

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013401.D
 Acq On : 13 Nov 2019 12:35
 Operator : JC/SP
 Sample : VX1113WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

Quant Time: Nov 14 04:33:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	898497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1344812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1215820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	608730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	403244	37.88	ug/l	0.00
Spiked Amount			Recovery	=	75.76%	
35) Dibromofluoromethane	5.48	113	334826	39.70	ug/l	0.00
Spiked Amount			Recovery	=	79.40%	
50) Toluene-d8	8.71	98	1279973	40.25	ug/l	0.00
Spiked Amount			Recovery	=	80.50%	
62) 4-Bromofluorobenzene	11.13	95	452461	39.43	ug/l	0.00
Spiked Amount			Recovery	=	78.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	169942	16.416	ug/l	98
3) Chloromethane	1.31	50	189377	16.869	ug/l	100
4) Vinyl Chloride	1.40	62	213031	16.668	ug/l	97
5) Bromomethane	1.62	94	129276	14.514	ug/l	98
6) Chloroethane	1.72	64	117214	15.215	ug/l	100
7) Trichlorofluoromethane	1.92	101	237406	15.722	ug/l	99
8) Diethyl Ether	2.17	74	103870	15.555	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	149745	17.792	ug/l	99
10) Methyl Iodide	2.50	142	173239	16.626	ug/l	97
11) Tert butyl alcohol	3.02	59	204465	72.878	ug/l	98
12) 1,1-Dichloroethene	2.36	96	144469	17.529	ug/l	99
13) Acrolein	2.28	56	151014	99.316	ug/l	99
14) Allyl chloride	2.72	41	258756	17.279	ug/l	97
15) Acrylonitrile	3.12	53	432587	82.544	ug/l	98
16) Acetone	2.42	43	401960	75.708	ug/l	99
17) Carbon Disulfide	2.56	76	369888	16.768	ug/l	99
18) Methyl Acetate	2.75	43	247095	16.857	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	492673	17.923	ug/l	96
20) Methylene Chloride	2.84	84	166500	16.973	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	154383	17.204	ug/l	96
22) Diisopropyl ether	3.84	45	530403	18.346	ug/l	99
23) Vinyl Acetate	3.80	43	2150644	86.934	ug/l	100
24) 1,1-Dichloroethane	3.68	63	280806	17.363	ug/l	99
25) 2-Butanone	4.65	43	621410	79.782	ug/l	99
26) 2,2-Dichloropropane	4.56	77	234966	18.263	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	179766	17.883	ug/l	98
28) Bromochloromethane	4.99	49	87549	19.065	ug/l	99
29) Tetrahydrofuran	5.11	42	386787	80.583	ug/l	99
30) Chloroform	5.19	83	281747	17.642	ug/l	99
31) Cyclohexane	5.56	56	255501	17.557	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	235235	17.116	ug/l	98
36) 1,1-Dichloropropene	5.78	75	208773	18.096	ug/l	99
37) Ethyl Acetate	4.81	43	227159	15.935	ug/l	99
38) Carbon Tetrachloride	5.77	117	198064	17.556	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	263913	18.359	ug/l	99
40) Benzene	6.13	78	647585	18.020	ug/l	99
41) Methacrylonitrile	5.02	41	126530	15.835	ug/l	95
42) 1,2-Dichloroethane	6.17	62	226796	17.496	ug/l	99
43) Isopropyl Acetate	6.42	43	380696	17.150	ug/l	99
44) Trichloroethene	7.20	130	175171	17.708	ug/l	99
45) 1,2-Dichloropropane	7.50	63	169699	18.533	ug/l	100
46) Dibromomethane	7.65	93	107699	17.227	ug/l	97
47) Bromodichloromethane	7.89	83	218634	18.545	ug/l	95
48) Methyl methacrylate	7.76	41	190413	17.184	ug/l	98
49) 1,4-Dioxane	7.73	88	82175	323.820	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1203297	82.620	ug/l	99
52) Toluene	8.78	92	406509	18.251	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	234704	18.206	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	264405	18.336	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	168590	18.261	ug/l	98
56) Ethyl methacrylate	9.17	69	260466	17.572	ug/l	97
57) 1,3-Dichloropropane	9.36	76	280330	17.888	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	680684	107.832	ug/l	100
59) 2-Hexanone	9.48	43	930010	82.632	ug/l	98
60) Dibromochloromethane	9.57	129	172871	18.309	ug/l	98
61) 1,2-Dibromoethane	9.67	107	172899	17.637	ug/l	99
64) Tetrachloroethene	9.33	164	158693	18.233	ug/l	98
65) Chlorobenzene	10.13	112	438124	17.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	161271	17.844	ug/l	100
67) Ethyl Benzene	10.25	91	771267	18.155	ug/l	99
68) m/p-Xylenes	10.35	106	586498	36.504	ug/l	99
69) o-Xylene	10.69	106	285645	18.160	ug/l	100
70) Styrene	10.70	104	483835	18.401	ug/l	99
71) Bromoform	10.85	173	129738	17.693	ug/l #	97
73) Isopropylbenzene	11.01	105	767172	19.008	ug/l	100
74) N-amyl acetate	10.89	43	334209	17.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	260701	17.706	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	290400	23.487	ug/l	81
77) Bromobenzene	11.25	156	197796	18.384	ug/l	98
78) n-propylbenzene	11.35	91	870198	19.356	ug/l	100
79) 2-Chlorotoluene	11.42	91	511637	18.888	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	640884	19.064	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	79512	16.553	ug/l	97
82) 4-Chlorotoluene	11.51	91	591611	18.658	ug/l	99
83) tert-Butylbenzene	11.76	119	640454	18.925	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	644024	19.097	ug/l	99
85) sec-Butylbenzene	11.94	105	746573	19.196	ug/l	100
86) p-Isopropyltoluene	12.06	119	691239	19.301	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	352266	18.368	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	355252	18.181	ug/l	99
89) n-Butylbenzene	12.39	91	583736	18.680	ug/l	100
90) Hexachloroethane	12.59	117	121021	18.966	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	349998	18.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	51943	14.480	ug/l	97

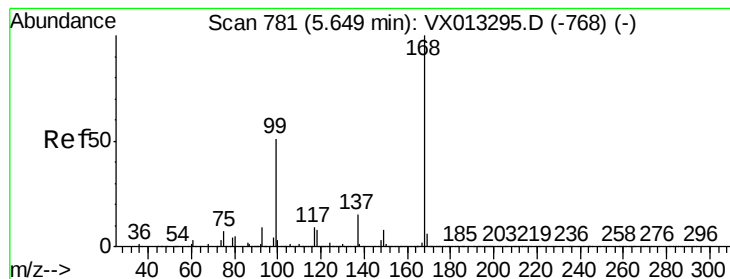
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	241645	18.070	ug/l	99
94) Hexachlorobutadiene	13.78	225	117192	17.913	ug/l	99
95) Naphthalene	13.83	128	716684	17.082	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	234774	17.506	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: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

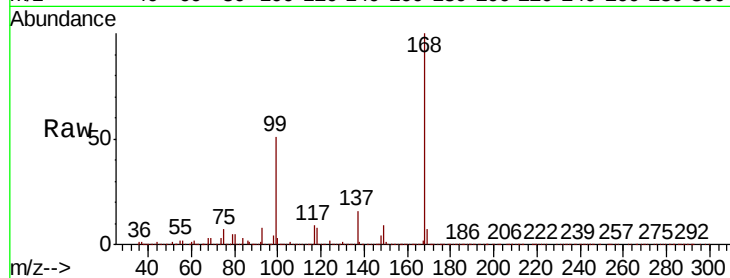
VX1113WBS02

Tot Ion:168 Resp: 898497

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

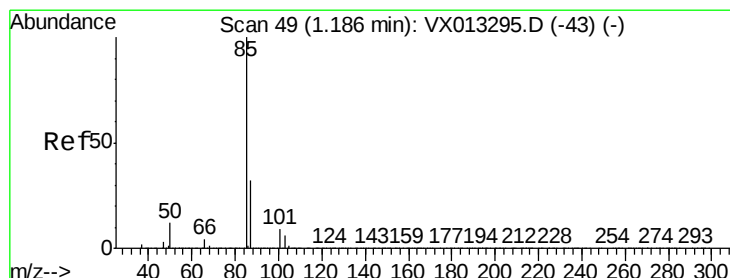
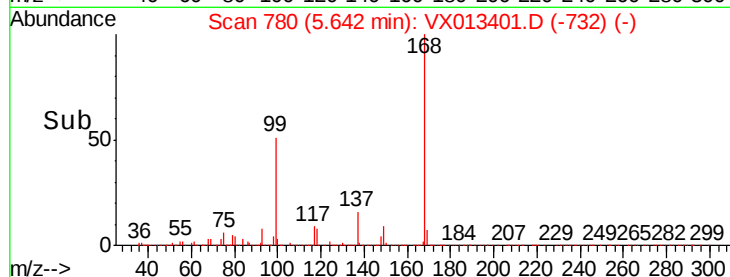
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.416 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013401.D

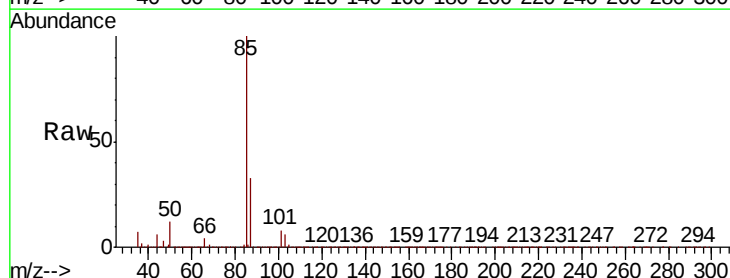
Acq: 13 Nov 2019 12:35

Tgt Ion: 85 Resp: 169942

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

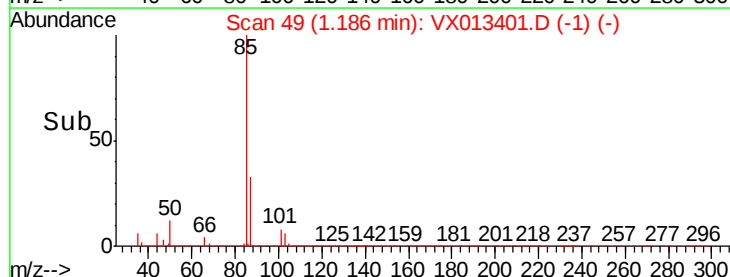
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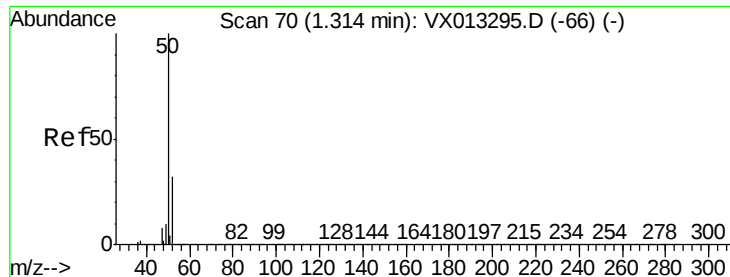
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50000

0

Time-->





#3

Chloromethane

Concen: 16.869 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

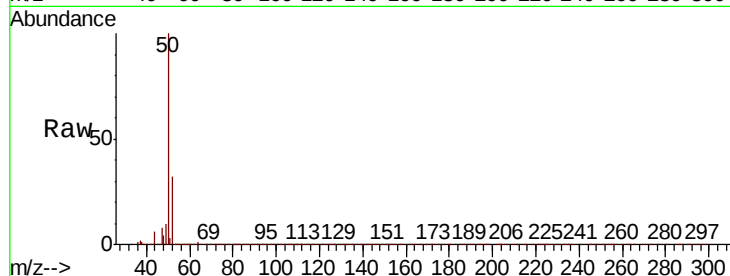
VX1113WBS02

Tot Ion: 50 Resp: 189377

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

200000

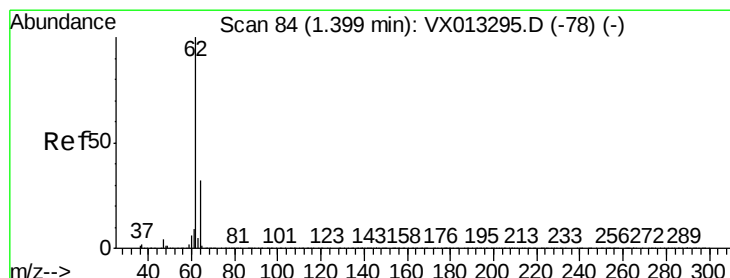
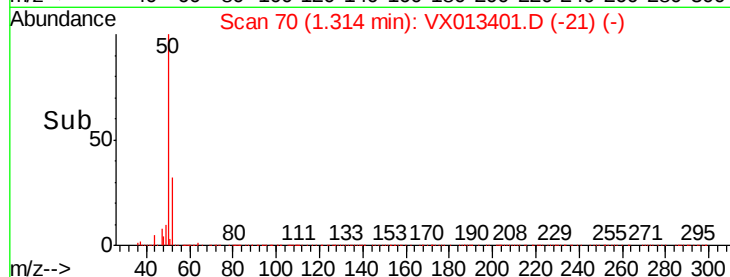
150000

100000

50000

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Time-->



#4

Vinyl Chloride

Concen: 16.668 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013401.D

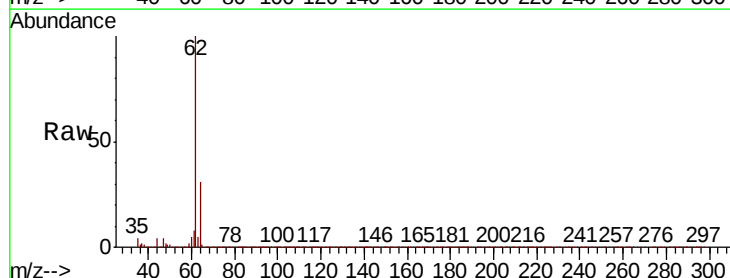
Acq: 13 Nov 2019 12:35

Tgt Ion: 62 Resp: 213031

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

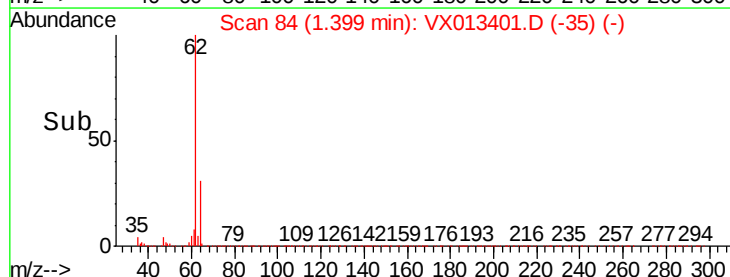
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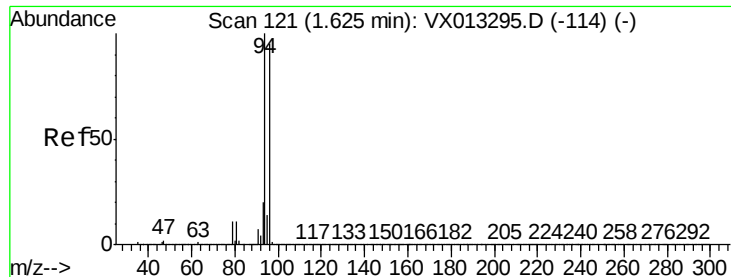
100000

50000

0

Time-->





#5

Bromomethane

Concen: 14.514 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

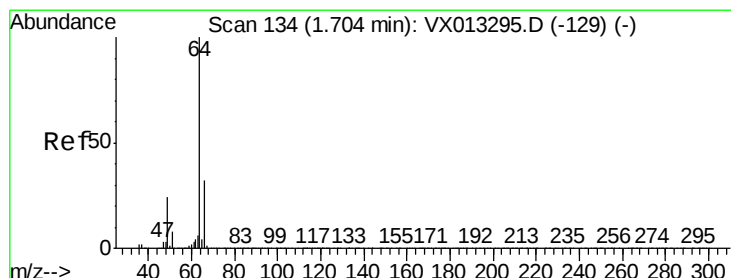
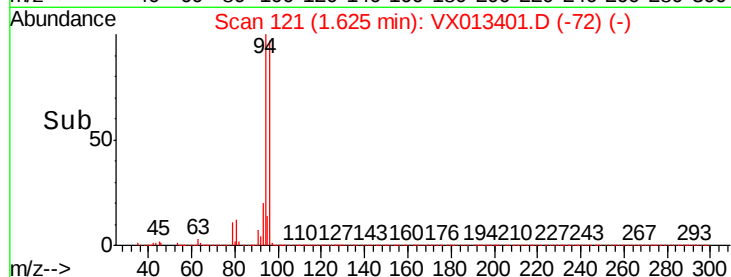
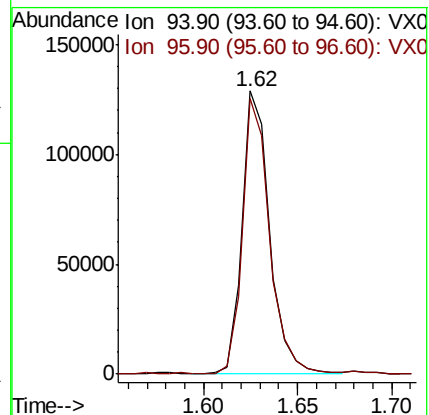
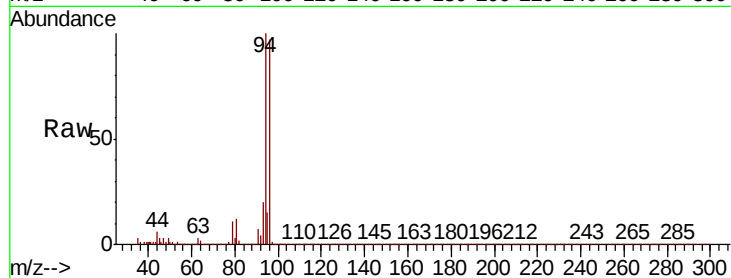
VX1113WBS02

Tot Ion: 94 Resp: 129276

Ion Ratio Lower Upper

94 100

96 97.1 75.8 113.8



#6

Chloroethane

Concen: 15.215 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013401.D

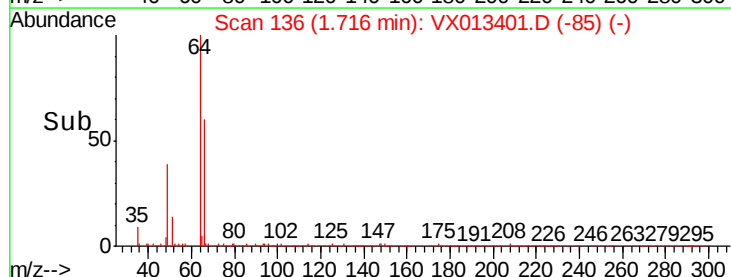
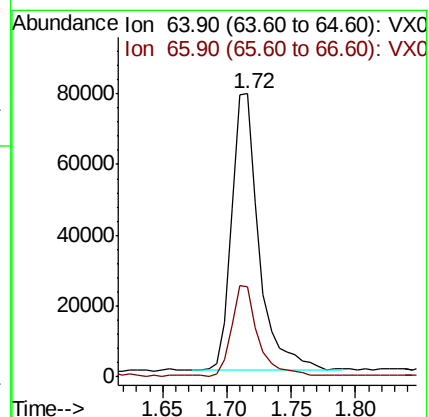
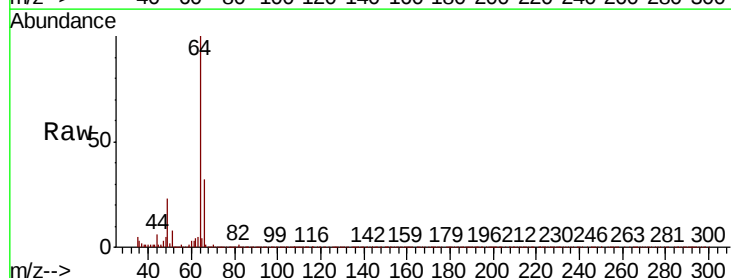
Acq: 13 Nov 2019 12:35

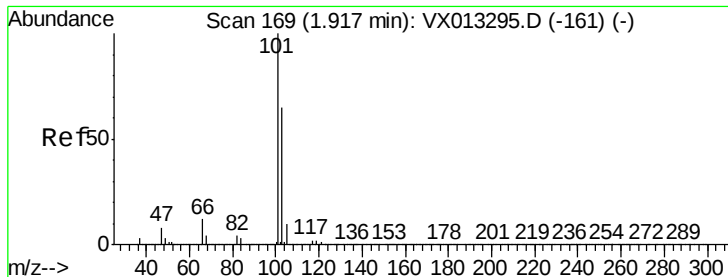
Tgt Ion: 64 Resp: 117214

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



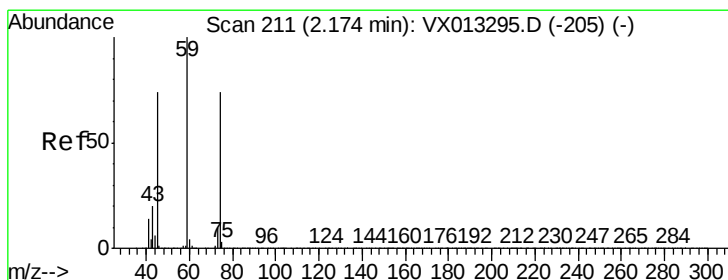
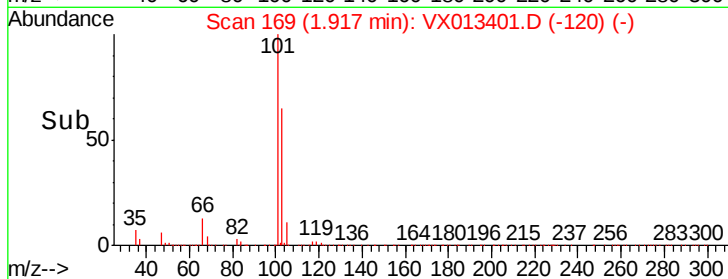
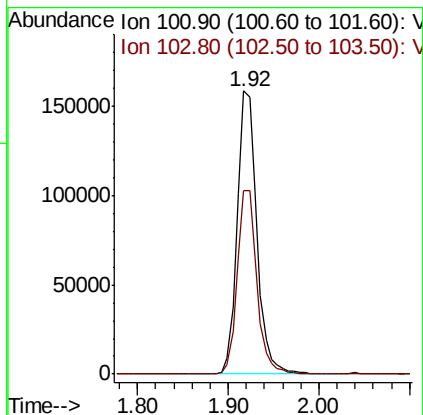
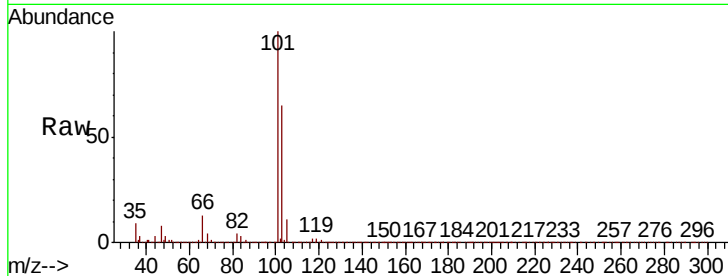


#7

Trichlorofluoromethane
Concen: 15.722 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

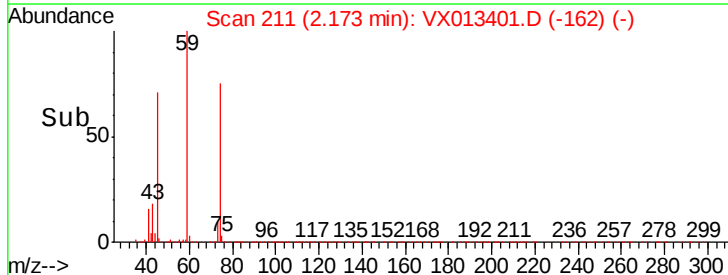
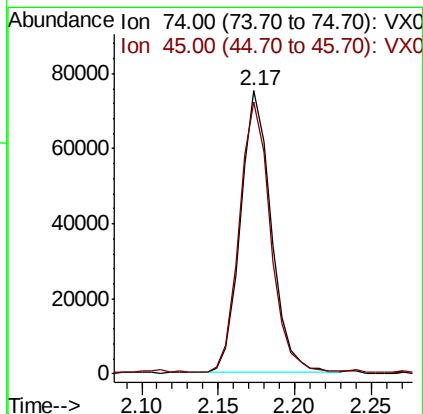
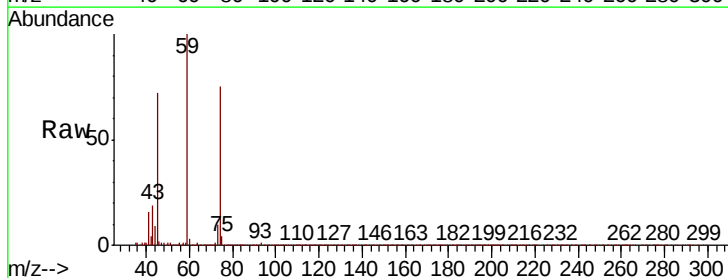
Tot Ion:101 Resp: 237406
Ion Ratio Lower Upper
101 100
103 65.0 52.3 78.5

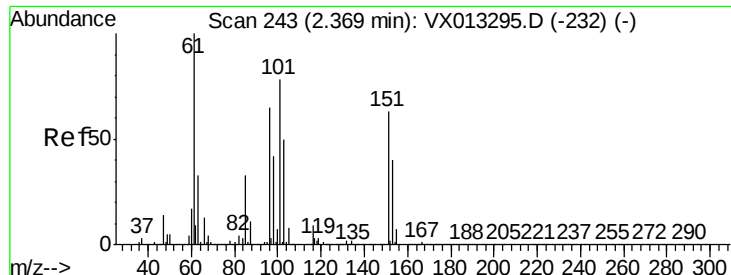


#8

Diethyl Ether
Concen: 15.555 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 74 Resp: 103870
Ion Ratio Lower Upper
74 100
45 98.4 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.792 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

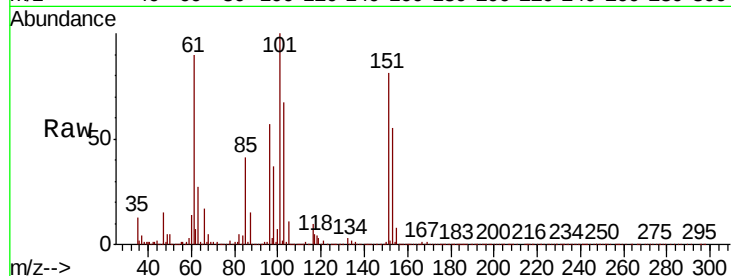
Tot Ion:101 Resp: 149745

Ion Ratio Lower Upper

101 100

85 41.9 34.4 51.6

151 82.1 66.4 99.6

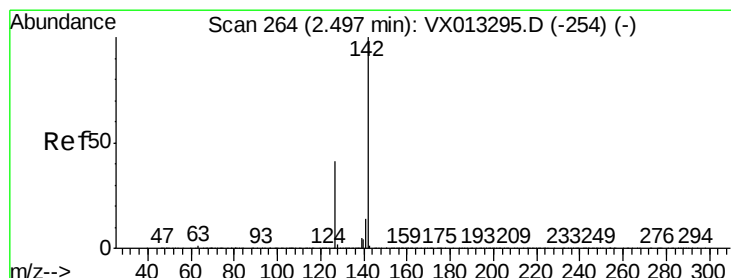
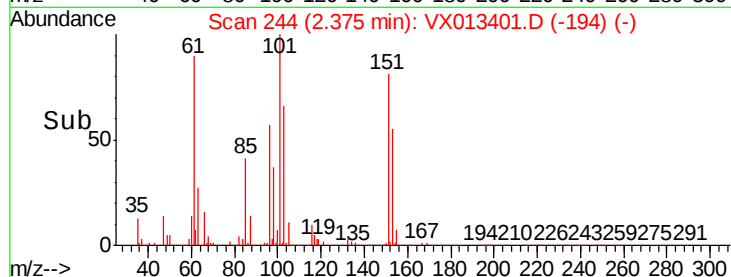
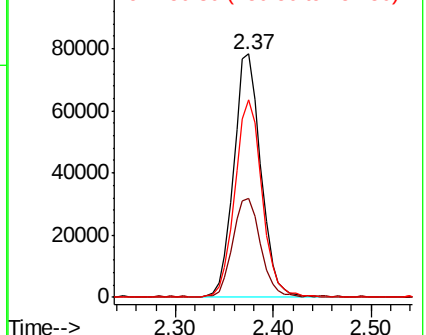


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.626 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

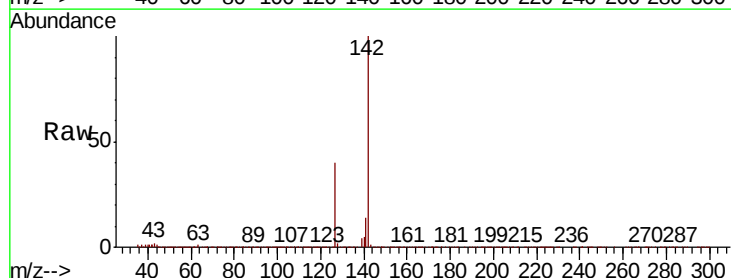
Tgt Ion:142 Resp: 173239

Ion Ratio Lower Upper

142 100

127 38.7 32.6 49.0

141 14.7 11.6 17.4

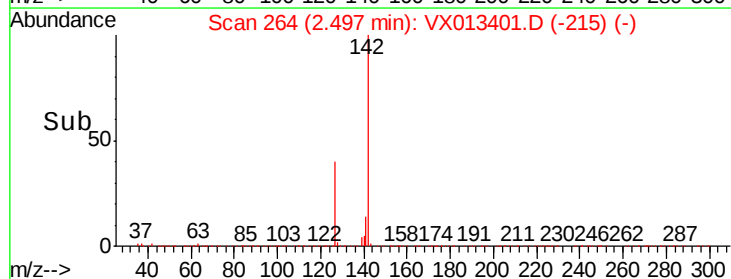
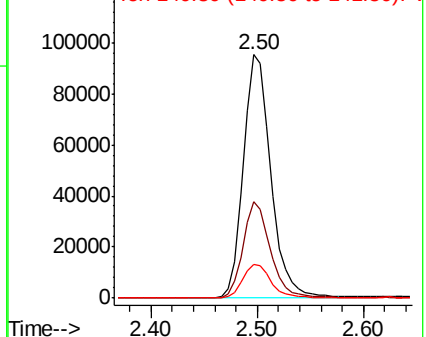


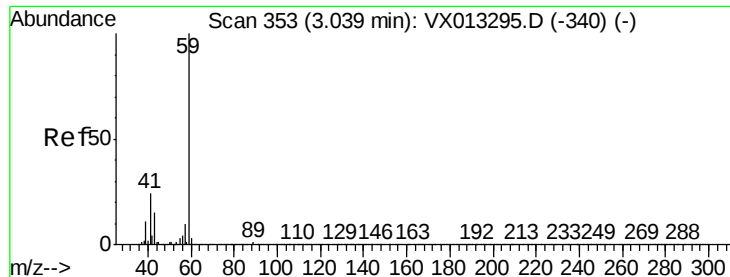
Abundance

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



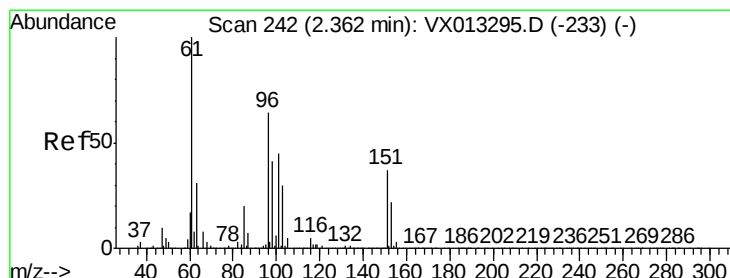
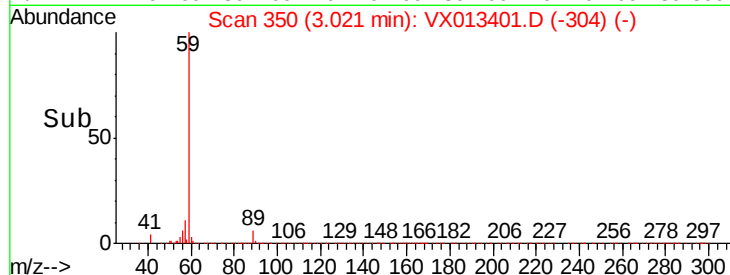
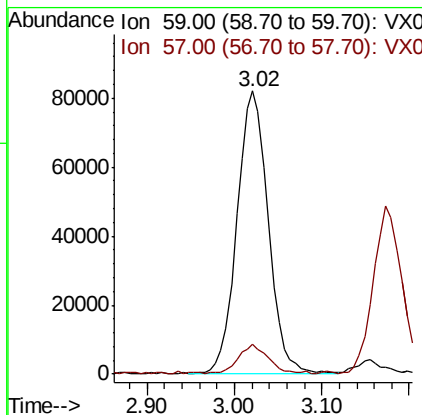
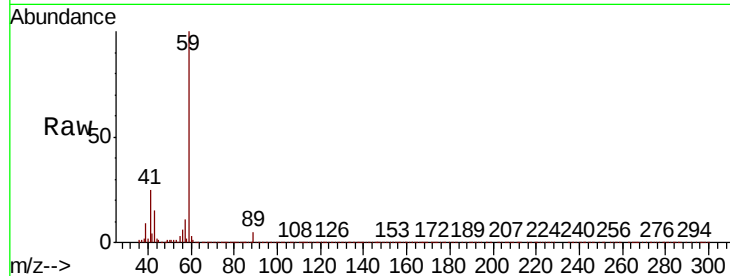


#11

Tert butyl alcohol
 Concen: 72.878 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

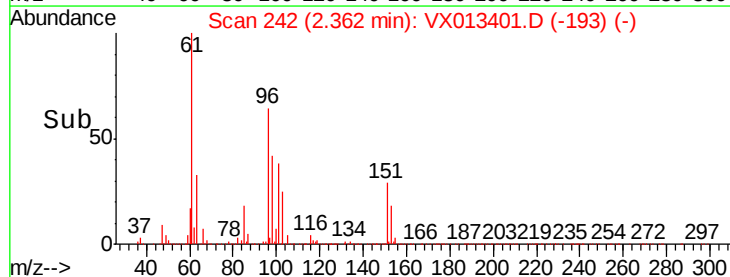
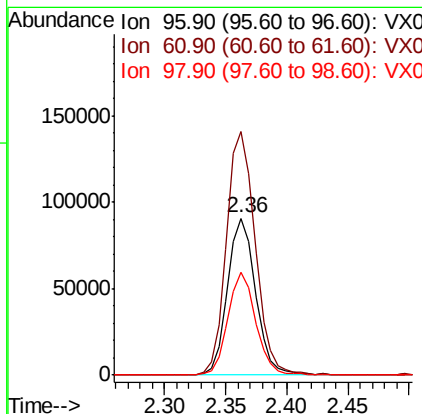
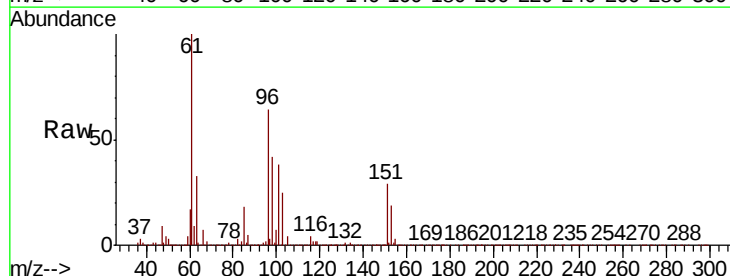
Tot Ion: 59 Resp: 204465
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.0 12.0

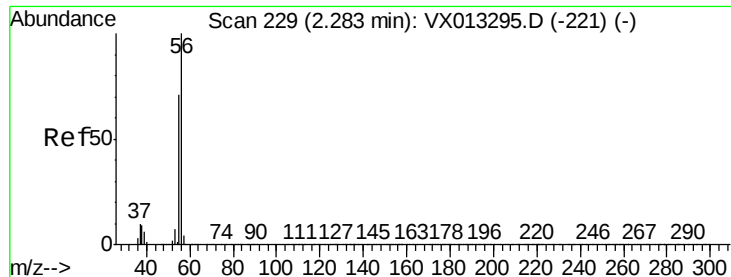


#12

1,1-Dichloroethene
 Concen: 17.529 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion: 96 Resp: 144469
 Ion Ratio Lower Upper
 96 100
 61 155.5 125.0 187.6
 98 65.7 50.7 76.1





#13

Acrolein

Concen: 99.316 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

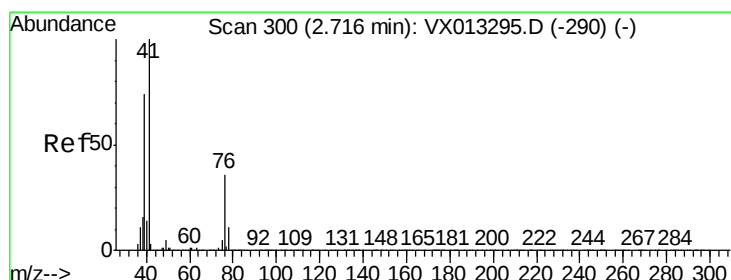
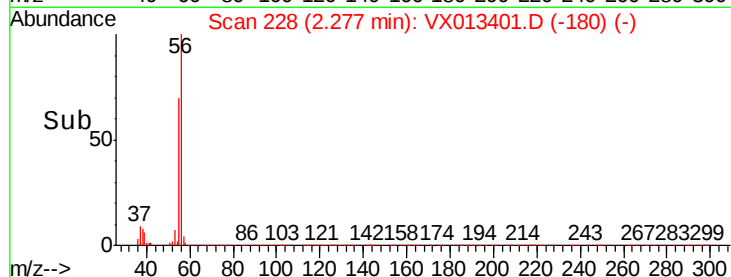
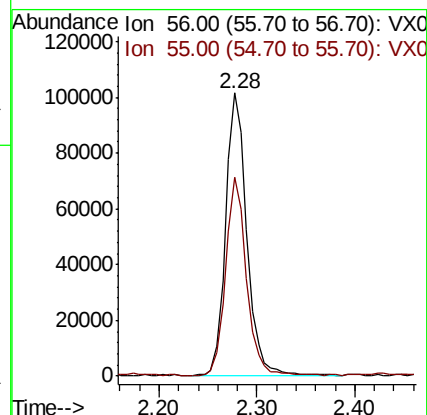
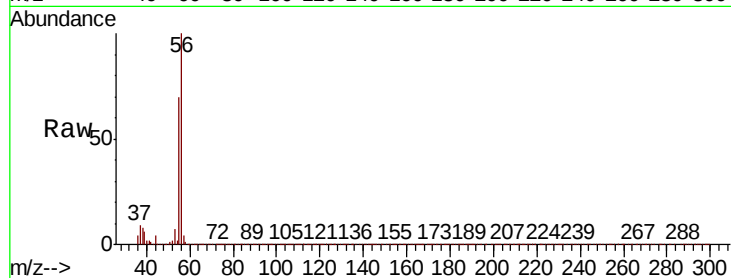
VX1113WBS02

Tot Ion: 56 Resp: 151014

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0



#14

Allyl chloride

Concen: 17.279 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

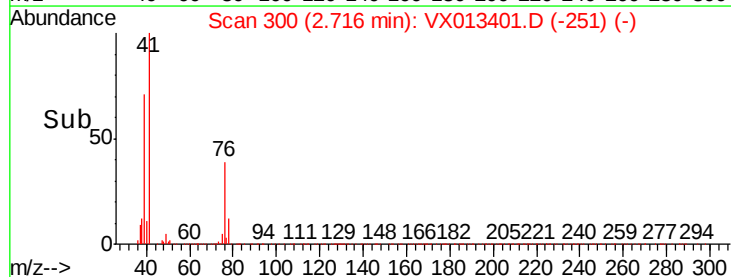
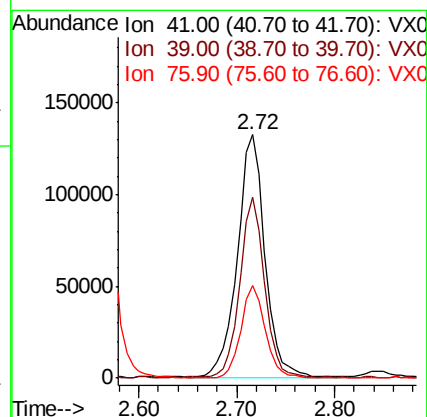
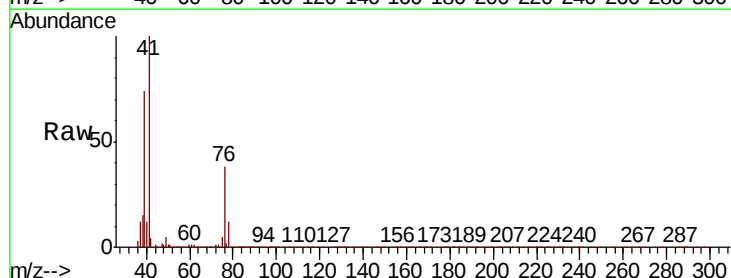
Tgt Ion: 41 Resp: 258756

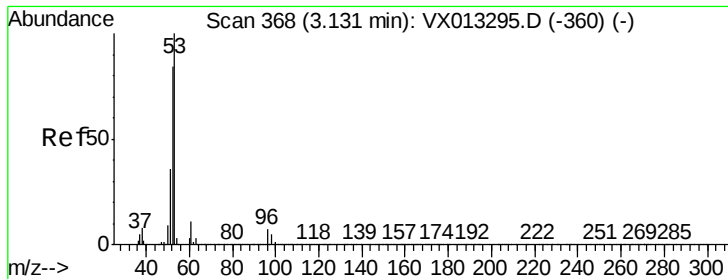
Ion Ratio Lower Upper

41 100

39 66.7 55.8 83.8

76 33.1 26.4 39.6





#15

Acrylonitrile

Concen: 82.544 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

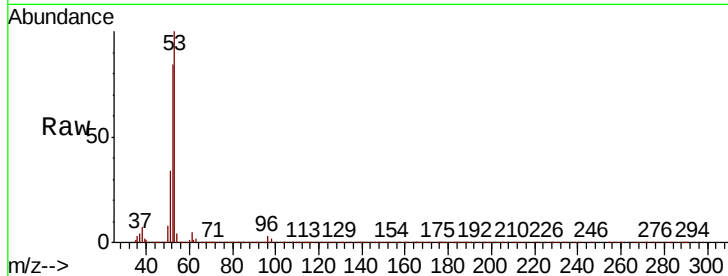
Tot Ion: 53 Resp: 432587

Ion Ratio Lower Upper

53 100

52 82.9 67.4 101.0

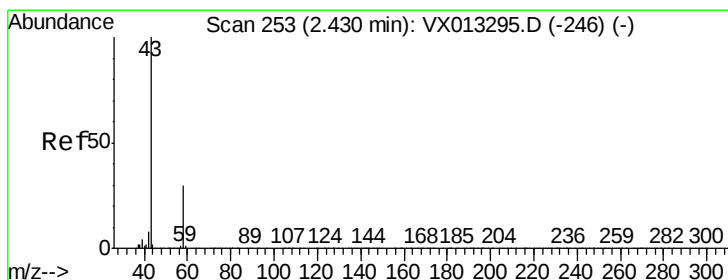
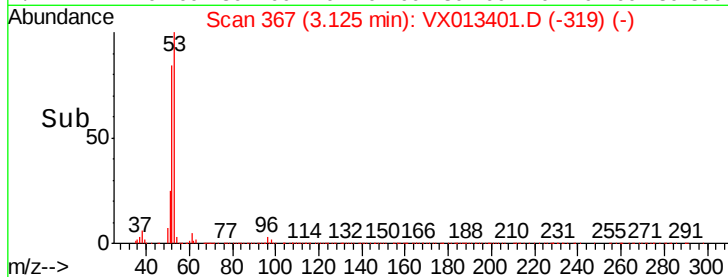
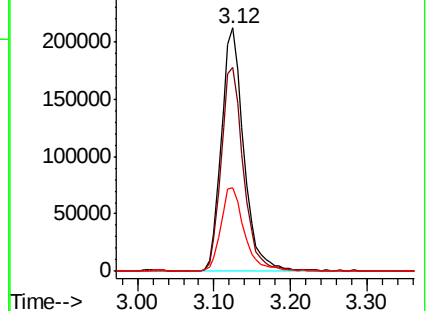
51 35.4 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 75.708 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013401.D

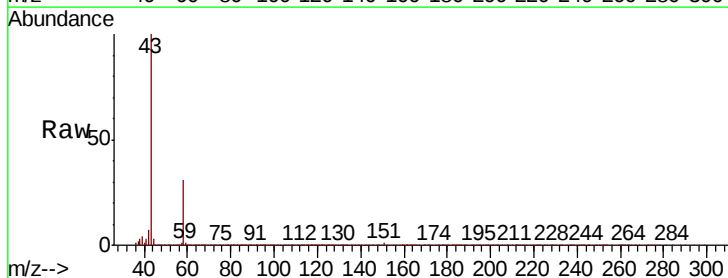
Acq: 13 Nov 2019 12:35

Tgt Ion: 43 Resp: 401960

Ion Ratio Lower Upper

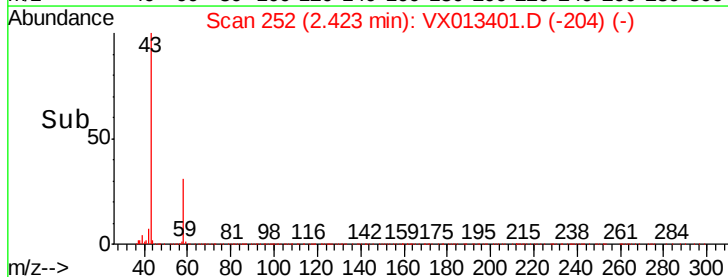
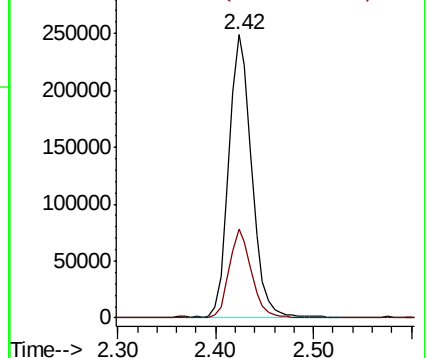
43 100

58 31.1 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.768 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampled :

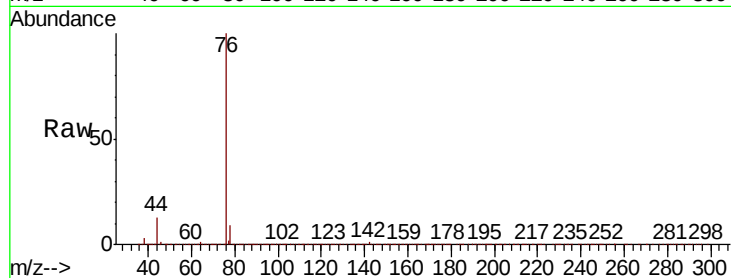
VX1113WBS02

Tot Ion: 76 Resp: 369888

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

250000

200000

150000

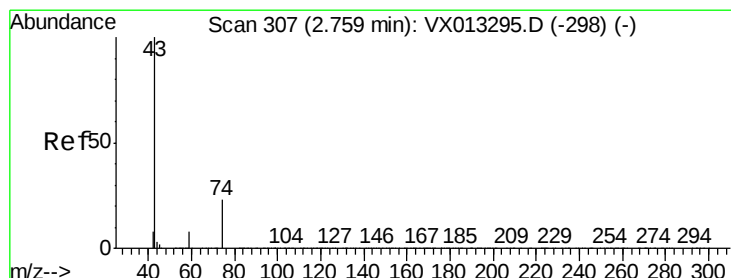
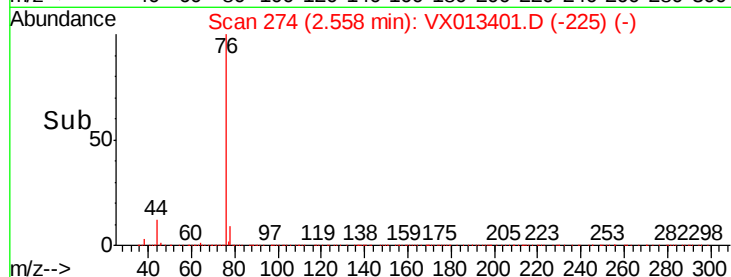
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 16.857 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX013401.D

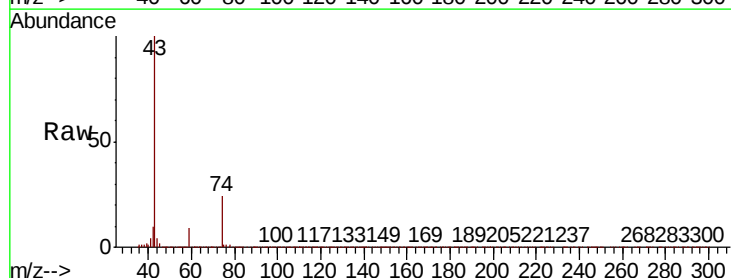
Acq: 13 Nov 2019 12:35

Tgt Ion: 43 Resp: 247095

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

150000

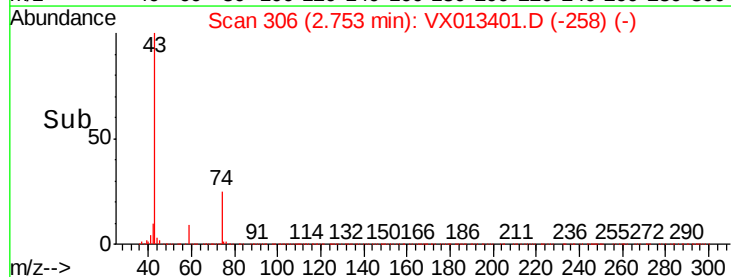
100000

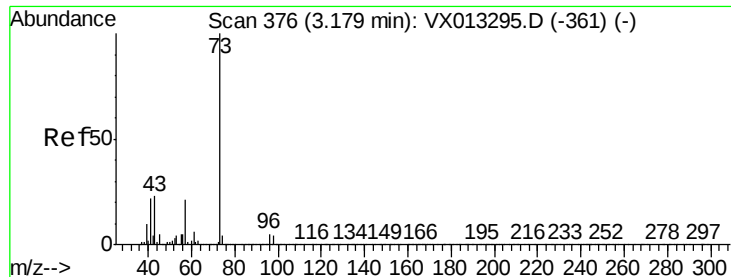
50000

0

2.70 2.80

Time-->

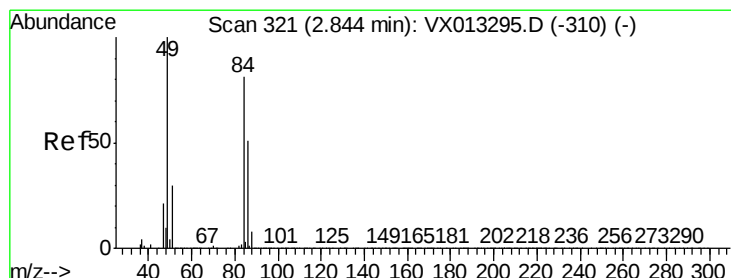
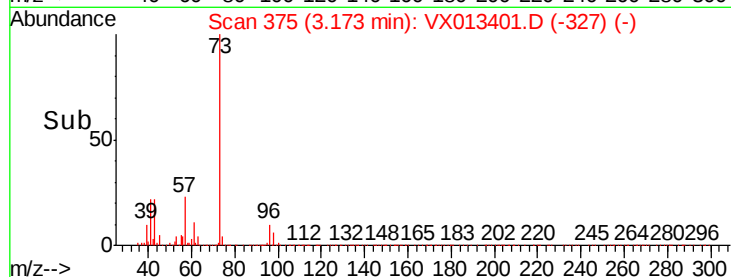
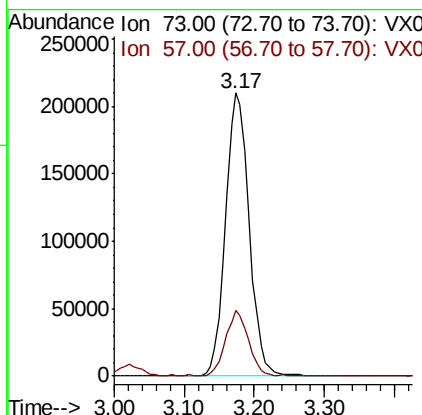
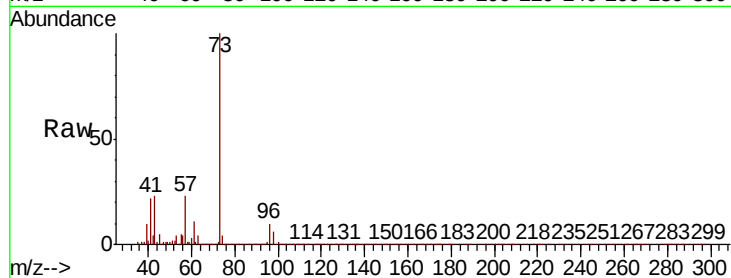




#19
Methyl tert-butyl Ether
Concen: 17.923 ug/l
RT: 3.17 min Scan# 375
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

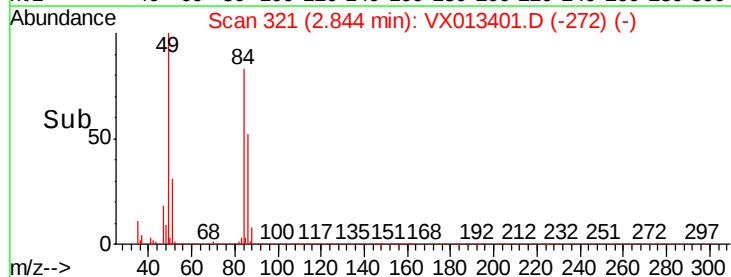
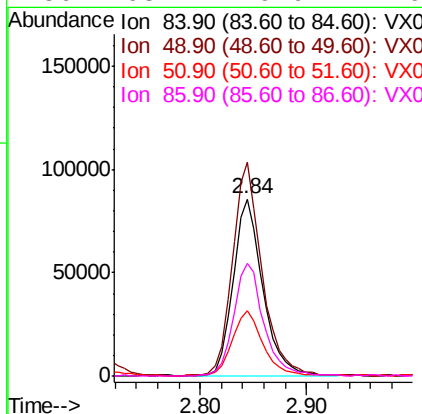
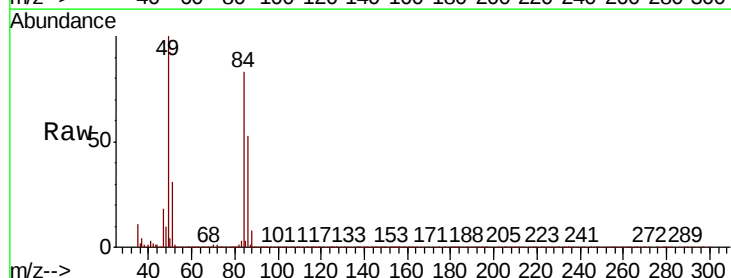
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

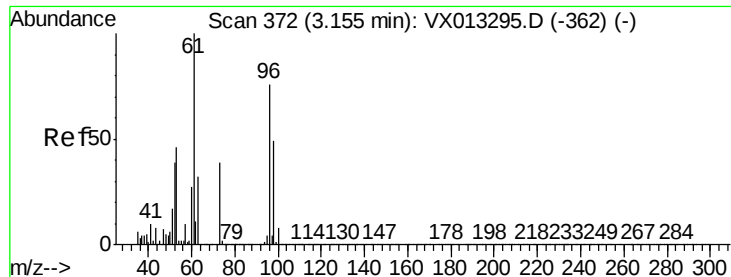
Tot Ion: 73 Resp: 492673
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7



#20
Methylene Chloride
Concen: 16.973 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 84 Resp: 166500
Ion Ratio Lower Upper
84 100
49 120.5 98.2 147.4
51 36.7 29.9 44.9
86 63.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.204 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

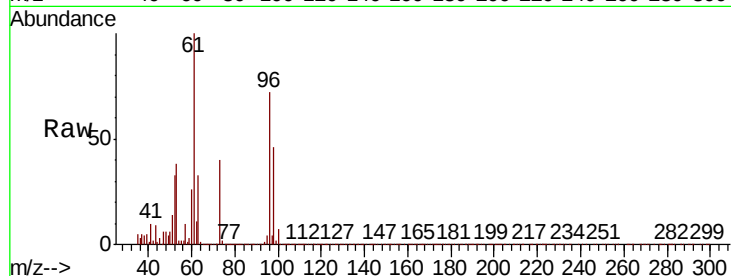
Tot Ion: 96 Resp: 154383

Ion Ratio Lower Upper

96 100

61 138.6 105.8 158.6

98 63.6 51.8 77.6

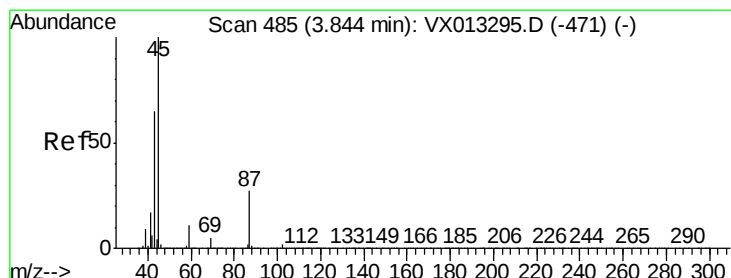
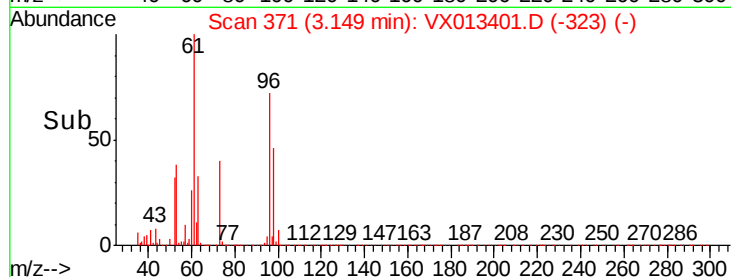
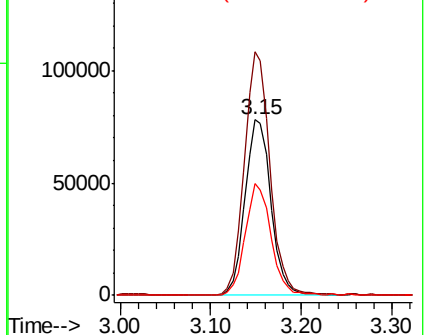


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.346 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Tgt Ion: 45 Resp: 530403

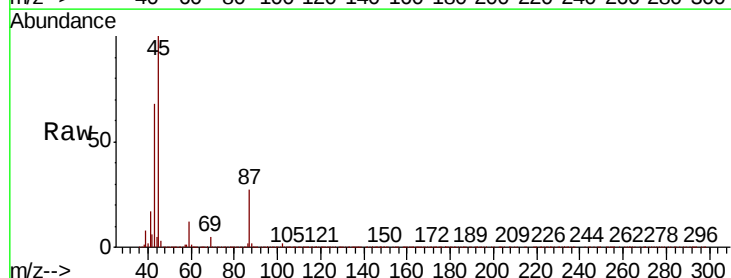
Ion Ratio Lower Upper

45 100

43 67.3 54.2 81.2

87 27.4 21.8 32.8

59 11.7 8.5 12.7



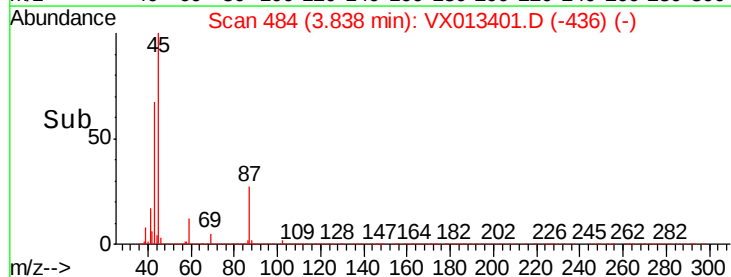
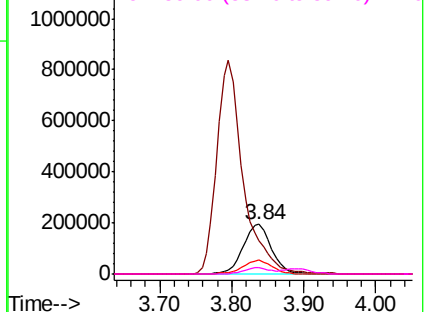
Abundance

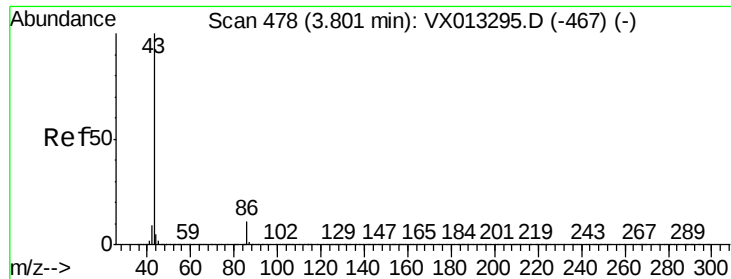
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

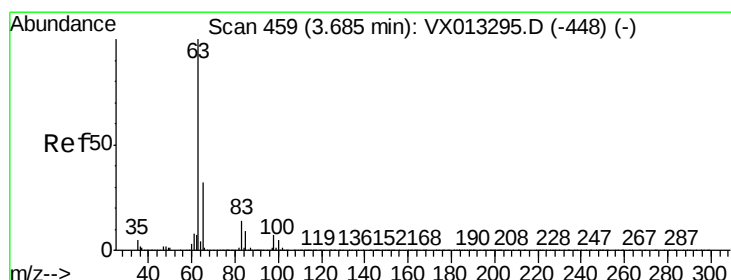
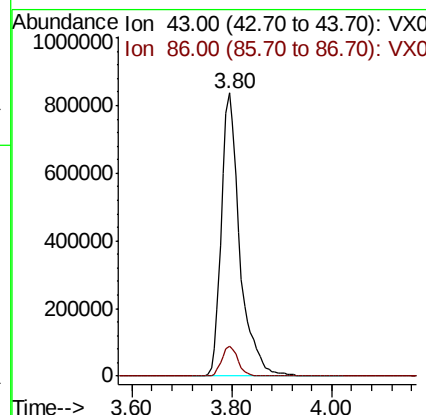
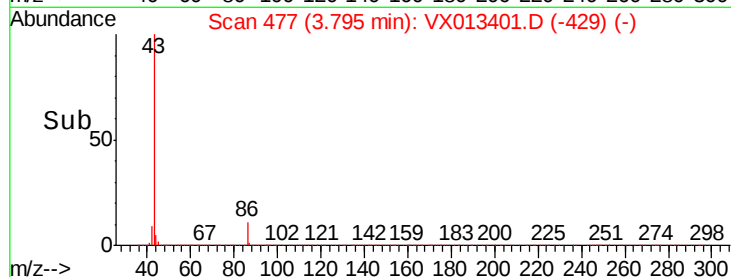
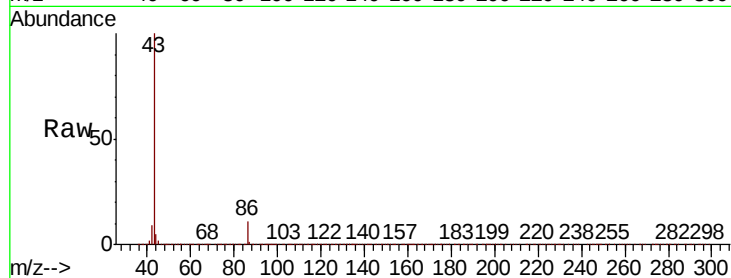




#23
 Vinyl Acetate
 Concen: 86.934 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

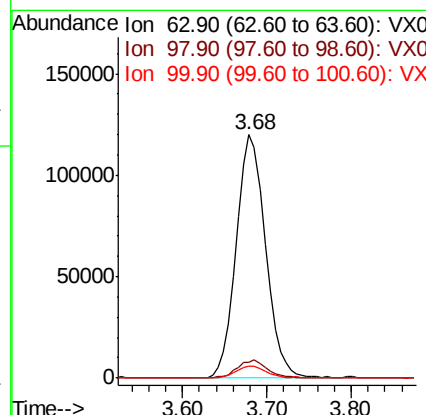
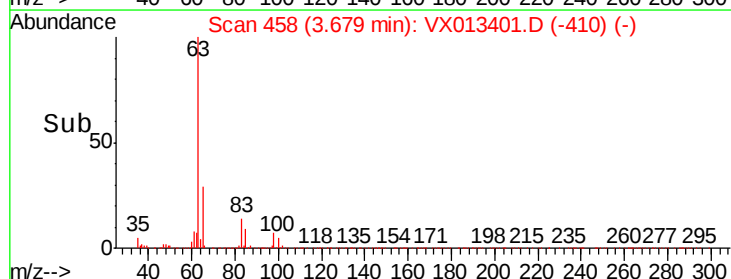
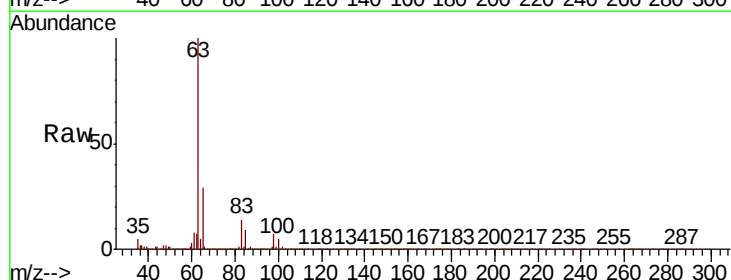
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

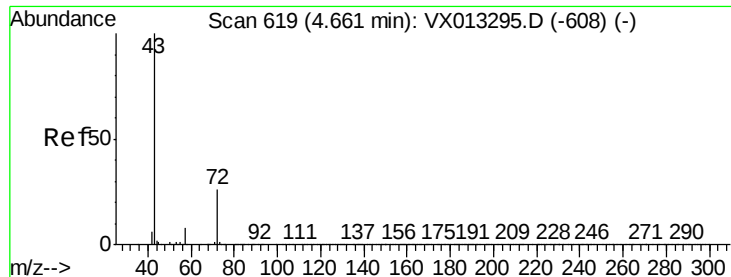
Tot Ion: 43 Resp: 2150644
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 17.363 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion: 63 Resp: 280806
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.4
 100 4.6 2.4 7.2





#25

2-Butanone

Concen: 79.782 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

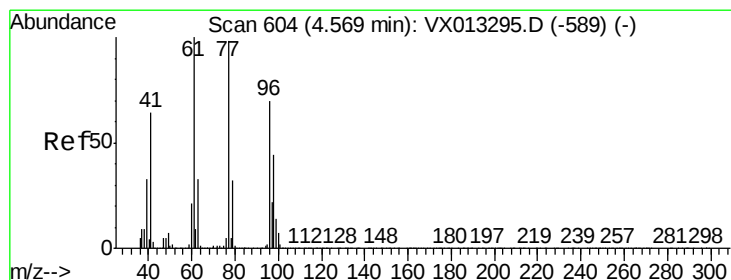
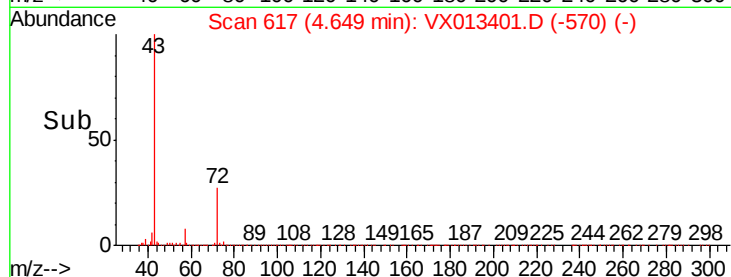
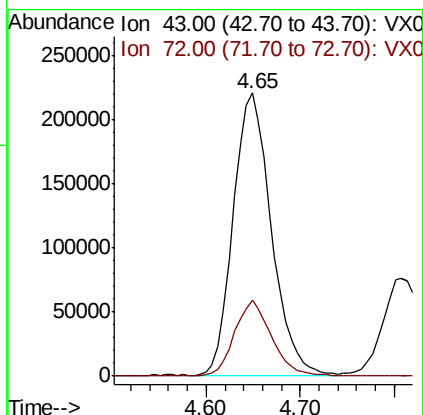
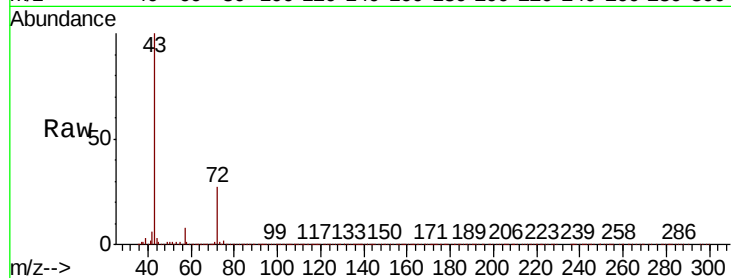
VX1113WBS02

Tot Ion: 43 Resp: 621410

Ion Ratio Lower Upper

43 100

72 26.8 21.0 31.6



#26

2,2-Dichloropropane

Concen: 18.263 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013401.D

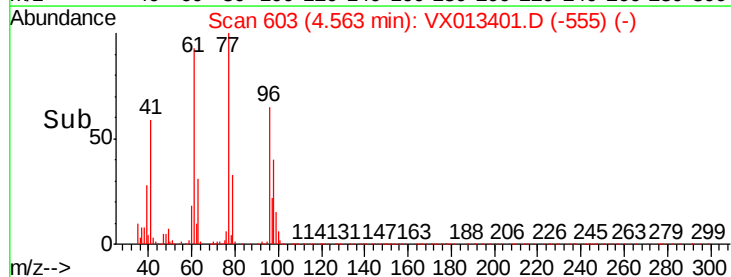
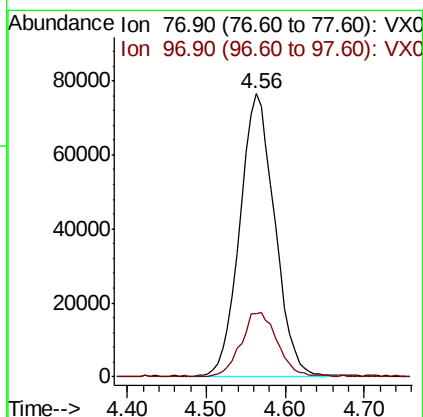
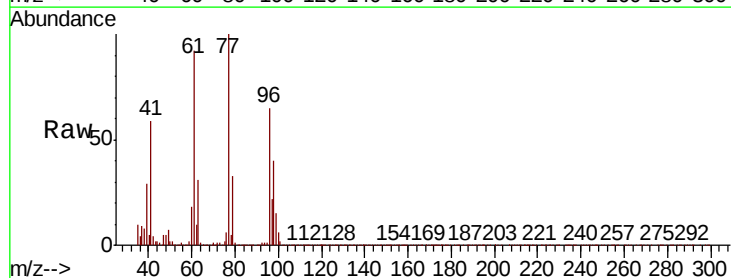
Acq: 13 Nov 2019 12:35

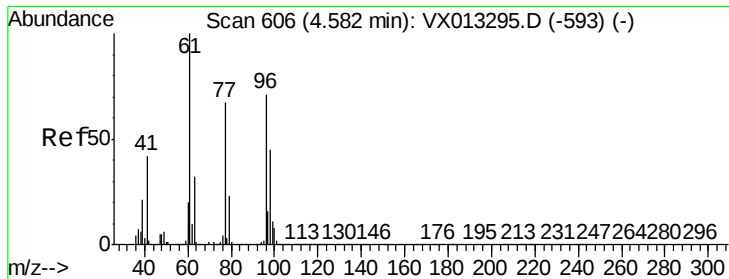
Tgt Ion: 77 Resp: 234966

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8



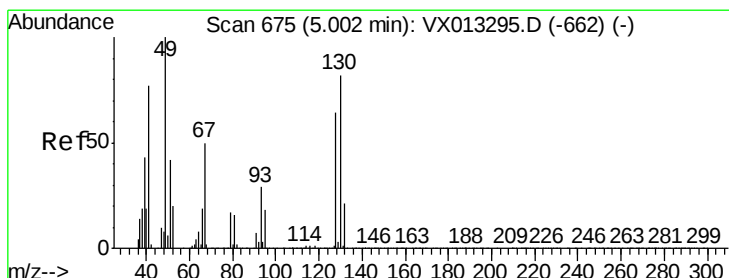
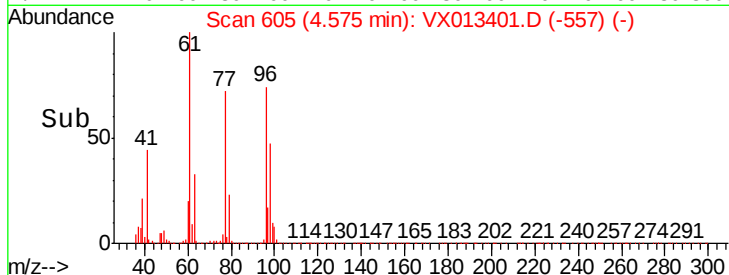
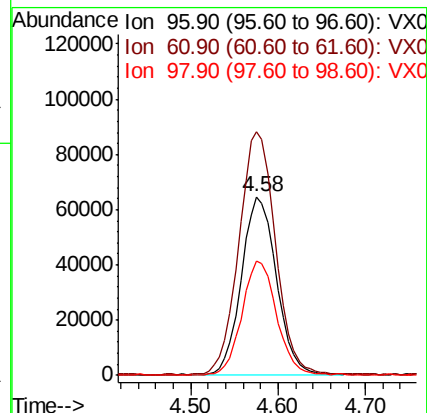
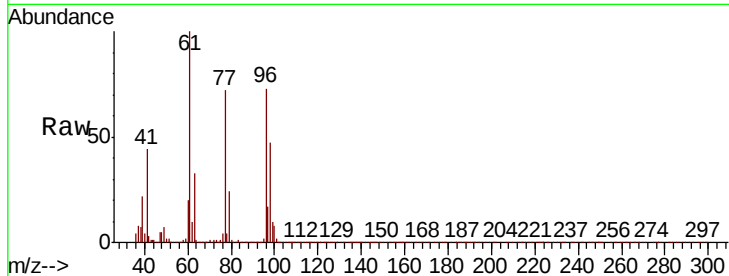


#27

cis-1,2-Dichloroethene
Concen: 17.883 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

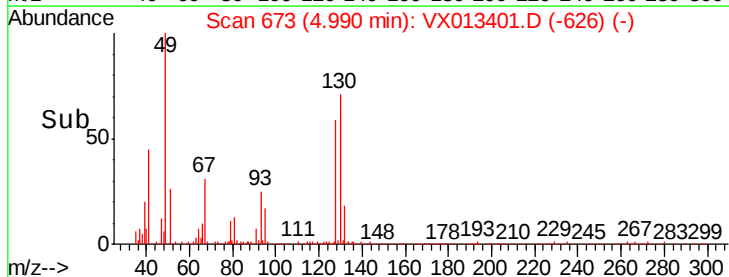
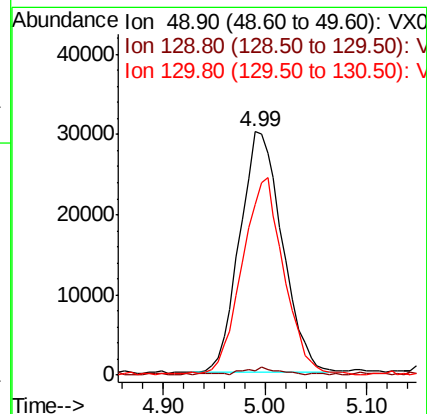
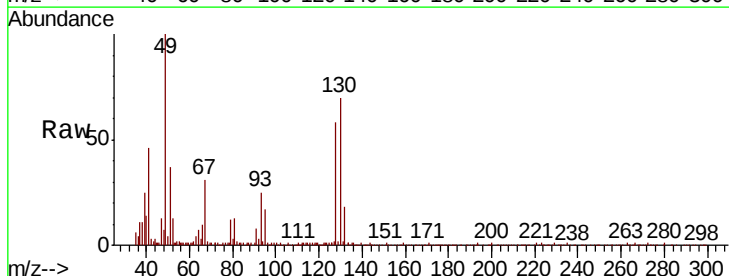
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	288.0
98	63.0	0.0	129.6

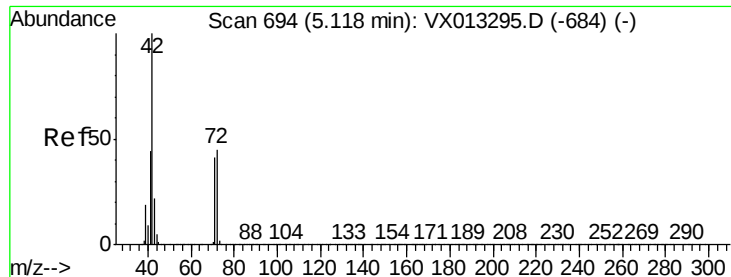


#28

Bromochloromethane
Concen: 19.065 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	80.9	63.8	95.6

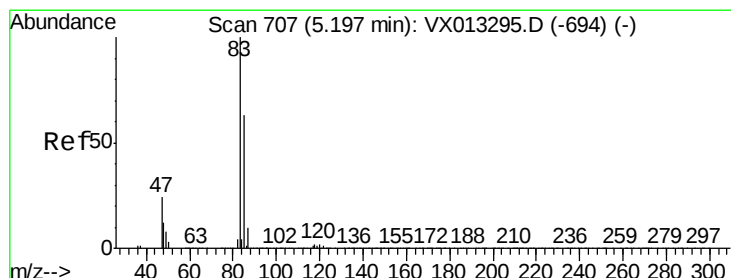
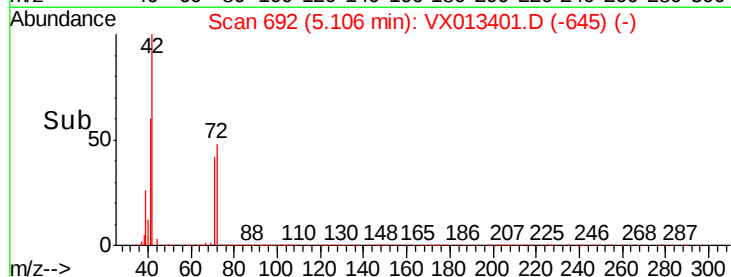
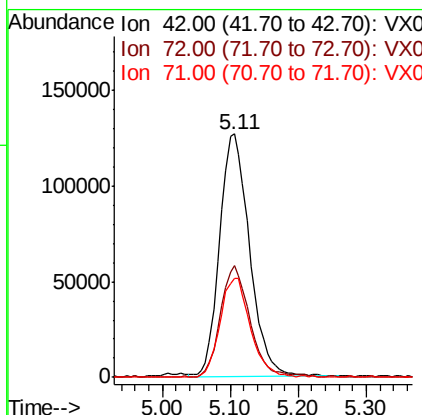
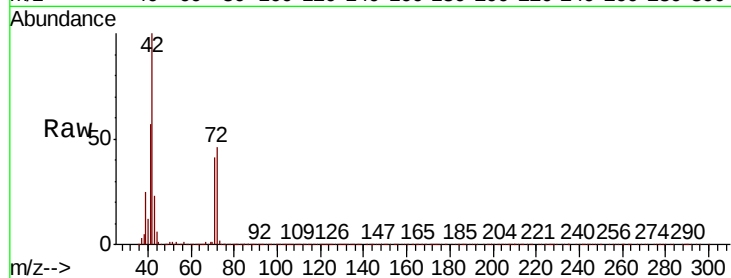




#29
Tetrahydrofuran
Concen: 80.583 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

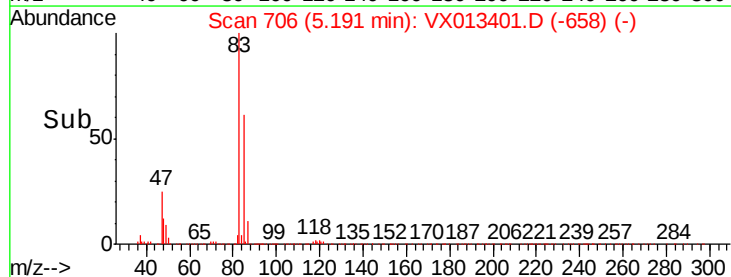
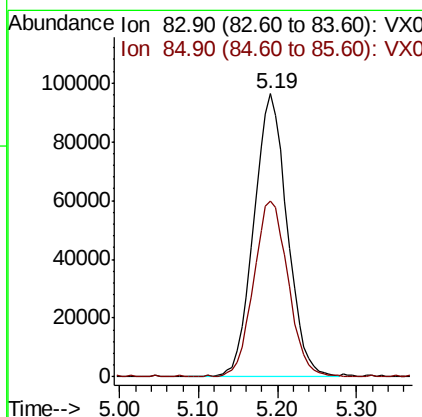
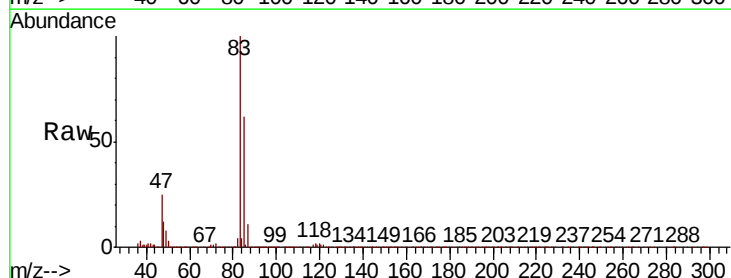
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

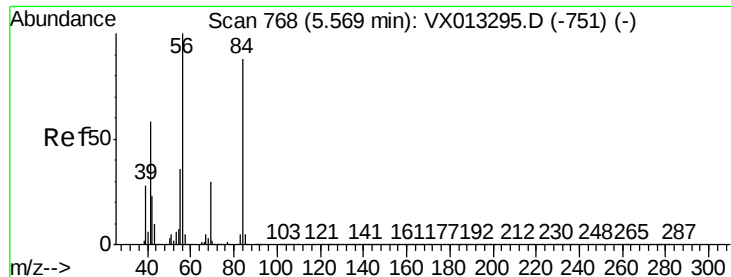
Tot Ion: 42 Resp: 386787
Ion Ratio Lower Upper
42 100
72 45.4 35.8 53.8
71 41.1 33.4 50.0



#30
Chloroform
Concen: 17.642 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 83 Resp: 281747
Ion Ratio Lower Upper
83 100
85 62.1 50.2 75.4





#31

Cvclohexane

Concen: 17.557 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

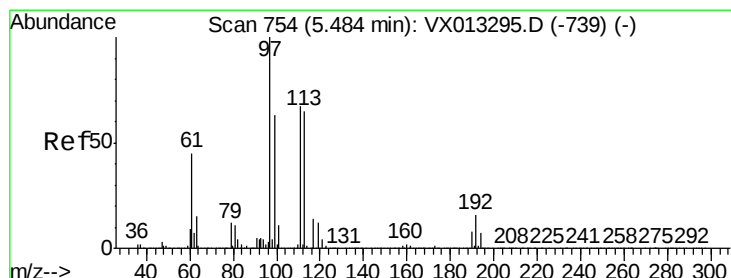
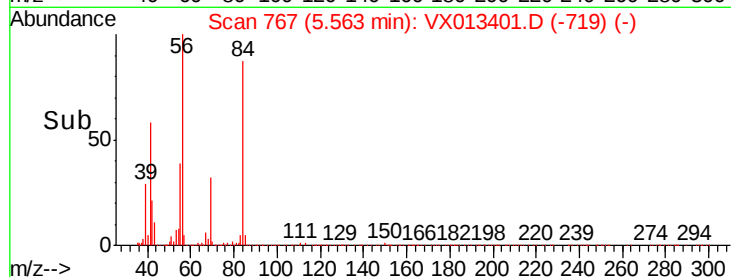
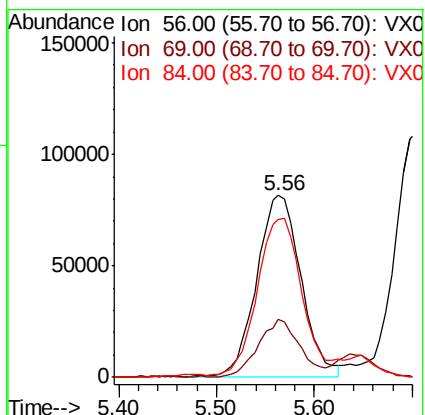
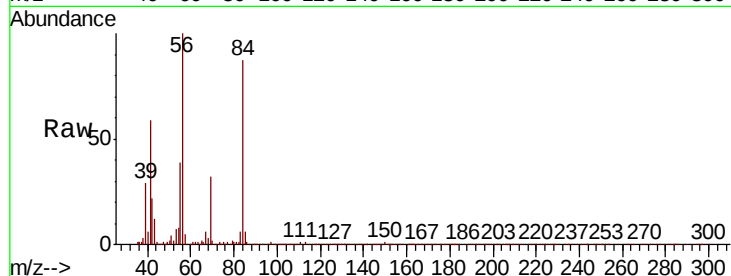
Tot Ion: 56 Resp: 255501

Ion Ratio Lower Upper

56 100

69 31.4 23.7 35.5

84 85.6 70.6 105.8



#32

1,1,1-Trichloroethane

Concen: 17.116 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

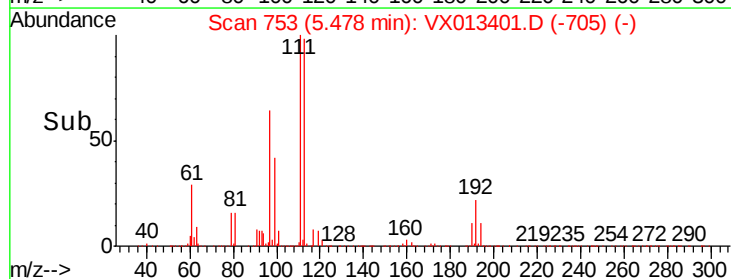
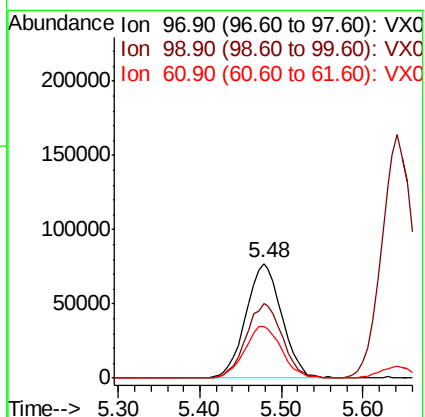
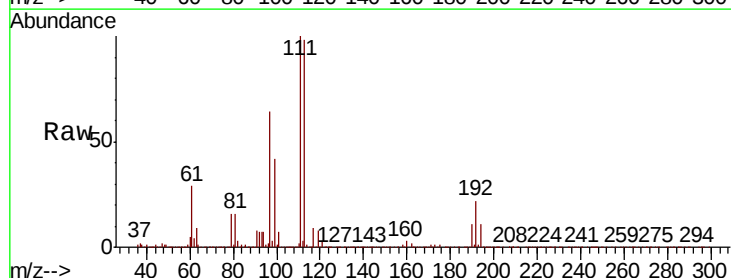
Tgt Ion: 97 Resp: 235235

Ion Ratio Lower Upper

97 100

99 65.4 51.1 76.7

61 47.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 37.883 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

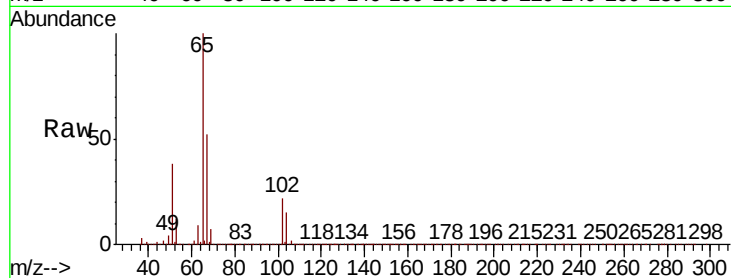
VX1113WBS02

Tot Ion: 65 Resp: 403244

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

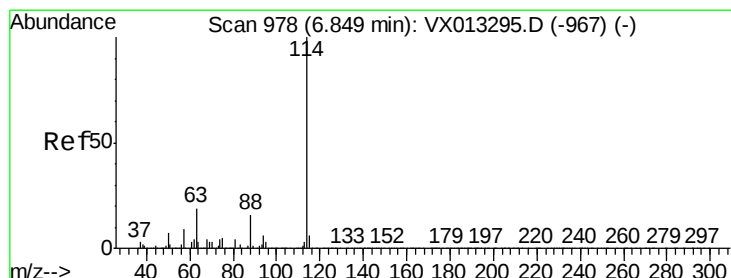
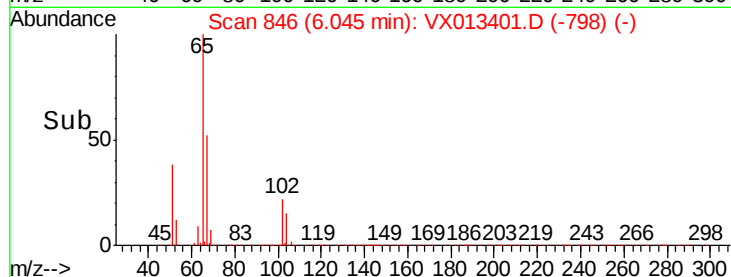
100000

50000

0

Time-->

6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

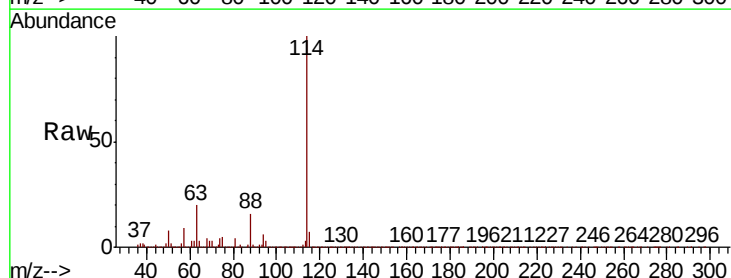
Tgt Ion: 114 Resp: 1344812

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 15.5 0.0 32.2



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

800000

600000

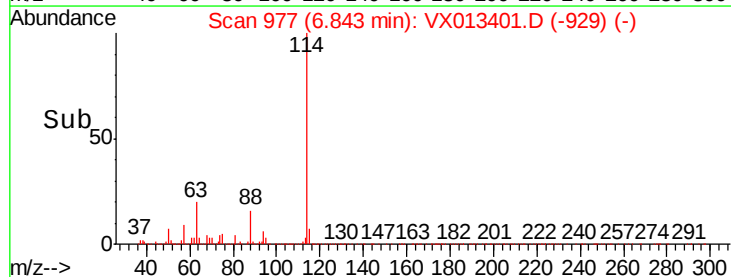
400000

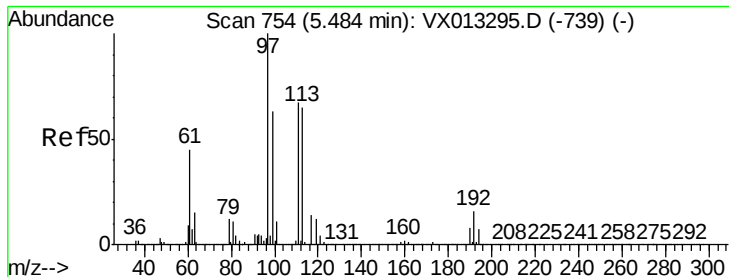
200000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 39.696 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

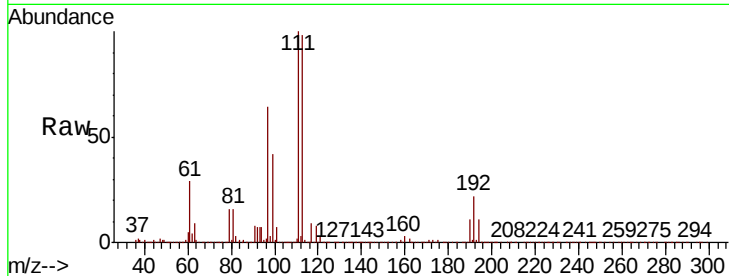
Tot Ion:113 Resp: 334826

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

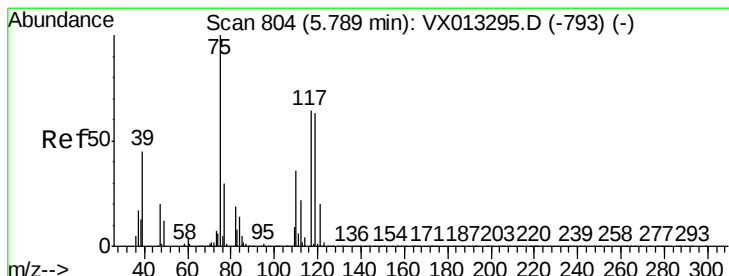
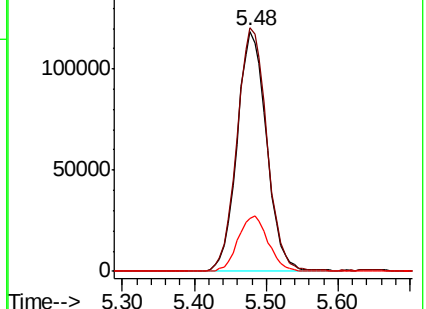
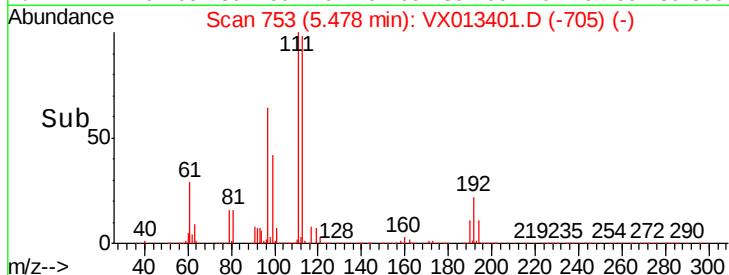
192 23.7 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.096 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

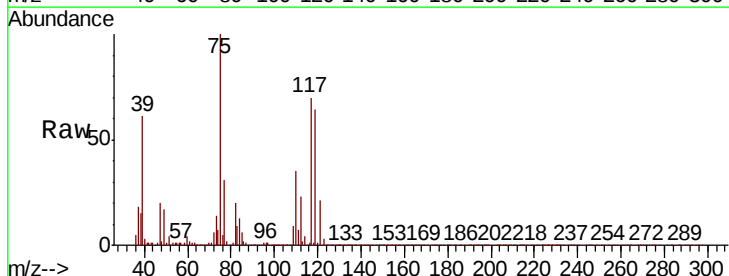
Tgt Ion: 75 Resp: 208773

Ion Ratio Lower Upper

75 100

110 37.1 18.1 54.1

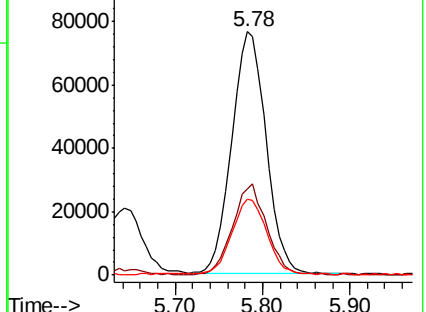
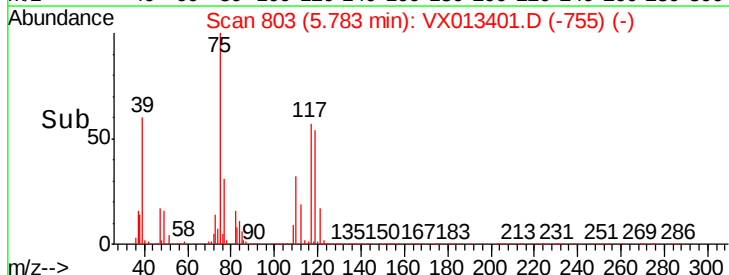
77 31.6 25.0 37.4

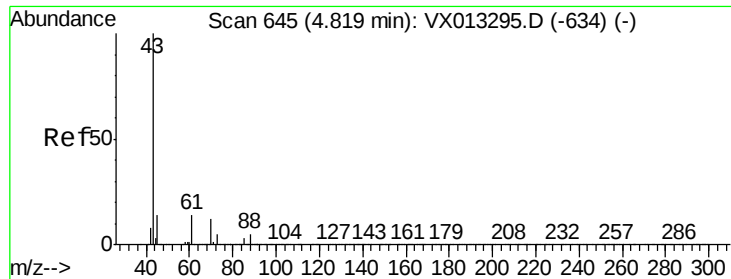


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

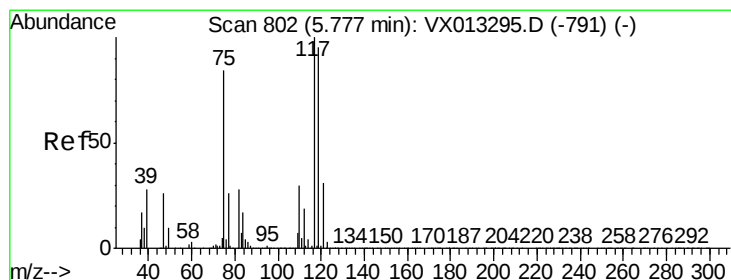
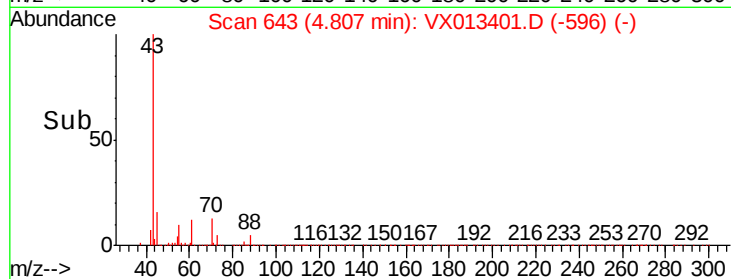
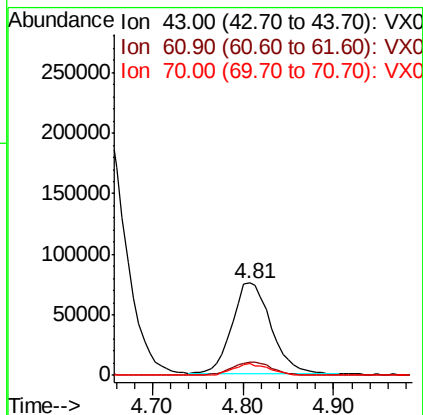
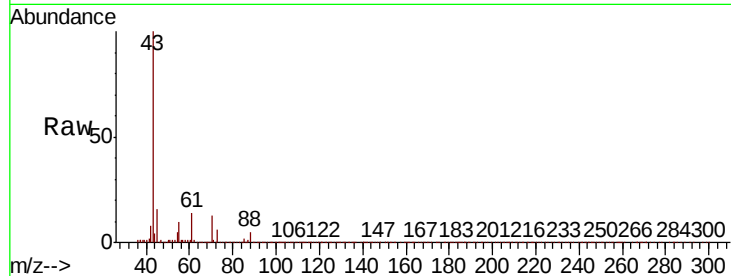




#37
Ethyl Acetate
Concen: 15.935 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

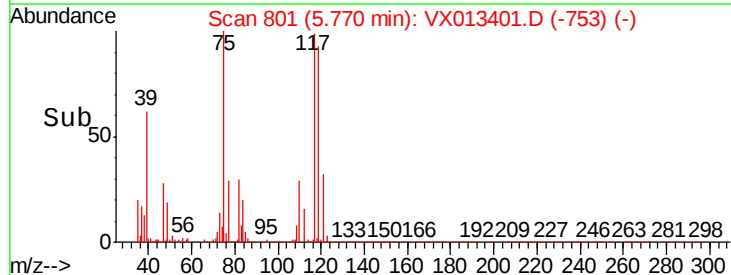
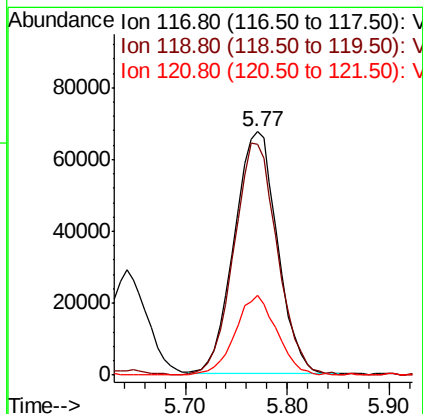
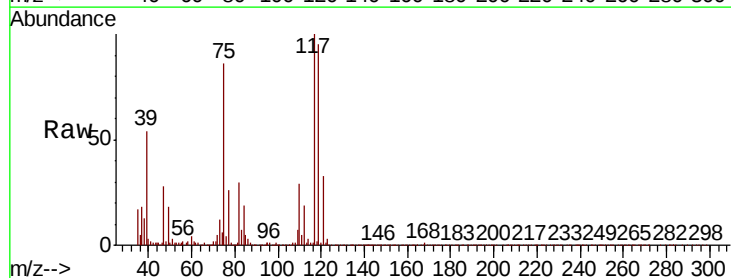
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

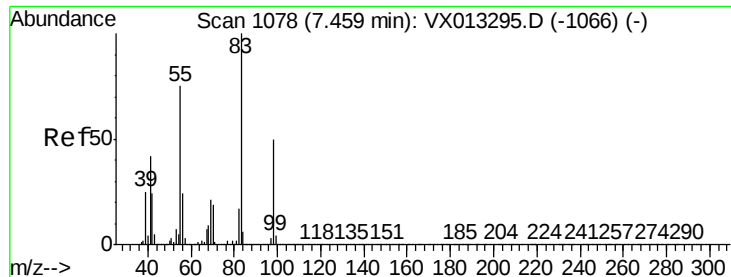
Tot Ion: 43 Resp: 227159
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 11.5 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.556 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 117 Resp: 198064
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1
121 32.8 24.6 37.0

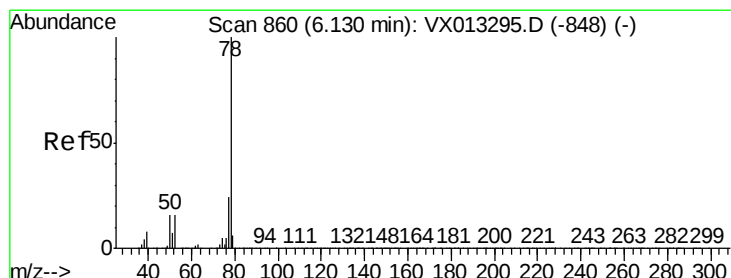
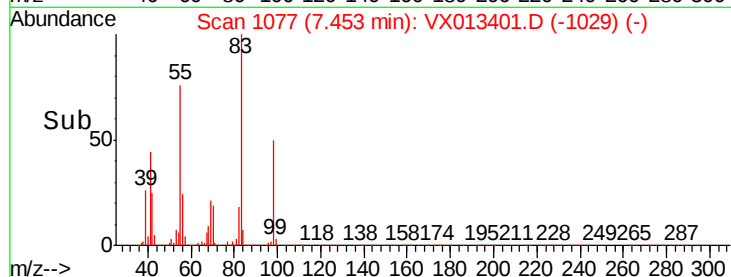
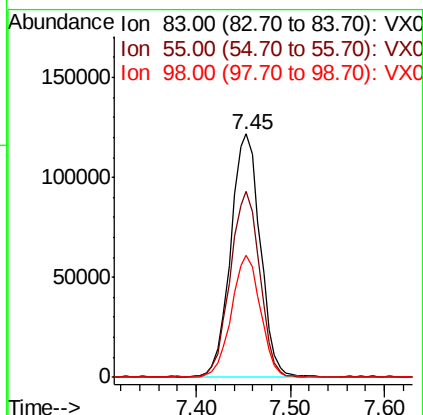
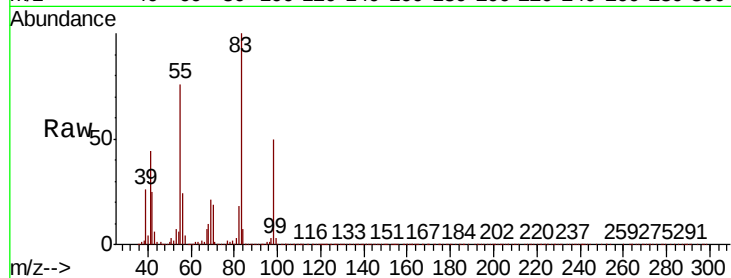




#39
Methvlcvclohexane
Concen: 18.359 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

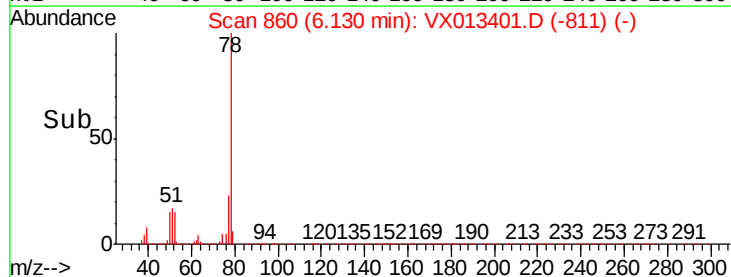
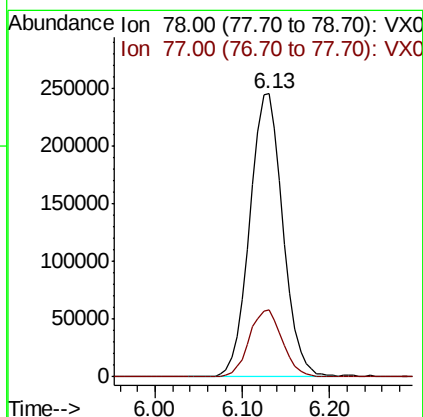
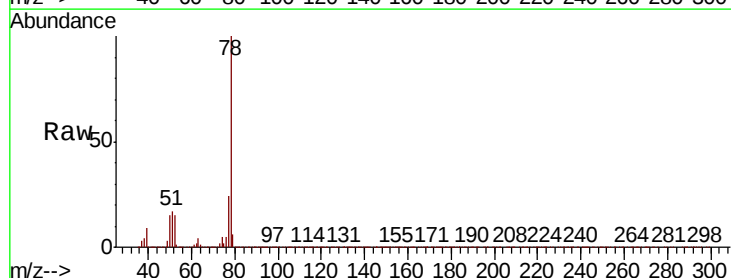
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

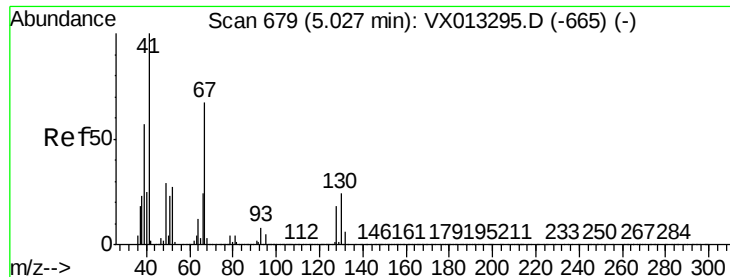
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.3	90.5
98	50.1	40.3	60.5



#40
Benzene
Concen: 18.020 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





#41

Methacrylonitrile

Concen: 15.835 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

Tot Ion: 41 Resp: 126530

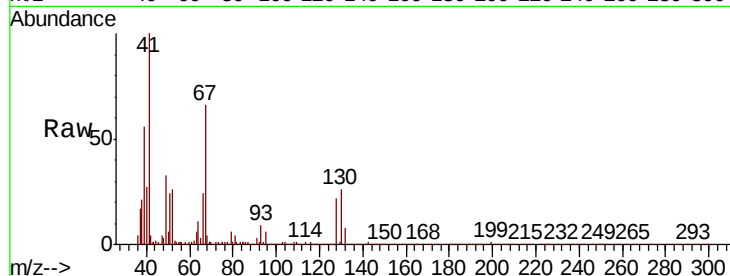
Ion Ratio Lower Upper

41 100

39 58.8 45.0 67.6

67 75.3 55.4 83.2

52 30.1 23.1 34.7

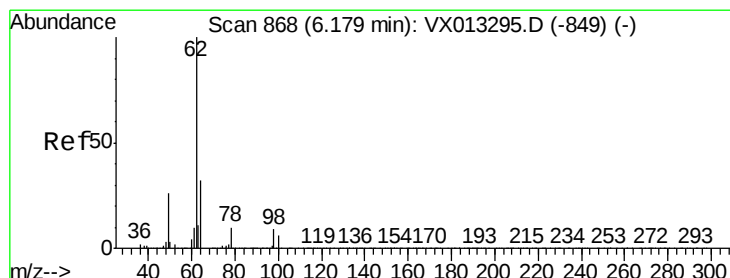
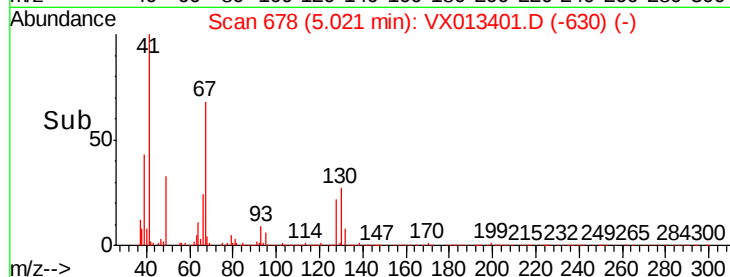
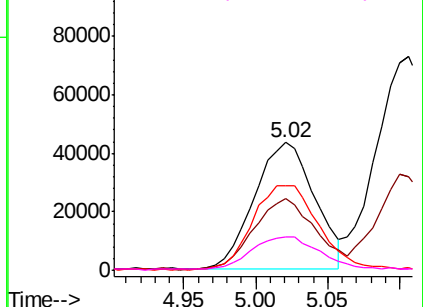


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 17.496 ug/l

RT: 6.17 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX013401.D

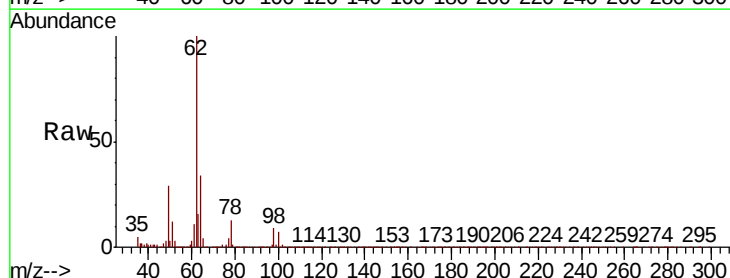
Acq: 13 Nov 2019 12:35

Tgt Ion: 62 Resp: 226796

Ion Ratio Lower Upper

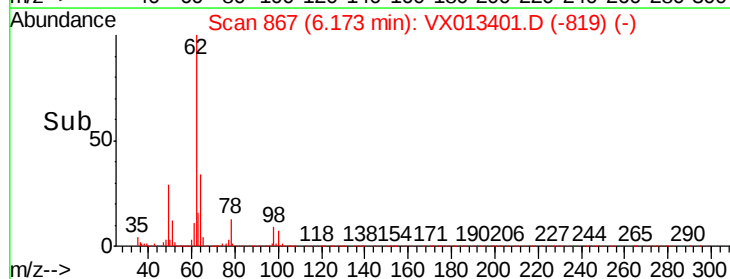
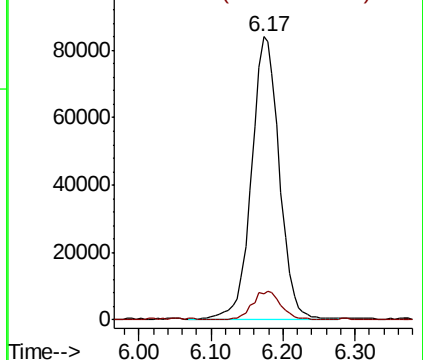
62 100

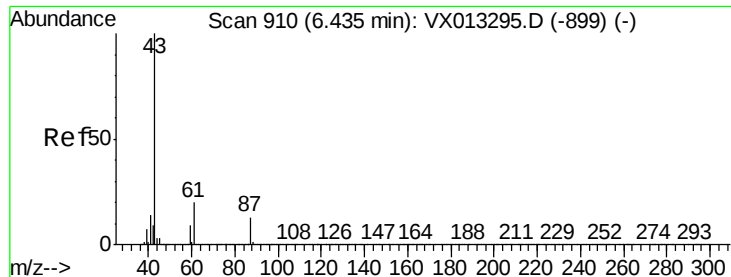
98 10.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.150 ug/l

RT: 6.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

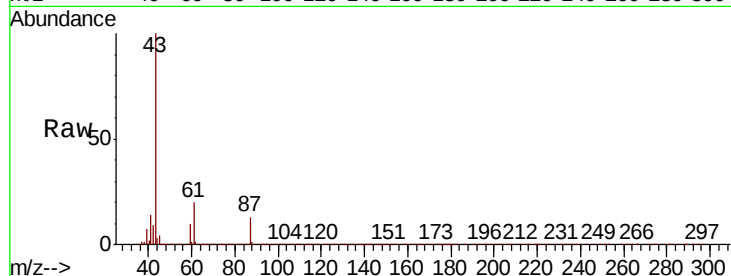
Tot Ion: 43 Resp: 380696

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

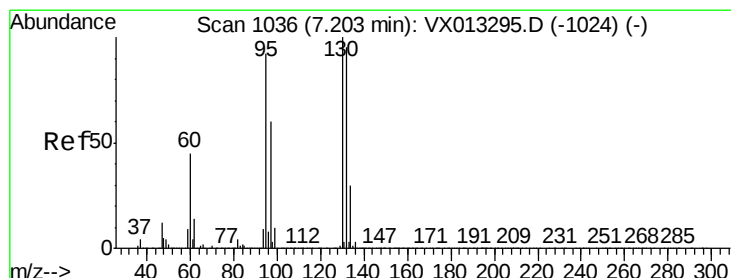
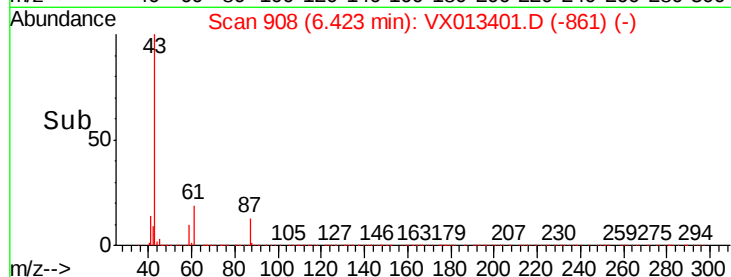
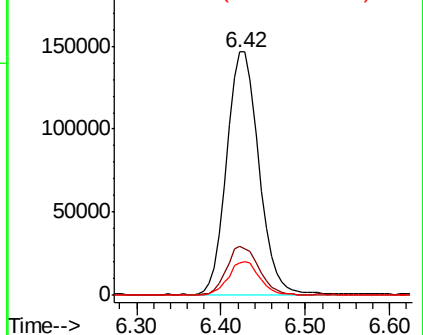
87 13.4 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 17.708 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013401.D

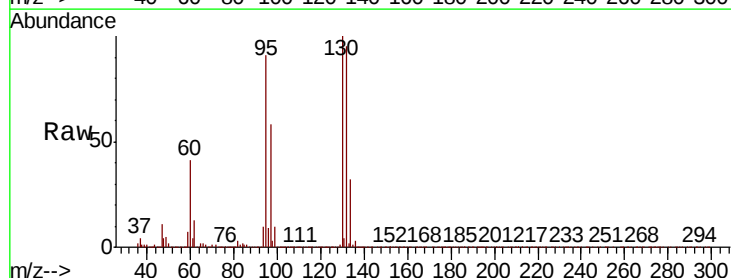
Acq: 13 Nov 2019 12:35

Tgt Ion:130 Resp: 175171

Ion Ratio Lower Upper

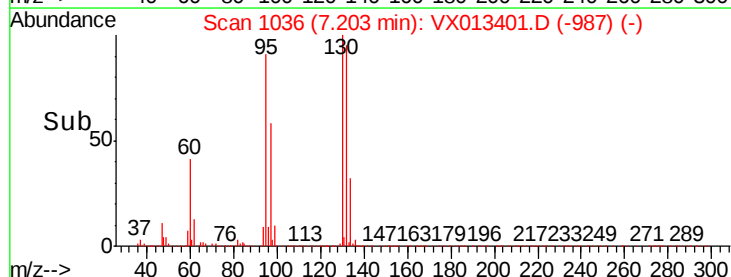
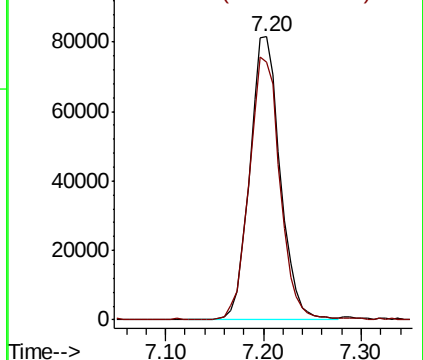
130 100

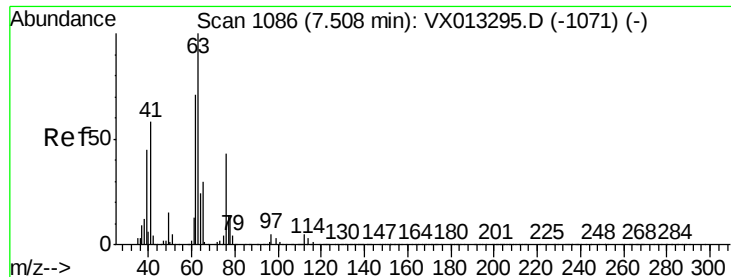
95 91.1 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

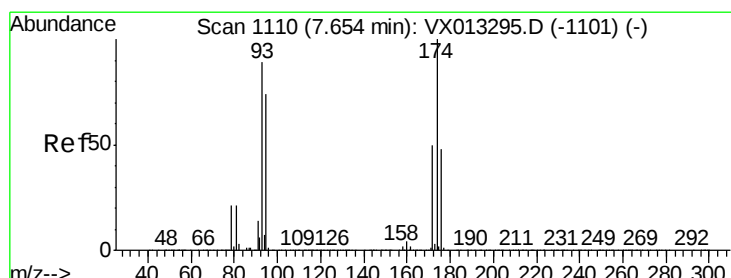
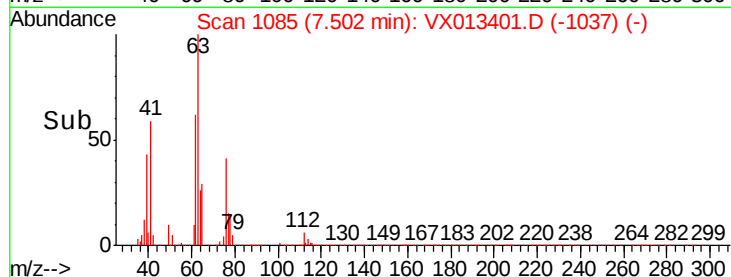
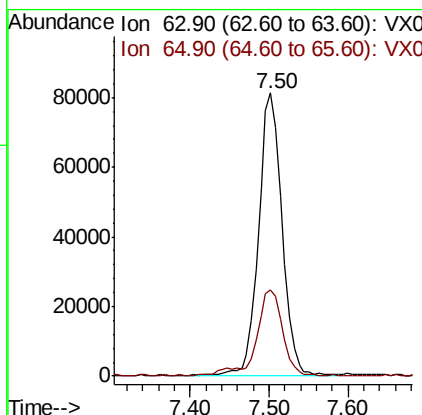
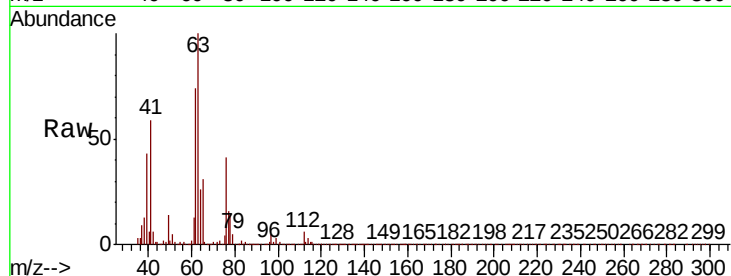




#45
 1,2-Dichloropropane
 Concen: 18.533 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

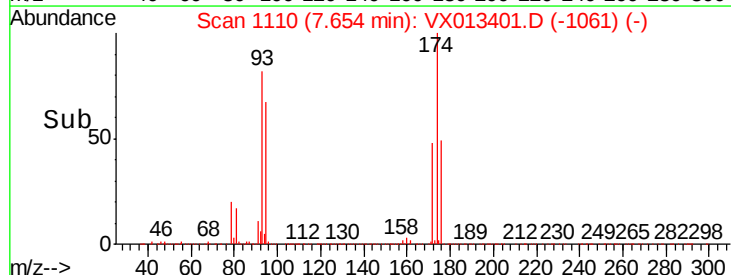
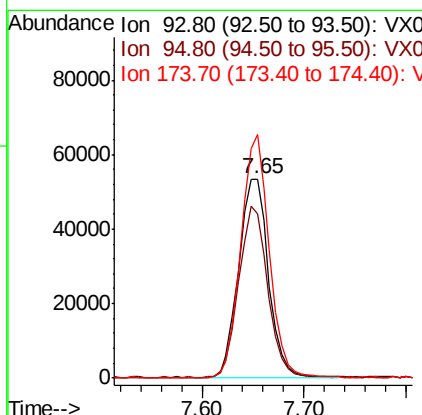
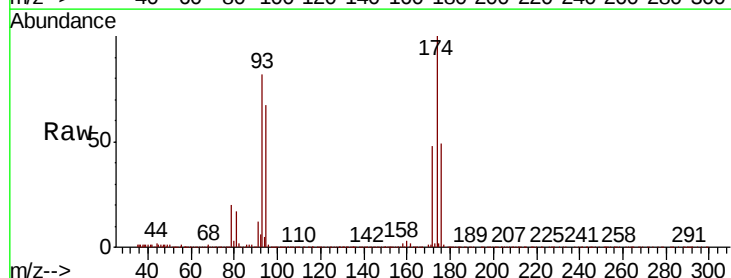
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

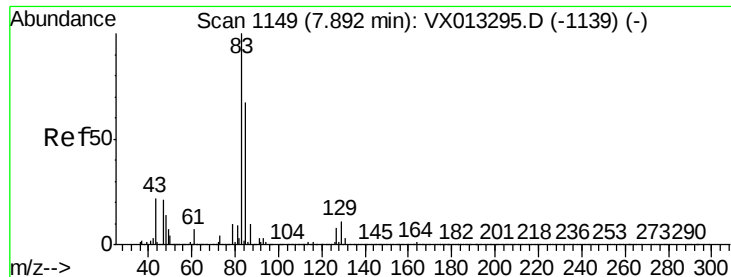
Tot Ion: 63 Resp: 169699
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5



#46
 Dibromomethane
 Concen: 17.227 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion: 93 Resp: 107699
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.8 98.6
 174 117.5 90.4 135.6





#47

Bromodichloromethane

Concen: 18.545 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

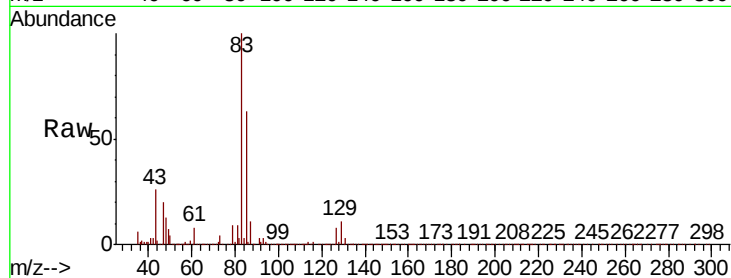
Tot Ion: 83 Resp: 218634

Ion Ratio Lower Upper

83 100

85 62.9 53.7 80.5

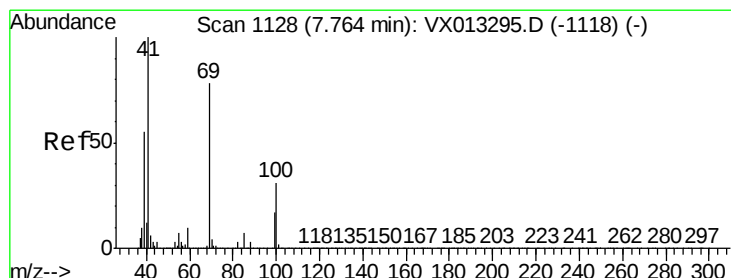
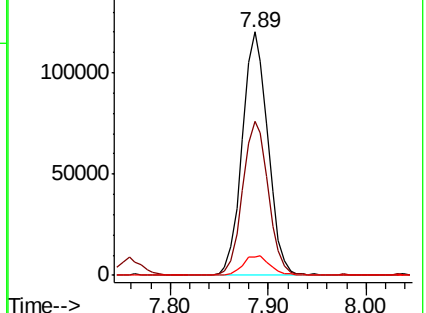
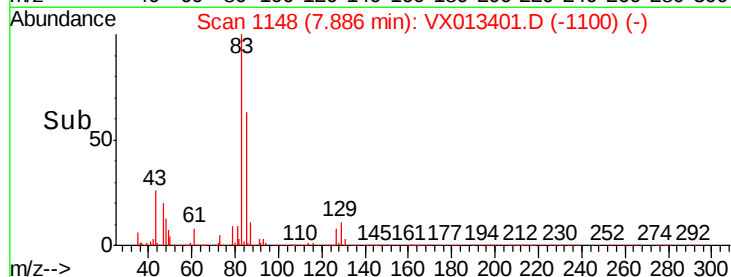
127 7.5 6.4 9.6



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: 17.184 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

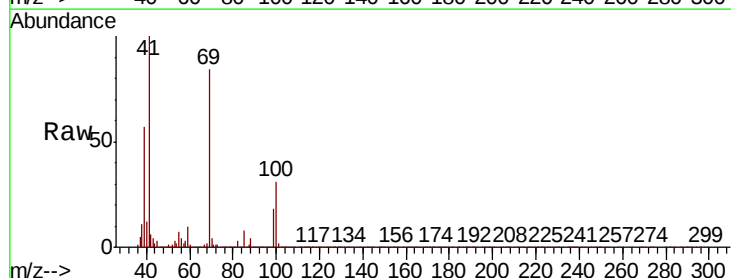
Tgt Ion: 41 Resp: 190413

Ion Ratio Lower Upper

41 100

69 81.2 63.0 94.6

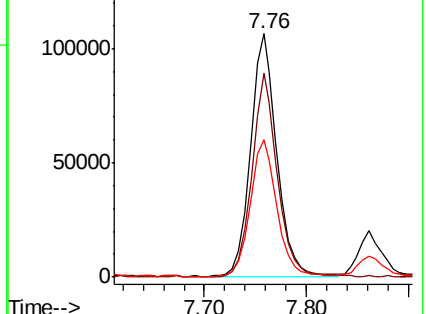
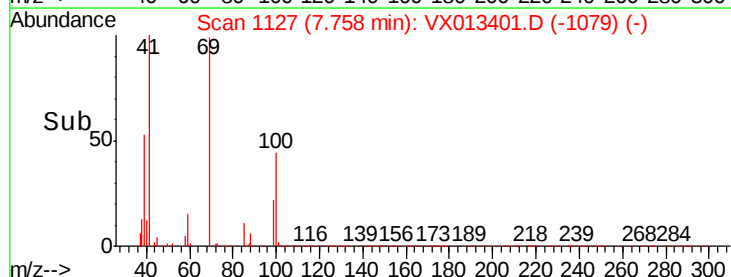
39 57.0 45.9 68.9

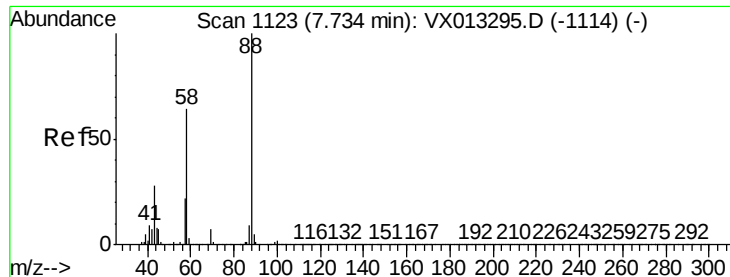


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 323.820 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

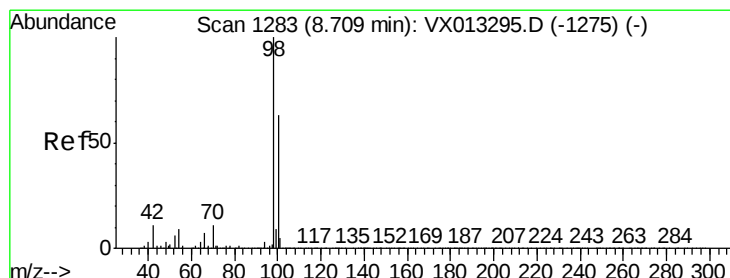
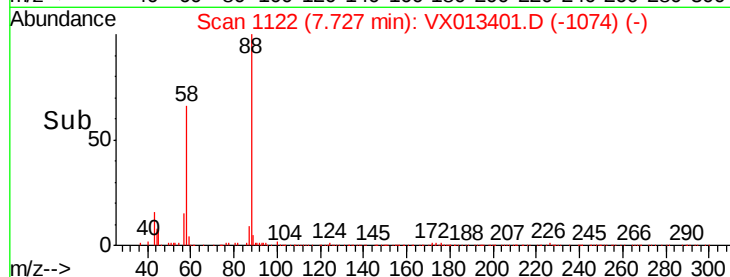
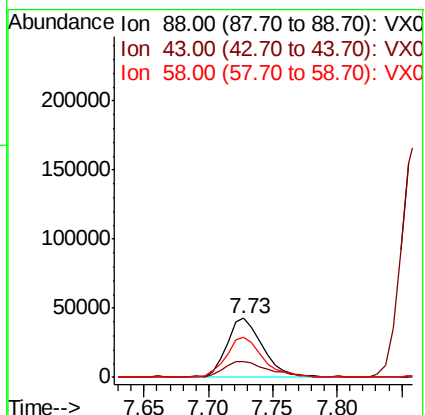
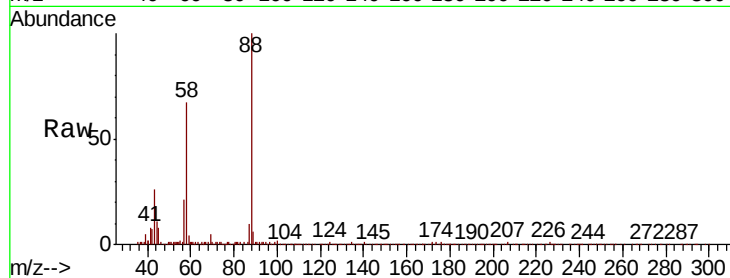
Tot Ion: 88 Resp: 82175

Ion Ratio Lower Upper

88 100

43 33.8 26.6 39.8

58 69.3 55.0 82.6



#50

Toluene-d8

Concen: 40.253 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013401.D

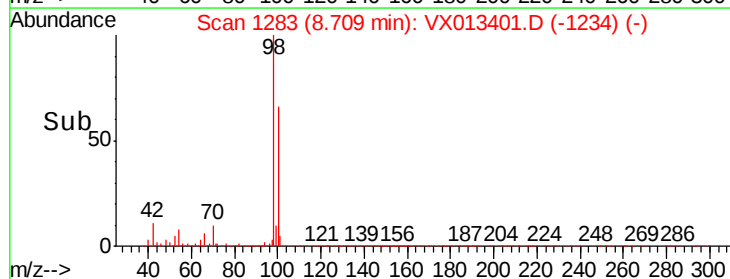
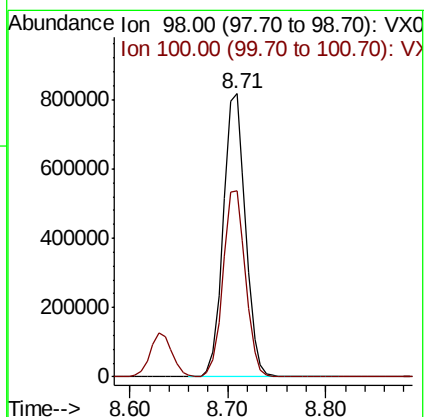
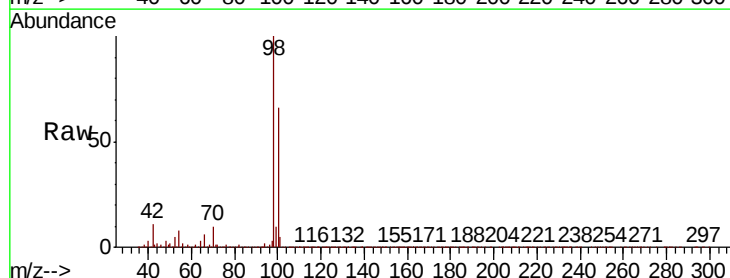
Acq: 13 Nov 2019 12:35

Tgt Ion: 98 Resp: 1279973

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2

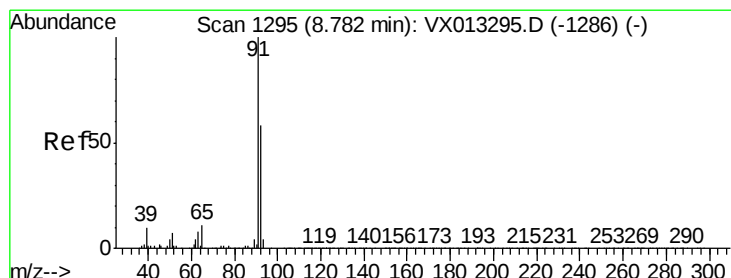
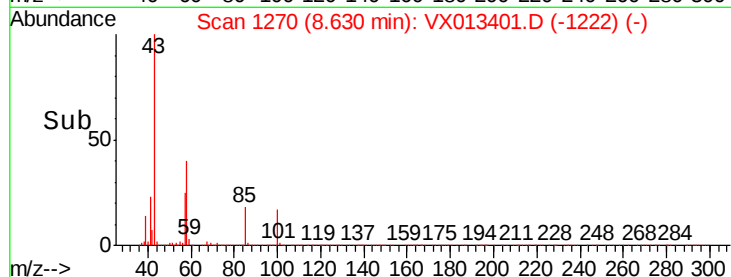
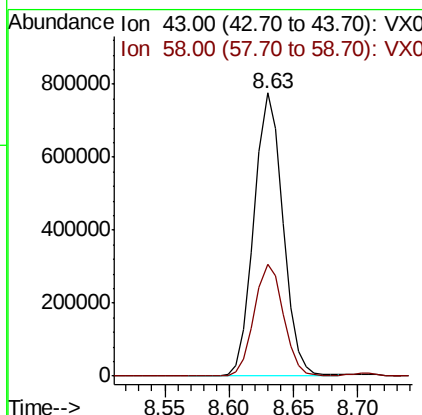
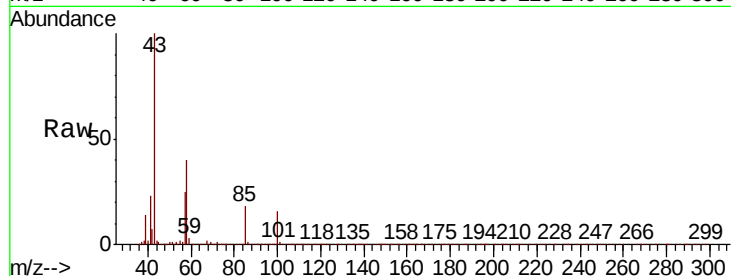




#51
4-Methyl-2-Pentanone
Concen: 82.620 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

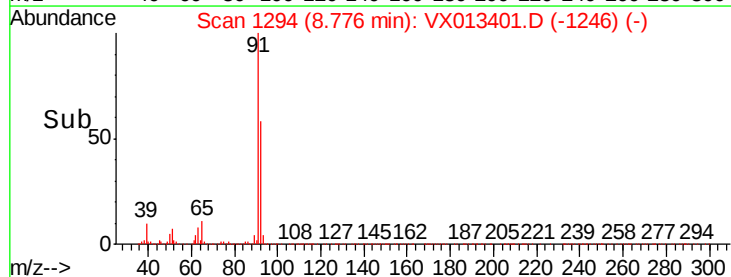
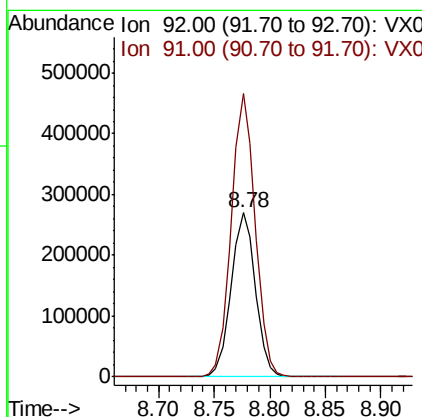
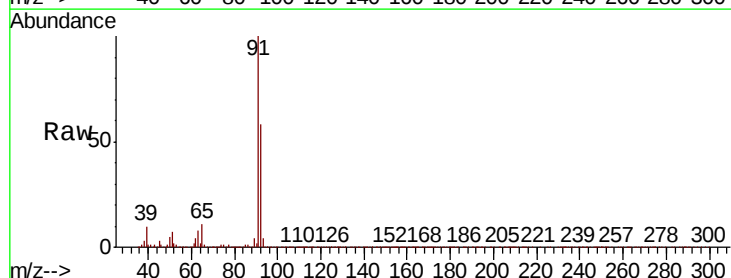
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

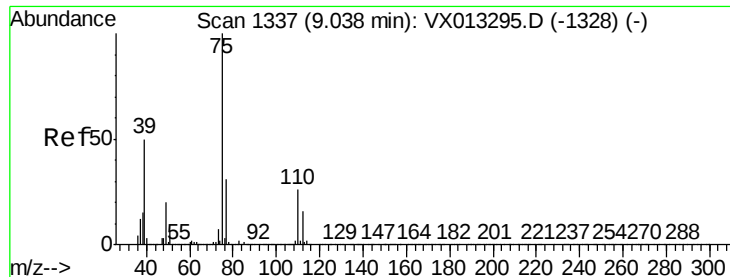
Tot Ion: 43 Resp: 1203297
Ion Ratio Lower Upper
43 100
58 39.9 31.4 47.0



#52
Toluene
Concen: 18.251 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 92 Resp: 406509
Ion Ratio Lower Upper
92 100
91 170.4 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 18.206 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

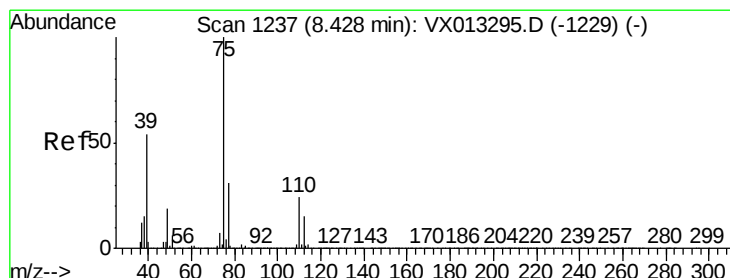
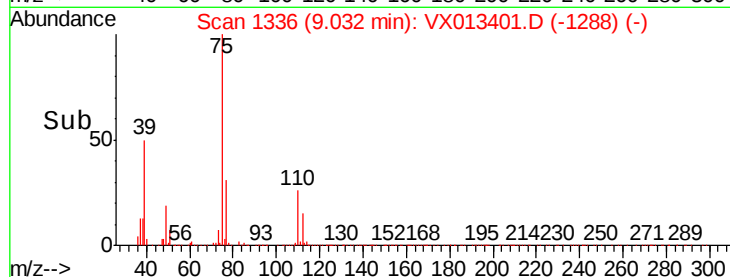
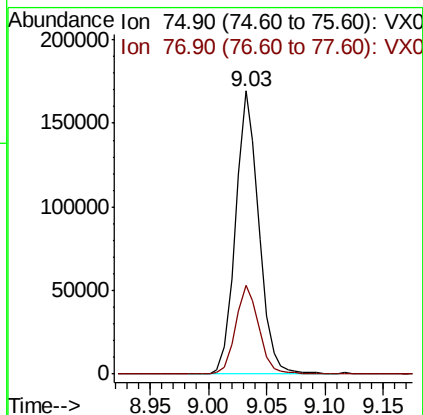
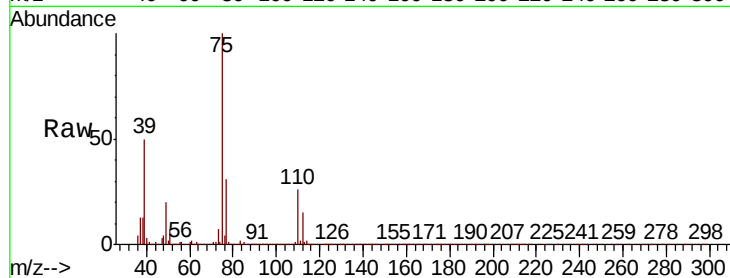
VX1113WBS02

Tot Ion: 75 Resp: 234704

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 18.336 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

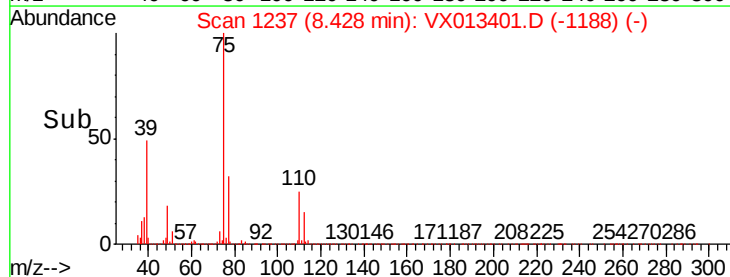
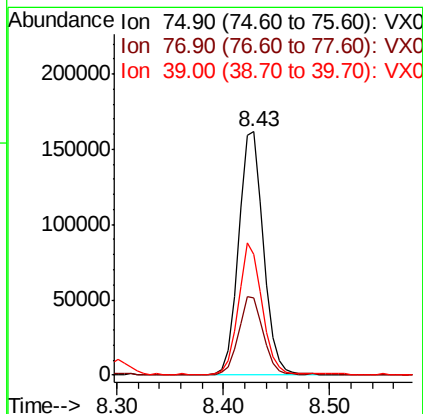
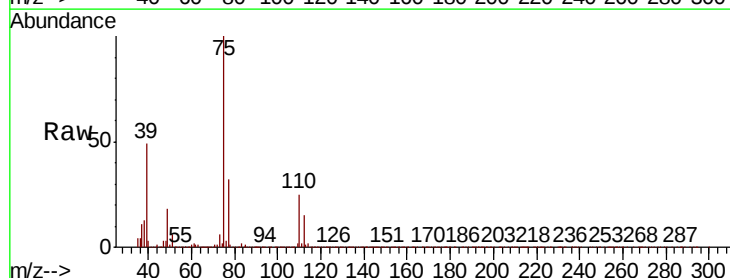
Tgt Ion: 75 Resp: 264405

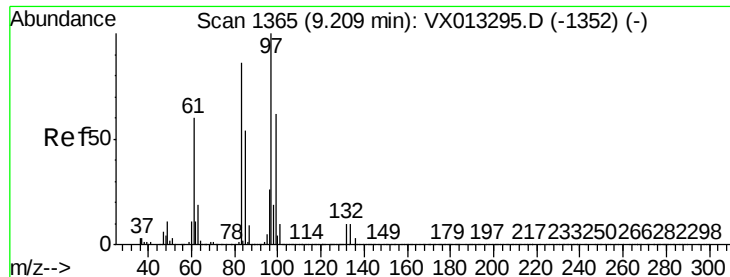
Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 49.2 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 18.261 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

Tot Ion: 97 Resp: 168590

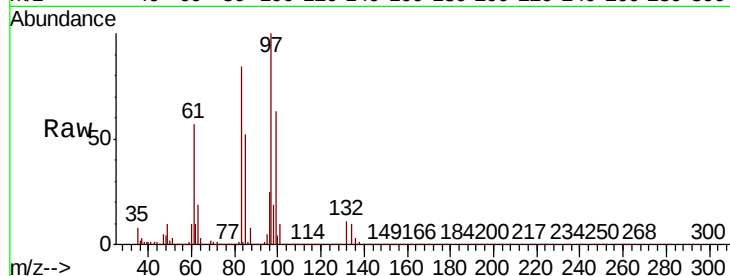
Ion Ratio Lower Upper

97 100

83 84.0 68.6 103.0

85 52.4 43.1 64.7

99 63.2 49.4 74.0

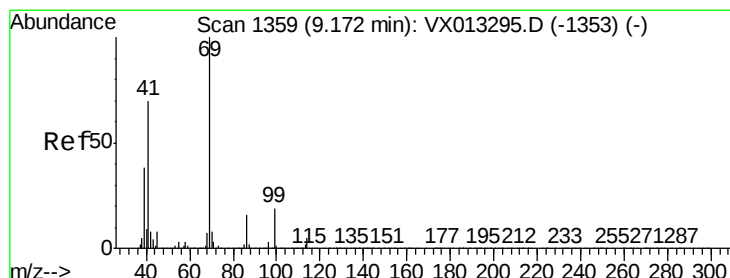
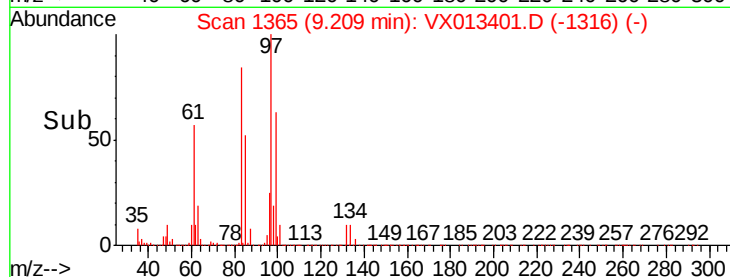
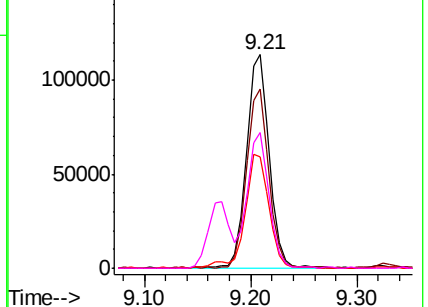


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 17.572 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

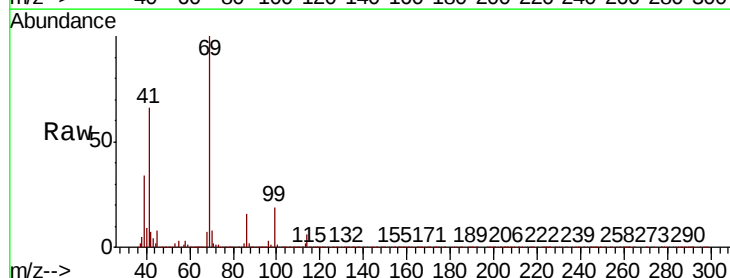
Tgt Ion: 69 Resp: 260466

Ion Ratio Lower Upper

69 100

41 68.4 56.2 84.2

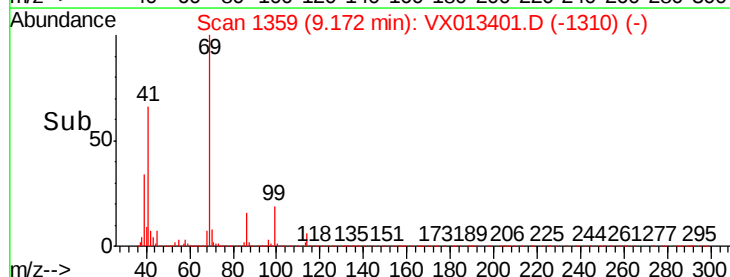
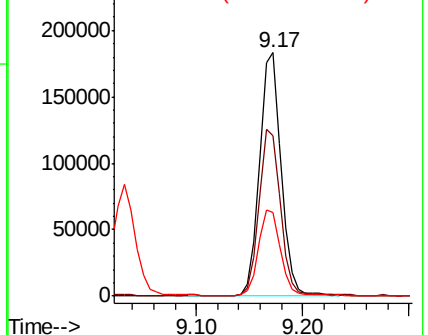
39 36.5 31.1 46.7

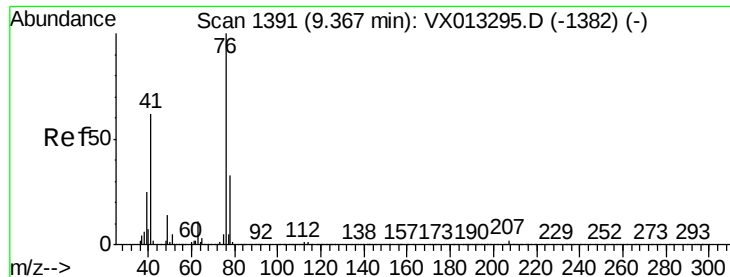


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.888 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

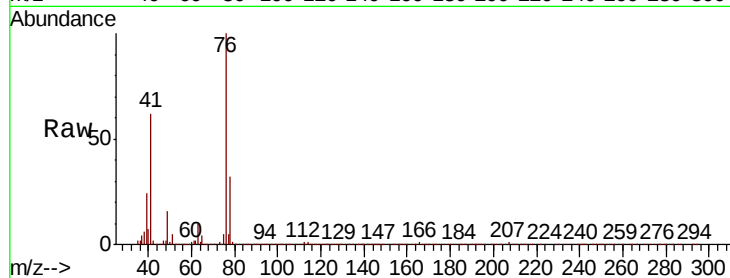
VX1113WBS02

Tot Ion: 76 Resp: 280330

Ion Ratio Lower Upper

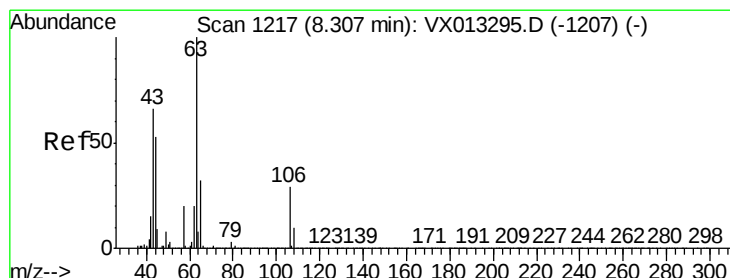
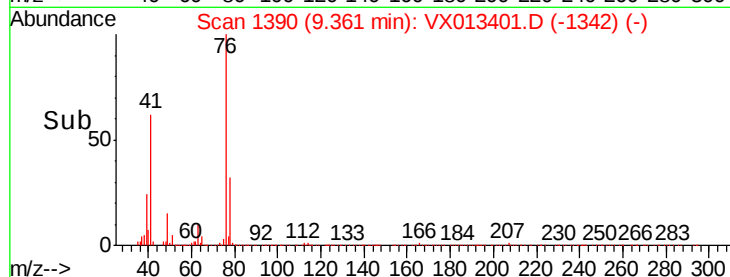
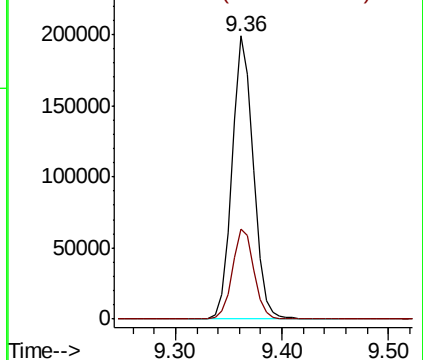
76 100

78 32.7 25.8 38.6



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: 107.832 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013401.D

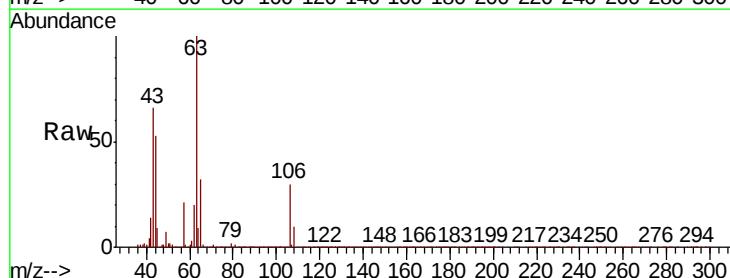
Acq: 13 Nov 2019 12:35

Tgt Ion: 63 Resp: 680684

Ion Ratio Lower Upper

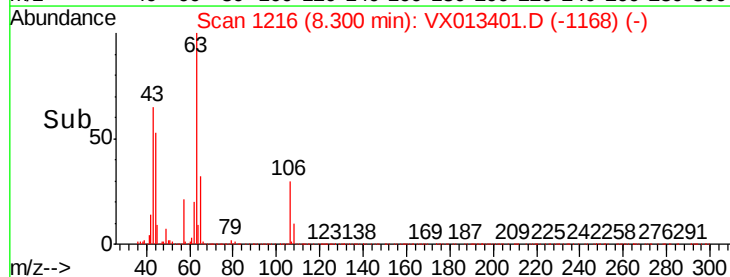
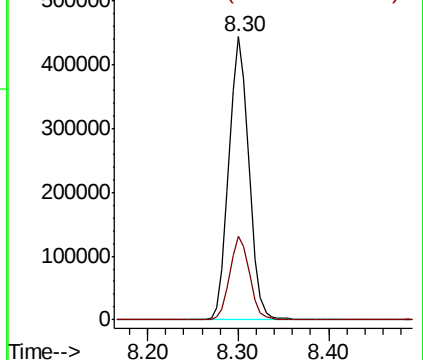
63 100

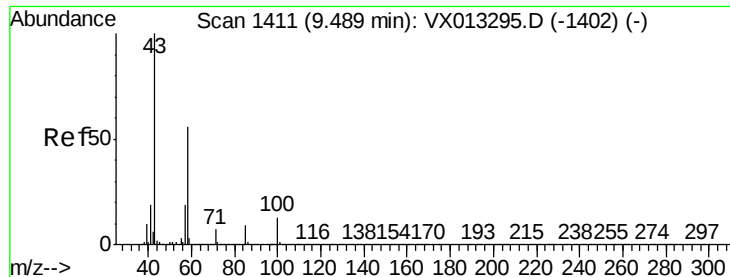
106 29.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

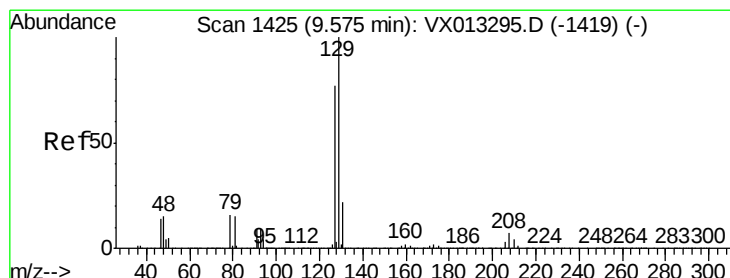
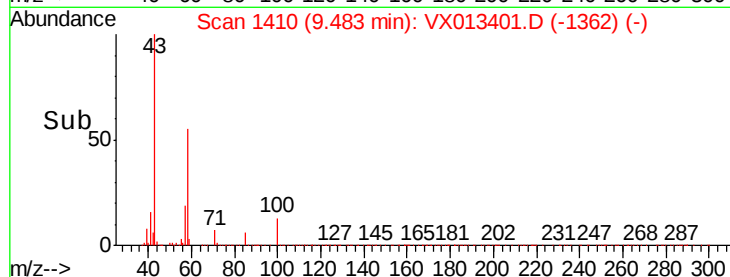
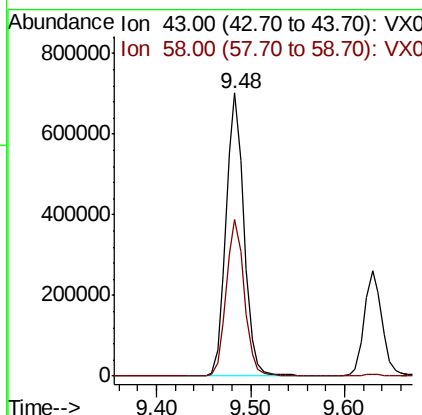
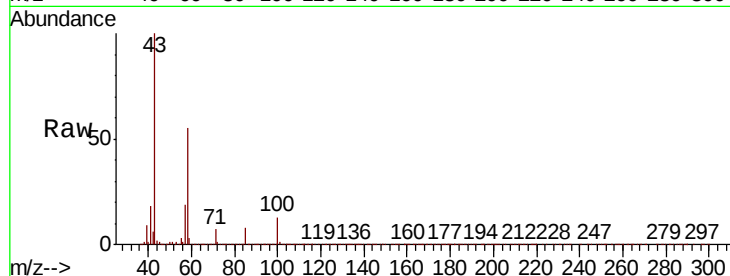




#59
2-Hexanone
Concen: 82.632 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

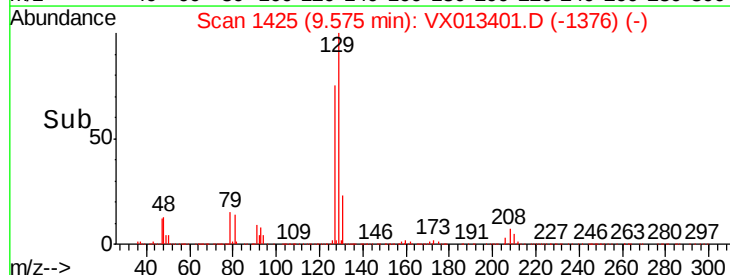
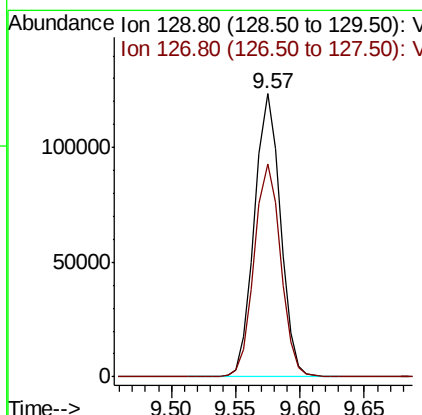
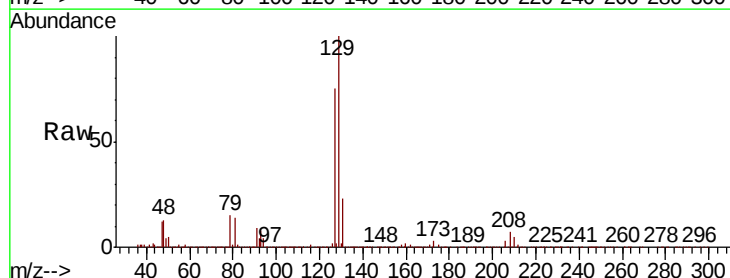
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

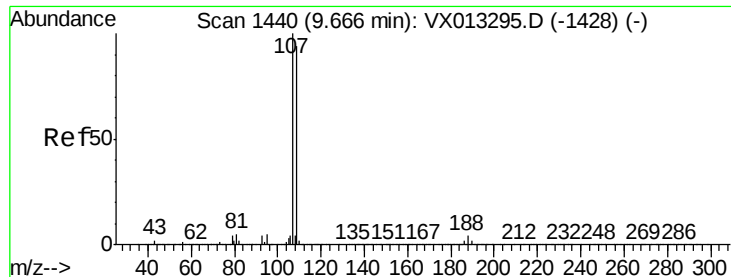
Tot Ion: 43 Resp: 930010
Ion Ratio Lower Upper
43 100
58 55.7 27.3 81.8



#60
Dibromochloromethane
Concen: 18.309 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 129 Resp: 172871
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.637 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

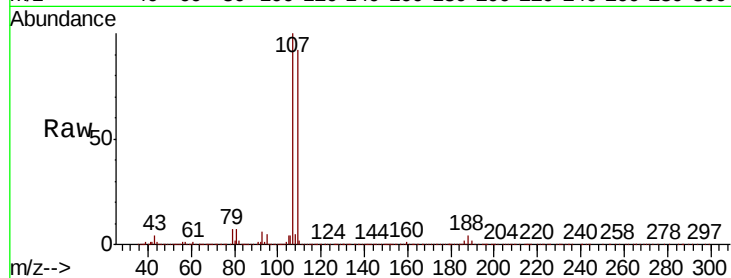
VX1113WBS02

Tot Ion:107 Resp: 172899

Ion Ratio Lower Upper

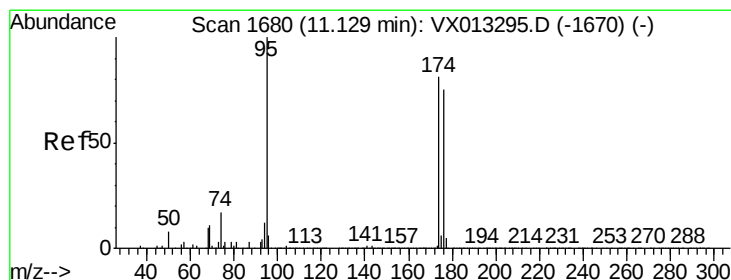
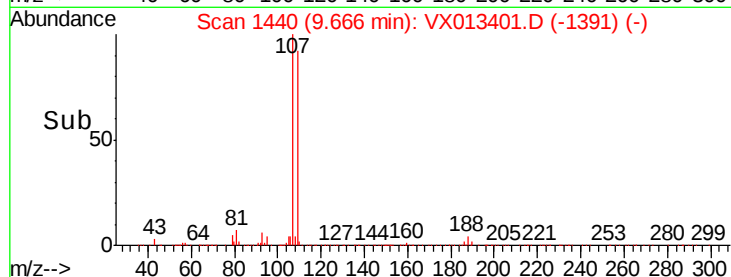
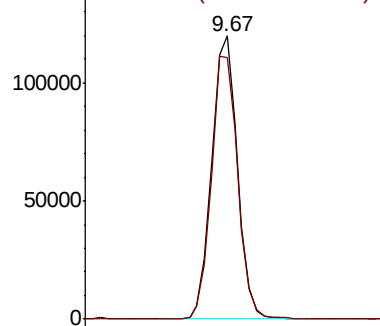
107 100

109 95.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.426 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

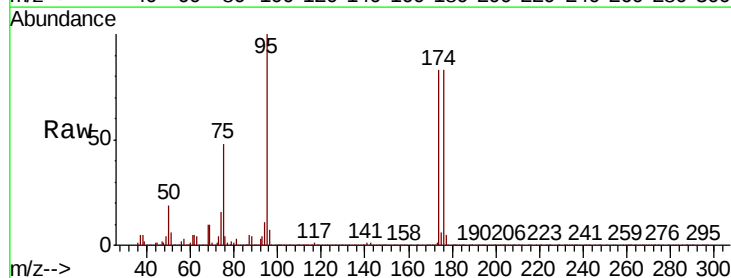
Tgt Ion: 95 Resp: 452461

Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.8

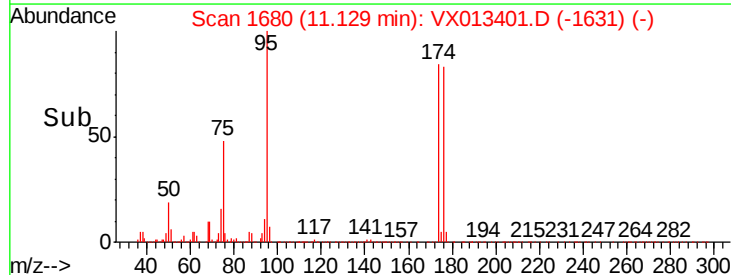
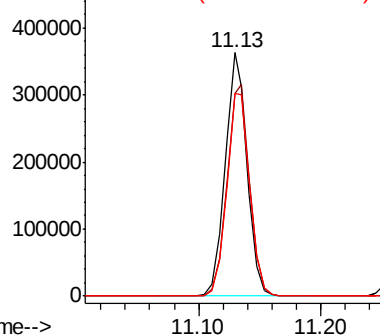
176 87.6 0.0 173.0

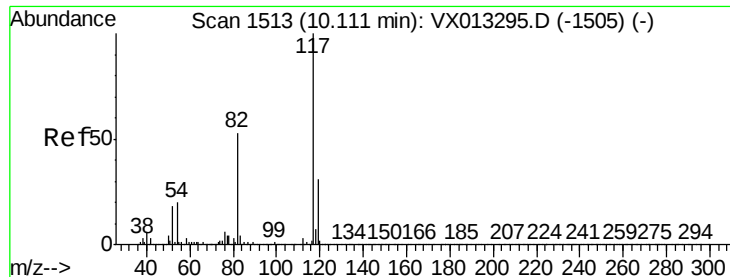


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

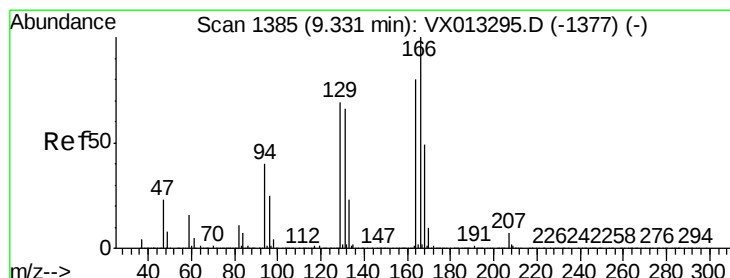
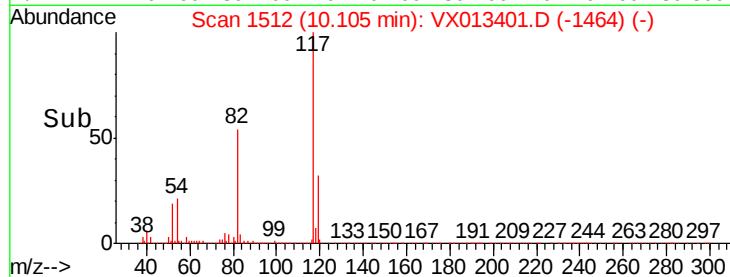
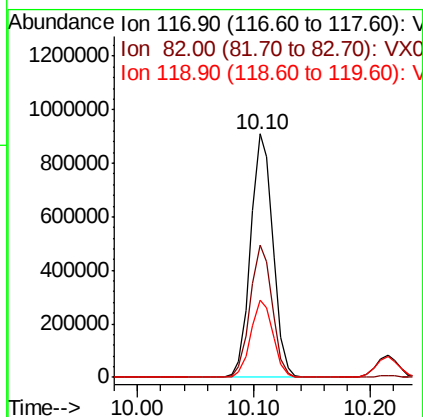
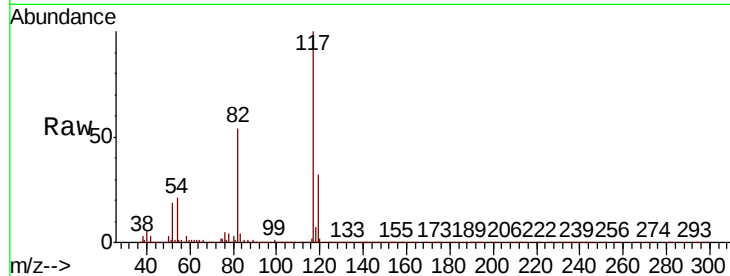




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

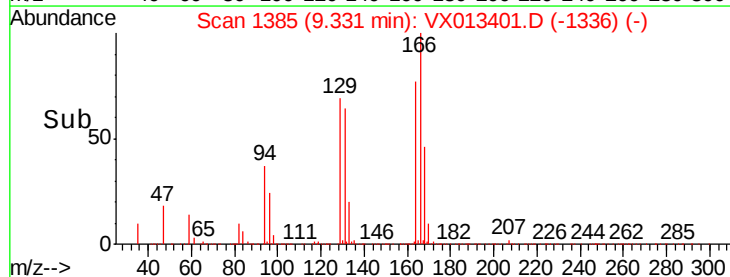
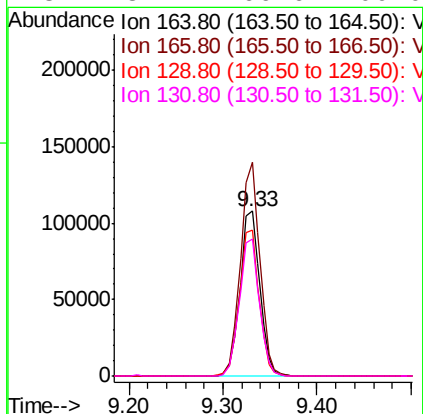
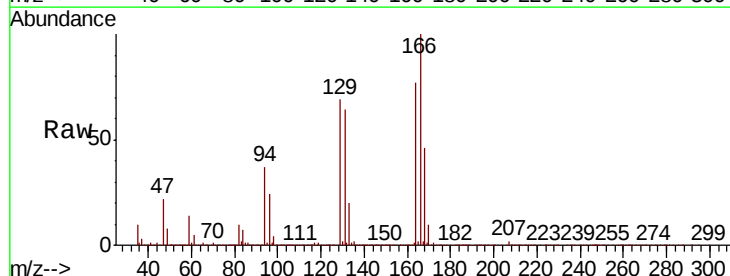
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

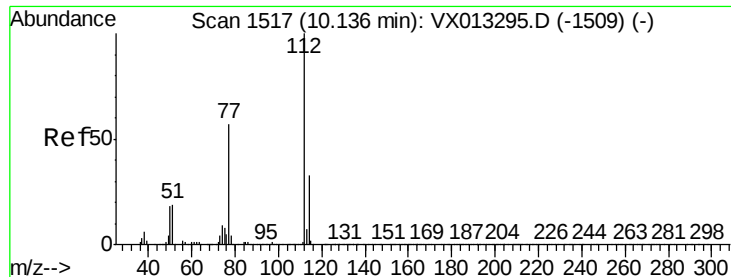
Tot Ion:117 Resp: 1215820
Ion Ratio Lower Upper
117 100
82 54.4 42.6 64.0
119 31.9 24.8 37.2



#64
Tetrachloroethene
Concen: 18.233 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion:164 Resp: 158693
Ion Ratio Lower Upper
164 100
166 129.5 100.4 150.6
129 88.7 69.4 104.2
131 82.7 66.6 100.0





#65

Chlorobenzene

Concen: 17.799 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

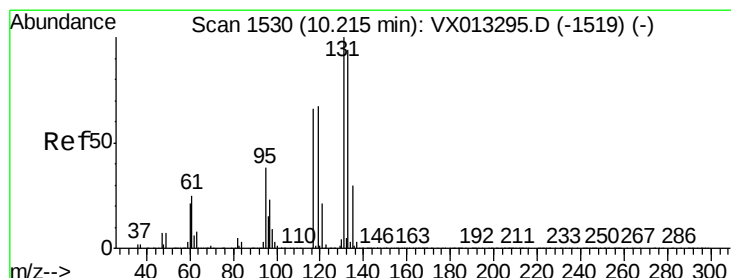
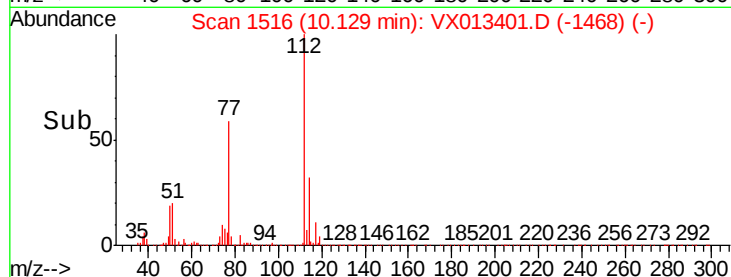
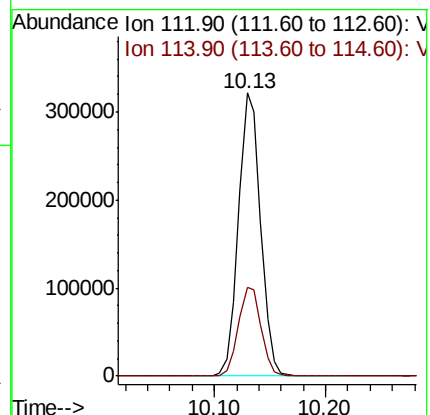
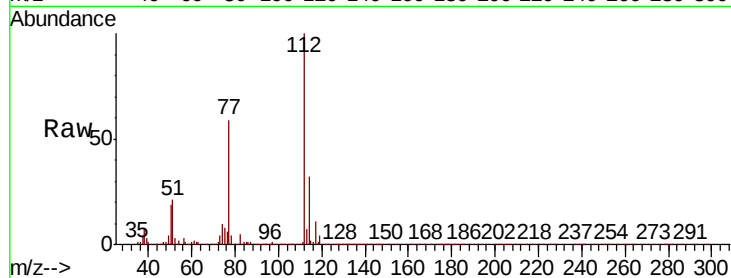
VX1113WBS02

Tot Ion:112 Resp: 438124

Ion Ratio Lower Upper

112 100

114 31.5 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 17.844 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

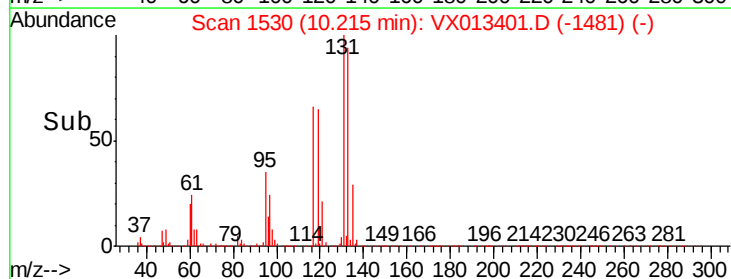
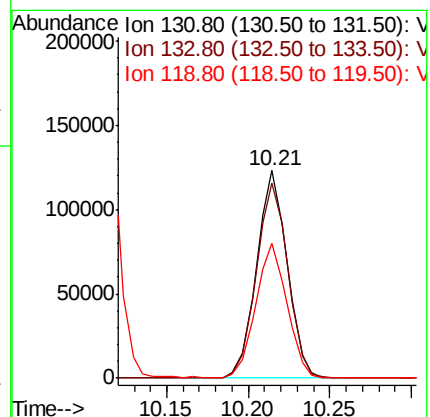
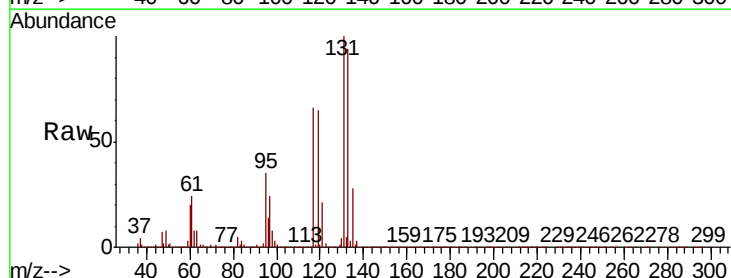
Tgt Ion:131 Resp: 161271

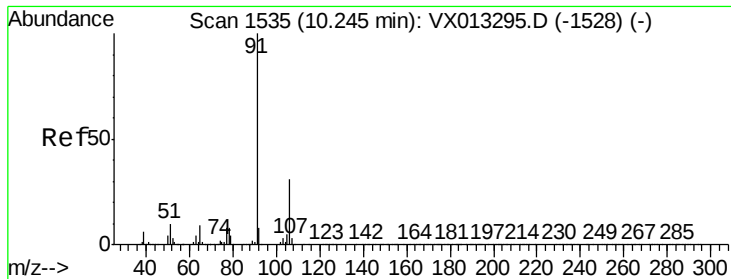
Ion Ratio Lower Upper

131 100

133 96.7 48.0 144.0

119 65.9 33.0 99.0





#67

Ethyl Benzene

Concen: 18.155 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

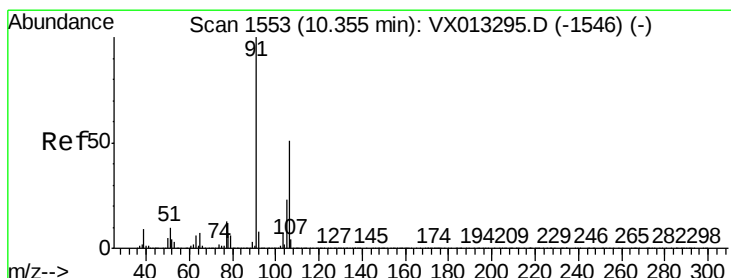
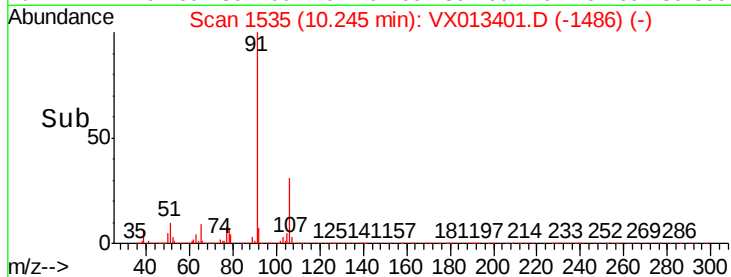
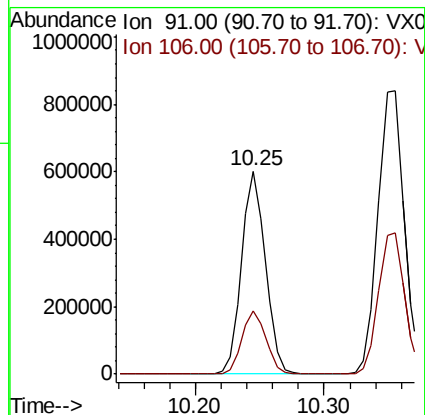
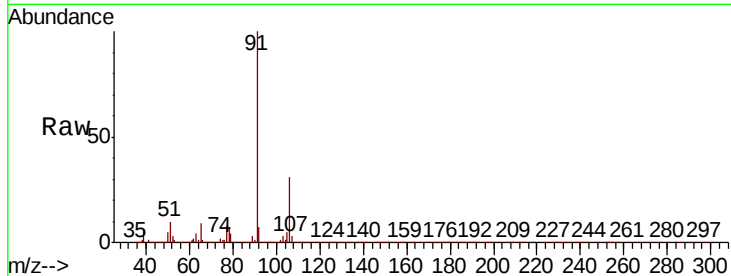
VX1113WBS02

Tot Ion: 91 Resp: 771267

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 36.504 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013401.D

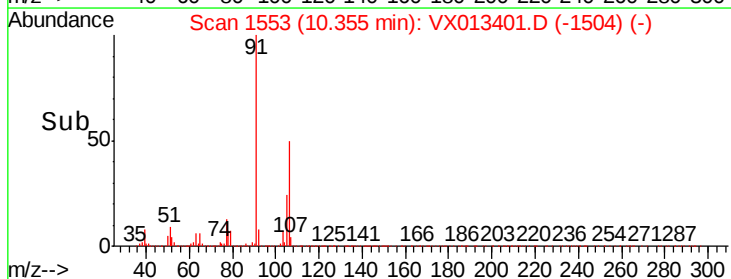
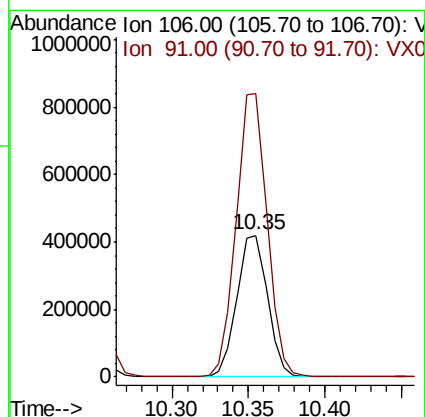
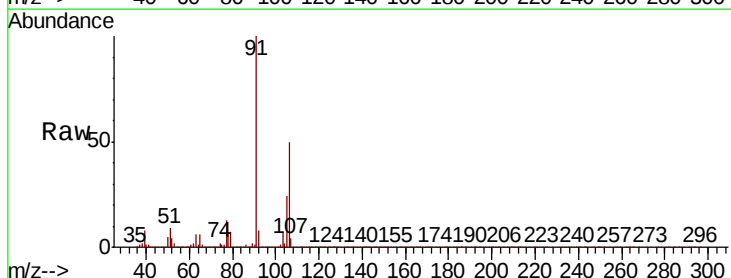
Acq: 13 Nov 2019 12:35

Tgt Ion: 106 Resp: 586498

Ion Ratio Lower Upper

106 100

91 201.1 159.3 238.9

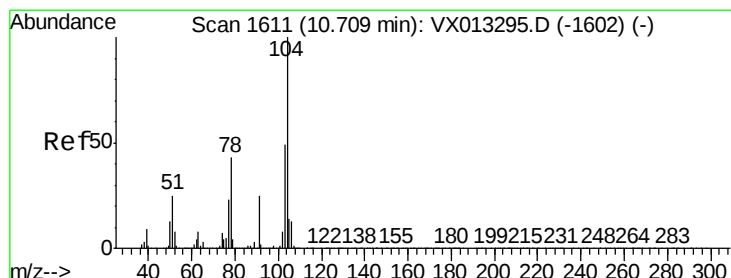
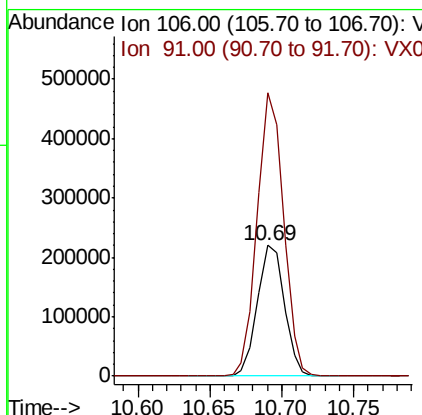
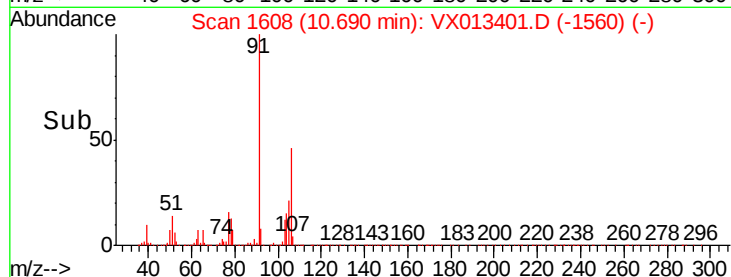
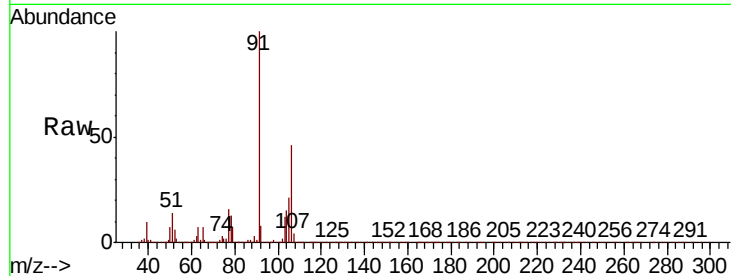




#69
o-Xylene
Concen: 18.160 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

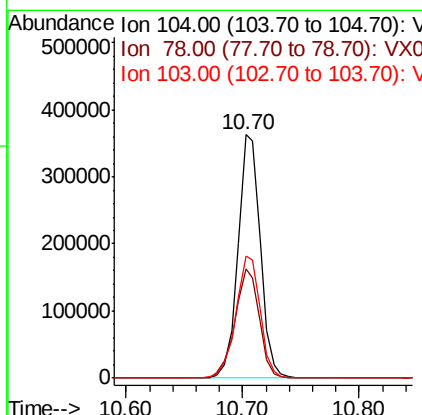
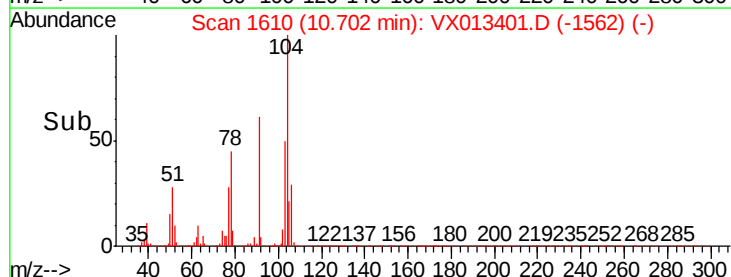
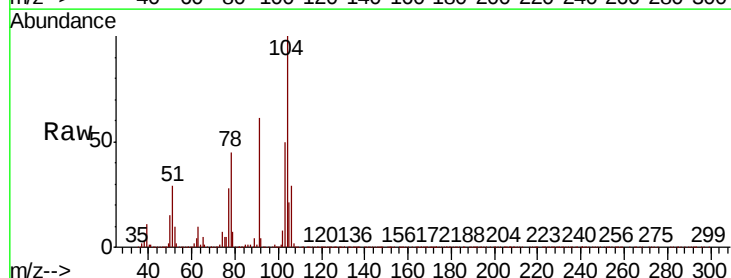
Instrument :
MSVOA_X
ClientSampled :
VX1113WBS02

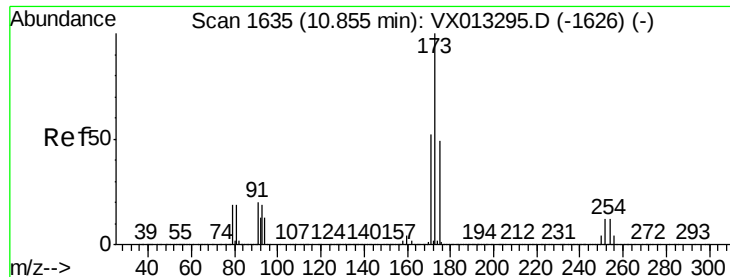
Tot Ion:106 Resp: 285645
Ion Ratio Lower Upper
106 100
91 211.5 105.7 317.0



#70
Styrene
Concen: 18.401 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion:104 Resp: 483835
Ion Ratio Lower Upper
104 100
78 48.6 40.0 60.0
103 54.8 44.1 66.1





#71

Bromoform

Concen: 17.693 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

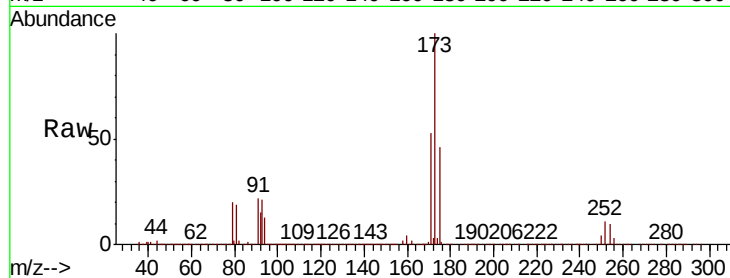
Tot Ion:173 Resp: 129738

Ion Ratio Lower Upper

173 100

175 47.9 24.8 74.4

254 0.3 0.2 0.2#

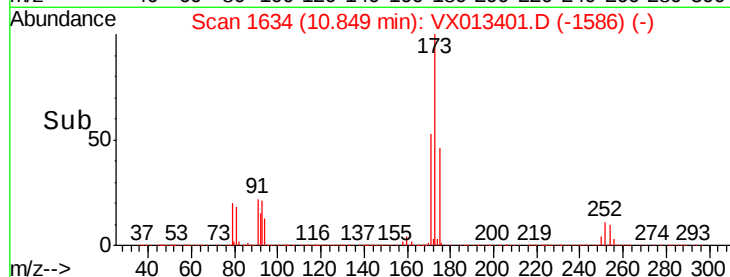


Abundance Ion 172.70 (172.40 to 173.40): V

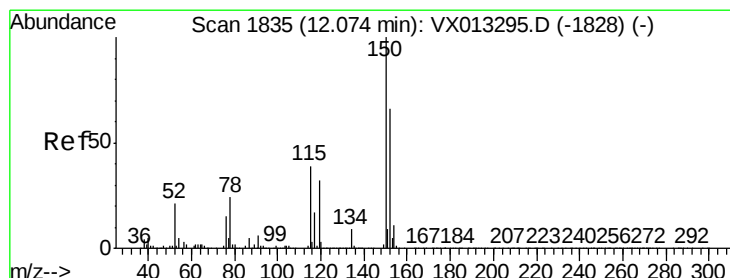
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.85



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

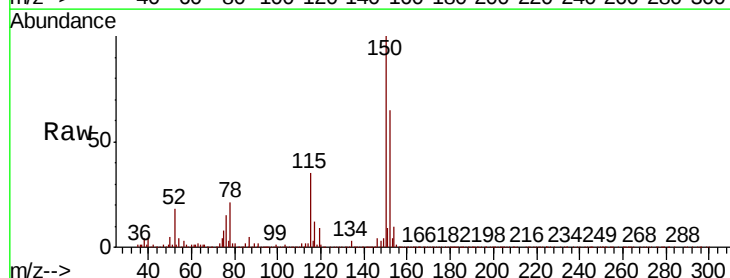
Tgt Ion:152 Resp: 608730

Ion Ratio Lower Upper

152 100

115 62.8 39.5 118.3

150 162.0 0.0 344.4

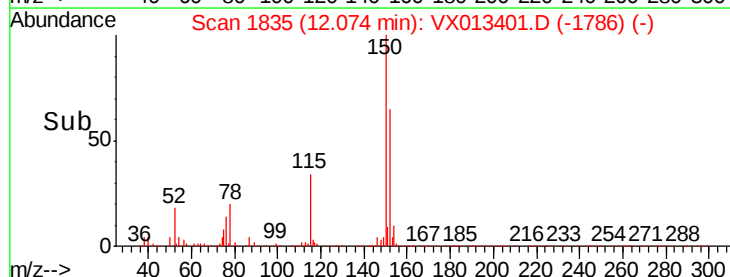


Abundance Ion 151.90 (151.60 to 152.60): V

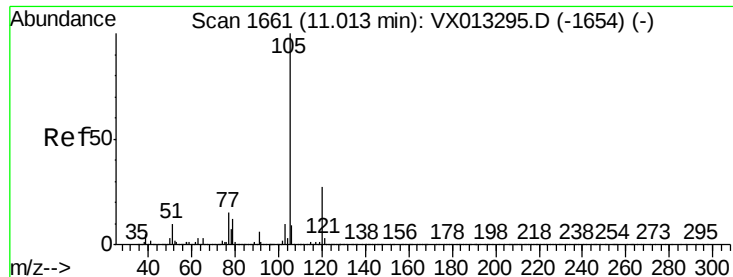
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.07



Time-->



#73

Isopropylbenzene

Concen: 19.008 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

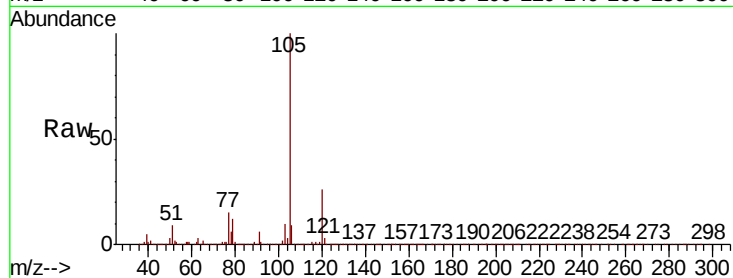
VX1113WBS02

Tot Ion:105 Resp: 767172

Ion Ratio Lower Upper

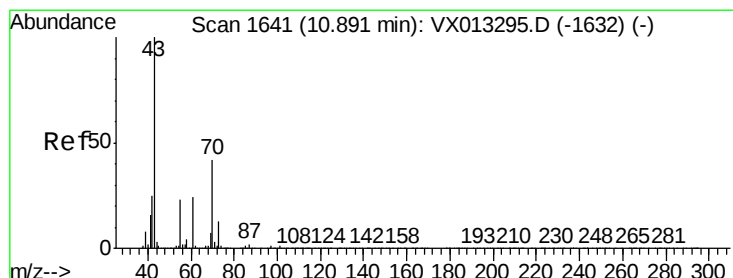
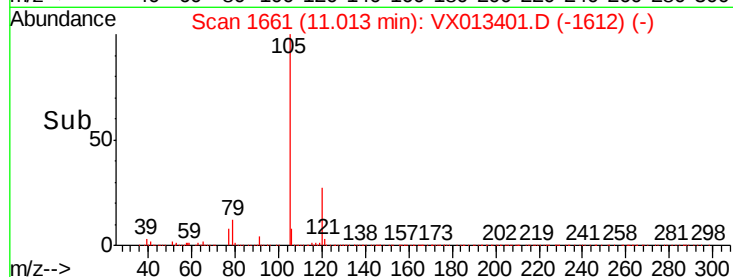
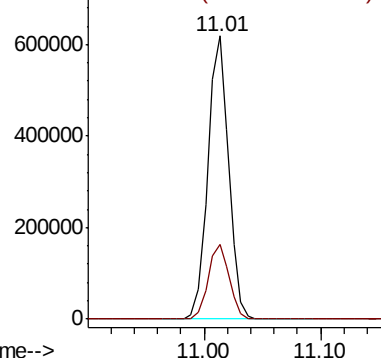
105 100

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: 17.857 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Tgt Ion: 43 Resp: 334209

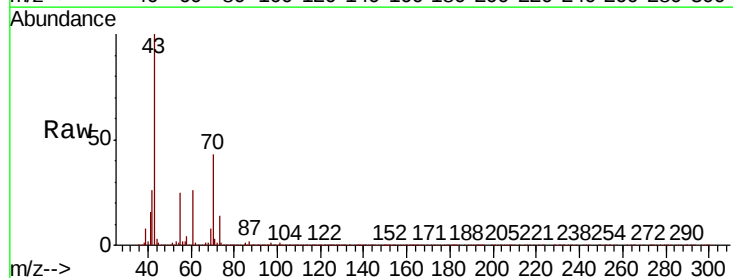
Ion Ratio Lower Upper

43 100

70 43.2 34.1 51.1

55 24.5 18.9 28.3

61 24.8 19.2 28.8

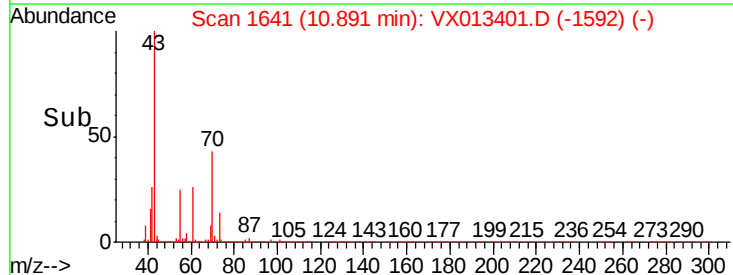
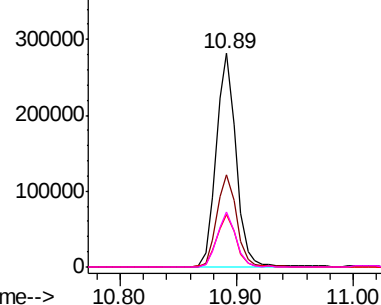


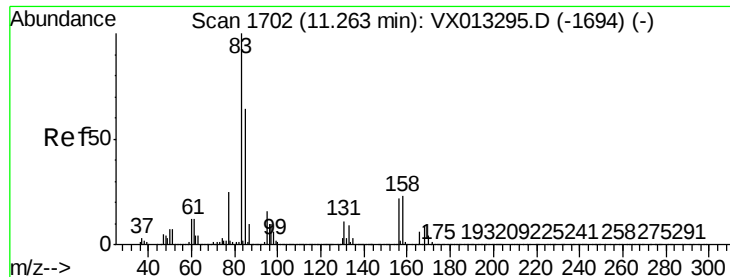
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 17.706 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

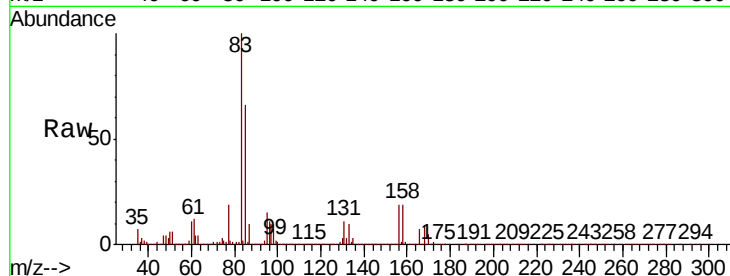
Tot Ion: 83 Resp: 260701

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

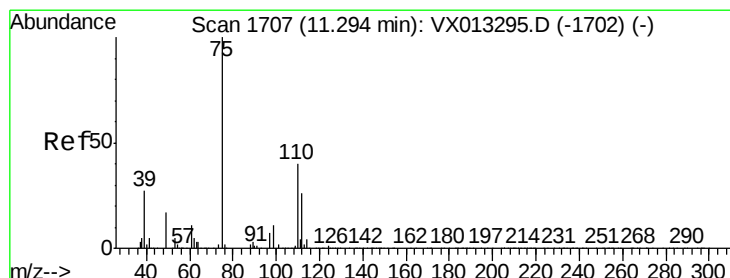
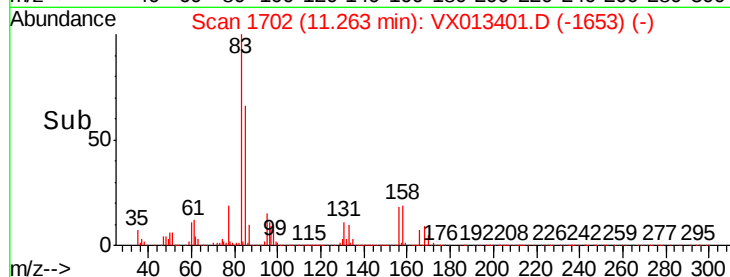
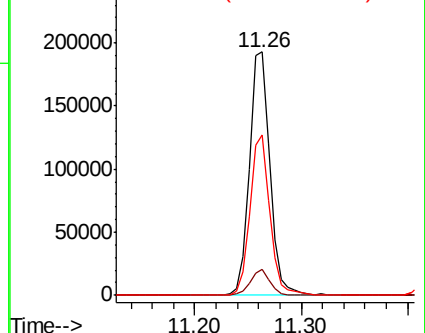
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.487 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013401.D

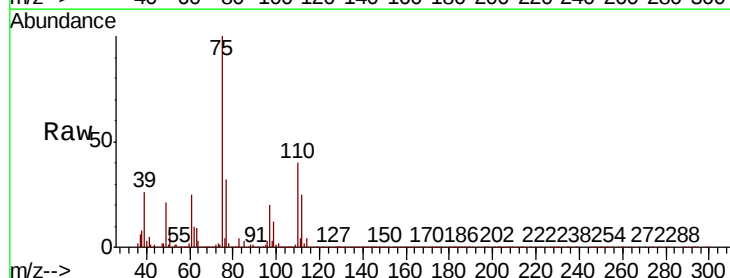
Acq: 13 Nov 2019 12:35

Tgt Ion: 75 Resp: 290400

Ion Ratio Lower Upper

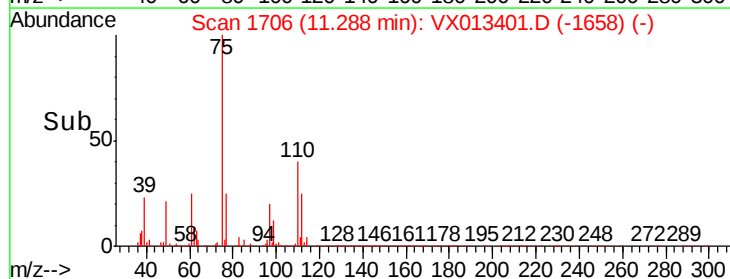
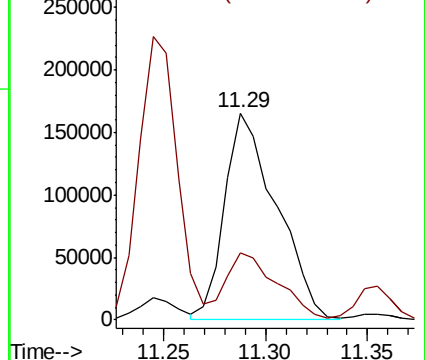
75 100

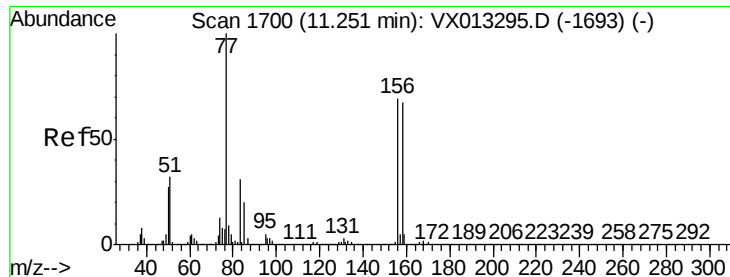
77 32.3 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.384 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

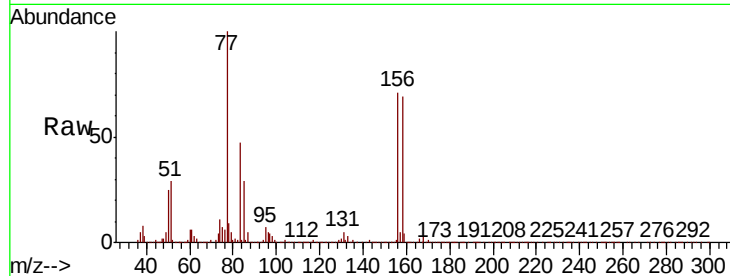
Tot Ion:156 Resp: 197796

Ion Ratio Lower Upper

156 100

77 149.6 75.8 227.4

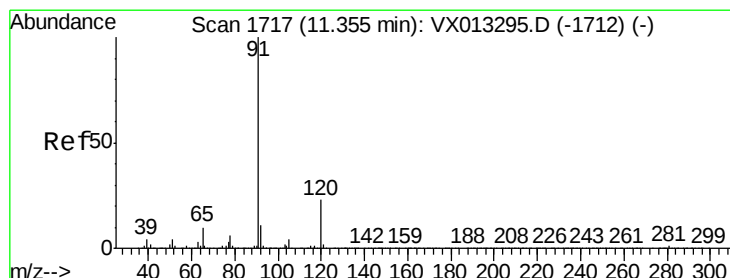
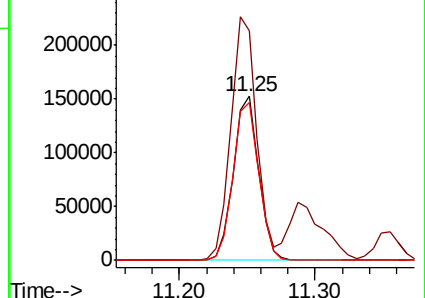
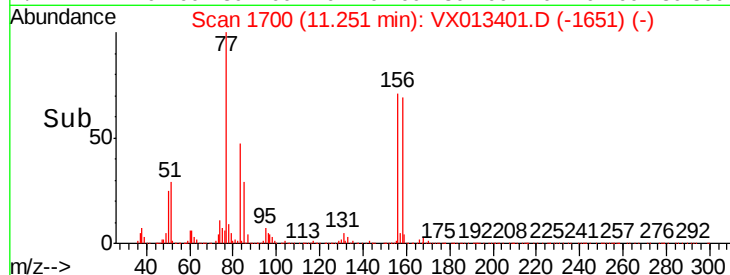
158 98.0 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.356 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013401.D

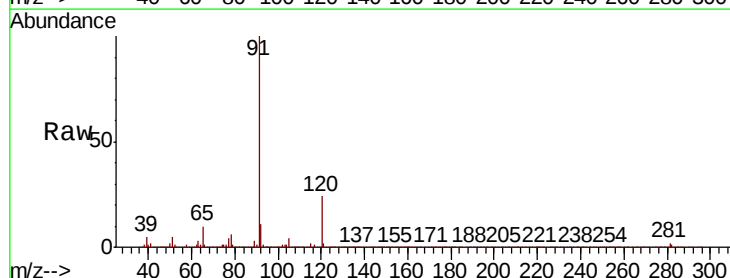
Acq: 13 Nov 2019 12:35

Tgt Ion: 91 Resp: 870198

Ion Ratio Lower Upper

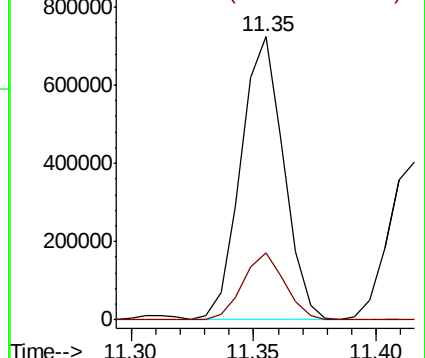
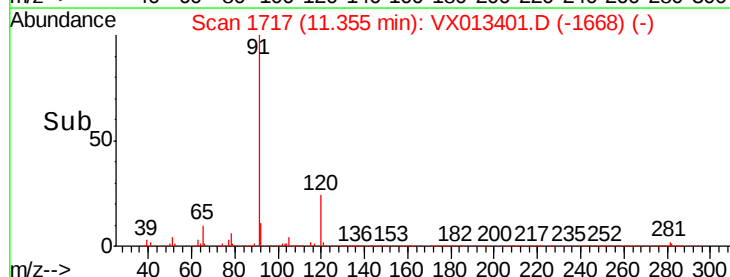
91 100

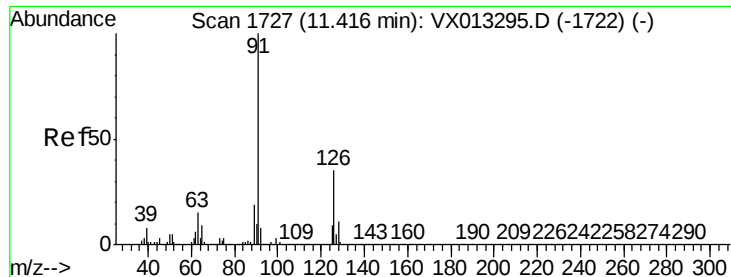
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

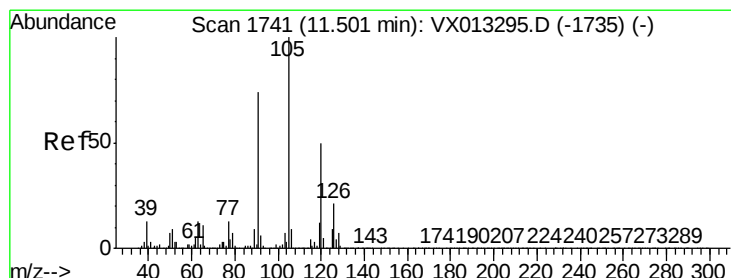
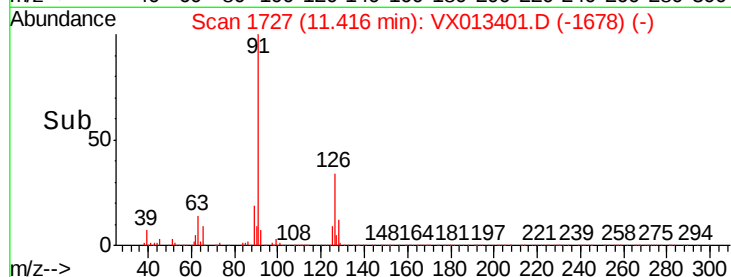
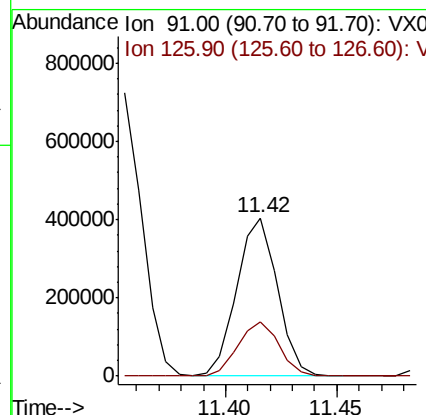
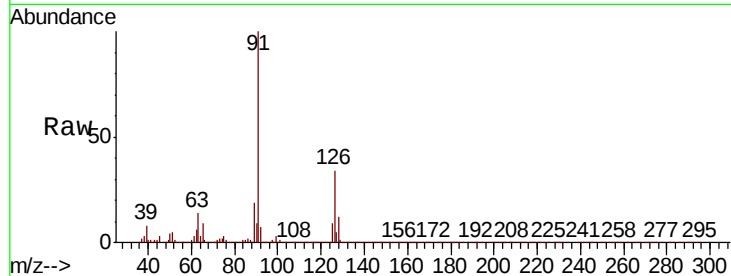




#79
2-Chlorotoluene
Concen: 18.888 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

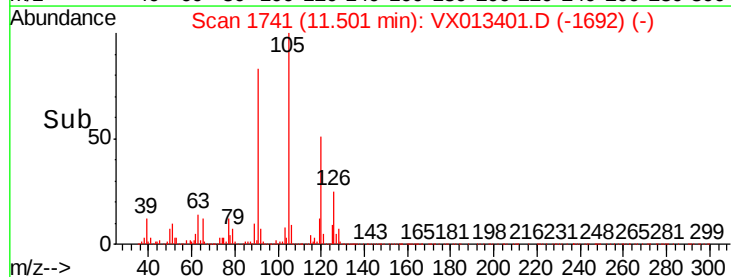
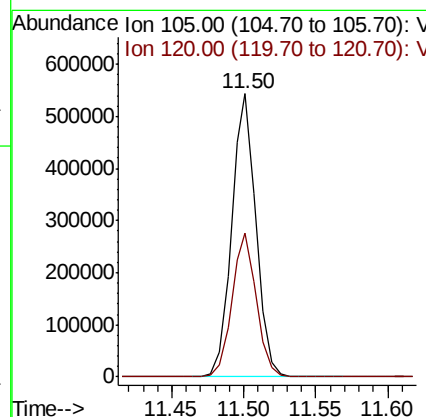
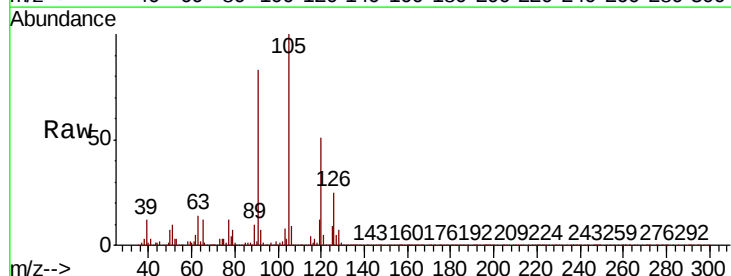
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

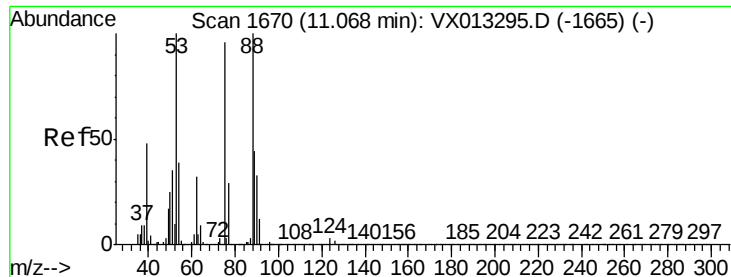
Tot Ion: 91 Resp: 511637
Ion Ratio Lower Upper
91 100
126 34.8 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 19.064 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 105 Resp: 640884
Ion Ratio Lower Upper
105 100
120 51.0 24.9 74.8

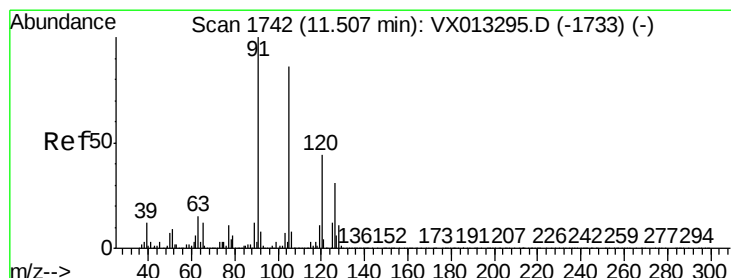
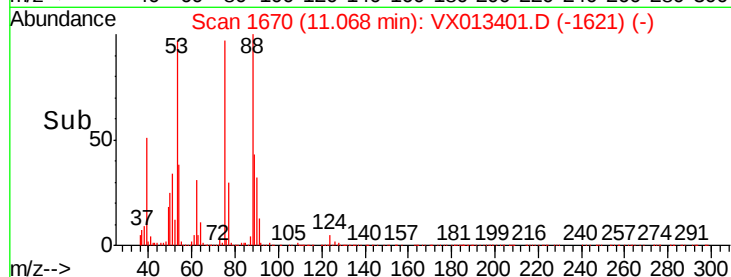
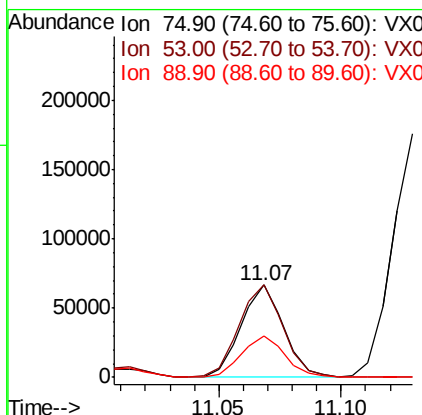
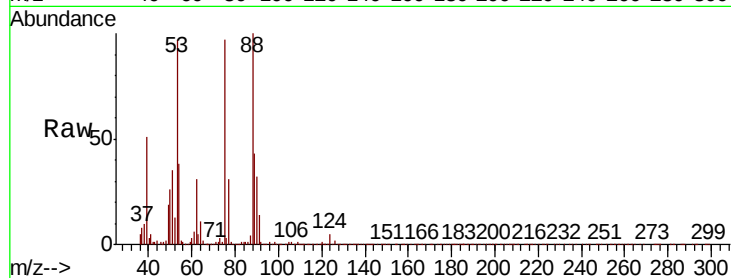




#81
trans-1,4-Dichloro-2-butene
Concen: 16.553 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

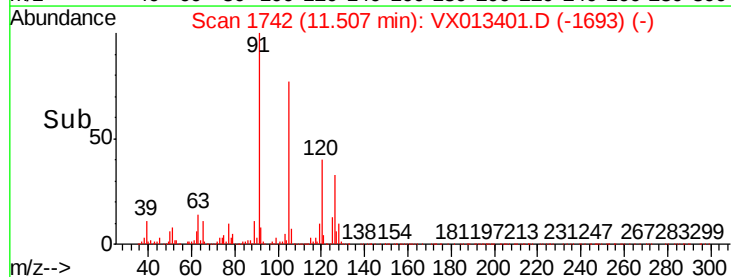
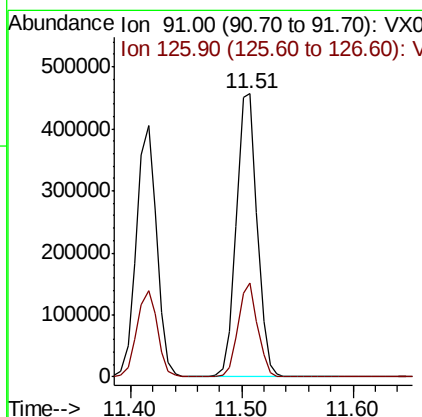
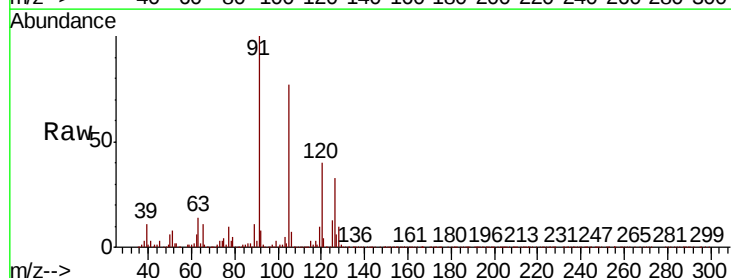
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

Tot Ion: 75 Resp: 79512
Ion Ratio Lower Upper
75 100
53 103.8 81.0 121.6
89 47.8 36.0 54.0



#82
4-Chlorotoluene
Concen: 18.658 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 91 Resp: 591611
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.8





#83

tert-Butylbenzene

Concen: 18.925 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

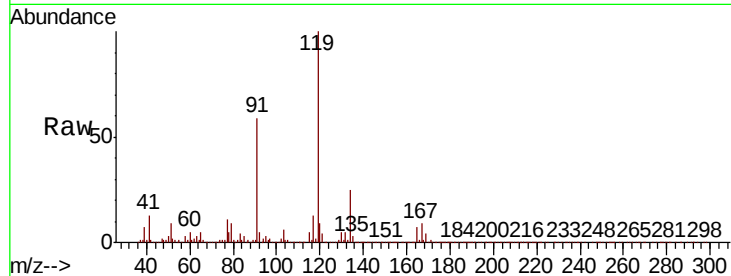
Tot Ion:119 Resp: 640454

Ion Ratio Lower Upper

119 100

91 54.7 26.9 80.7

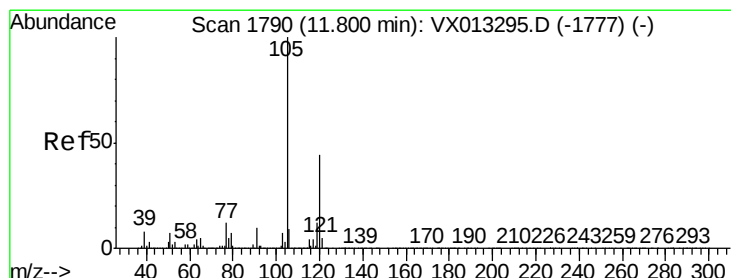
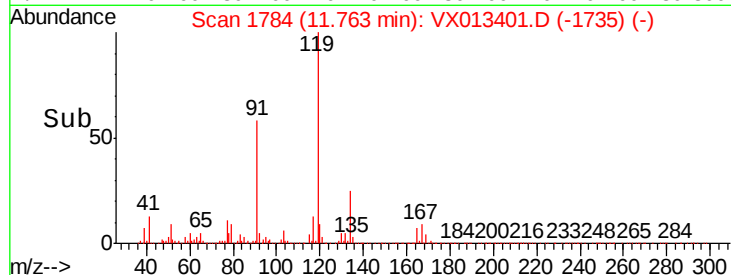
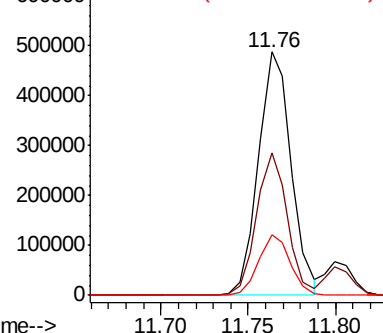
134 23.9 11.7 35.1



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: 19.097 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013401.D

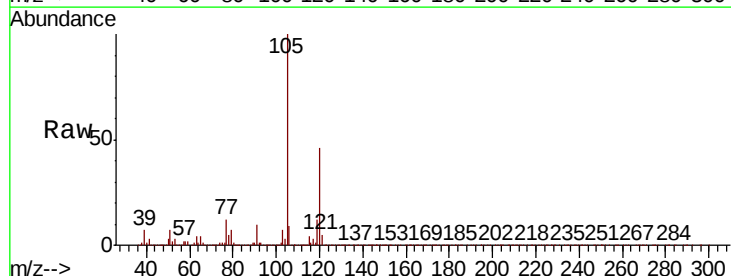
Acq: 13 Nov 2019 12:35

Tgt Ion:105 Resp: 644024

Ion Ratio Lower Upper

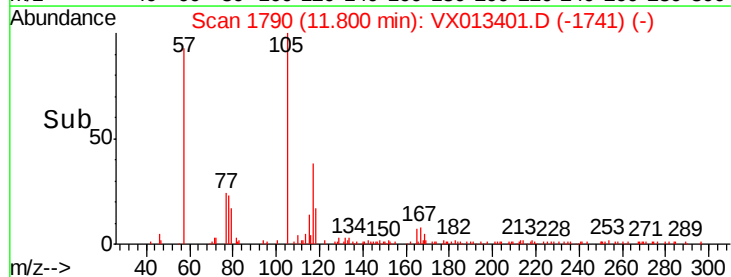
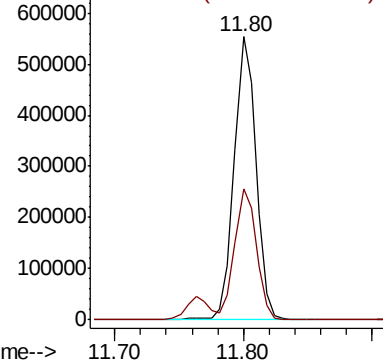
105 100

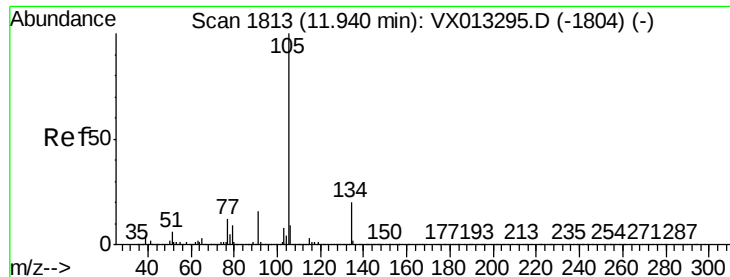
120 46.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

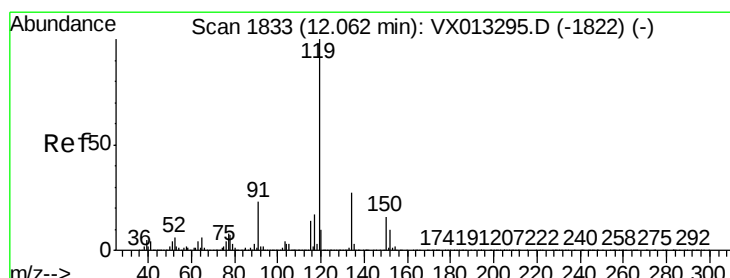
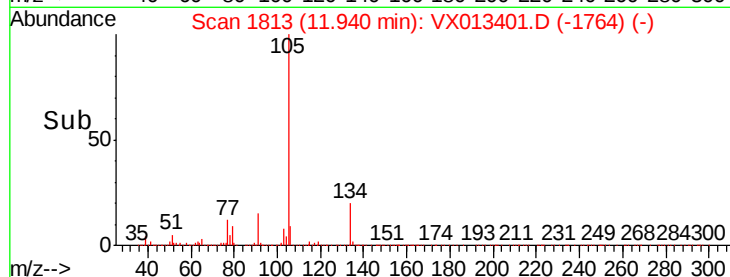
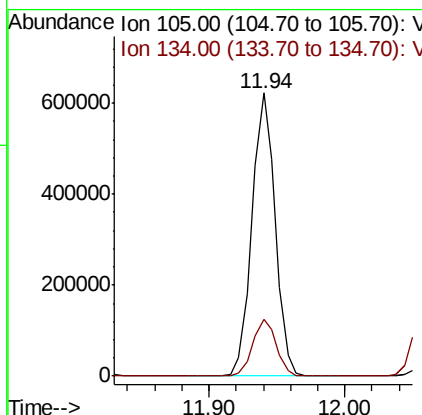
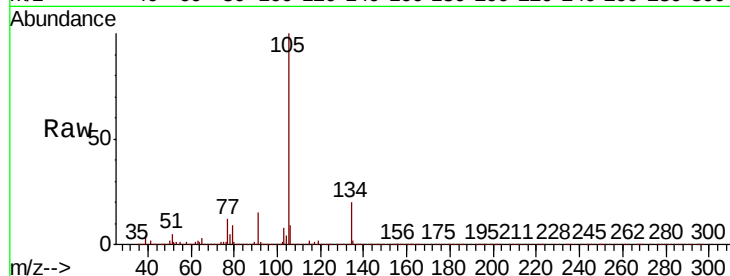




#85
 sec-Butylbenzene
 Concen: 19.196 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

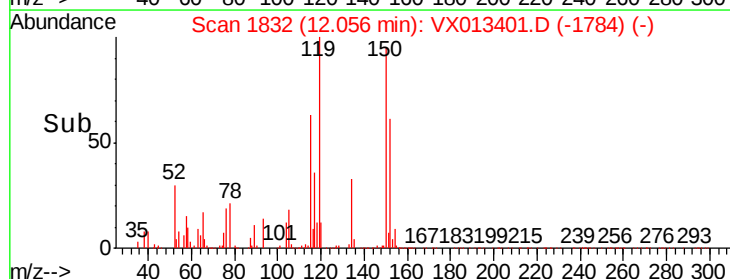
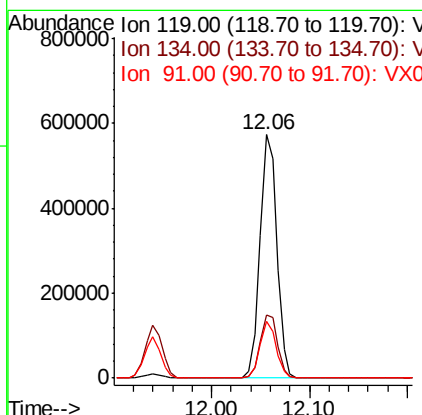
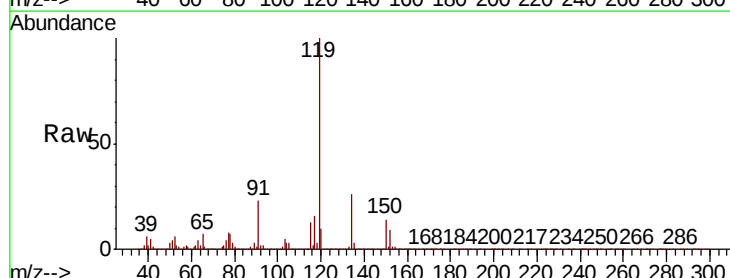
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

Tot Ion:105 Resp: 746573
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 19.301 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion:119 Resp: 691239
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 22.4 11.5 34.4

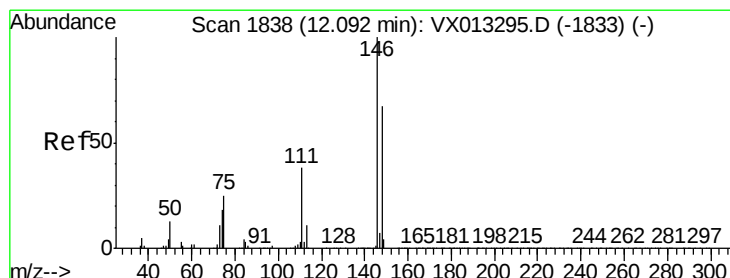
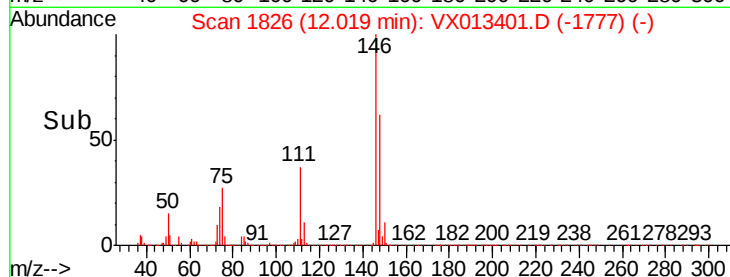
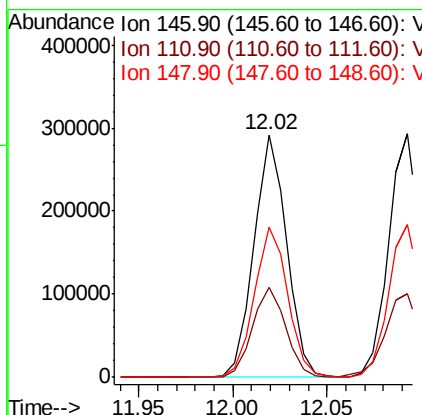
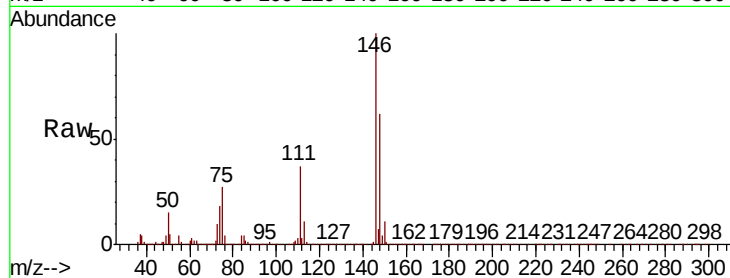




#87
 1,3-Dichlorobenzene
 Concen: 18.368 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

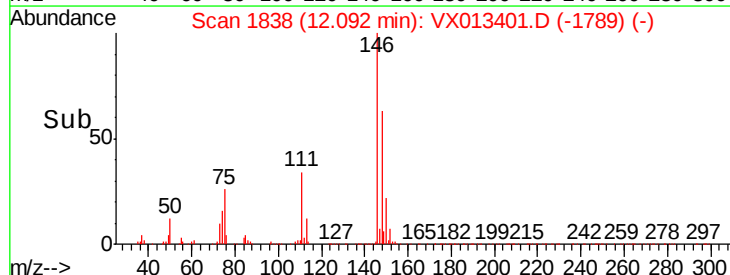
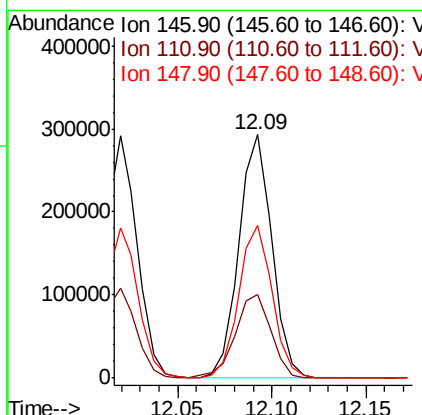
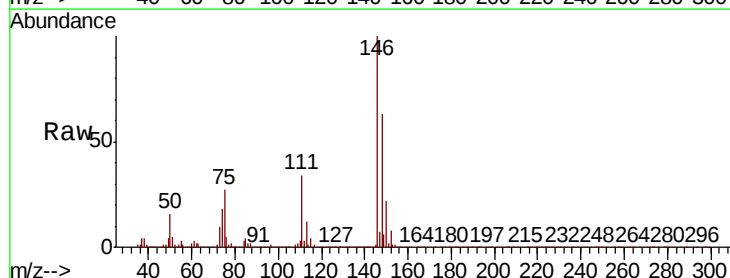
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

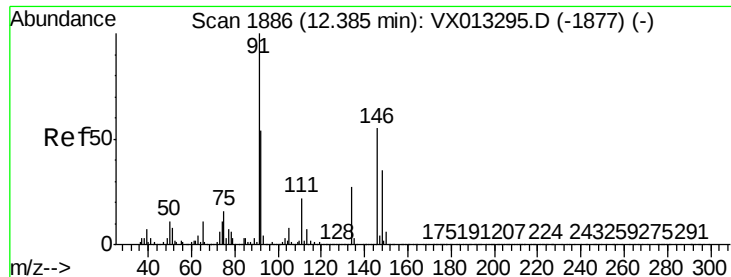
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	63.0	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 18.181 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	63.8	32.4	97.0

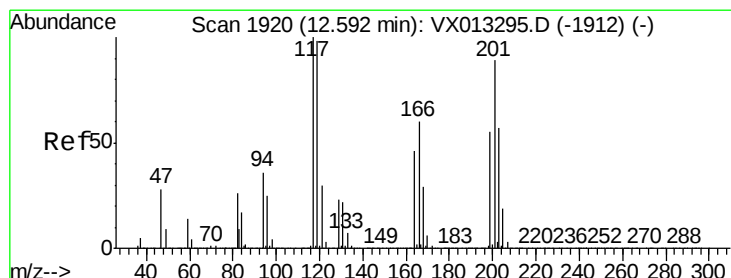
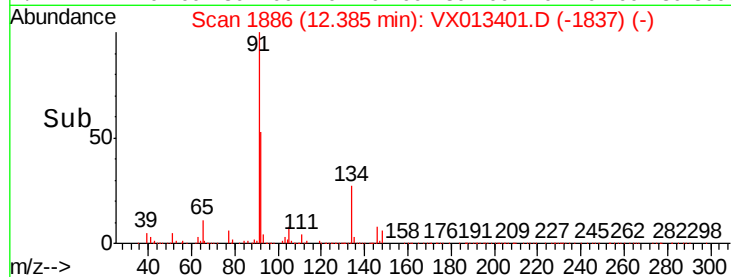
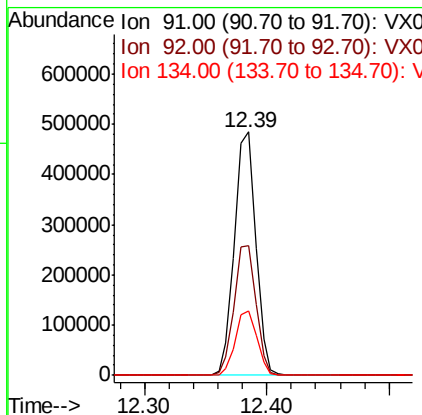
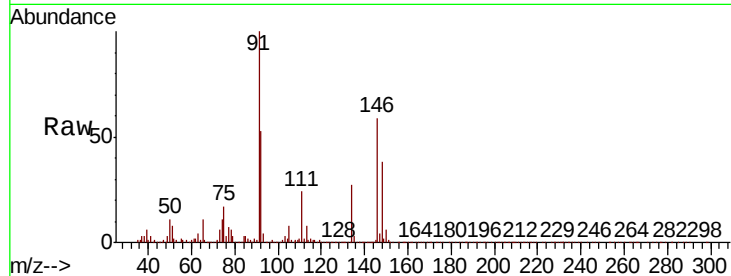




#89
n-Butylbenzene
Concen: 18.680 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

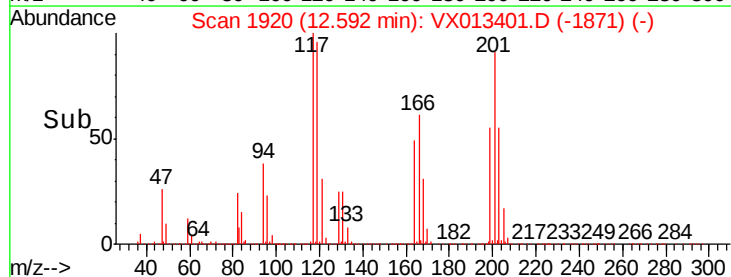
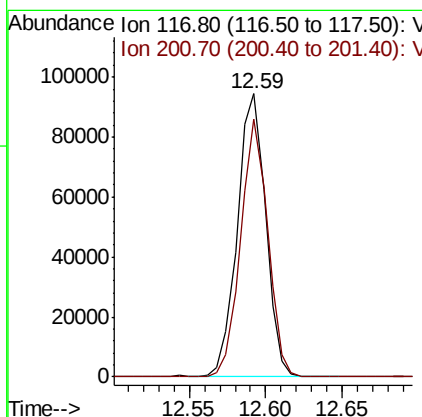
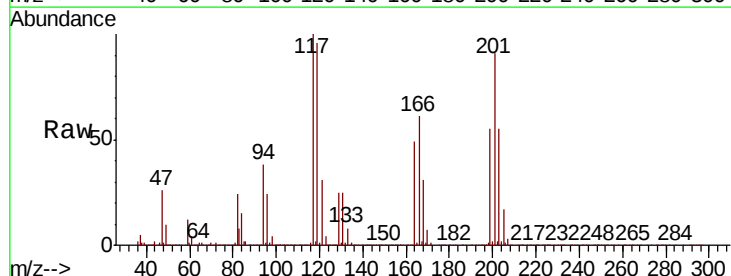
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

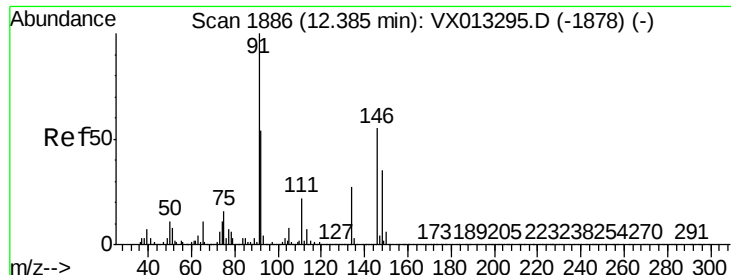
Tot Ion: 91 Resp: 583736
Ion Ratio Lower Upper
91 100
92 54.3 27.3 81.8
134 27.1 13.5 40.5



#90
Hexachloroethane
Concen: 18.966 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion: 117 Resp: 121021
Ion Ratio Lower Upper
117 100
201 87.5 43.9 131.7





#91

1,2-Dichlorobenzene

Concen: 18.257 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS02

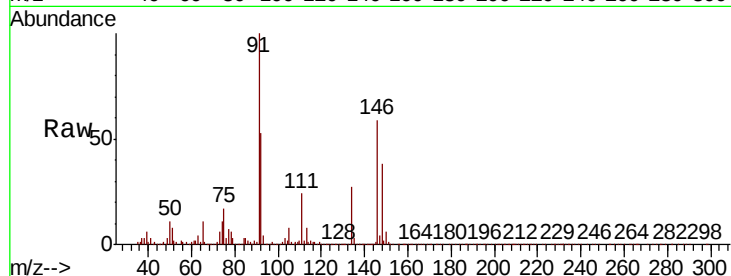
Tot Ion:146 Resp: 349998

Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.2

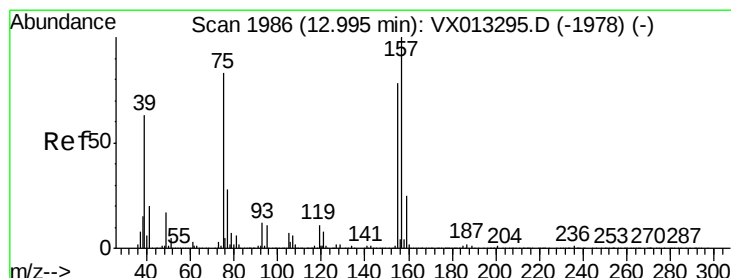
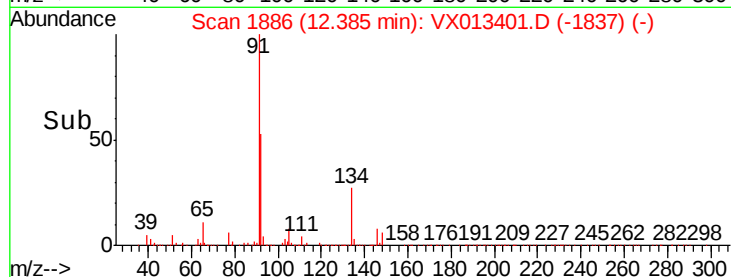
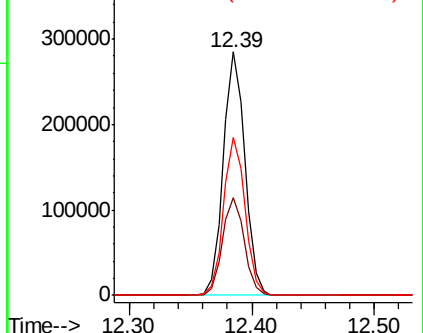
148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.480 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013401.D

Acq: 13 Nov 2019 12:35

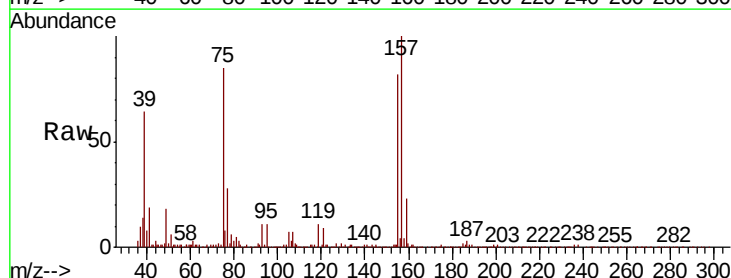
Tgt Ion: 75 Resp: 51943

Ion Ratio Lower Upper

75 100

155 100.4 47.1 141.4

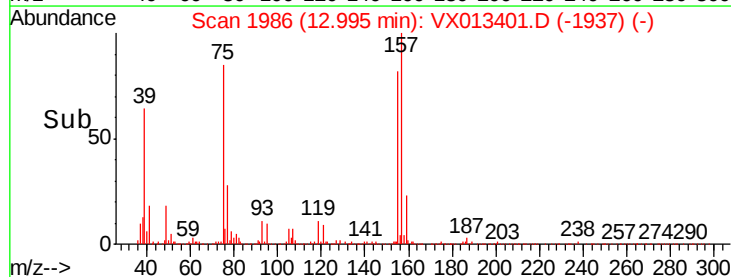
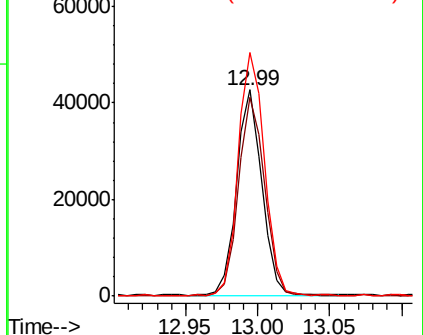
157 122.9 61.3 183.8

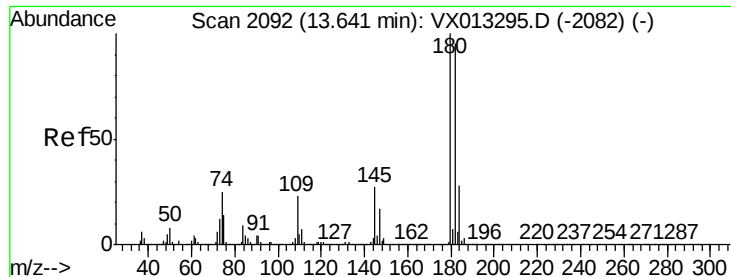


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

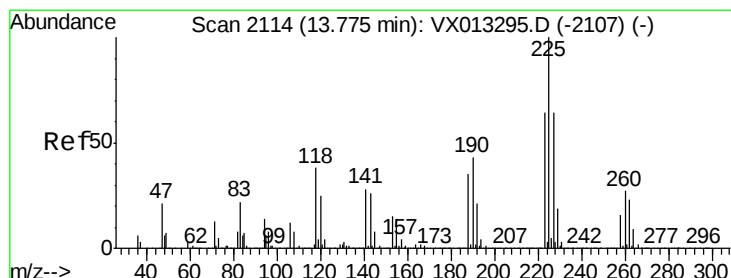
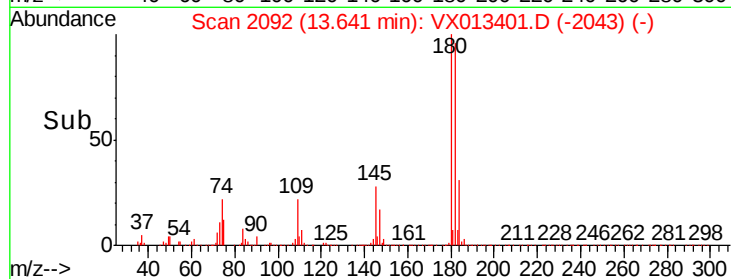
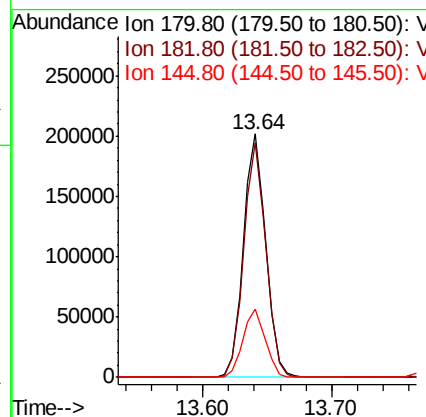
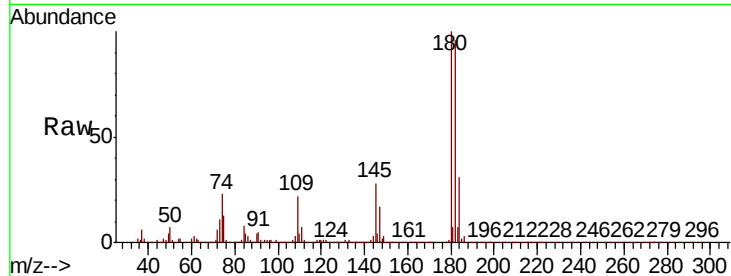




#93
 1,2,4-Trichlorobenzene
 Concen: 18.070 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

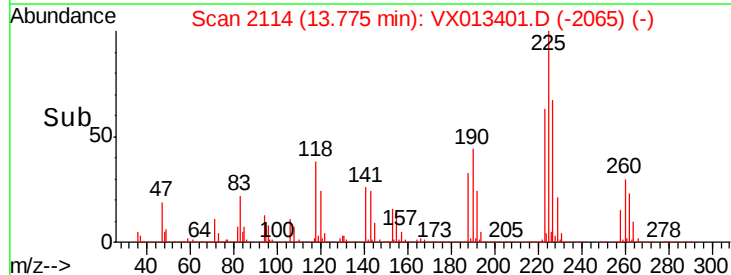
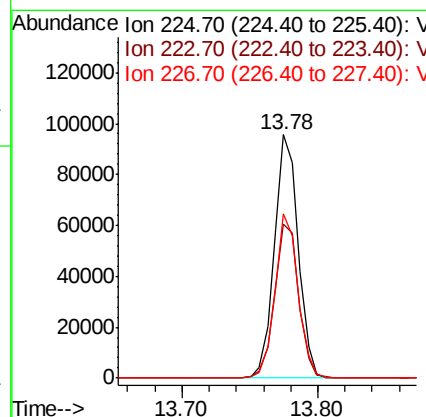
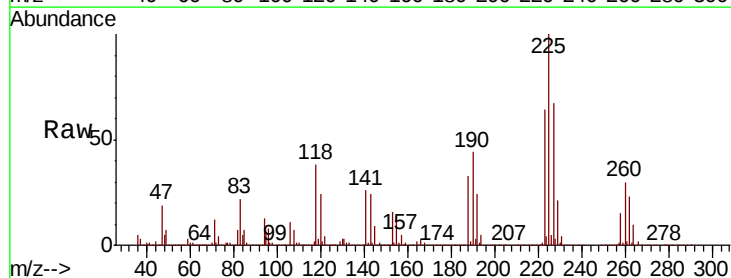
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS02

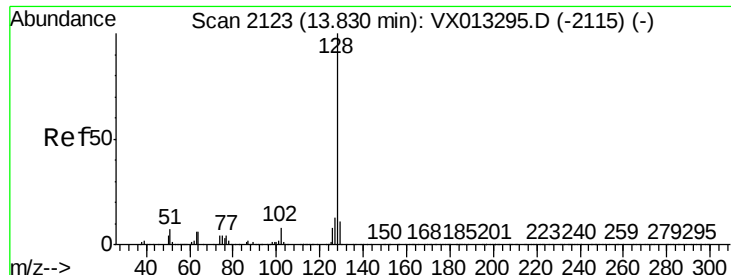
Tot Ion:180 Resp: 241645
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.0
 145 28.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 17.913 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013401.D
 Acq: 13 Nov 2019 12:35

Tgt Ion:225 Resp: 117192
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.9 95.7
 227 65.3 31.9 95.9

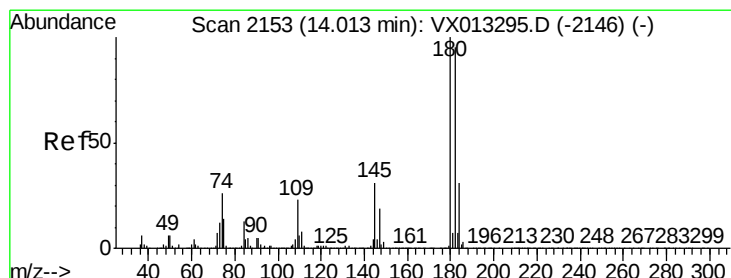
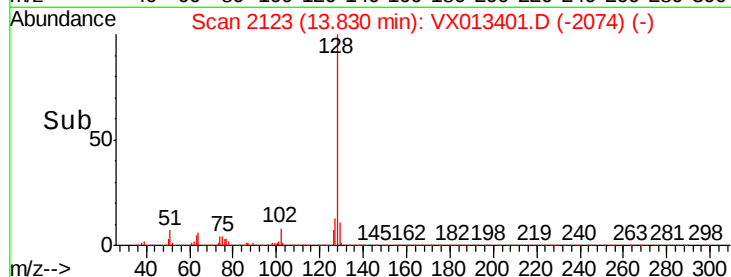
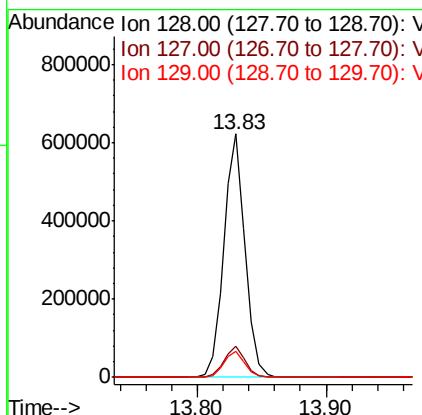
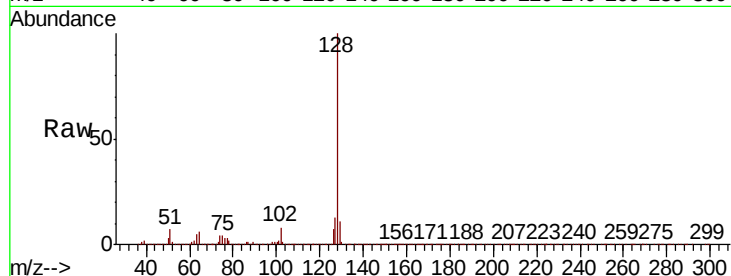




#95
Naphthalene
Concen: 17.082 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 17.506 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013401.D
Acq: 13 Nov 2019 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	30.8	15.4	46.4

