

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013970.D
 Acq On : 12 Dec 2019 12:55
 Operator : JC/SP
 Sample : VX1212WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Quant Time: Dec 13 00:50:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	576114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	866436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385287	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	269284	40.27	ug/l	0.00
Spiked Amount			Recovery	=	80.54%	
35) Dibromofluoromethane	5.49	113	217643	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
50) Toluene-d8	8.71	98	830102	39.78	ug/l	0.00
Spiked Amount			Recovery	=	79.56%	
62) 4-Bromofluorobenzene	11.14	95	299869	39.85	ug/l	0.00
Spiked Amount			Recovery	=	79.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	96366	15.028	ug/l	97
3) Chloromethane	1.31	50	111338	15.474	ug/l	98
4) Vinyl Chloride	1.40	62	121921	15.055	ug/l	99
5) Bromomethane	1.62	94	86718	15.945	ug/l	99
6) Chloroethane	1.70	64	87373	18.960	ug/l	89
7) Trichlorofluoromethane	1.87	101	143407	15.947	ug/l	99
8) Diethyl Ether	2.19	74	65228	16.033	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.33	101	90537	16.483	ug/l	98
10) Methyl Iodide	2.47	142	84513	12.719	ug/l	99
11) Tert butyl alcohol	3.01	59	6896	4.178	ug/l #	74
12) 1,1-Dichloroethene	2.33	96	83678	15.262	ug/l	95
13) Acrolein	2.30	56	61435	60.319	ug/l	99
14) Allyl chloride	2.70	41	145590	14.633	ug/l	97
15) Acrylonitrile	3.15	53	255664	75.035	ug/l	99
16) Acetone	2.47	43	278526	84.360	ug/l	99
17) Carbon Disulfide	2.53	76	184917	11.831	ug/l	98
18) Methyl Acetate	2.78	43	159592	17.359	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	300567	16.548	ug/l	95
20) Methylene Chloride	2.83	84	112285	17.702	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	89906	15.053	ug/l	94
22) Diisopropyl ether	3.86	45	333730	17.419	ug/l	89
23) Vinyl Acetate	3.81	43	1261688	79.163	ug/l	99
24) 1,1-Dichloroethane	3.67	63	176603	16.862	ug/l	97
25) 2-Butanone	4.69	43	358201	73.000	ug/l	99
26) 2,2-Dichloropropane	4.56	77	135598	15.648	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	107758	15.710	ug/l	96
28) Bromochloromethane	5.00	49	75664	18.274	ug/l	96
29) Tetrahydrofuran	5.14	42	227233	75.120	ug/l	99
30) Chloroform	5.20	83	170325	16.036	ug/l	98
31) Cyclohexane	5.55	56	153033	15.492	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	139933	15.765	ug/l	99
36) 1,1-Dichloropropene	5.78	75	125020	15.896	ug/l	99
37) Ethyl Acetate	4.84	43	150276	17.032	ug/l	96
38) Carbon Tetrachloride	5.76	117	113172	15.605	ug/l	97

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 VX1212WBS02

Quant Time: Dec 13 00:50:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	156183	16.065	ug/l	97
40) Benzene	6.12	78	399313	16.670	ug/l	98
41) Methacrylonitrile	5.06	41	65591	13.555	ug/l	92
42) 1,2-Dichloroethane	6.18	62	139174	17.036	ug/l	98
43) Isopropyl Acetate	6.45	43	223257	15.369	ug/l	98
44) Trichloroethene	7.20	130	103808	15.790	ug/l	98
45) 1,2-Dichloropropane	7.51	63	103617	17.289	ug/l	97
46) Dibromomethane	7.65	93	64407	15.823	ug/l	97
47) Bromodichloromethane	7.89	83	120153	15.614	ug/l	95
48) Methyl methacrylate	7.77	41	108179	15.327	ug/l	97
49) 1,4-Dioxane	7.77	88	41137	260.389	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	700924	76.710	ug/l	99
52) Toluene	8.78	92	242251	16.279	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	130115	14.855	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	151420	15.823	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101780	16.972	ug/l	97
56) Ethyl methacrylate	9.18	69	149016	15.456	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172371	16.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	333114	88.121	ug/l	100
59) 2-Hexanone	9.50	43	539393	75.690	ug/l	98
60) Dibromochloromethane	9.58	129	92387	14.845	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100910	15.755	ug/l	97
64) Tetrachloroethene	9.33	164	94247	16.737	ug/l	97
65) Chlorobenzene	10.14	112	261397	16.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	93705	16.645	ug/l	99
67) Ethyl Benzene	10.25	91	453518	16.835	ug/l	100
68) m/p-Xylenes	10.35	106	343066	33.262	ug/l	99
69) o-Xylene	10.70	106	169088	16.809	ug/l	99
70) Styrene	10.71	104	279407	16.512	ug/l	99
71) Bromoform	10.86	173	65078	13.971	ug/l #	99
73) Isopropylbenzene	11.01	105	452384	16.739	ug/l	100
74) N-amyl acetate	10.90	43	194154	15.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158517	16.913	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	167879	19.373	ug/l	90
77) Bromobenzene	11.25	156	116127	15.905	ug/l	98
78) n-propylbenzene	11.35	91	487296	16.152	ug/l	100
79) 2-Chlorotoluene	11.42	91	303257	16.756	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	372764	16.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40451	12.771	ug/l	87
82) 4-Chlorotoluene	11.51	91	336865	16.071	ug/l	100
83) tert-Butylbenzene	11.77	119	377975	16.790	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	377385	16.787	ug/l	99
85) sec-Butylbenzene	11.94	105	437068	16.998	ug/l	99
86) p-Isopropyltoluene	12.06	119	396629	16.581	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	207319	16.289	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	209425	16.155	ug/l	99
89) n-Butylbenzene	12.38	91	332314	16.288	ug/l	99
90) Hexachloroethane	12.59	117	65809	15.220	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	212017	16.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28417	13.923	ug/l	98

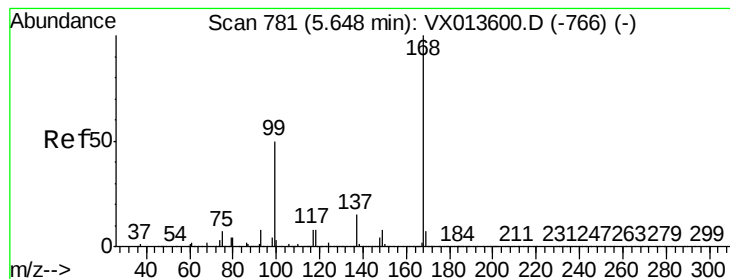
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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Instrument :
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ClientSampleId :
VX1212WBS02

Quant Time: Dec 13 00:50:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	137088	15.642	ug/l	98
94) Hexachlorobutadiene	13.77	225	69667	16.548	ug/l	98
95) Naphthalene	13.83	128	392362	15.033	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	136497	15.730	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

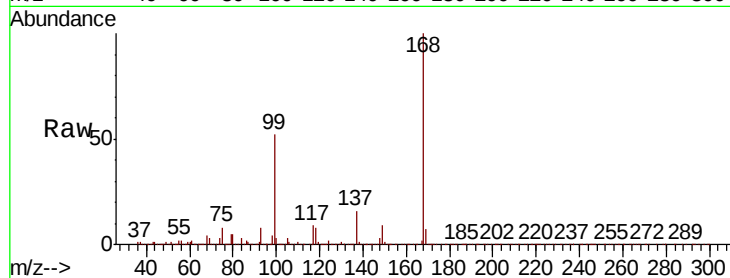
VX1212WBS02

Tot Ion:168 Resp: 576114

Ion Ratio Lower Upper

168 100

99 51.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

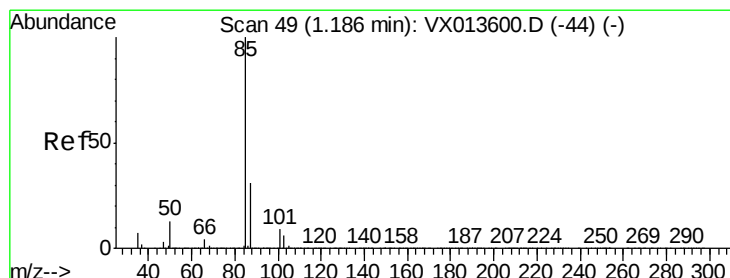
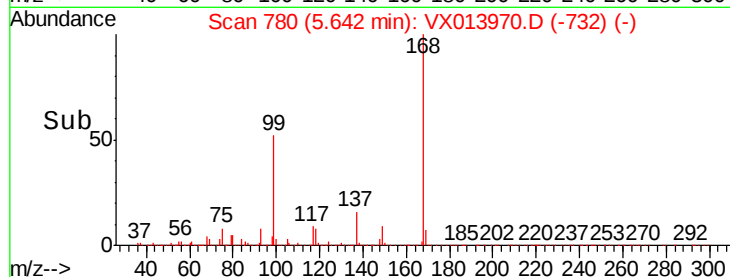
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.028 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013970.D

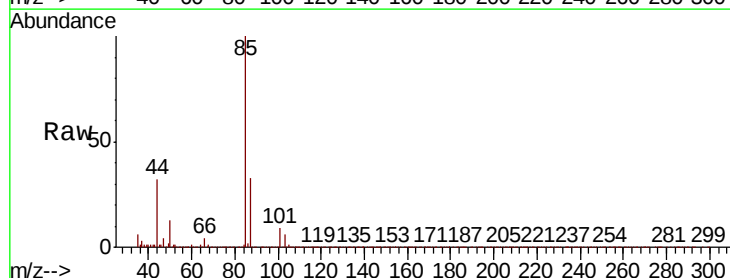
Acq: 12 Dec 2019 12:55

Tgt Ion: 85 Resp: 96366

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

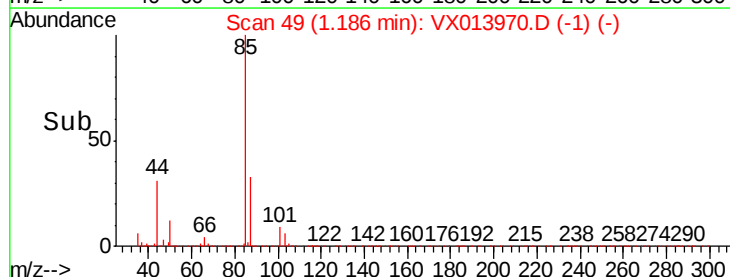
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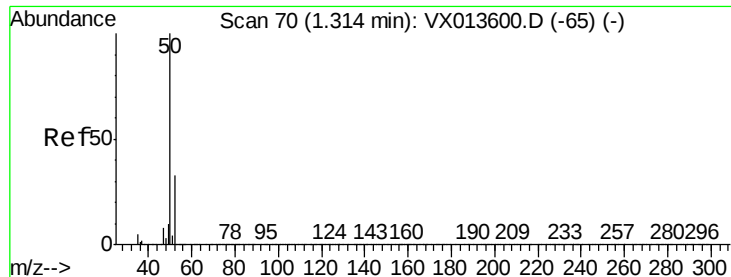
20000

0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.474 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

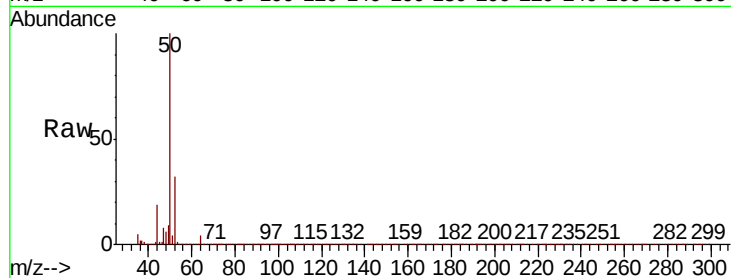
VX1212WBS02

Tot Ion: 50 Resp: 111338

Ion Ratio Lower Upper

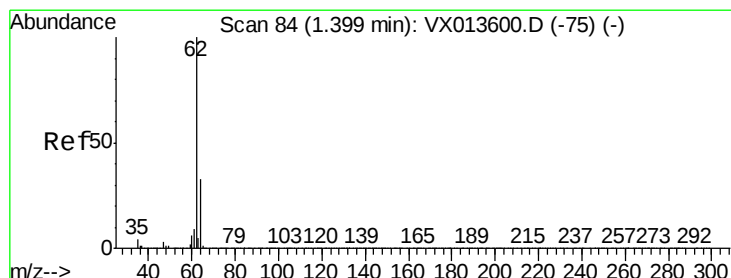
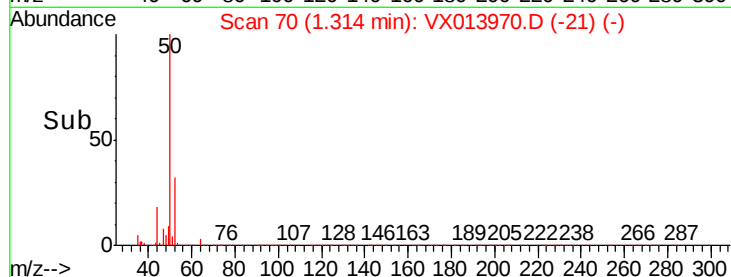
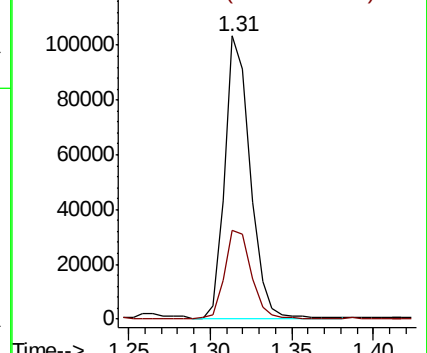
50 100

52 31.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 15.055 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013970.D

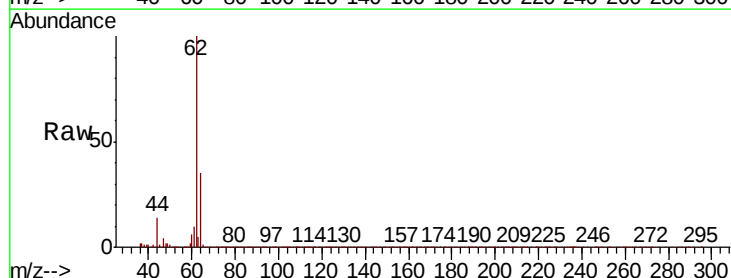
Acq: 12 Dec 2019 12:55

Tgt Ion: 62 Resp: 121921

Ion Ratio Lower Upper

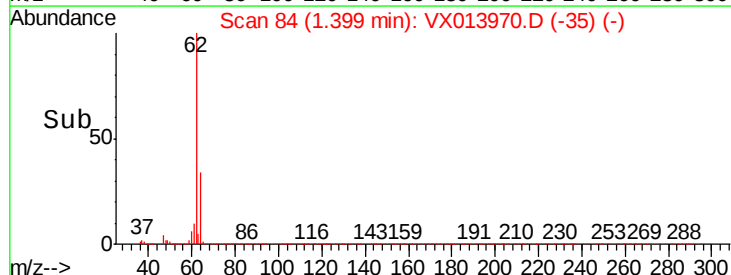
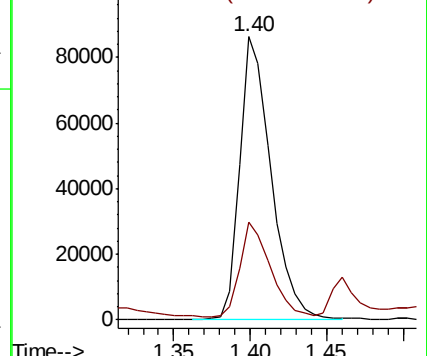
62 100

64 33.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.945 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

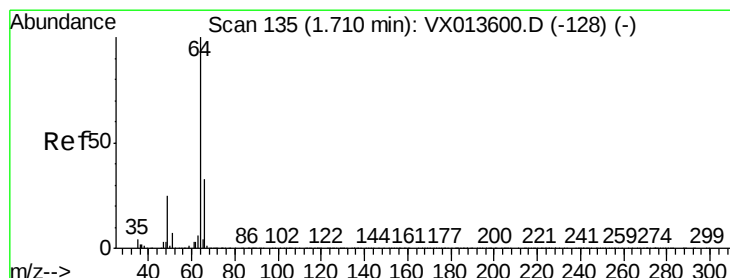
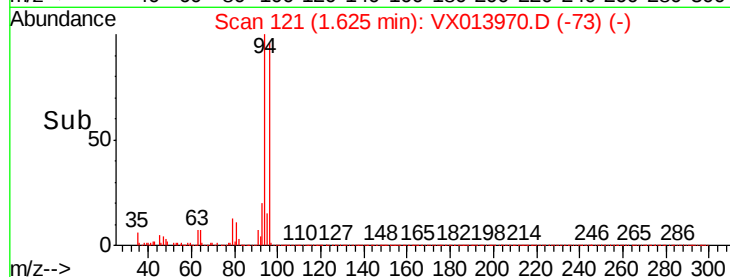
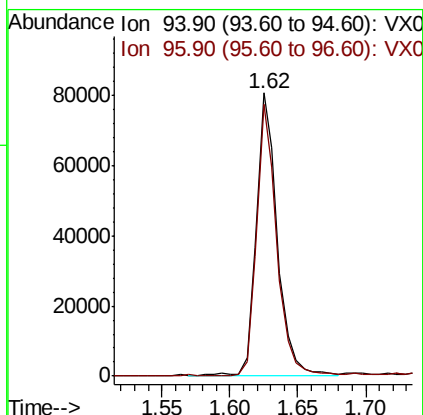
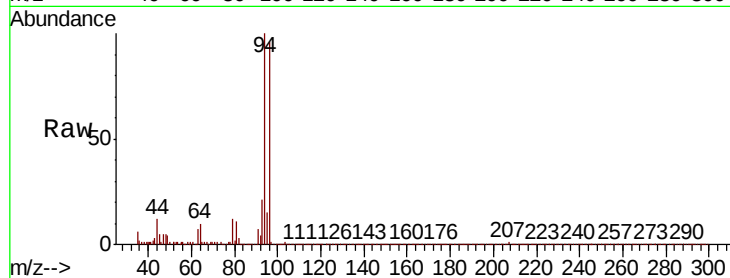
VX1212WBS02

Tot Ion: 94 Resp: 86718

Ion Ratio Lower Upper

94 100

96 95.6 77.0 115.4



#6

Chloroethane

Concen: 18.960 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013970.D

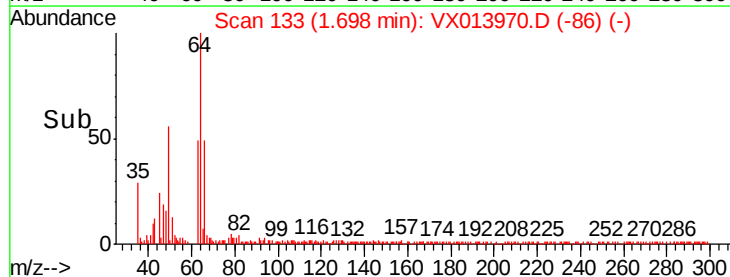
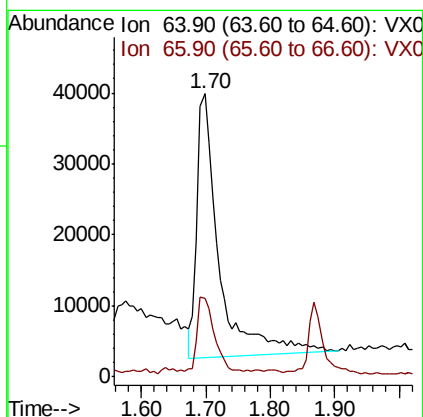
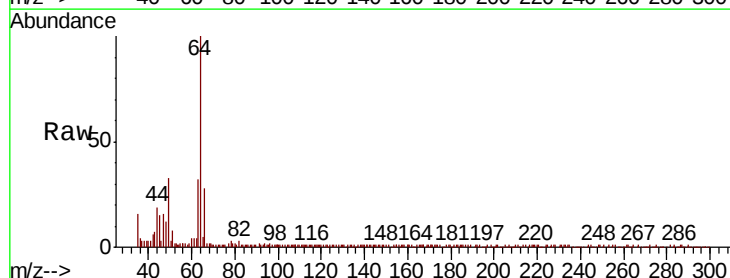
Acq: 12 Dec 2019 12:55

Tgt Ion: 64 Resp: 87373

Ion Ratio Lower Upper

64 100

66 27.2 26.7 40.1



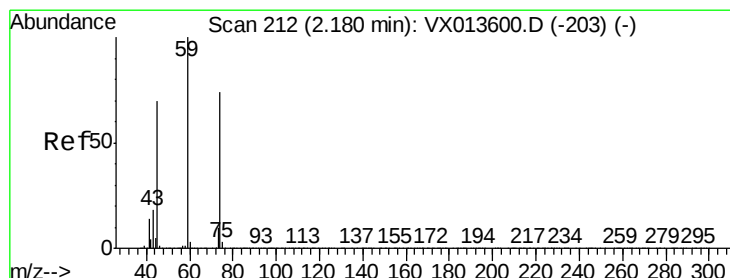
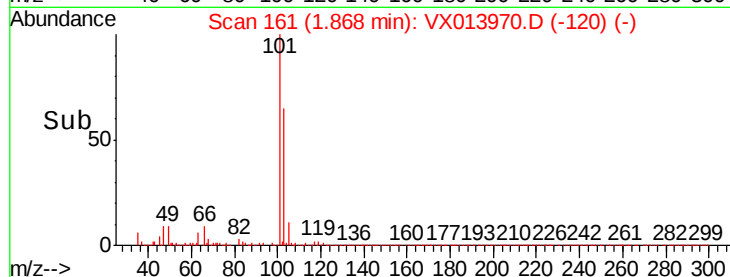
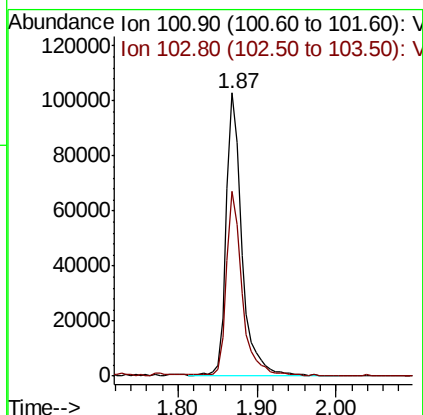
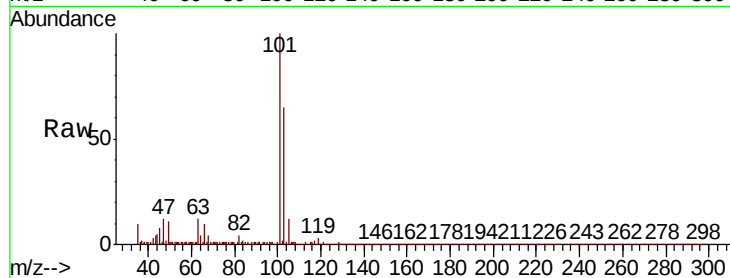


#7

Trichlorofluoromethane
Concen: 15.947 ug/l
RT: 1.87 min Scan# 161
Delta R.T. -0.05 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

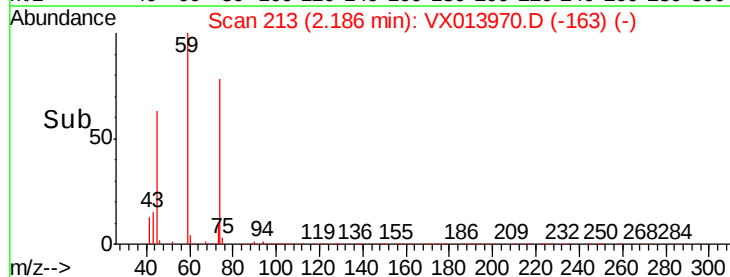
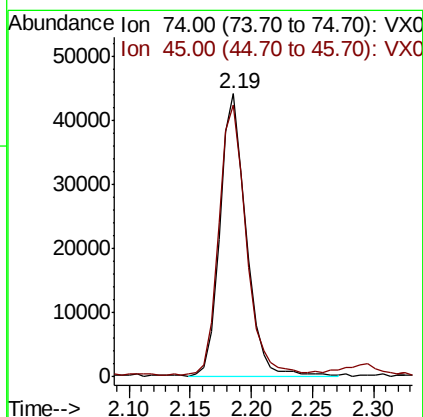
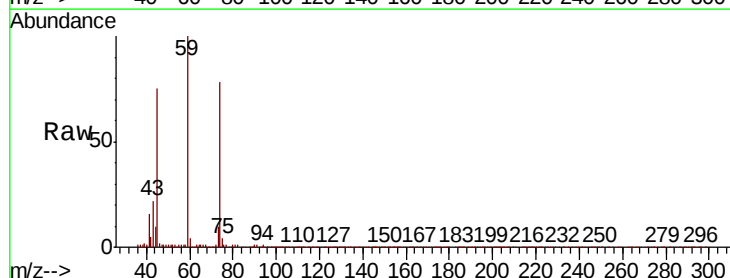
Tot Ion:101 Resp: 143407
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

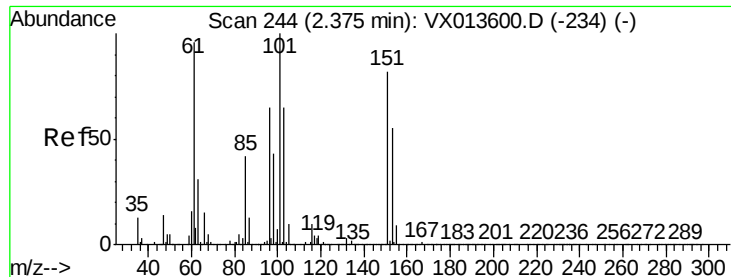


#8

Diethyl Ether
Concen: 16.033 ug/l
RT: 2.19 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 74 Resp: 65228
Ion Ratio Lower Upper
74 100
45 100.2 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.483 ug/l

RT: 2.33 min Scan# 237

Delta R.T. -0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

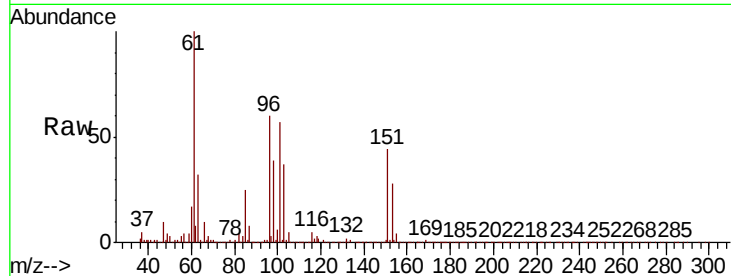
Tot Ion:101 Resp: 90537

Ion Ratio Lower Upper

101 100

85 44.5 33.9 50.9

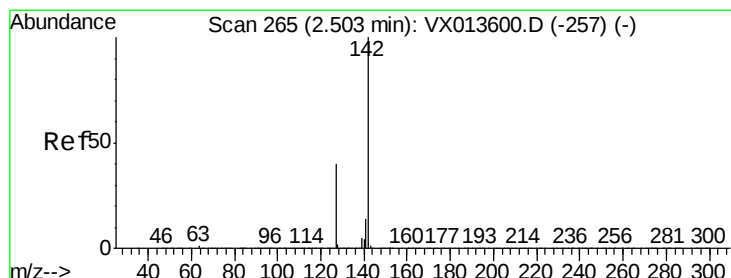
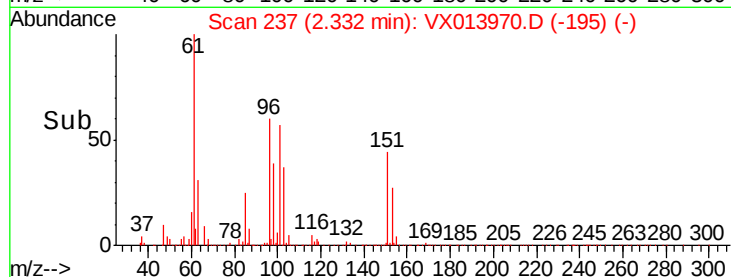
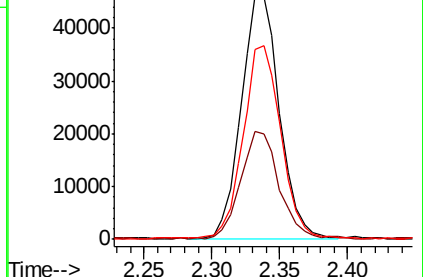
151 78.5 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.719 ug/l

RT: 2.47 min Scan# 260

Delta R.T. -0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

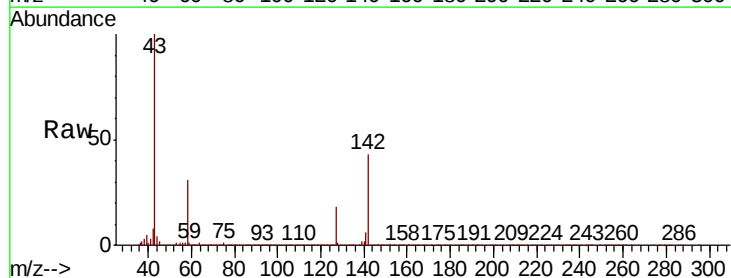
Tgt Ion:142 Resp: 84513

Ion Ratio Lower Upper

142 100

127 39.3 31.0 46.4

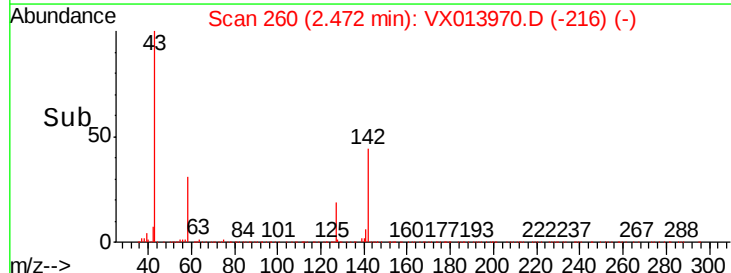
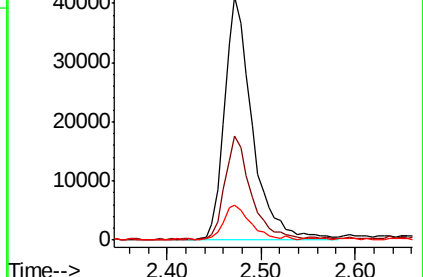
141 14.2 11.6 17.4

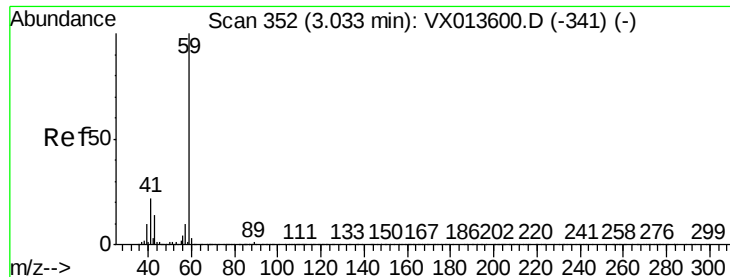


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



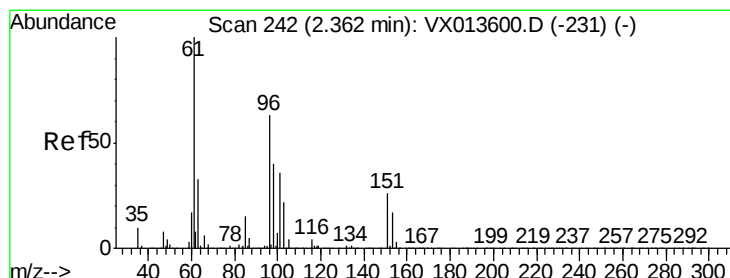
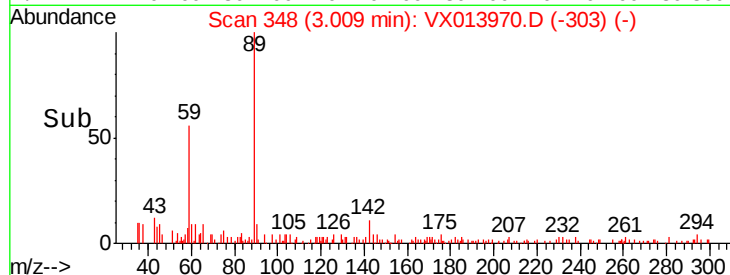
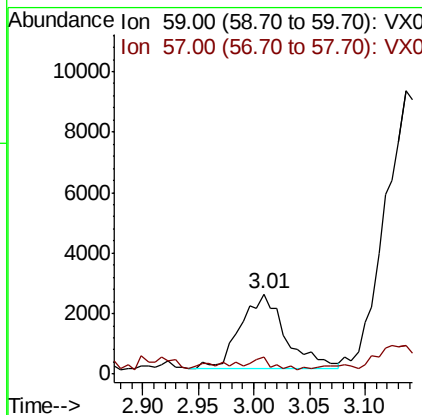
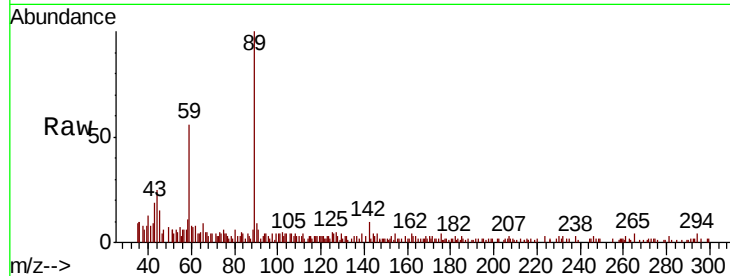


#11

Tert butyl alcohol
Concen: 4.178 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampled :
VX1212WBS02

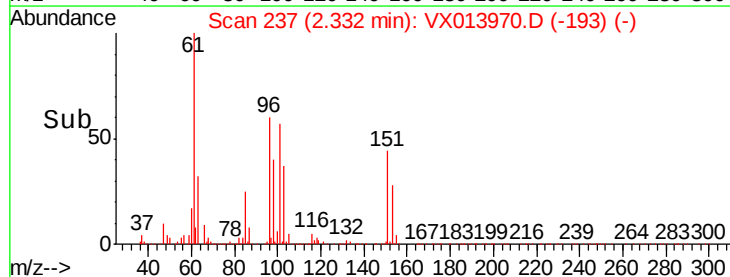
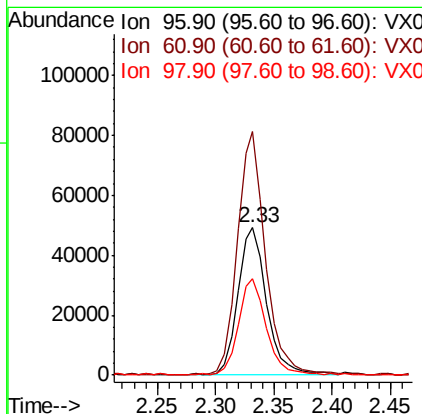
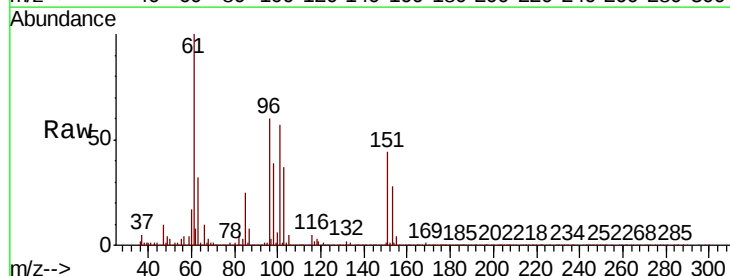
Tot Ion: 59 Resp: 6896
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

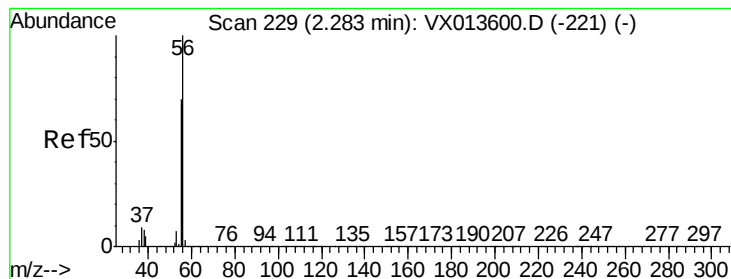


#12

1,1-Dichloroethene
Concen: 15.262 ug/l
RT: 2.33 min Scan# 237
Delta R.T. -0.03 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 96 Resp: 83678
Ion Ratio Lower Upper
96 100
61 165.7 126.6 190.0
98 65.0 50.6 76.0





#13

Acrolein

Concen: 60.319 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

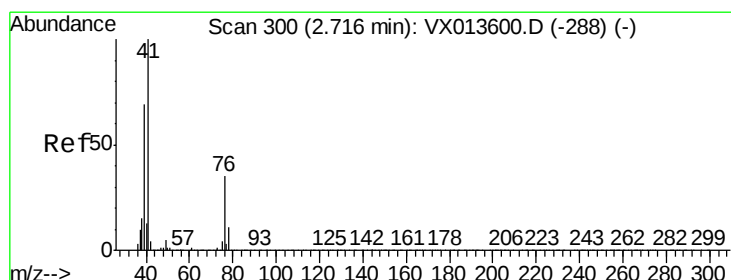
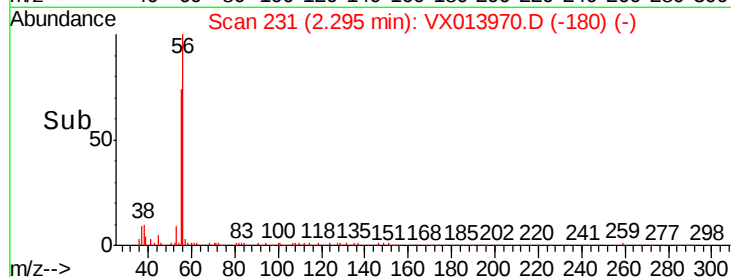
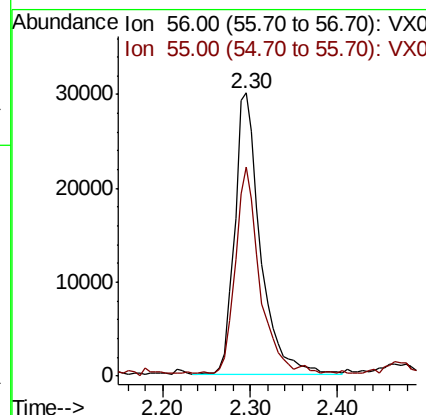
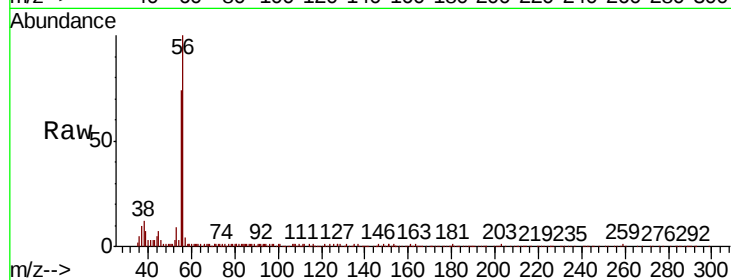
VX1212WBS02

Tot Ion: 56 Resp: 61435

Ion Ratio Lower Upper

56 100

55 69.1 56.2 84.4



#14

Allyl chloride

Concen: 14.633 ug/l

RT: 2.70 min Scan# 297

Delta R.T. -0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

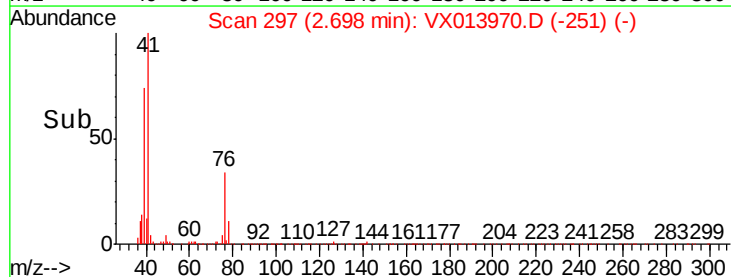
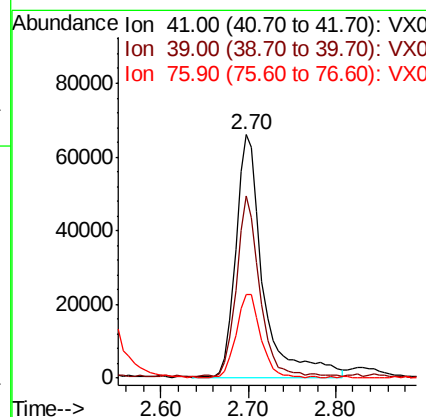
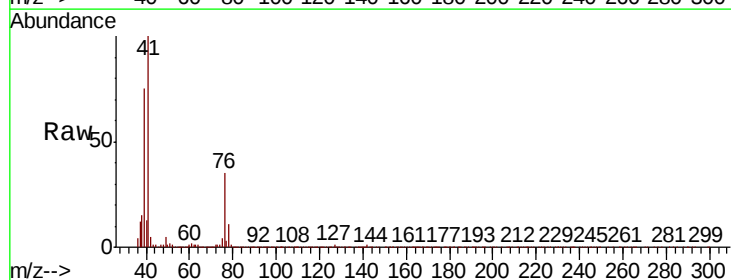
Tgt Ion: 41 Resp: 145590

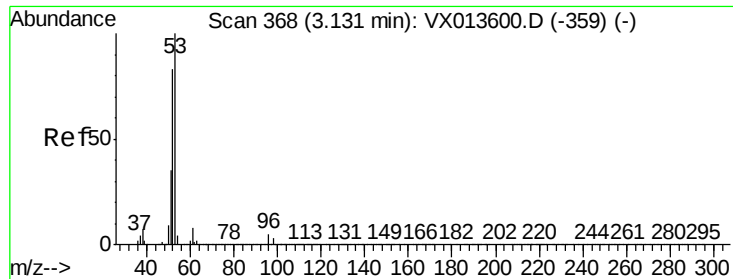
Ion Ratio Lower Upper

41 100

39 63.2 51.7 77.5

76 30.0 25.9 38.9





#15

Acrylonitrile

Concen: 75.035 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

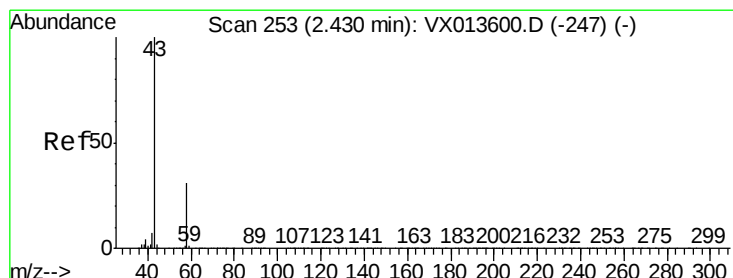
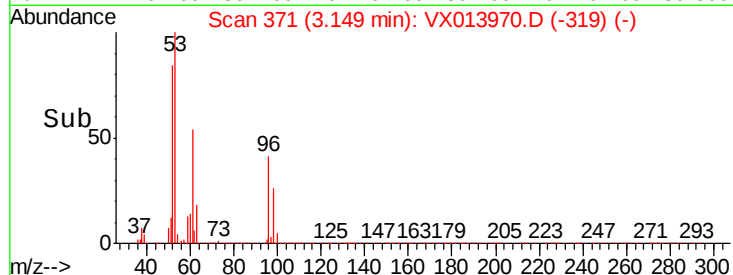
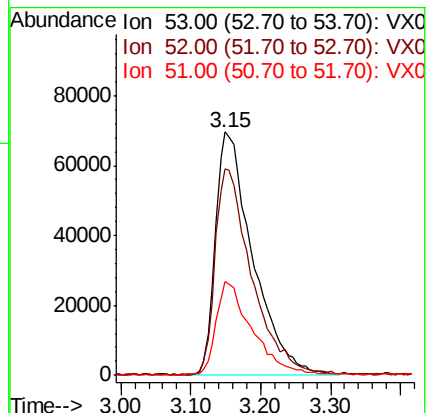
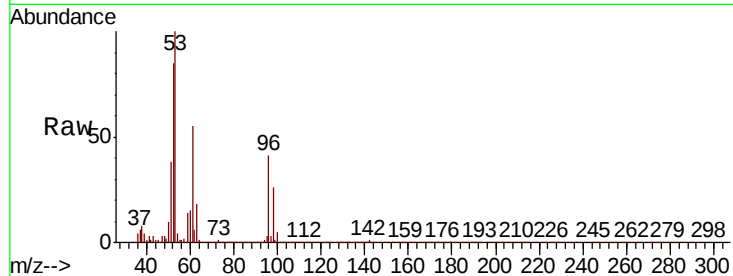
Tot Ion: 53 Resp: 255664

Ion Ratio Lower Upper

53 100

52 83.5 66.2 99.2

51 36.8 29.0 43.6



#16

Acetone

Concen: 84.360 ug/l

RT: 2.47 min Scan# 260

Delta R.T. 0.04 min

Lab File: VX013970.D

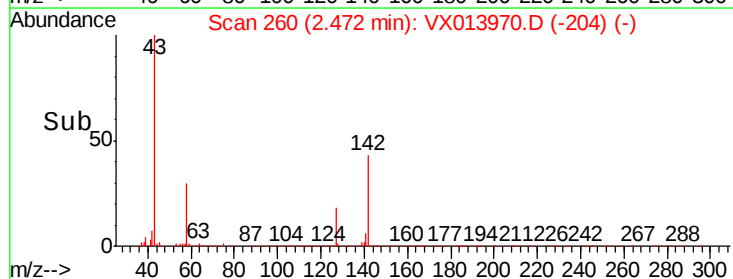
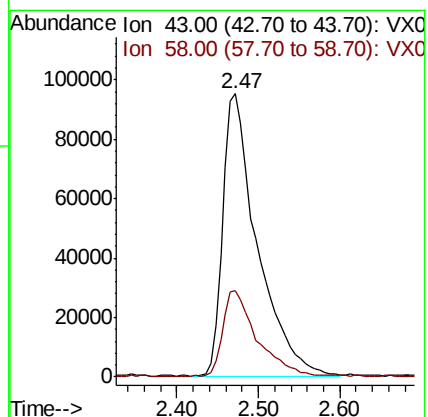
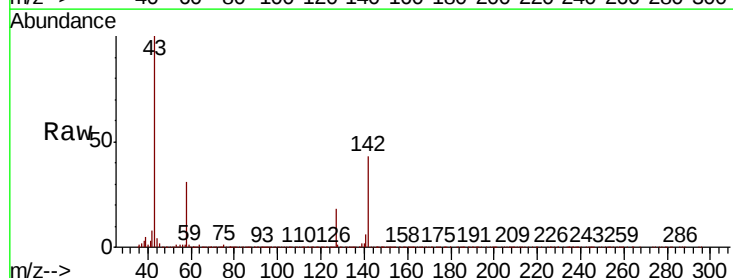
Acq: 12 Dec 2019 12:55

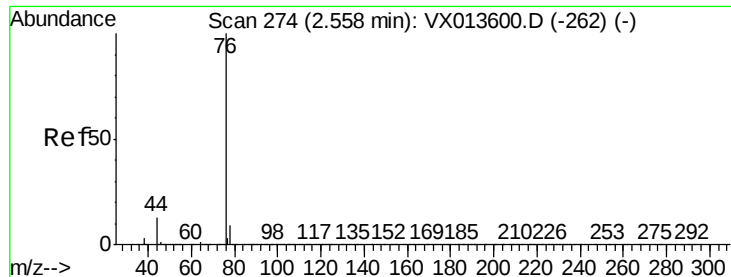
Tgt Ion: 43 Resp: 278526

Ion Ratio Lower Upper

43 100

58 30.4 24.6 36.8





#17

Carbon Disulfide

Concen: 11.831 ug/l

RT: 2.53 min Scan# 269

Delta R.T. -0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

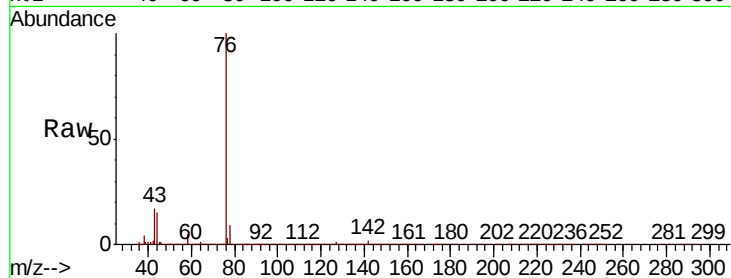
VX1212WBS02

Tot Ion: 76 Resp: 184917

Ion Ratio Lower Upper

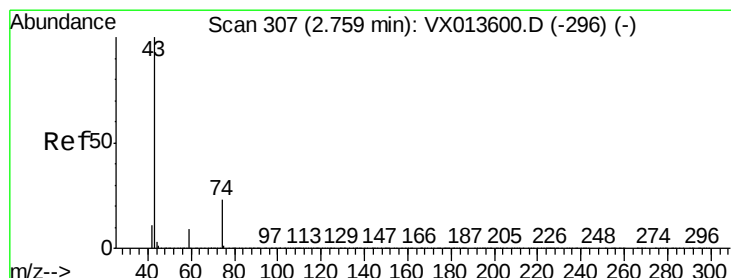
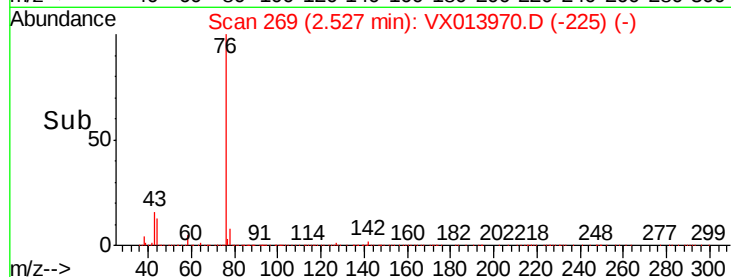
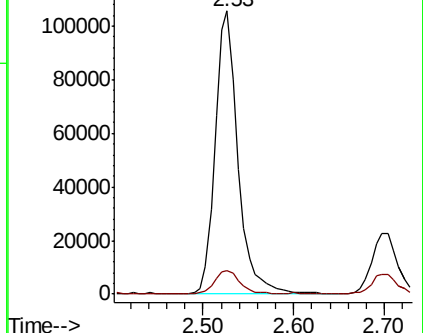
76 100

78 8.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX013600.D (-262) (-)

Ion 77.90 (77.60 to 78.60): VX013600.D (-262) (-)



#18

Methyl Acetate

Concen: 17.359 ug/l

RT: 2.78 min Scan# 310

Delta R.T. 0.02 min

Lab File: VX013970.D

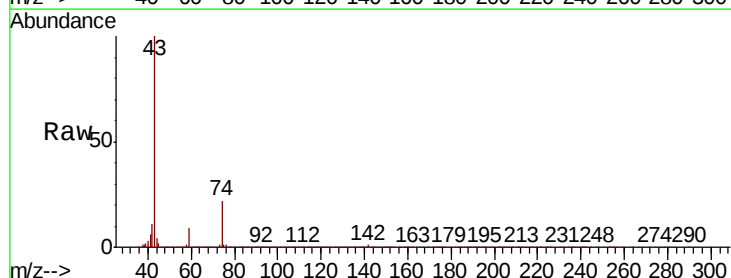
Acq: 12 Dec 2019 12:55

Tgt Ion: 43 Resp: 159592

Ion Ratio Lower Upper

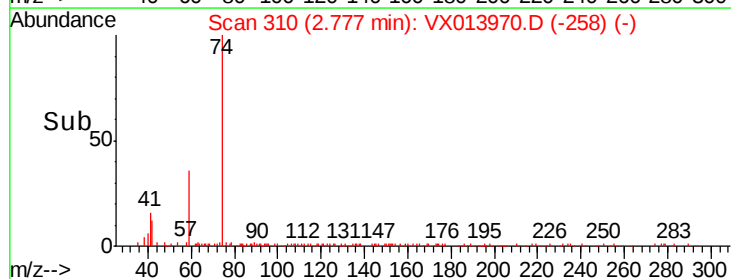
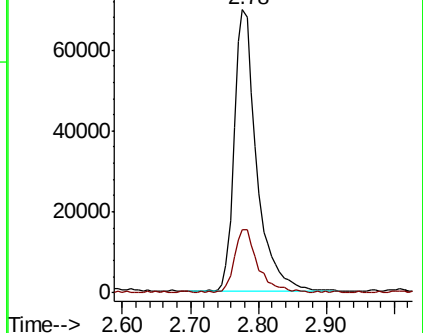
43 100

74 23.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX013970.D (-258) (-)

Ion 74.00 (73.70 to 74.70): VX013970.D (-258) (-)



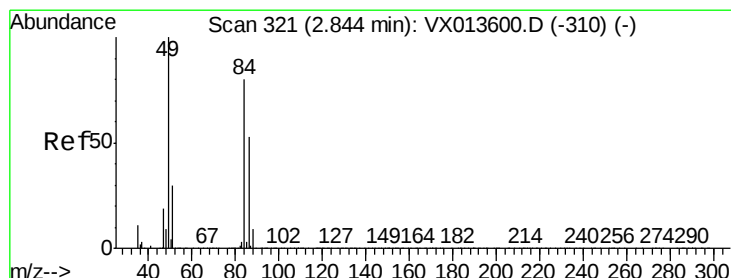
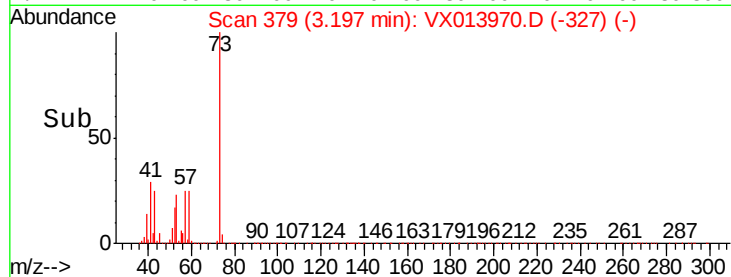
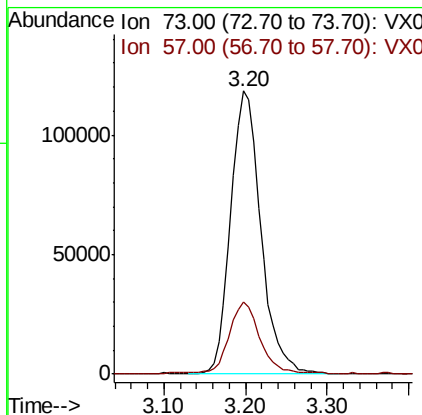
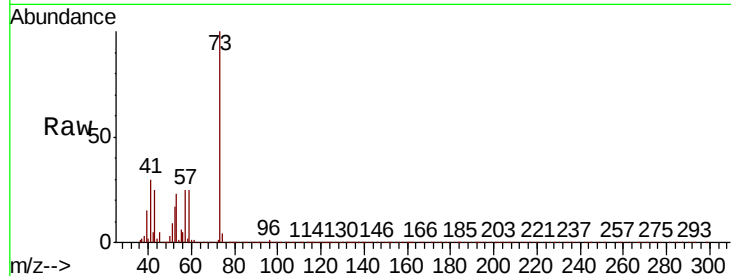


#19

Methyl tert-butyl Ether
 Concen: 16.548 ug/l
 RT: 3.20 min Scan# 379
 Delta R.T. 0.02 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

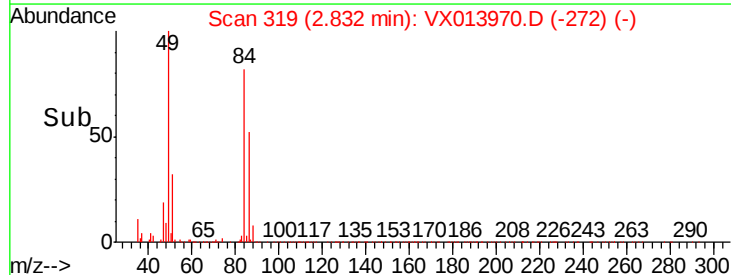
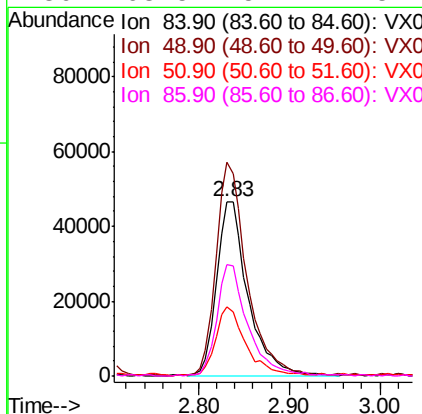
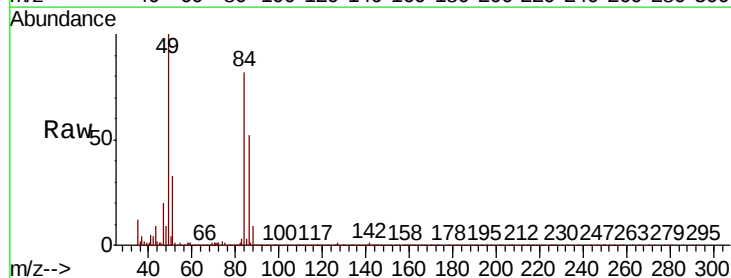
Tot Ion: 73 Resp: 300567
 Ion Ratio Lower Upper
 73 100
 57 25.1 18.3 27.5

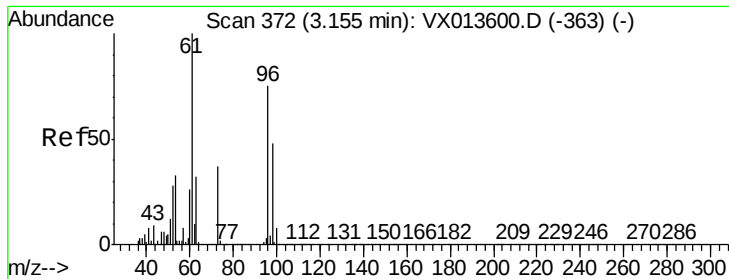


#20

Methylene Chloride
 Concen: 17.702 ug/l
 RT: 2.83 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion: 84 Resp: 112285
 Ion Ratio Lower Upper
 84 100
 49 122.1 99.7 149.5
 51 39.7 29.9 44.9
 86 63.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 15.053 ug/l

RT: 3.14 min Scan# 369

Delta R.T. -0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

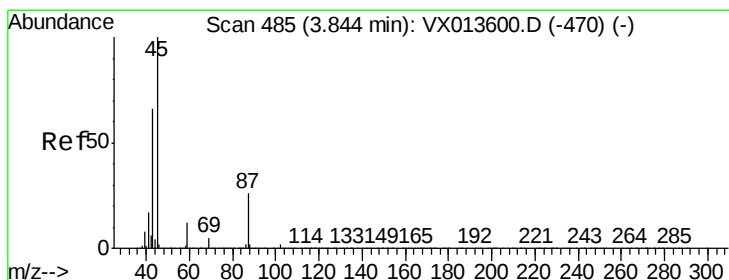
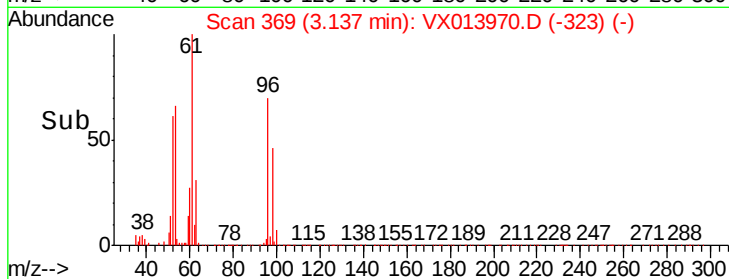
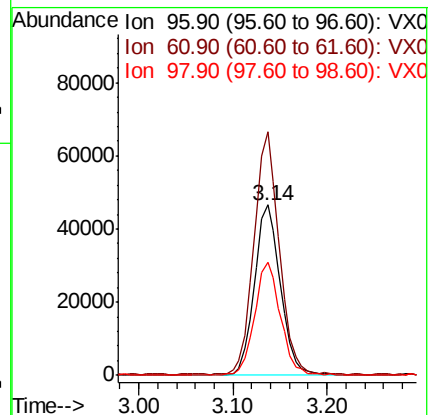
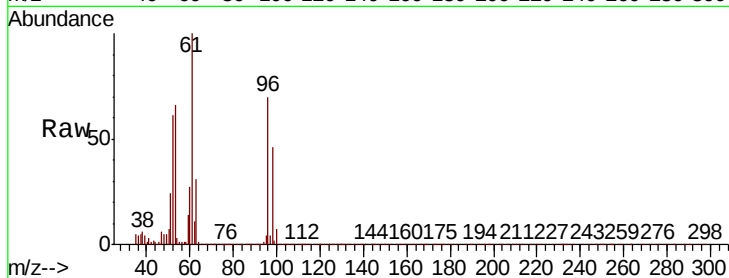
Tot Ion: 96 Resp: 89906

Ion Ratio Lower Upper

96 100

61 142.4 107.2 160.8

98 66.2 51.4 77.0



#22

Diisopropyl ether

Concen: 17.419 ug/l

RT: 3.86 min Scan# 487

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion: 45 Resp: 333730

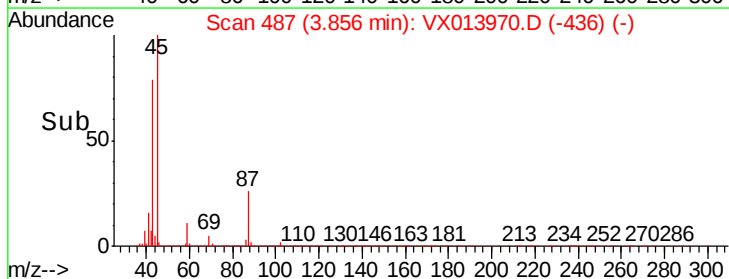
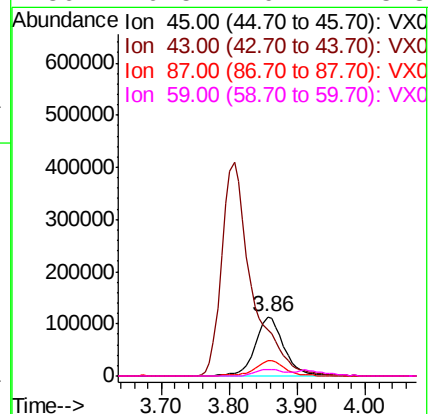
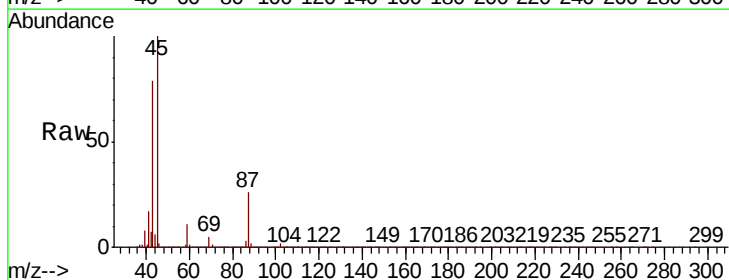
Ion Ratio Lower Upper

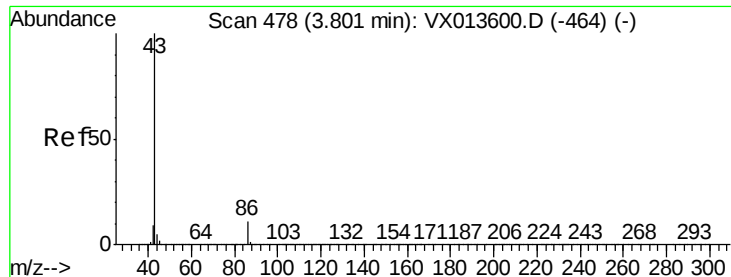
45 100

43 78.8 52.6 79.0

87 25.9 21.1 31.7

59 10.5 9.2 13.8





#23

Vinyl Acetate

Concen: 79.163 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

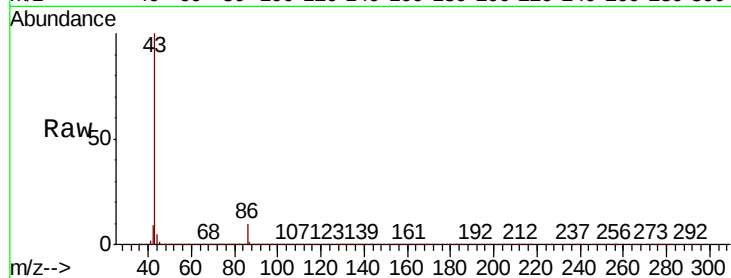
VX1212WBS02

Tot Ion: 43 Resp: 1261688

Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX013600.D (-464) (-)

Ion 86.00 (85.70 to 86.70): VX013600.D (-464) (-)

3.81

400000

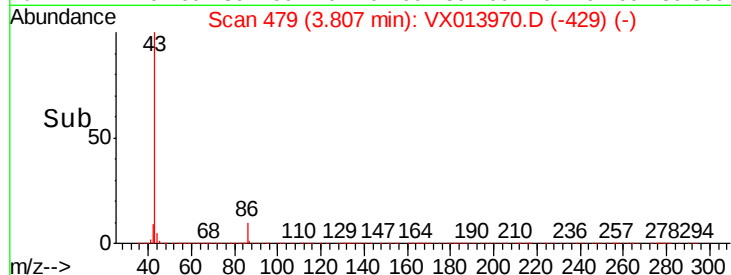
300000

200000

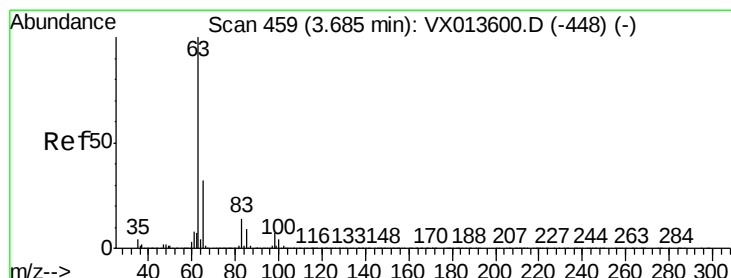
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 16.862 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

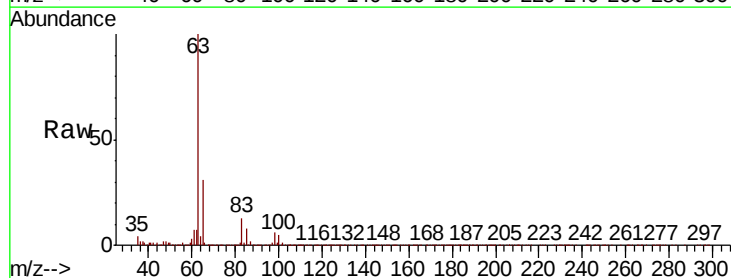
Tgt Ion: 63 Resp: 176603

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX013600.D (-448) (-)

Ion 97.90 (97.60 to 98.60): VX013600.D (-448) (-)

Ion 99.90 (99.60 to 100.60): VX013600.D (-448) (-)

3.67

100000

80000

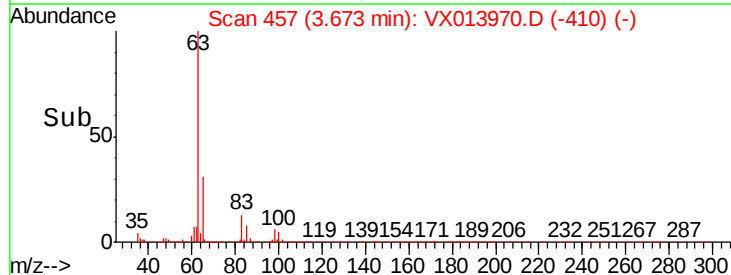
60000

40000

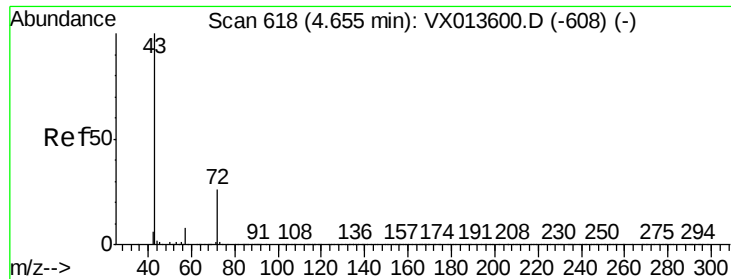
20000

0

Time-->



Time-->



#25

2-Butanone

Concen: 73.000 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

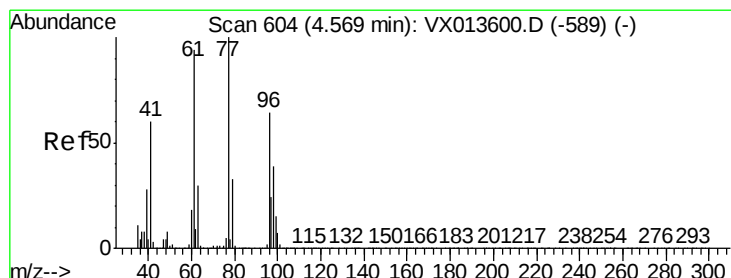
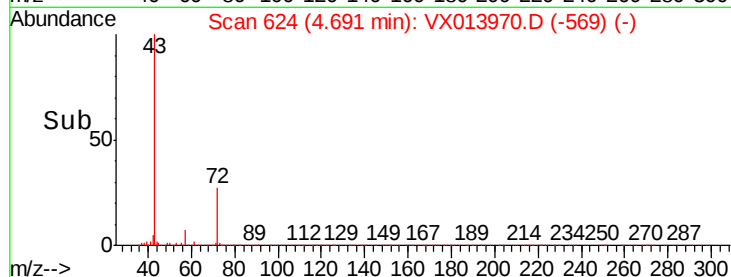
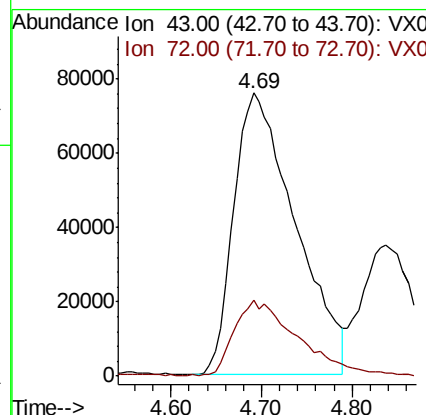
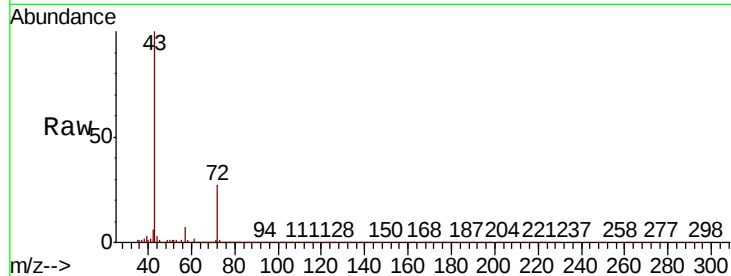
VX1212WBS02

Tot Ion: 43 Resp: 358201

Ion Ratio Lower Upper

43 100

72 26.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 15.648 ug/l

RT: 4.56 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX013970.D

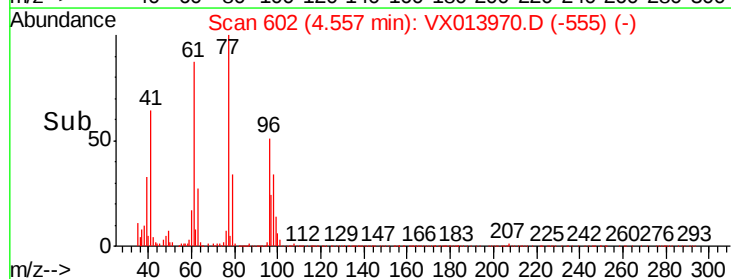
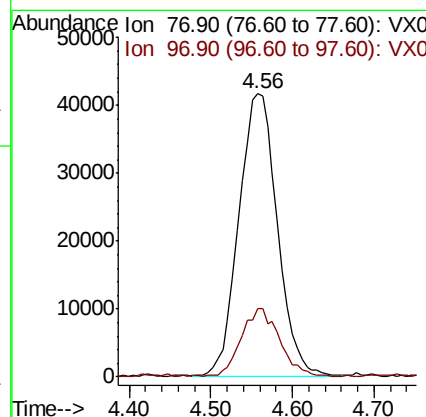
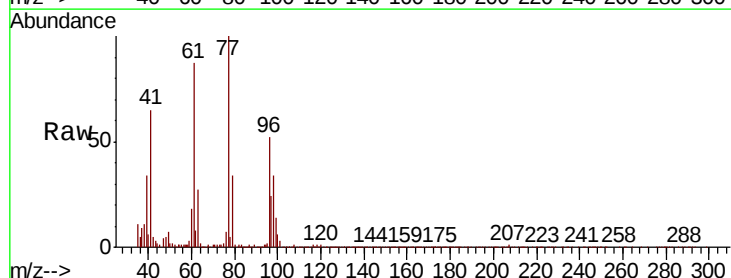
Acq: 12 Dec 2019 12:55

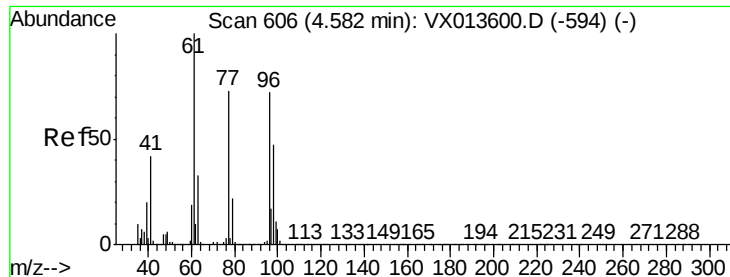
Tgt Ion: 77 Resp: 135598

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1



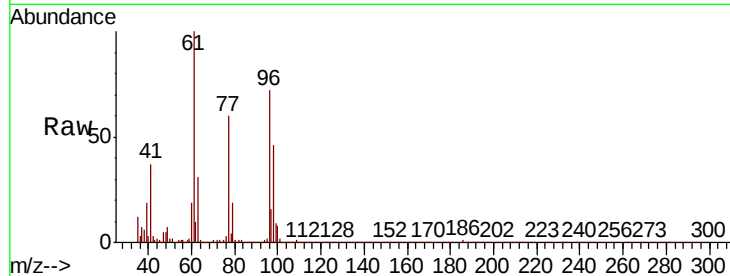


#27

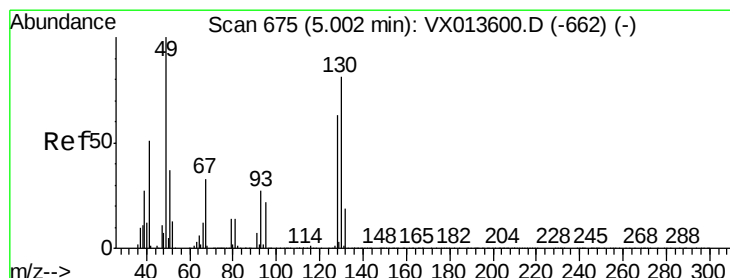
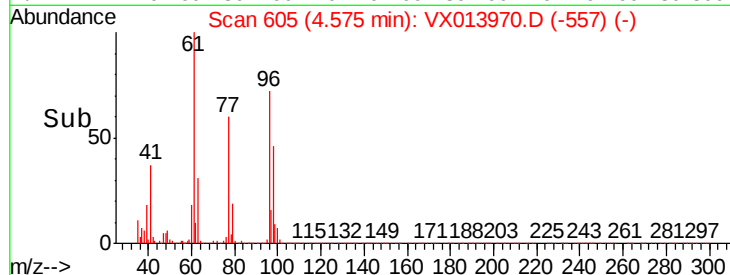
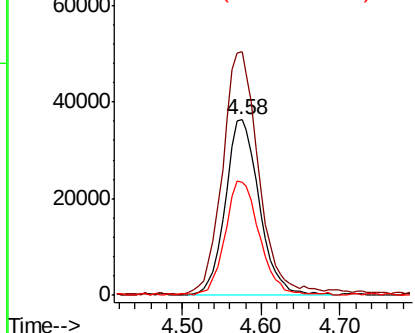
cis-1,2-Dichloroethene
 Concen: 15.710 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	286.4
98	64.6	0.0	127.4



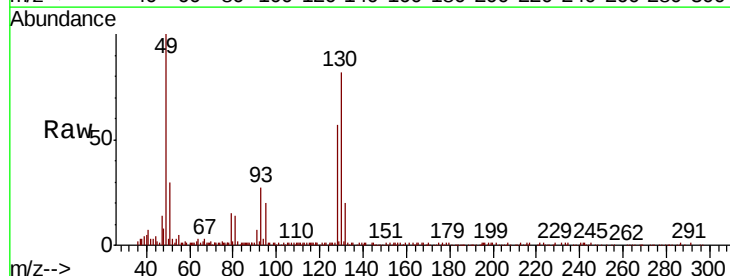
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



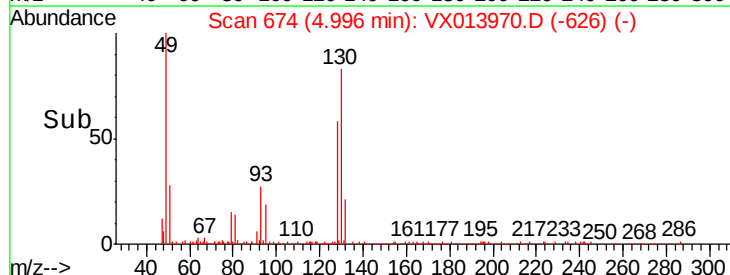
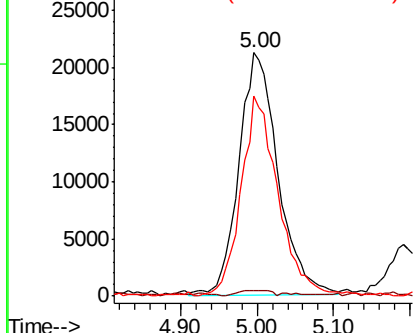
#28

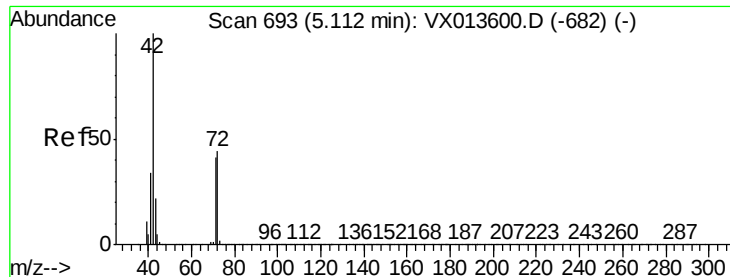
Bromochloromethane
 Concen: 18.274 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.0
130	78.5	65.4	98.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 75.120 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

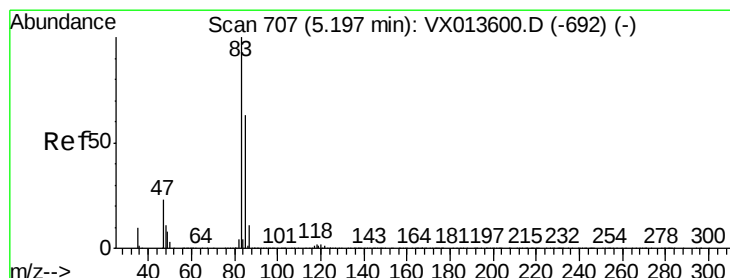
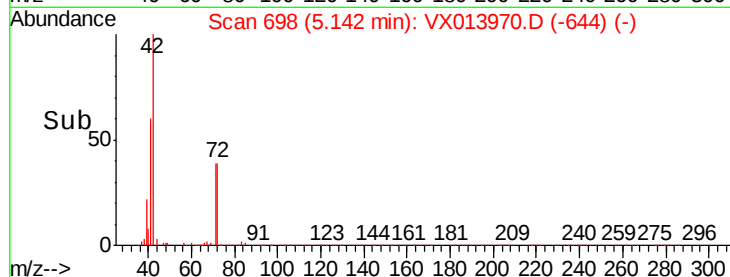
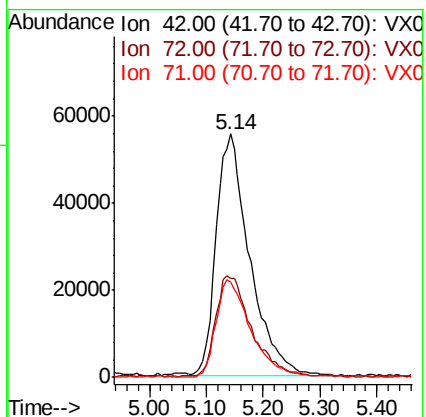
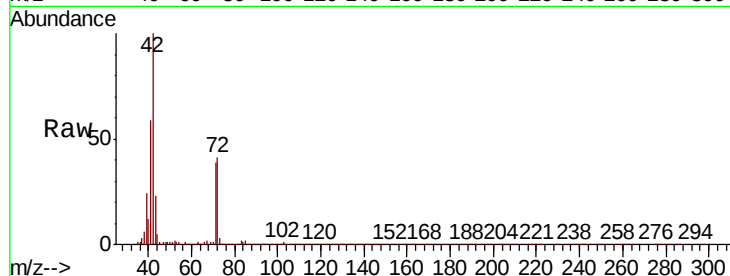
Tot Ion: 42 Resp: 227233

Ion Ratio Lower Upper

42 100

72 44.5 36.3 54.5

71 40.9 33.2 49.8



#30

Chloroform

Concen: 16.036 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013970.D

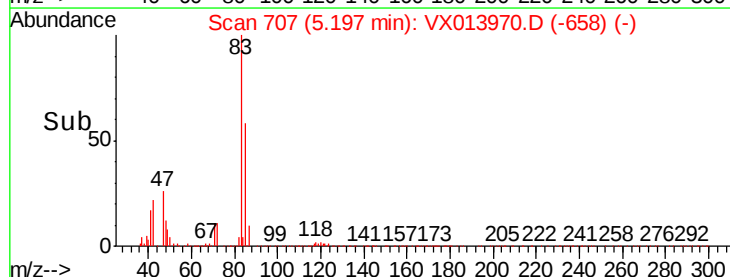
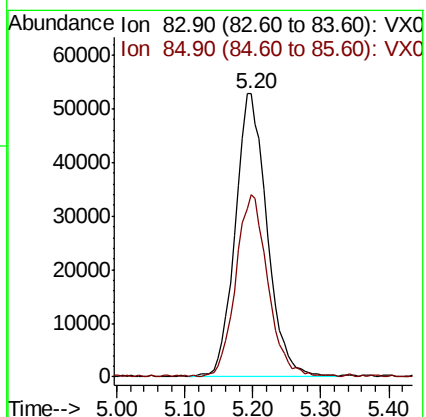
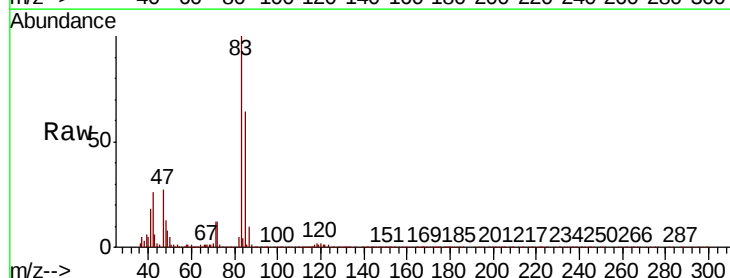
Acq: 12 Dec 2019 12:55

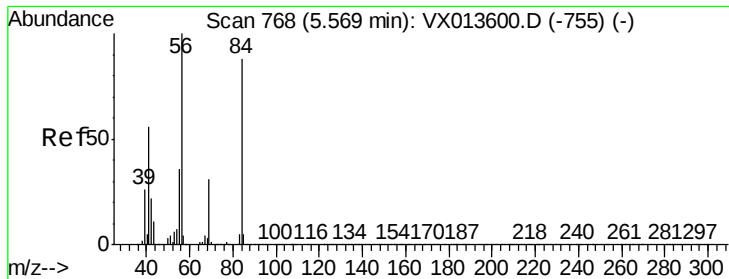
Tgt Ion: 83 Resp: 170325

Ion Ratio Lower Upper

83 100

85 64.2 50.2 75.4





#31

Cyclohexane

Concen: 15.492 ug/l

RT: 5.55 min Scan# 765

Delta R.T. -0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

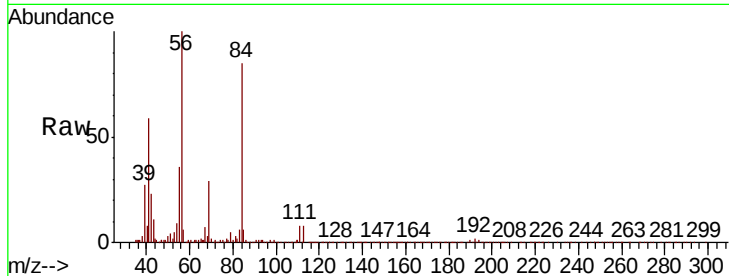
Tot Ion: 56 Resp: 153033

Ion Ratio Lower Upper

56 100

69 29.2 24.6 36.8

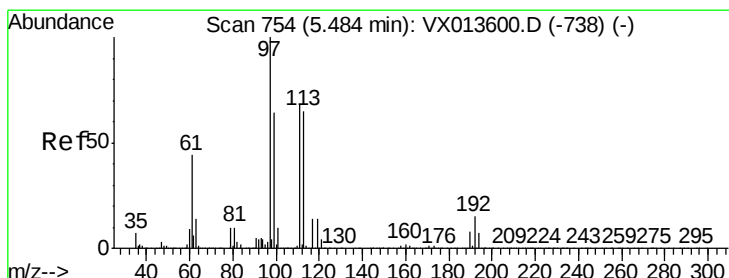
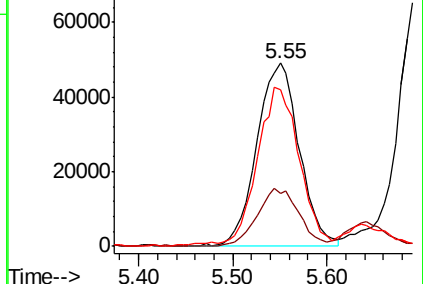
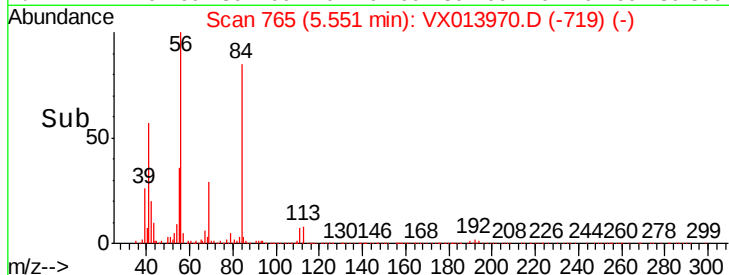
84 84.4 70.0 105.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 15.765 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

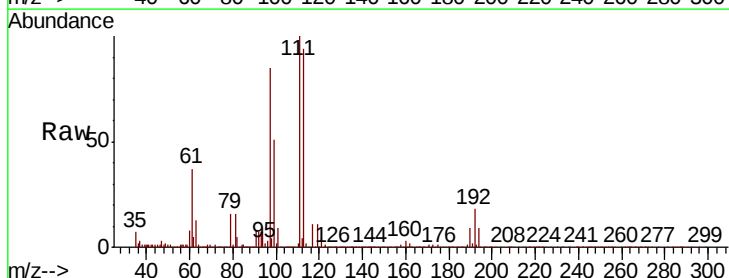
Tgt Ion: 97 Resp: 139933

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

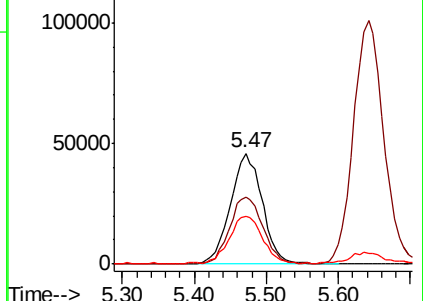
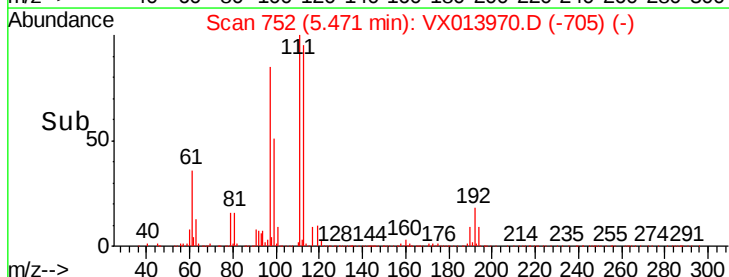
61 45.4 36.1 54.1

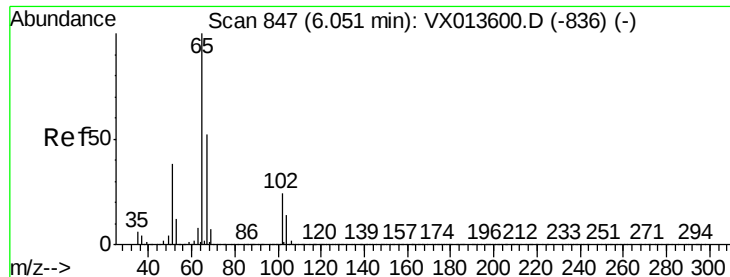


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 40.268 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

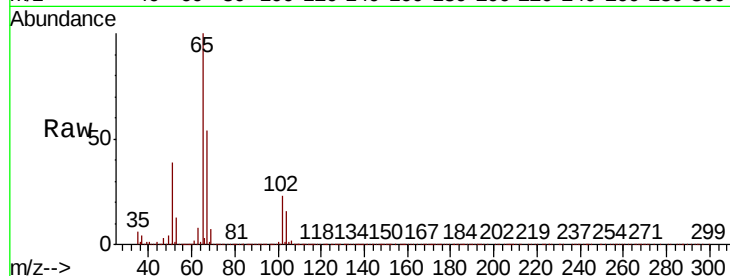
VX1212WBS02

Tot Ion: 65 Resp: 269284

Ion Ratio Lower Upper

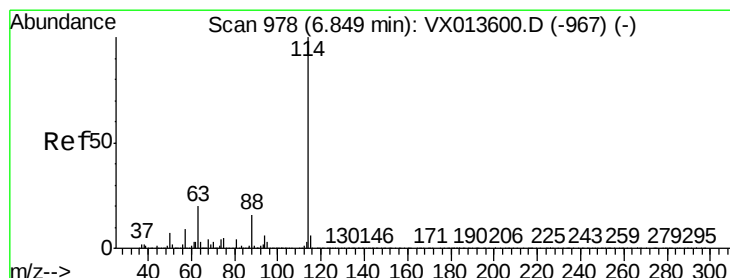
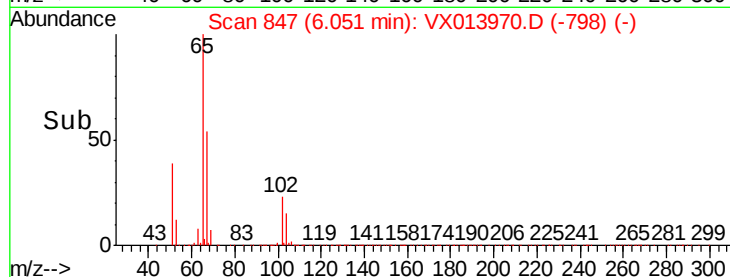
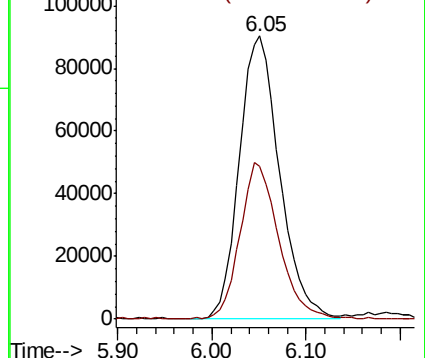
65 100

67 52.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

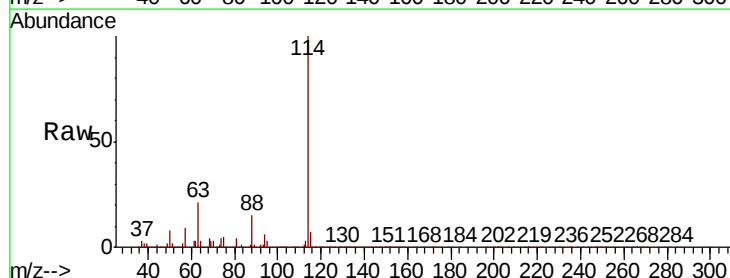
Tgt Ion: 114 Resp: 866436

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

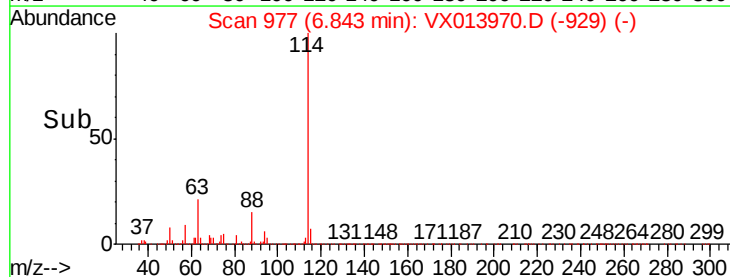
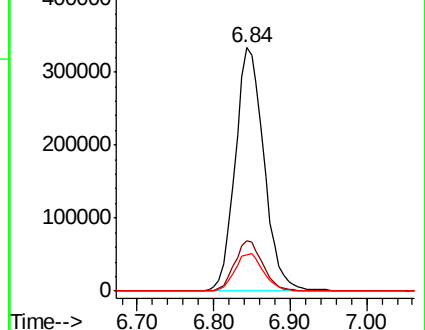
88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 40.632 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

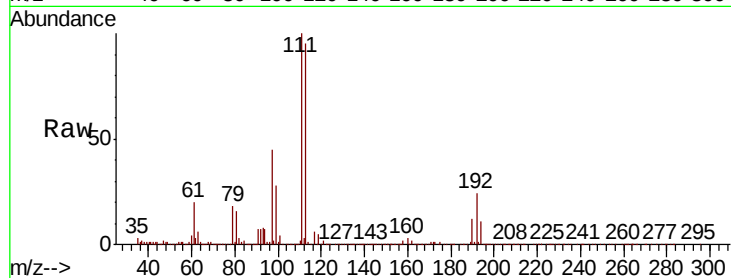
Tot Ion:113 Resp: 217643

Ion Ratio Lower Upper

113 100

111 105.0 83.6 125.4

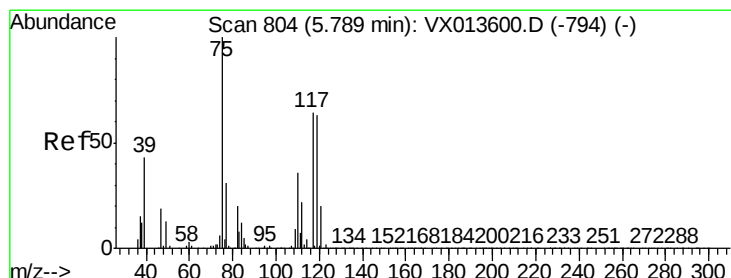
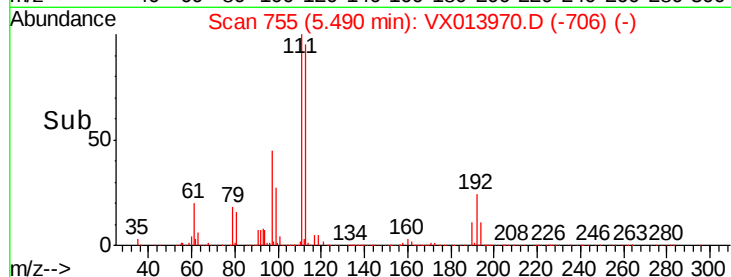
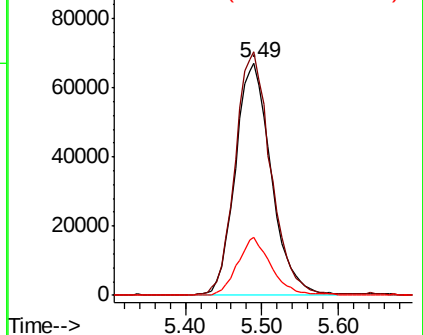
192 23.4 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 15.896 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

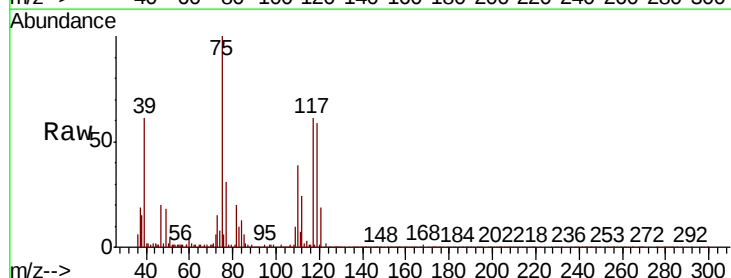
Tgt Ion: 75 Resp: 125020

Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.1

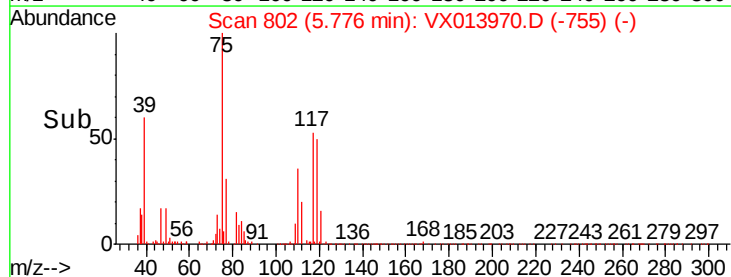
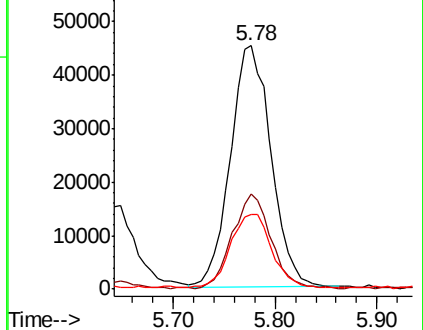
77 30.8 24.5 36.7

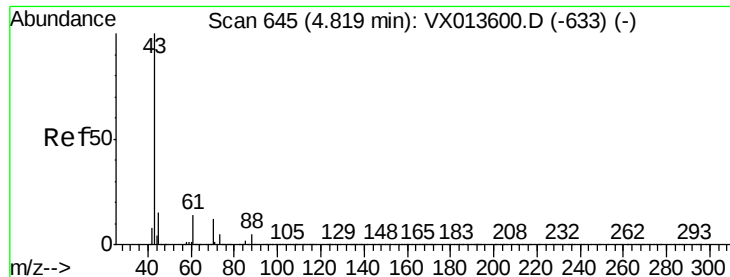


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

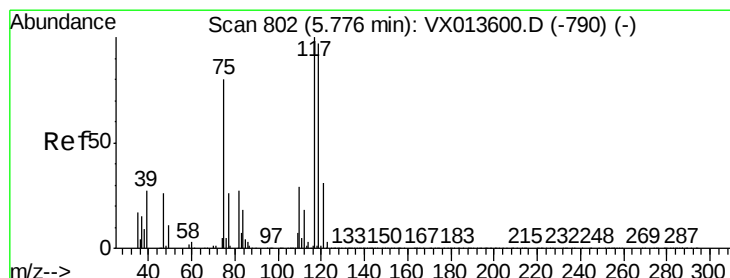
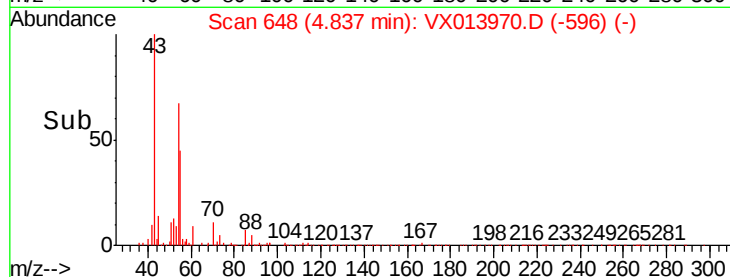
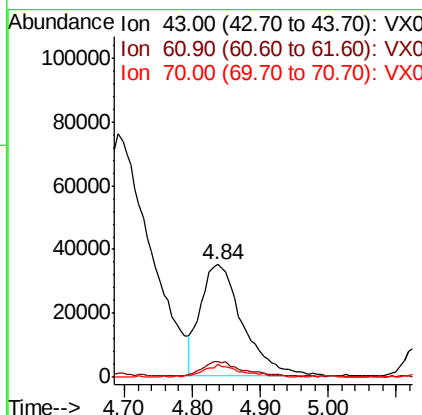
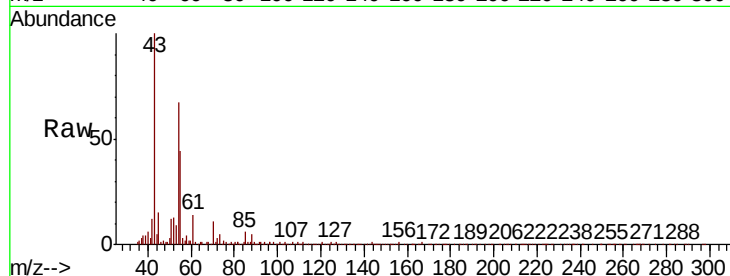




#37
Ethyl Acetate
Concen: 17.032 ug/l
RT: 4.84 min Scan# 648
Delta R.T. 0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

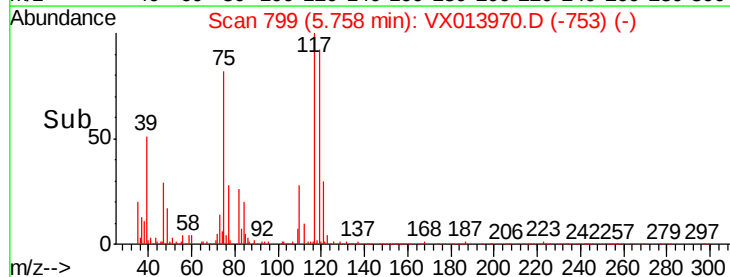
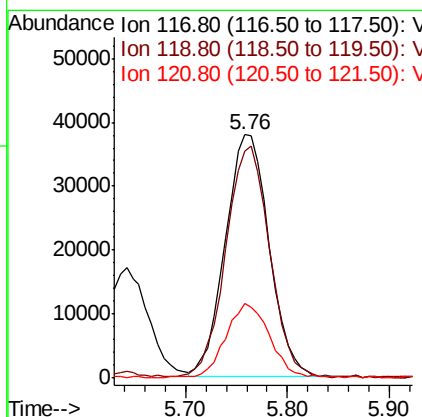
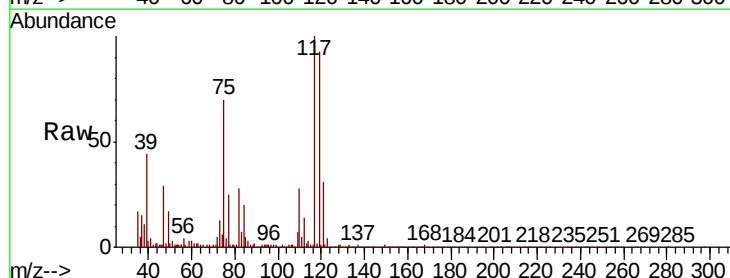
Instrument :
MSVOA_X
ClientSampled :
VX1212WBS02

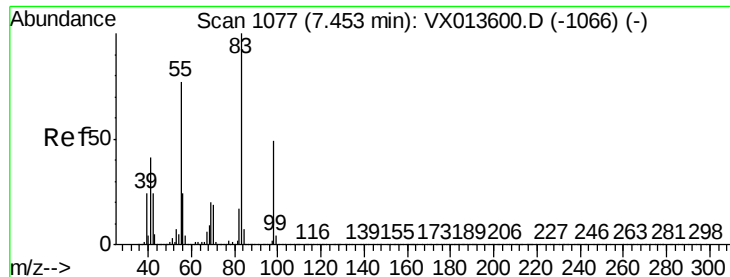
Tot Ion: 43 Resp: 150276
Ion Ratio Lower Upper
43 100
61 12.4 11.0 16.4
70 9.2 8.6 12.8



#38
Carbon Tetrachloride
Concen: 15.605 ug/l
RT: 5.76 min Scan# 799
Delta R.T. -0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 117 Resp: 113172
Ion Ratio Lower Upper
117 100
119 93.4 77.5 116.3
121 30.5 25.0 37.6

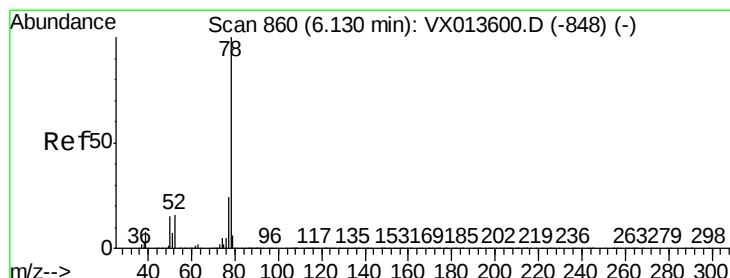
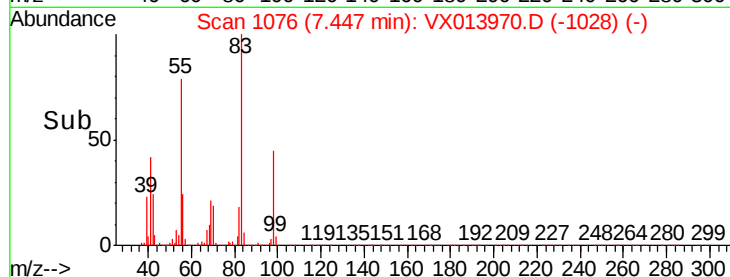
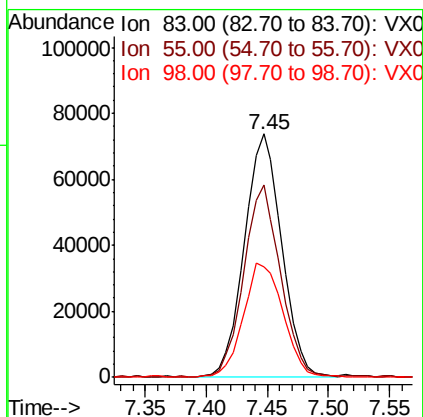
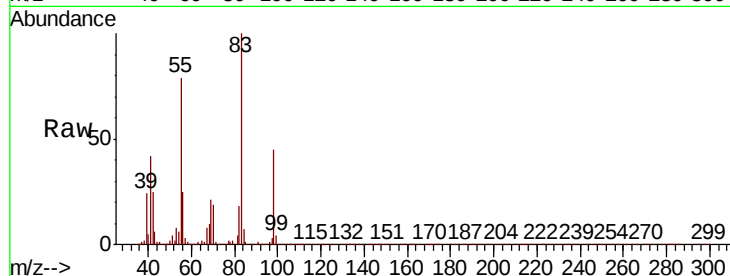




#39
Methvlcvclohexane
Concen: 16.065 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

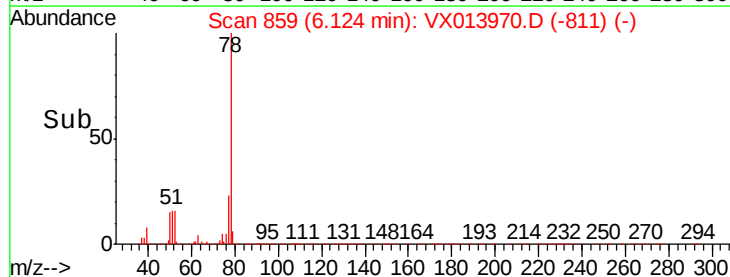
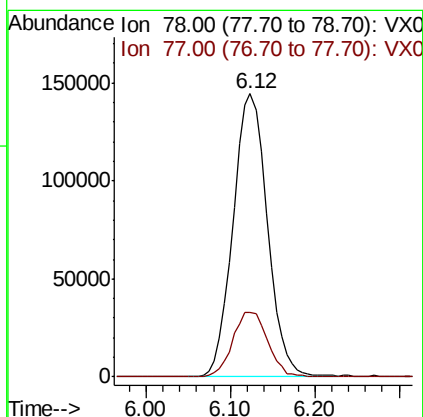
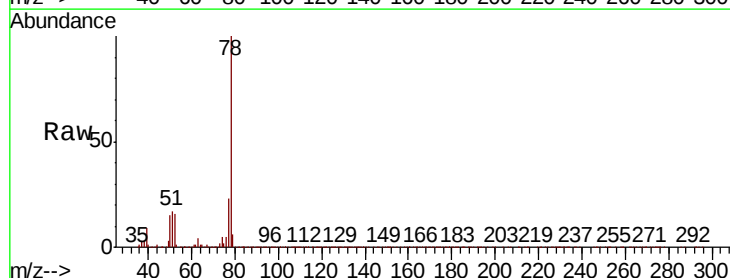
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

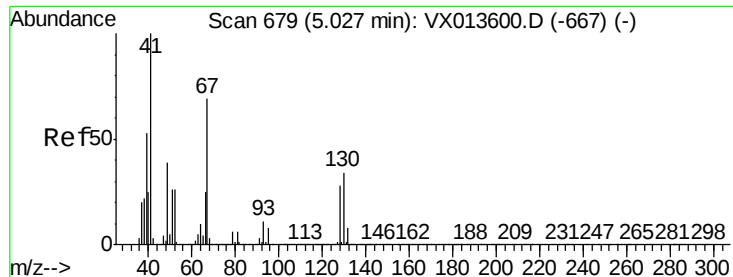
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.9	92.9
98	45.3	39.4	59.0



#40
Benzene
Concen: 16.670 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4

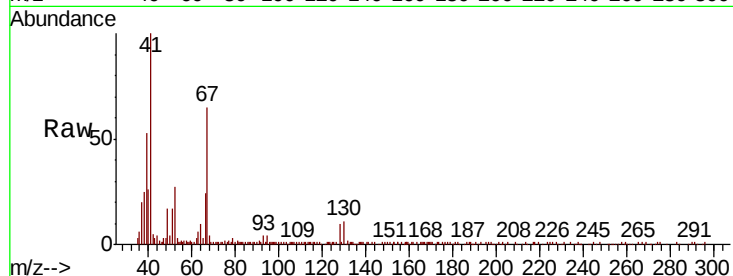




#41
Methacrylonitrile
Concen: 13.555 ug/l
RT: 5.06 min Scan# 684
Delta R.T. 0.03 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion:	41	Resp:	65591
Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.9	64.3
67	83.1	57.4	86.0
52	30.3	22.4	33.6



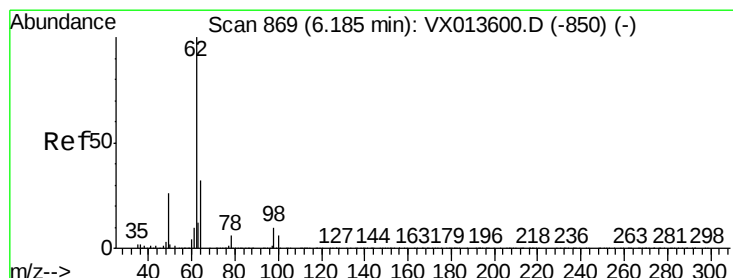
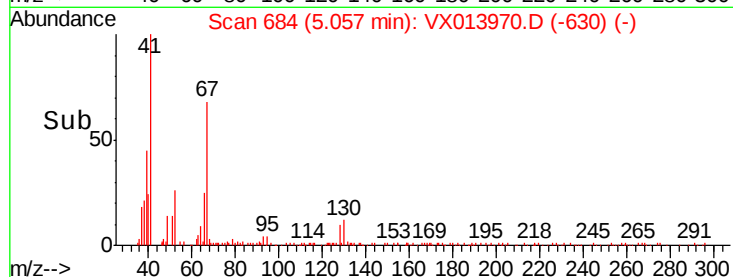
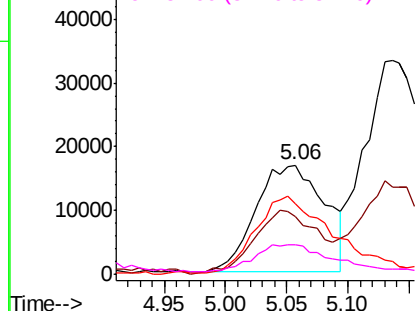
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

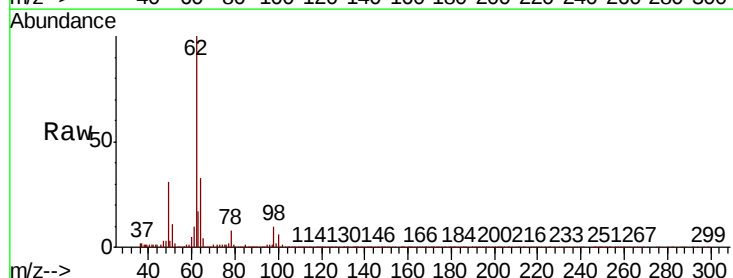
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 17.036 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

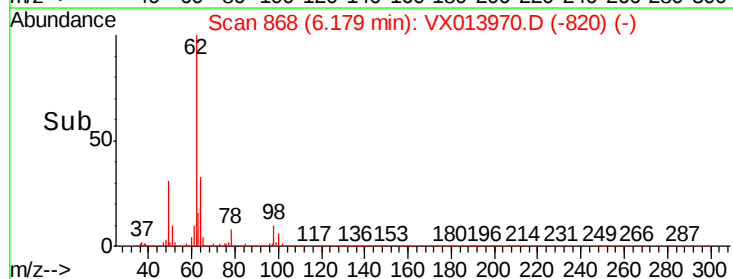
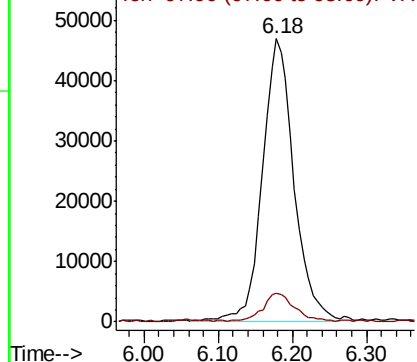
Tgt Ion:	62	Resp:	139174
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.8

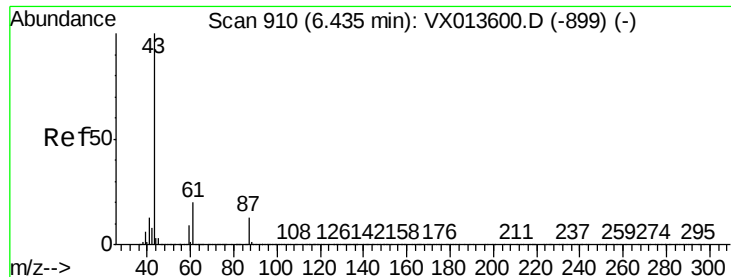


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



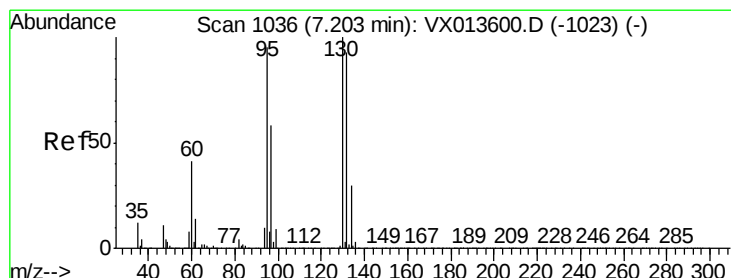
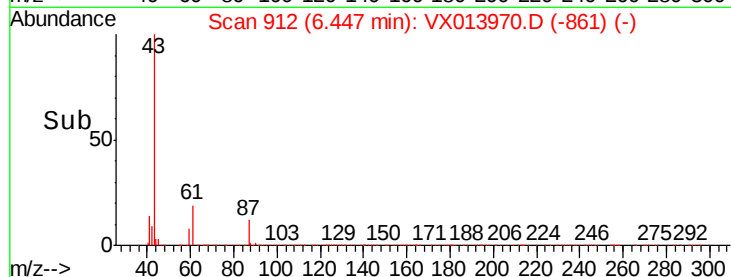
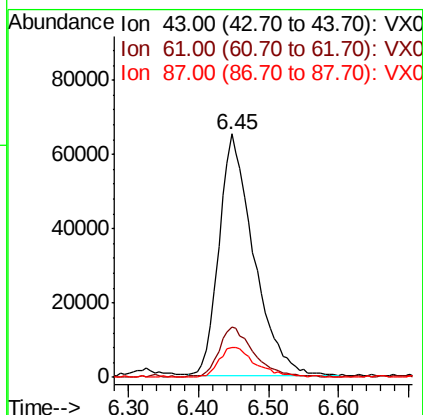
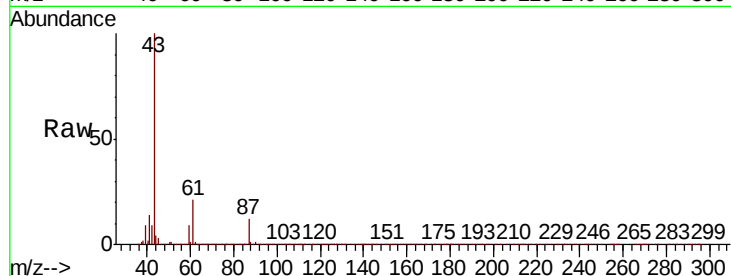


#43

Isopropyl Acetate
 Concen: 15.369 ug/l
 RT: 6.45 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

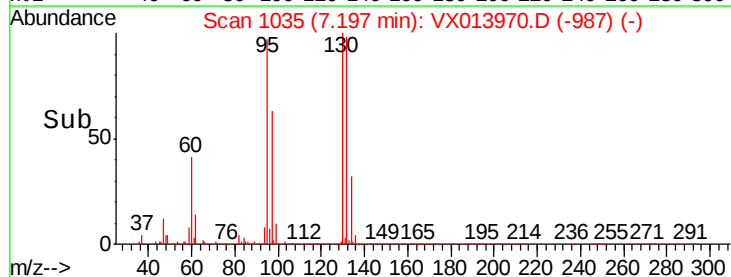
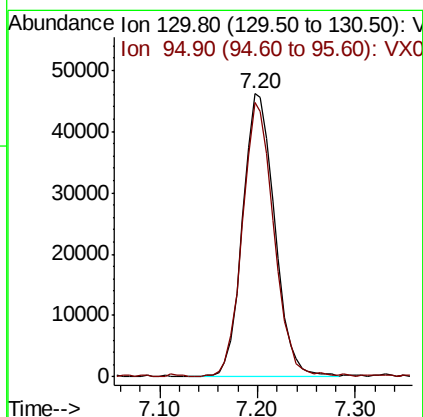
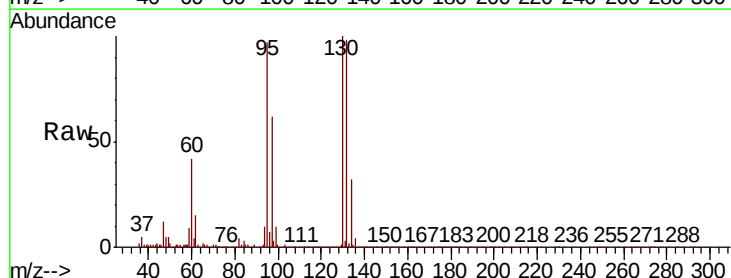
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.3	24.5
87	12.6	10.8	16.2



#44

Trichloroethene
 Concen: 15.790 ug/l
 RT: 7.20 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	190.8

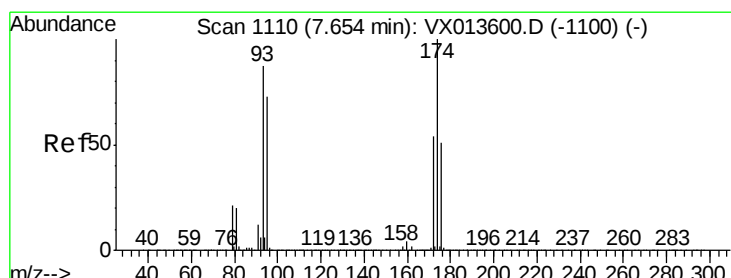
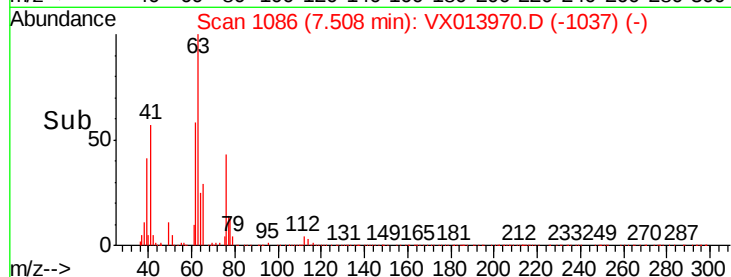
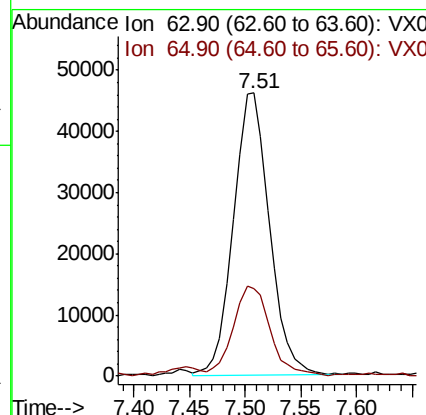
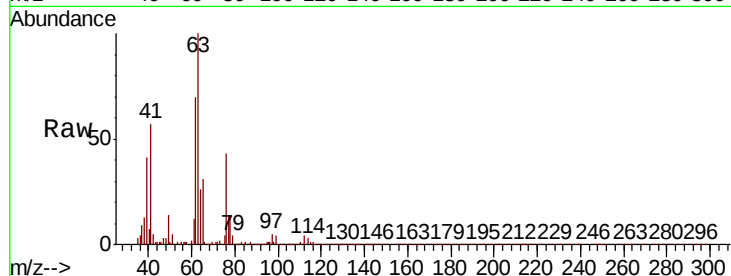




#45
 1,2-Dichloropropane
 Concen: 17.289 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

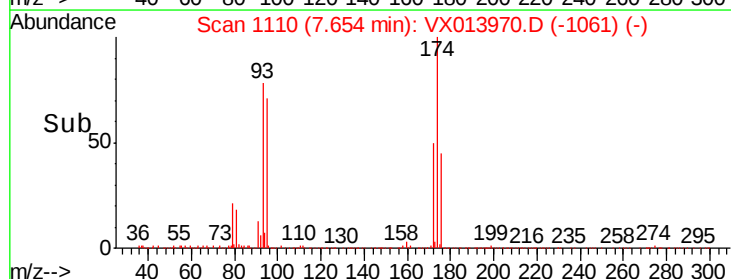
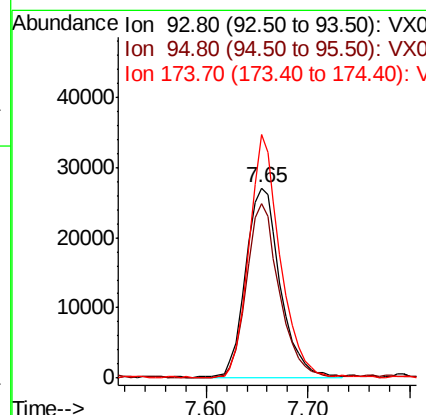
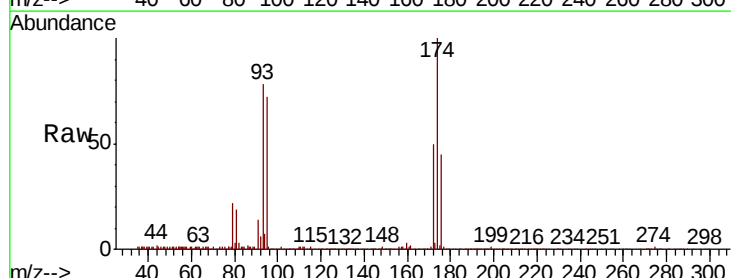
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion: 63 Resp: 103617
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.5 38.3



#46
 Dibromomethane
 Concen: 15.823 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion: 93 Resp: 64407
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.2 99.2
 174 114.2 93.4 140.0





#47

Bromodichloromethane

Concen: 15.614 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

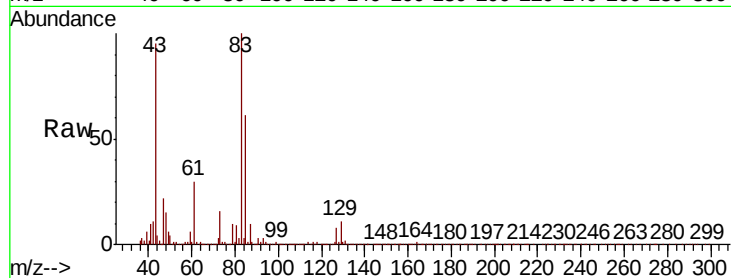
Tot Ion: 83 Resp: 120153

Ion Ratio Lower Upper

83 100

85 61.1 52.1 78.1

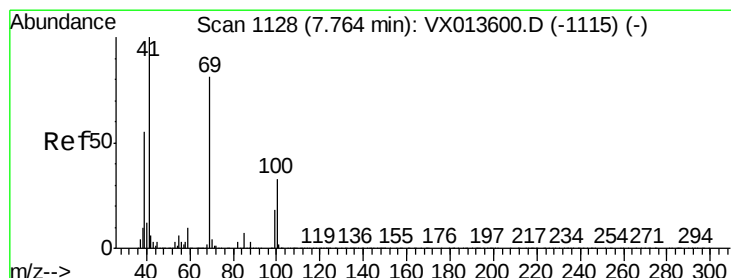
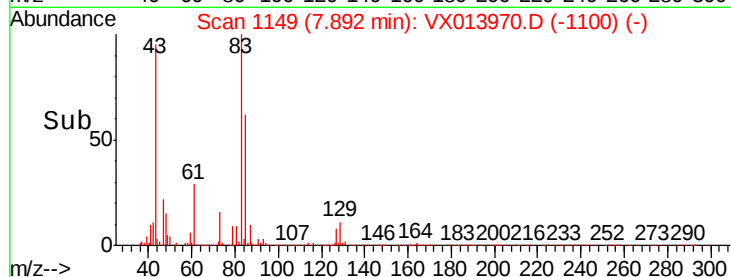
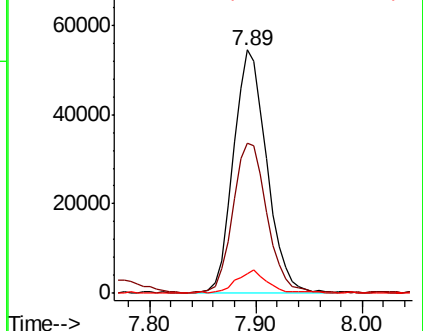
127 7.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 15.327 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

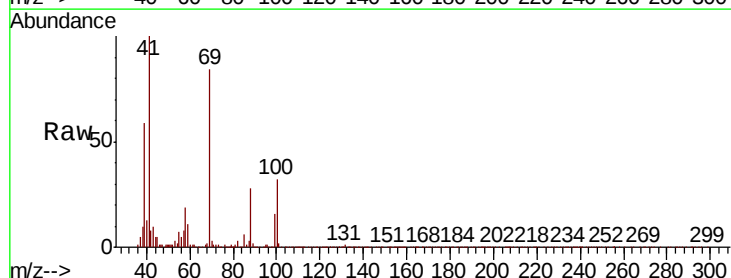
Tgt Ion: 41 Resp: 108179

Ion Ratio Lower Upper

41 100

69 84.1 64.7 97.1

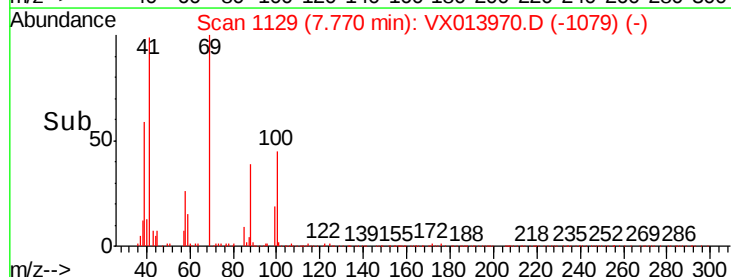
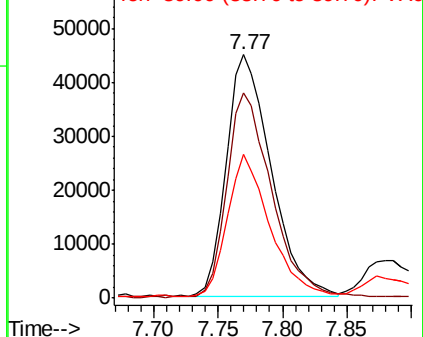
39 55.4 43.8 65.6

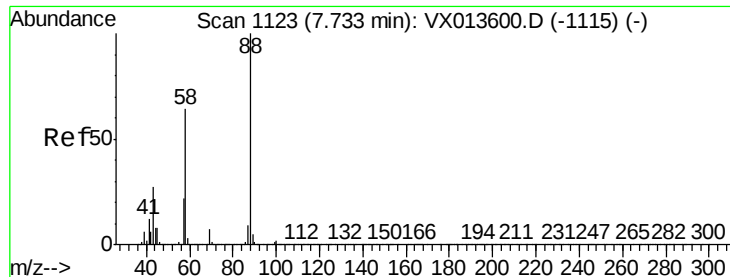


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 260.389 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

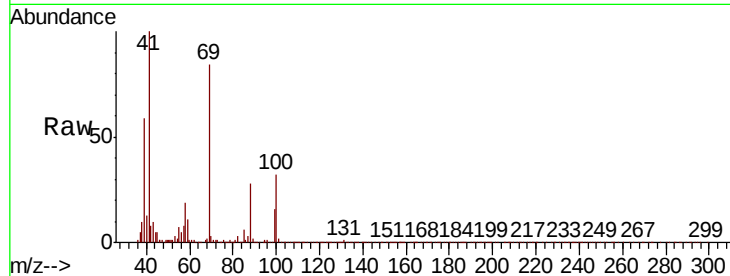
Tot Ion: 88 Resp: 41137

Ion Ratio Lower Upper

88 100

43 35.7 25.8 38.6

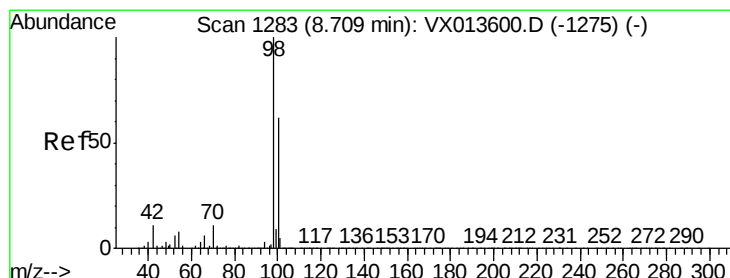
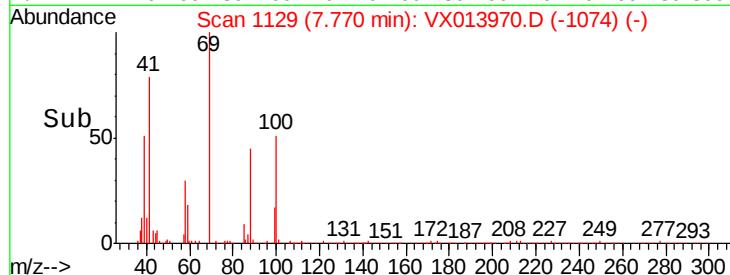
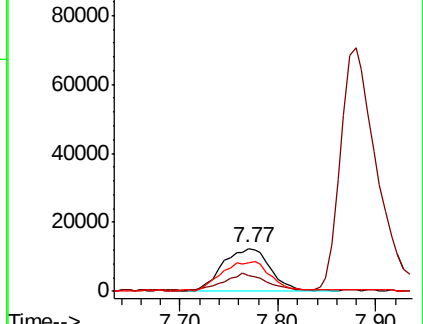
58 70.9 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 39.776 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013970.D

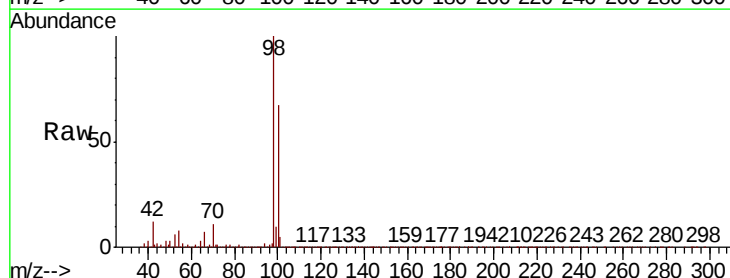
Acq: 12 Dec 2019 12:55

Tgt Ion: 98 Resp: 830102

Ion Ratio Lower Upper

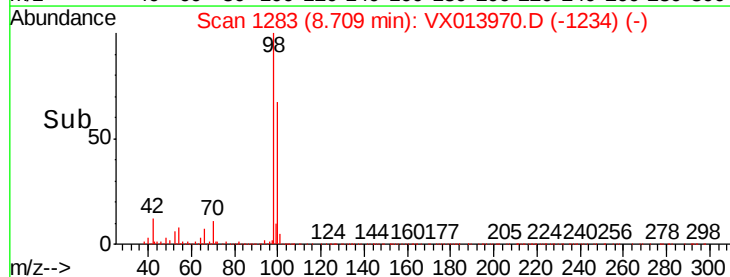
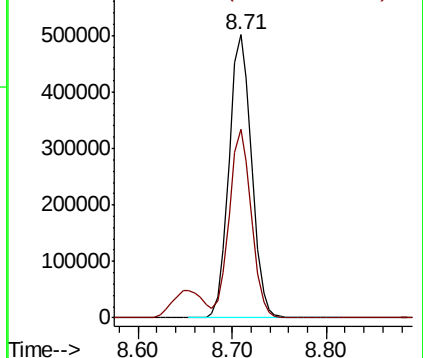
98 100

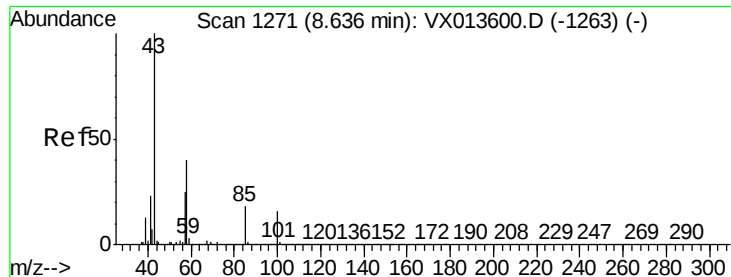
100 65.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 76.710 ug/l

RT: 8.65 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

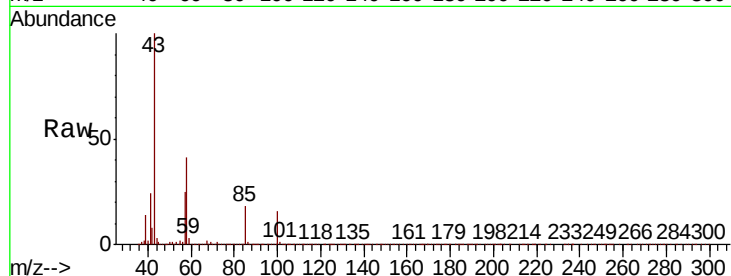
VX1212WBS02

Tot Ion: 43 Resp: 700924

Ion Ratio Lower Upper

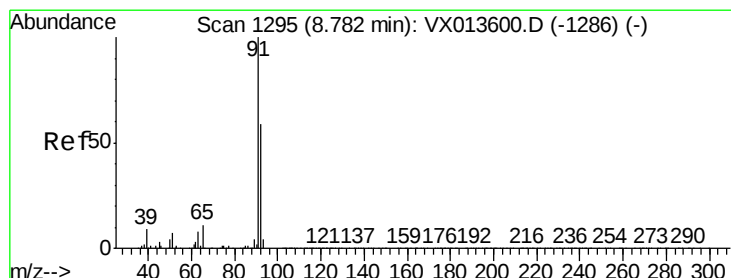
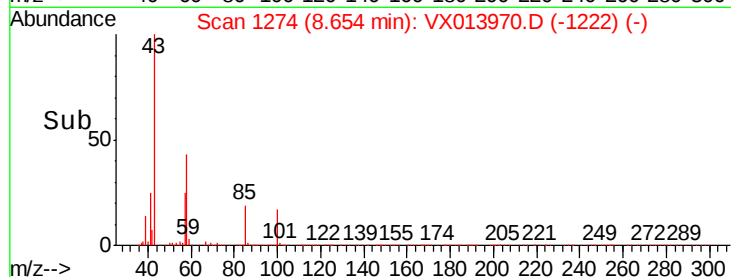
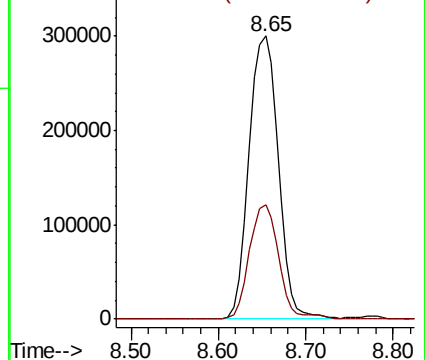
43 100

58 40.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 16.279 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013970.D

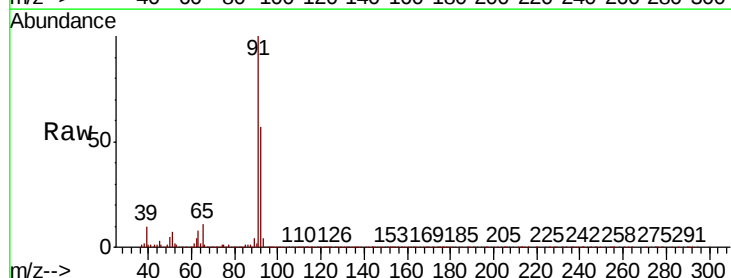
Acq: 12 Dec 2019 12:55

Tgt Ion: 92 Resp: 242251

Ion Ratio Lower Upper

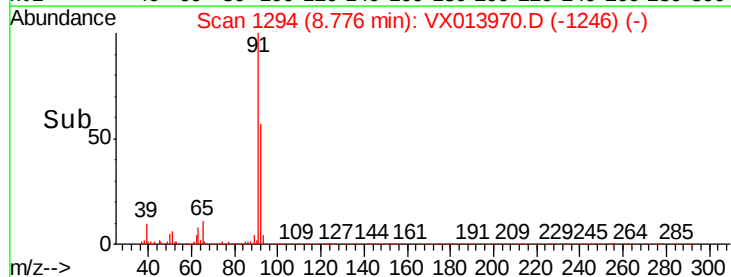
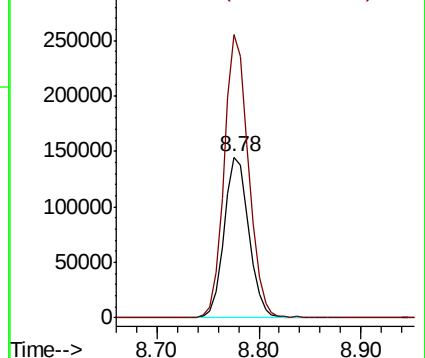
92 100

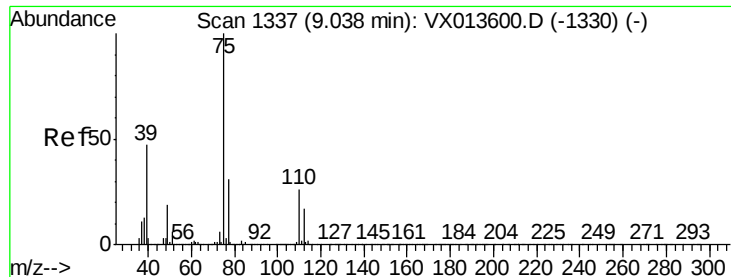
91 173.8 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

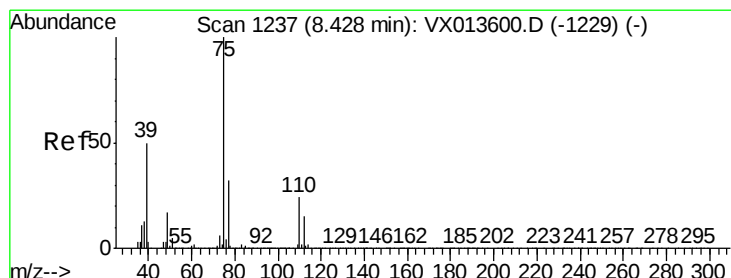
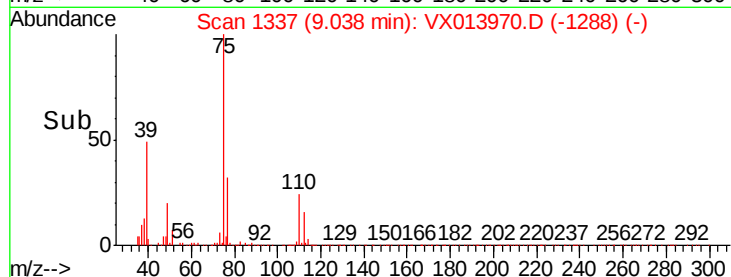
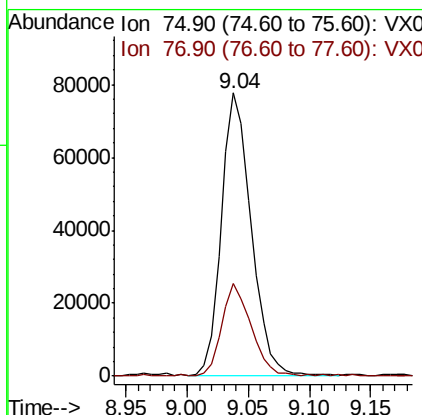
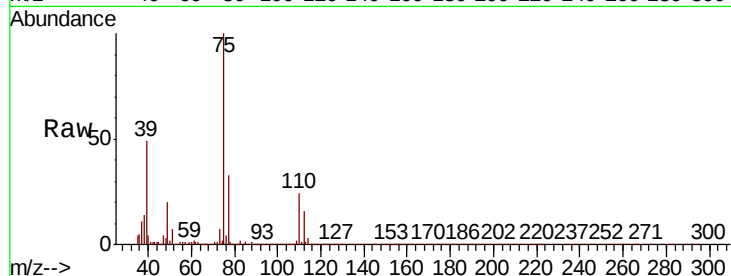




#53
t-1,3-Dichloropropene
Concen: 14.855 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

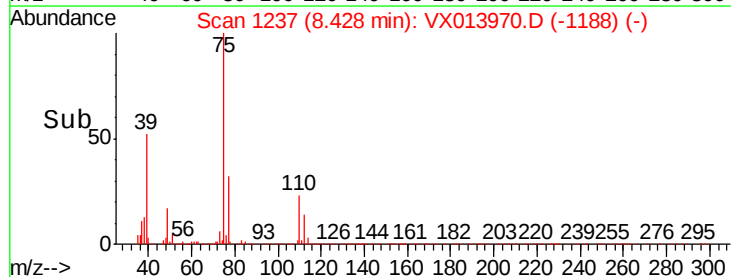
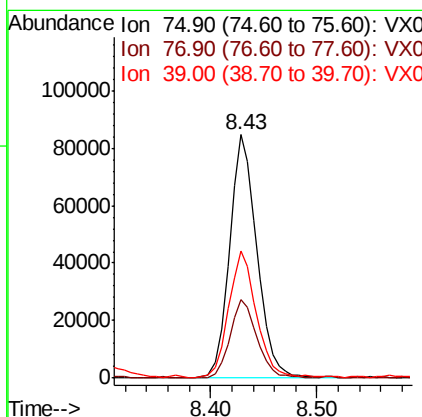
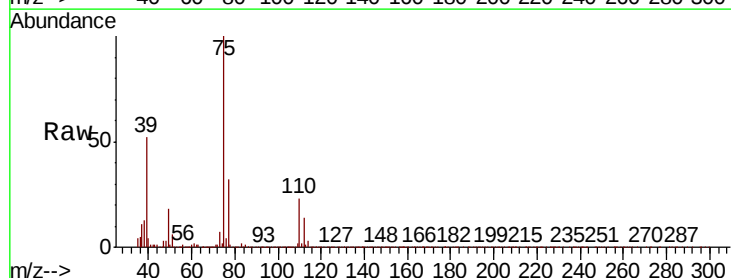
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

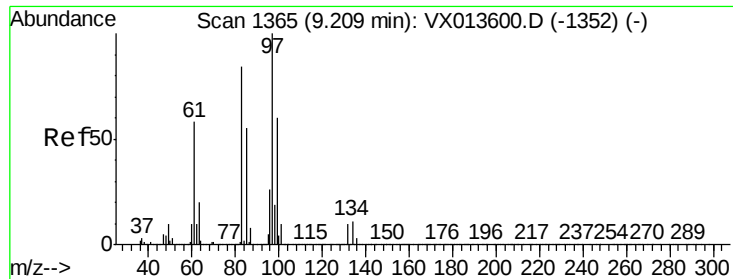
Tot Ion: 75 Resp: 130115
Ion Ratio Lower Upper
75 100
77 32.6 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 15.823 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 75 Resp: 151420
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
39 52.0 39.9 59.9

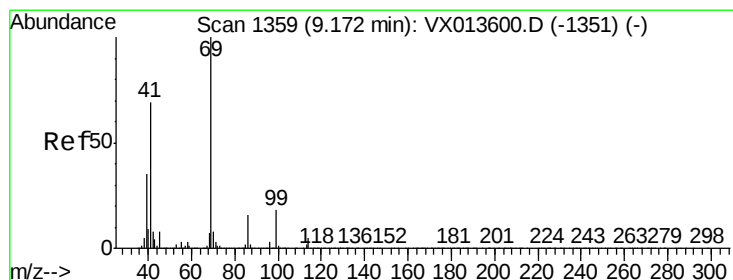
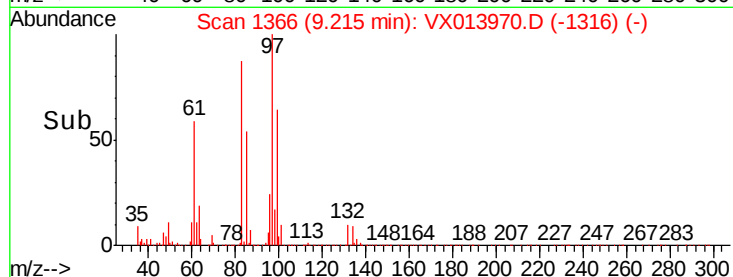
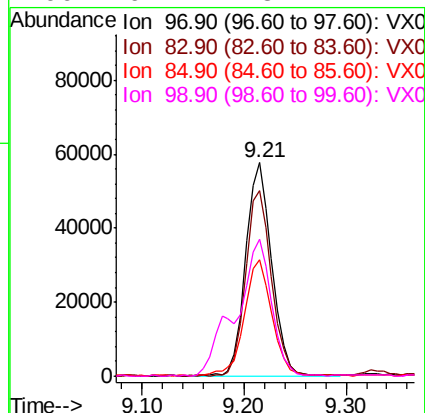
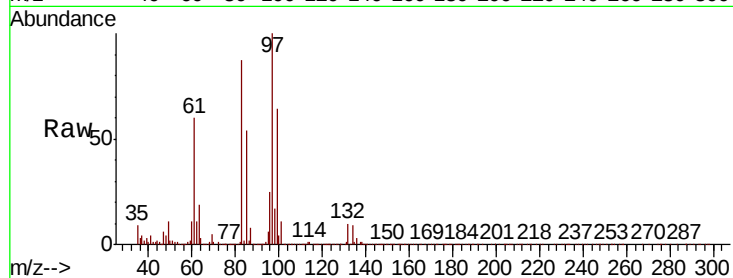




#55
 1,1,2-Trichloroethane
 Concen: 16.972 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

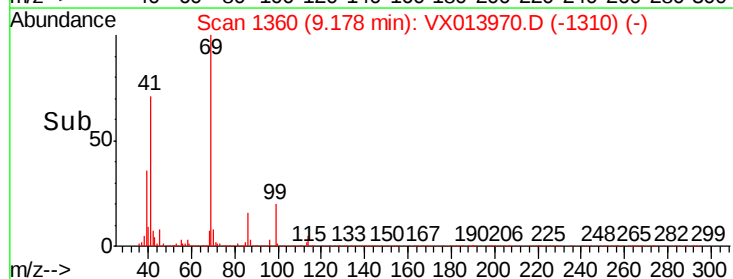
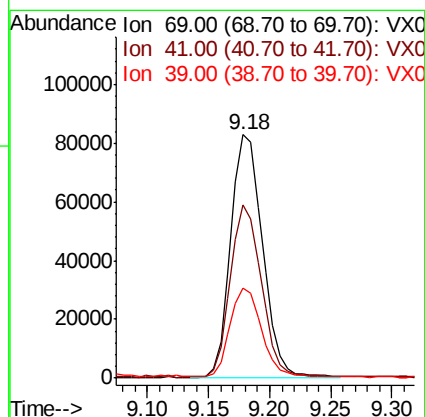
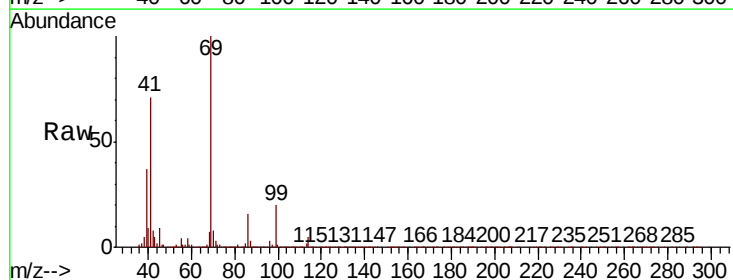
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

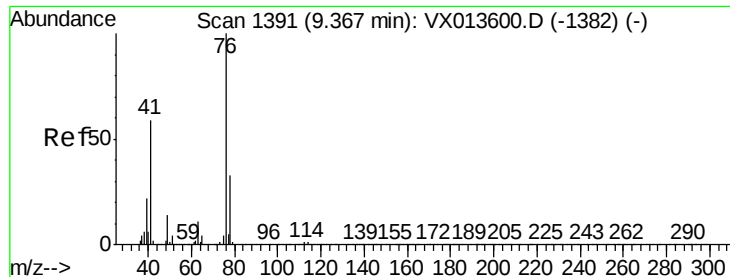
Tot Ion:	97	Resp:	101780
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.3	100.9
85	54.2	43.6	65.4
99	64.2	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 15.456 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion:	69	Resp:	149016
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.0	82.4
39	36.1	28.7	43.1





#57

1,3-Dichloropropane

Concen: 16.676 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

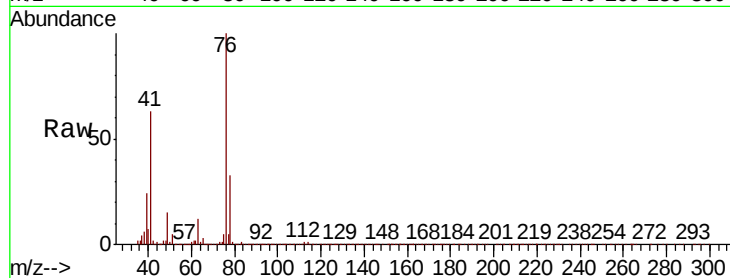
VX1212WBS02

Tot Ion: 76 Resp: 172371

Ion Ratio Lower Upper

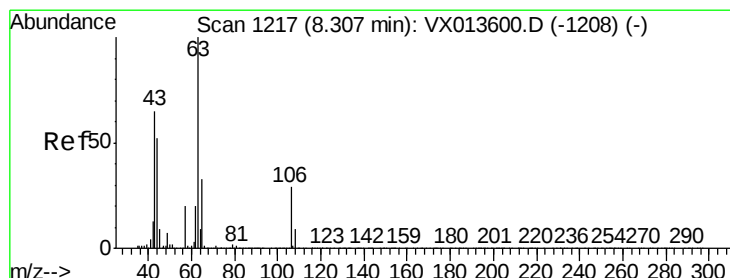
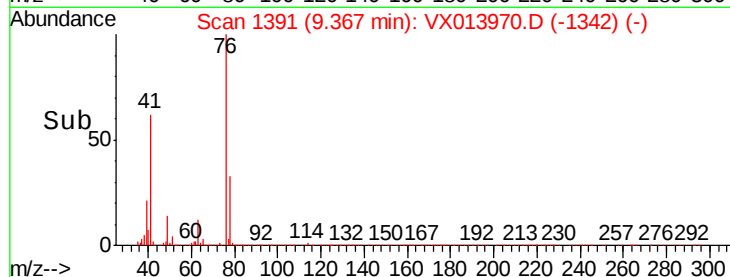
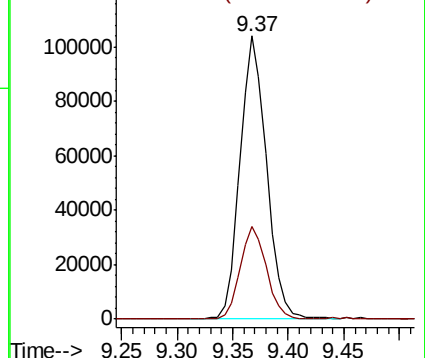
76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 88.121 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013970.D

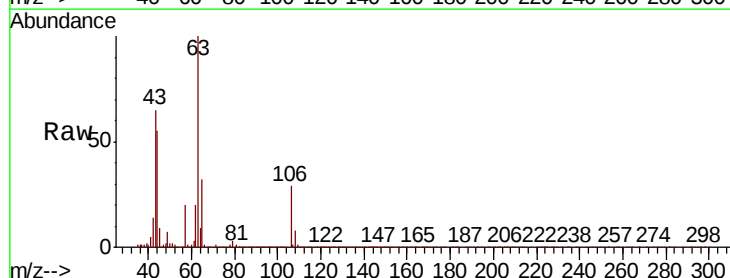
Acq: 12 Dec 2019 12:55

Tgt Ion: 63 Resp: 333114

Ion Ratio Lower Upper

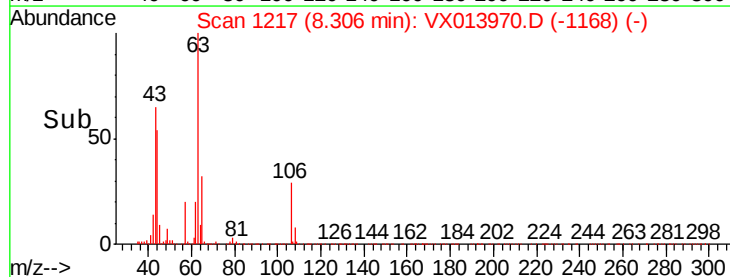
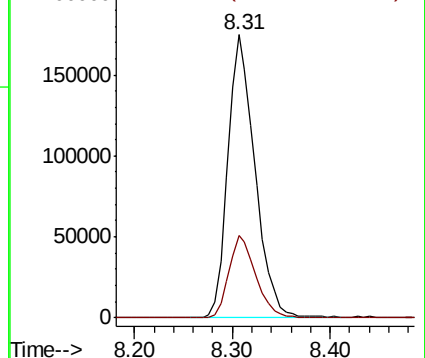
63 100

106 29.2 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

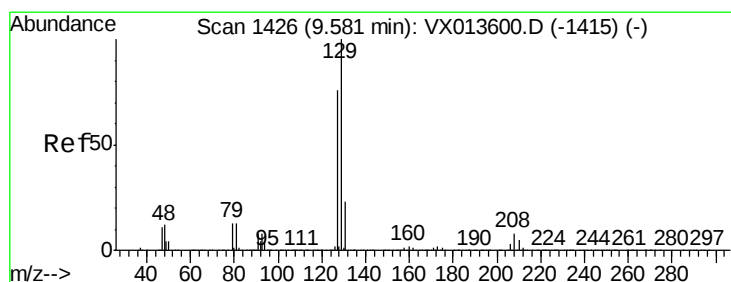
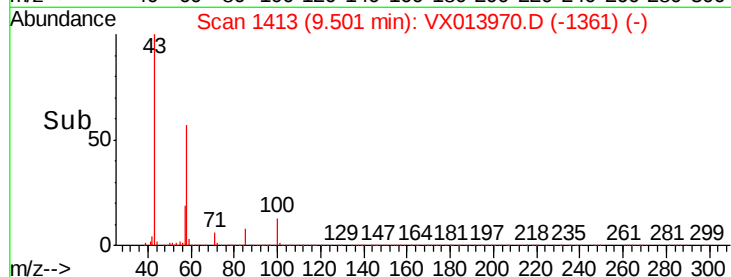
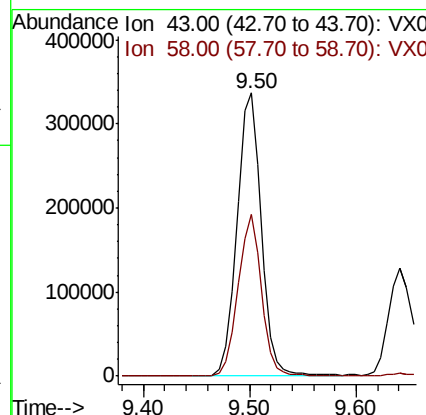
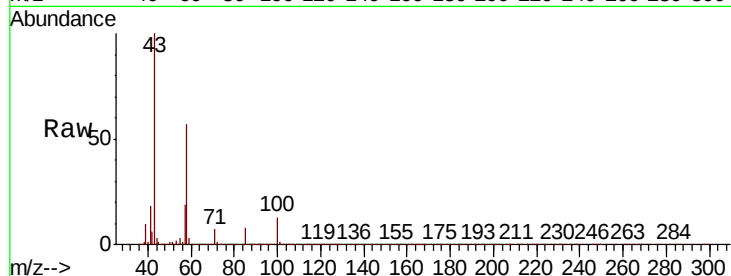




#59
2-Hexanone
Concen: 75.690 ug/l
RT: 9.50 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

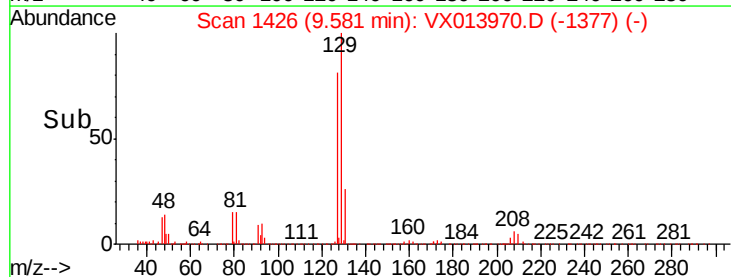
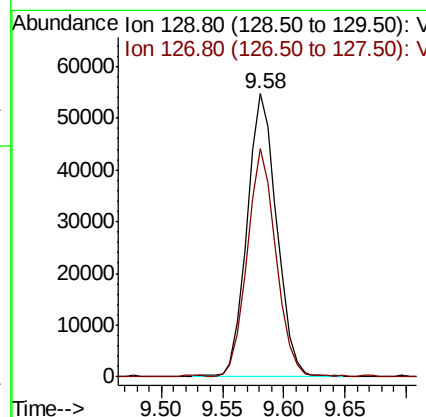
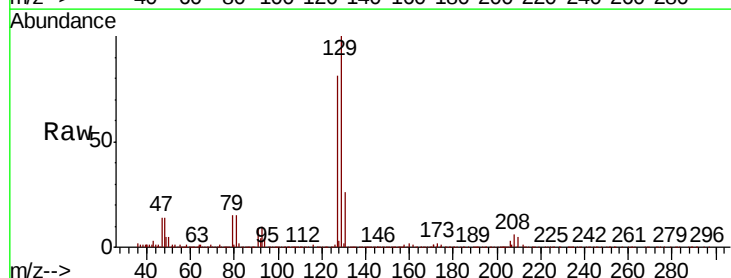
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

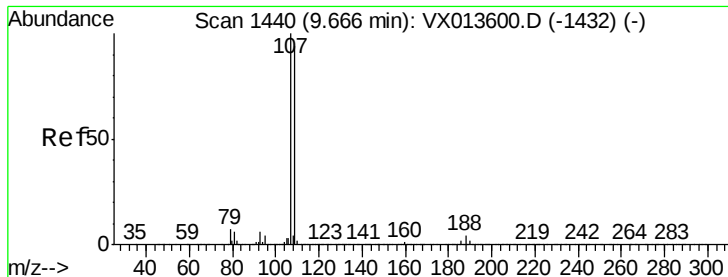
Tot Ion: 43 Resp: 539393
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.4



#60
Dibromochloromethane
Concen: 14.845 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 129 Resp: 92387
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 15.755 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

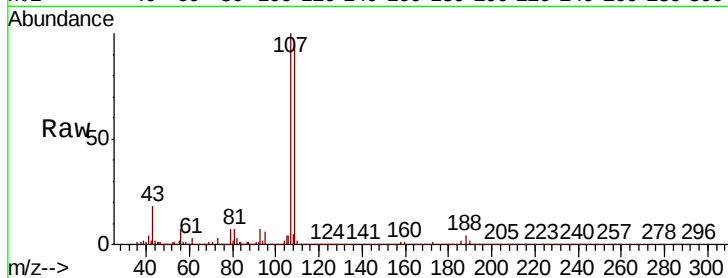
VX1212WBS02

Tot Ion:107 Resp: 100910

Ion Ratio Lower Upper

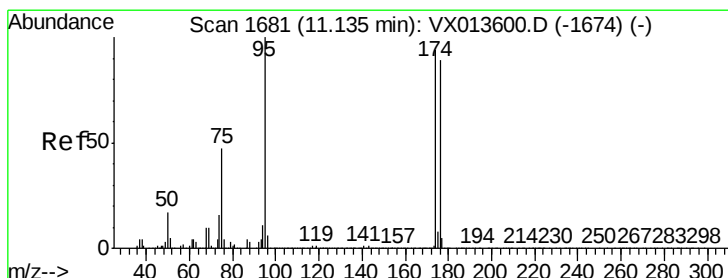
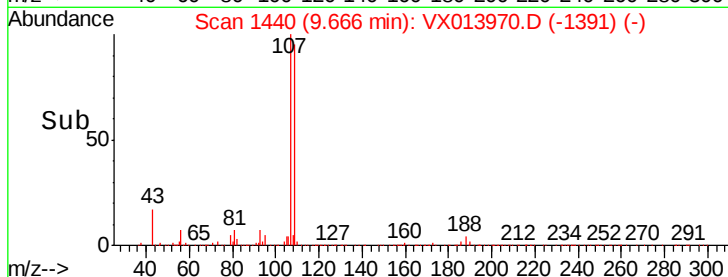
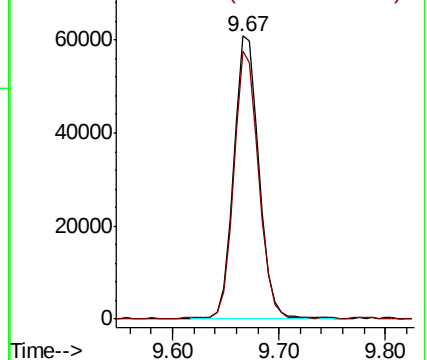
107 100

109 92.3 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.847 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

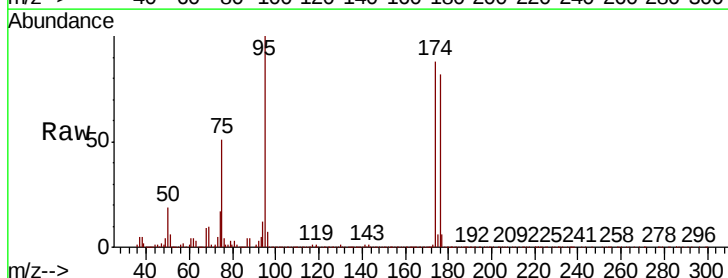
Tgt Ion: 95 Resp: 299869

Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.0

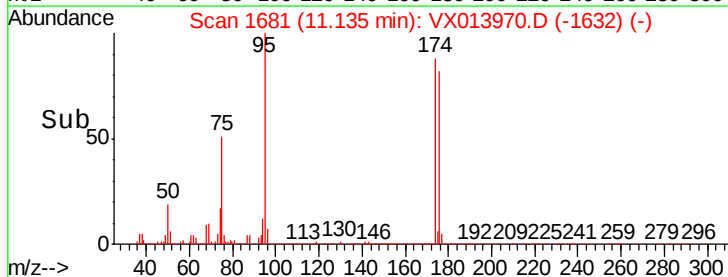
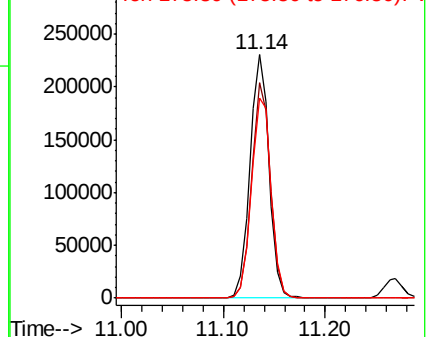
176 85.1 0.0 173.6

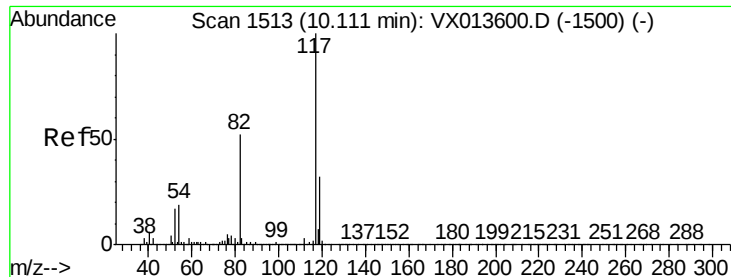


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

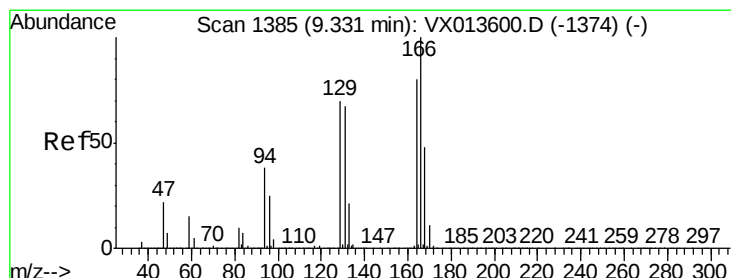
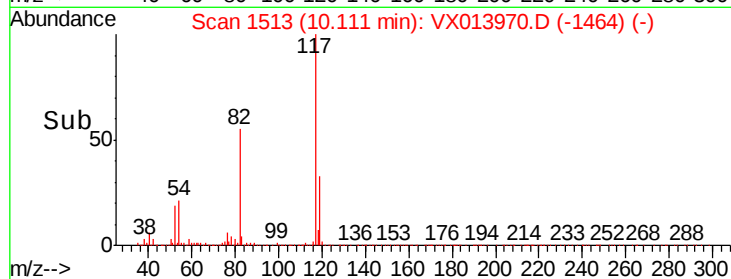
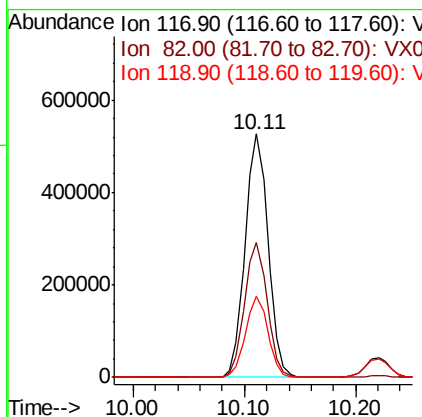
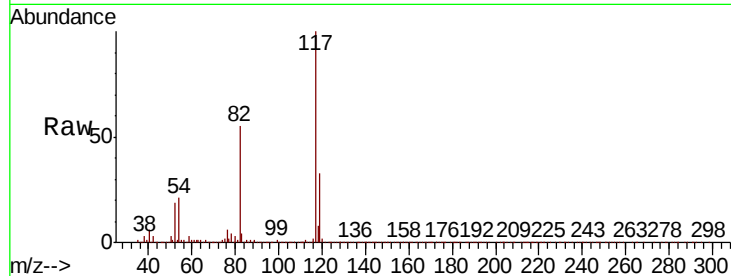




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

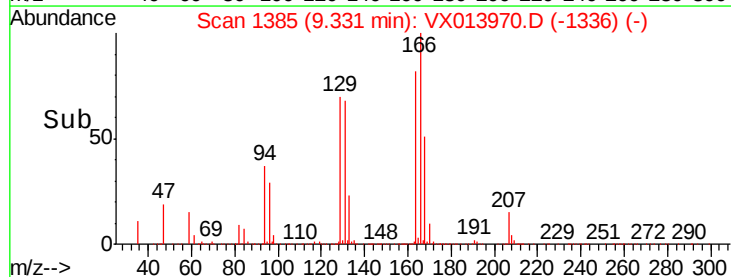
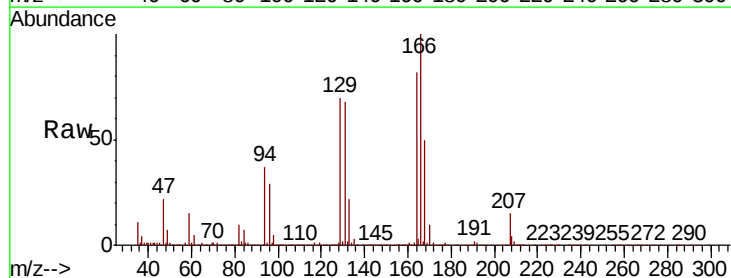
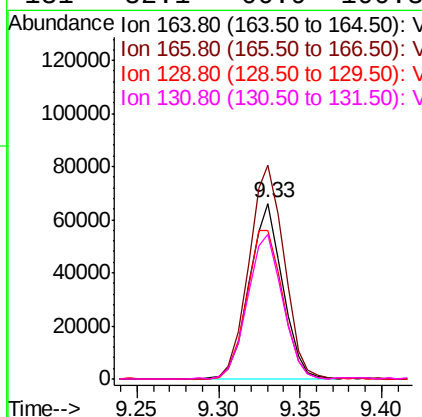
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

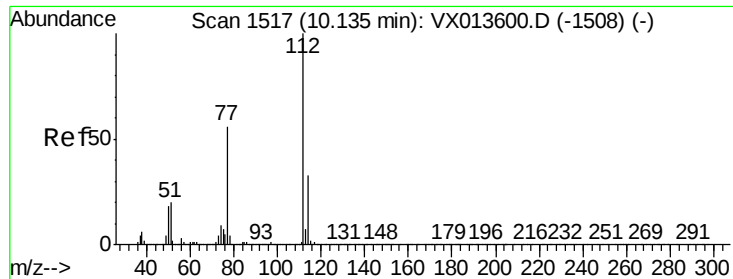
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.8	62.8
119	33.2	25.8	38.8



#64
Tetrachloroethene
Concen: 16.737 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	99.7	149.5
129	84.6	70.1	105.1
131	82.1	66.9	100.3





#65

Chlorobenzene

Concen: 16.674 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

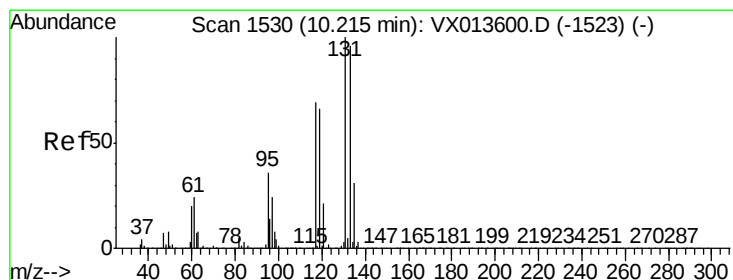
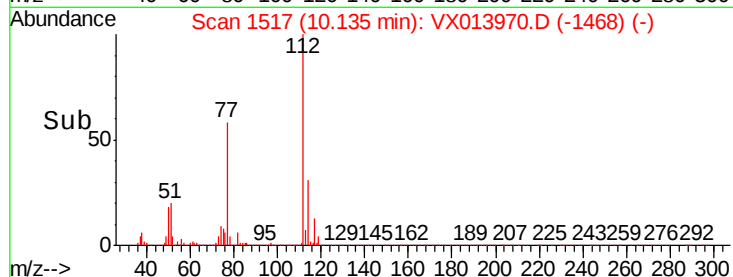
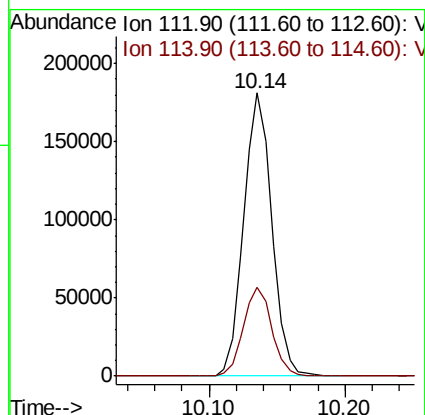
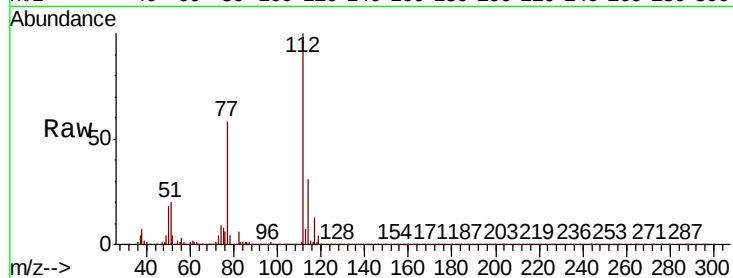
VX1212WBS02

Tot Ion:112 Resp: 261397

Ion Ratio Lower Upper

112 100

114 31.4 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 16.645 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

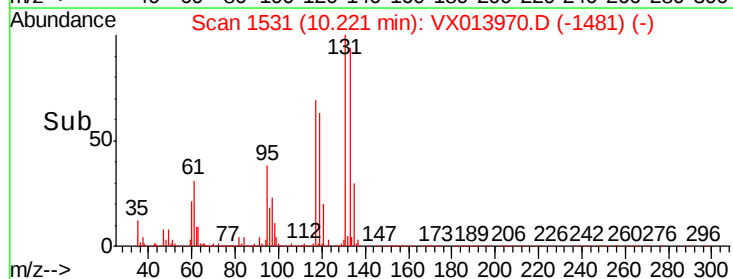
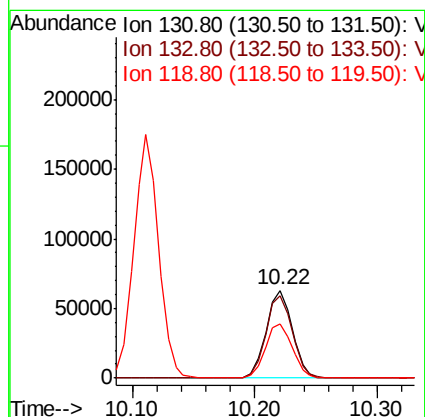
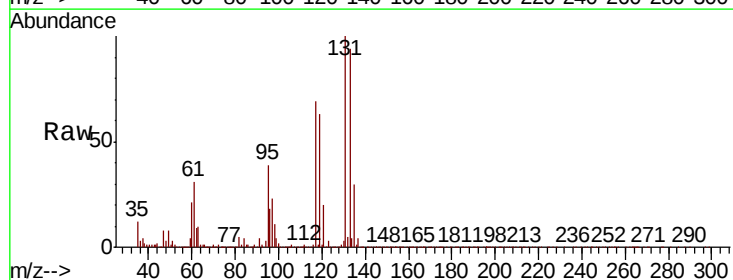
Tgt Ion:131 Resp: 93705

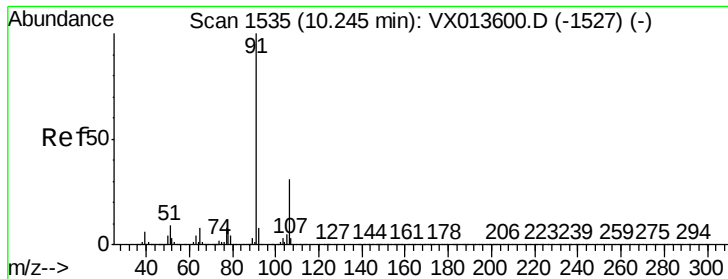
Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 64.1 32.9 98.6

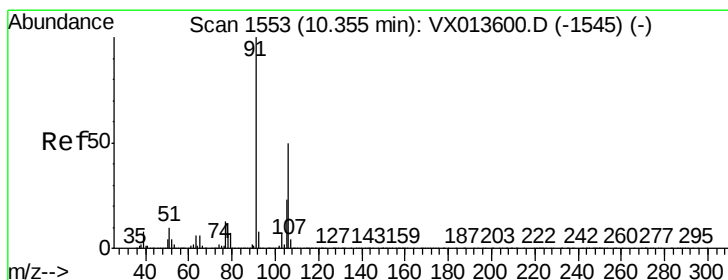
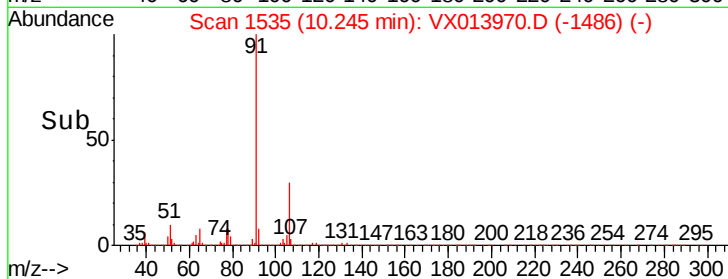
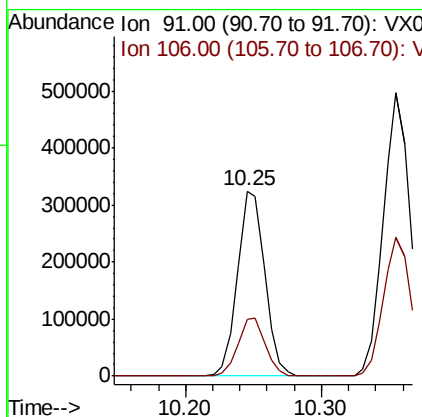
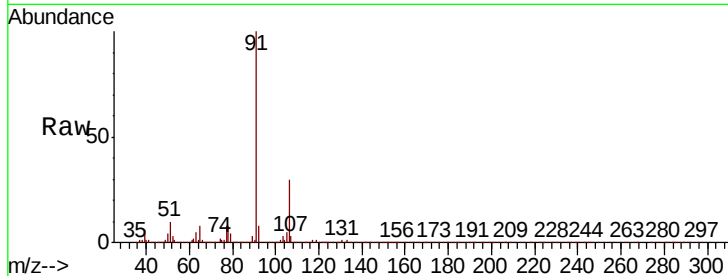




#67
Ethyl Benzene
Concen: 16.835 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

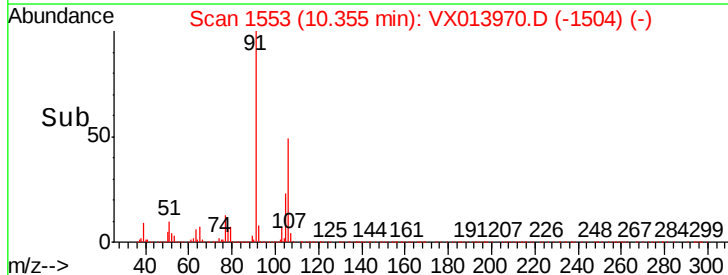
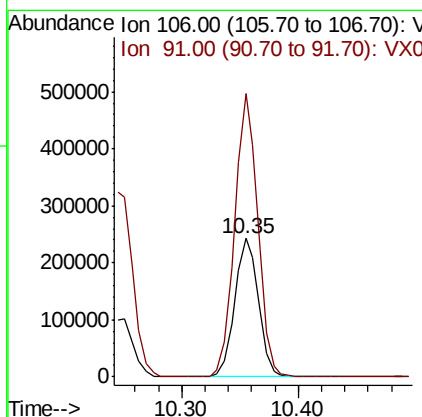
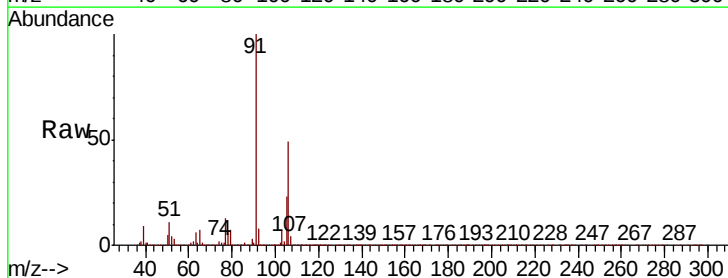
Instrument :
MSVOA_X
ClientSampled :
VX1212WBS02

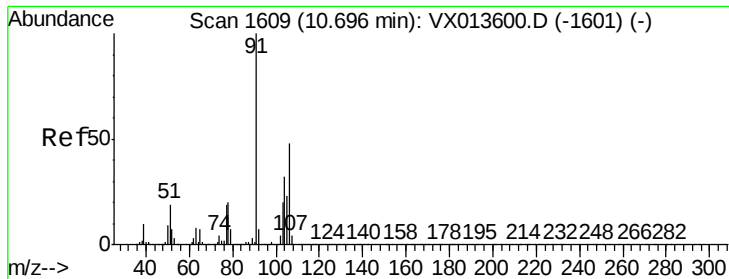
Tot Ion: 91 Resp: 453518
Ion Ratio Lower Upper
91 100
106 30.4 24.5 36.7



#68
m/p-Xylenes
Concen: 33.262 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 106 Resp: 343066
Ion Ratio Lower Upper
106 100
91 199.6 159.0 238.4

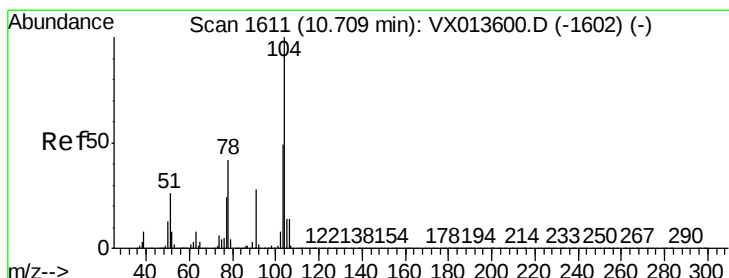
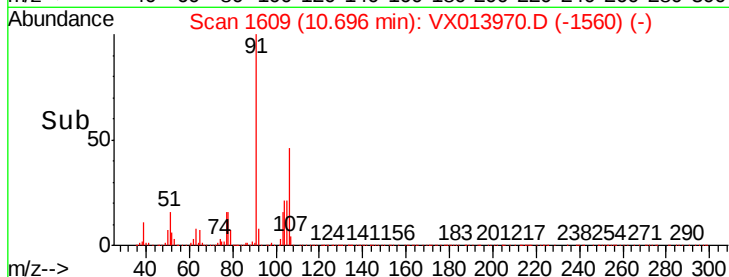
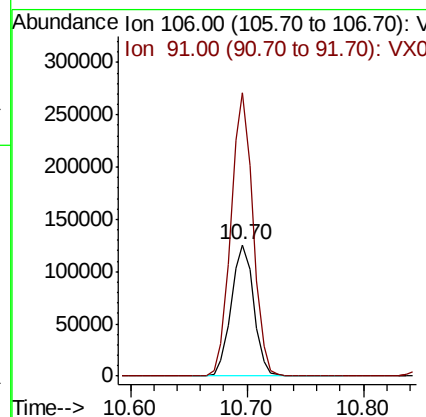
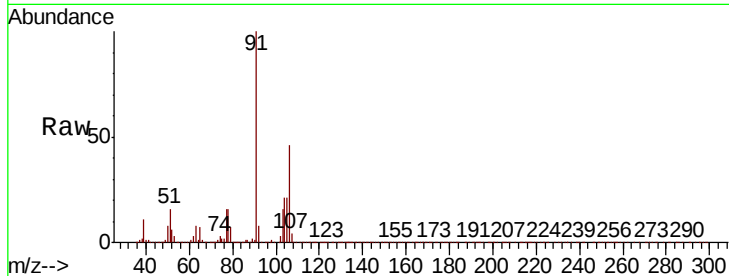




#69
o-Xylene
Concen: 16.809 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

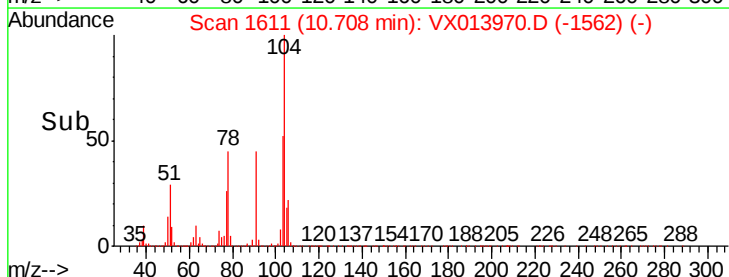
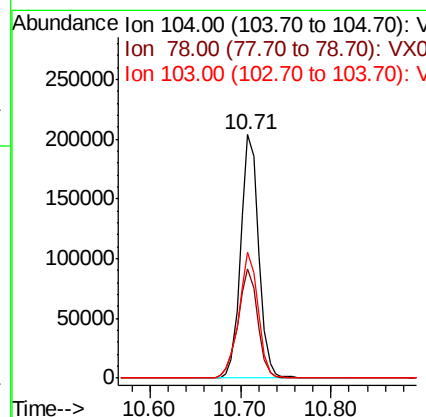
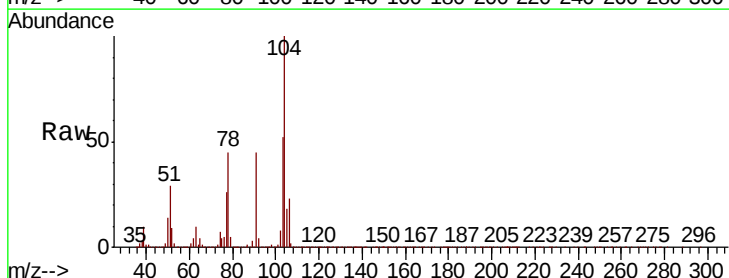
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

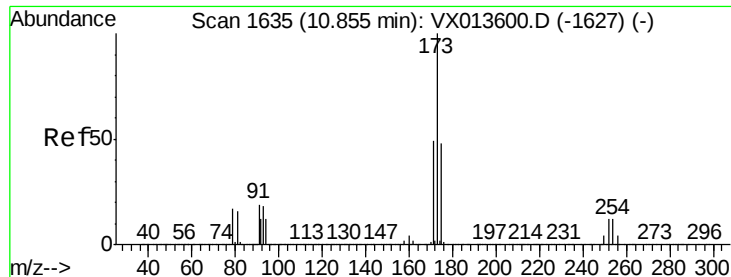
Tot Ion:106 Resp: 169088
Ion Ratio Lower Upper
106 100
91 210.4 104.1 312.2



#70
Styrene
Concen: 16.512 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion:104 Resp: 279407
Ion Ratio Lower Upper
104 100
78 49.4 38.5 57.7
103 55.3 43.7 65.5





#71

Bromoform

Concen: 13.971 ug/l

RT: 10.86 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

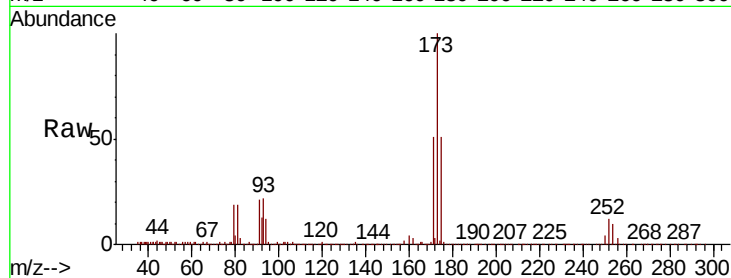
Tot Ion:173 Resp: 65078

Ion Ratio Lower Upper

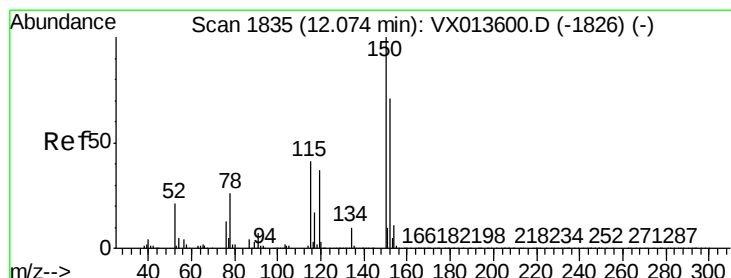
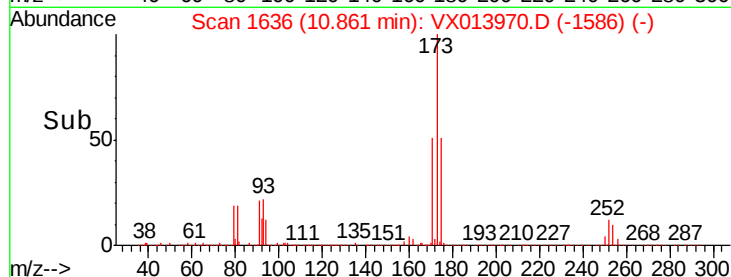
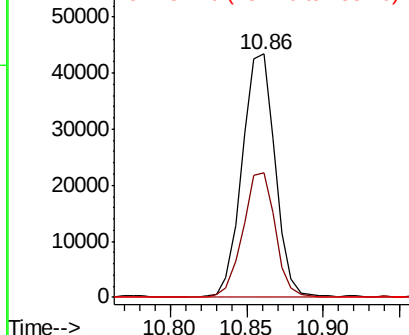
173 100

175 49.2 24.3 72.8

254 0.4 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

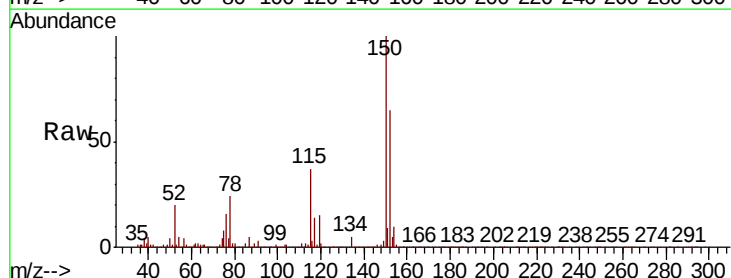
Tgt Ion:152 Resp: 385287

Ion Ratio Lower Upper

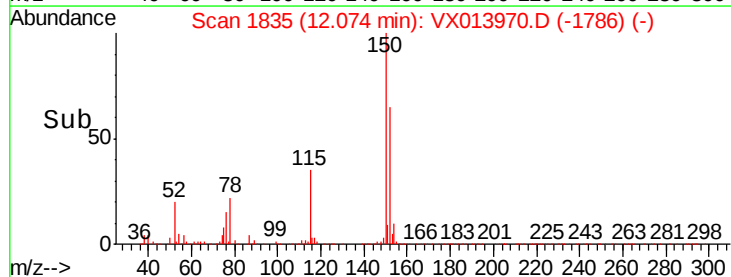
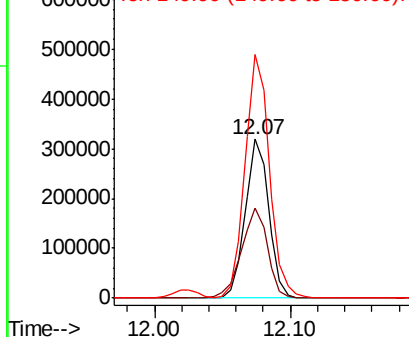
152 100

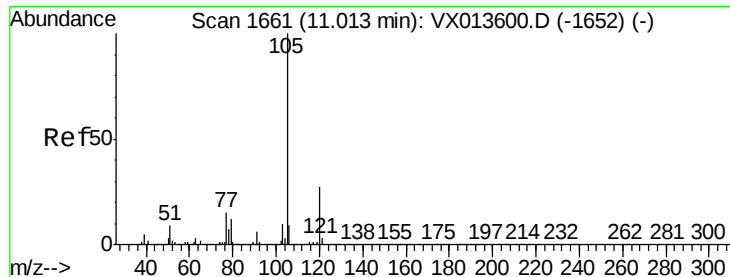
115 62.2 38.4 115.1

150 159.2 0.0 346.8



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





#73

Isopropylbenzene

Concen: 16.739 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

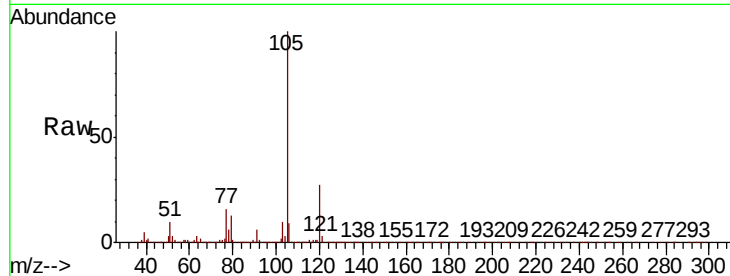
VX1212WBS02

Tot Ion:105 Resp: 452384

Ion Ratio Lower Upper

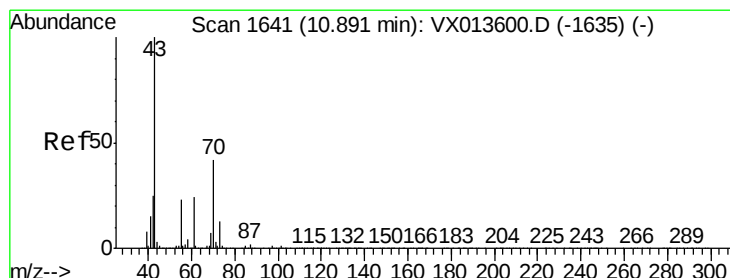
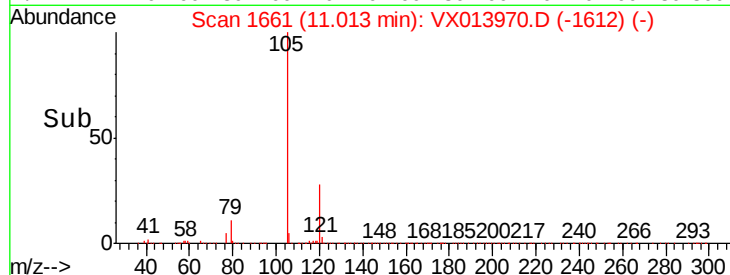
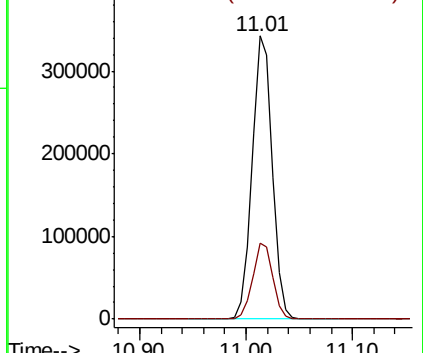
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.682 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion: 43 Resp: 194154

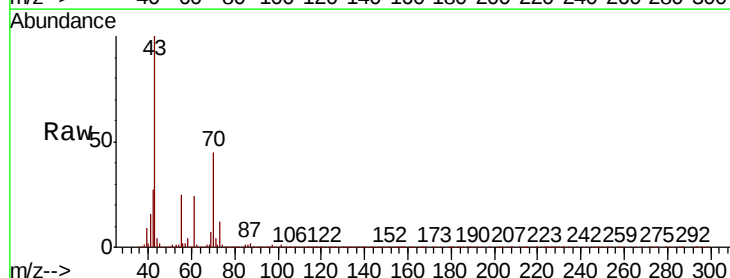
Ion Ratio Lower Upper

43 100

70 43.3 34.3 51.5

55 24.5 18.5 27.7

61 24.5 19.8 29.8

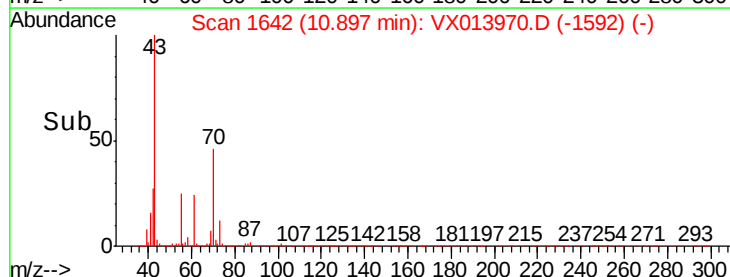
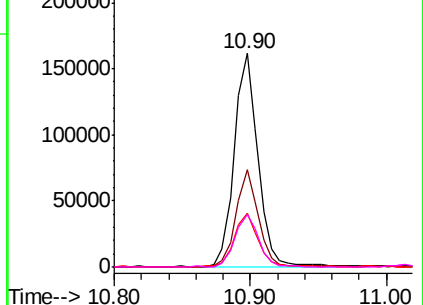


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.913 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

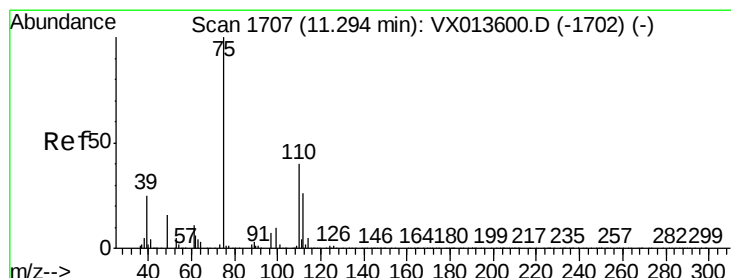
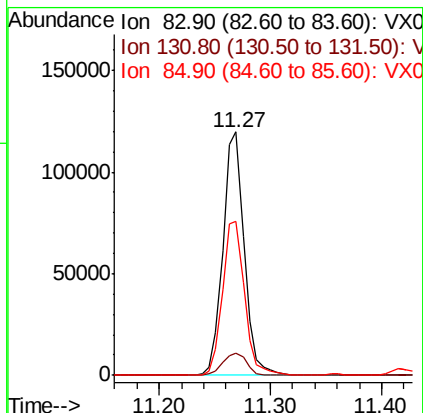
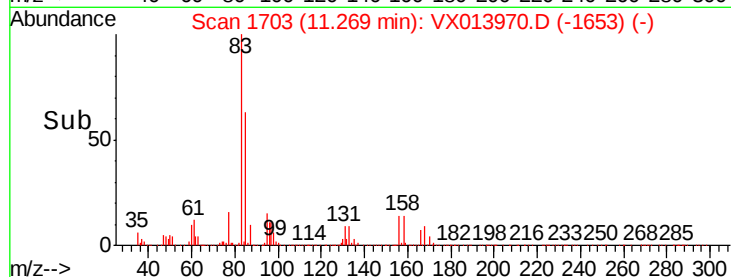
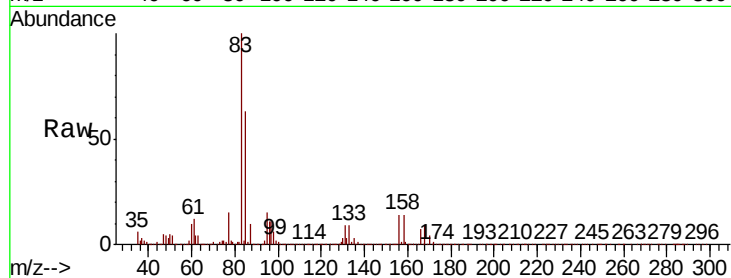
Tot Ion: 83 Resp: 158517

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 65.6 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 19.373 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013970.D

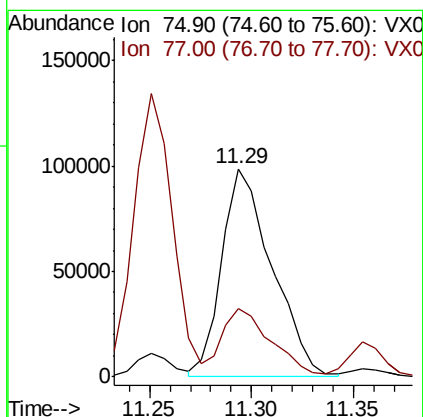
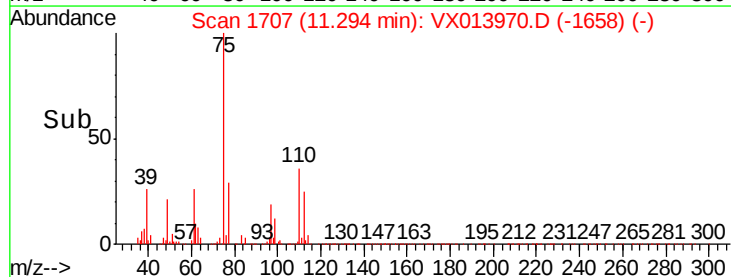
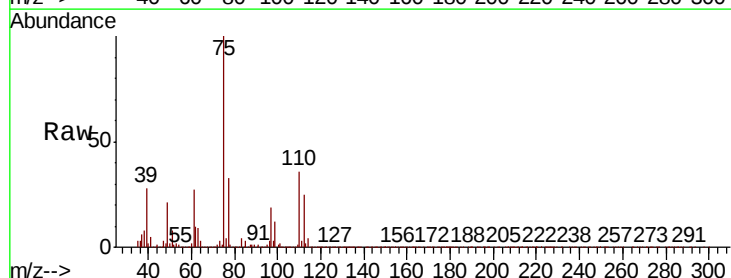
Acq: 12 Dec 2019 12:55

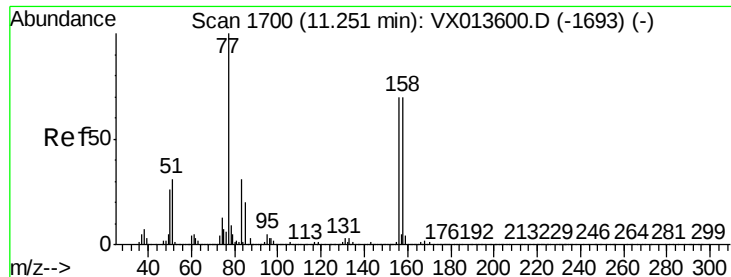
Tgt Ion: 75 Resp: 167879

Ion Ratio Lower Upper

75 100

77 32.3 19.1 57.5





#77

Bromobenzene

Concen: 15.905 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

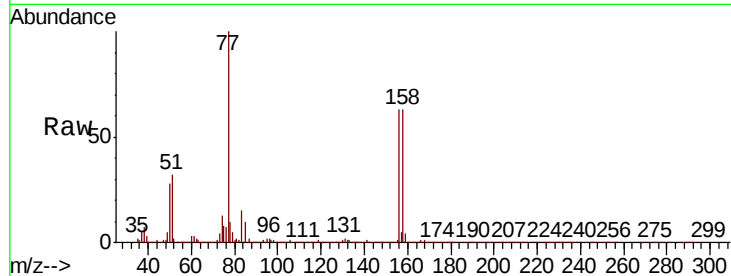
Tot Ion:156 Resp: 116127

Ion Ratio Lower Upper

156 100

77 153.0 74.4 223.1

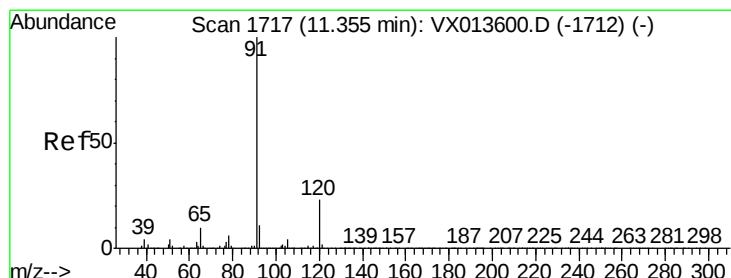
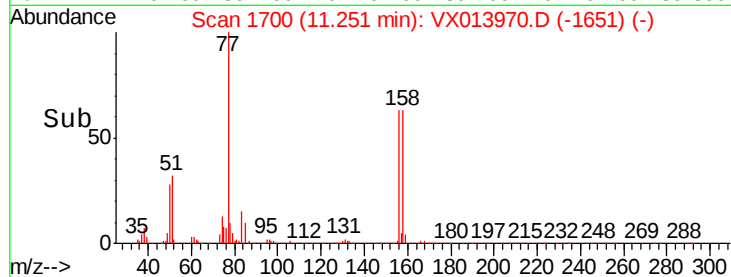
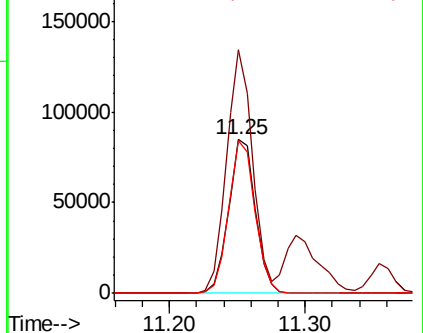
158 97.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.152 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013970.D

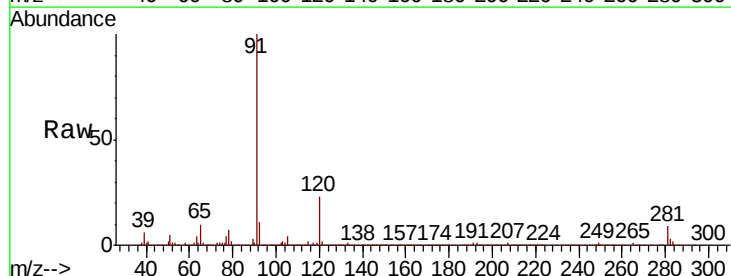
Acq: 12 Dec 2019 12:55

Tgt Ion: 91 Resp: 487296

Ion Ratio Lower Upper

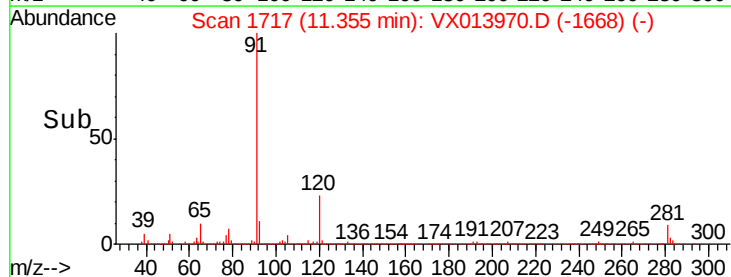
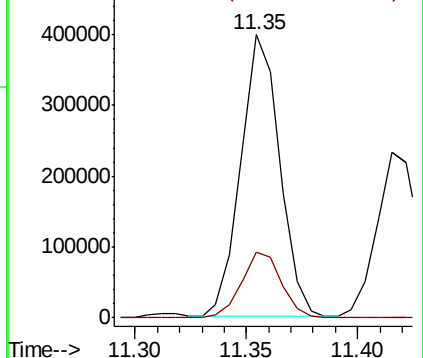
91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

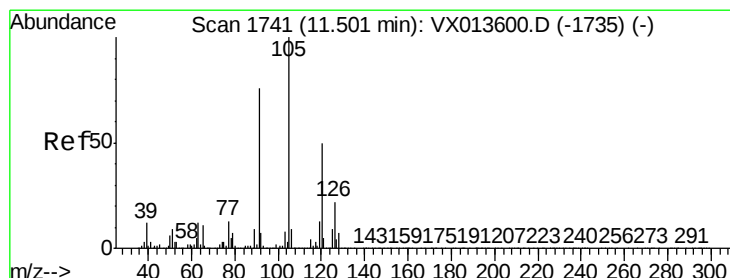
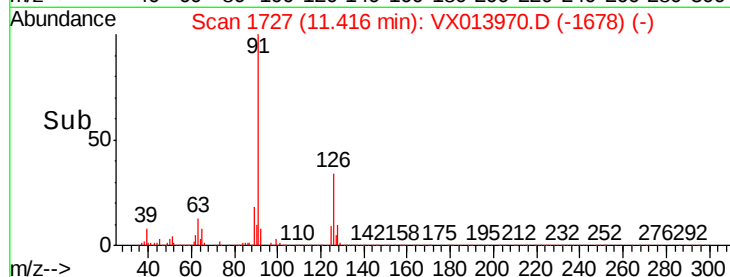
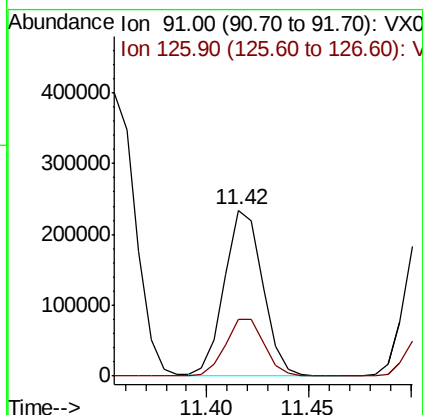
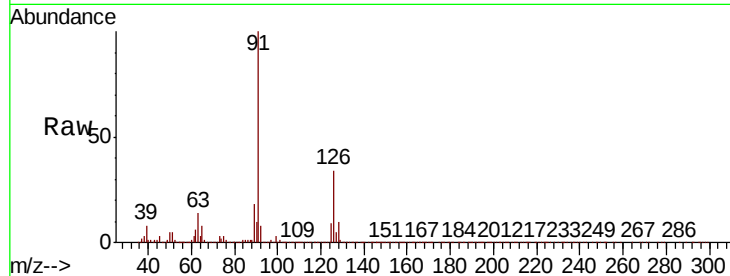




#79
2-Chlorotoluene
Concen: 16.756 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

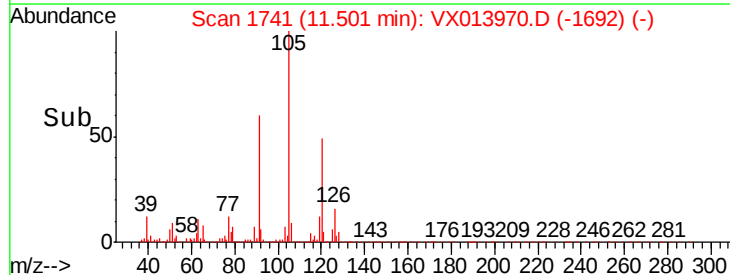
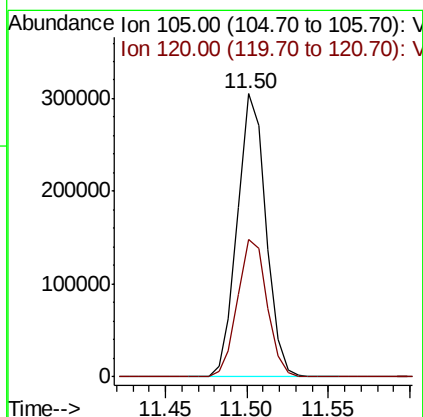
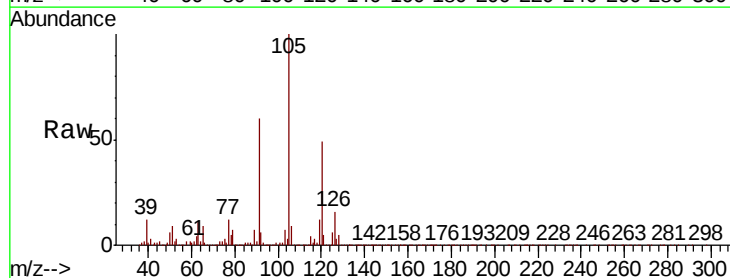
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

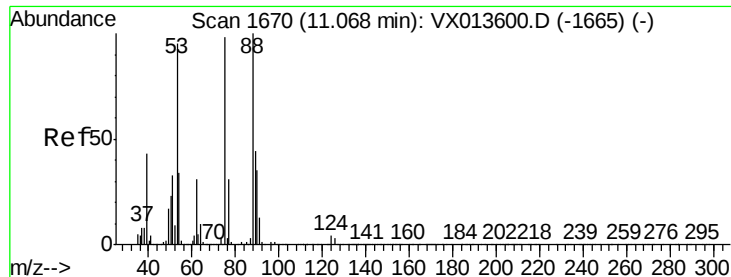
Tot Ion: 91 Resp: 303257
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.5



#80
1,3,5-Trimethylbenzene
Concen: 16.829 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 105 Resp: 372764
Ion Ratio Lower Upper
105 100
120 50.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 12.771 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

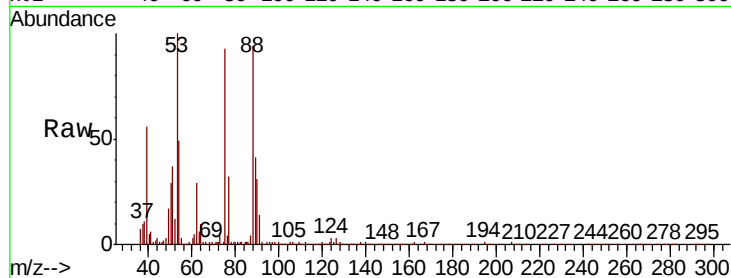
Tot Ion: 75 Resp: 40451

Ion Ratio Lower Upper

75 100

53 114.5 78.2 117.2

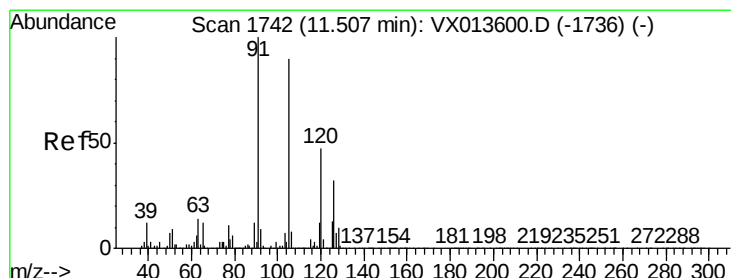
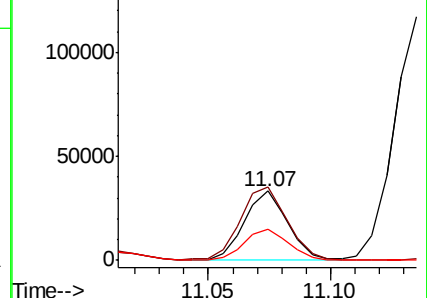
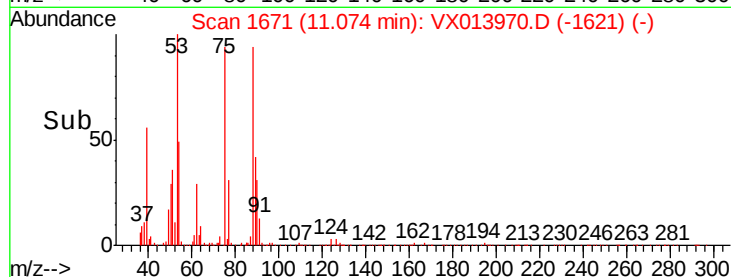
89 47.9 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 16.071 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013970.D

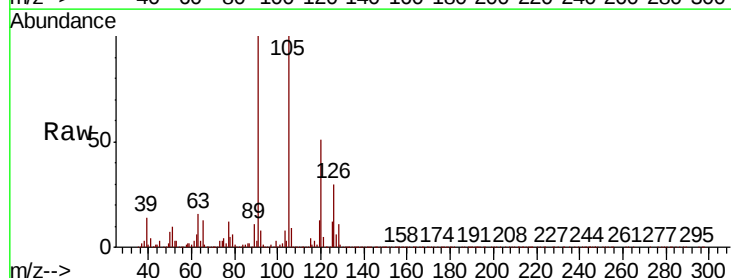
Acq: 12 Dec 2019 12:55

Tgt Ion: 91 Resp: 336865

Ion Ratio Lower Upper

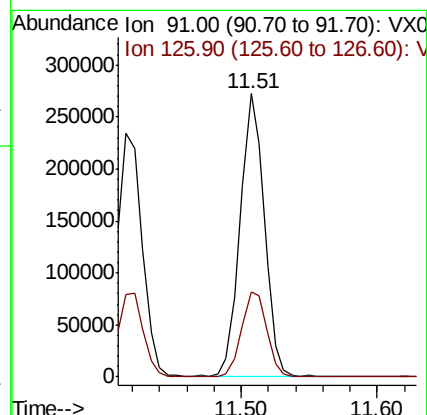
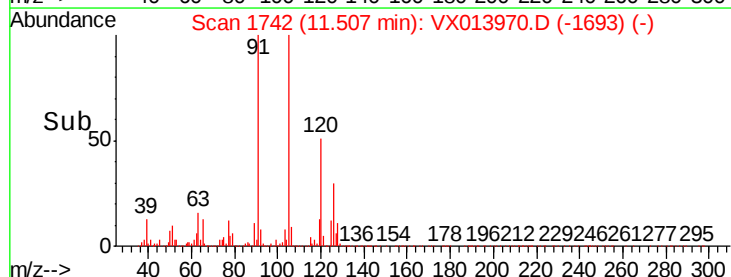
91 100

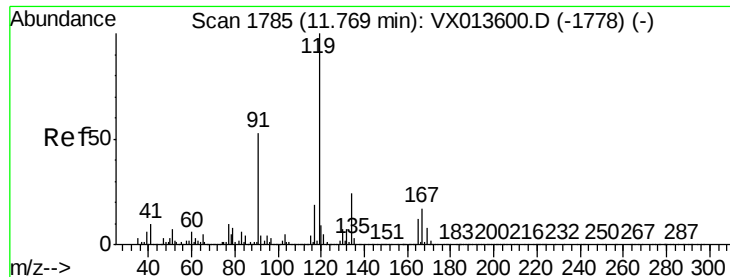
126 31.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 16.790 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

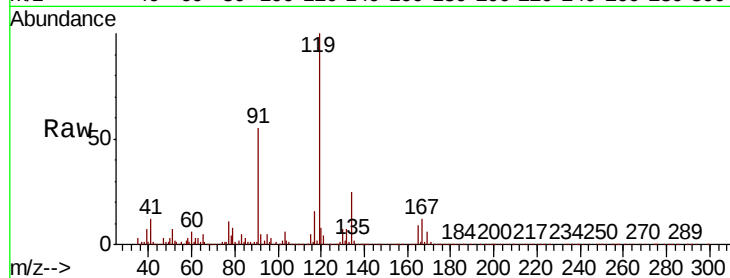
Tot Ion:119 Resp: 377975

Ion Ratio Lower Upper

119 100

91 55.0 27.2 81.6

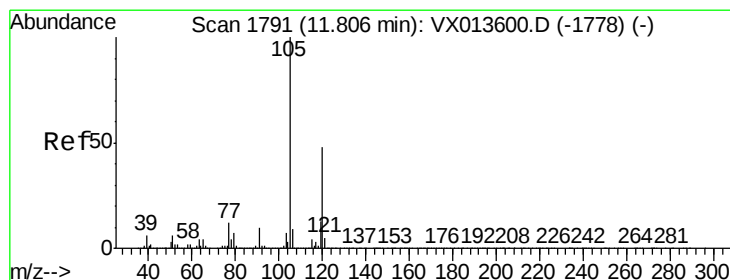
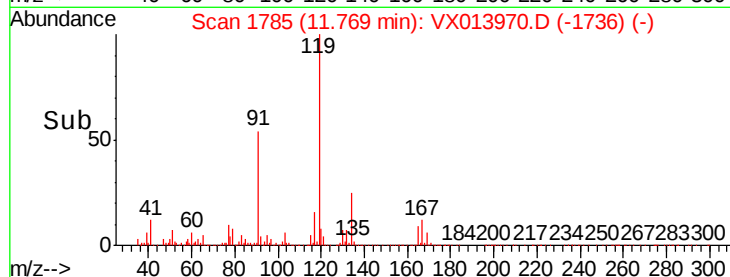
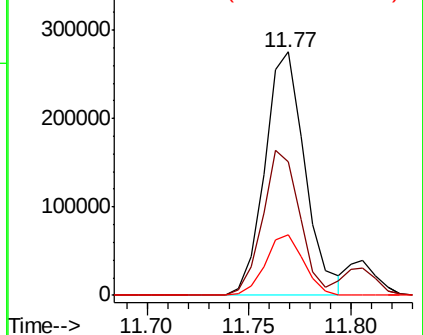
134 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.787 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013970.D

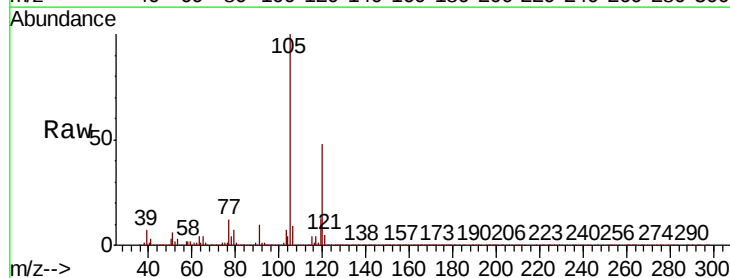
Acq: 12 Dec 2019 12:55

Tgt Ion:105 Resp: 377385

Ion Ratio Lower Upper

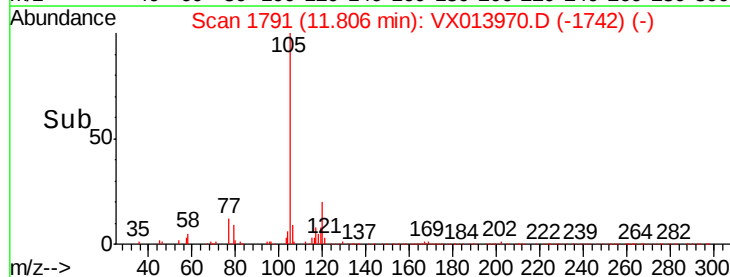
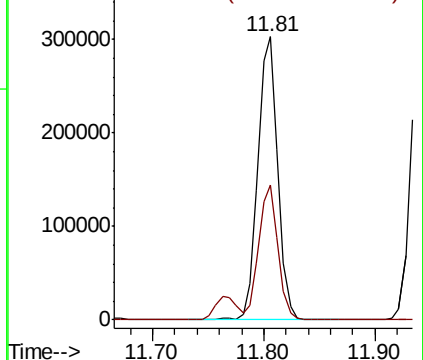
105 100

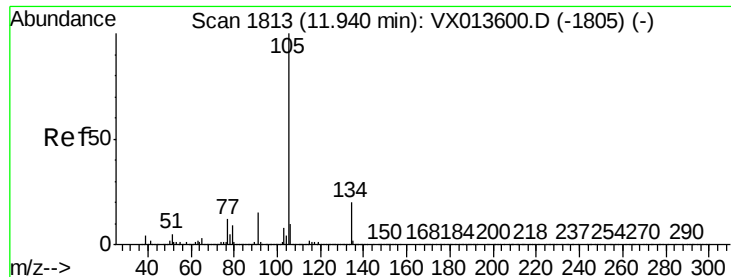
120 45.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

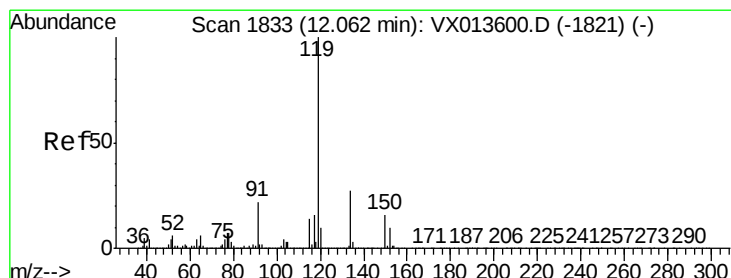
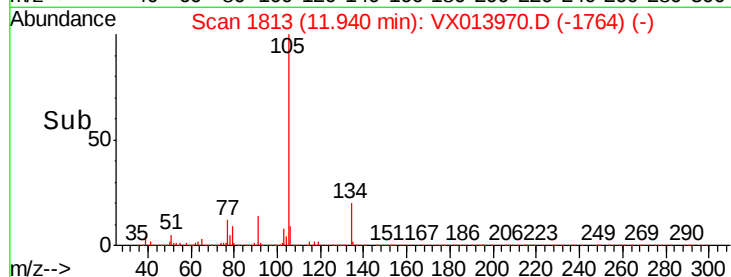
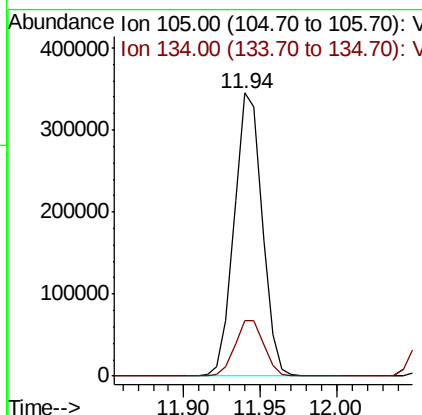
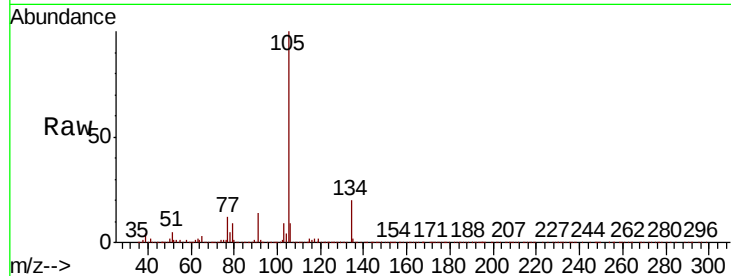




#85
 sec-Butylbenzene
 Concen: 16.998 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

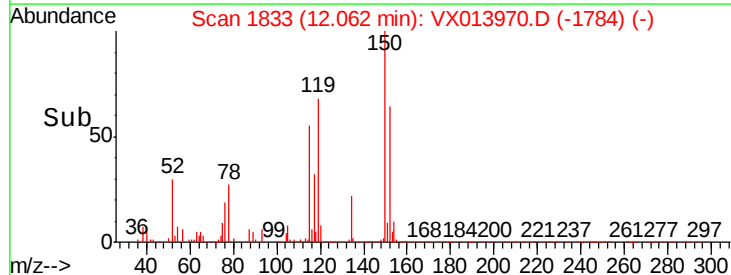
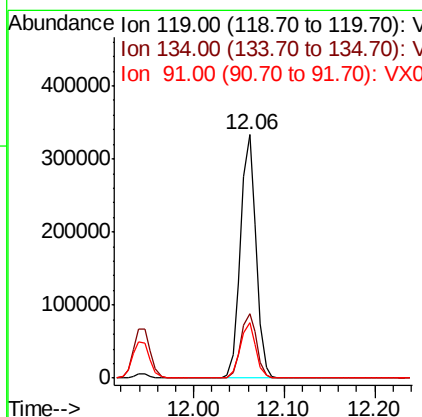
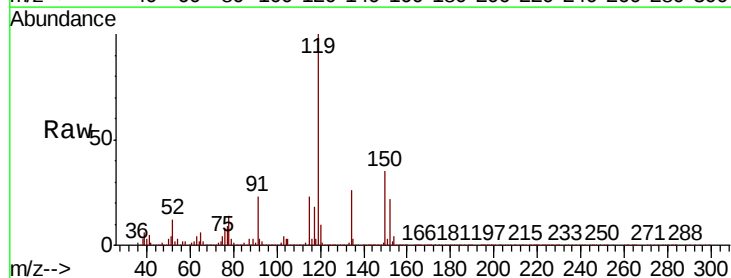
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

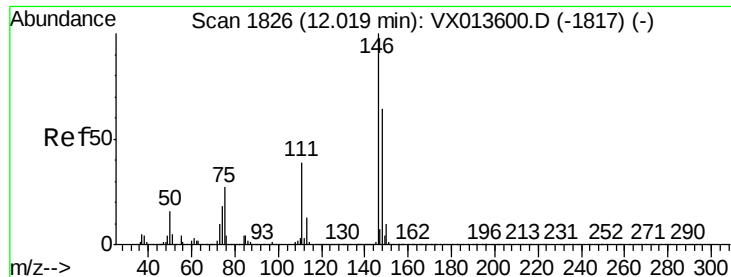
Tot Ion:105 Resp: 437068
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 16.581 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion:119 Resp: 396629
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 22.5 11.3 33.8

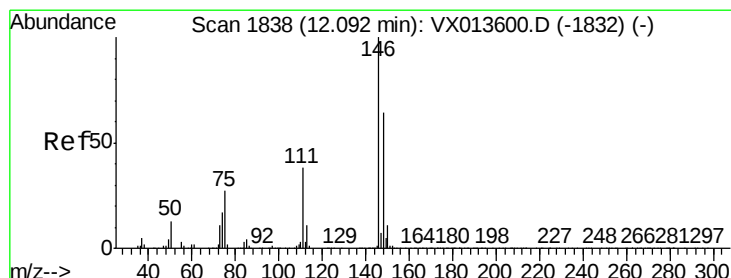
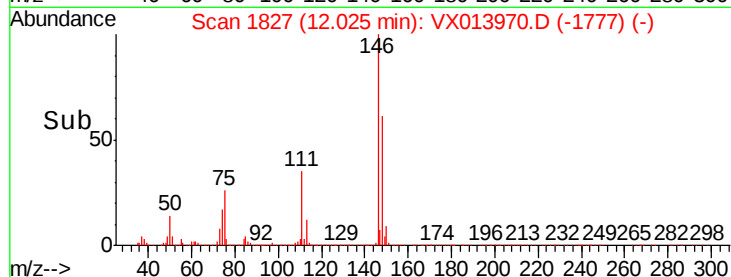
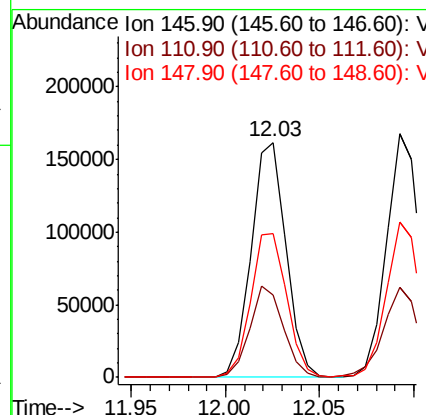
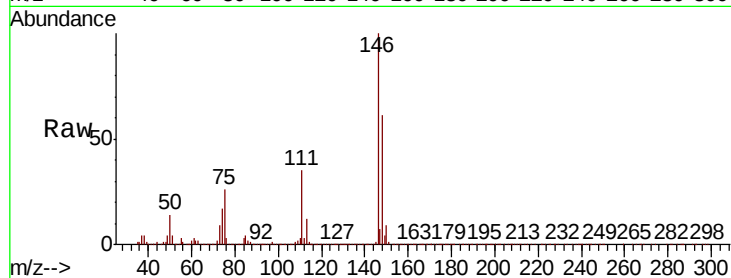




#87
 1,3-Dichlorobenzene
 Concen: 16.289 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

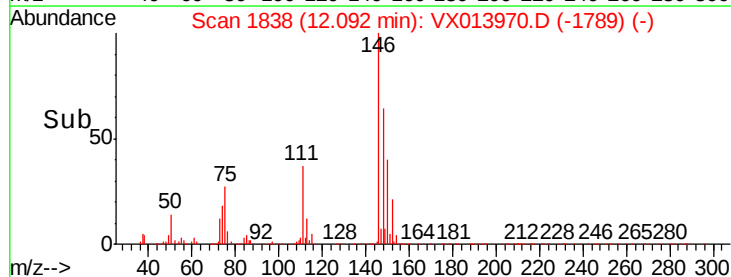
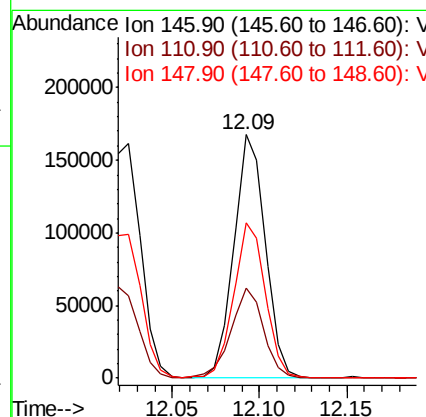
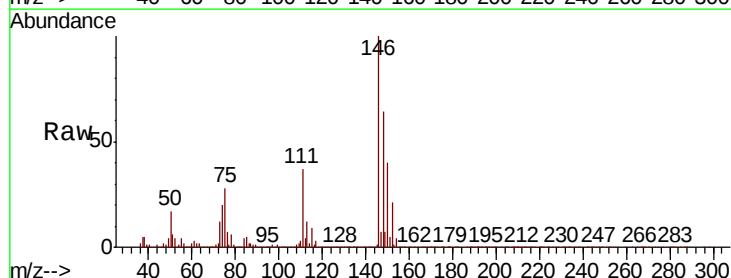
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

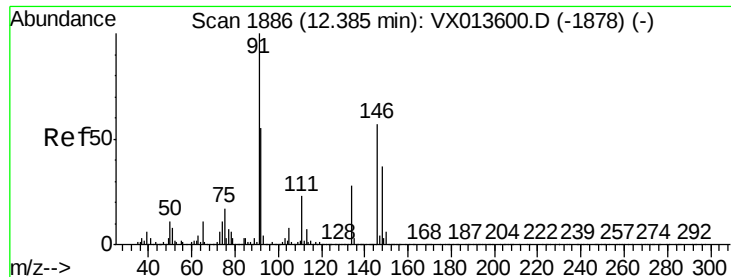
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	63.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 16.155 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.2	31.9	95.5

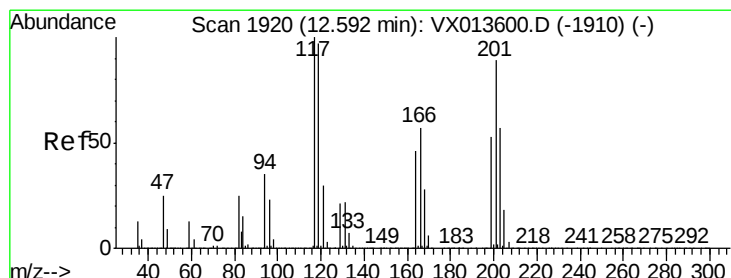
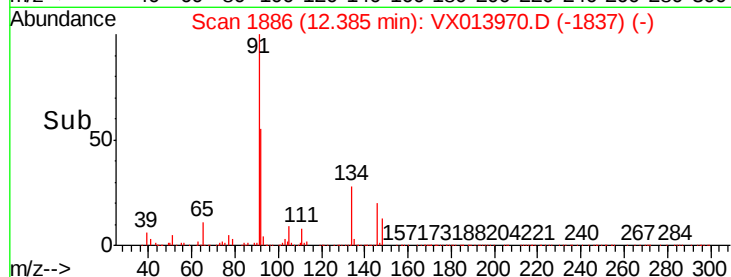
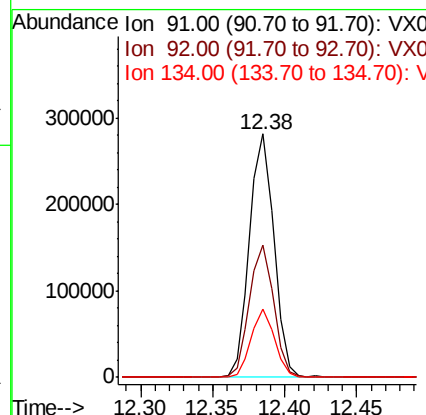
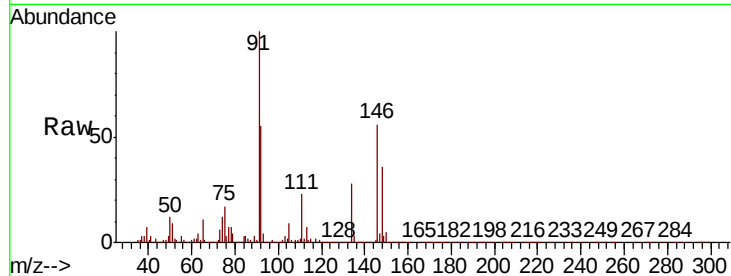




#89
n-Butylbenzene
Concen: 16.288 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

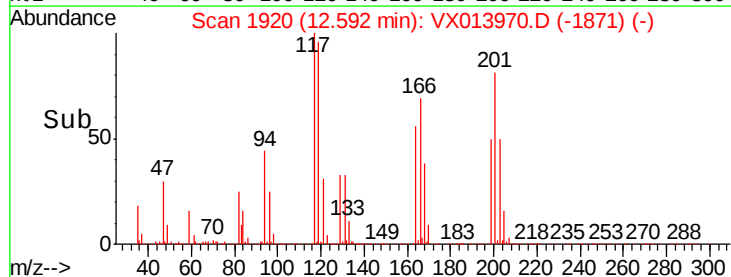
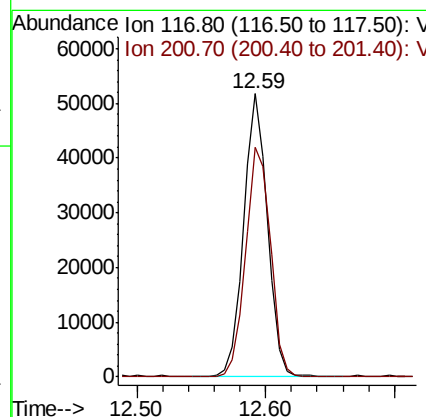
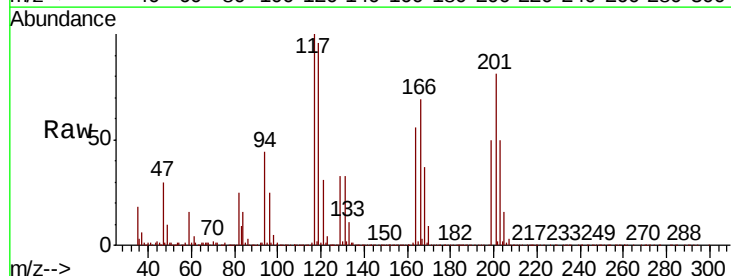
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

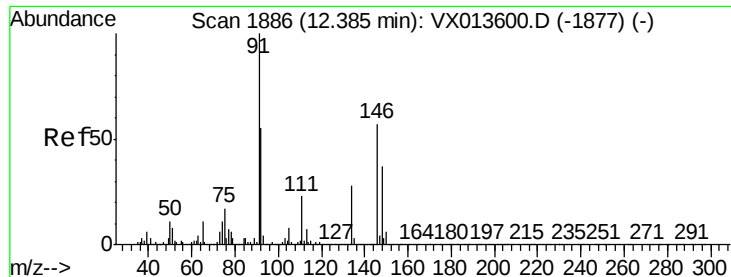
Tot Ion: 91 Resp: 332314
Ion Ratio Lower Upper
91 100
92 54.0 27.4 82.2
134 26.9 13.5 40.4



#90
Hexachloroethane
Concen: 15.220 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013970.D
Acq: 12 Dec 2019 12:55

Tgt Ion: 117 Resp: 65809
Ion Ratio Lower Upper
117 100
201 85.2 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 16.860 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

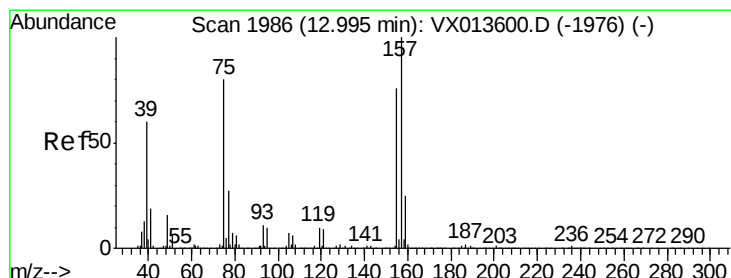
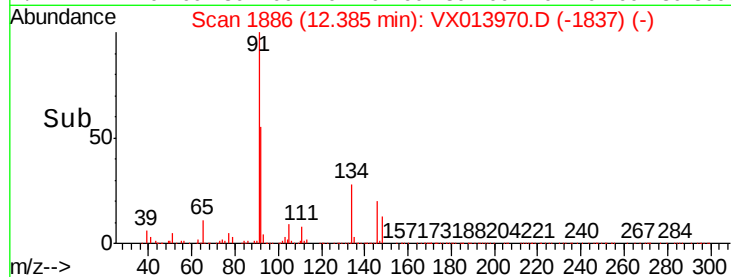
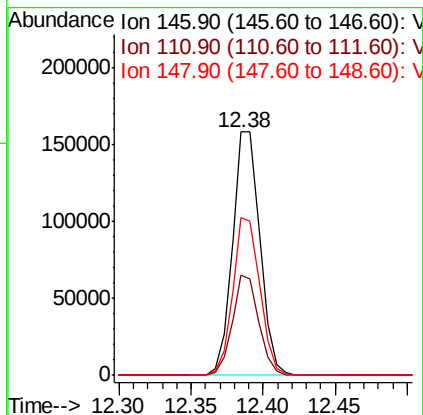
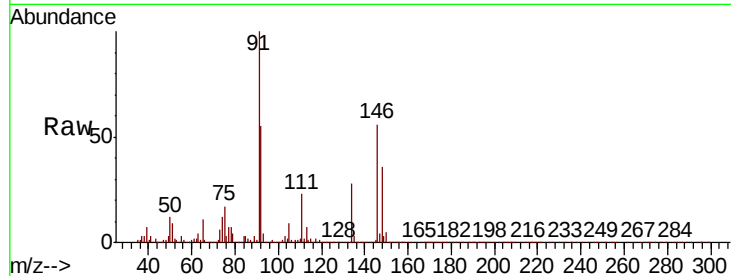
Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:	146	Resp:	212017
Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.0	31.9	95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.923 ug/l

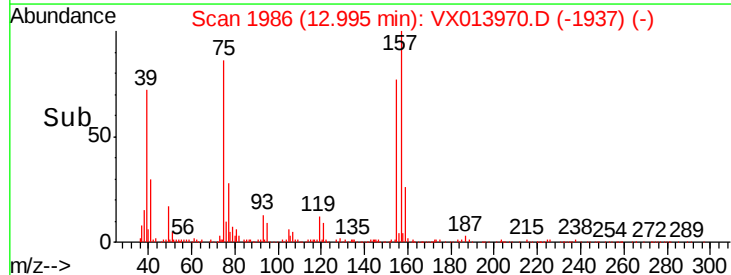
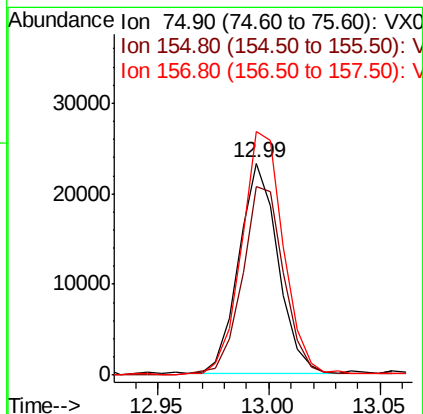
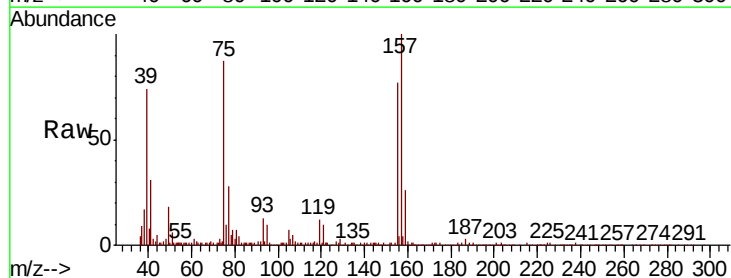
RT: 12.99 min Scan# 1986

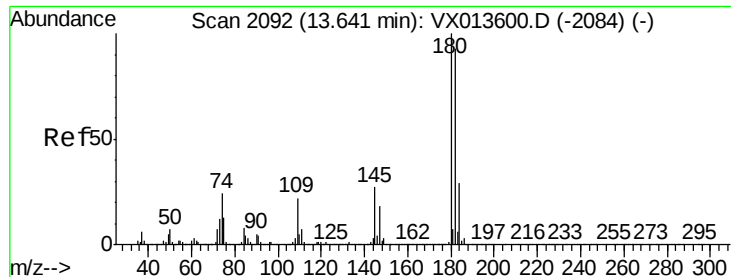
Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Tgt Ion:	75	Resp:	28417
Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.6	142.8
157	125.8	62.1	186.2

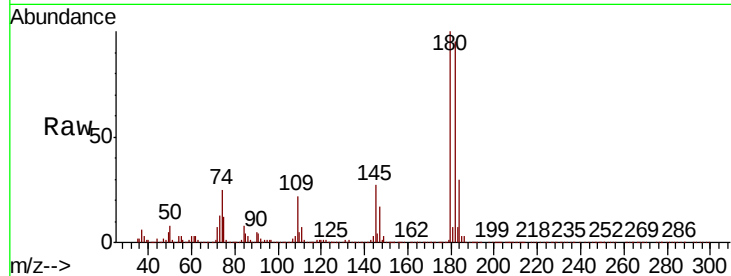




#93
 1,2,4-Trichlorobenzene
 Concen: 15.642 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.2	141.6
145	27.9	13.8	41.4

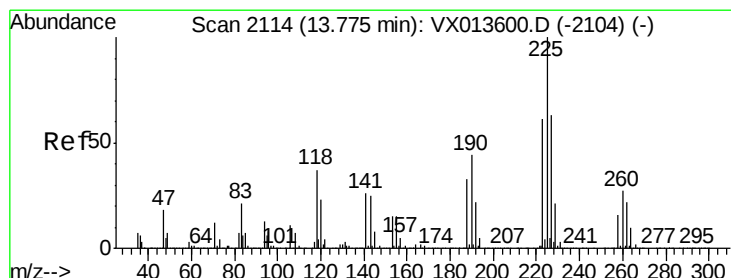
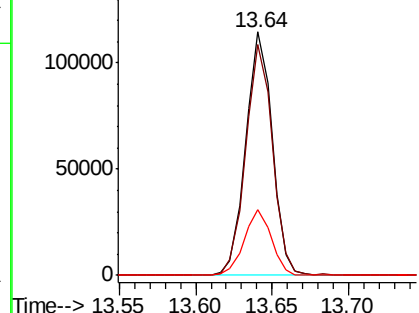
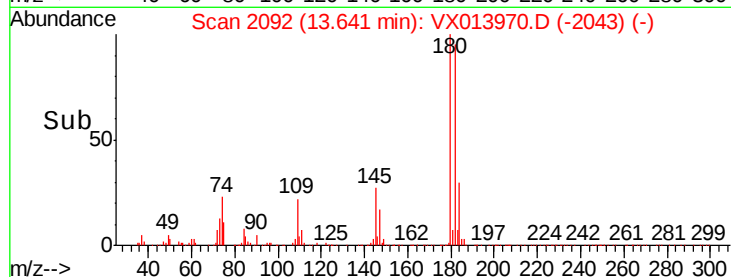


Abundance

Ion 179.80 (179.50 to 180.50): V

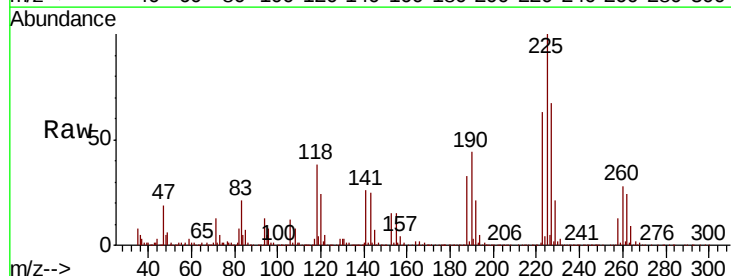
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 16.548 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013970.D
 Acq: 12 Dec 2019 12:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.5
227	65.9	32.1	96.3

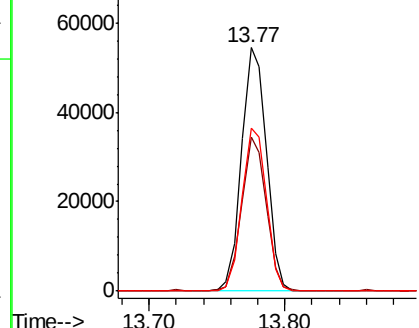
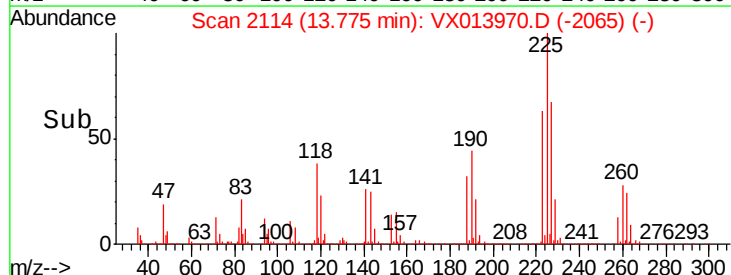


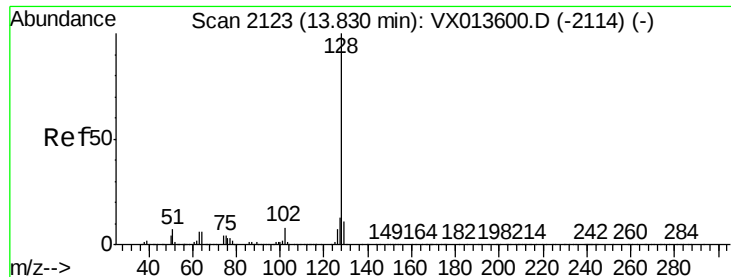
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.033 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

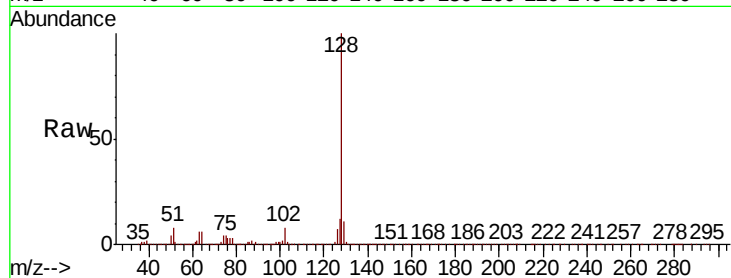
Tot Ion:128 Resp: 392362

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

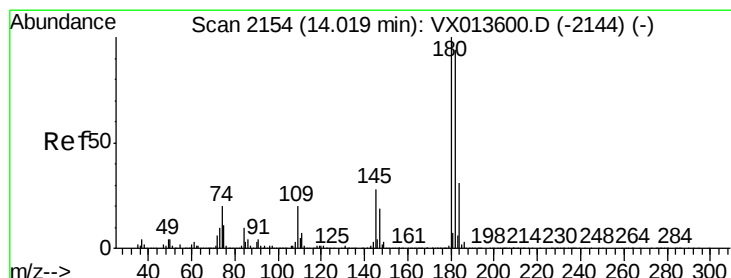
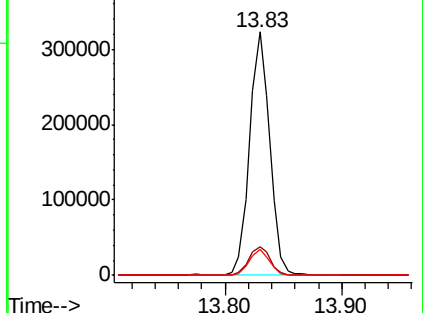
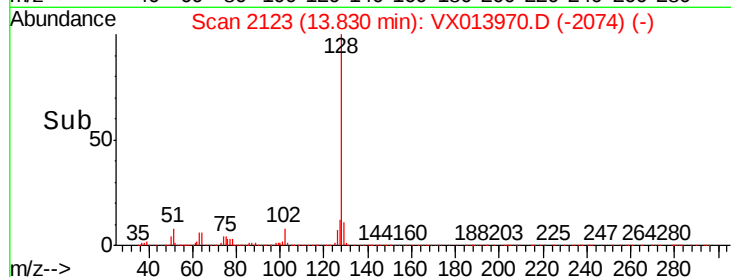
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.730 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013970.D

Acq: 12 Dec 2019 12:55

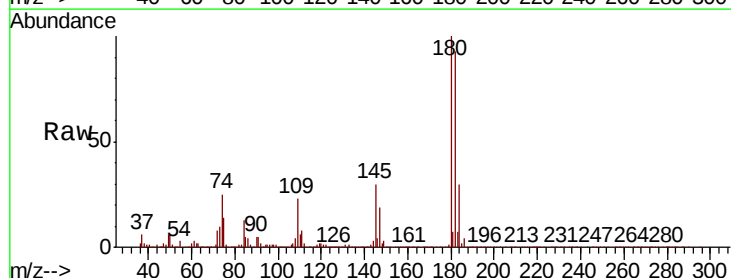
Tgt Ion:180 Resp: 136497

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.8

145 30.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

