

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013998.D
 Acq On : 13 Dec 2019 02:26
 Operator : JC/SP
 Sample : VX1212WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS04

Quant Time: Dec 13 04:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	98883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	552919	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	496438	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	209940	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.14	95	239244	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.71	98	683302	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	84915	17.000	ug/l 99
3) Chloromethane	1.32	50	126976	18.036	ug/l 95
4) Vinyl Chloride	1.40	62	128765	17.842	ug/l 98
5) Bromomethane	1.63	94	91031	17.255	ug/l 98
6) Chloroethane	1.71	64	82649	18.540	ug/l 98
7) Trichlorofluoromethane	1.92	101	159634	17.776	ug/l 98
8) Diethyl Ether	2.18	74	75431	18.274	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	92270	17.228	ug/l 97
10) 1,1-Dichloroethene	2.36	96	98208	17.736	ug/l 96
11) Methyl Iodide	2.50	142	109590	15.374	ug/l 97
12) Methyl Acetate	2.76	43	151658	17.692	ug/l 98
13) Acrolein	2.28	56	102304	98.398	ug/l 100
14) Acrylonitrile	3.13	53	300210	89.586	ug/l 99
15) Acetone	2.44	58	81047	82.329	ug/l 91
16) Carbon Disulfide	2.56	76	258358	17.224	ug/l 97
17) Allyl chloride	2.72	41	170207	17.106	ug/l 94
18) Methylene Chloride	2.85	84	124702	18.379	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	106430	17.552	ug/l 100
20) Diisopropyl ether	3.84	45	370839	18.164	ug/l 95
21) 1,1-Dichloroethane	3.69	63	199531	18.007	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	124607	17.727	ug/l 99
23) tert-Butyl Alcohol	3.04	59	116017	88.266	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	334523	17.884	ug/l 99
25) Chloroform	5.20	83	194265	18.389	ug/l 98
26) Cyclohexane	5.57	56	172086	17.417	ug/l # 53
29) 1,1-Dichloropropene	5.79	75	143198	17.930	ug/l 98
30) 2-Butanone	4.66	43	417481	88.683	ug/l 99
31) 2,2-Dichloropropane	4.57	77	120653	16.331	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	155033	17.550	ug/l 100
33) Carbon Tetrachloride	5.78	117	131233	17.476	ug/l 97
34) Benzene	6.14	78	446709	17.938	ug/l 98
35) Methacrylonitrile	5.03	41	94395	18.644	ug/l 94
36) 1,2-Dichloroethane	6.18	62	151505	17.514	ug/l 100
37) Trichloroethene	7.21	130	117830	17.388	ug/l 95
38) Methylcyclohexane	7.45	83	160602	16.858	ug/l 99
39) 1,2-Dichloropropane	7.51	63	116964	18.083	ug/l 96
40) Dibromomethane	7.65	93	75613	18.299	ug/l 99

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 VX1212WBS04

Quant Time: Dec 13 04:40:41 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	140653	17.580	ug/l	99
42) Vinyl Acetate	3.80	43	1538434	92.563	ug/l	100
43) Ethyl Acetate	4.82	43	170059	18.826	ug/l	98
44) Isopropyl Acetate	6.43	43	267225	17.663	ug/l	99
45) 1,4-Dioxane	7.74	88	53783	379.616	ug/l	98
46) Methyl methacrylate	7.76	41	129174	17.578	ug/l	98
47) n-amyl Acetate	10.89	43	225501	16.763	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	148185	16.970	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	168666	17.175	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	115273	18.077	ug/l	99
51) Ethyl methacrylate	9.17	69	177328	17.482	ug/l	98
52) 1,3-Dichloropropane	9.37	76	198059	18.281	ug/l	99
53) Dibromochloromethane	9.57	129	109939	17.241	ug/l	100
54) 1,2-Dibromoethane	9.67	107	120099	18.292	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	394267	88.176	ug/l	100
56) Bromoform	10.85	173	79392	15.966	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	838494	90.271	ug/l	99
59) 2-Hexanone	9.49	43	640890	90.919	ug/l	99
61) Tetrachloroethene	9.33	164	113409	17.268	ug/l	97
62) Toluene	8.78	91	480737	18.207	ug/l	100
64) Chlorobenzene	10.14	112	298285	18.032	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	108067	17.643	ug/l	100
66) Ethyl Benzene	10.25	91	520466	18.012	ug/l	99
67) m/p-Xylenes	10.35	106	394499	35.716	ug/l	98
68) o-Xylene	10.70	106	193679	17.700	ug/l	99
69) Styrene	10.71	104	328732	17.666	ug/l	98
70) Isopropylbenzene	11.01	105	506883	17.926	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	178228	17.773	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	186664	20.912	ug/l	93
73) Bromobenzene	11.25	156	132893	17.605	ug/l	100
74) n-propylbenzene	11.35	91	560953	17.490	ug/l	98
75) 2-Chlorotoluene	11.42	91	345034	17.804	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	421810	17.585	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	47402	16.081	ug/l	94
78) 4-Chlorotoluene	11.51	91	384037	17.342	ug/l	98
79) tert-butylbenzene	11.76	119	406917	17.599	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	419869	17.505	ug/l	100
81) sec-Butylbenzene	11.94	105	471927	17.160	ug/l	99
82) p-Isopropyltoluene	12.06	119	431133	17.372	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	229204	17.421	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	225035	17.177	ug/l	99
85) n-Butylbenzene	12.39	91	342250	16.402	ug/l	100
86) Hexachloroethane	12.59	117	75104	16.682	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	230681	17.262	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	34513	17.268	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	136604	15.994	ug/l	99
90) Hexachlorobutadiene	13.78	225	66662	16.420	ug/l	98
91) Naphthalene	13.83	128	435766	16.974	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	145850	16.836	ug/l	98

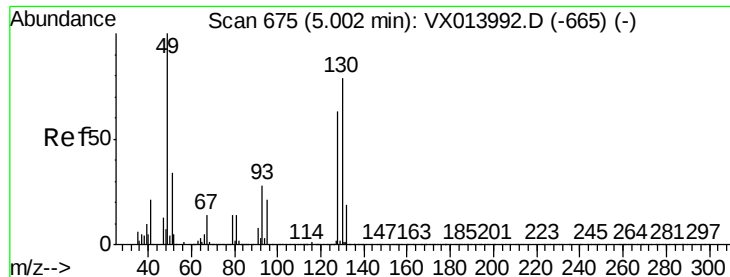
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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Quant Time: Dec 13 04:40:41 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration

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

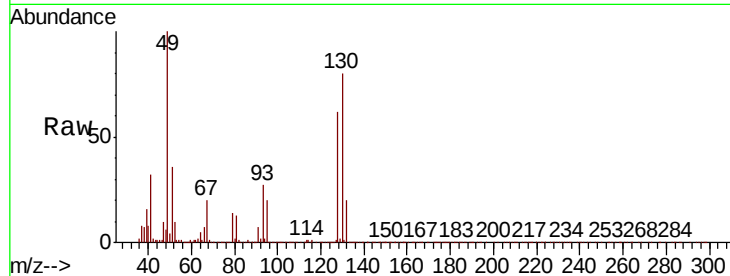


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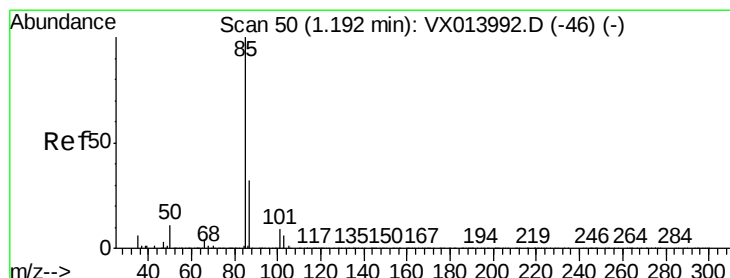
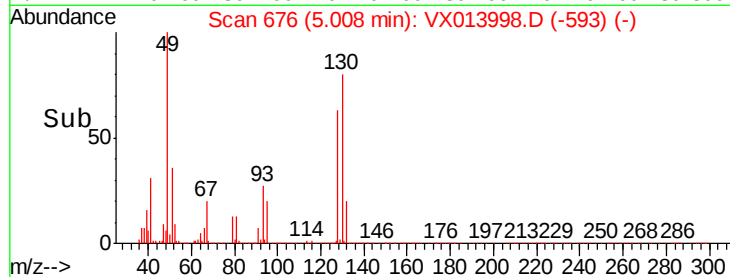
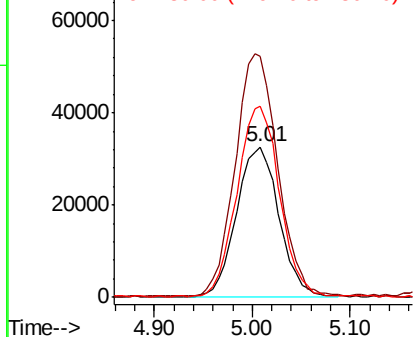
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS04

Tot Ion:128 Resp: 98883
 Ion Ratio Lower Upper
 128 100
 49 159.0 0.0 405.0
 130 126.1 0.0 321.5



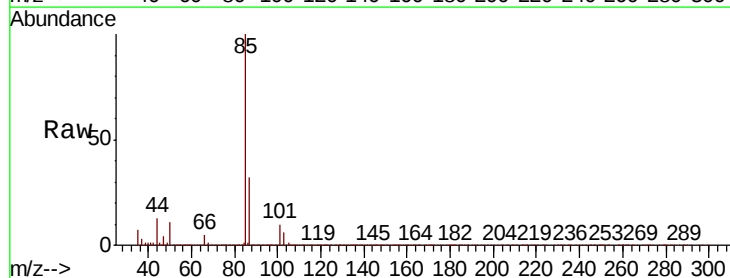
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



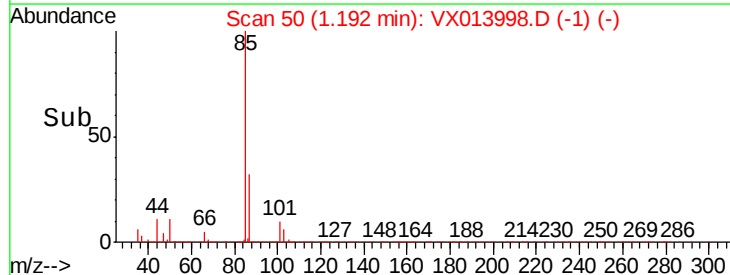
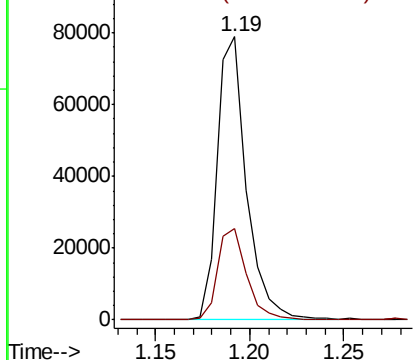
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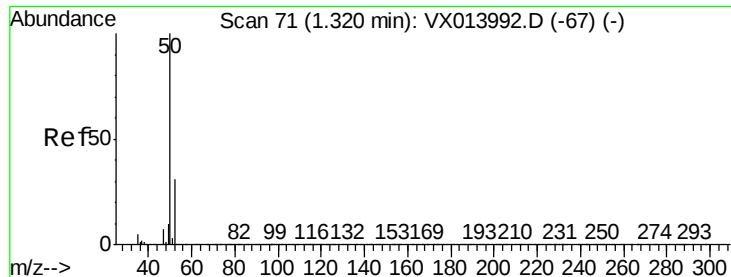
Dichlorodifluoromethane
 Concen: 17.000 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Tgt Ion: 85 Resp: 84915
 Ion Ratio Lower Upper
 85 100
 87 32.3 16.3 48.9



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

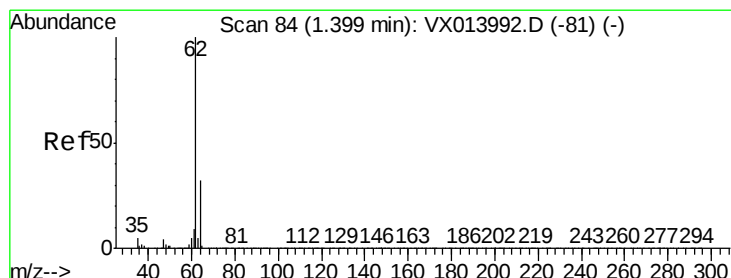
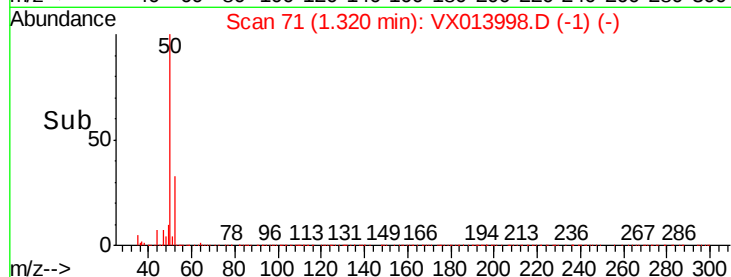
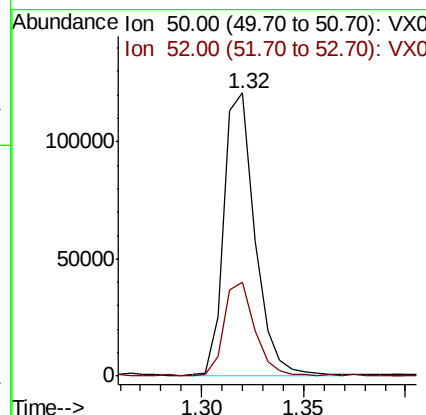
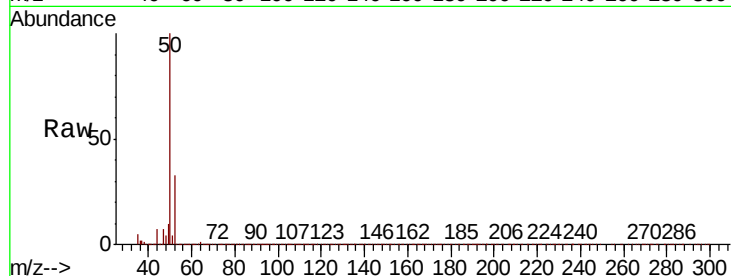




#3
Chloromethane
Concen: 18.036 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

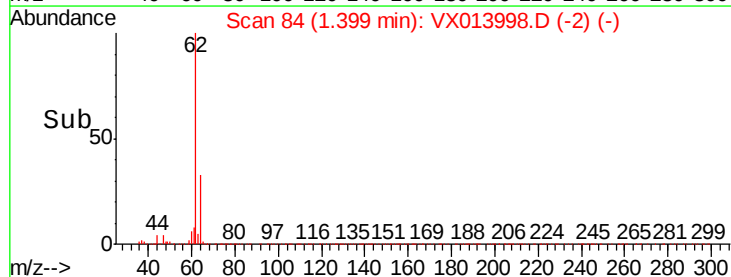
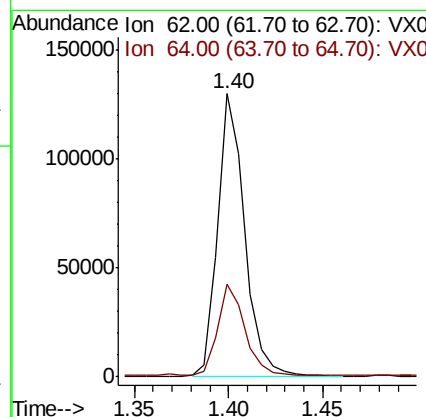
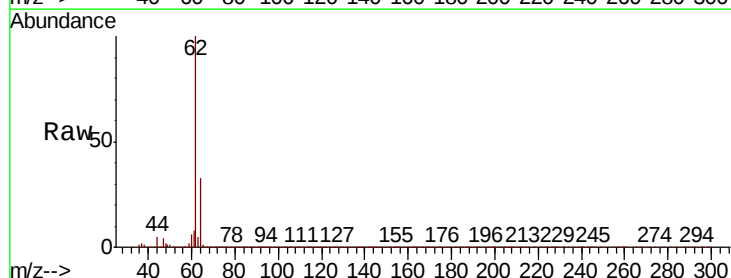
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

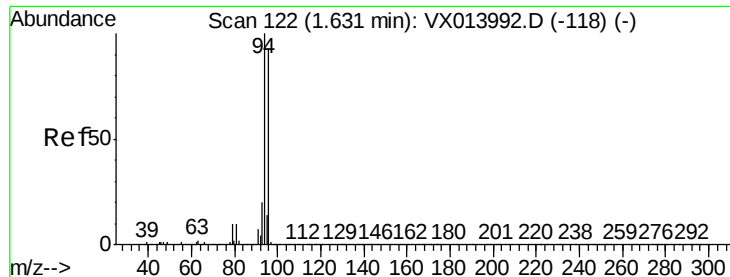
Tot Ion: 50 Resp: 126976
Ion Ratio Lower Upper
50 100
52 33.1 24.3 36.5



#4
Vinyl Chloride
Concen: 17.842 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 62 Resp: 128765
Ion Ratio Lower Upper
62 100
64 32.4 25.2 37.8





#5

Bromomethane

Concen: 17.255 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

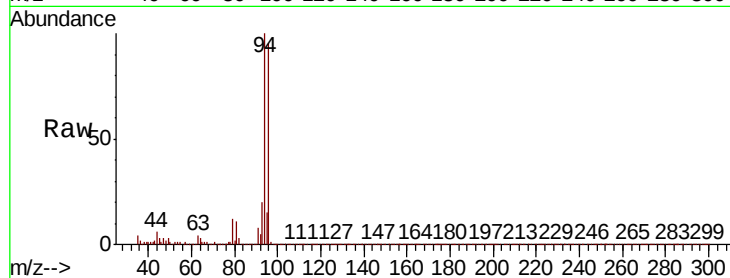
VX1212WBS04

Tot Ion: 94 Resp: 91031

Ion Ratio Lower Upper

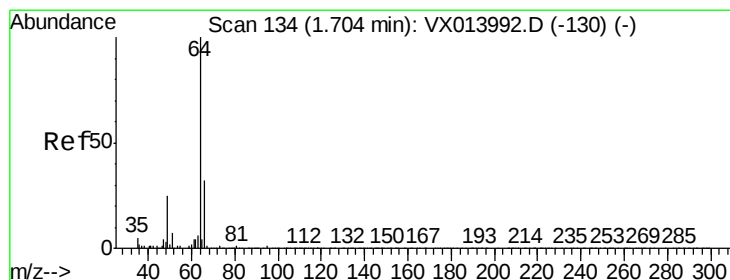
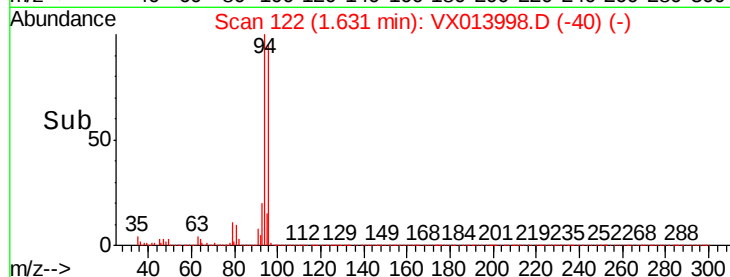
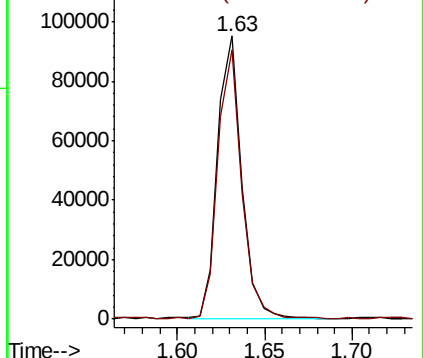
94 100

96 95.1 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.540 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013998.D

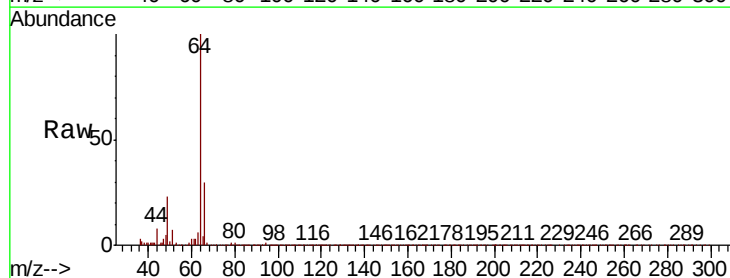
Acq: 13 Dec 2019 02:26

Tgt Ion: 64 Resp: 82649

Ion Ratio Lower Upper

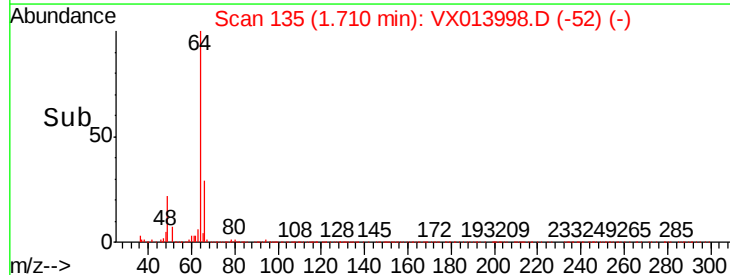
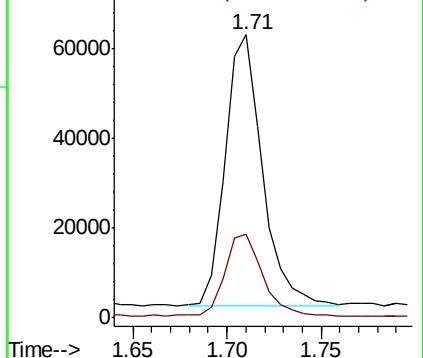
64 100

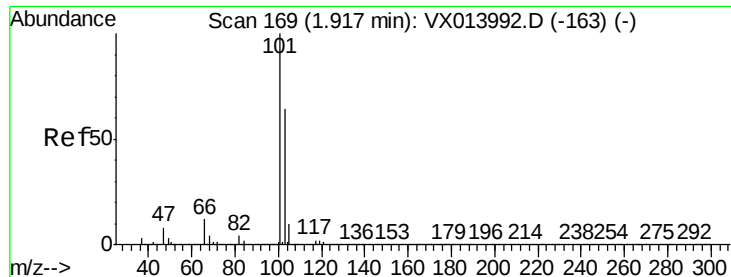
66 30.5 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



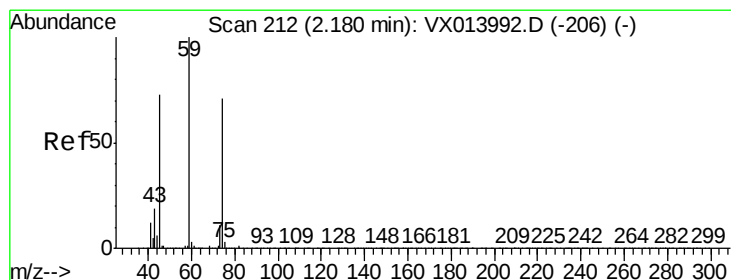
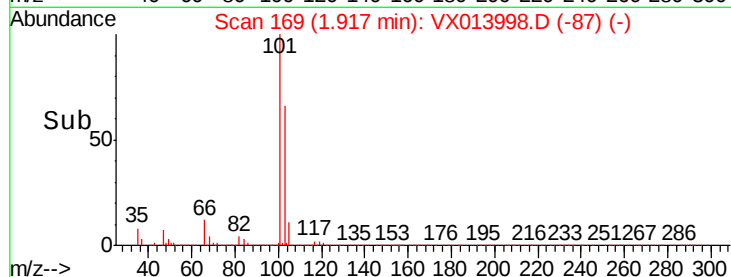
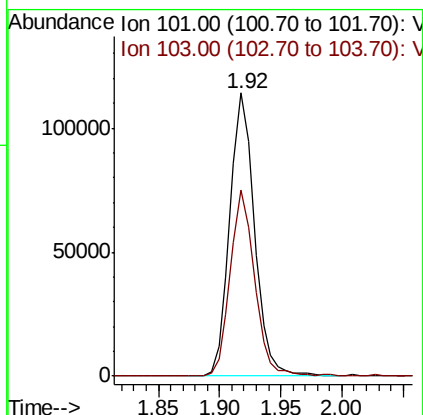
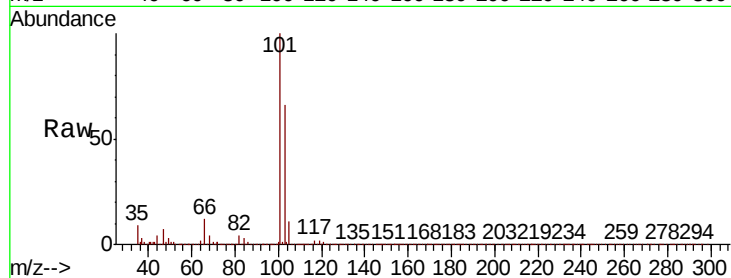


#7

Trichlorofluoromethane
Concen: 17.776 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Instrument :
MSVOA_X
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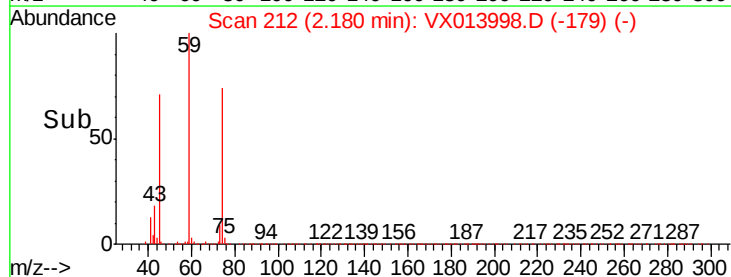
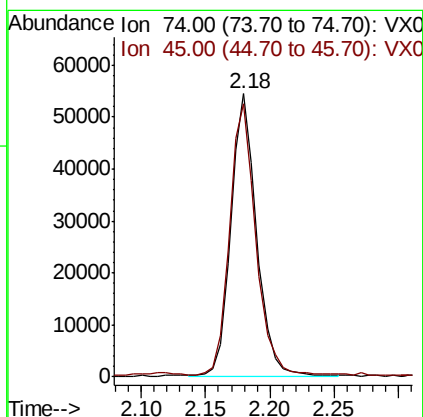
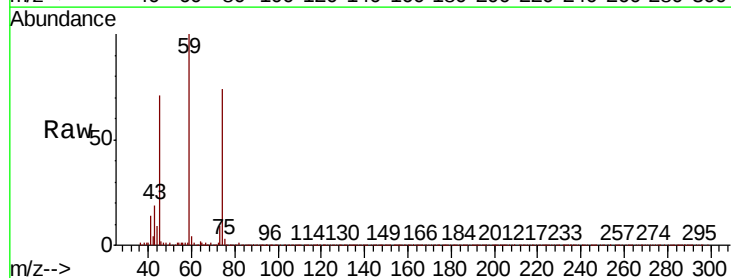
Tot Ion:101 Resp: 159634
Ion Ratio Lower Upper
101 100
103 65.9 51.6 77.4

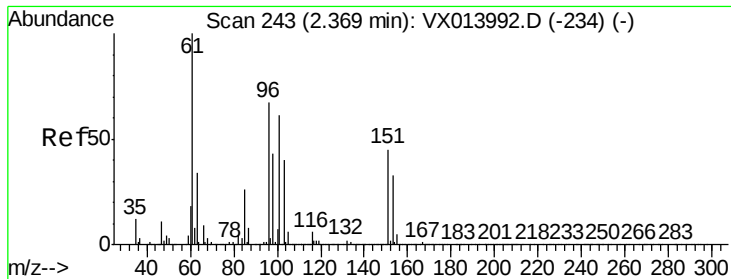


#8

Diethyl Ether
Concen: 18.274 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 74 Resp: 75431
Ion Ratio Lower Upper
74 100
45 98.9 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.228 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

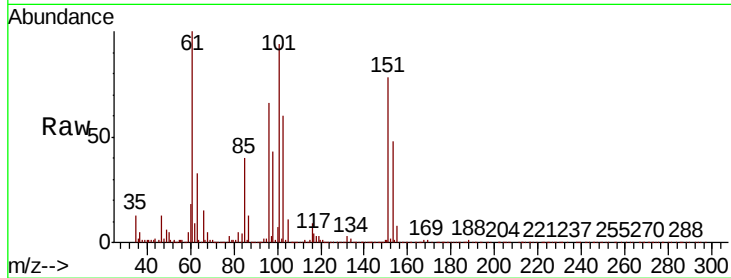
Tot Ion:101 Resp: 92270

Ion Ratio Lower Upper

101 100

85 42.6 0.0 85.6

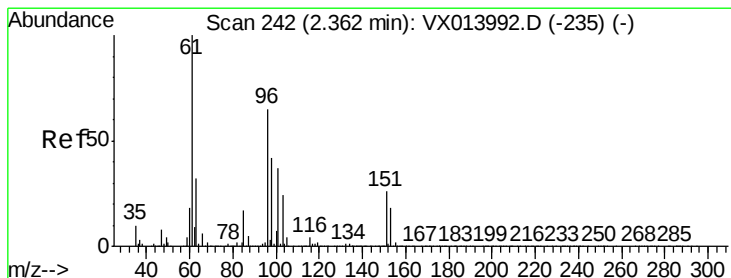
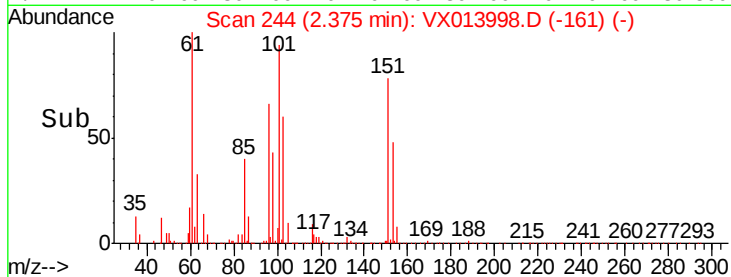
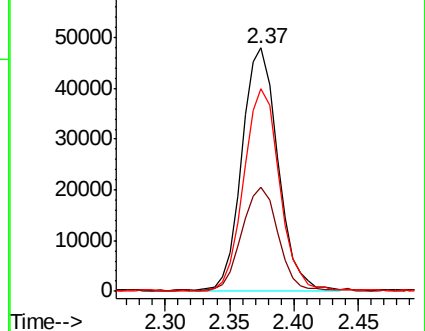
151 83.3 0.0 159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.736 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

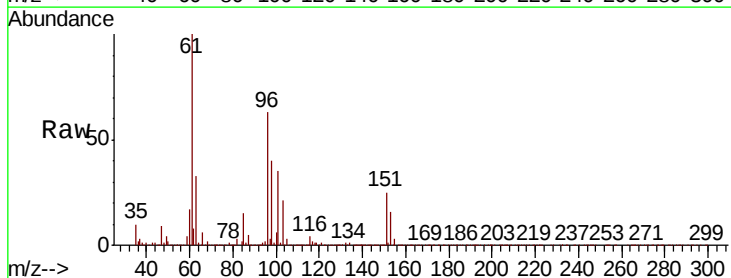
Tgt Ion: 96 Resp: 98208

Ion Ratio Lower Upper

96 100

61 160.3 123.0 184.6

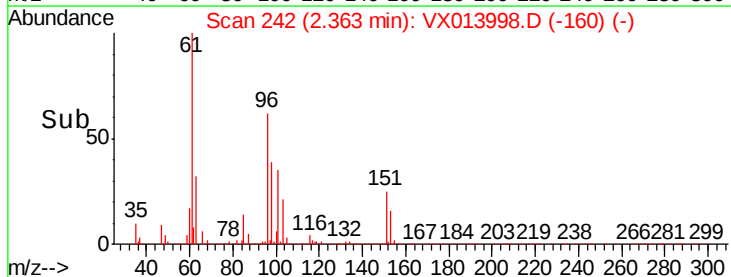
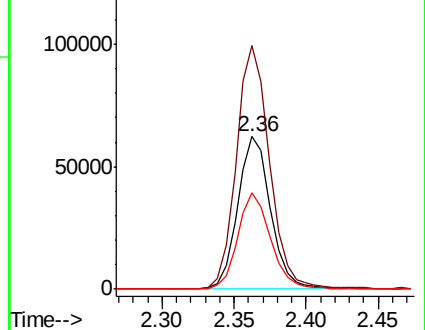
98 63.3 51.4 77.0

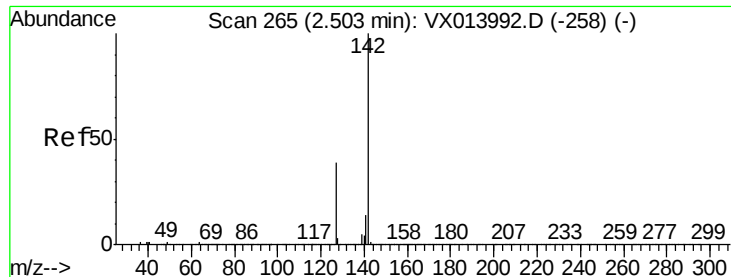


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

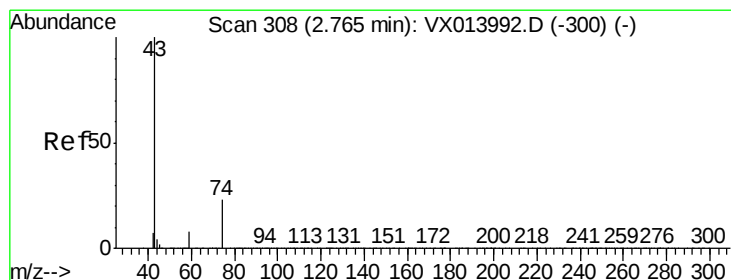
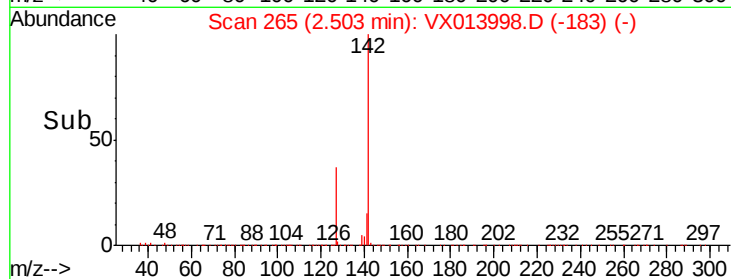
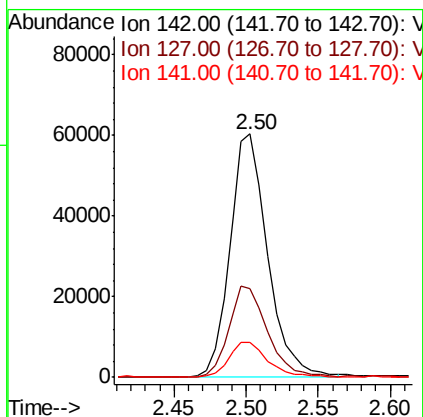
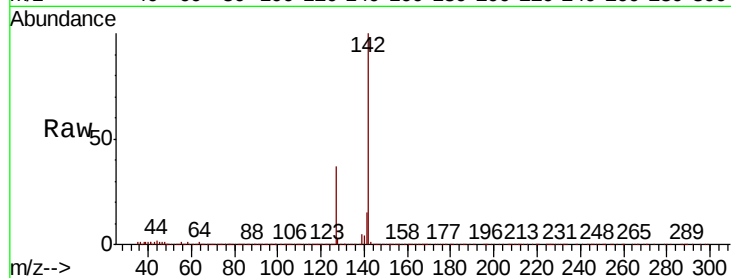




#11
Methvl Iodide
Concen: 15.374 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

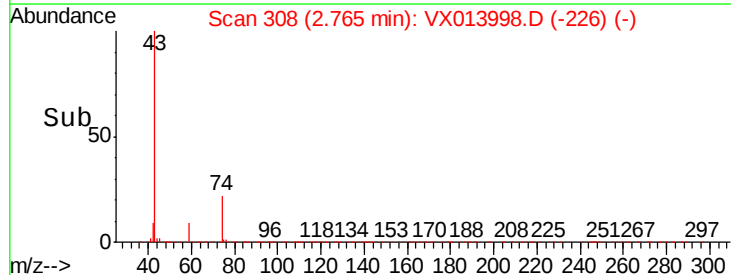
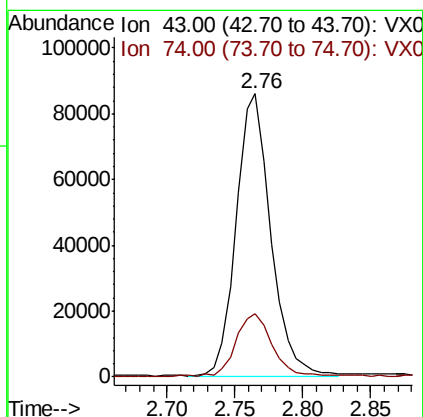
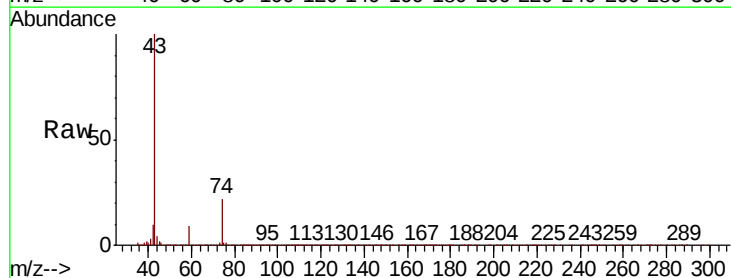
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

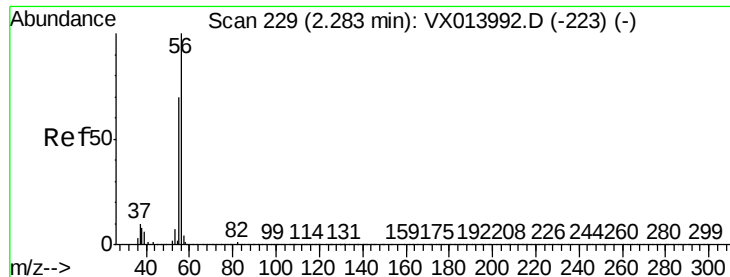
Tot Ion	Ratio	Lower	Upper
142	100		
127	36.6	19.5	58.5
141	14.4	7.0	20.9



#12
Methyl Acetate
Concen: 17.692 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.5	27.7





#13

Acrolein

Concen: 98.398 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

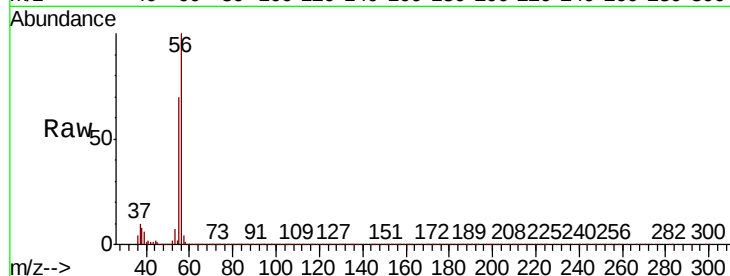
VX1212WBS04

Tot Ion: 56 Resp: 102304

Ion Ratio Lower Upper

56 100

55 68.6 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

80000

60000

40000

20000

0

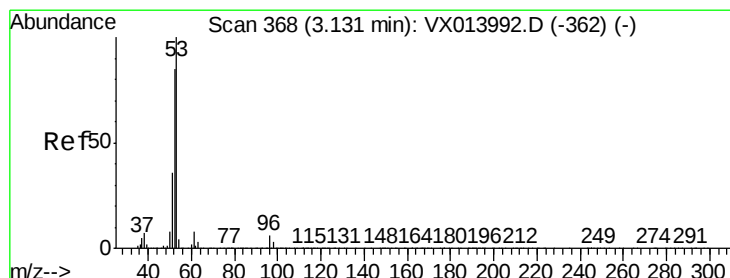
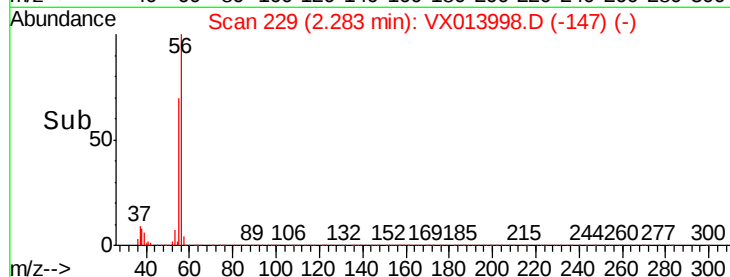
Time-->

2.20

2.25

2.30

2.35



#14

Acrylonitrile

Concen: 89.586 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

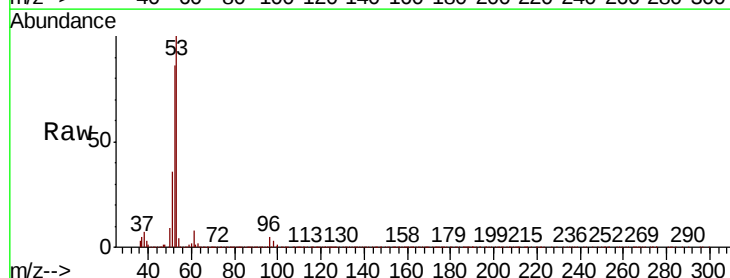
Tgt Ion: 53 Resp: 300210

Ion Ratio Lower Upper

53 100

52 83.8 41.5 124.6

51 35.6 17.8 53.5



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

200000

150000

100000

50000

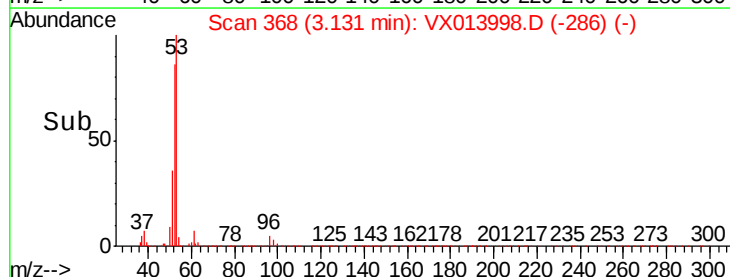
0

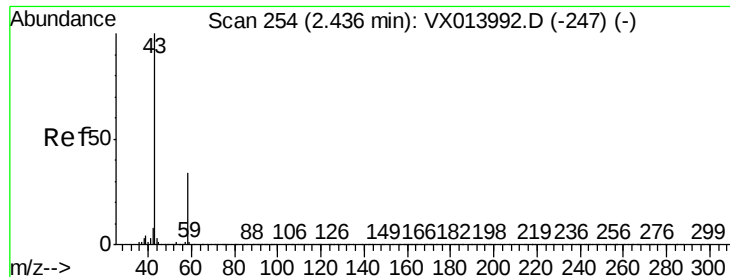
Time-->

3.10

3.20

3.30





#15

Acetone

Concen: 82.329 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

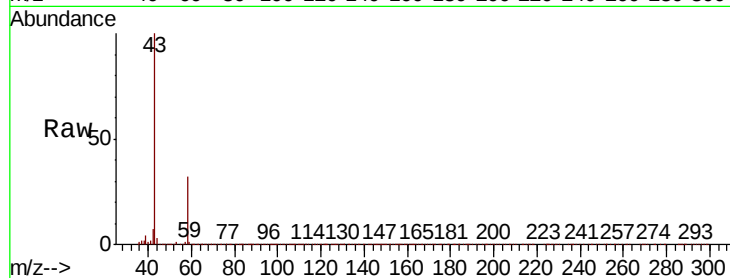
VX1212WBS04

Tot Ion: 58 Resp: 81047

Ion Ratio Lower Upper

58 100

43 312.5 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

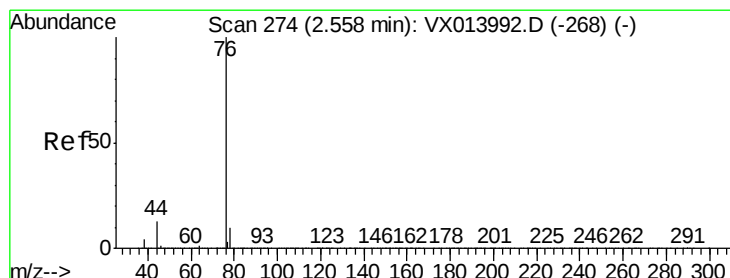
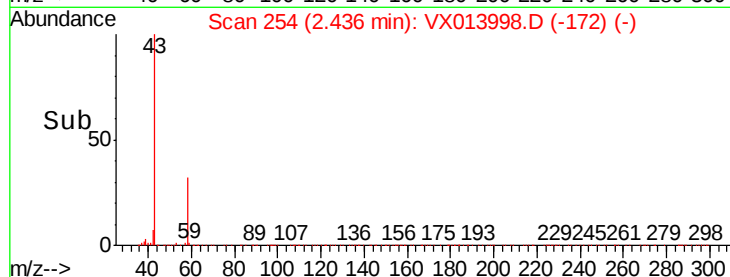
150000

100000

50000

2.44

Time-->



#16

Carbon Disulfide

Concen: 17.224 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013998.D

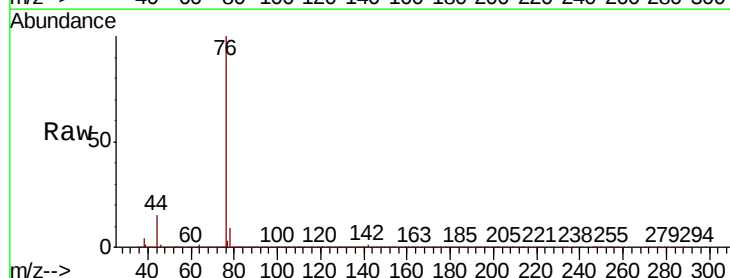
Acq: 13 Dec 2019 02:26

Tgt Ion: 76 Resp: 258358

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

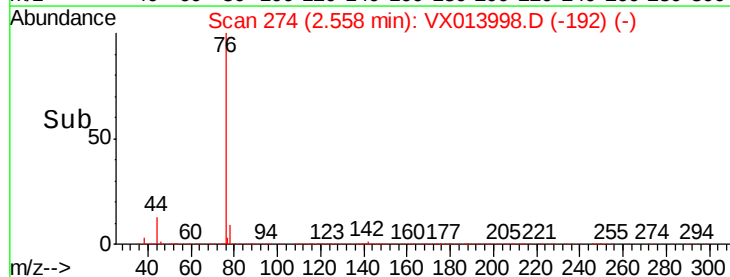
150000

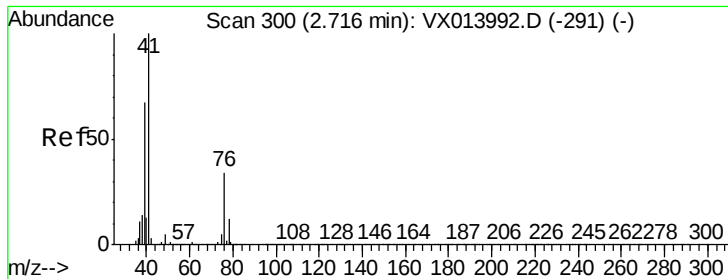
100000

50000

2.56

Time-->

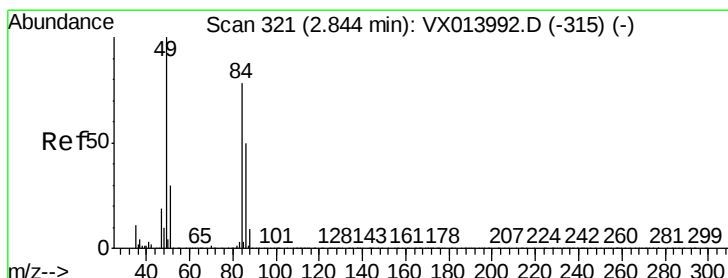
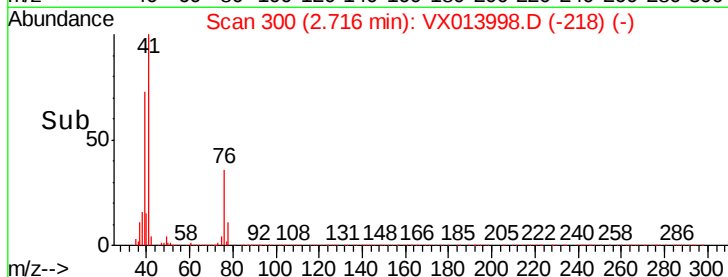
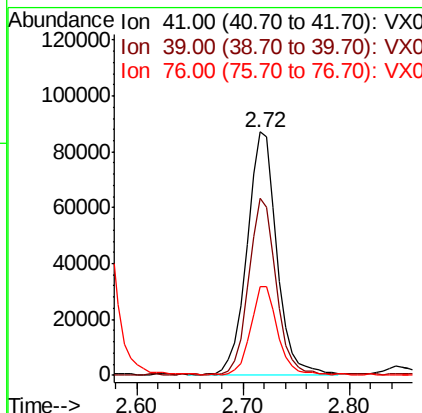
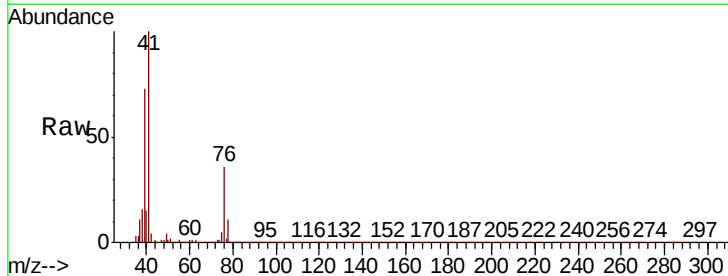




#17
Allvl chloride
Concen: 17.106 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

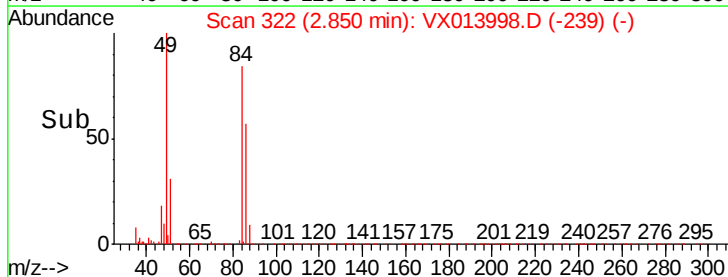
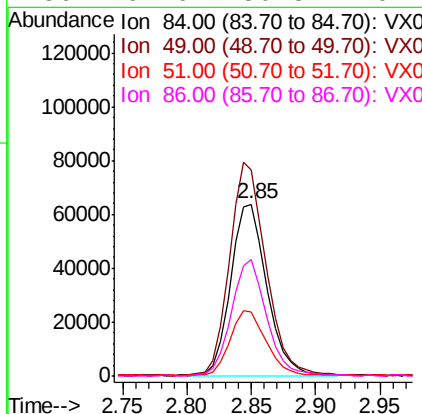
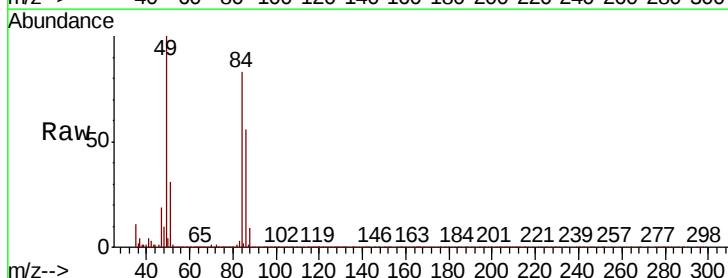
Instrument :
MSVOA_X
ClientSampled :
VX1212WBS04

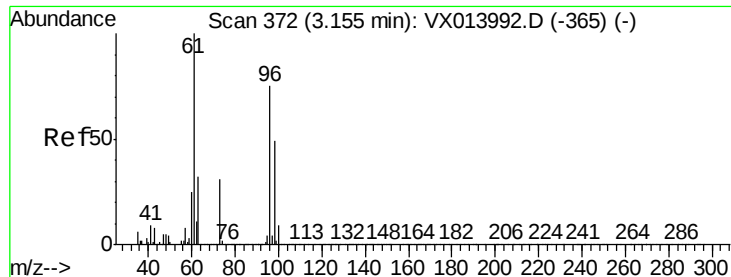
Tot Ion: 41 Resp: 170207
Ion Ratio Lower Upper
41 100
39 72.7 33.4 100.2
76 36.0 17.0 50.9



#18
Methylene Chloride
Concen: 18.379 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 84 Resp: 124702
Ion Ratio Lower Upper
84 100
49 119.4 102.2 153.2
51 36.7 31.4 47.0
86 67.6 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 17.552 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

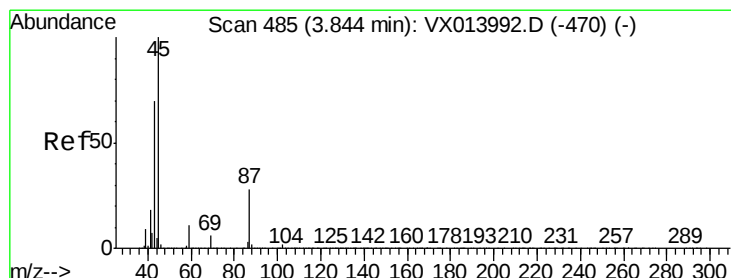
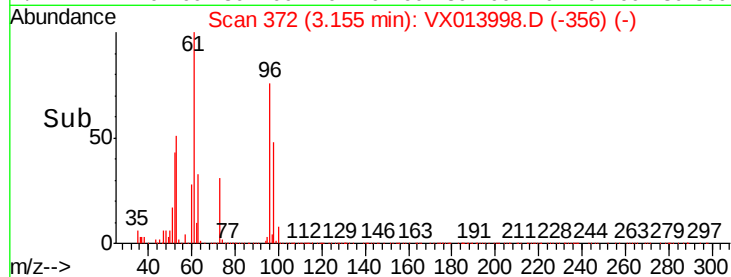
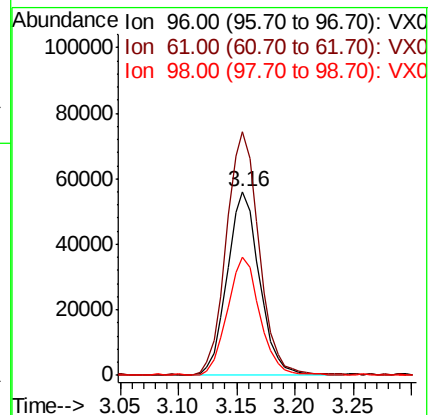
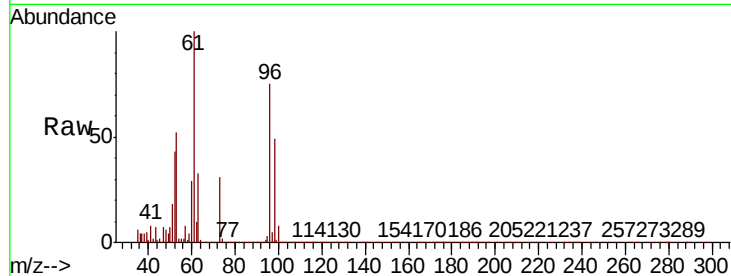
Tot Ion: 96 Resp: 106430

Ion Ratio Lower Upper

96 100

61 132.6 106.6 159.8

98 64.2 51.6 77.4



#20

Diisopropyl ether

Concen: 18.164 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Tgt Ion: 45 Resp: 370839

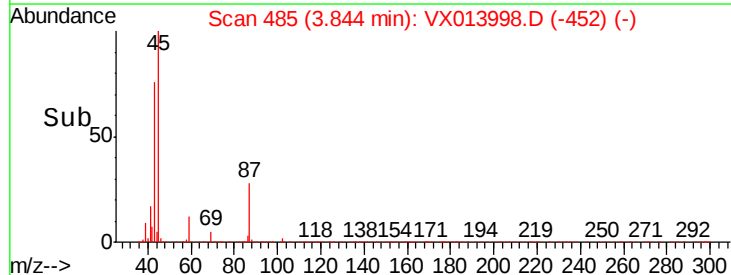
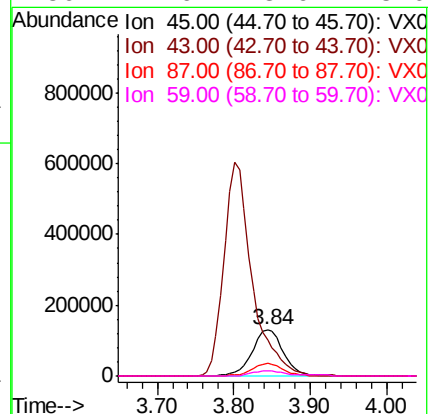
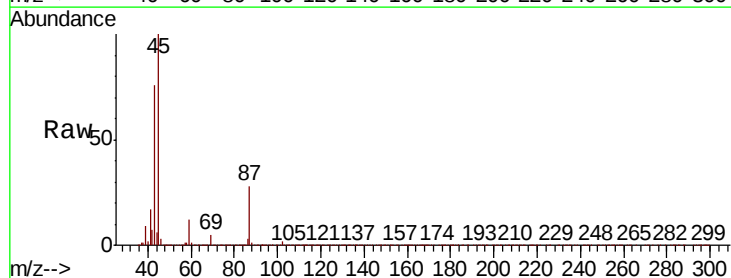
Ion Ratio Lower Upper

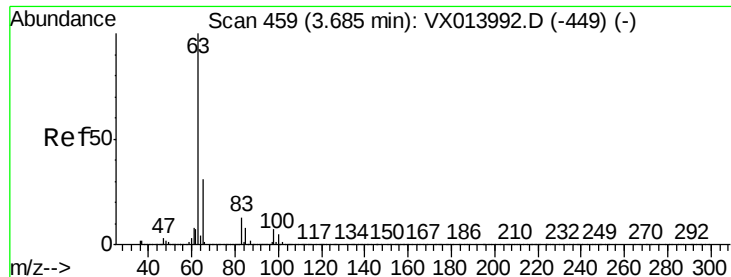
45 100

43 75.5 55.9 83.9

87 28.0 22.2 33.2

59 11.6 8.6 13.0

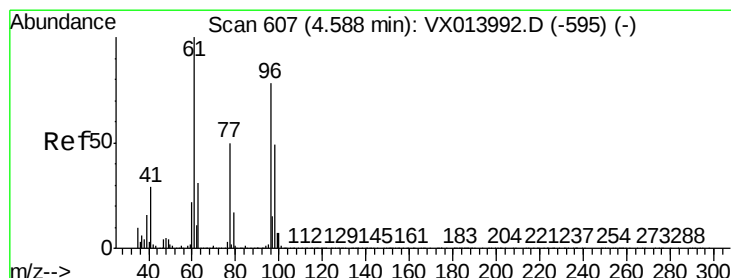
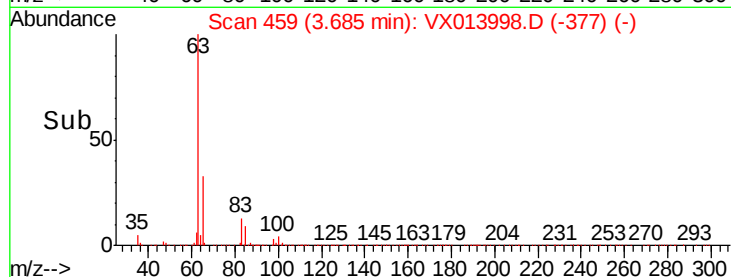
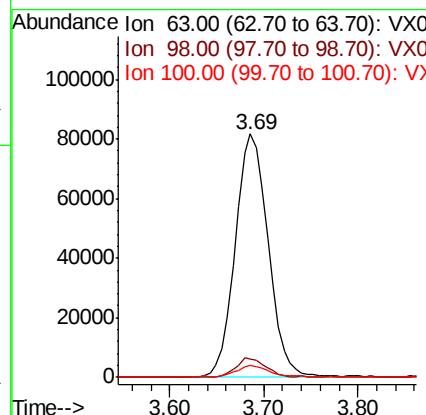
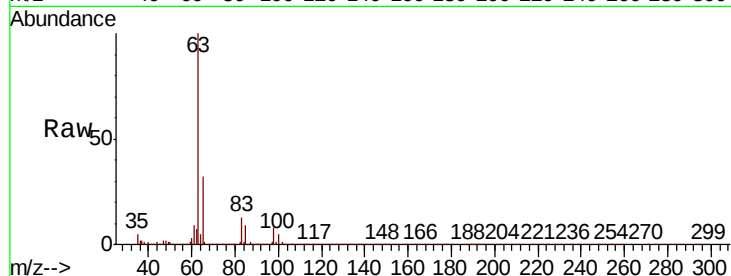




#21
1,1-Dichloroethane
Concen: 18.007 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

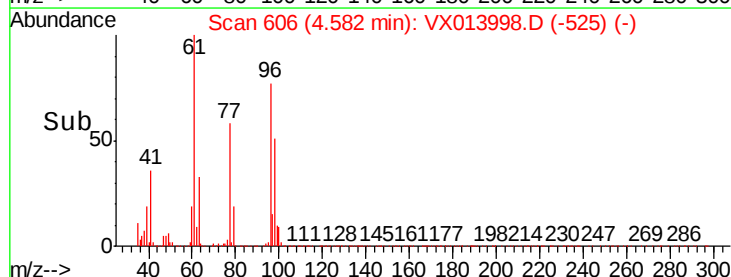
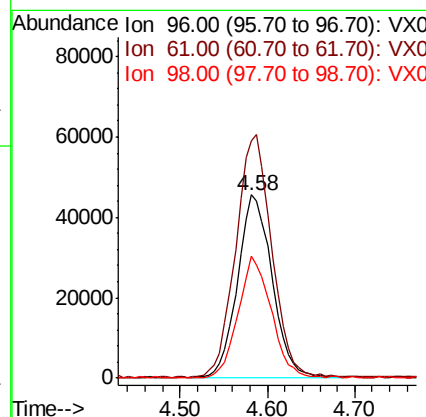
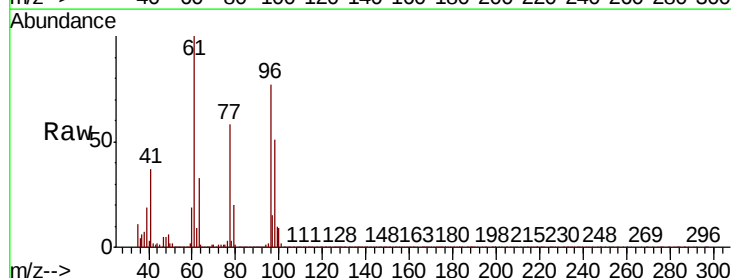
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

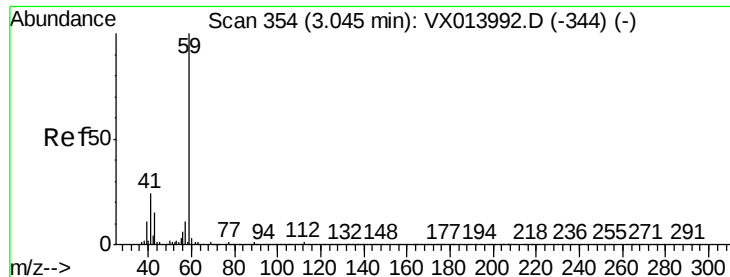
Tot Ion: 63 Resp: 199531
Ion Ratio Lower Upper
63 100
98 7.5 3.4 10.1
100 4.5 2.5 7.4



#22
cis-1,2-Dichloroethene
Concen: 17.727 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 96 Resp: 124607
Ion Ratio Lower Upper
96 100
61 138.3 112.4 168.6
98 63.4 50.3 75.5



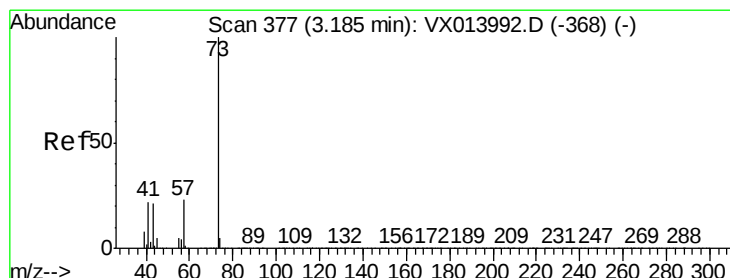
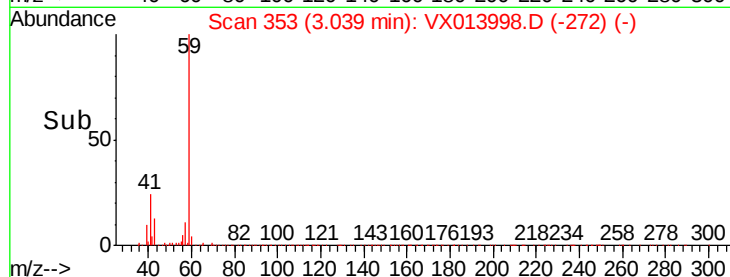
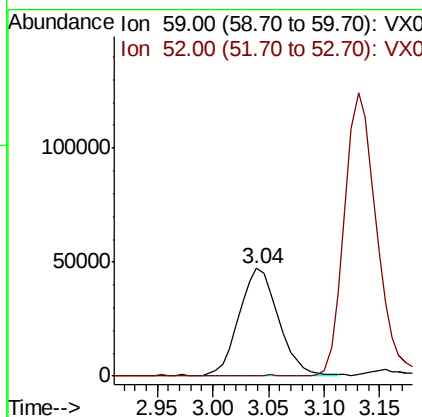
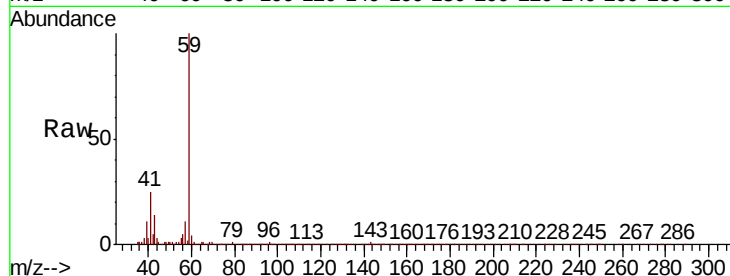


#23

tert-Butyl Alcohol
 Concen: 88.266 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Instrument :
 MSVOA_X
 ClientSampled :
 VX1212WBS04

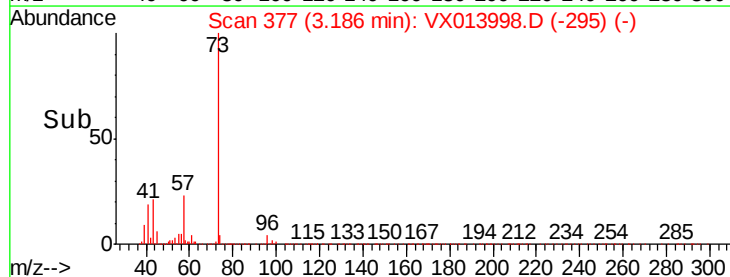
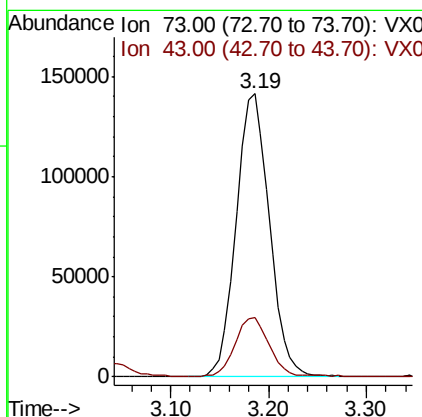
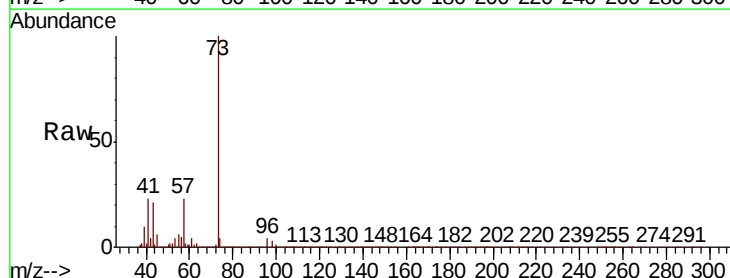
Tot Ion: 59 Resp: 116017
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

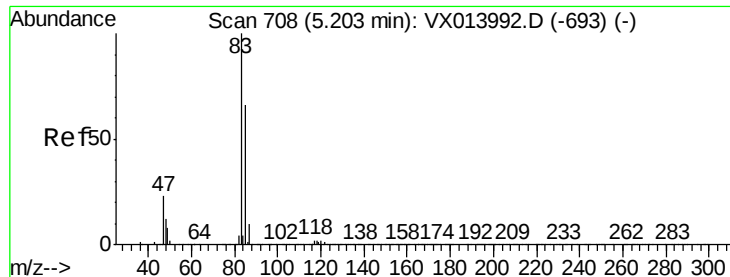


#24

Methyl tert-Butyl Ether
 Concen: 17.884 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Tgt Ion: 73 Resp: 334523
 Ion Ratio Lower Upper
 73 100
 43 20.5 16.6 25.0





#25

Chloroform

Concen: 18.389 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

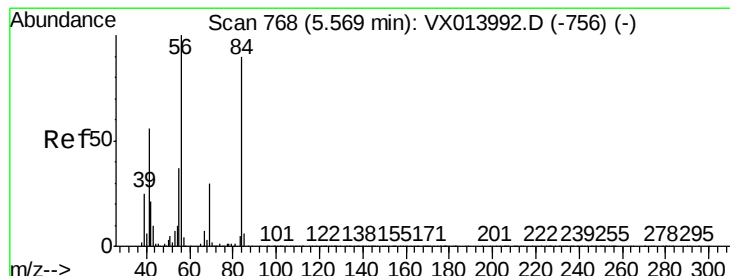
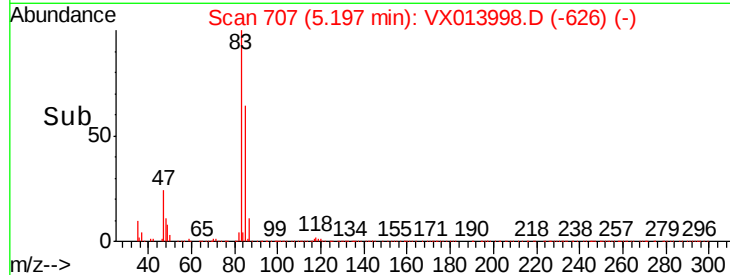
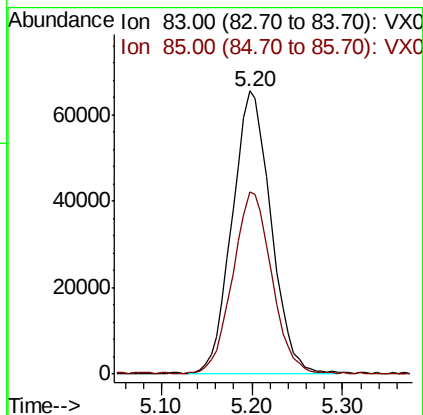
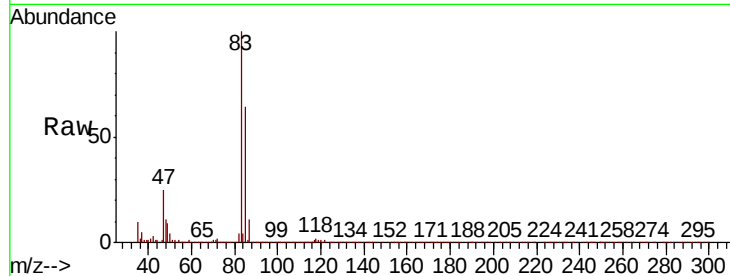
VX1212WBS04

Tot Ion: 83 Resp: 194265

Ion Ratio Lower Upper

83 100

85 64.0 52.7 79.1



#26

Cyclohexane

Concen: 17.417 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

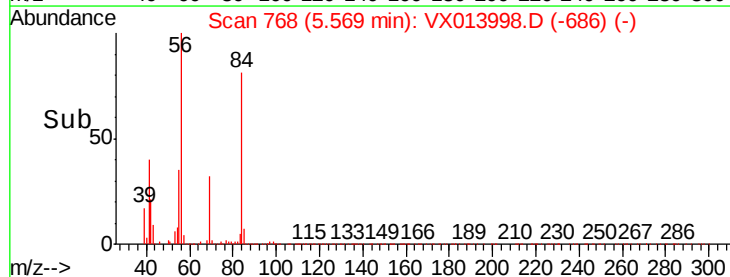
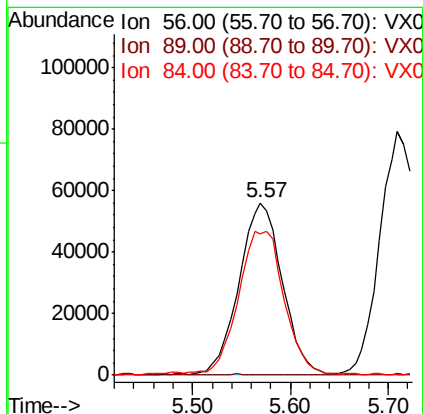
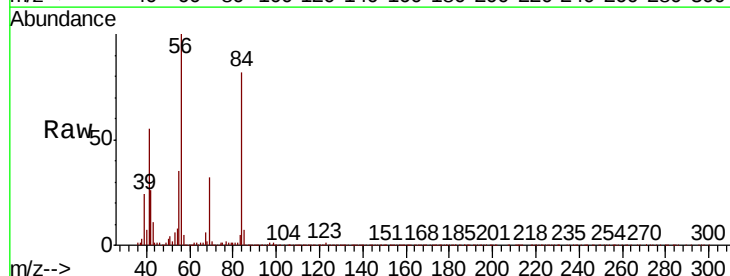
Tgt Ion: 56 Resp: 172086

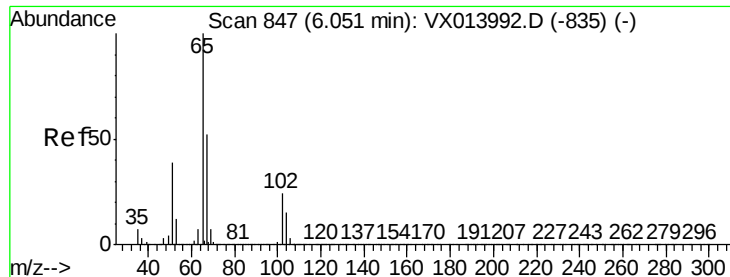
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 45.0 70.8 106.2#





#27

1,2-Dichloroethane-d4

Concen: 29.645 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

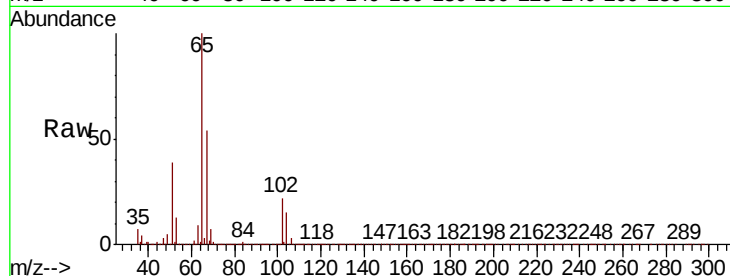
VX1212WBS04

Tot Ion: 65 Resp: 209940

Ion Ratio Lower Upper

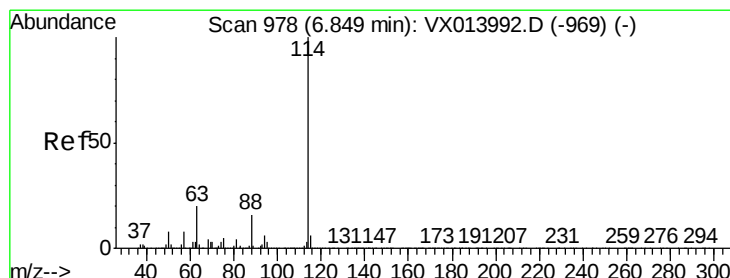
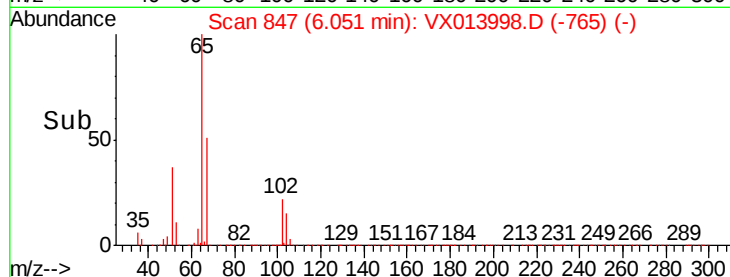
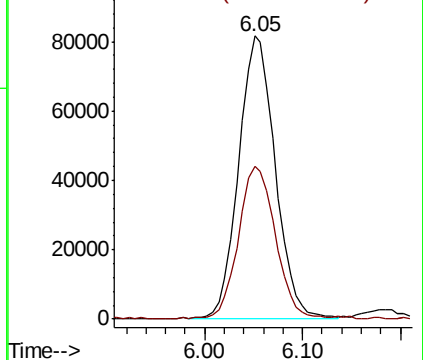
65 100

67 54.1 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

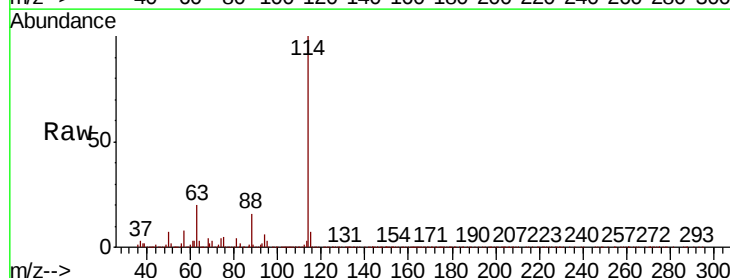
Tgt Ion: 114 Resp: 552919

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

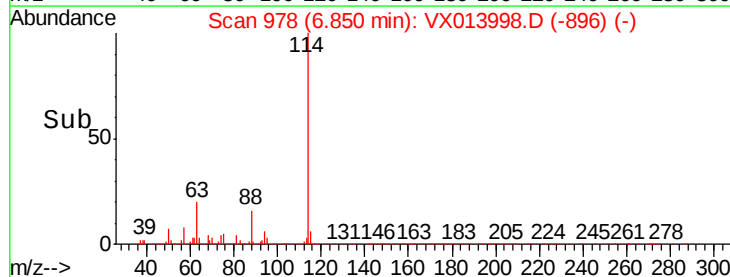
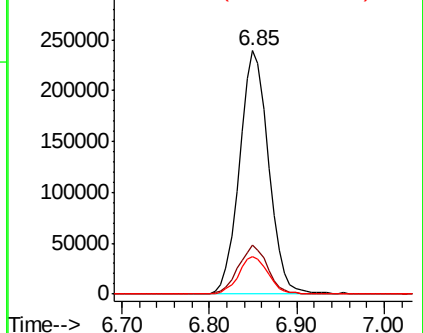
88 15.5 12.5 18.7

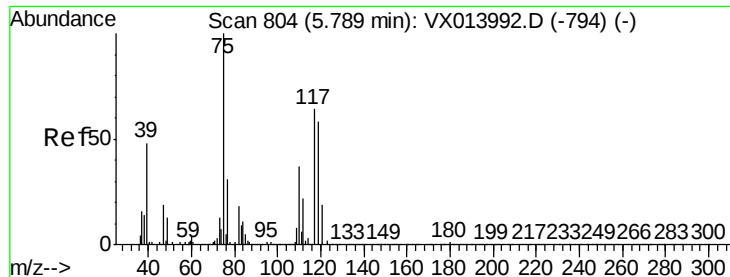


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 17.930 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

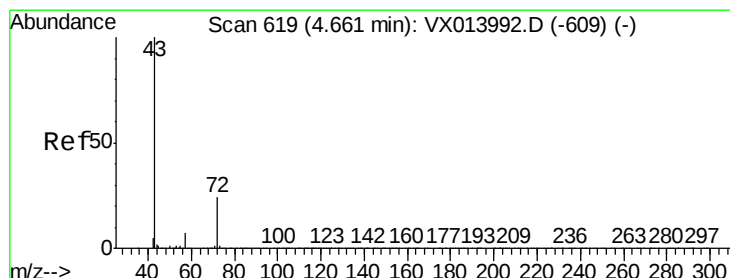
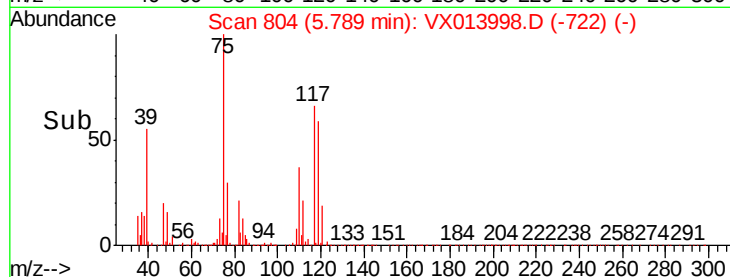
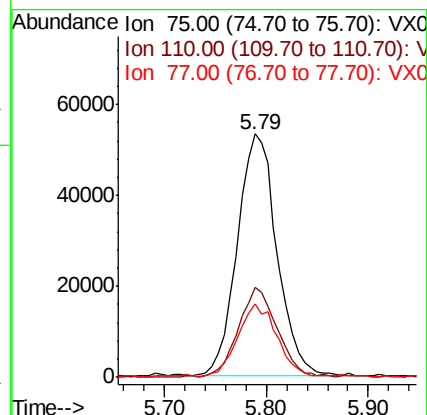
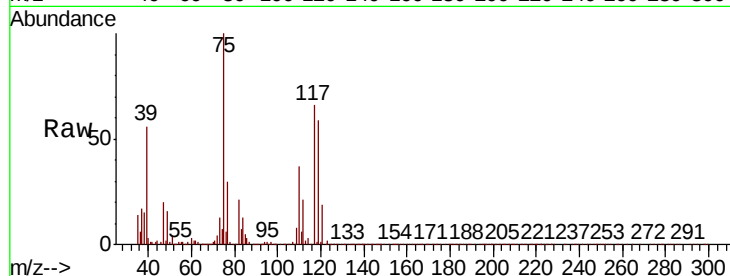
Tot Ion: 75 Resp: 143198

Ion Ratio Lower Upper

75 100

110 36.1 0.0 73.8

77 29.5 0.0 62.4



#30

2-Butanone

Concen: 88.683 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

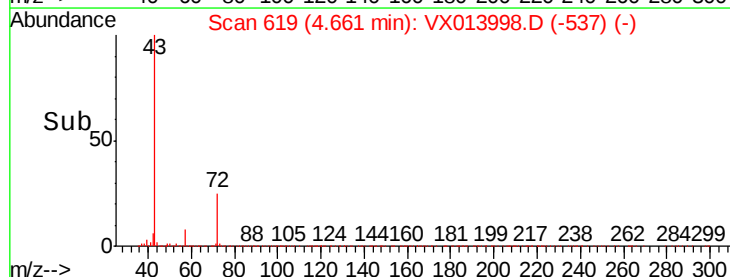
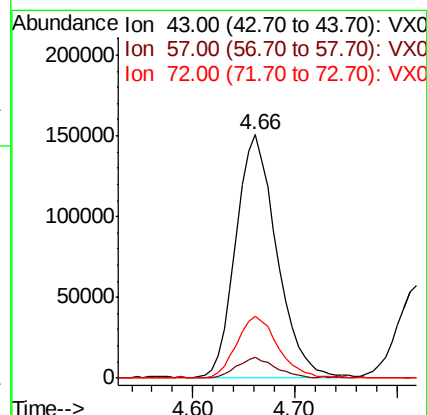
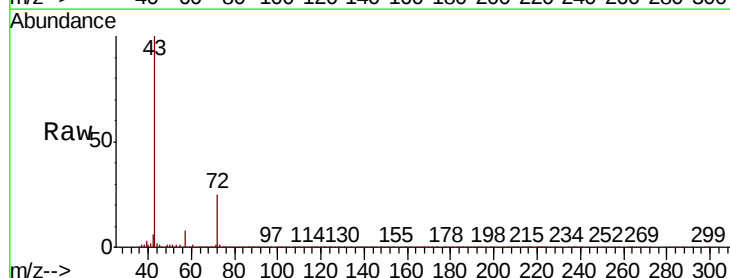
Tgt Ion: 43 Resp: 417481

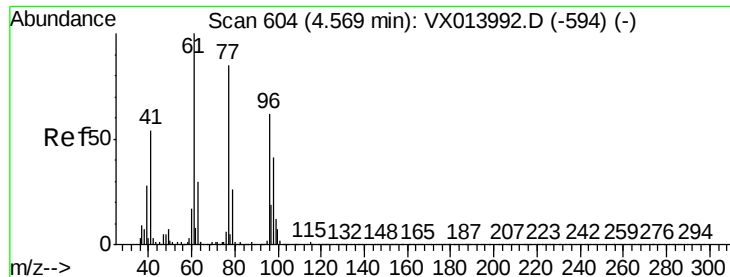
Ion Ratio Lower Upper

43 100

57 7.9 6.2 9.2

72 25.1 20.3 30.5





#31

2,2-Dichloropropane

Concen: 16.331 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

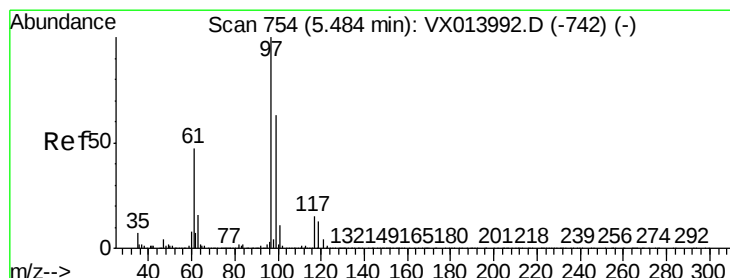
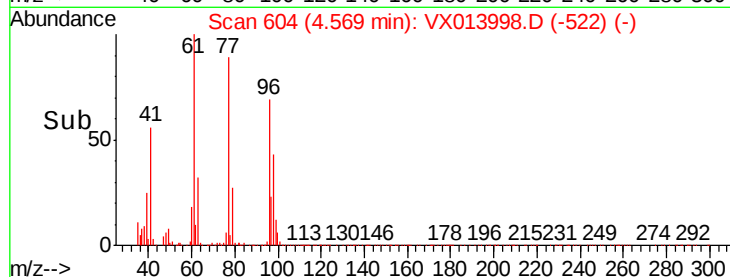
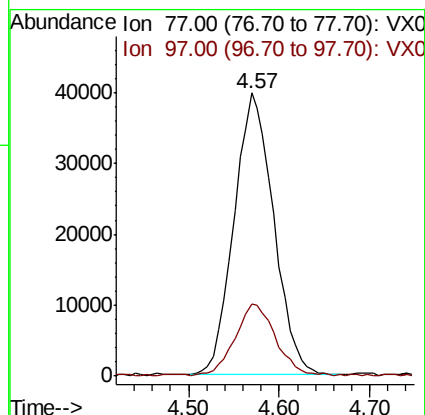
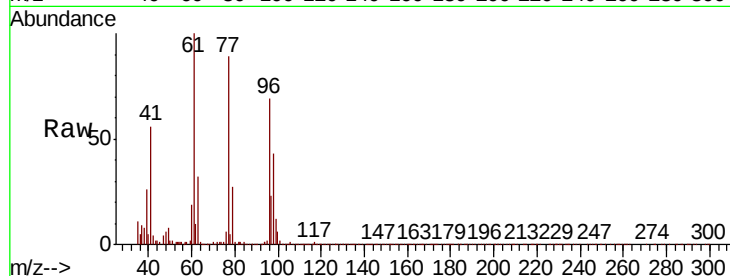
VX1212WBS04

Tot Ion: 77 Resp: 120653

Ion Ratio Lower Upper

77 100

97 25.6 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 17.550 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

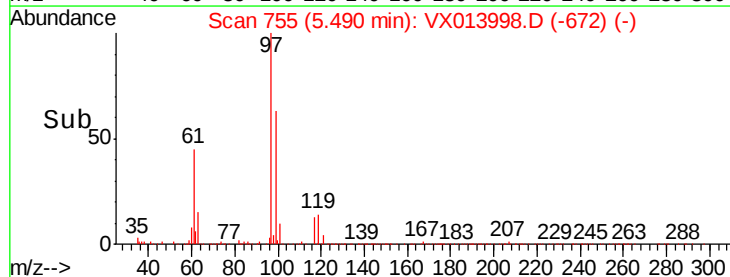
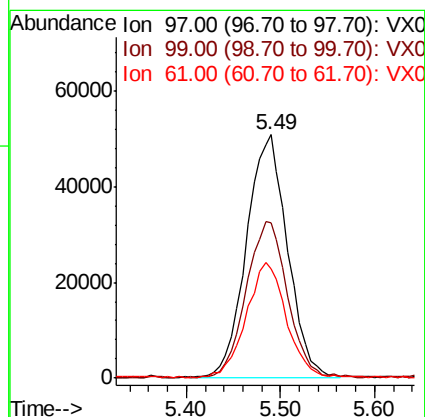
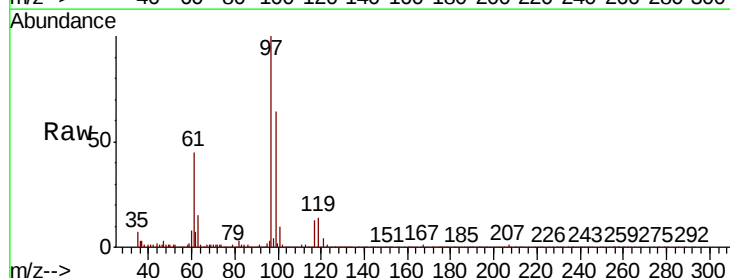
Tgt Ion: 97 Resp: 155033

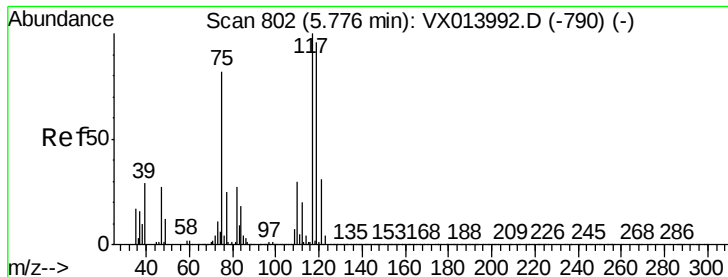
Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 45.6 36.8 55.2





#33

Carbon Tetrachloride

Concen: 17.476 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

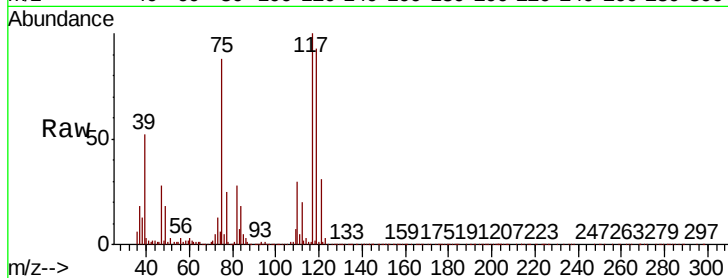
Tot Ion:117 Resp: 131233

Ion Ratio Lower Upper

117 100

119 92.7 77.2 115.8

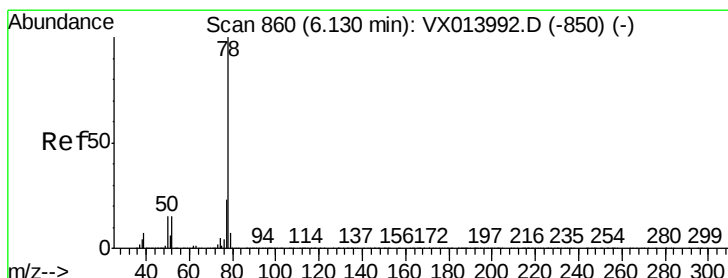
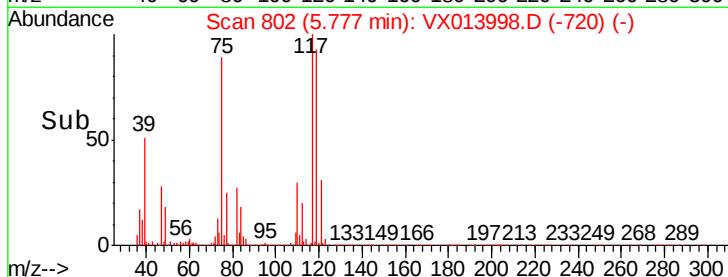
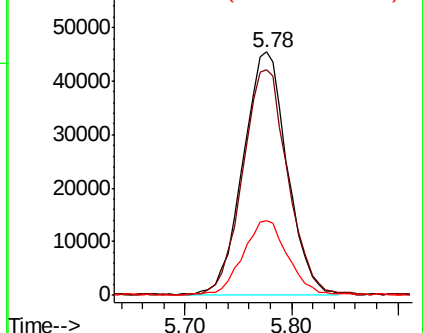
121 30.0 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 17.938 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

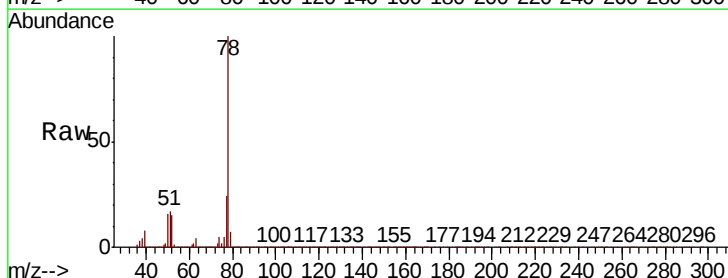
Tgt Ion: 78 Resp: 446709

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.2

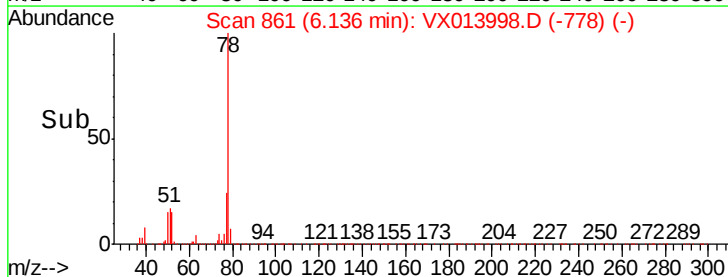
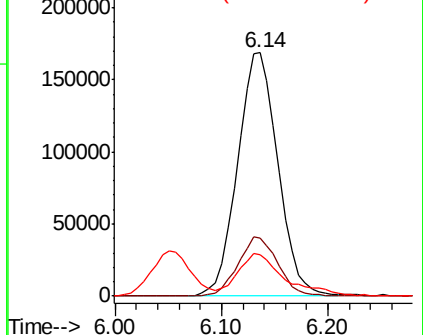
51 16.1 12.4 18.6

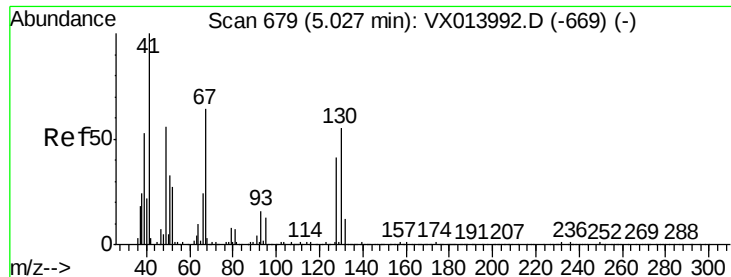


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

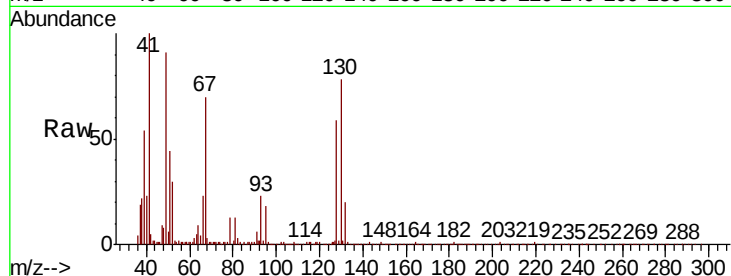




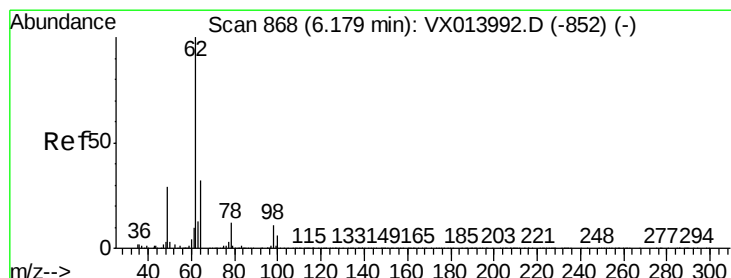
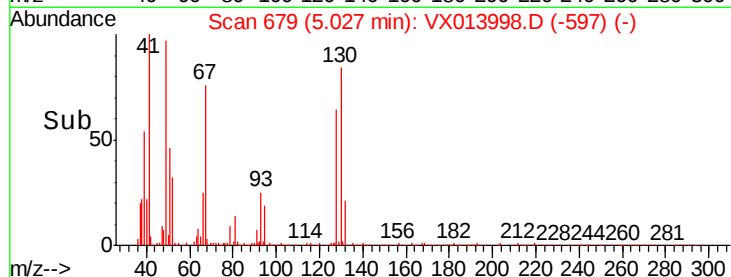
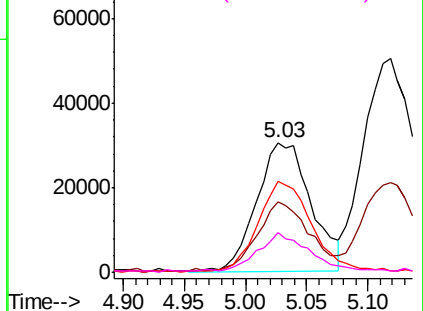
#35
Methacrylonitrile
Concen: 18.644 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

Tot Ion:	41	Resp:	94395
Ion	Ratio	Lower	Upper
41	100		
39	53.9	26.7	80.1
67	69.9	31.5	94.5
52	29.7	12.8	38.4

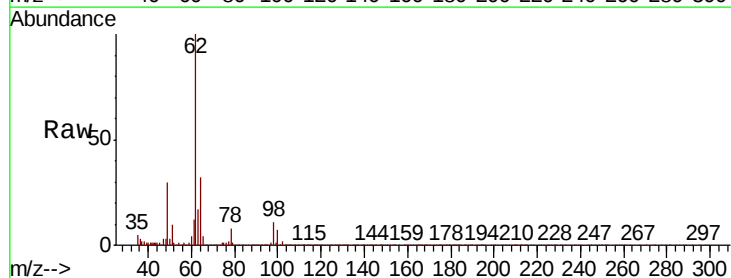


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

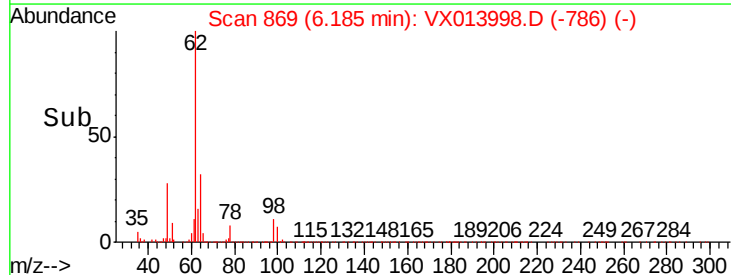
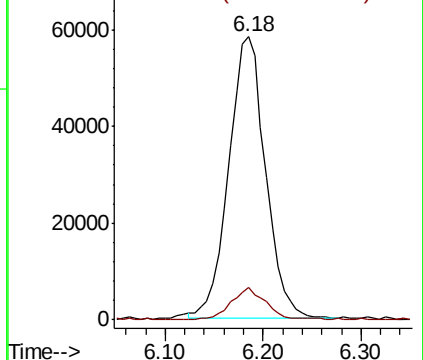


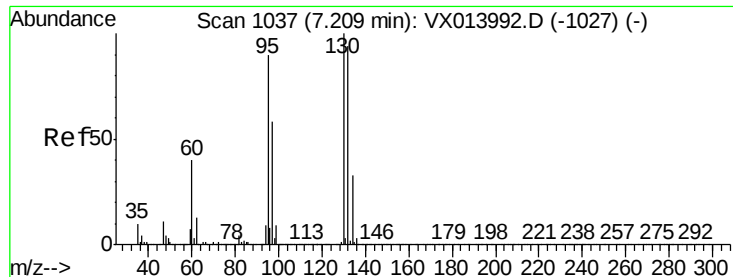
#36
1,2-Dichloroethane
Concen: 17.514 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion:	62	Resp:	151505
Ion	Ratio	Lower	Upper
62	100		
98	10.6	8.4	12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 17.388 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

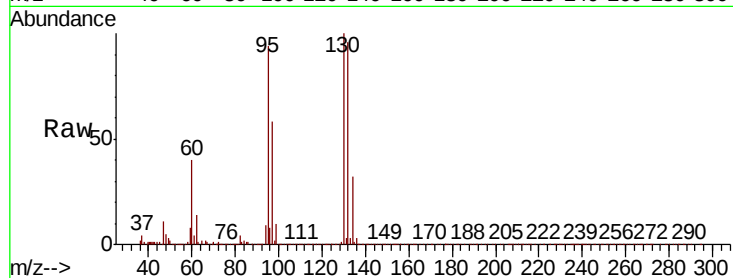
VX1212WBS04

Tot Ion:130 Resp: 117830

Ion Ratio Lower Upper

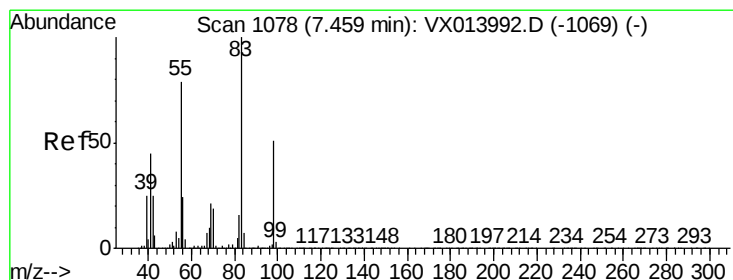
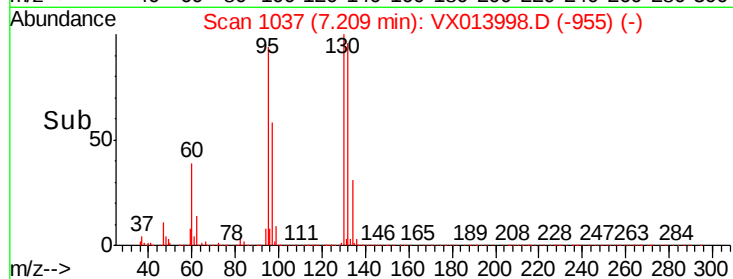
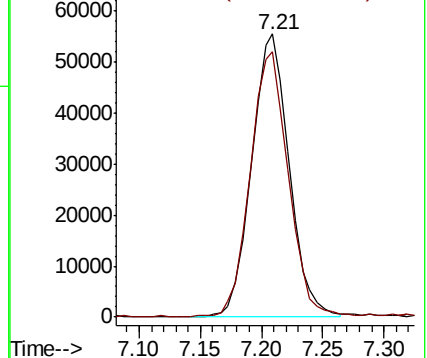
130 100

95 93.9 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 16.858 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

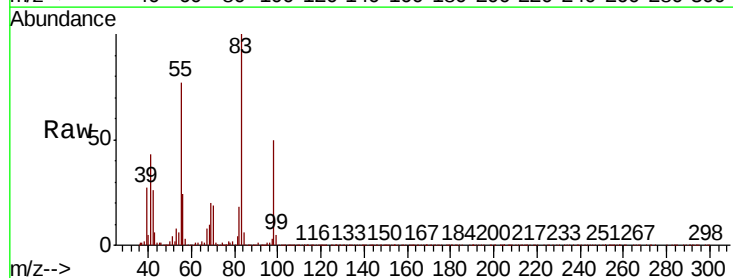
Tgt Ion: 83 Resp: 160602

Ion Ratio Lower Upper

83 100

55 77.4 39.4 118.1

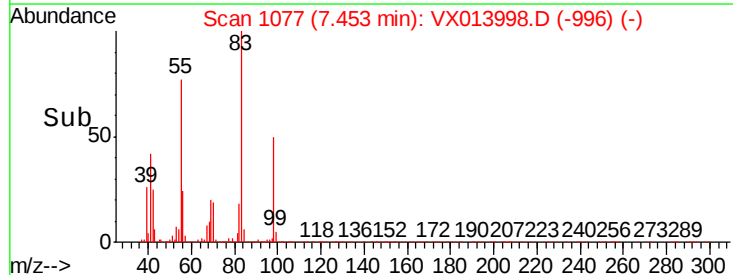
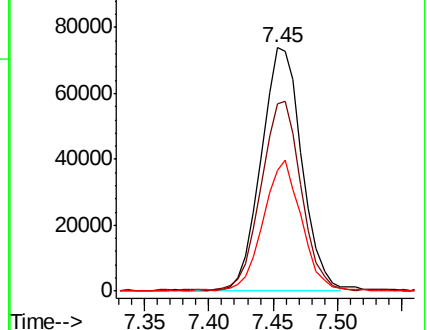
98 50.2 25.1 75.3

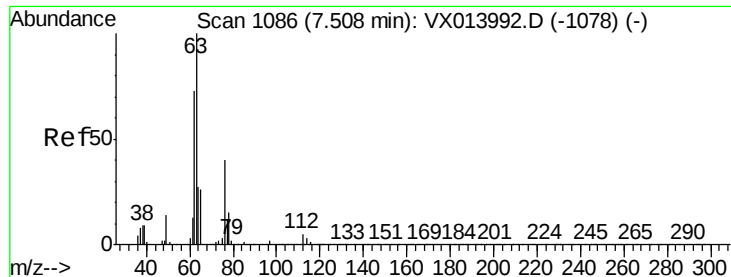


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 18.083 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

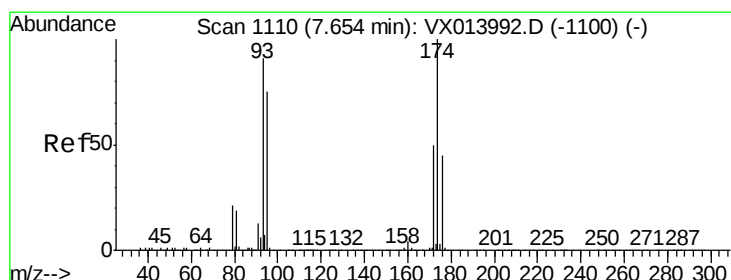
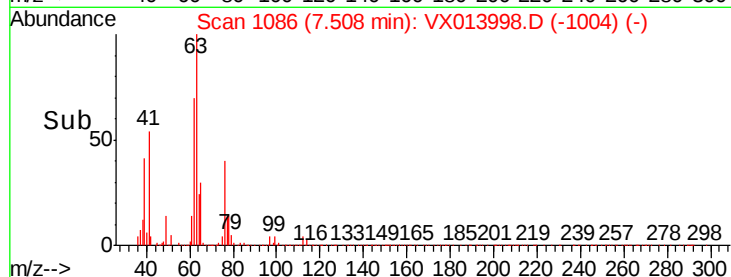
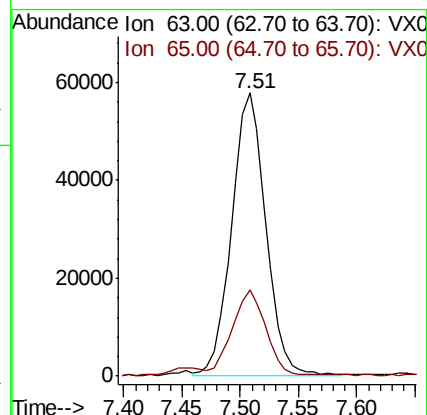
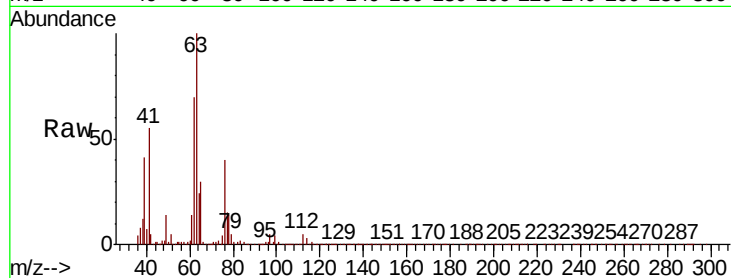
VX1212WBS04

Tot Ion: 63 Resp: 116964

Ion Ratio Lower Upper

63 100

65 29.7 22.1 33.1



#40

Dibromomethane

Concen: 18.299 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

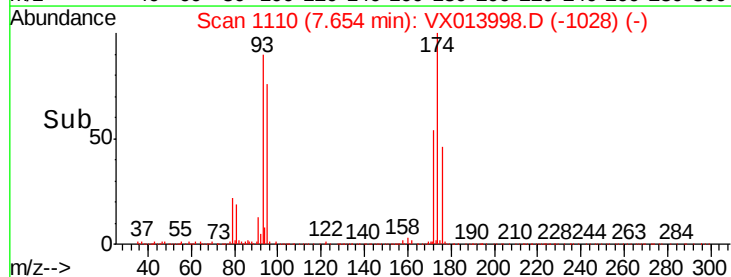
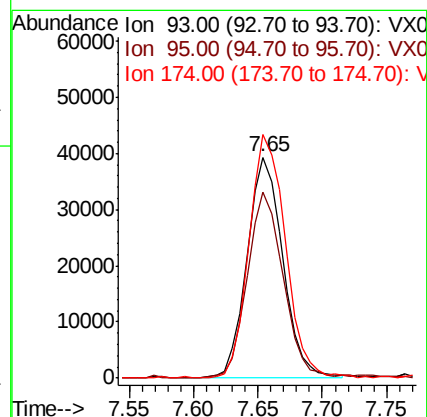
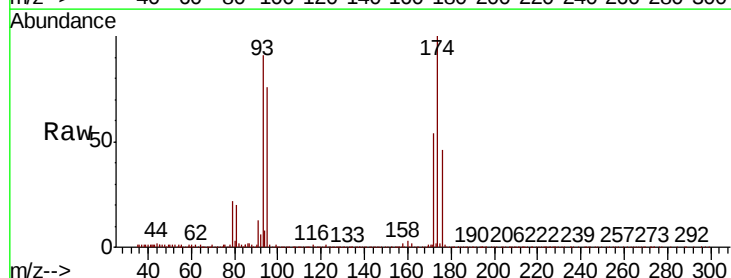
Tgt Ion: 93 Resp: 75613

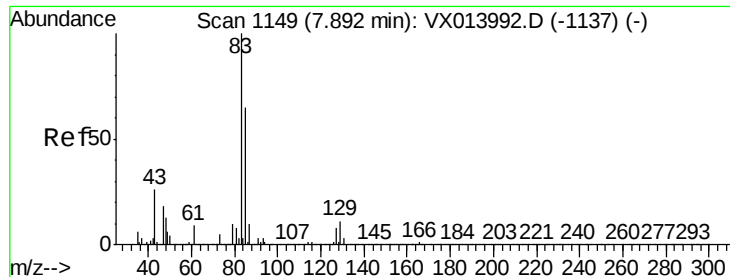
Ion Ratio Lower Upper

93 100

95 82.7 0.0 164.4

174 112.4 0.0 228.8

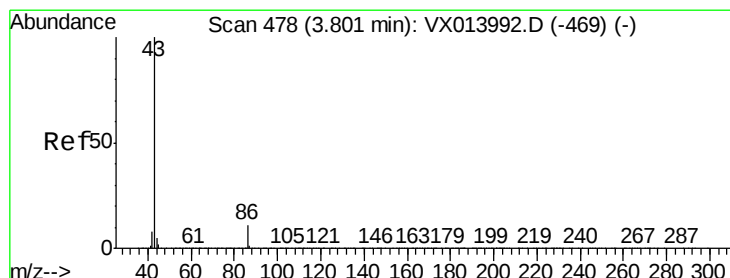
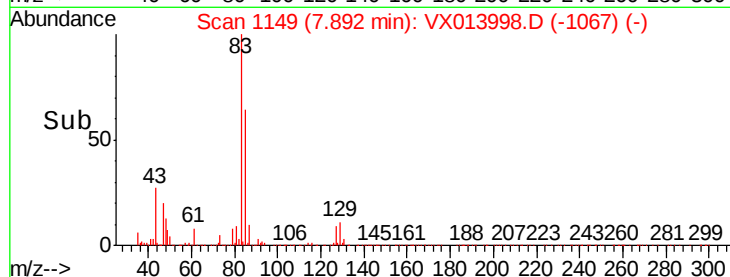
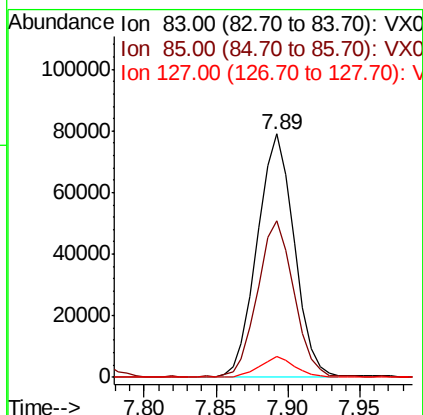
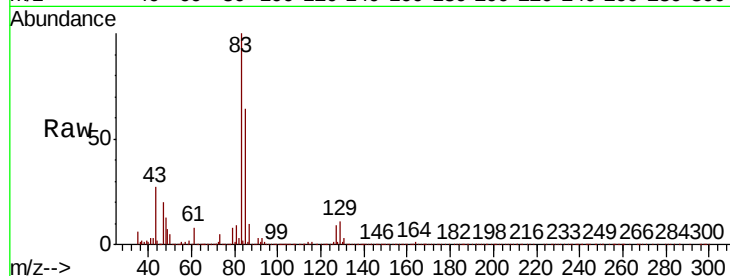




#41
Bromodichloromethane
Concen: 17.580 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

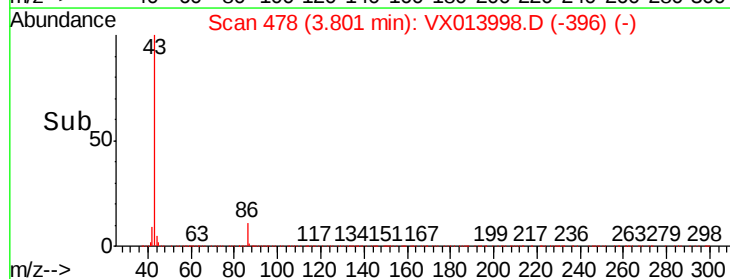
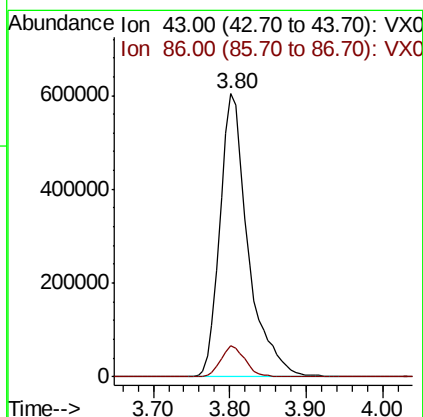
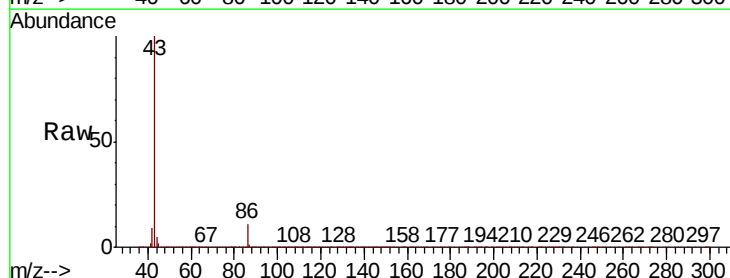
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

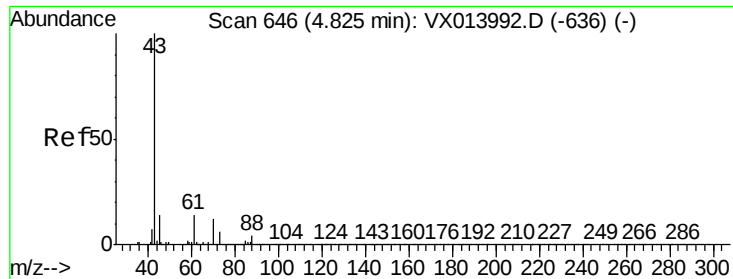
Tot Ion: 83 Resp: 140653
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4
127 8.6 6.0 9.0



#42
Vinyl Acetate
Concen: 92.563 ug/l
RT: 3.80 min Scan# 478
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 43 Resp: 1538434
Ion Ratio Lower Upper
43 100
86 9.6 7.7 11.5

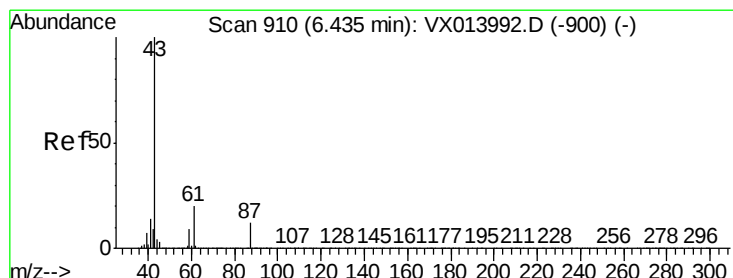
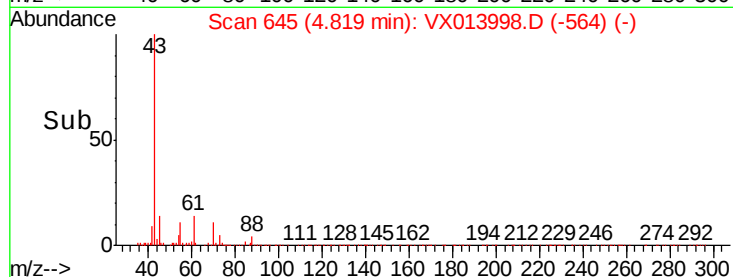
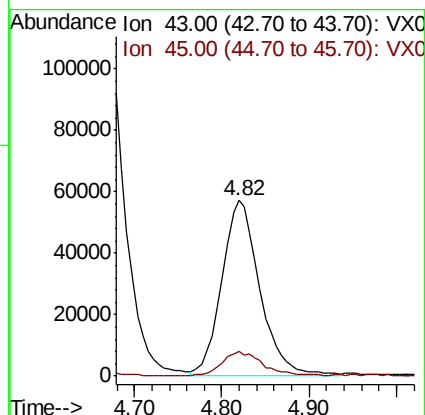
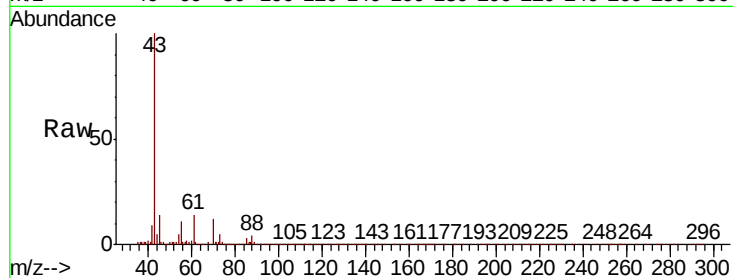




#43
Ethyl Acetate
Concen: 18.826 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

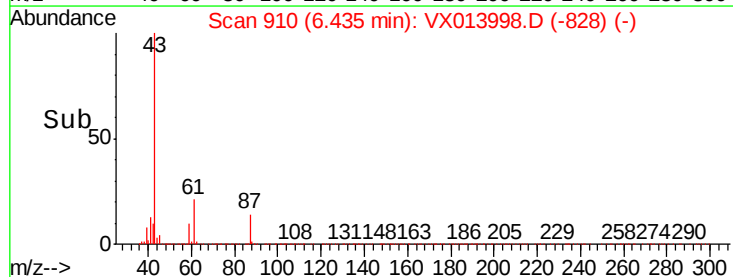
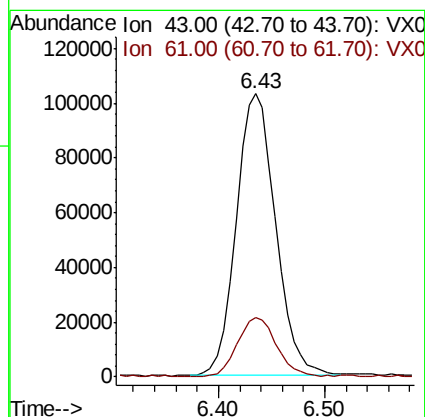
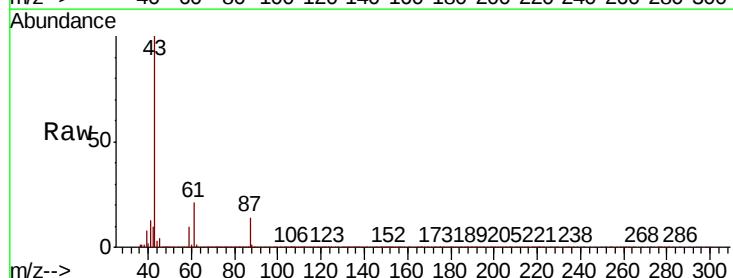
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

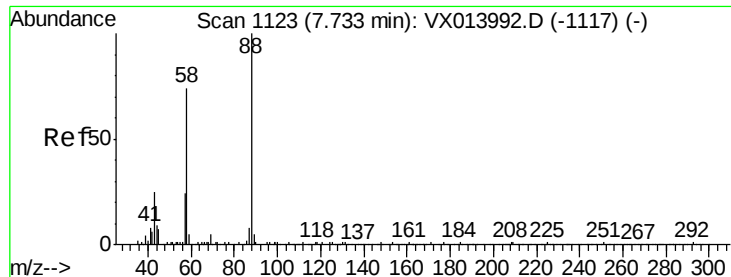
Tot Ion: 43 Resp: 170059
Ion Ratio Lower Upper
43 100
45 14.0 11.8 17.8



#44
Isopropyl Acetate
Concen: 17.663 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 43 Resp: 267225
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9

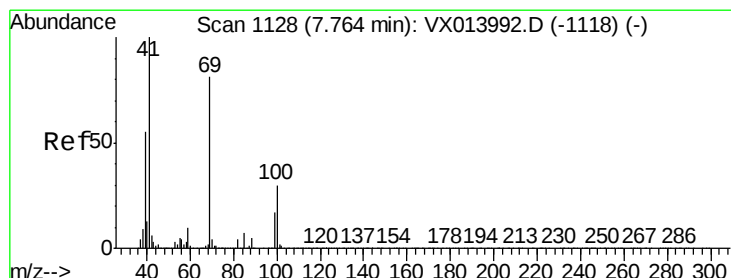
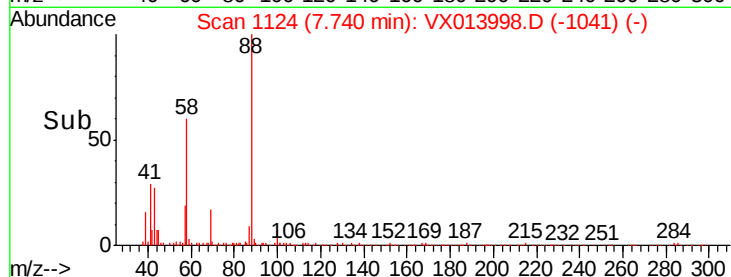
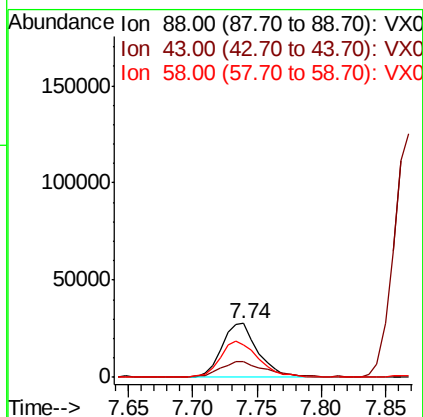
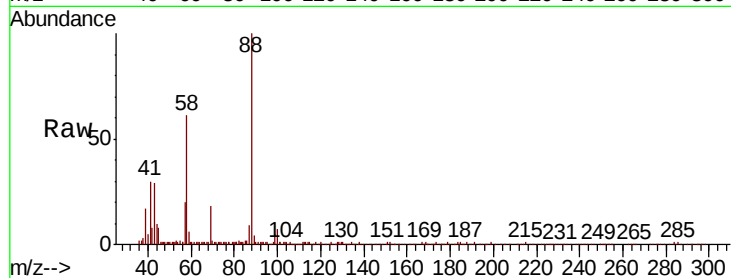




#45
1,4-Dioxane
Concen: 379.616 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

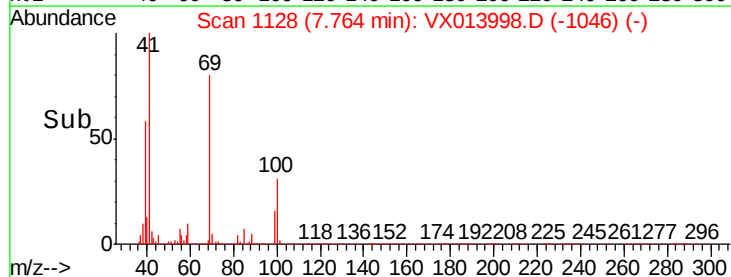
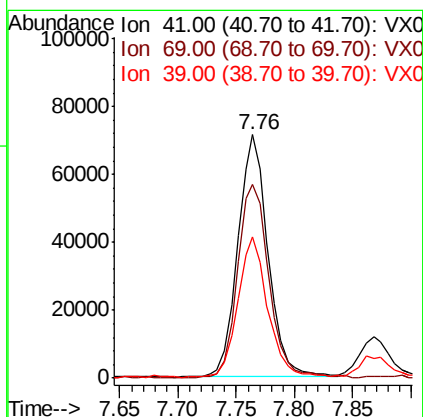
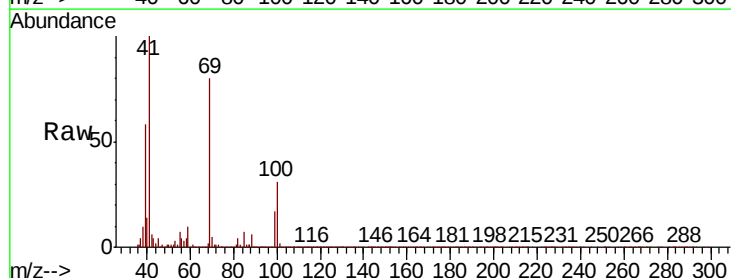
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

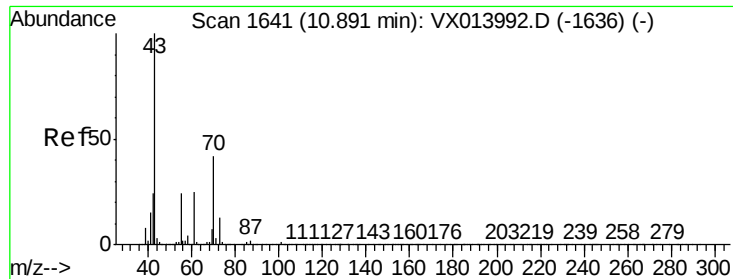
Tot Ion: 88 Resp: 53783
Ion Ratio Lower Upper
88 100
43 34.1 25.4 38.2
58 69.7 56.5 84.7



#46
Methyl methacrylate
Concen: 17.578 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 41 Resp: 129174
Ion Ratio Lower Upper
41 100
69 80.0 40.6 122.0
39 57.9 27.8 83.3





#47

n-amvl Acetate

Concen: 16.763 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

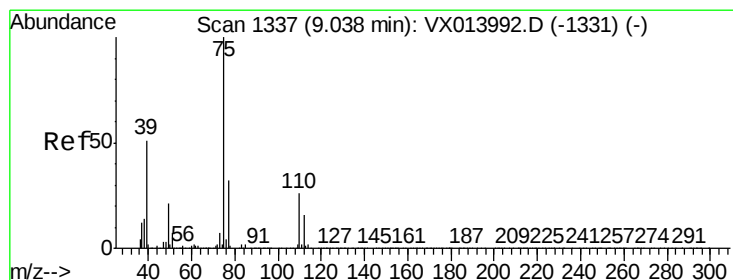
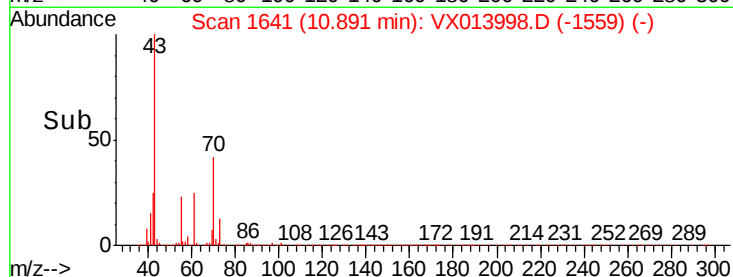
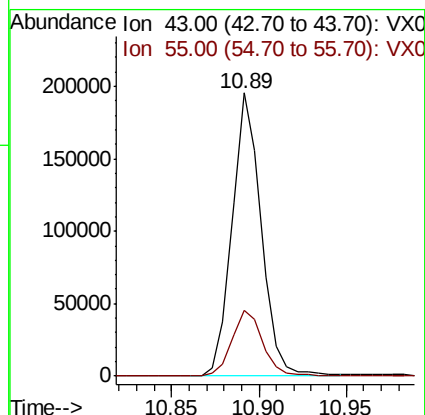
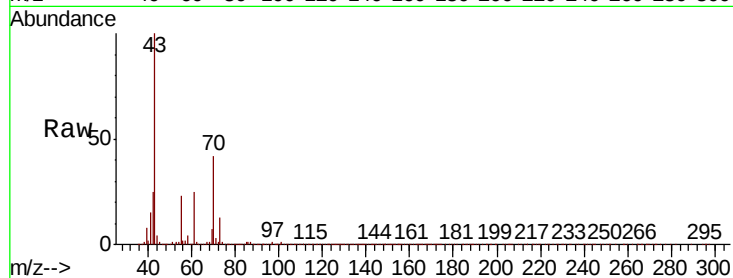
VX1212WBS04

Tot Ion: 43 Resp: 225501

Ion Ratio Lower Upper

43 100

55 24.2 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 16.970 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013998.D

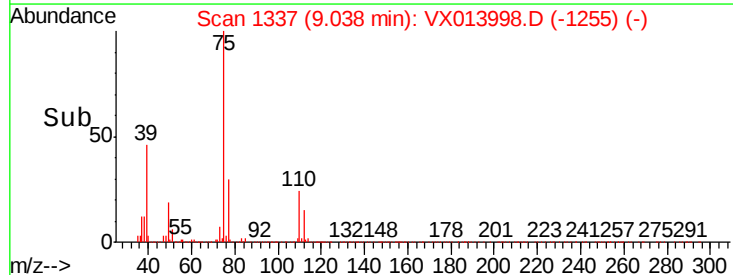
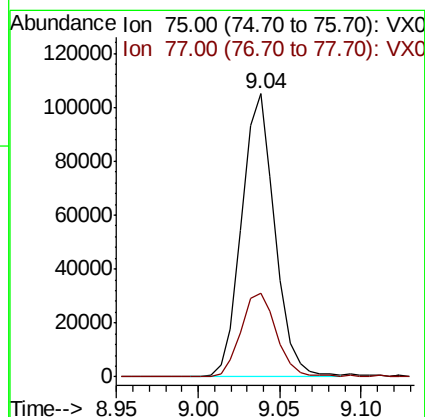
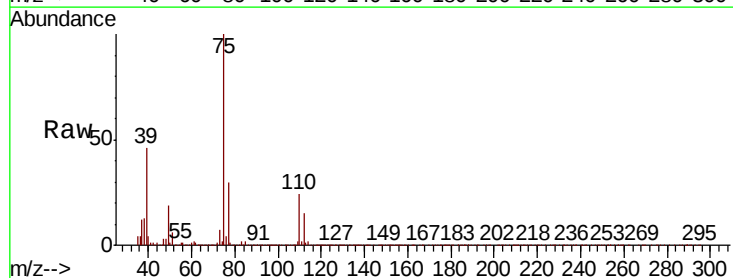
Acq: 13 Dec 2019 02:26

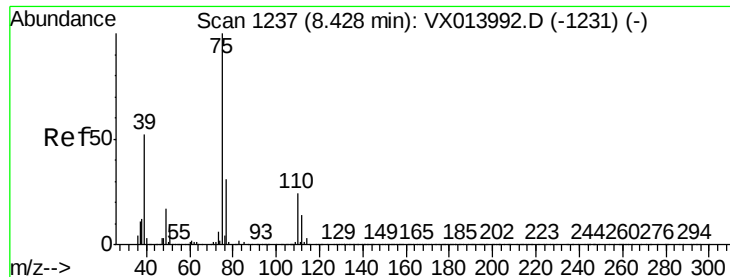
Tgt Ion: 75 Resp: 148185

Ion Ratio Lower Upper

75 100

77 29.6 26.0 39.0



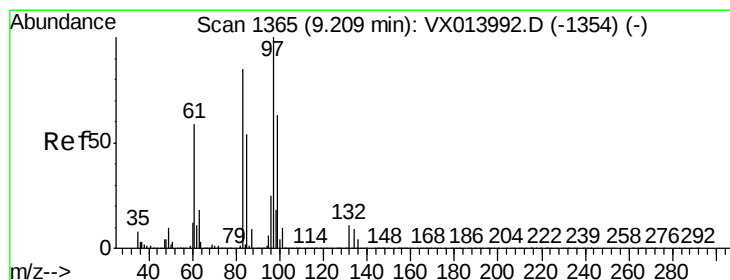
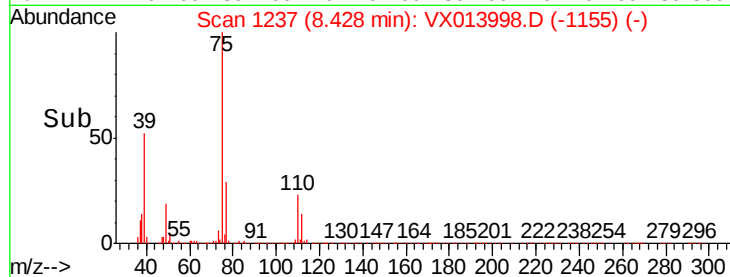
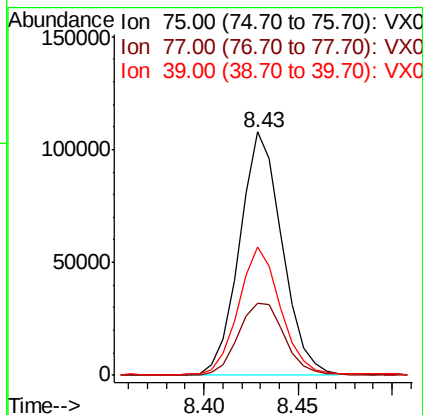
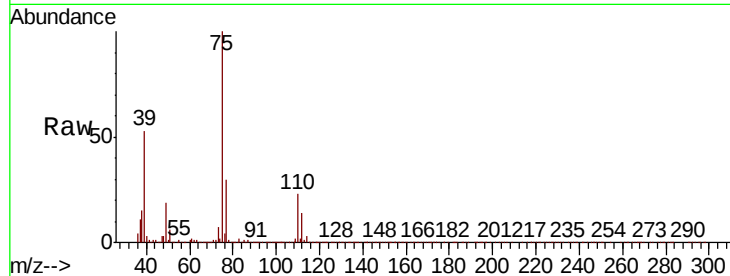


#49

cis-1,3-Dichloropropene
 Concen: 17.175 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS04

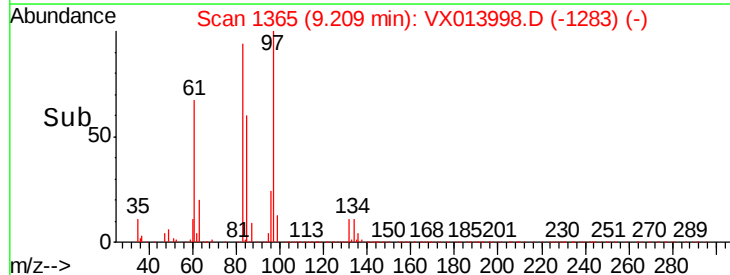
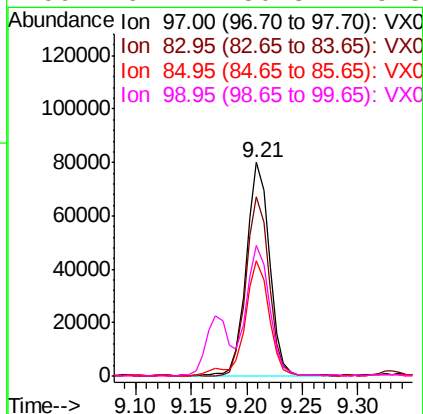
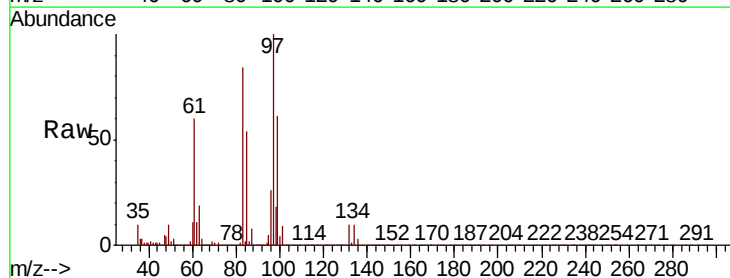
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.8	37.2
39	52.3	41.1	61.7

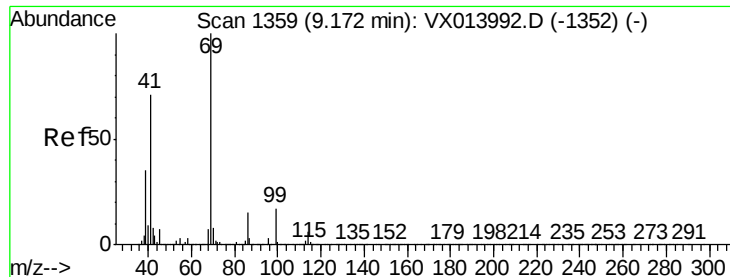


#50

1,1,2-Trichloroethane
 Concen: 18.077 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.1	102.1
85	53.9	42.7	64.1
99	61.2	50.3	75.5





#51

Ethyl methacrylate

Concen: 17.482 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

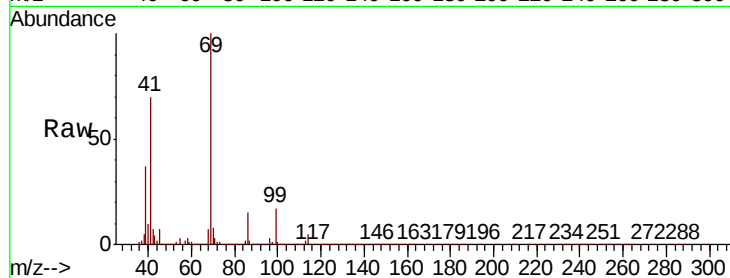
Tot Ion: 69 Resp: 177328

Ion Ratio Lower Upper

69 100

41 69.4 35.4 106.1

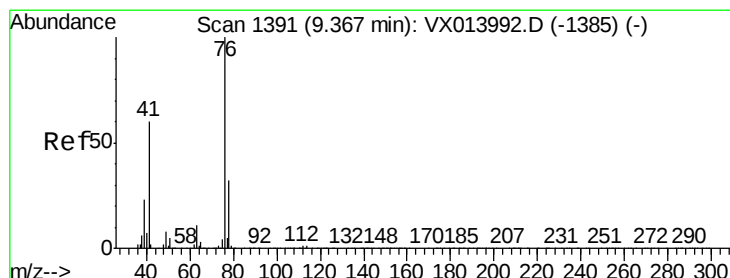
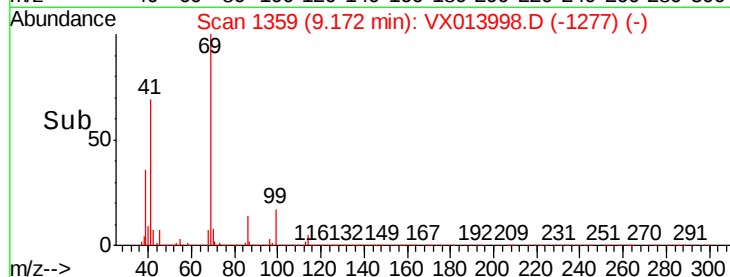
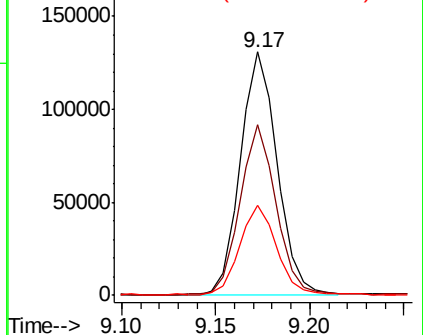
39 36.5 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.281 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013998.D

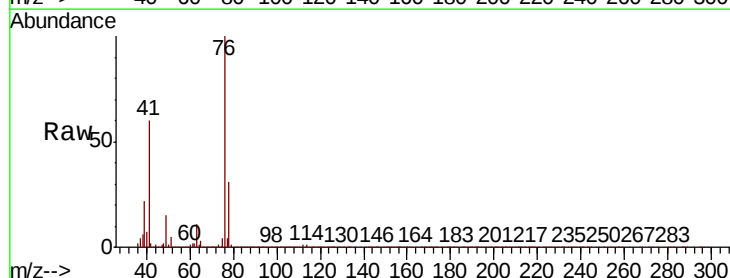
Acq: 13 Dec 2019 02:26

Tgt Ion: 76 Resp: 198059

Ion Ratio Lower Upper

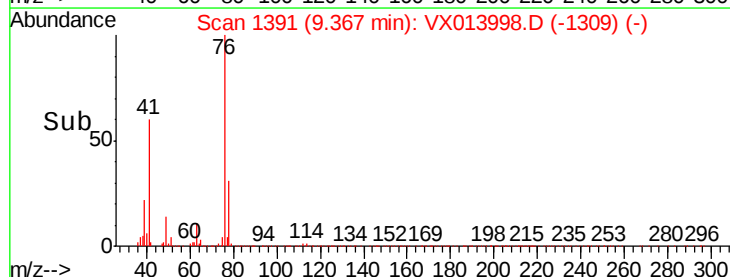
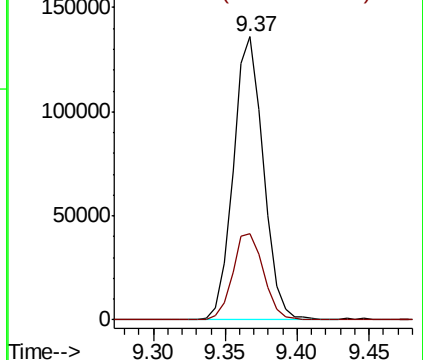
76 100

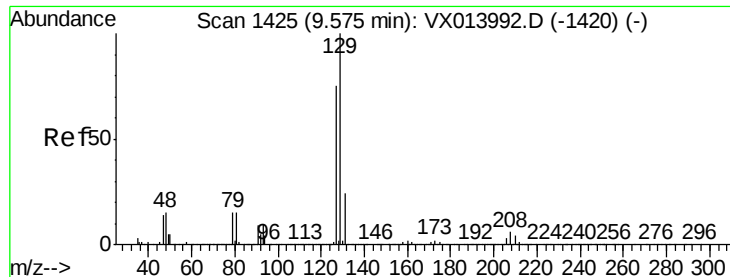
78 31.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.241 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

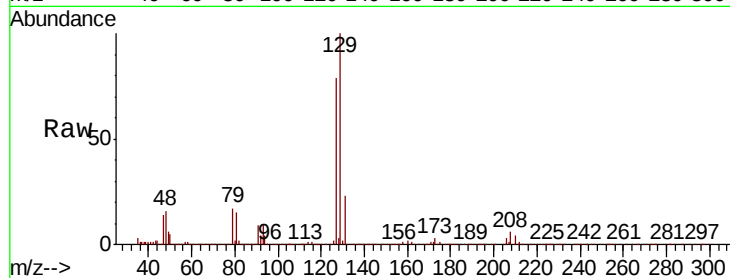
VX1212WBS04

Tot Ion:129 Resp: 109939

Ion Ratio Lower Upper

129 100

127 78.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

80000

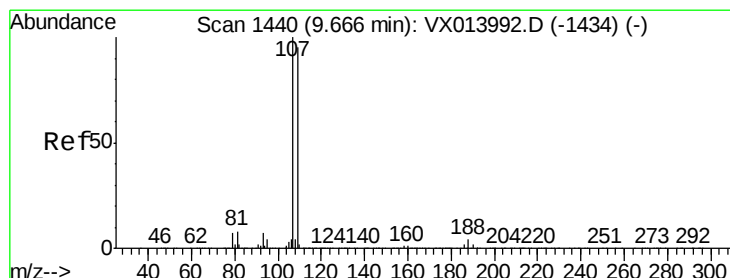
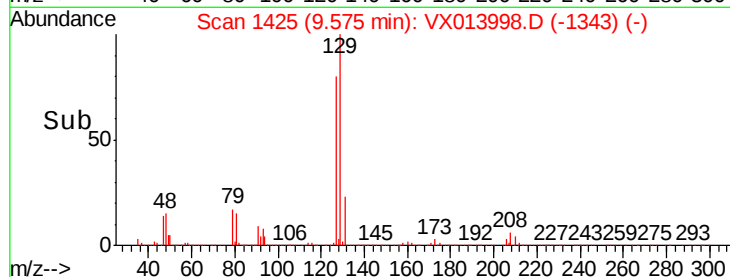
60000

40000

20000

0

Time--> 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 18.292 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013998.D

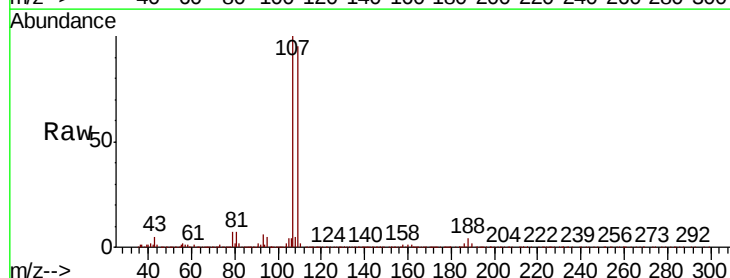
Acq: 13 Dec 2019 02:26

Tgt Ion:107 Resp: 120099

Ion Ratio Lower Upper

107 100

109 94.3 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

100000

80000

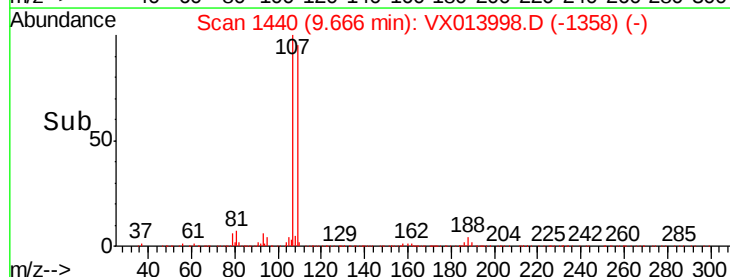
60000

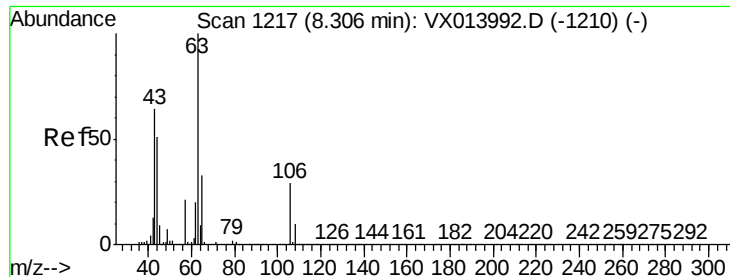
40000

20000

0

Time--> 9.60 9.65 9.70 9.75





#55

2-Chloroethyl vinyl ether

Concen: 88.176 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

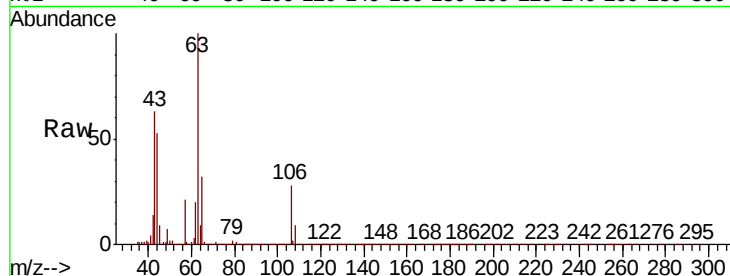
Tot Ion: 63 Resp: 394267

Ion Ratio Lower Upper

63 100

65 32.2 25.8 38.6

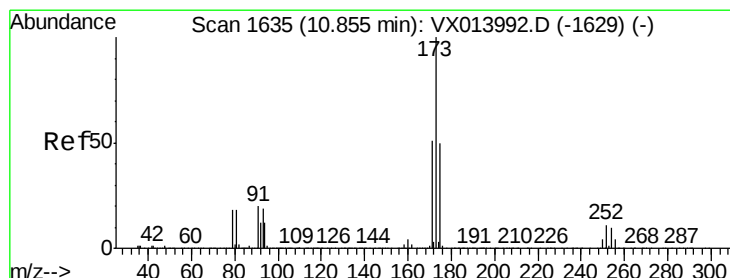
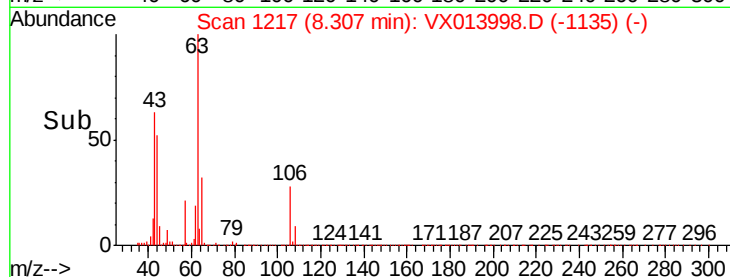
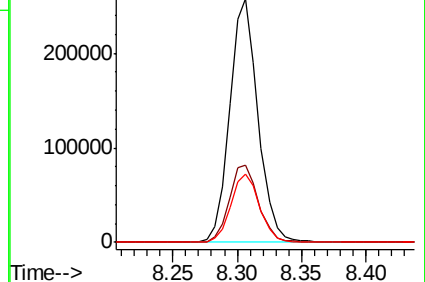
106 28.5 22.9 34.3



Abundance Ion 63.00 (62.70 to 63.70): VX013992.D (-1210) (-)

Ion 65.00 (64.70 to 65.70): VX013992.D (-1210) (-)

Ion 106.00 (105.70 to 106.70): VX013992.D (-1210) (-)



#56

Bromoform

Concen: 15.966 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

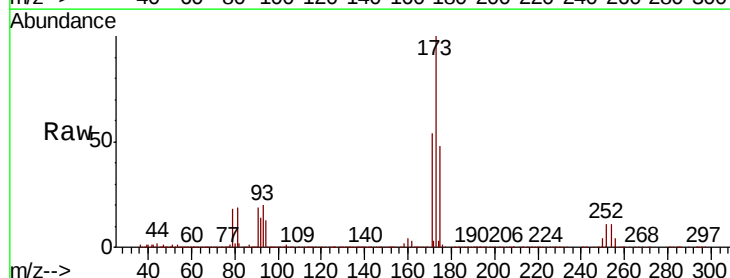
Tgt Ion: 173 Resp: 79392

Ion Ratio Lower Upper

173 100

175 50.2 39.5 59.3

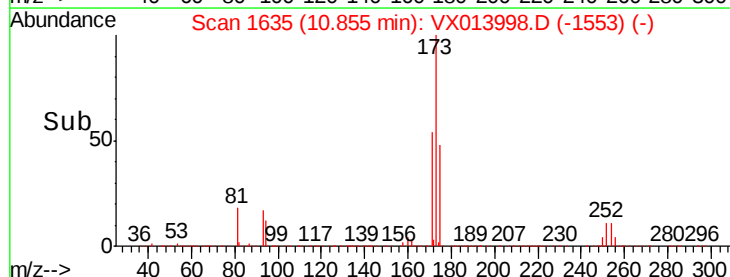
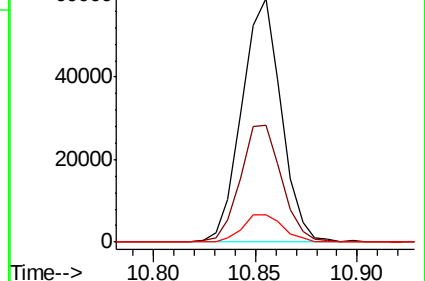
254 11.6 8.2 12.4

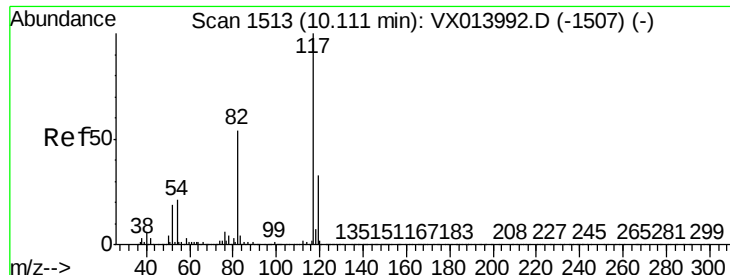


Abundance Ion 173.00 (172.70 to 173.70): VX013992.D (-1629) (-)

Ion 175.00 (174.70 to 175.70): VX013992.D (-1629) (-)

Ion 254.00 (253.70 to 254.70): VX013992.D (-1629) (-)

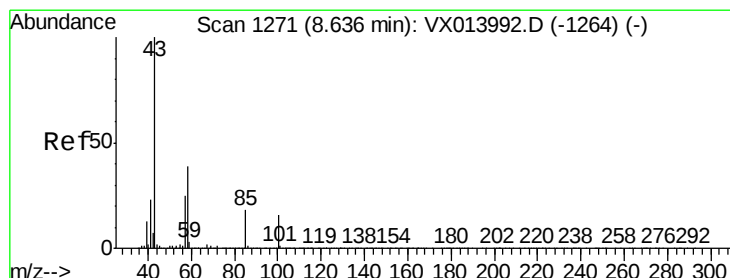
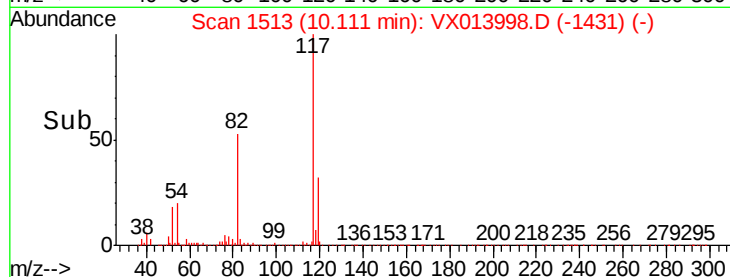
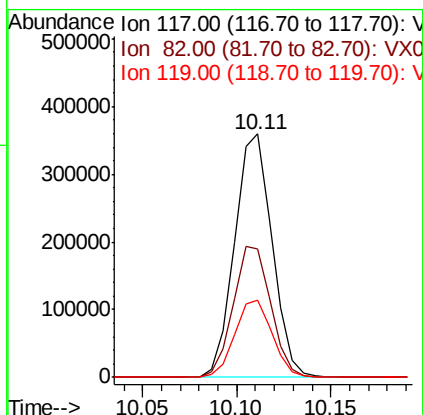
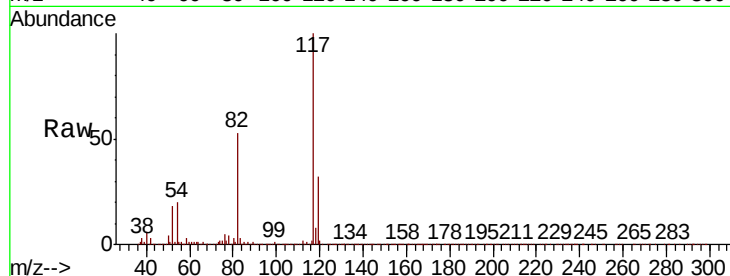




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

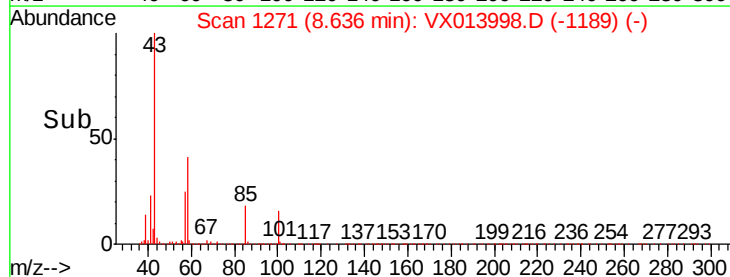
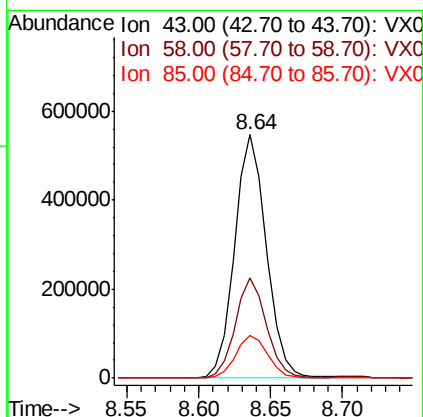
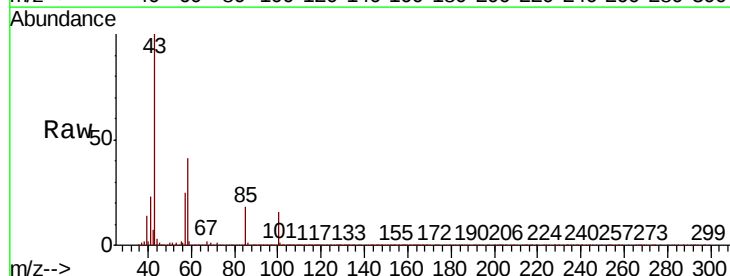
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

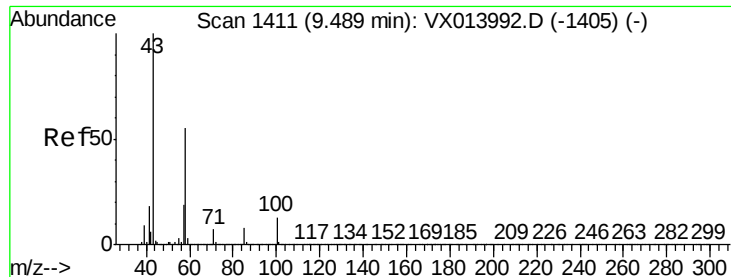
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.8	65.6
119	31.7	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 90.271 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.2	46.8
85	17.8	14.2	21.2

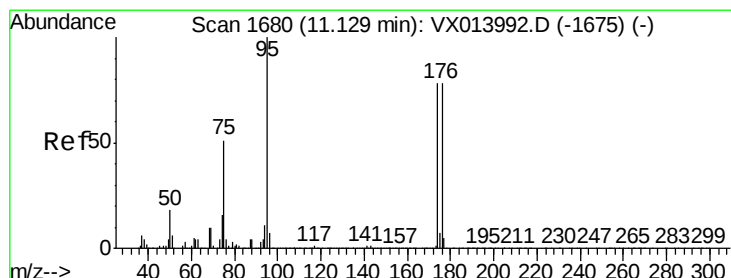
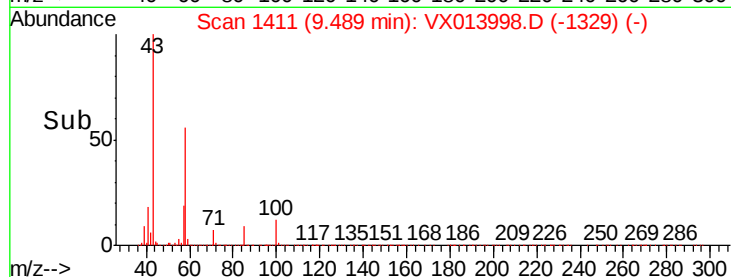
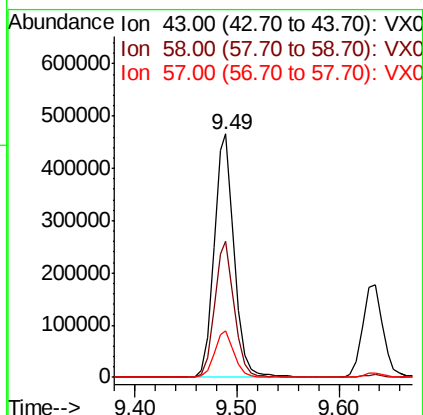
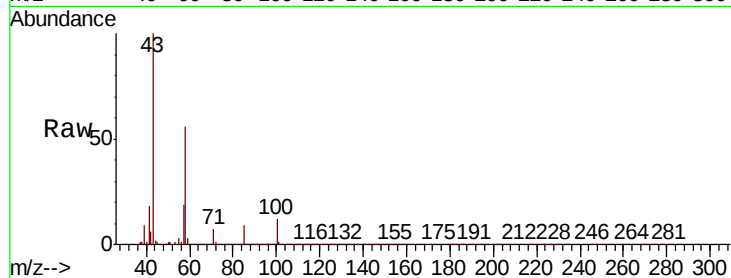




#59
2-Hexanone
Concen: 90.919 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

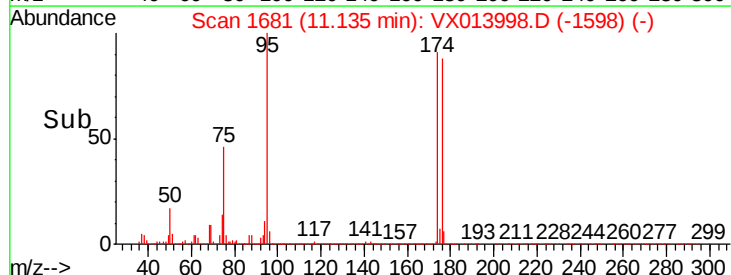
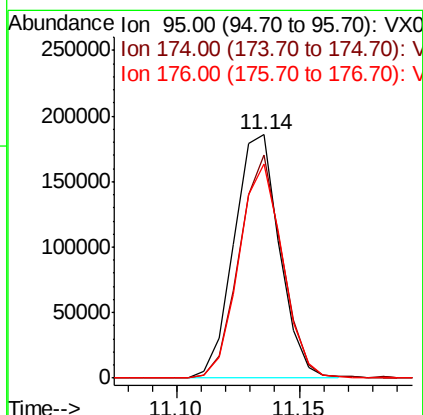
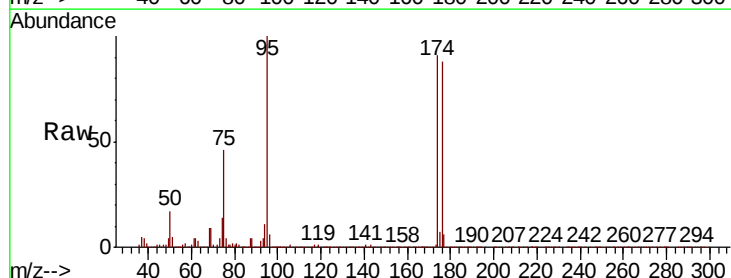
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

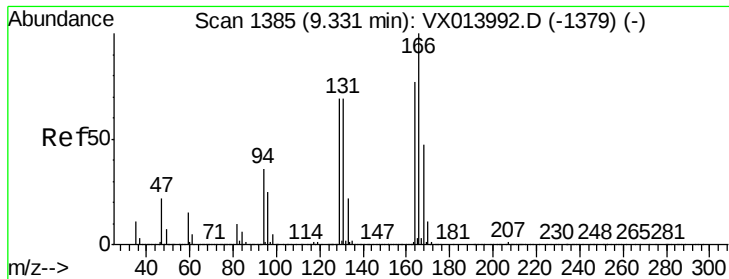
Tot Ion: 43 Resp: 640890
Ion Ratio Lower Upper
43 100
58 55.1 43.8 65.6
57 18.6 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.844 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 95 Resp: 239244
Ion Ratio Lower Upper
95 100
174 86.6 70.2 105.2
176 84.9 68.3 102.5





#61

Tetrachloroethene

Concen: 17.268 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

Tot Ion:164 Resp: 113409

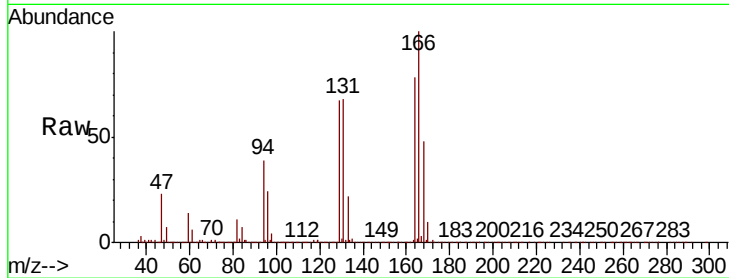
Ion Ratio Lower Upper

164 100

166 127.3 104.2 156.2

129 85.3 71.6 107.4

131 86.6 71.7 107.5

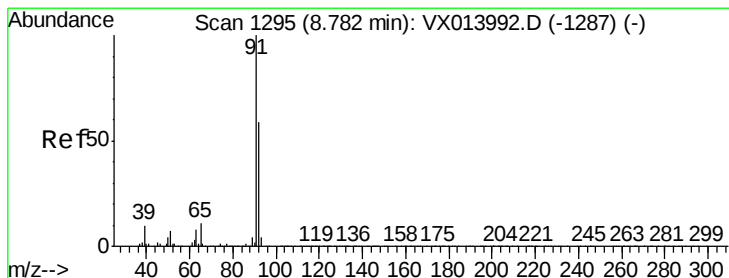
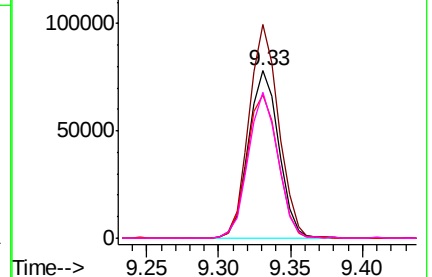
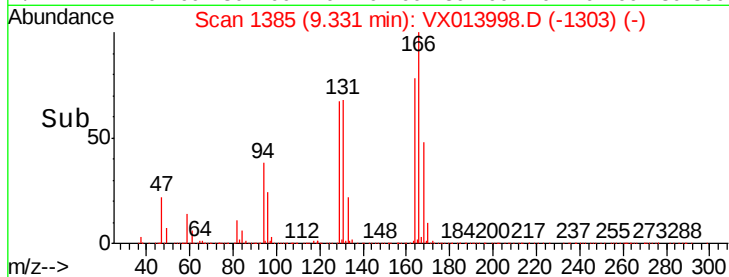


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.207 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013998.D

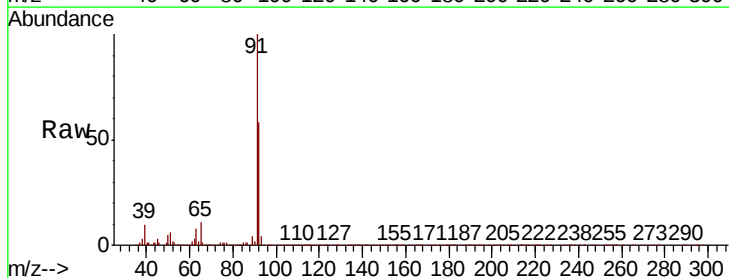
Acq: 13 Dec 2019 02:26

Tgt Ion: 91 Resp: 480737

Ion Ratio Lower Upper

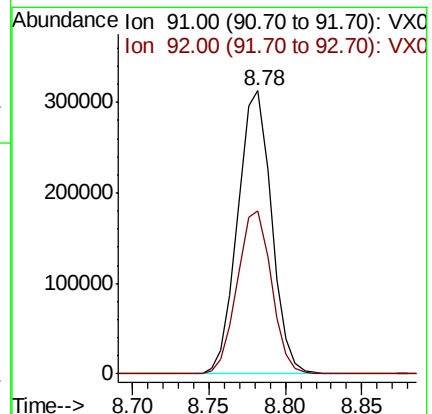
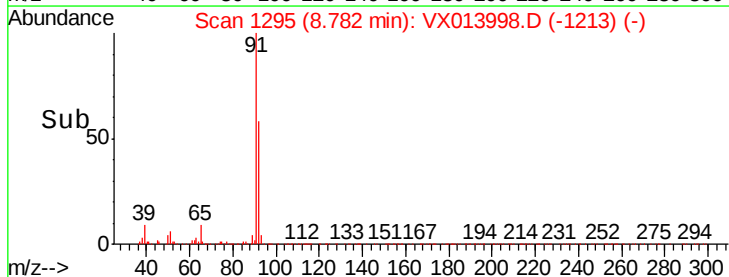
91 100

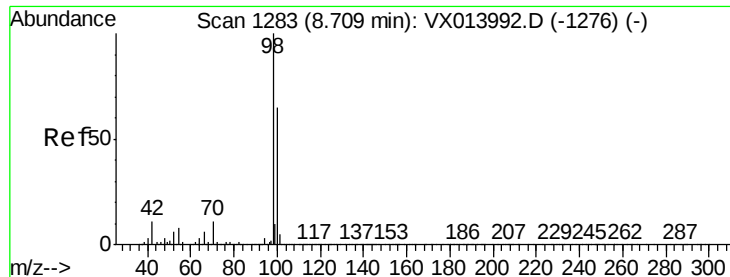
92 58.3 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.793 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

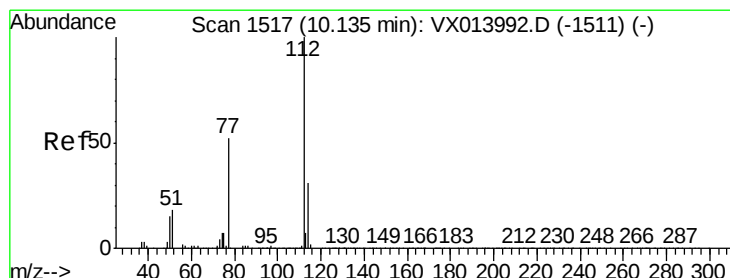
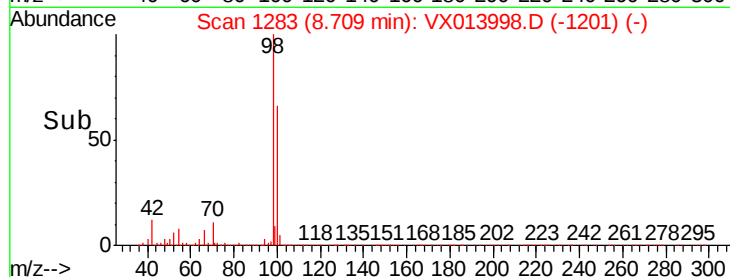
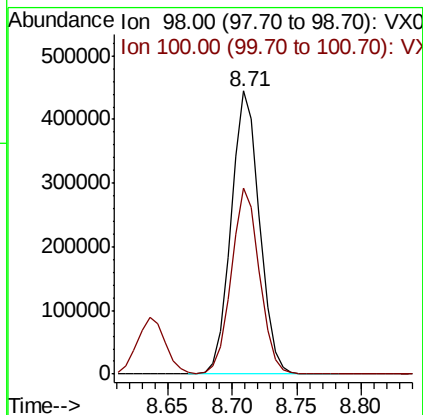
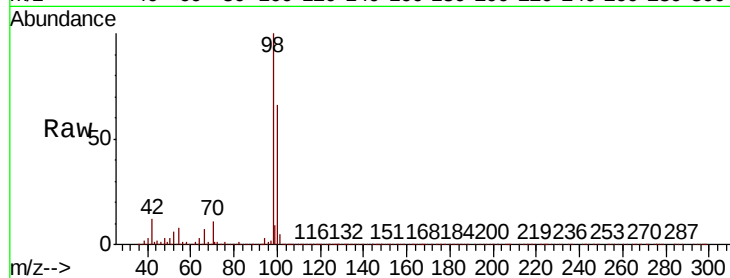
VX1212WBS04

Tot Ion: 98 Resp: 683302

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#64

Chlorobenzene

Concen: 18.032 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013998.D

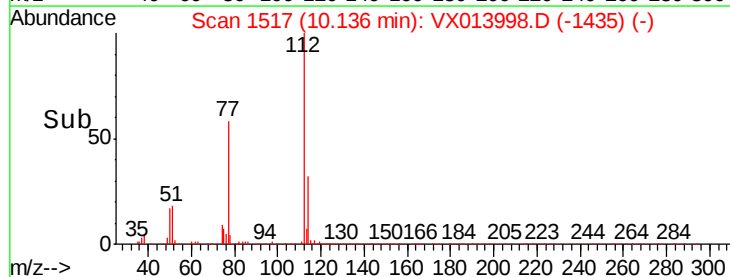
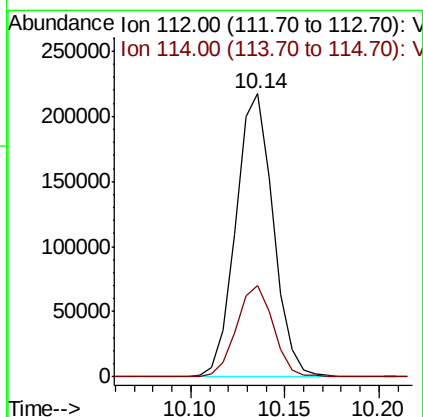
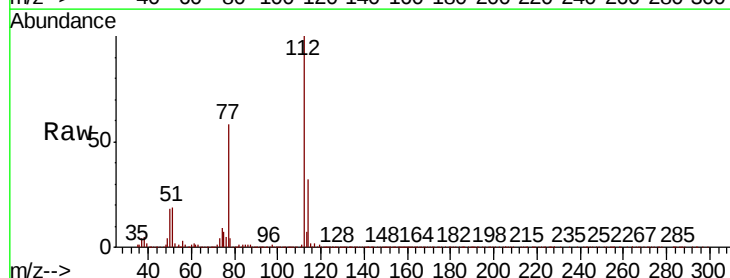
Acq: 13 Dec 2019 02:26

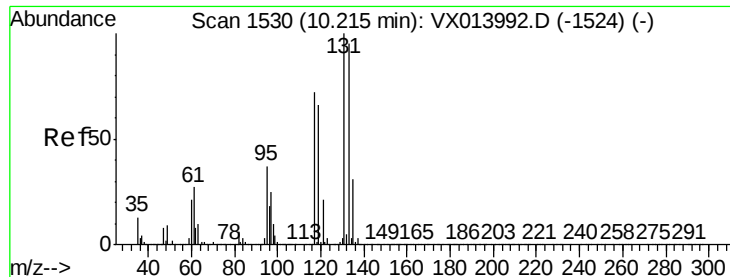
Tgt Ion: 112 Resp: 298285

Ion Ratio Lower Upper

112 100

114 32.0 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 17.643 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

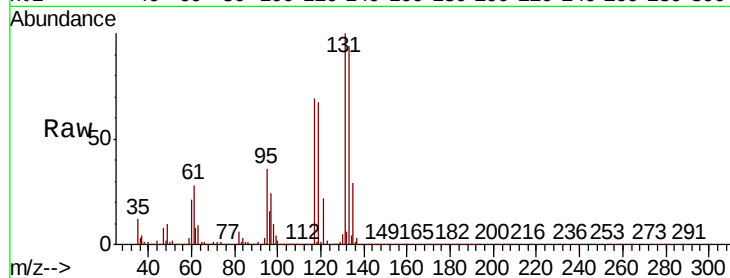
Tot Ion:131 Resp: 108067

Ion Ratio Lower Upper

131 100

133 94.9 0.0 189.8

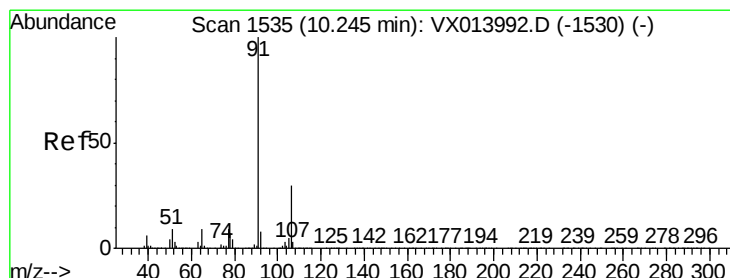
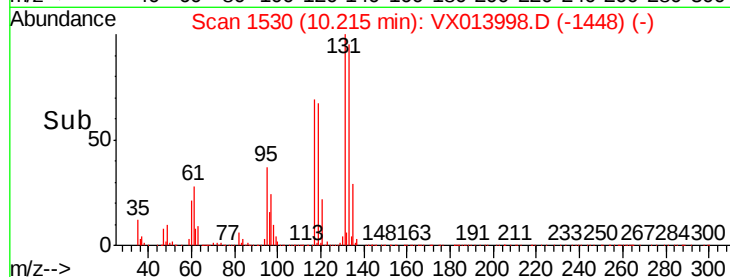
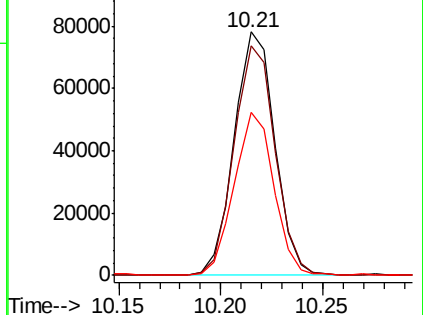
119 65.2 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.012 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013998.D

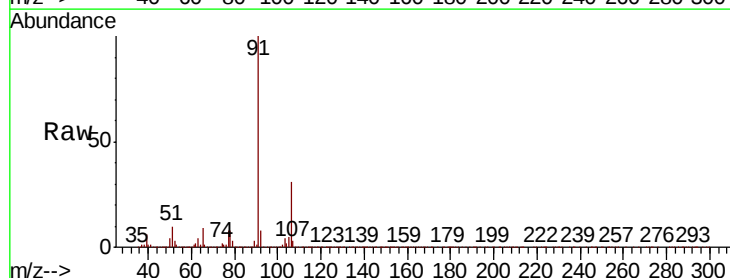
Acq: 13 Dec 2019 02:26

Tgt Ion: 91 Resp: 520466

Ion Ratio Lower Upper

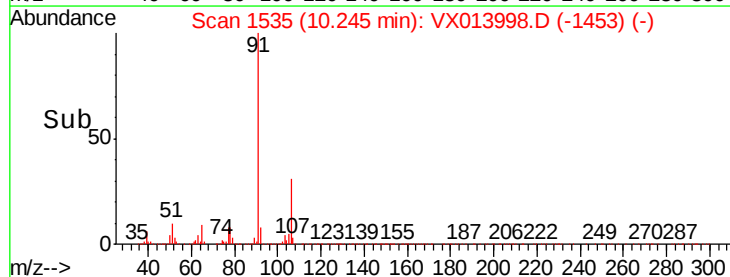
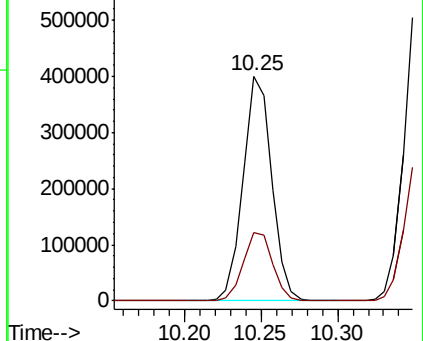
91 100

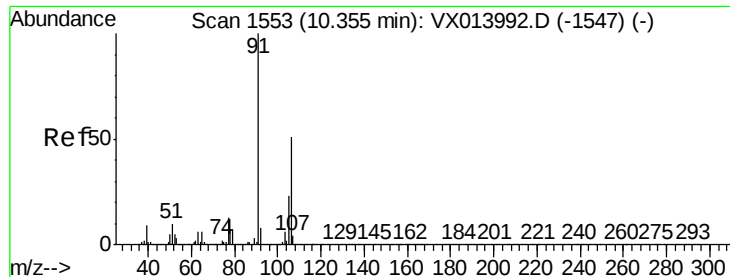
106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

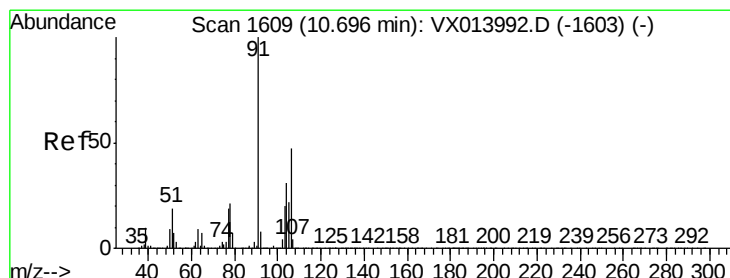
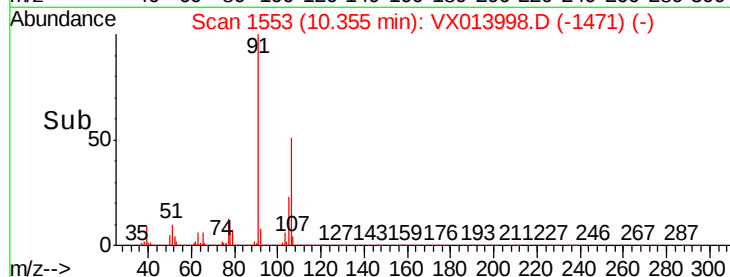
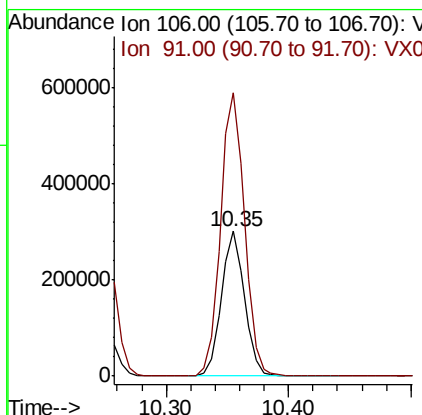
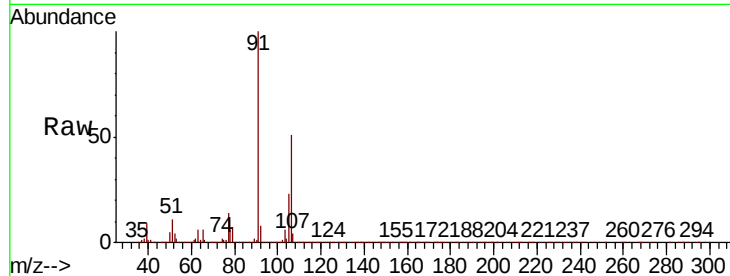




#67
m/p-Xvlenes
Concen: 35.716 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

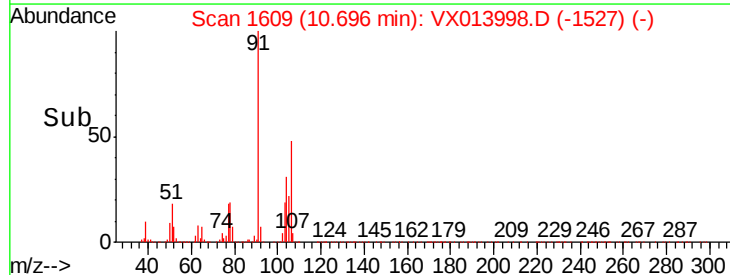
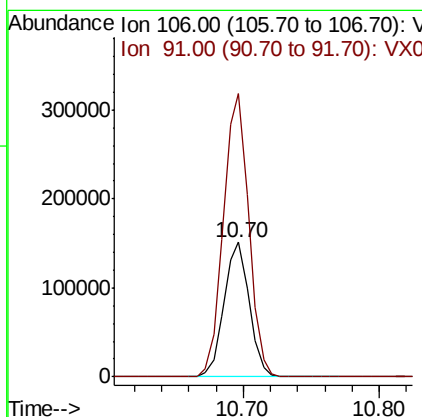
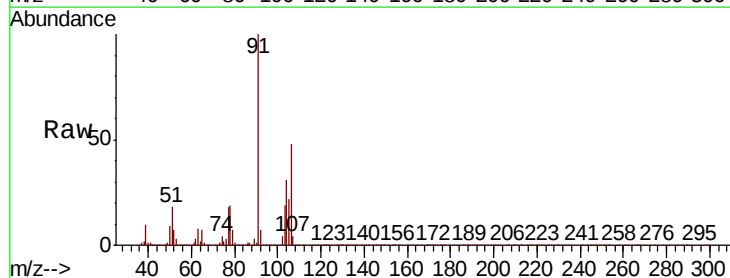
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

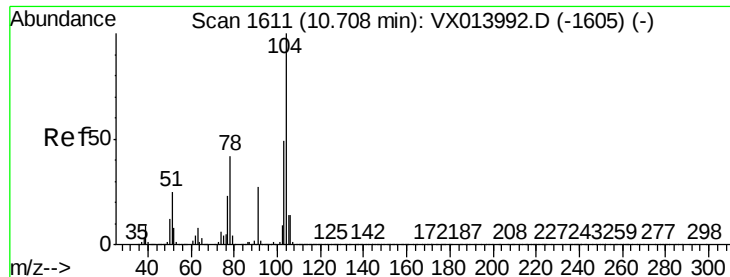
Tot Ion:106 Resp: 394499
Ion Ratio Lower Upper
106 100
91 202.0 159.3 238.9



#68
o-Xylene
Concen: 17.700 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion:106 Resp: 193679
Ion Ratio Lower Upper
106 100
91 211.5 104.8 314.6

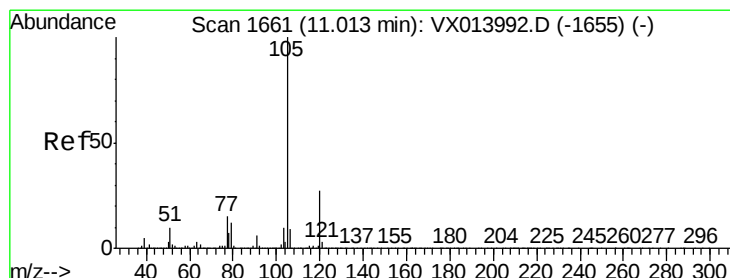
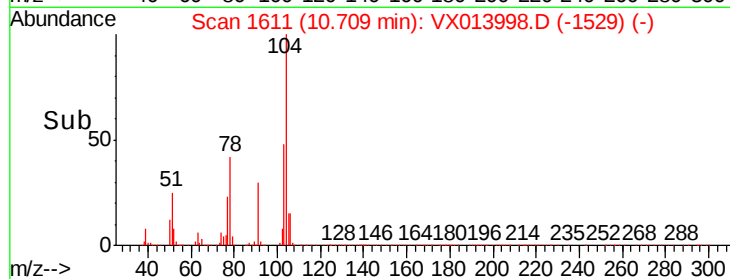
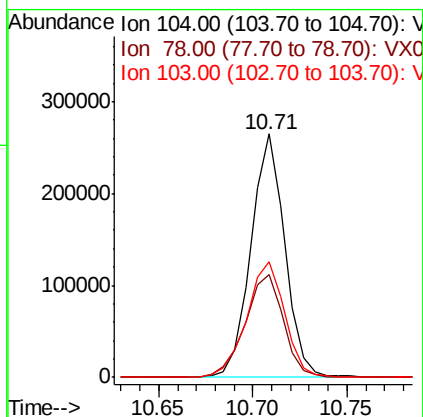
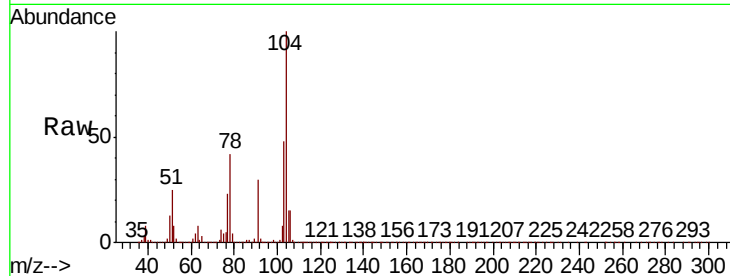




#69
Stvrene
Concen: 17.666 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

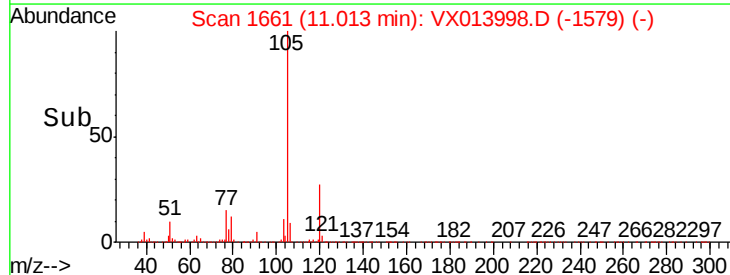
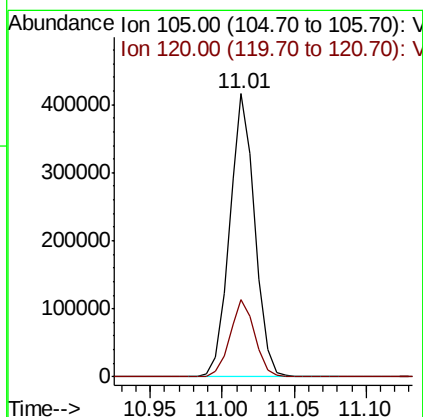
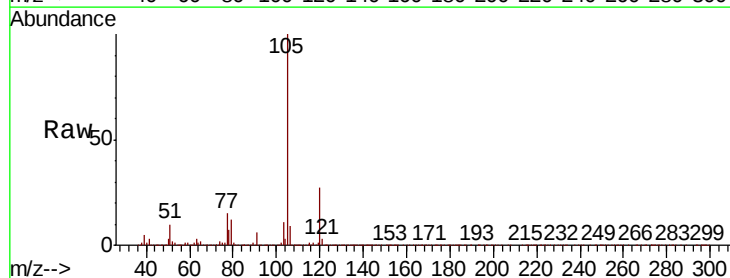
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

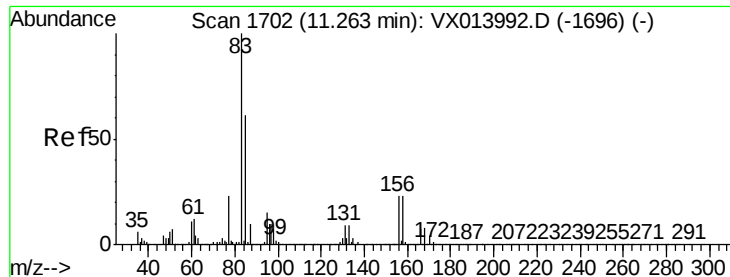
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.9	58.3
103	53.1	44.2	66.2



#70
Isopropylbenzene
Concen: 17.926 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 17.773 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

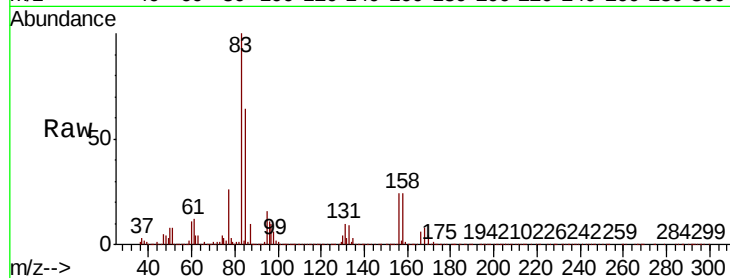
Tot Ion: 83 Resp: 178228

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

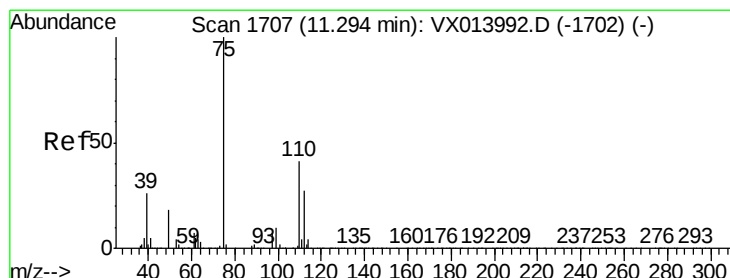
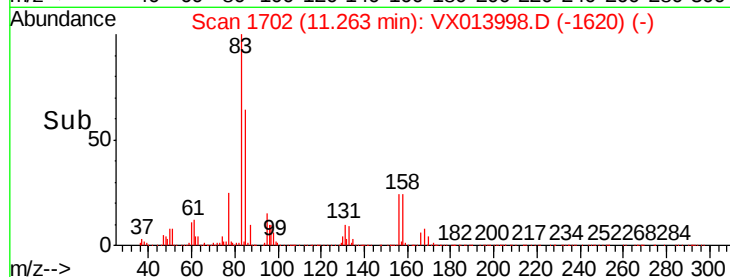
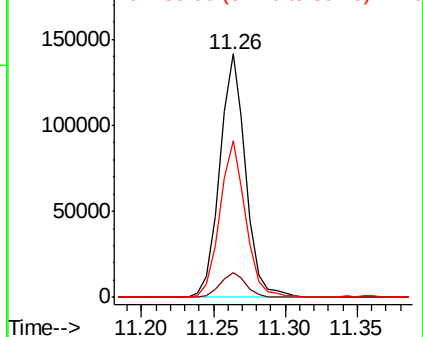
85 63.9 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 20.912 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013998.D

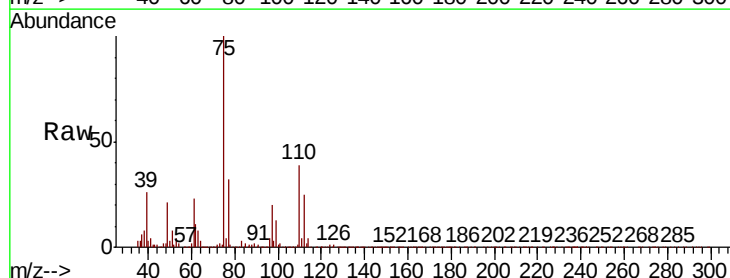
Acq: 13 Dec 2019 02:26

Tgt Ion: 75 Resp: 186664

Ion Ratio Lower Upper

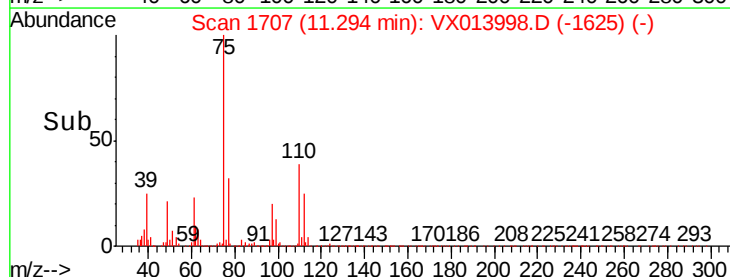
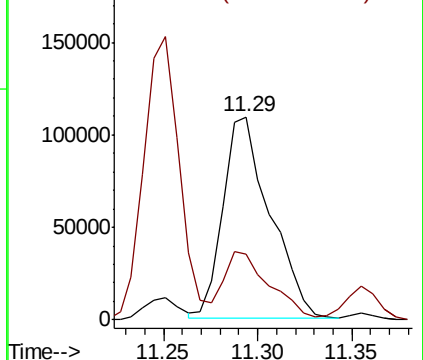
75 100

77 29.9 0.0 68.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 17.605 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

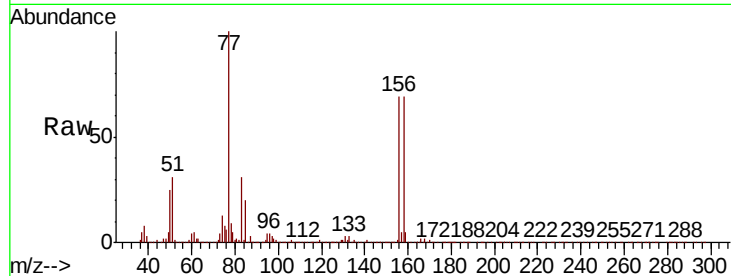
Tot Ion:156 Resp: 132893

Ion Ratio Lower Upper

156 100

77 152.5 0.0 304.6

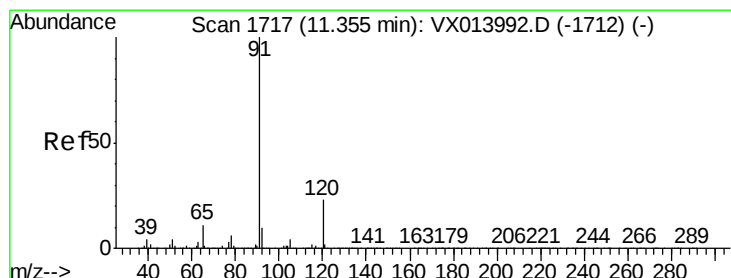
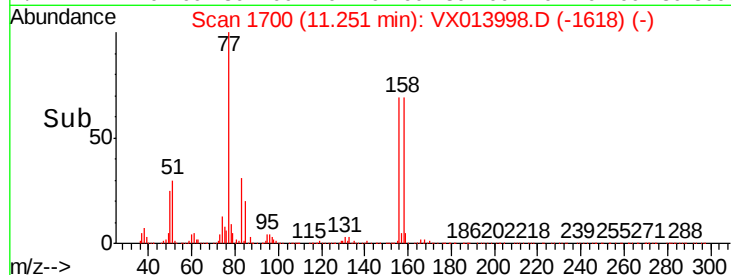
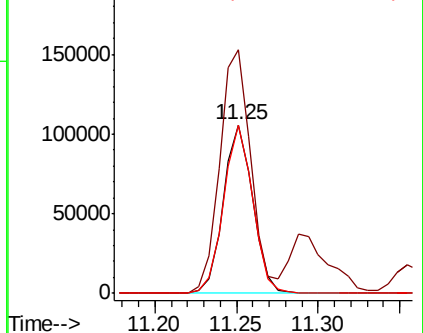
158 98.4 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.490 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013998.D

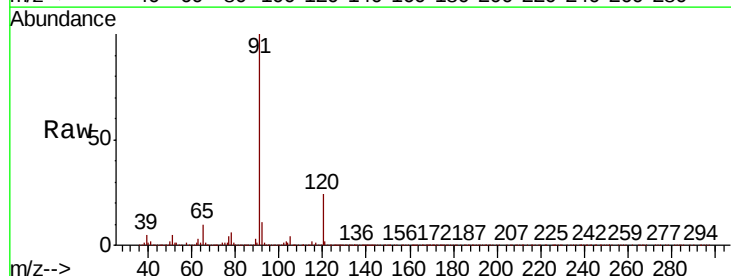
Acq: 13 Dec 2019 02:26

Tgt Ion: 91 Resp: 560953

Ion Ratio Lower Upper

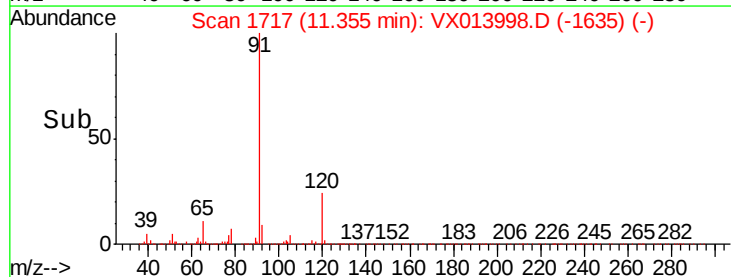
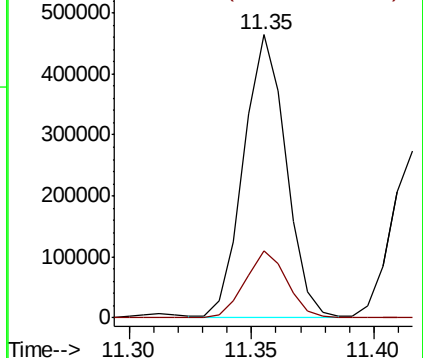
91 100

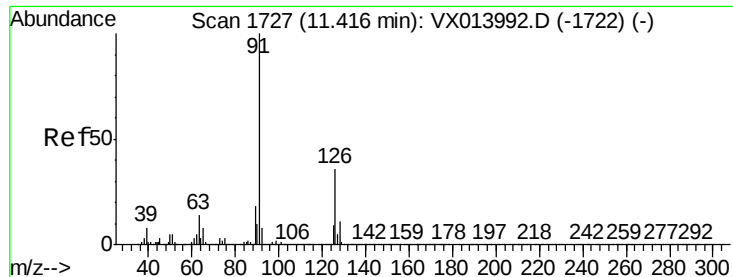
120 23.5 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.804 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampled :

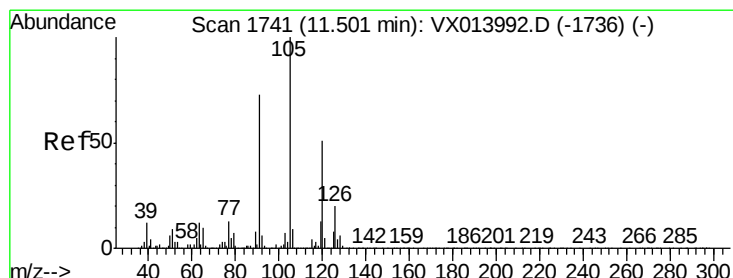
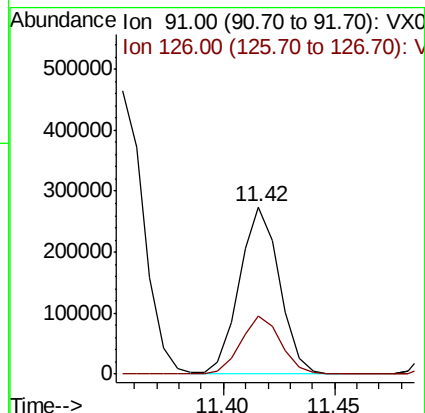
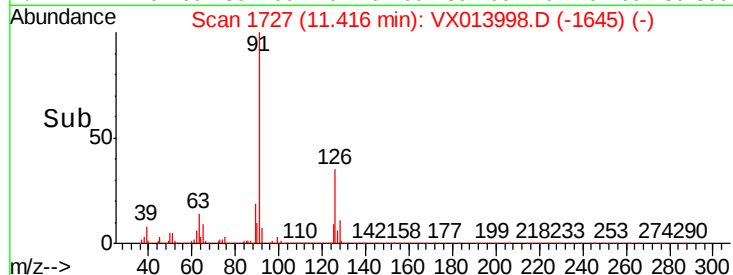
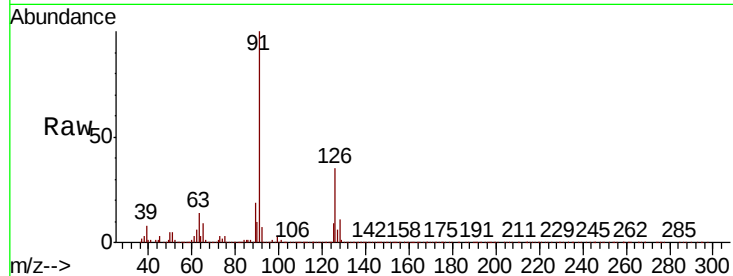
VX1212WBS04

Tot Ion: 91 Resp: 345034

Ion Ratio Lower Upper

91 100

126 34.7 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 17.585 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013998.D

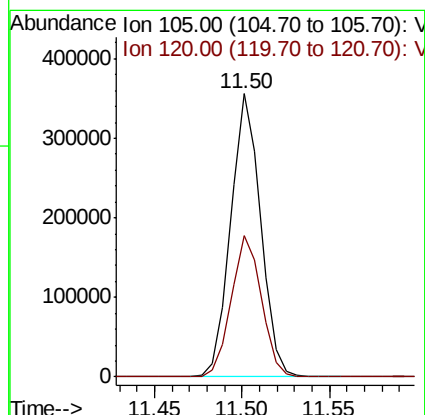
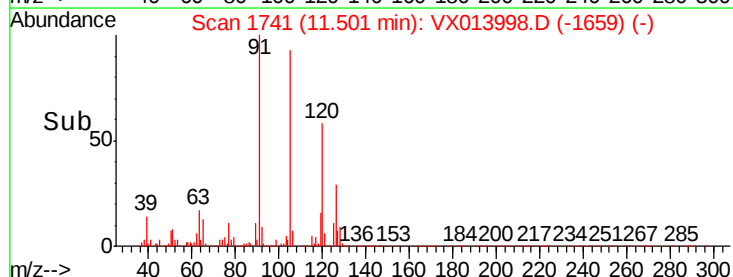
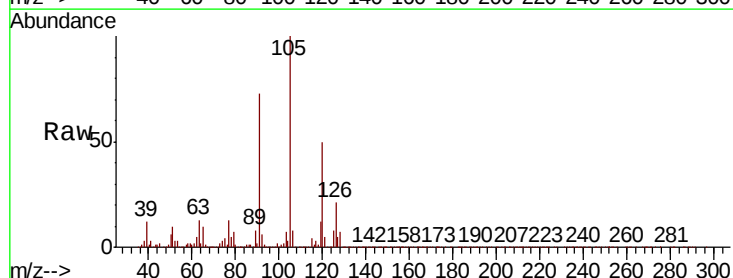
Acq: 13 Dec 2019 02:26

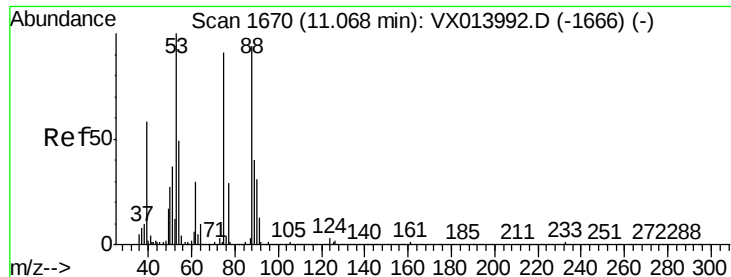
Tgt Ion: 105 Resp: 421810

Ion Ratio Lower Upper

105 100

120 50.4 0.0 100.6

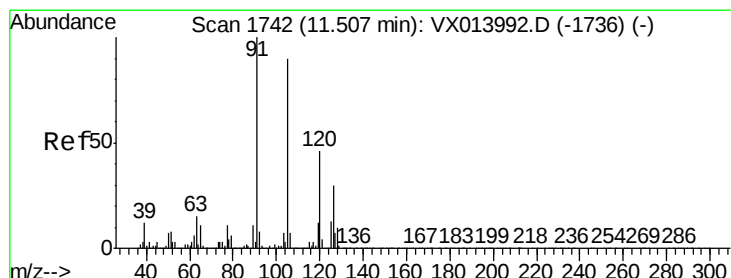
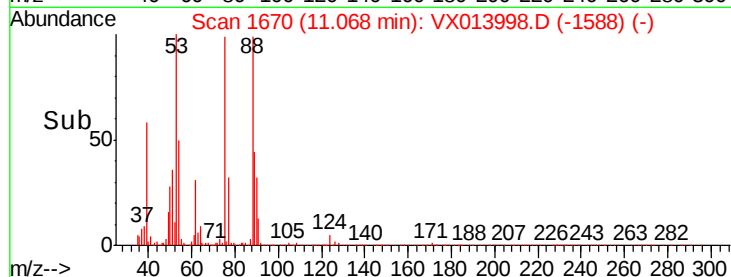
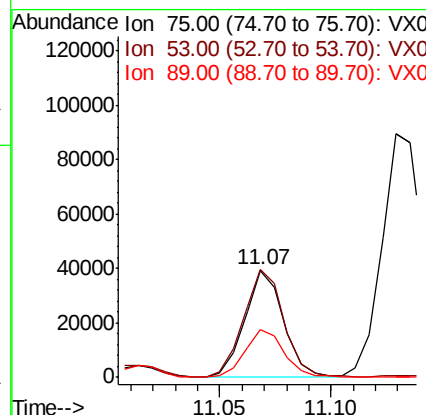
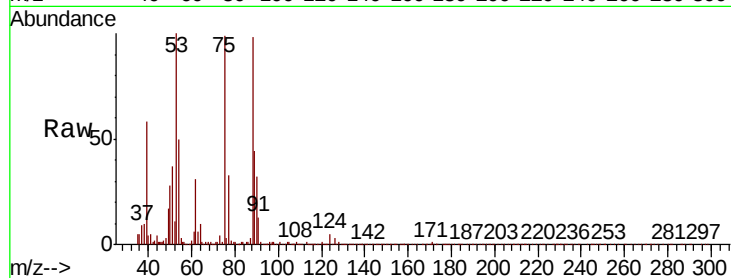




#77
t-1,4-Dichloro-2-butene
Concen: 16.081 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

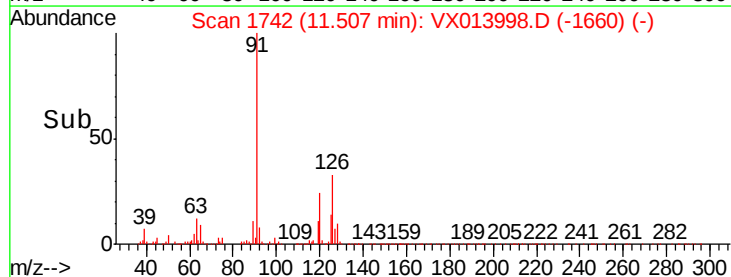
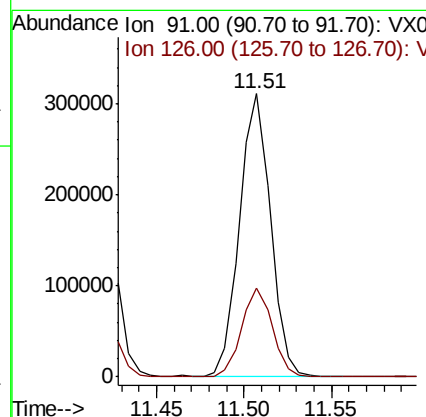
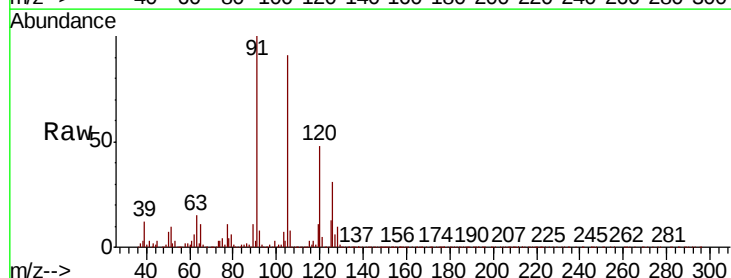
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

Tot Ion: 75 Resp: 47402
Ion Ratio Lower Upper
75 100
53 100.2 54.4 163.1
89 44.0 21.9 65.5



#78
4-Chlorotoluene
Concen: 17.342 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 91 Resp: 384037
Ion Ratio Lower Upper
91 100
126 30.9 0.0 59.6





#79

tert-butylbenzene

Concen: 17.599 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS04

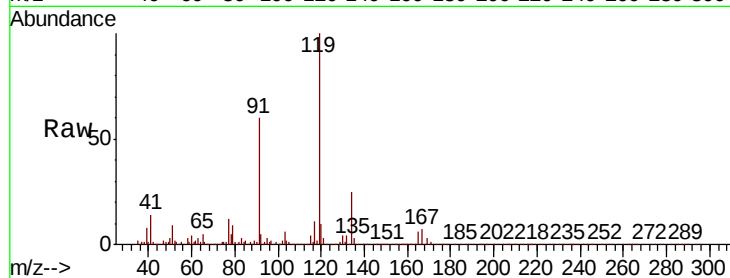
Tot Ion:119 Resp: 406917

Ion Ratio Lower Upper

119 100

91 57.0 0.0 112.6

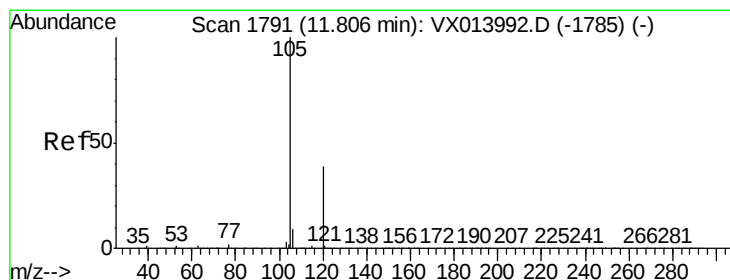
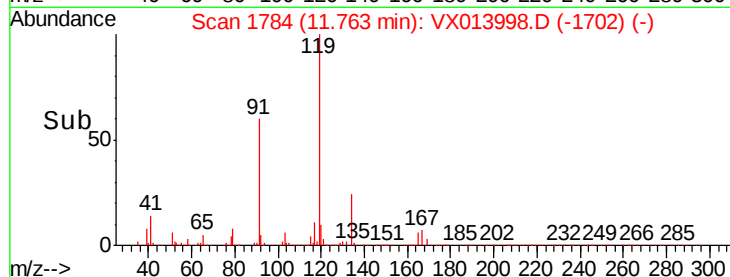
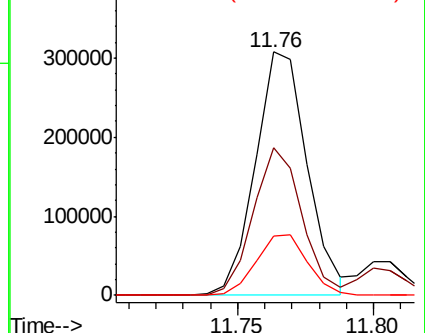
134 25.0 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.505 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013998.D

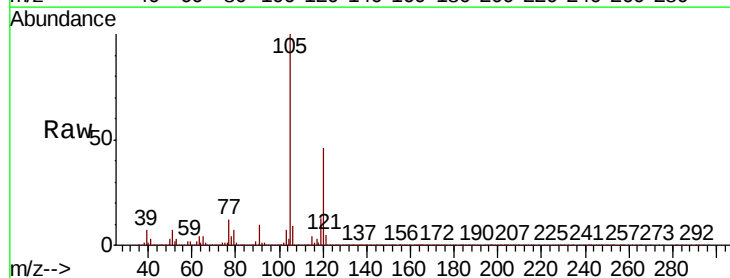
Acq: 13 Dec 2019 02:26

Tgt Ion:105 Resp: 419869

Ion Ratio Lower Upper

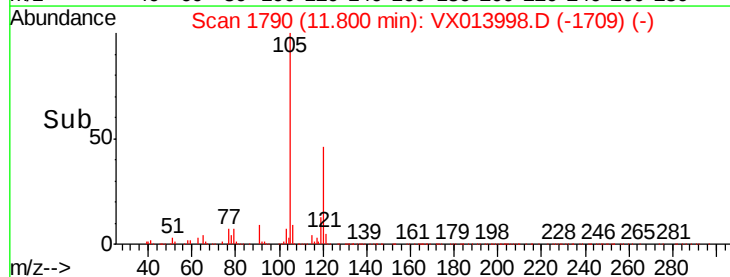
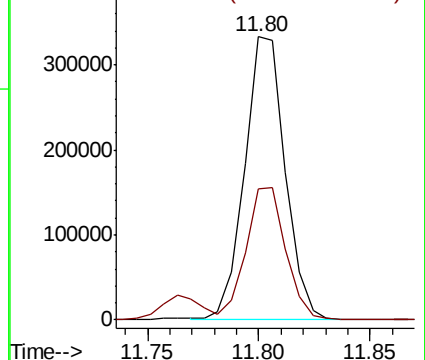
105 100

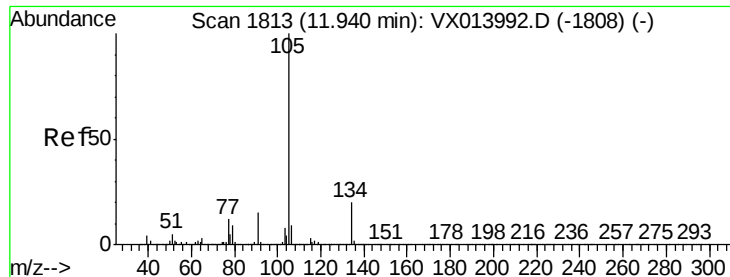
120 46.2 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.160 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

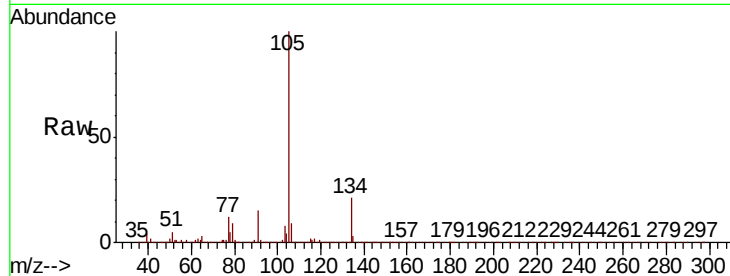
VX1212WBS04

Tot Ion:105 Resp: 471927

Ion Ratio Lower Upper

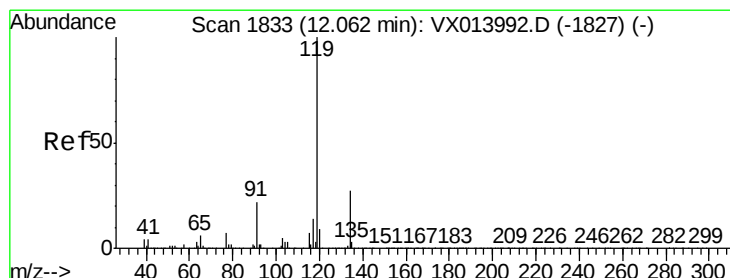
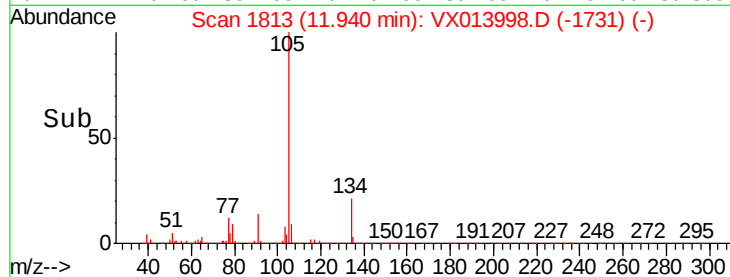
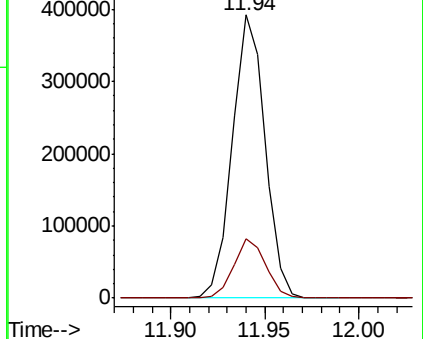
105 100

134 20.7 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.372 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013998.D

Acq: 13 Dec 2019 02:26

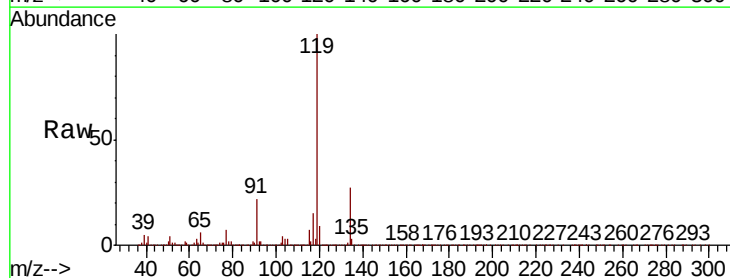
Tgt Ion:119 Resp: 431133

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.8

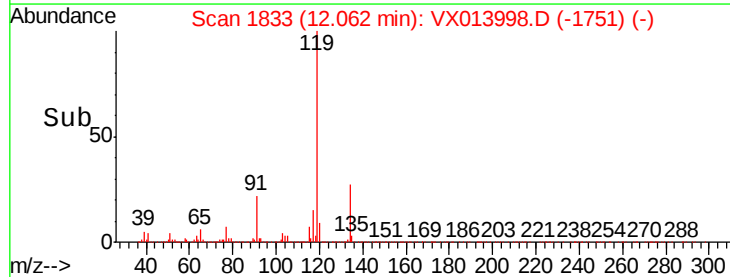
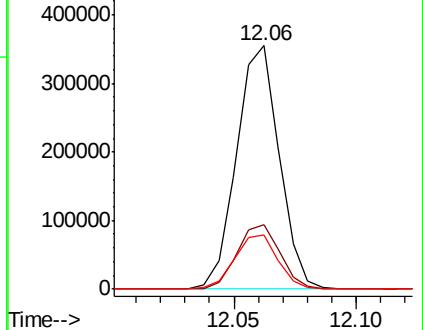
91 22.4 0.0 45.0

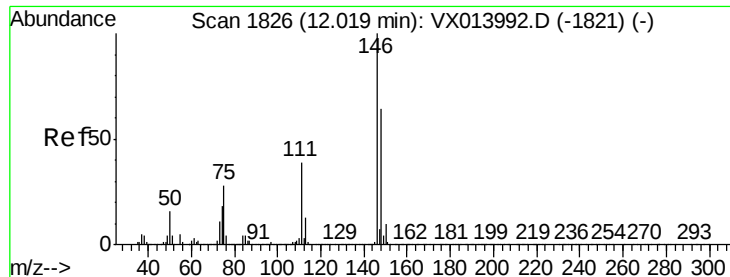


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

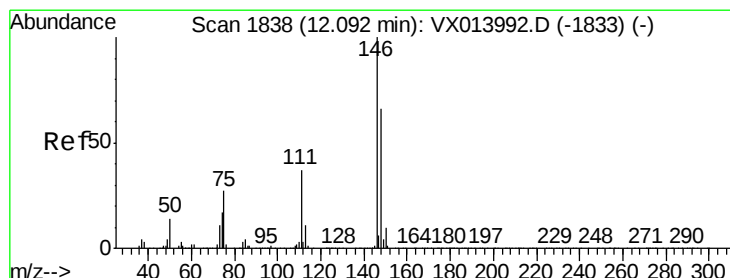
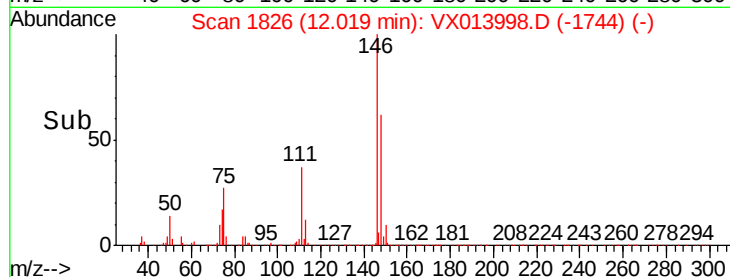
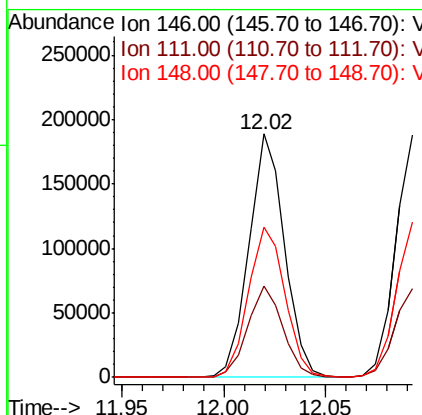
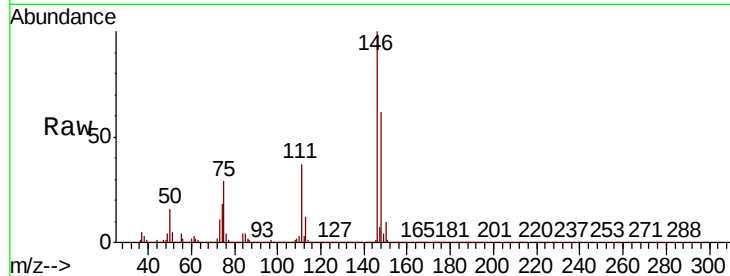




#83
 1,3-Dichlorobenzene
 Concen: 17.421 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

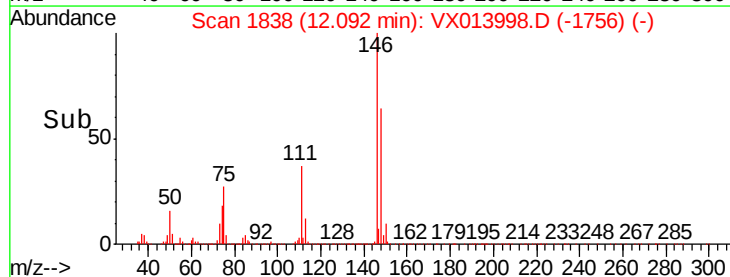
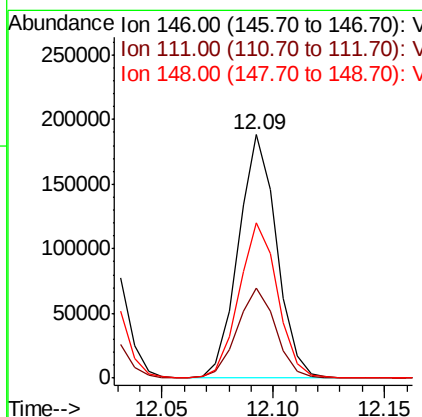
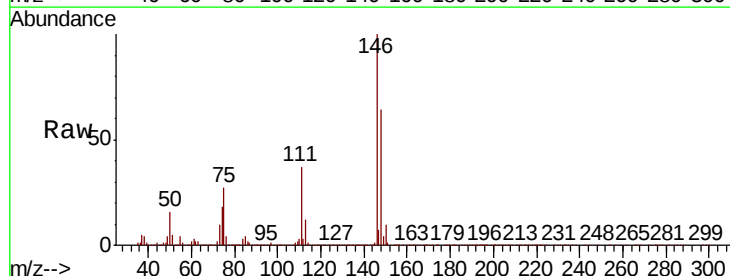
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS04

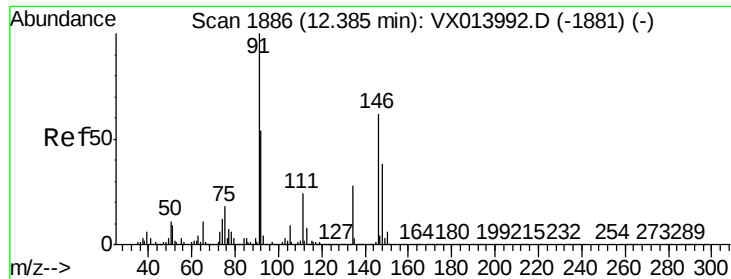
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.3	57.9
148	63.7	32.2	96.6



#84
 1,4-Dichlorobenzene
 Concen: 17.177 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.4
148	64.4	32.0	96.0

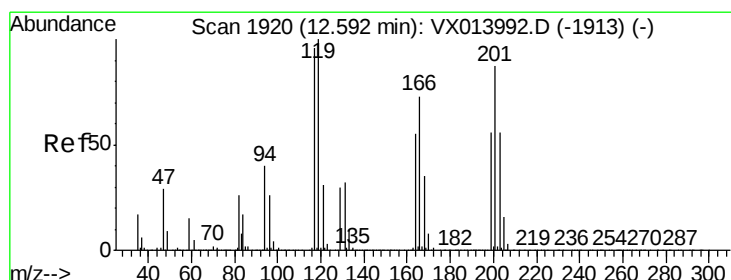
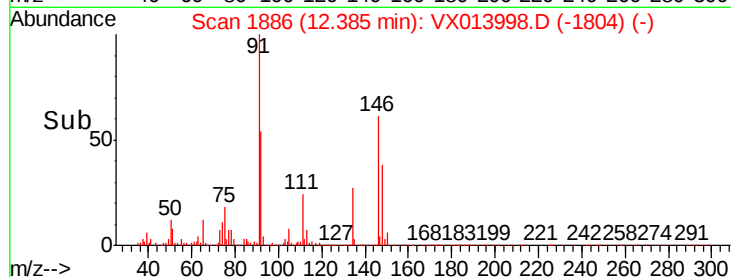
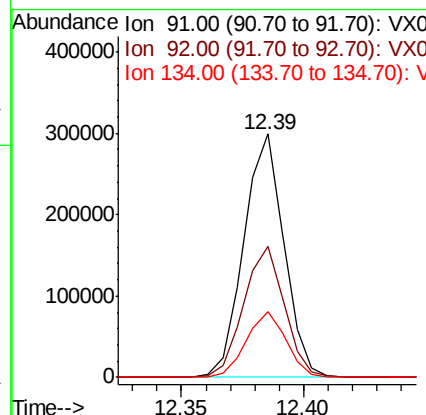
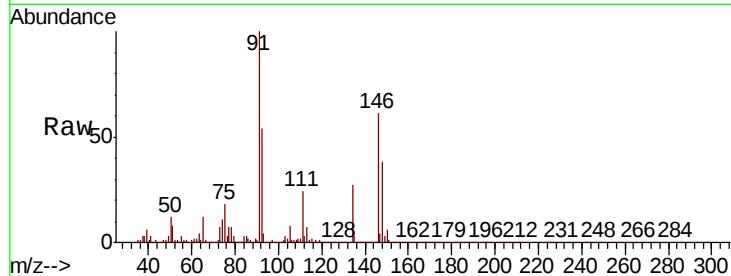




#85
n-Butylbenzene
Concen: 16.402 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

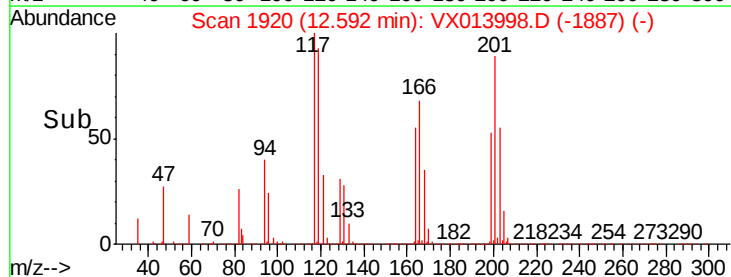
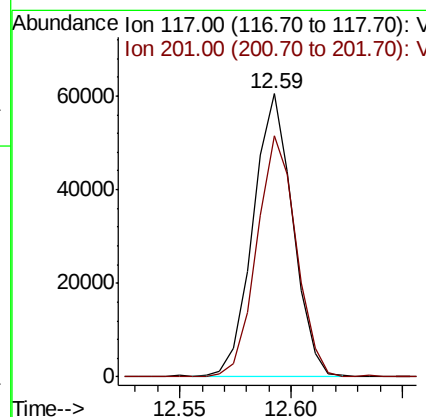
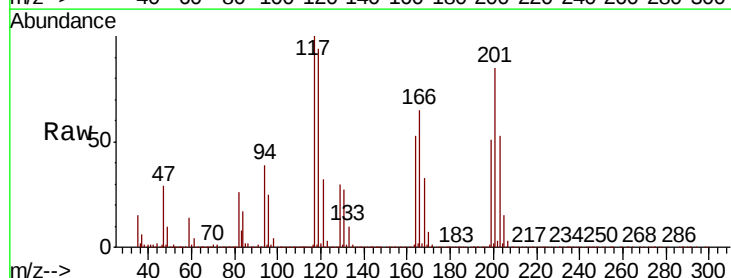
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

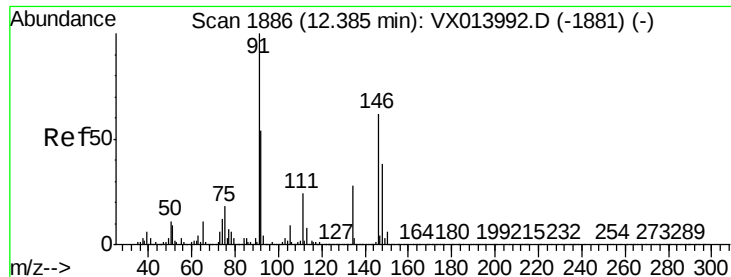
Tot Ion: 91 Resp: 342250
Ion Ratio Lower Upper
91 100
92 54.4 0.0 109.0
134 26.9 0.0 54.0



#86
Hexachloroethane
Concen: 16.682 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion: 117 Resp: 75104
Ion Ratio Lower Upper
117 100
201 84.7 44.8 134.3

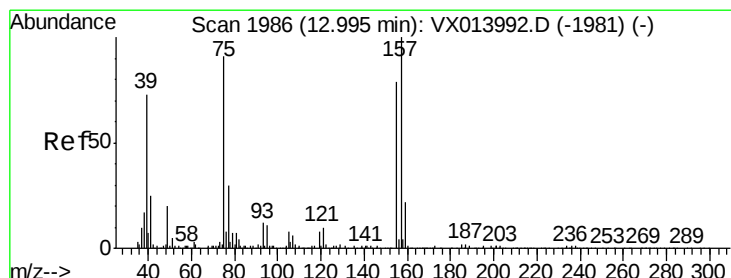
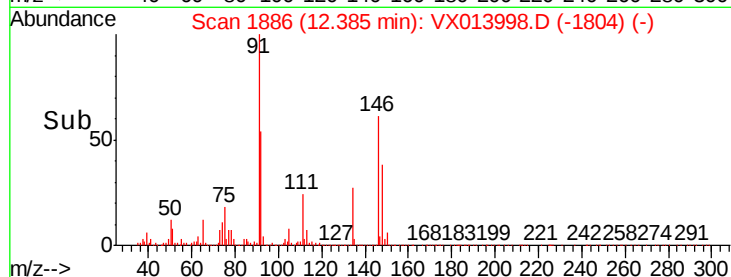
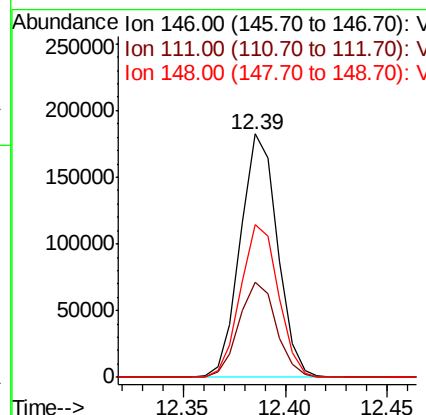
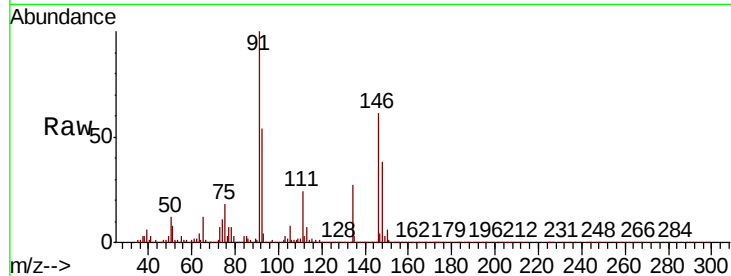




#87
 1,2-Dichlorobenzene
 Concen: 17.262 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

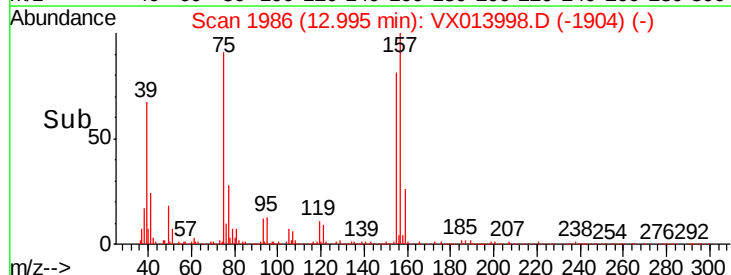
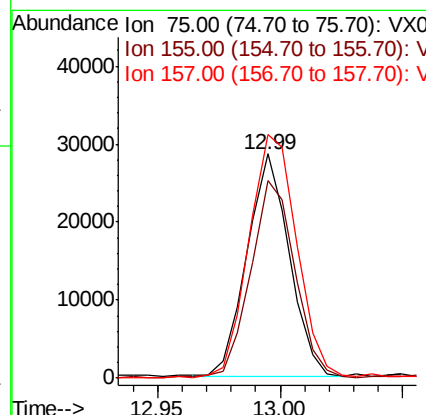
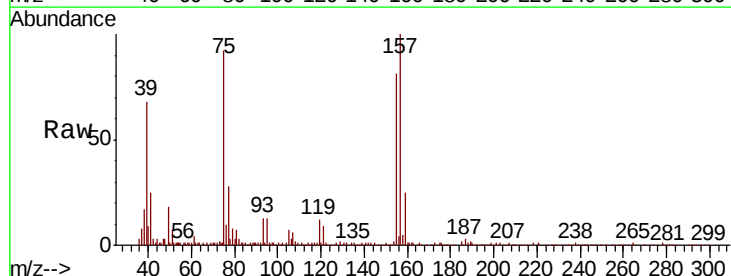
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS04

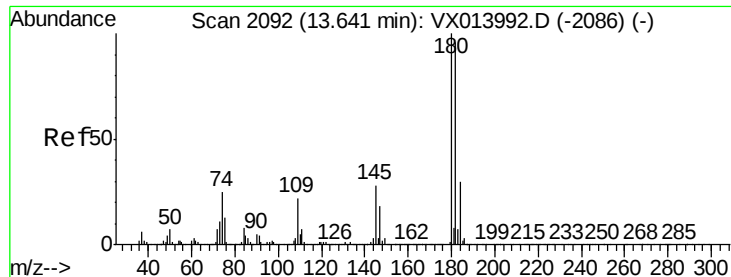
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	64.4	32.0	96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.268 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013998.D
 Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	73.8	110.6
157	123.3	95.0	142.4

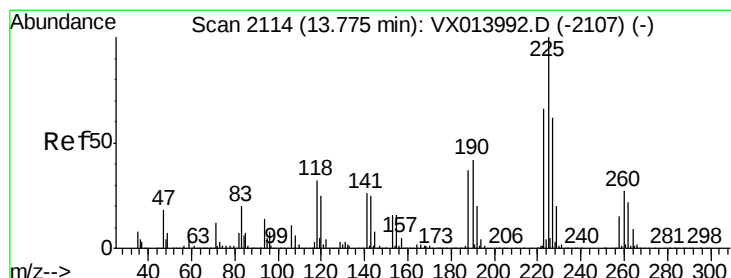
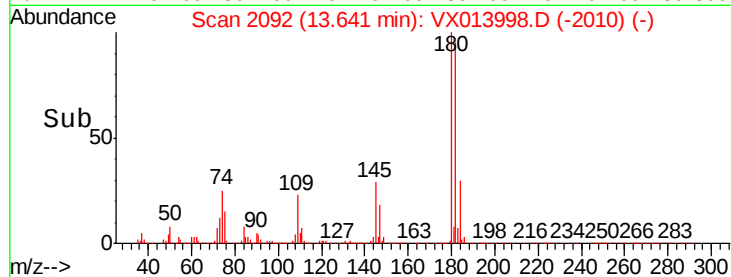
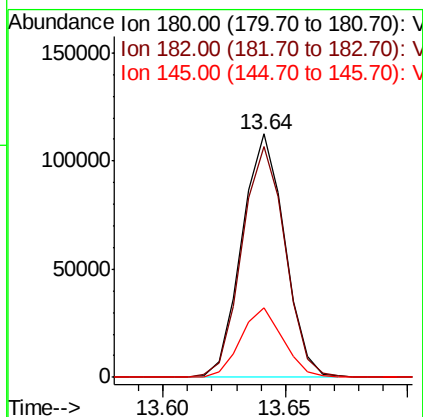
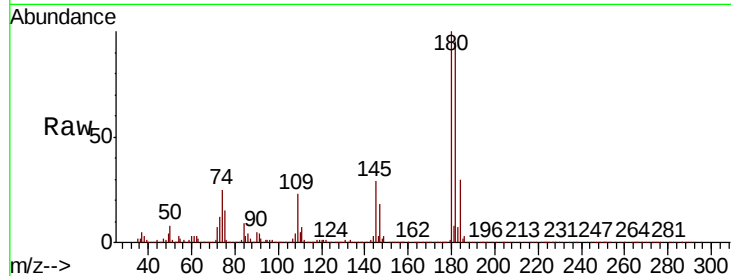




#89
1,2,4-Trichlorobenzene
Concen: 15.994 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

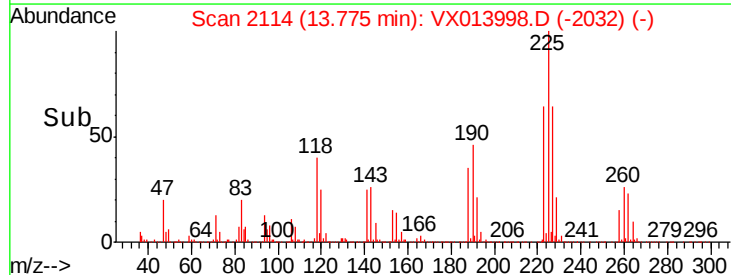
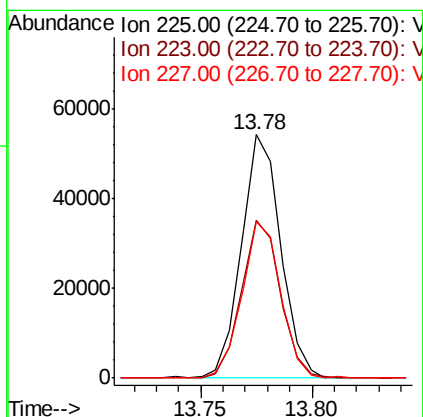
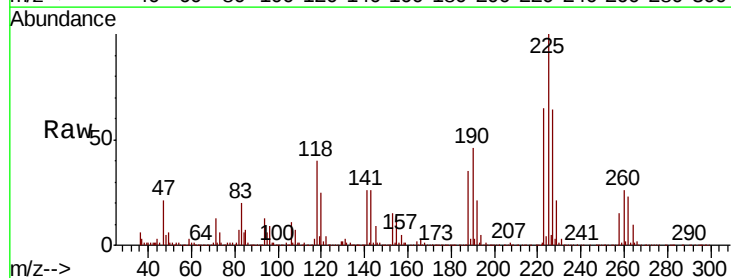
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

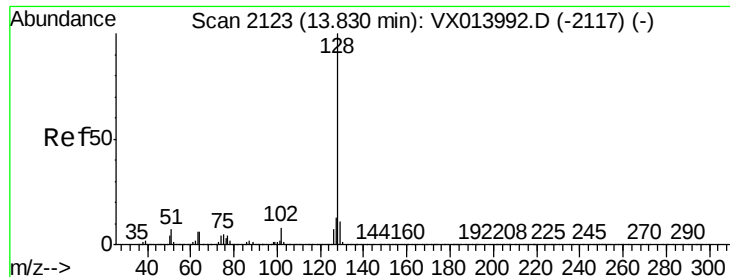
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	28.5	21.9	32.9



#90
Hexachlorobutadiene
Concen: 16.420 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	127.4
227	63.7	0.0	122.8

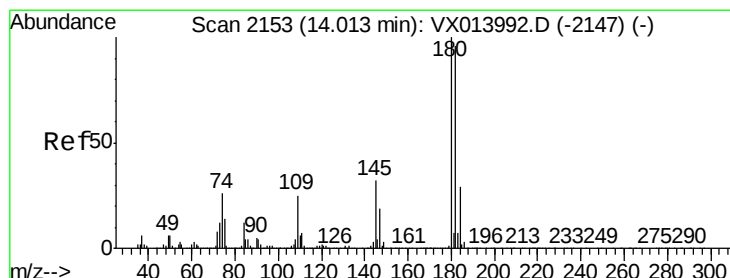
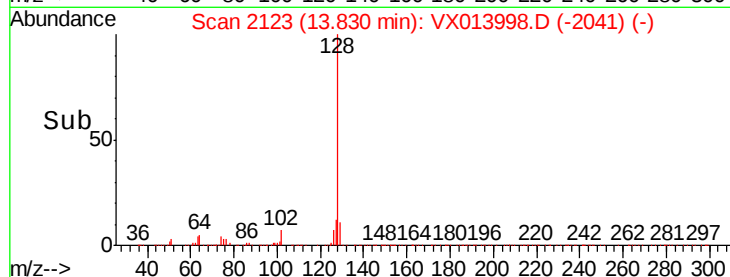
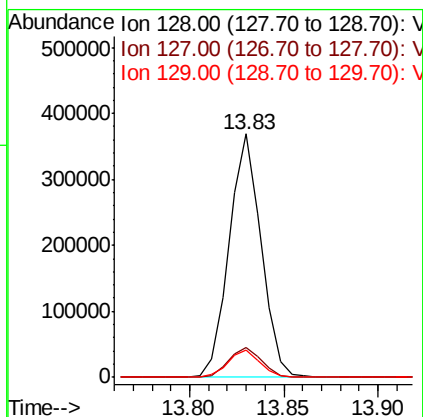
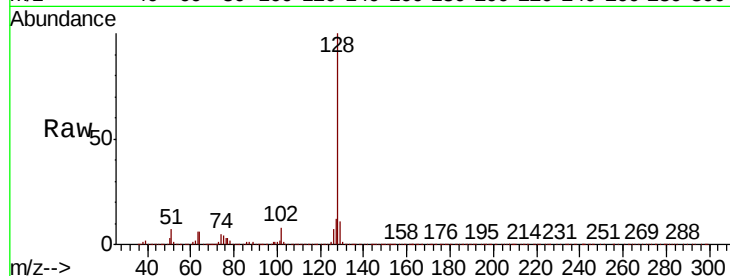




#91
Naphthalene
Concen: 16.974 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS04

Tot Ion:128 Resp: 435766
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.1 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 16.836 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013998.D
Acq: 13 Dec 2019 02:26

Tgt Ion:180 Resp: 145850
Ion Ratio Lower Upper
180 100
182 94.7 0.0 192.8
145 30.8 0.0 60.0

