 145 27.3 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 20.013 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX0137839.D
 Acq: 07 Dec 2019 02:22 pm

Tgt Ion:225 Resp: 93776
 Ion Ratio Lower Upper
 225 100
 223 60.9 0.0 123.0
 227 61.6 0.0 121.8

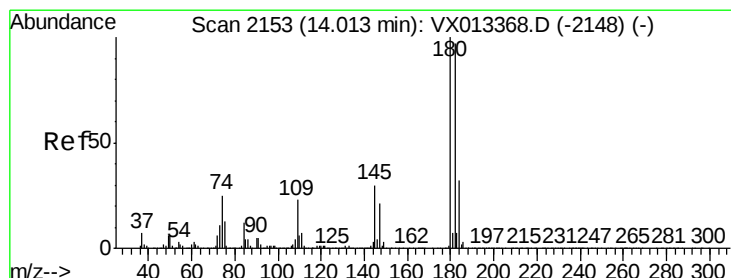
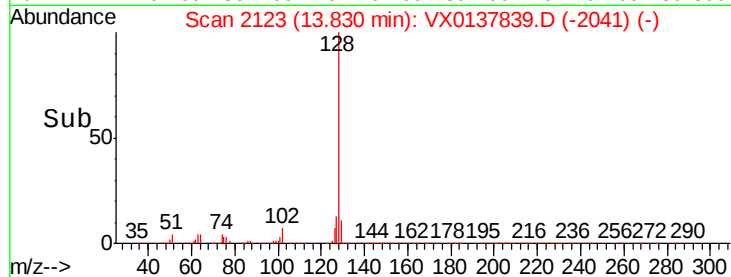
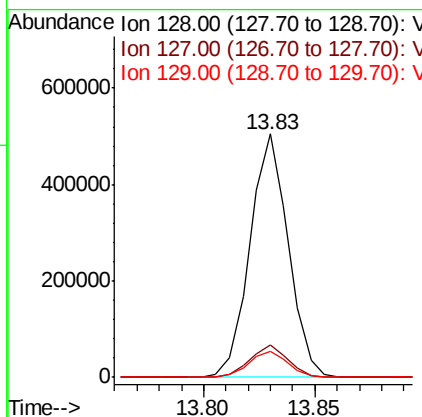
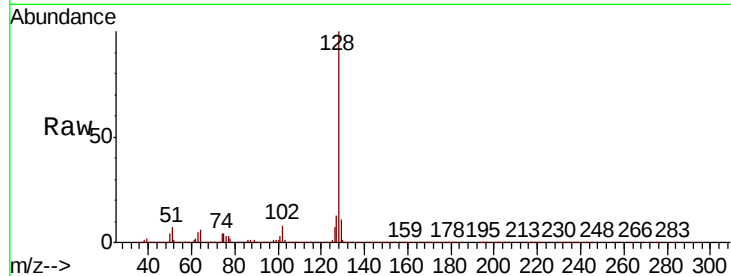




#91
Naphthalene
Concen: 19.487 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.0	8.8	13.2



#92
1,2,3-Trichlorobenzene
Concen: 20.494 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX0137839.D
Acq: 07 Dec 2019 02:22 pm

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	191.0
145	30.2	0.0	59.0

