

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012748.D
 Acq On : 01 Oct 2019 21:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:50:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	114912	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	5.48	113	89937	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.71	98	334756	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	127502	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82804	42.542	ug/l	98
3) Chloromethane	1.32	50	93959	42.039	ug/l	100
4) Vinyl Chloride	1.40	62	99826	44.935	ug/l	99
5) Bromomethane	1.62	94	38695	44.301	ug/l	99
6) Chloroethane	1.71	64	64198	42.866	ug/l	99
7) Trichlorofluoromethane	1.92	101	142365	45.643	ug/l	99
8) Diethyl Ether	2.18	74	58116	45.466	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88601	46.638	ug/l	98
10) Methyl Iodide	2.50	142	95352	47.877	ug/l	94
11) Tert butyl alcohol	3.04	59	147987	235.129	ug/l	99
12) 1,1-Dichloroethene	2.36	96	89492	48.107	ug/l	96
13) Acrolein	2.28	56	76849	220.450	ug/l	98
14) Allyl chloride	2.72	41	168422	45.633	ug/l	97
15) Acrylonitrile	3.13	53	305204	239.021	ug/l	98
16) Acetone	2.44	43	257576	193.009	ug/l	95
17) Carbon Disulfide	2.56	76	225530	43.245	ug/l	99
18) Methyl Acetate	2.76	43	150864	48.010	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	335835	47.695	ug/l	99
20) Methylene Chloride	2.84	84	105360	46.678	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	96521	46.834	ug/l	96
22) Diisopropyl ether	3.84	45	334609	46.919	ug/l	98
23) Vinyl Acetate	3.80	43	1455330	232.703	ug/l	97
24) 1,1-Dichloroethane	3.69	63	185182	47.770	ug/l	99
25) 2-Butanone	4.66	43	421413	220.230	ug/l	97
26) 2,2-Dichloropropane	4.57	77	135288	39.239	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	115017	48.098	ug/l	90
28) Bromochloromethane	5.00	49	65266	46.368	ug/l	96
29) Tetrahydrofuran	5.12	42	271032	232.387	ug/l	96
30) Chloroform	5.20	83	187054	47.164	ug/l	99
31) Cyclohexane	5.57	56	161106	45.939	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	163814	46.605	ug/l	99
36) 1,1-Dichloropropene	5.79	75	136857	46.617	ug/l	98
37) Ethyl Acetate	4.82	43	160491	46.760	ug/l	96
38) Carbon Tetrachloride	5.78	117	140927	47.256	ug/l	97

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 ClientSampleId :

Quant Time: Oct 02 01:50:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	162164	45.883	ug/l	97
40) Benzene	6.14	78	414243	47.957	ug/l	99
41) Methacrylonitrile	5.03	41	89719	46.590	ug/l	94
42) 1,2-Dichloroethane	6.18	62	151871	46.300	ug/l	98
43) Isopropyl Acetate	6.43	43	263683	45.940	ug/l	97
44) Trichloroethene	7.21	130	106771	48.351	ug/l	98
45) 1,2-Dichloropropane	7.51	63	108477	49.052	ug/l	99
46) Dibromomethane	7.65	93	71481	47.473	ug/l	97
47) Bromodichloromethane	7.89	83	143679	47.744	ug/l	100
48) Methyl methacrylate	7.76	41	128546	46.707	ug/l	93
49) 1,4-Dioxane	7.73	88	59644	955.462	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	824217	232.630	ug/l	95
52) Toluene	8.78	92	260766	48.032	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156443	46.986	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	171836	47.268	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	104326	48.335	ug/l	98
56) Ethyl methacrylate	9.17	69	177755	49.021	ug/l	90
57) 1,3-Dichloropropane	9.37	76	183544	48.588	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	417302	256.380	ug/l	99
59) 2-Hexanone	9.49	43	632118	233.083	ug/l	94
60) Dibromochloromethane	9.58	129	111335	50.956	ug/l	98
61) 1,2-Dibromoethane	9.67	107	111725	49.737	ug/l	100
64) Tetrachloroethene	9.33	164	95563	50.798	ug/l	96
65) Chlorobenzene	10.14	112	272704	47.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	102511	49.795	ug/l	99
67) Ethyl Benzene	10.25	91	499884	48.507	ug/l	99
68) m/p-Xylenes	10.35	106	373293	96.698	ug/l	100
69) o-Xylene	10.70	106	182302	48.804	ug/l	100
70) Styrene	10.71	104	312934	49.972	ug/l	99
71) Bromoform	10.85	173	72269	50.416	ug/l	97
73) Isopropylbenzene	11.01	105	484078	46.563	ug/l	99
74) N-amyl acetate	10.89	43	227201	45.810	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	164153	47.677	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	188190	55.736	ug/l	89
77) Bromobenzene	11.25	156	112900	47.983	ug/l	98
78) n-propylbenzene	11.35	91	536047	45.800	ug/l	99
79) 2-Chlorotoluene	11.42	91	331442	45.395	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	410679	47.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50559	42.912	ug/l	96
82) 4-Chlorotoluene	11.51	91	388211	46.642	ug/l	99
83) tert-Butylbenzene	11.76	119	395675	47.050	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	423233	48.125	ug/l	99
85) sec-Butylbenzene	11.94	105	460921	47.122	ug/l	100
86) p-Isopropyltoluene	12.06	119	425755	48.239	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	204319	48.253	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	203370	47.530	ug/l	99
89) n-Butylbenzene	12.38	91	358278	46.067	ug/l	99
90) Hexachloroethane	12.59	117	75425	47.935	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	204198	48.169	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41353	48.014	ug/l	98

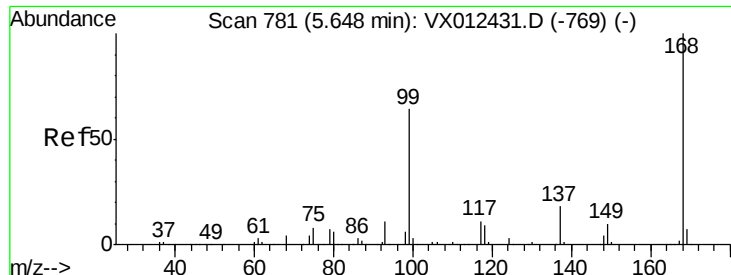
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	129141	49.952	ug/l	99
94) Hexachlorobutadiene	13.78	225	55075	49.519	ug/l	98
95) Naphthalene	13.83	128	478213	51.126	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130783	50.500	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

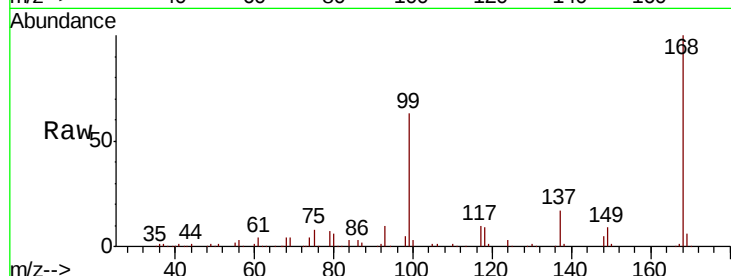
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 173019

Ion Ratio Lower Upper

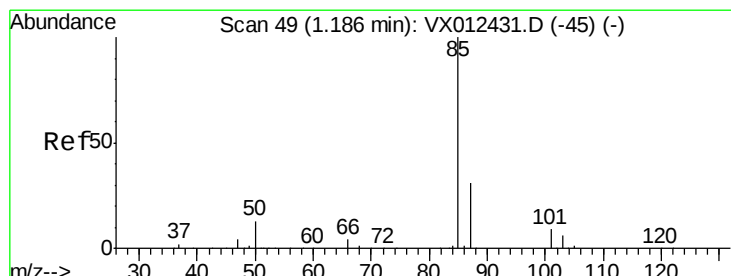
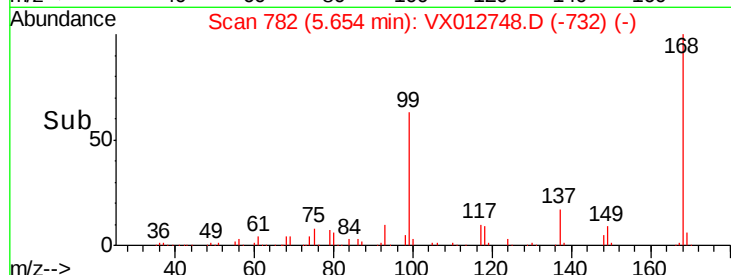
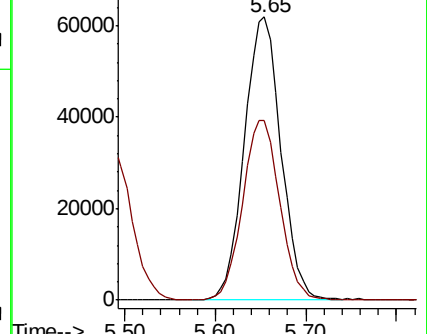
168 100

99 63.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.542 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012748.D

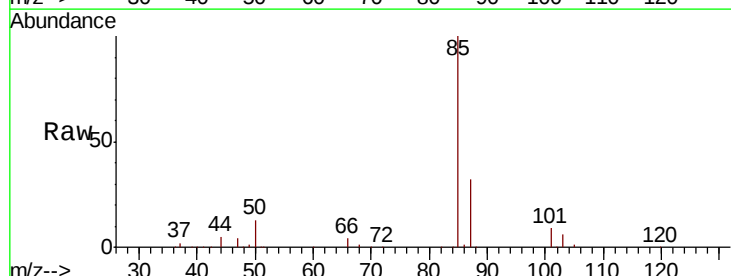
Acq: 01 Oct 2019 21:05

Tgt Ion: 85 Resp: 82804

Ion Ratio Lower Upper

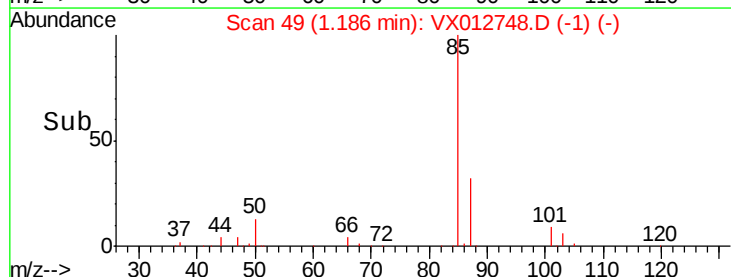
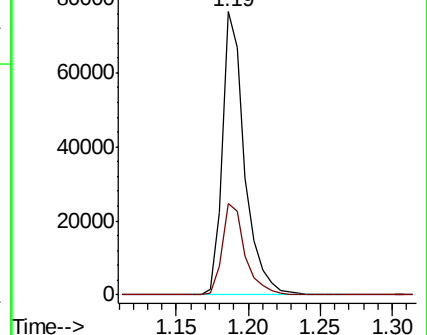
85 100

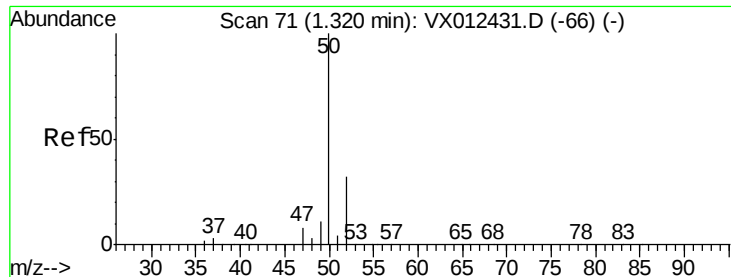
87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

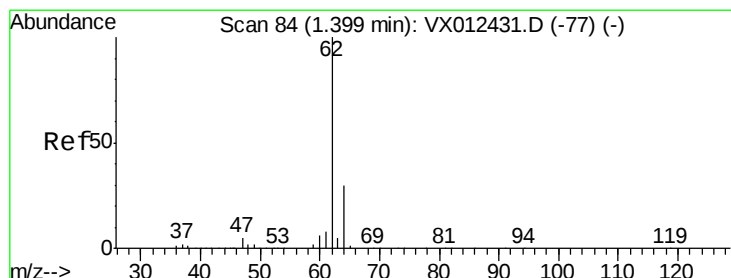
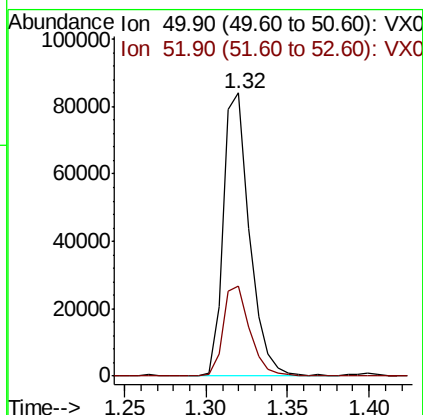
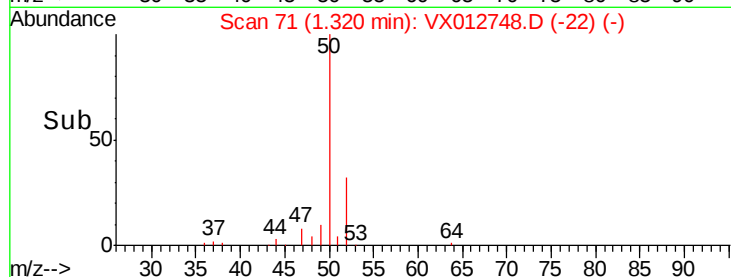
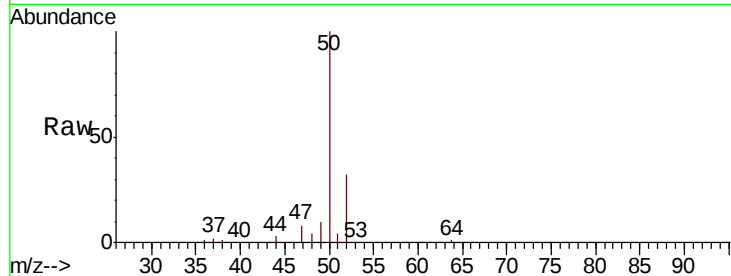




#3
Chloromethane
Concen: 42.039 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

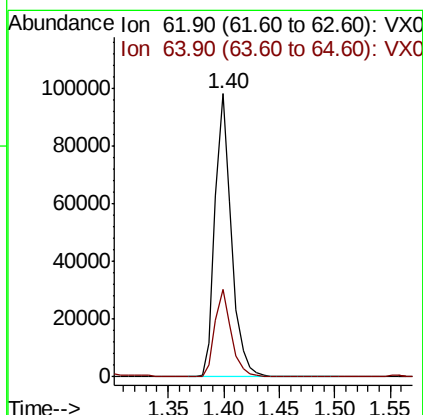
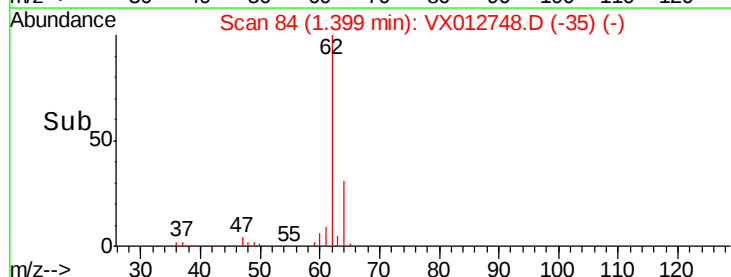
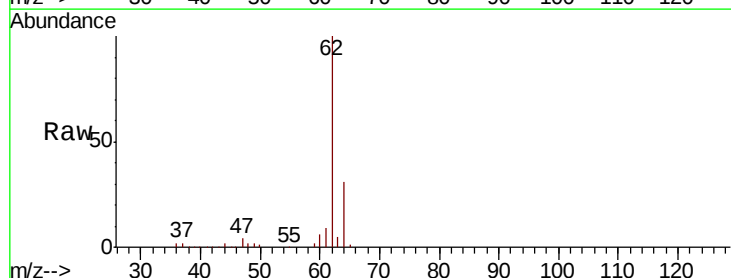
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 93959
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5



#4
Vinyl Chloride
Concen: 44.935 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 62 Resp: 99826
Ion Ratio Lower Upper
62 100
64 30.8 24.2 36.2





#5

Bromomethane

Concen: 44.301 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

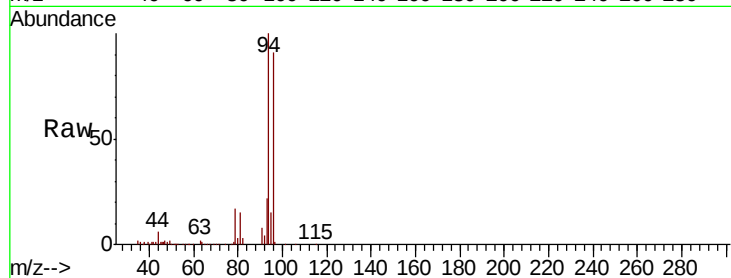
ClientSampleId :

Tot Ion: 94 Resp: 38695

Ion Ratio Lower Upper

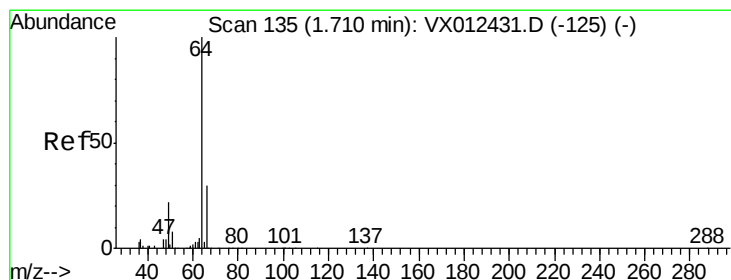
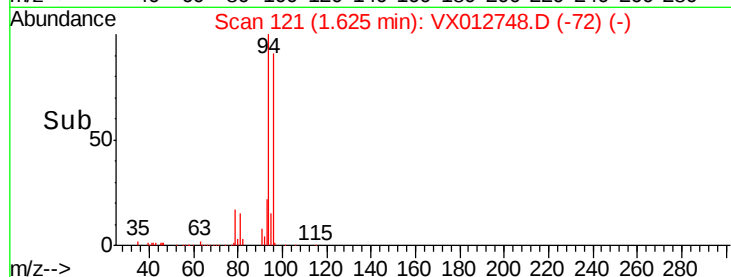
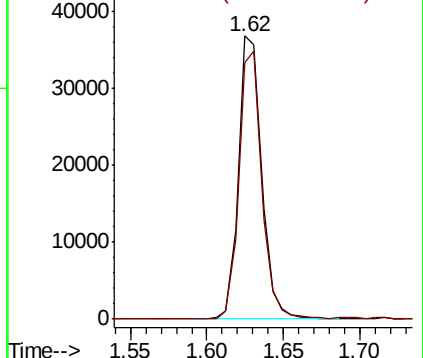
94 100

96 90.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.866 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012748.D

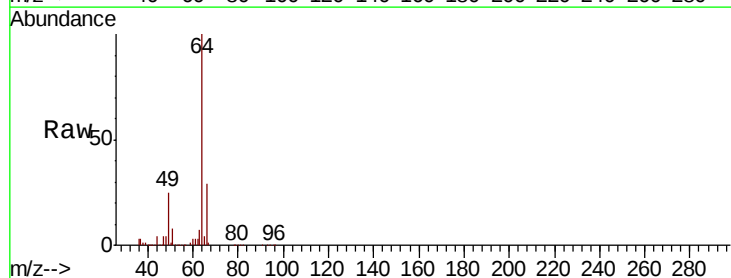
Acq: 01 Oct 2019 21:05

Tgt Ion: 64 Resp: 64198

Ion Ratio Lower Upper

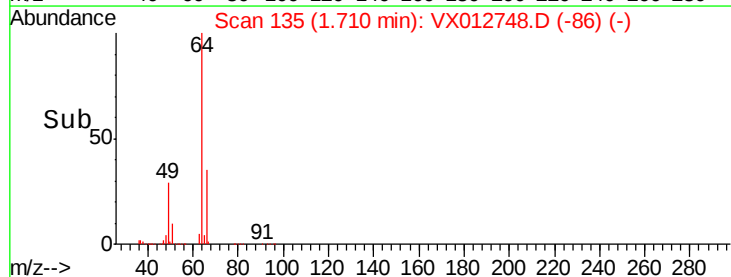
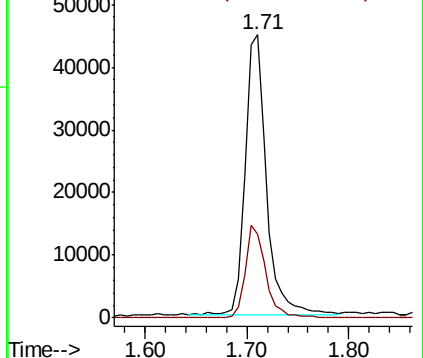
64 100

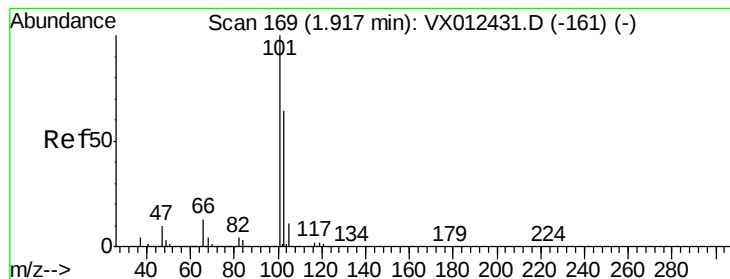
66 29.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



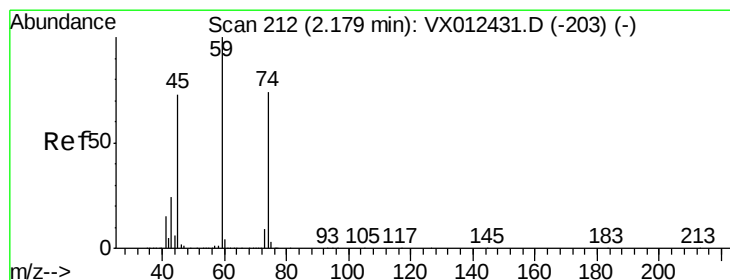
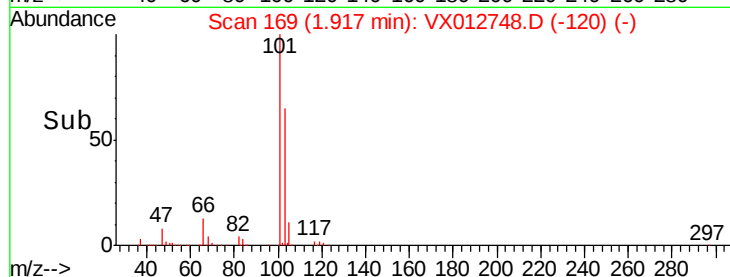
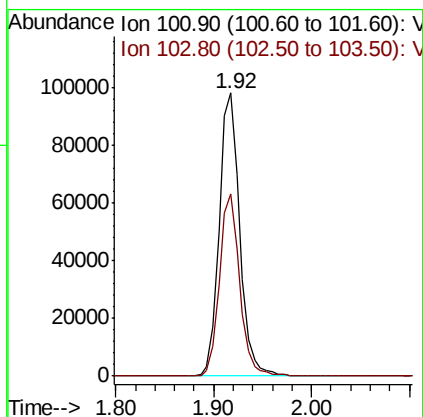
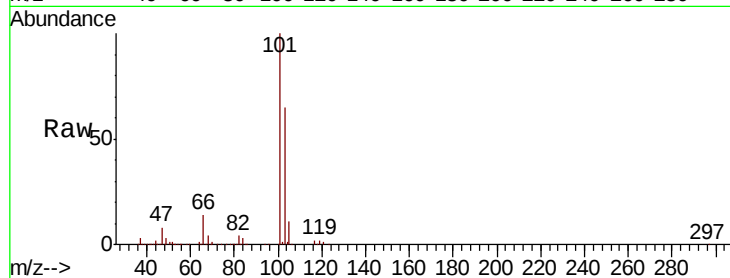


#7

Trichlorofluoromethane
 Concen: 45.643 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Instrument :
 MSVOA_X
 ClientSampled :

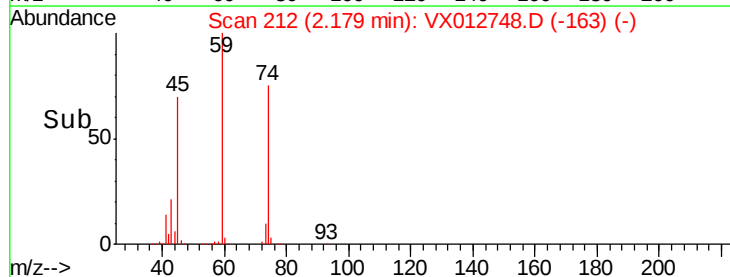
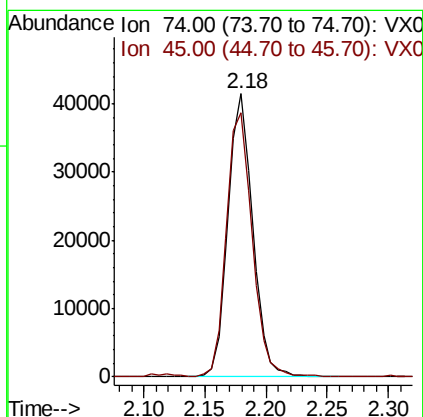
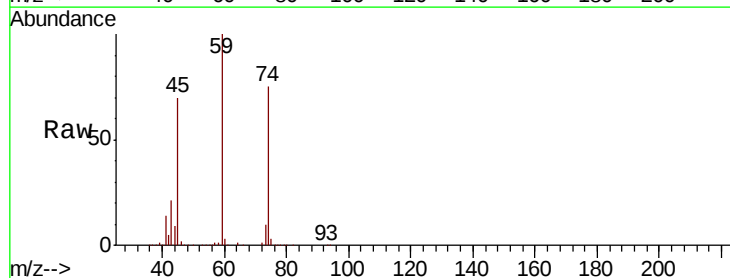
Tot Ion:101 Resp: 142365
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.0 76.4

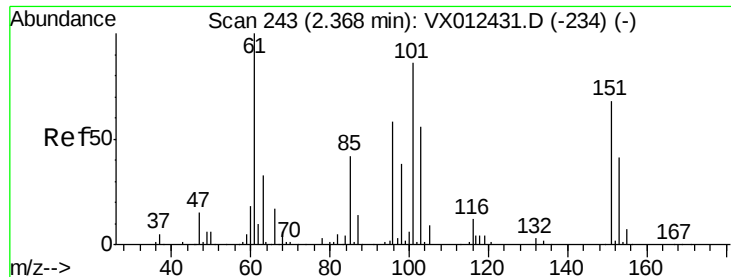


#8

Diethyl Ether
 Concen: 45.466 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 74 Resp: 58116
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.638 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

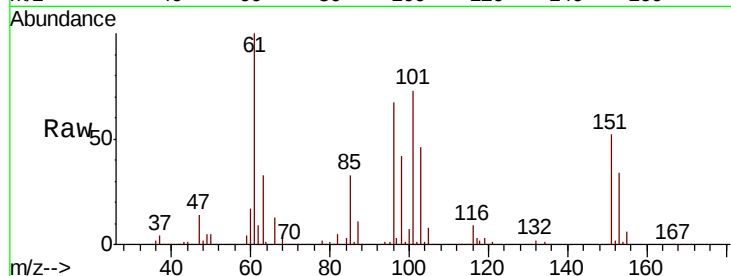
Tot Ion:101 Resp: 88601

Ion Ratio Lower Upper

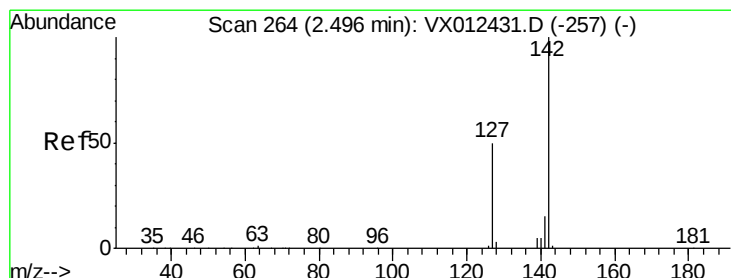
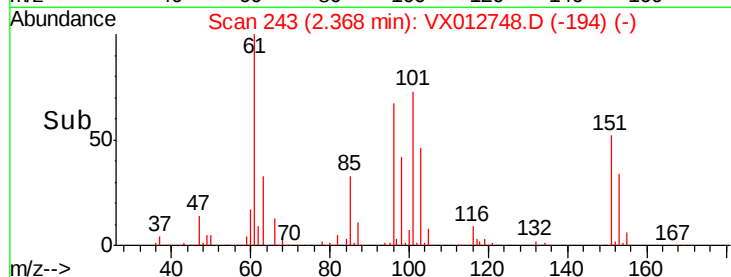
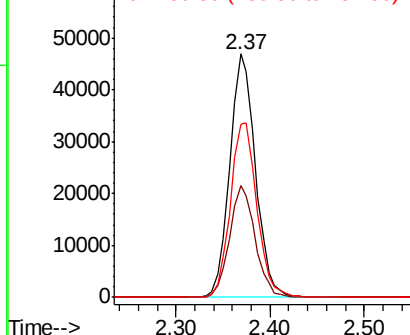
101 100

85 45.8 37.3 55.9

151 74.3 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.877 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

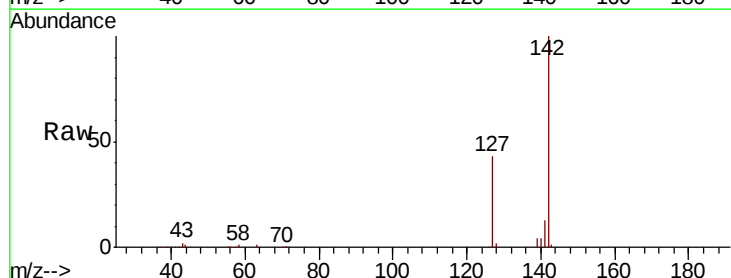
Tgt Ion:142 Resp: 95352

Ion Ratio Lower Upper

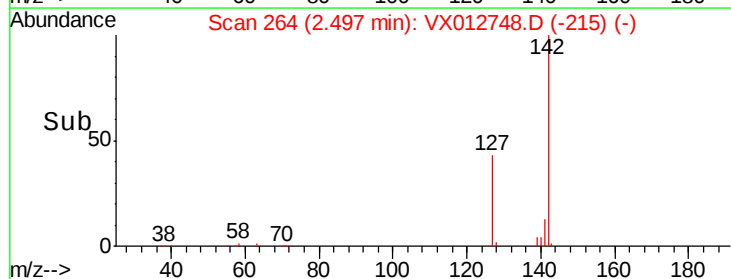
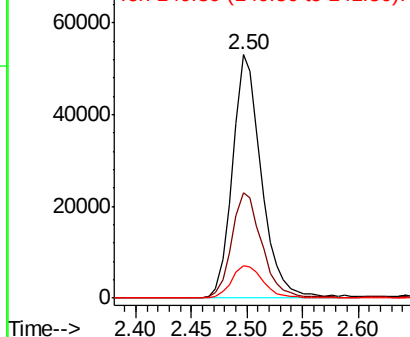
142 100

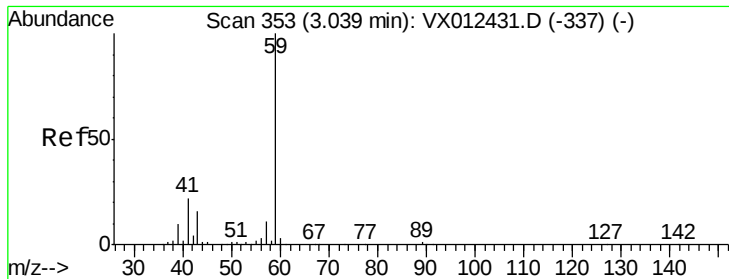
127 45.6 40.8 61.2

141 14.7 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

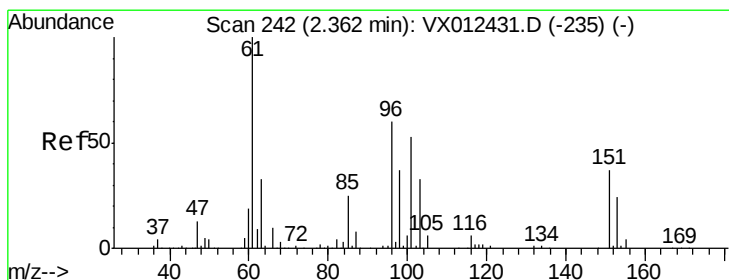
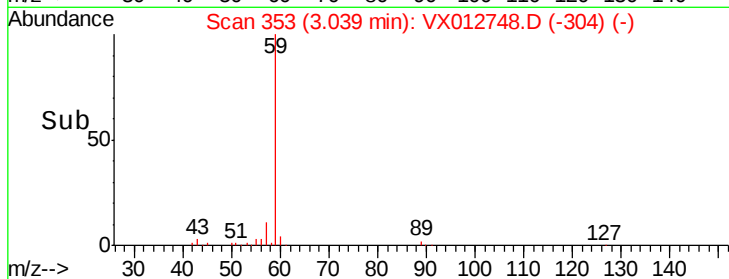
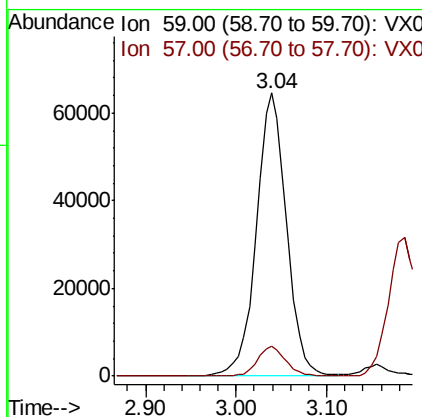
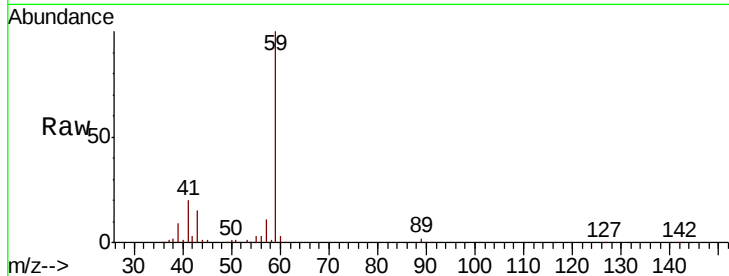




#11
Tert butyl alcohol
Concen: 235.129 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

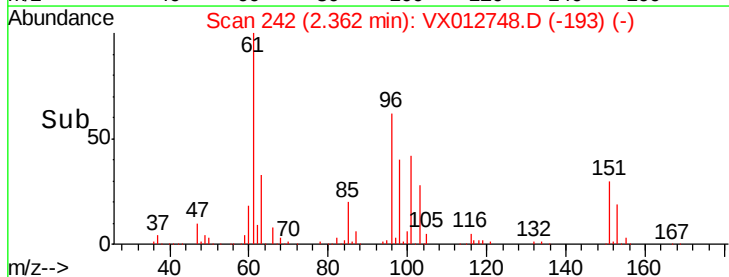
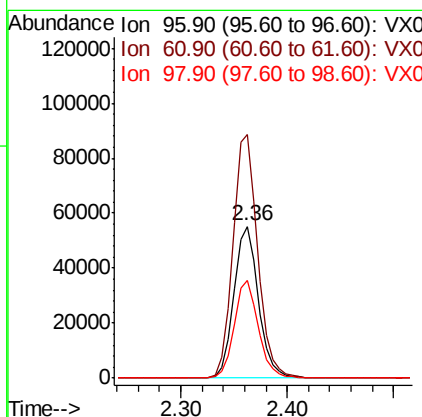
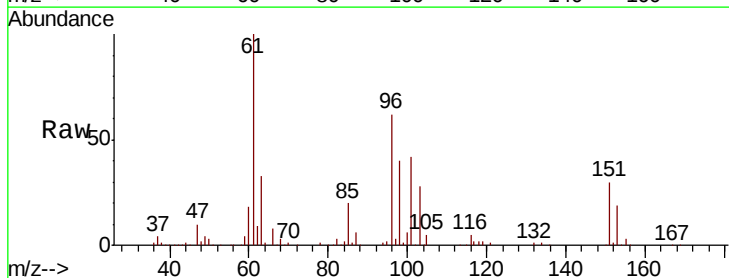
Instrument :
MSVOA_X
ClientSampleId :

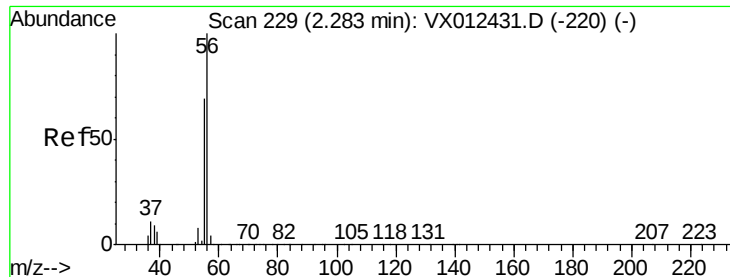
Tot Ion: 59 Resp: 147987
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5



#12
1,1-Dichloroethene
Concen: 48.107 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 96 Resp: 89492
Ion Ratio Lower Upper
96 100
61 160.2 133.8 200.6
98 64.1 49.9 74.9





#13

Acrolein

Concen: 220.450 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

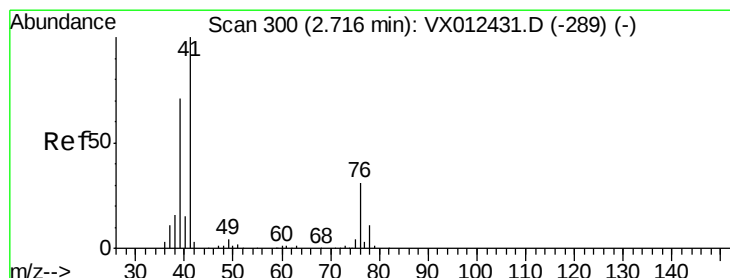
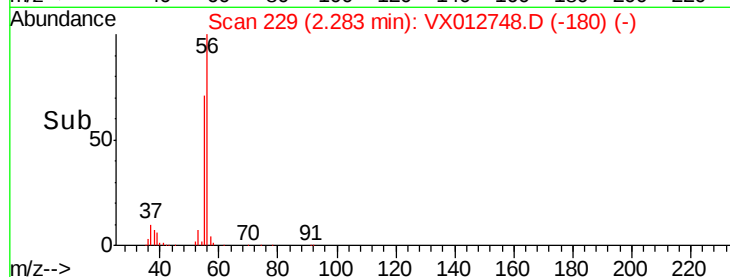
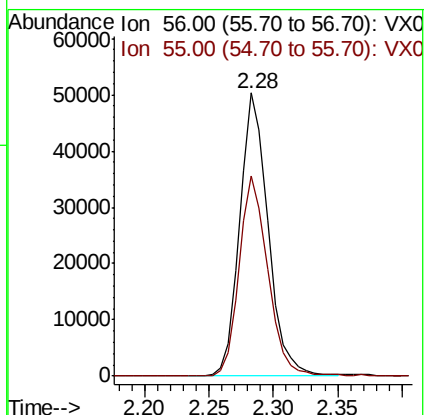
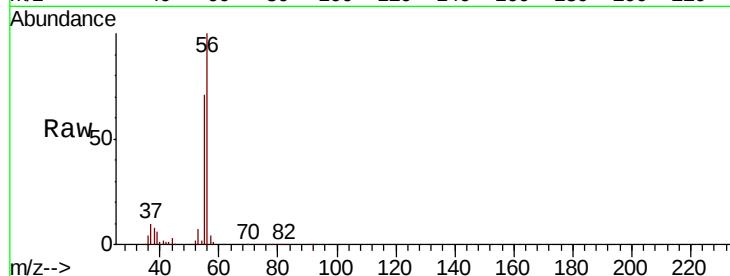
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 76849

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Allyl chloride

Concen: 45.633 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

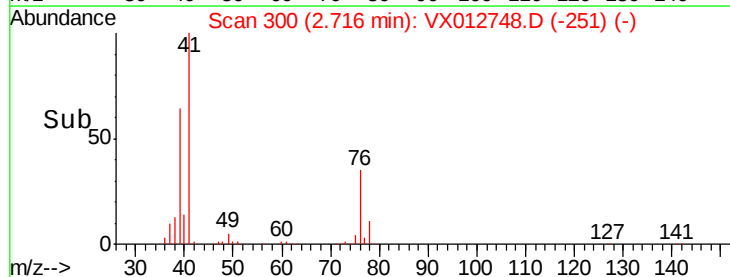
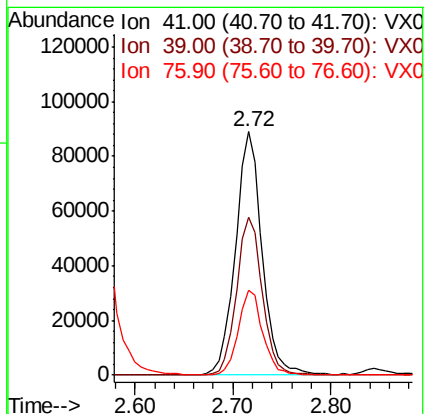
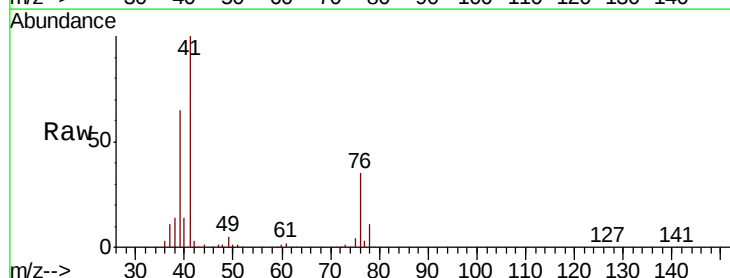
Tgt Ion: 41 Resp: 168422

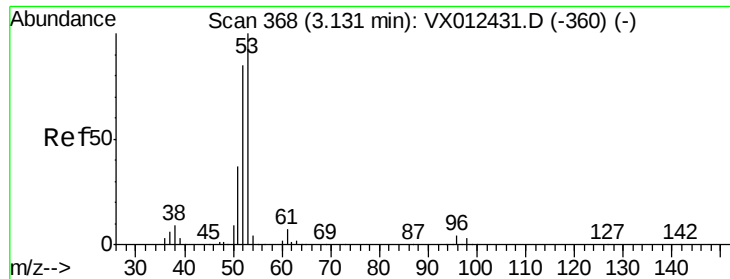
Ion Ratio Lower Upper

41 100

39 62.8 51.3 76.9

76 31.8 22.6 33.8





#15

Acrylonitrile

Concen: 239.021 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

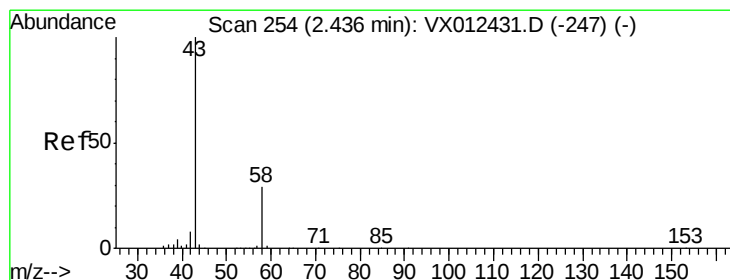
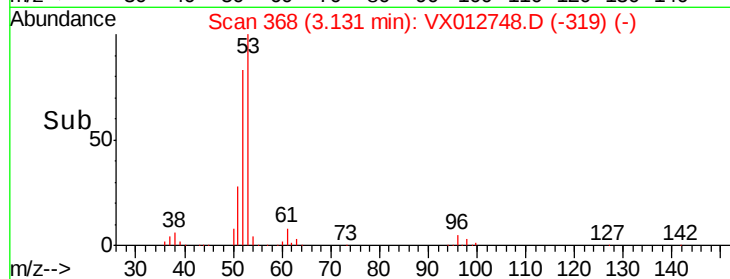
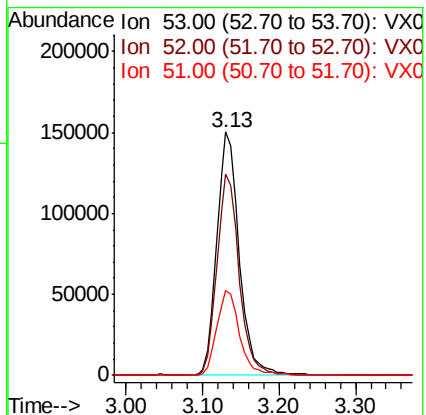
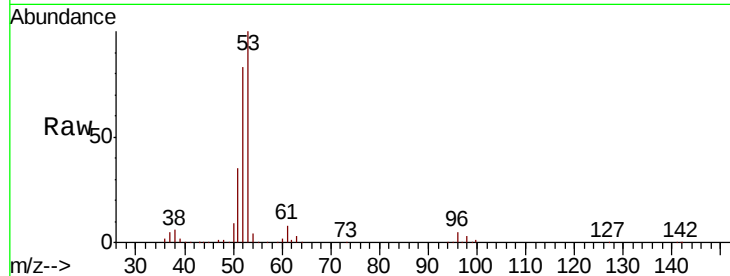
Tot Ion: 53 Resp: 305204

Ion Ratio Lower Upper

53 100

52 81.8 67.0 100.4

51 35.6 29.6 44.4



#16

Acetone

Concen: 193.009 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012748.D

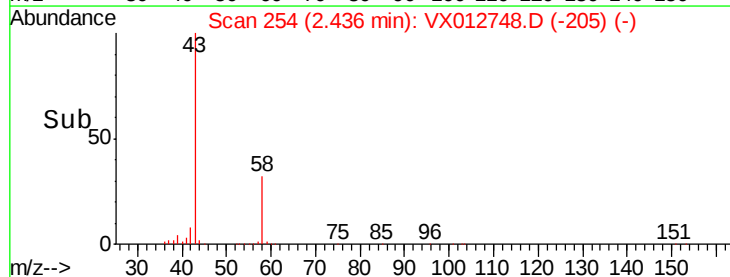
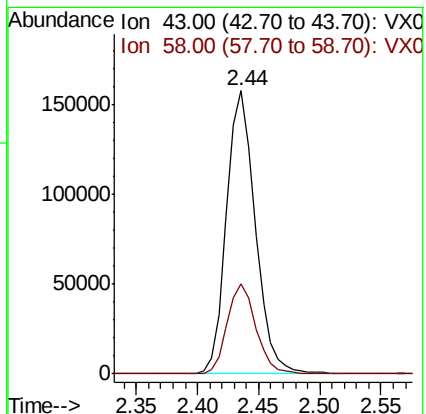
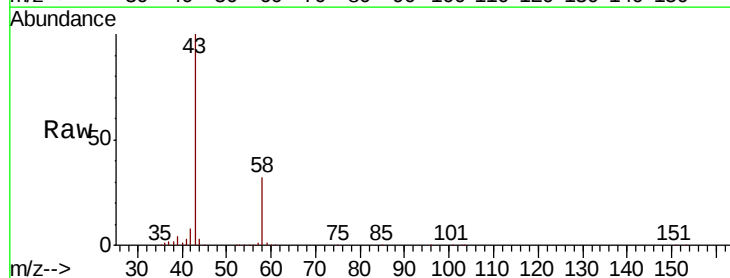
Acq: 01 Oct 2019 21:05

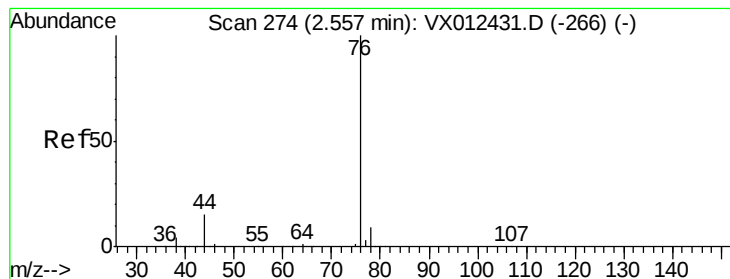
Tgt Ion: 43 Resp: 257576

Ion Ratio Lower Upper

43 100

58 31.7 23.3 34.9





#17

Carbon Disulfide

Concen: 43.245 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

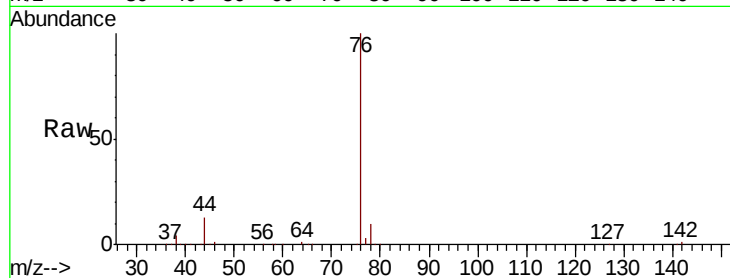
ClientSampled :

Tot Ion: 76 Resp: 225530

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

150000

100000

50000

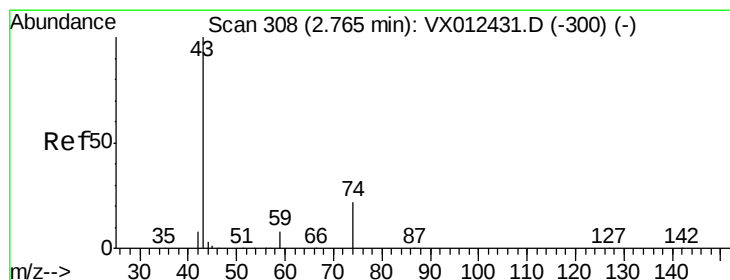
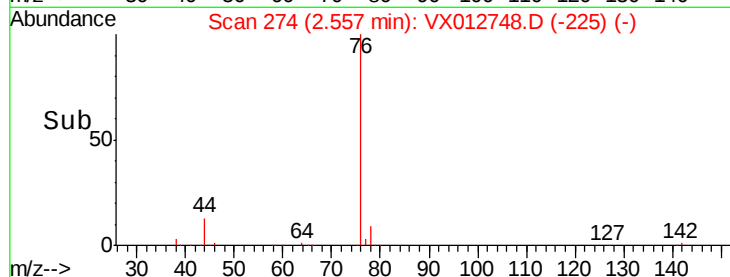
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 48.010 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012748.D

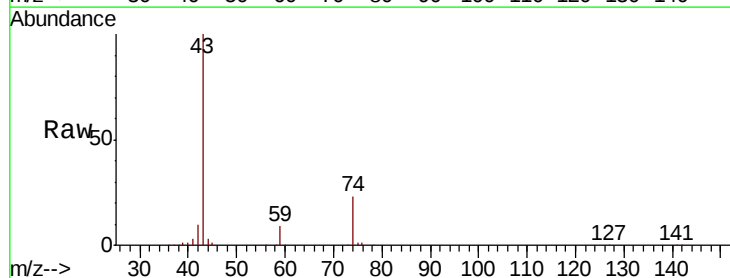
Acq: 01 Oct 2019 21:05

Tgt Ion: 43 Resp: 150864

Ion Ratio Lower Upper

43 100

74 23.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

40000

20000

0

Time-->

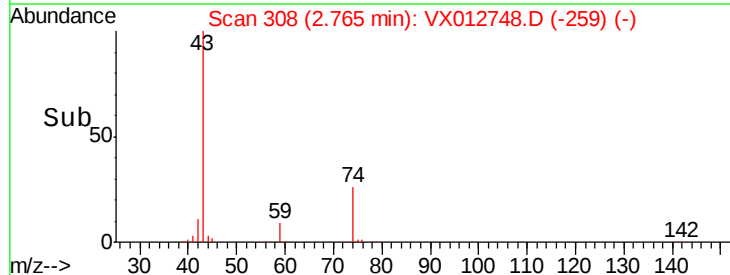
2.65

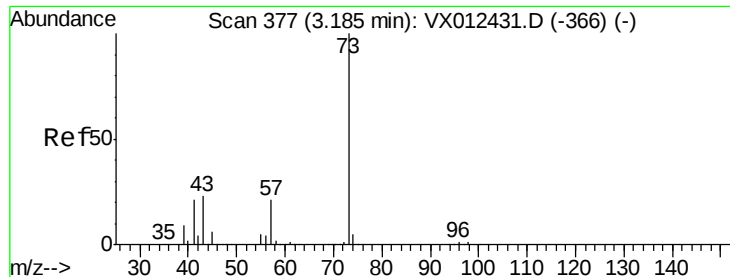
2.70

2.75

2.80

2.85

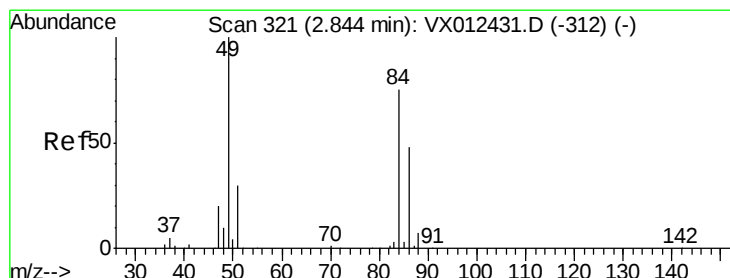
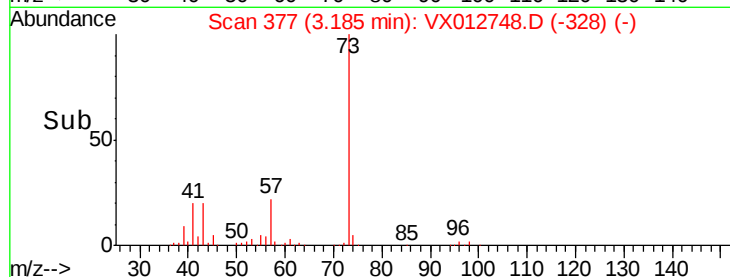
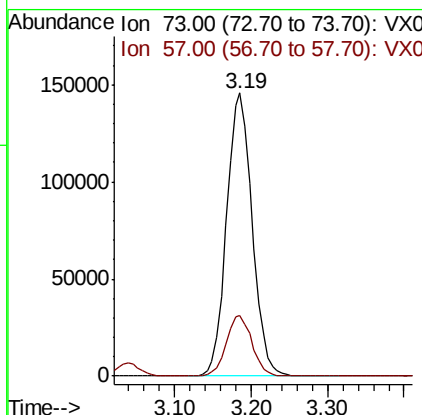
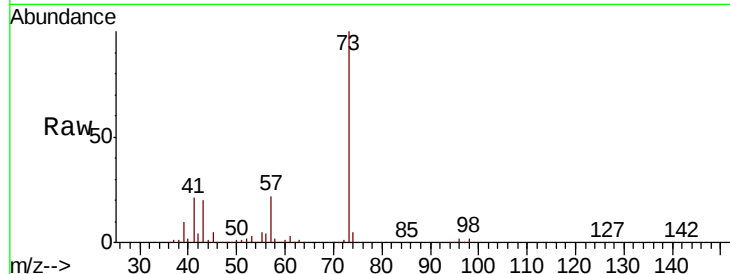




#19
Methyl tert-butyl Ether
Concen: 47.695 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

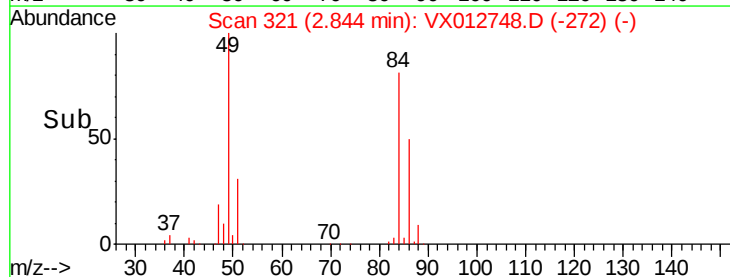
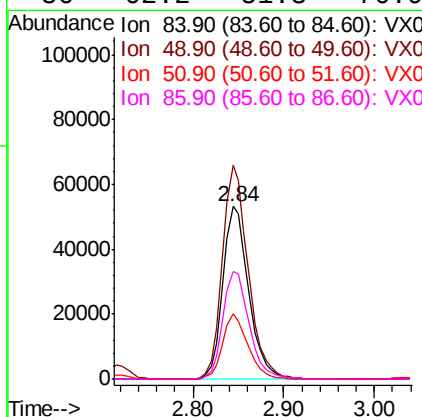
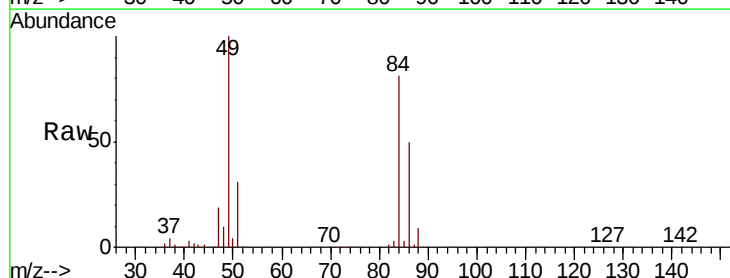
Instrument :
MSVOA_X
ClientSampleId :

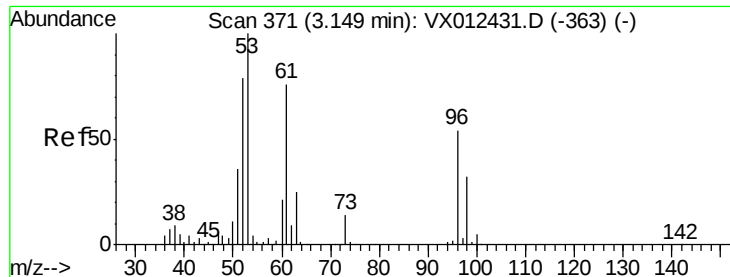
Tot Ion: 73 Resp: 335835
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#20
Methylene Chloride
Concen: 46.678 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 84 Resp: 105360
Ion Ratio Lower Upper
84 100
49 123.6 106.8 160.2
51 37.8 32.3 48.5
86 62.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.834 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampleId :

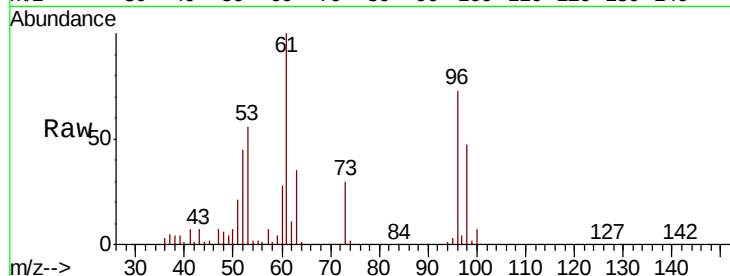
Tot Ion: 96 Resp: 96521

Ion Ratio Lower Upper

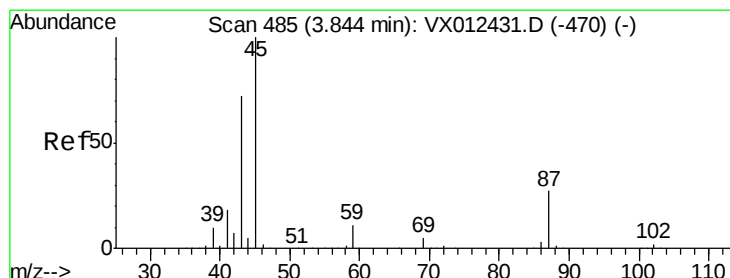
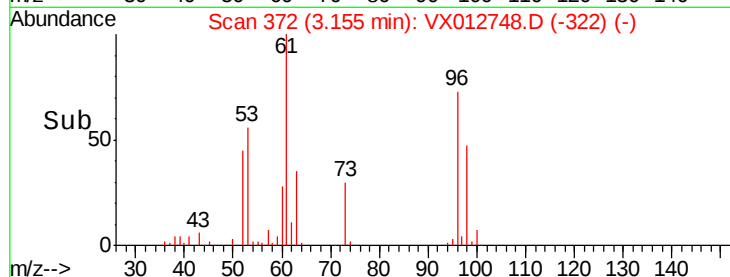
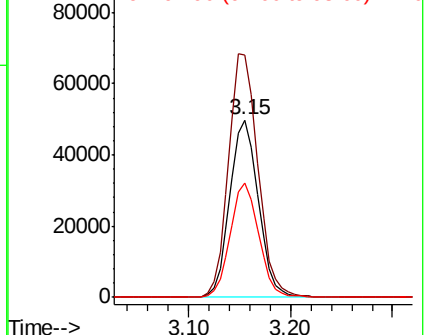
96 100

61 136.7 112.0 168.0

98 64.5 47.8 71.8



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



#22

Diisopropyl ether

Concen: 46.919 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Tgt Ion: 45 Resp: 334609

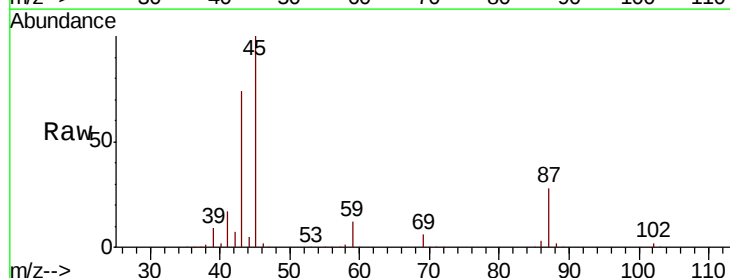
Ion Ratio Lower Upper

45 100

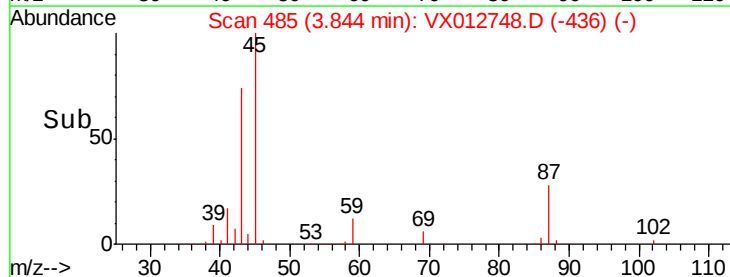
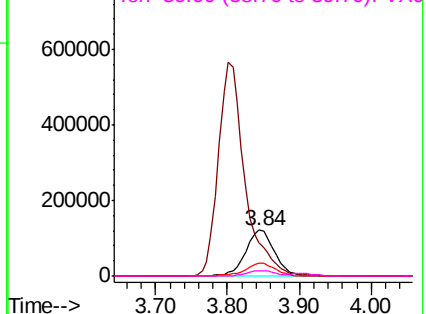
43 73.5 57.8 86.8

87 27.7 21.3 31.9

59 12.3 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 232.703 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

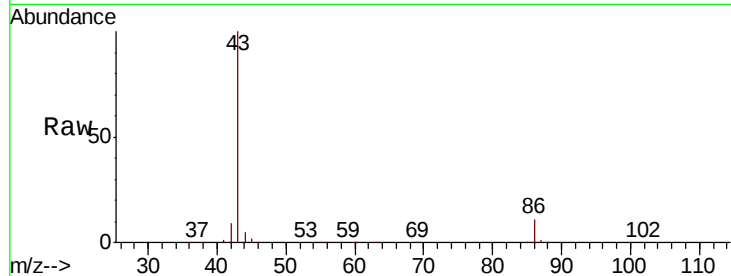
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1455330

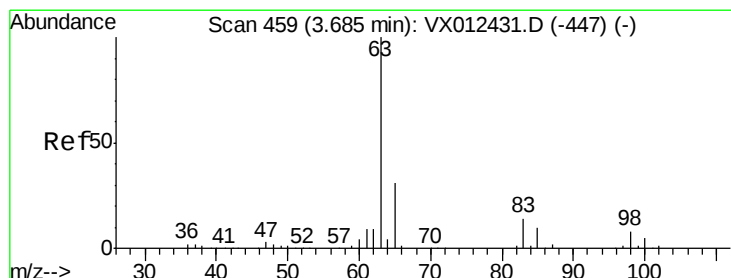
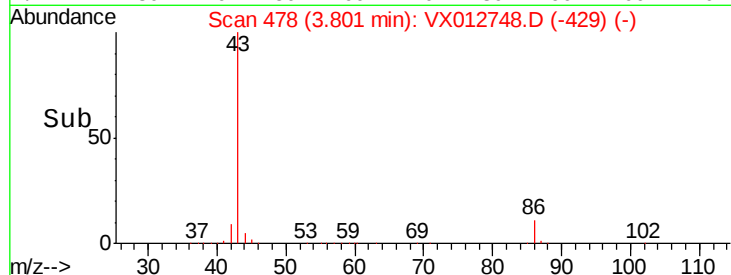
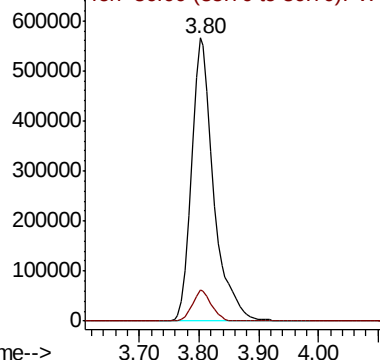
Ion Ratio Lower Upper

43 100

86 10.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.770 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

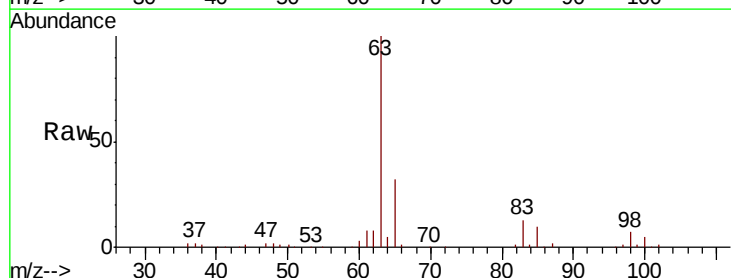
Tgt Ion: 63 Resp: 185182

Ion Ratio Lower Upper

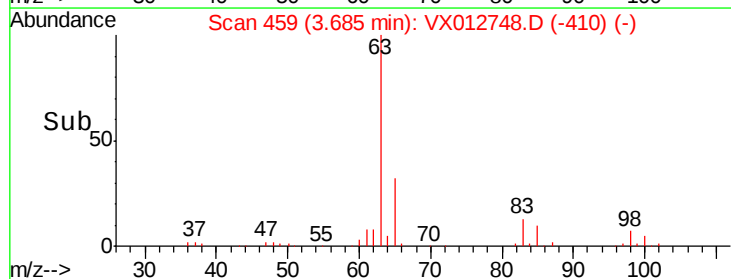
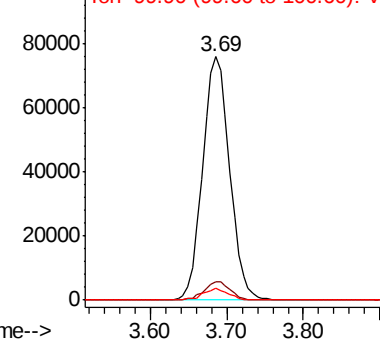
63 100

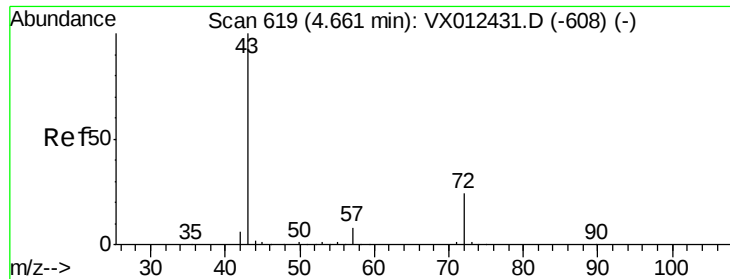
98 7.5 3.9 11.7

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 220.230 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

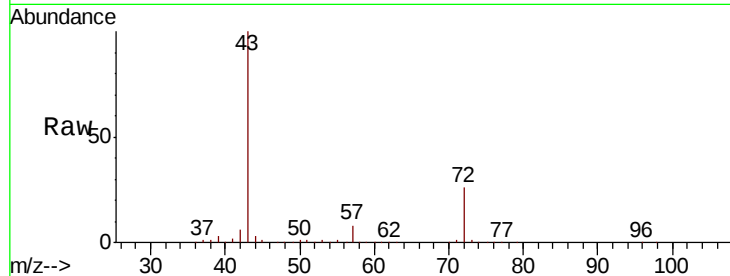
ClientSampleId :

Tot Ion: 43 Resp: 421413

Ion Ratio Lower Upper

43 100

72 25.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

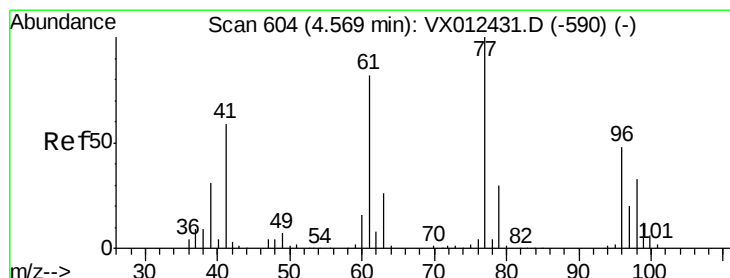
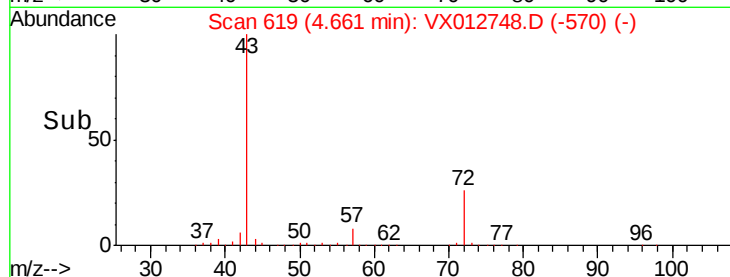
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 39.239 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012748.D

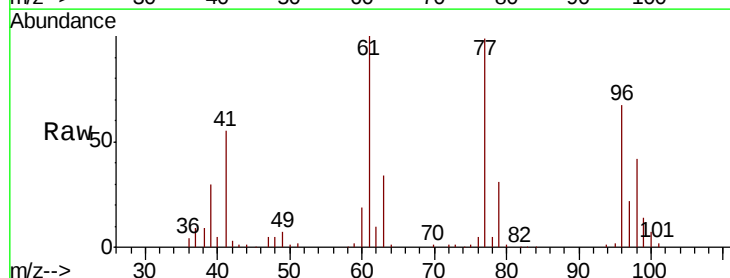
Acq: 01 Oct 2019 21:05

Tgt Ion: 77 Resp: 135288

Ion Ratio Lower Upper

77 100

97 23.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

50000

40000

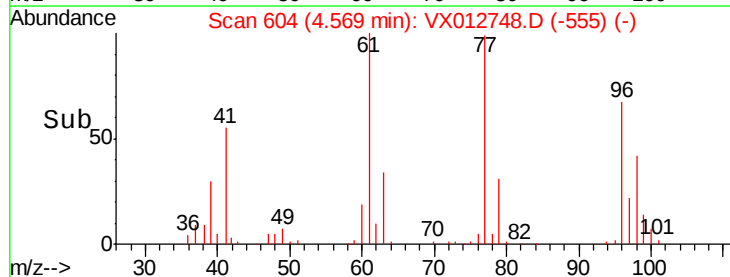
30000

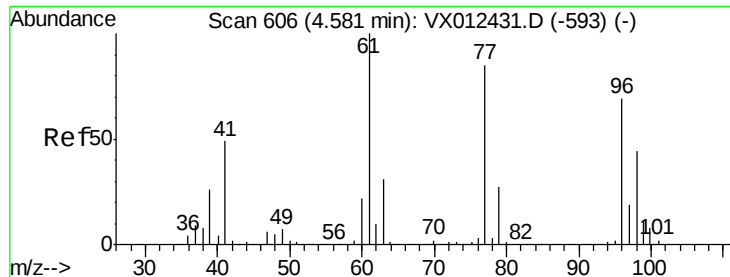
20000

10000

0

Time-->



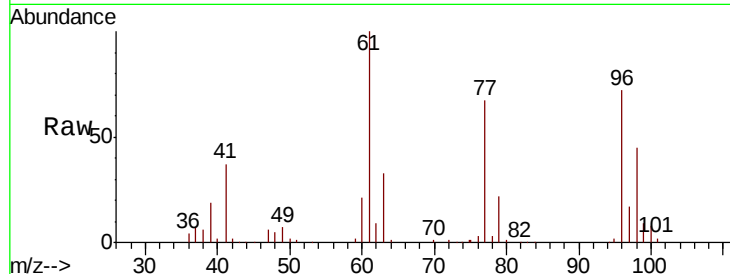


#27

cis-1,2-Dichloroethene
Concen: 48.098 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	115017
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	319.4
98	62.7	0.0	130.6

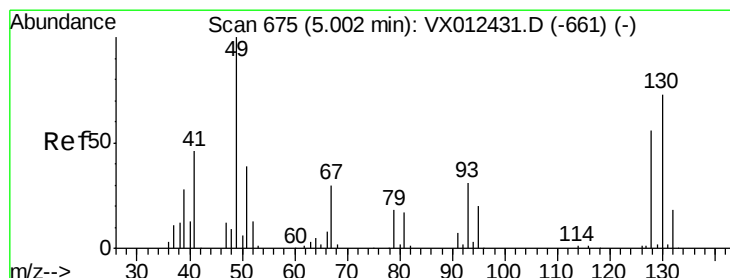
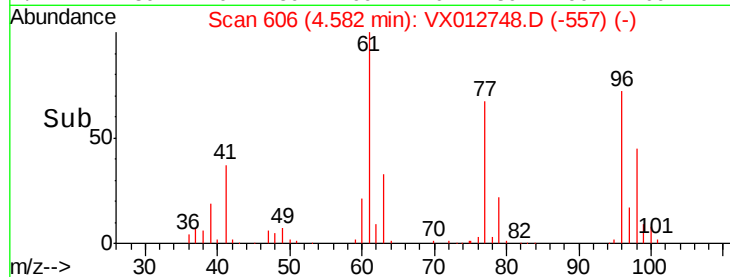
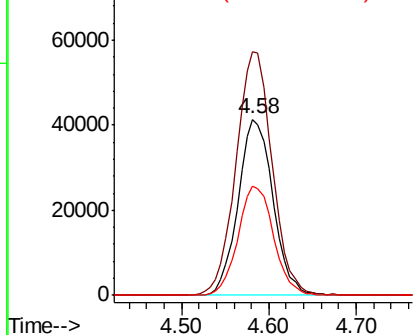


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

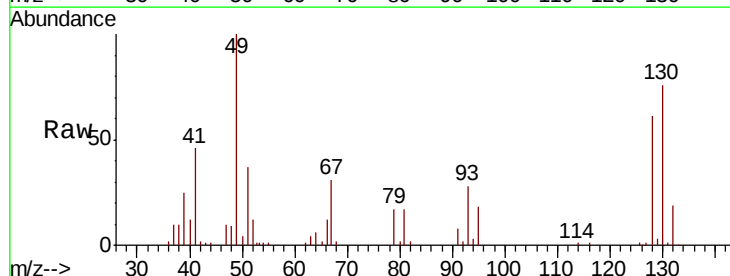
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 46.368 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion	49	Resp	65266
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	76.1	58.2	87.4

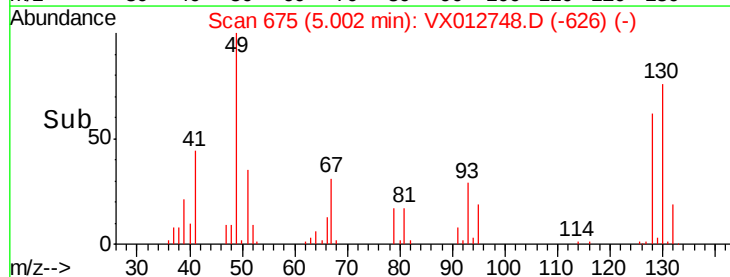
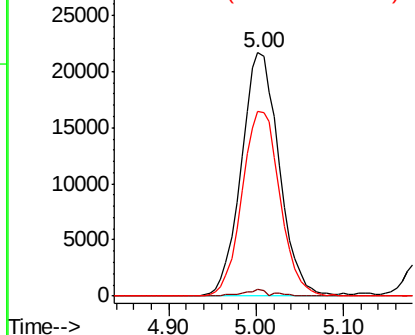


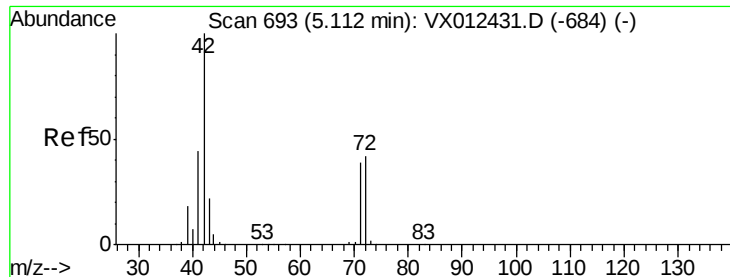
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 232.387 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampled :

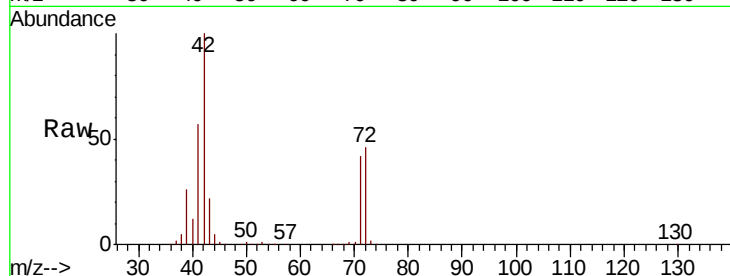
Tot Ion: 42 Resp: 271032

Ion Ratio Lower Upper

42 100

72 45.6 34.0 51.0

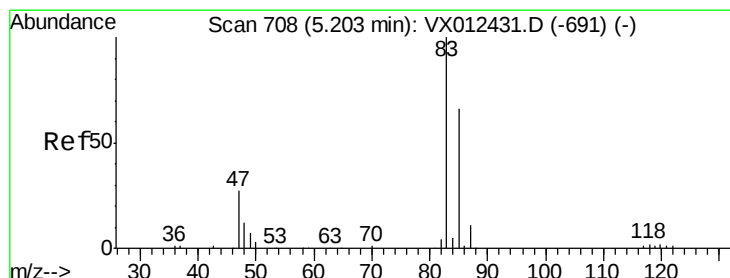
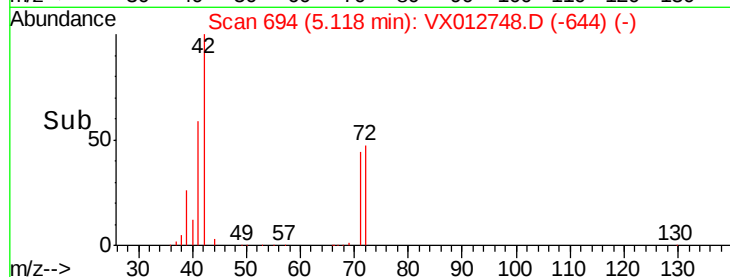
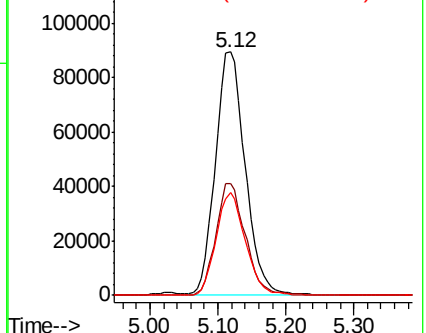
71 41.7 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 47.164 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012748.D

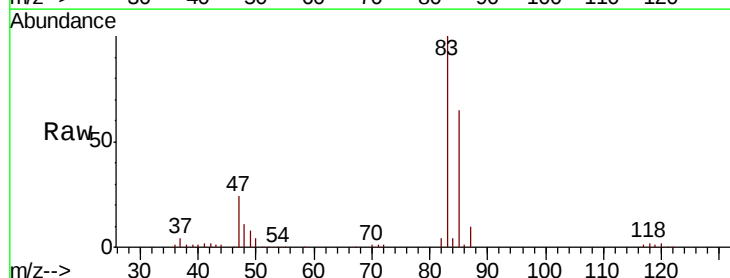
Acq: 01 Oct 2019 21:05

Tgt Ion: 83 Resp: 187054

Ion Ratio Lower Upper

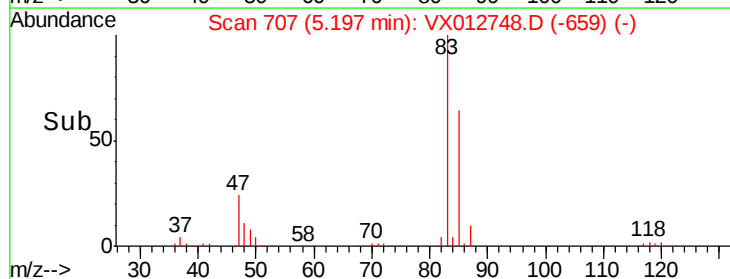
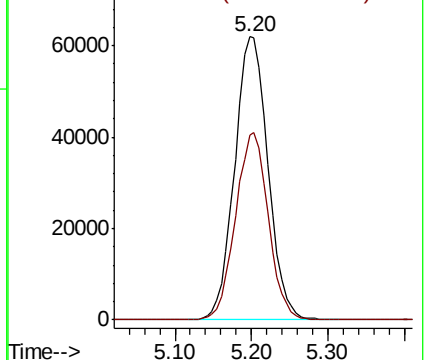
83 100

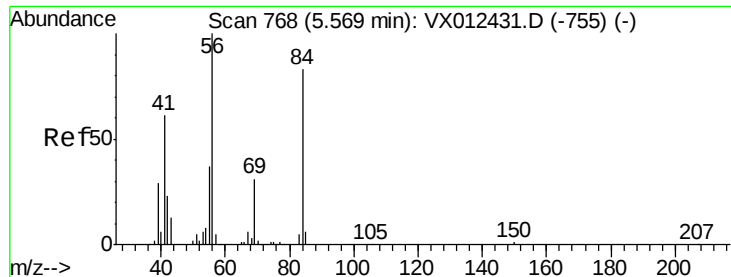
85 65.2 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

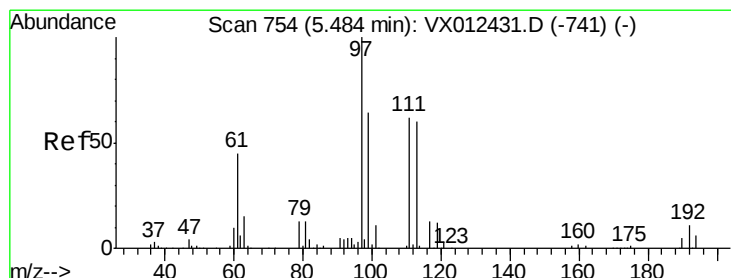
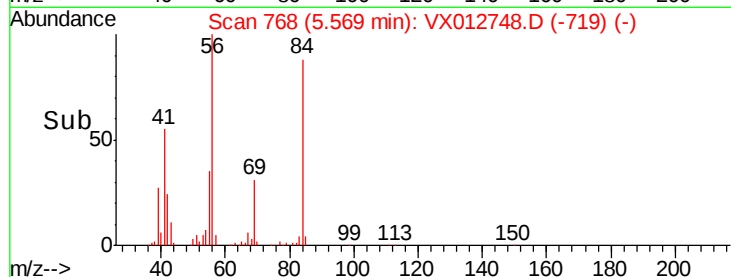
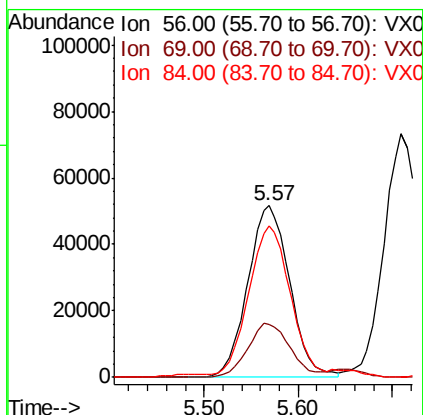
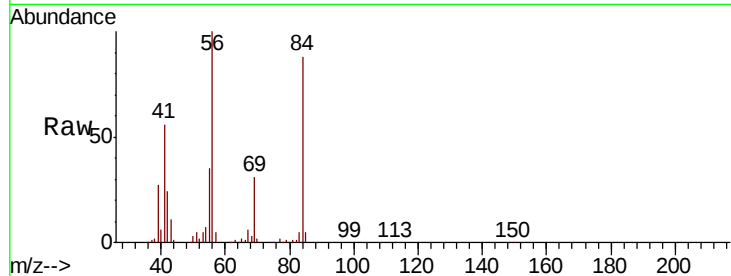




#31
Cyclohexane
Concen: 45.939 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

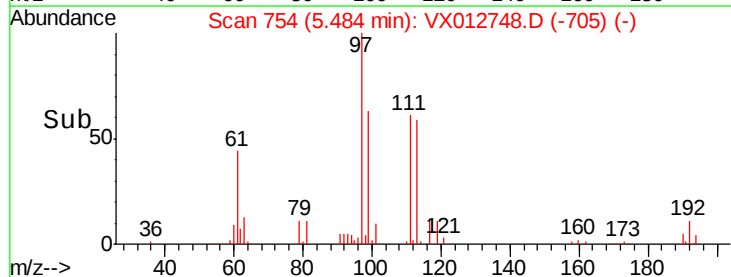
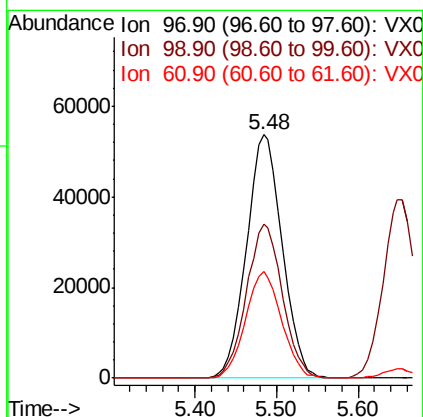
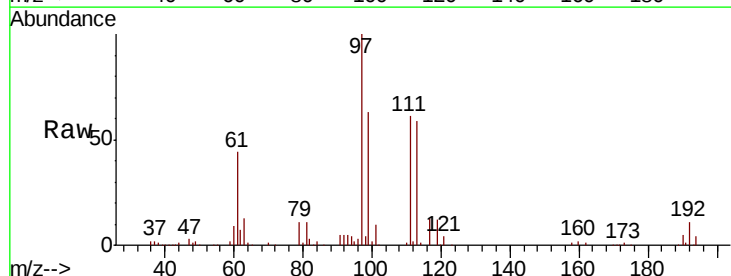
Instrument :
MSVOA_X
ClientSampleId :

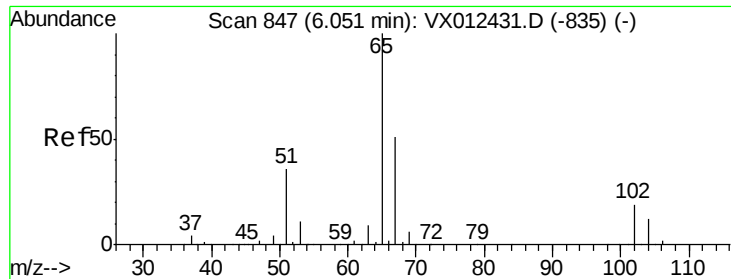
Tot Ion: 56 Resp: 161106
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 86.2 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 46.605 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 97 Resp: 163814
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 44.0 36.1 54.1

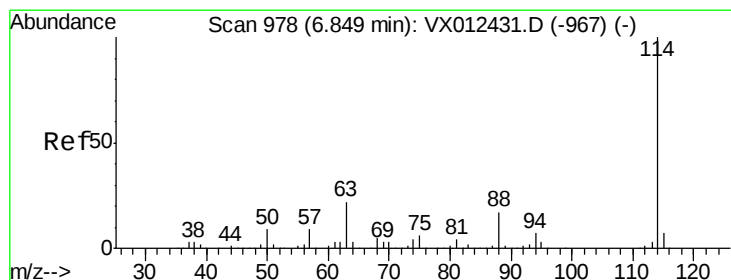
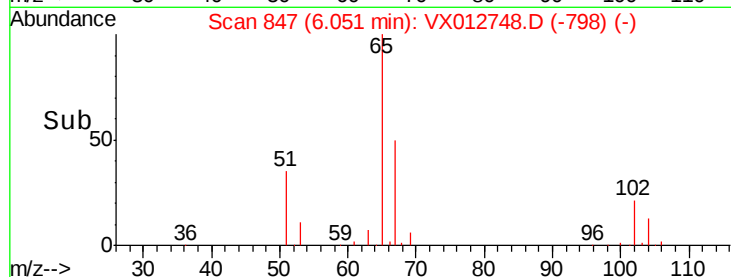
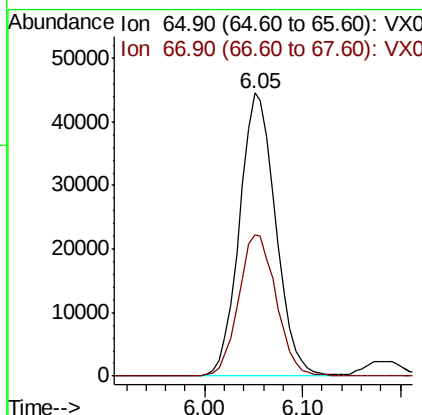
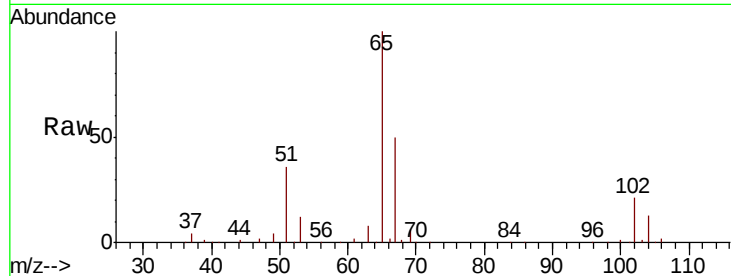




#33
 1,2-Dichloroethane-d4
 Concen: 45.609 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

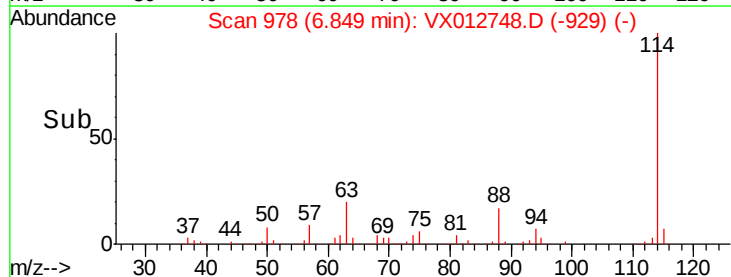
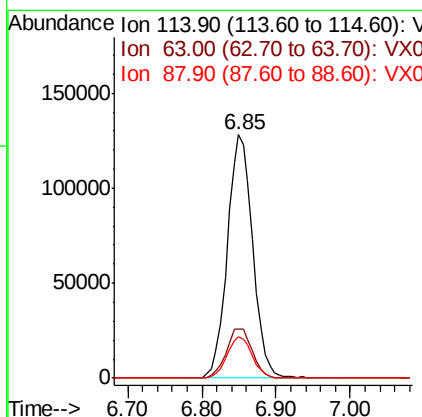
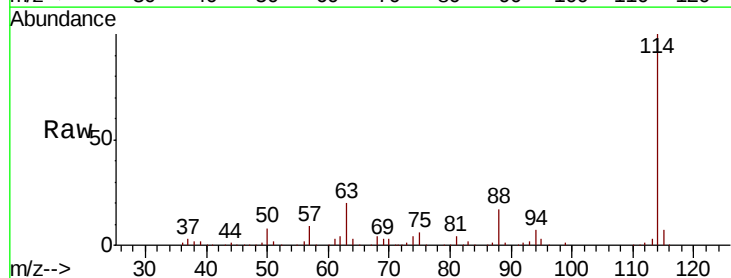
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 114912
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 114 Resp: 304574
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.583 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

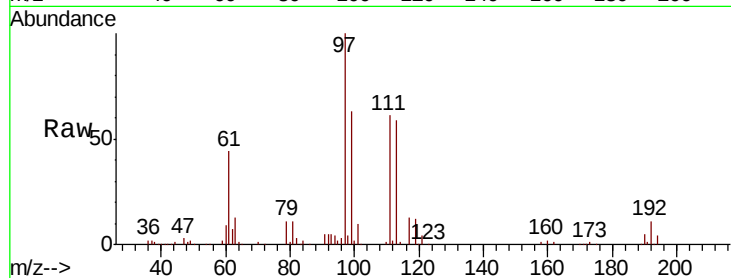
Tot Ion:113 Resp: 89937

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

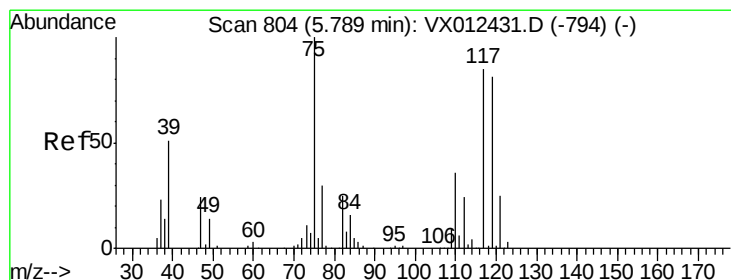
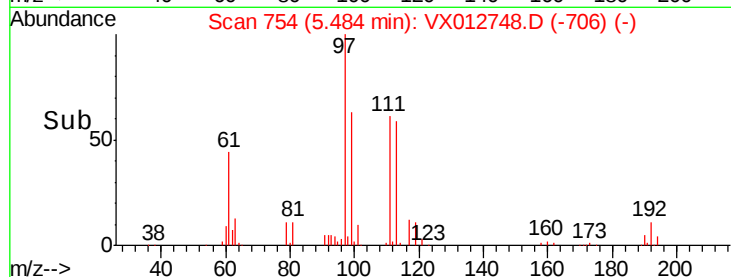
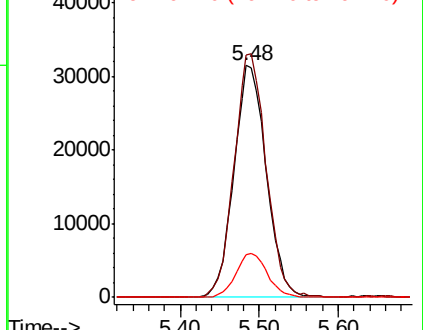
192 18.4 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.617 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

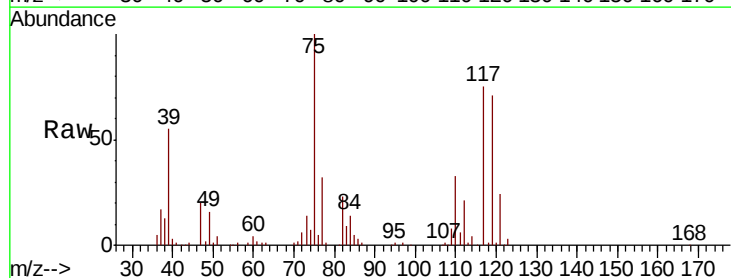
Tgt Ion: 75 Resp: 136857

Ion Ratio Lower Upper

75 100

110 34.9 16.7 50.0

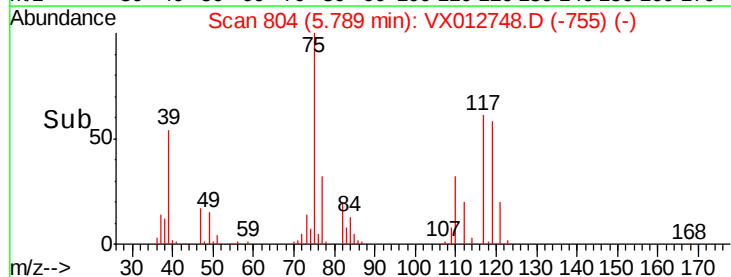
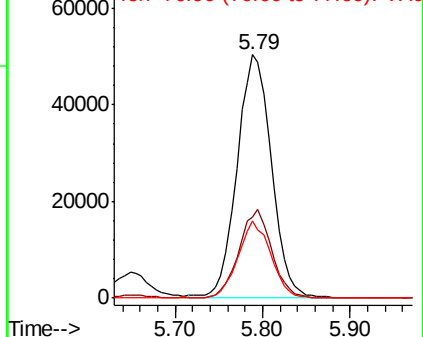
77 30.5 24.2 36.2

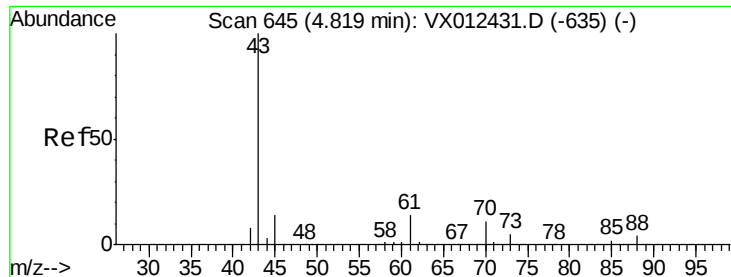


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

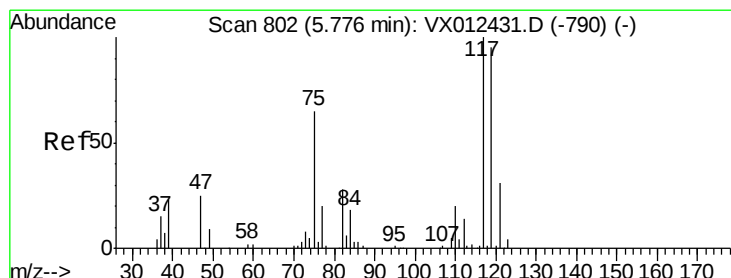
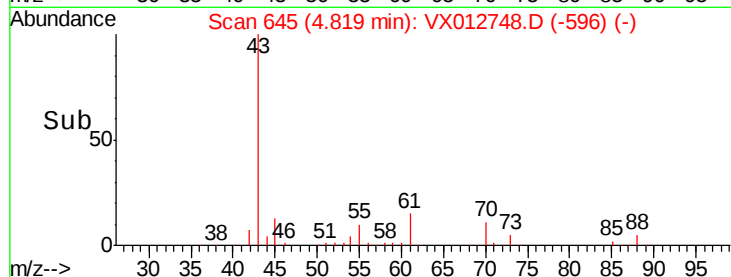
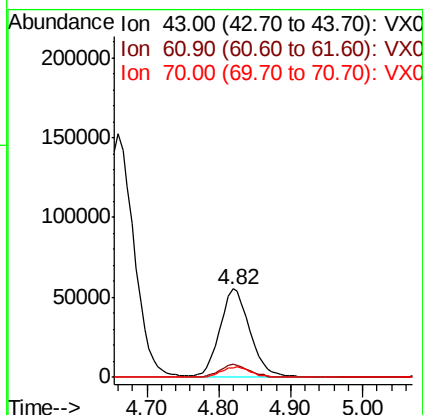
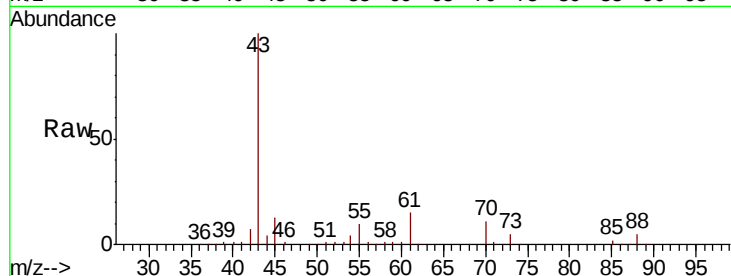




#37
Ethyl Acetate
Concen: 46.760 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

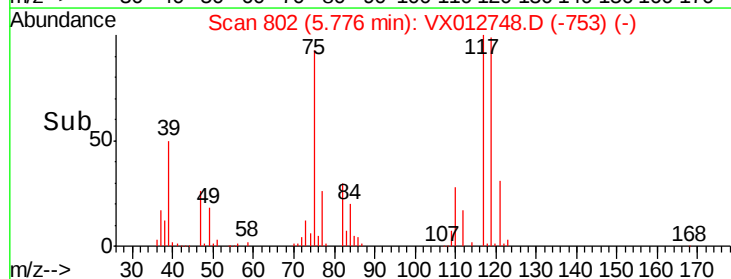
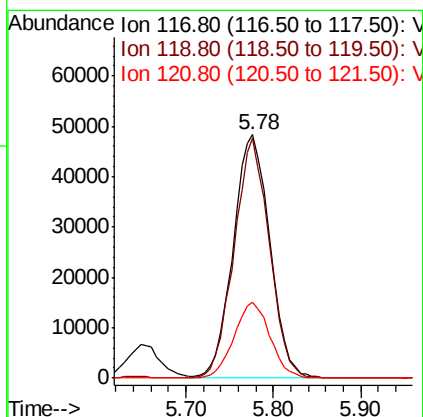
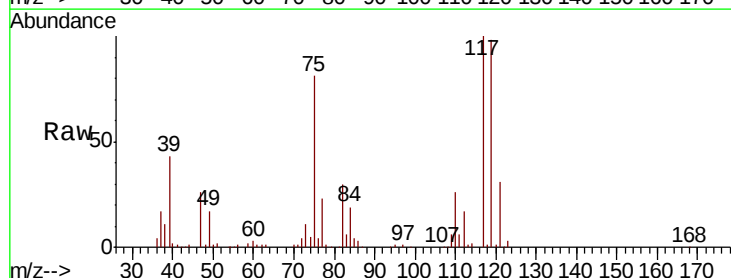
Instrument :
MSVOA_X
ClientSampleId :

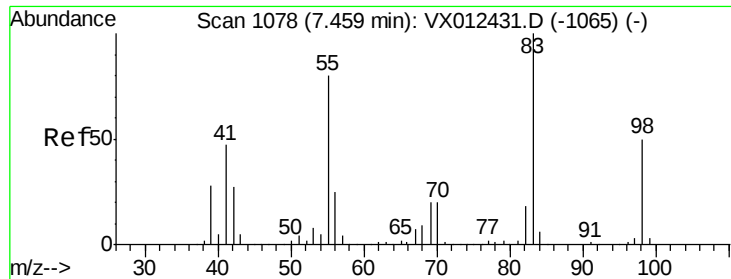
Tot Ion: 43 Resp: 160491
Ion Ratio Lower Upper
43 100
61 14.9 10.2 15.4
70 11.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.256 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 117 Resp: 140927
Ion Ratio Lower Upper
117 100
119 98.3 75.7 113.5
121 31.2 24.2 36.4

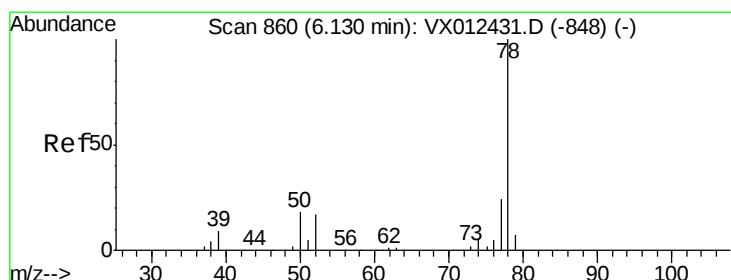
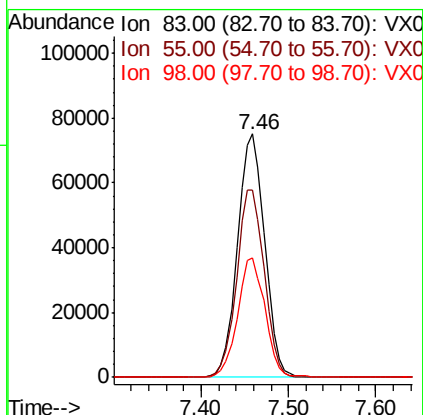
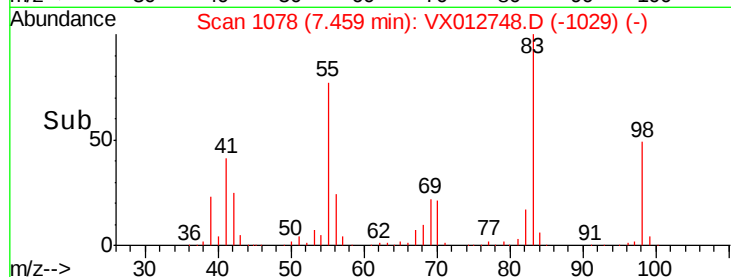
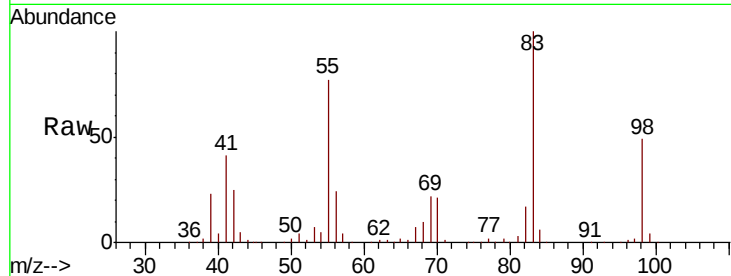




#39
Methvlcvclohexane
Concen: 45.883 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

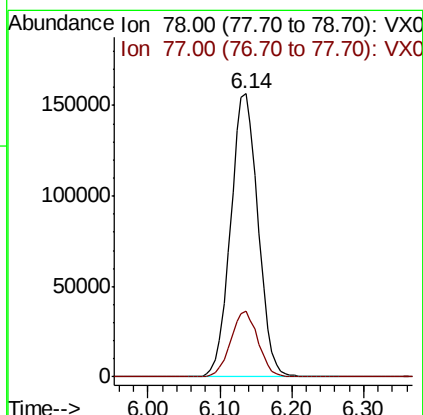
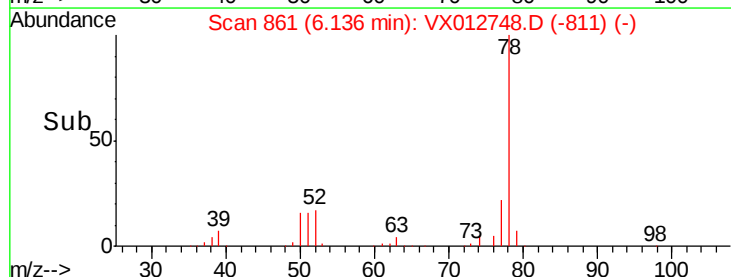
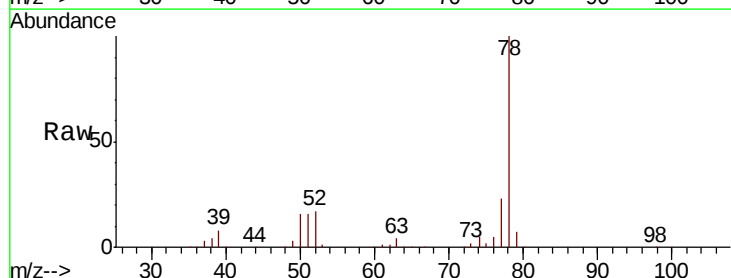
Instrument :
MSVOA_X
ClientSampled :

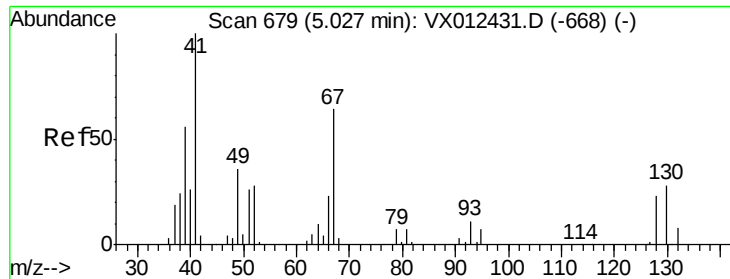
Tot Ion: 83 Resp: 162164
Ion Ratio Lower Upper
83 100
55 76.9 64.4 96.6
98 48.9 40.1 60.1



#40
Benzene
Concen: 47.957 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 78 Resp: 414243
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





#41

Methacrylonitrile

Concen: 46.590 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 89719

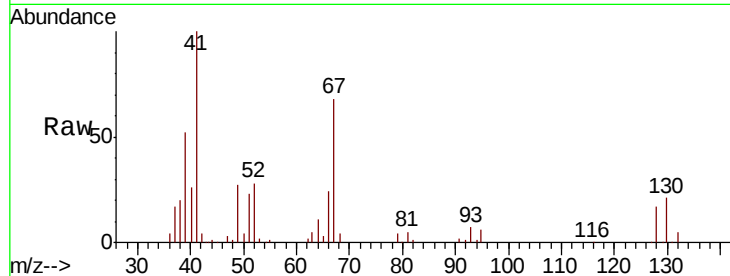
Ion Ratio Lower Upper

41 100

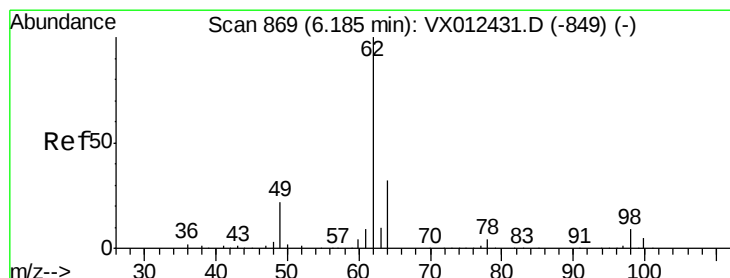
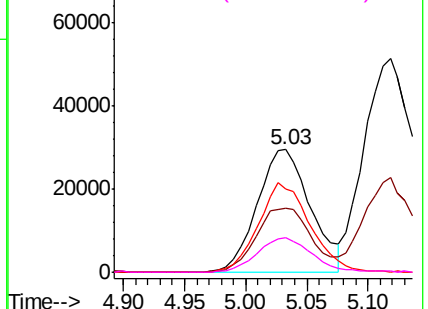
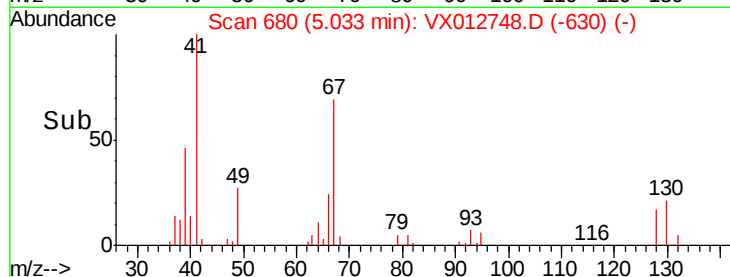
39 53.1 46.0 69.0

67 70.9 52.2 78.2

52 28.7 22.7 34.1



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



#42

1,2-Dichloroethane

Concen: 46.300 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012748.D

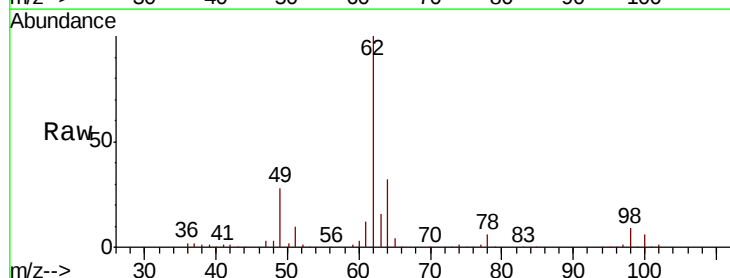
Acq: 01 Oct 2019 21:05

Tgt Ion: 62 Resp: 151871

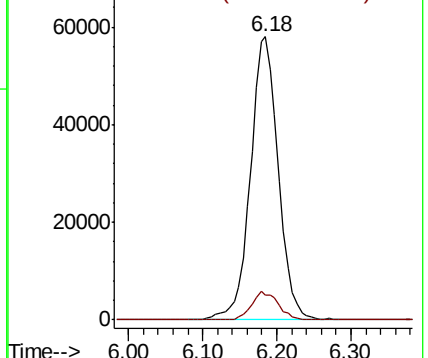
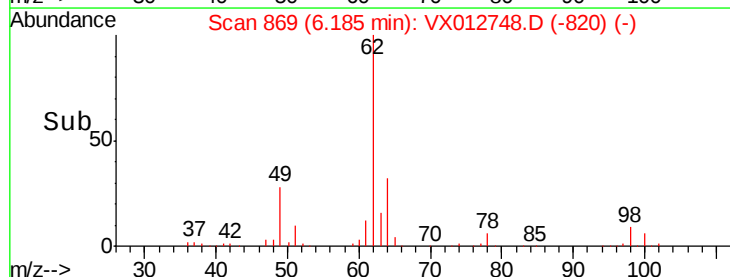
Ion Ratio Lower Upper

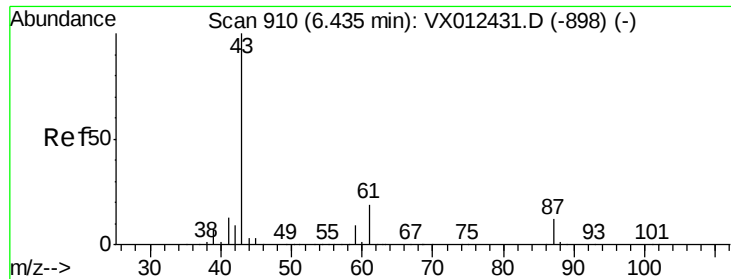
62 100

98 9.5 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



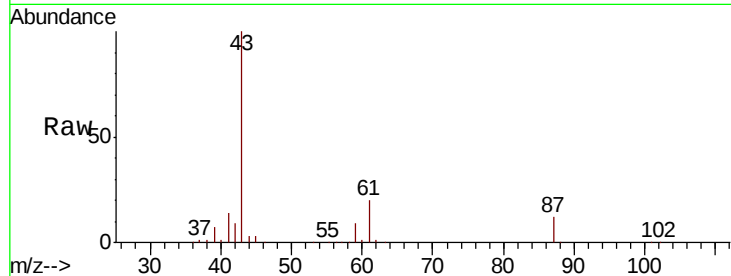


#43

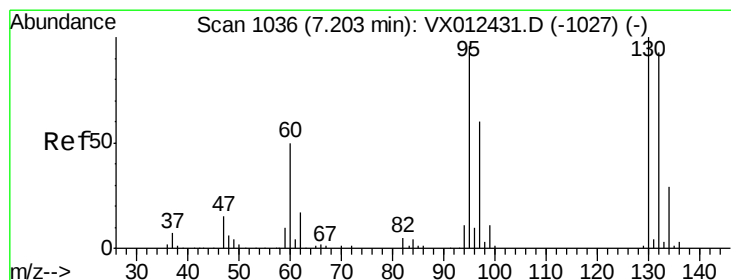
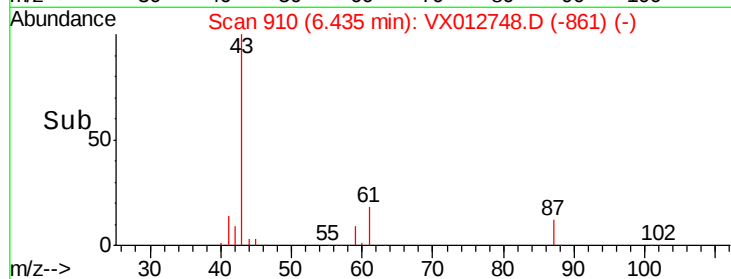
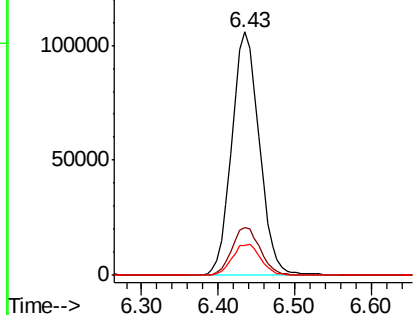
Isopropyl Acetate
 Concen: 45.940 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 263683
 Ion Ratio Lower Upper
 43 100
 61 20.4 15.4 23.0
 87 13.3 9.8 14.8



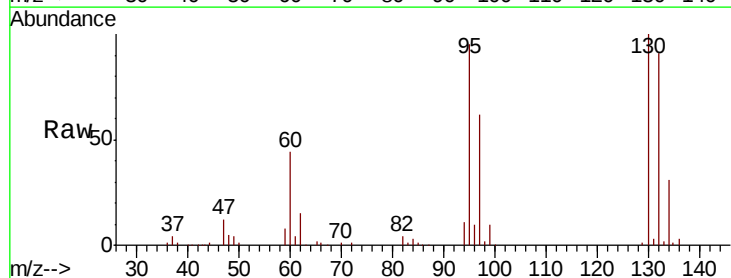
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



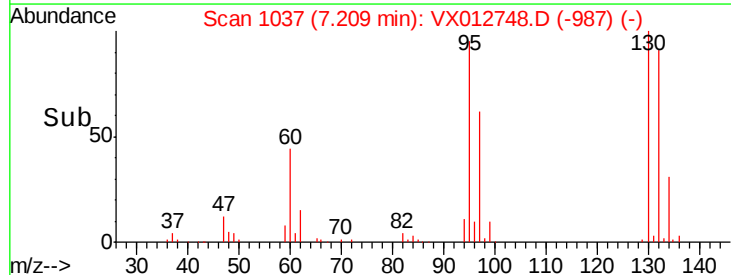
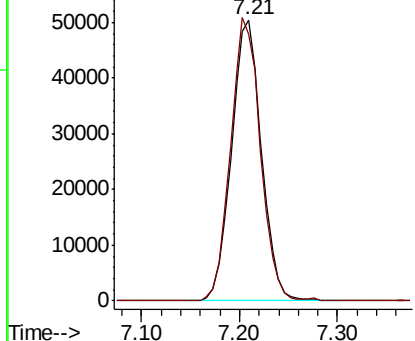
#44

Trichloroethene
 Concen: 48.351 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 130 Resp: 106771
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

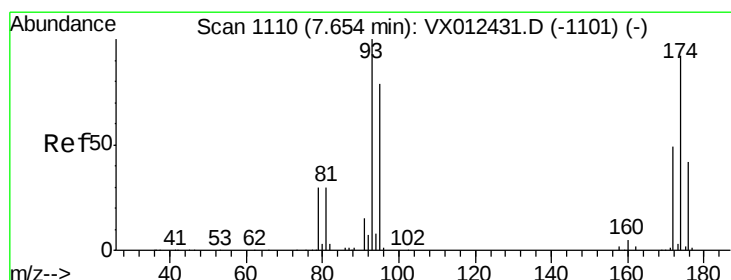
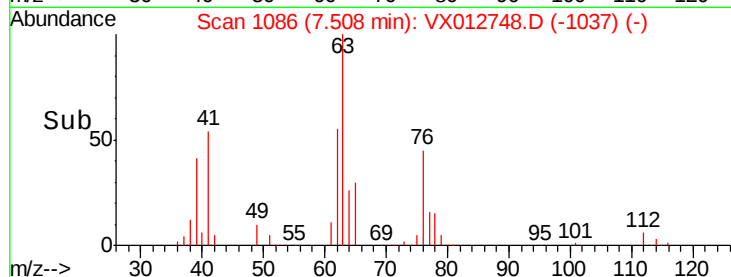
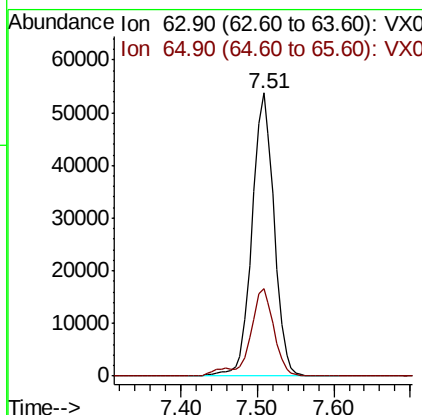
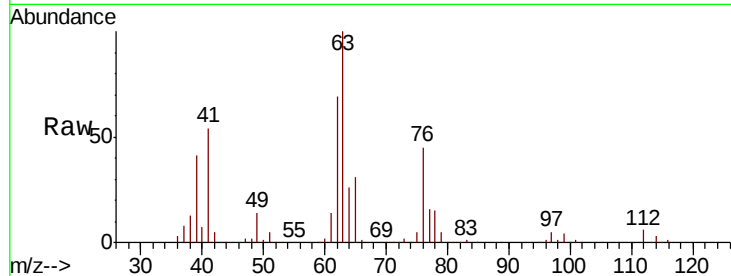




#45
 1,2-Dichloropropane
 Concen: 49.052 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

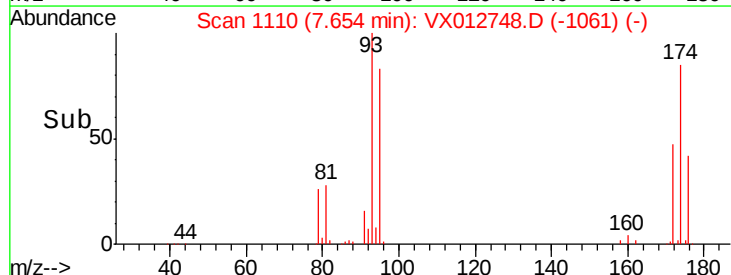
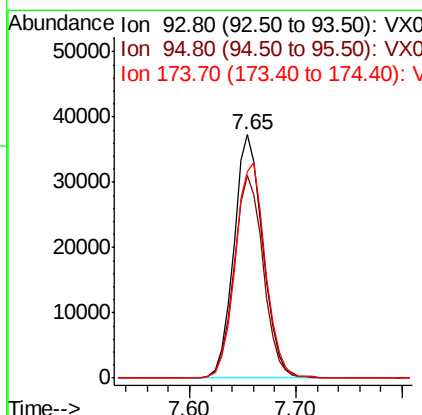
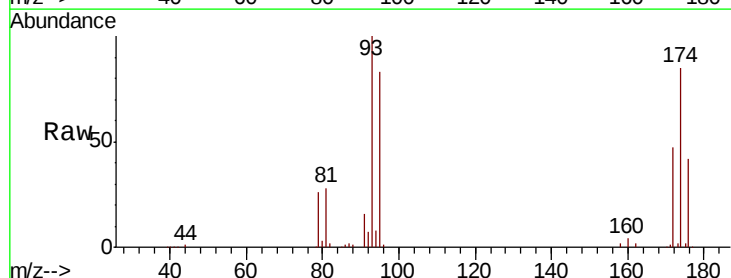
Instrument :
 MSVOA_X
 ClientSampled :

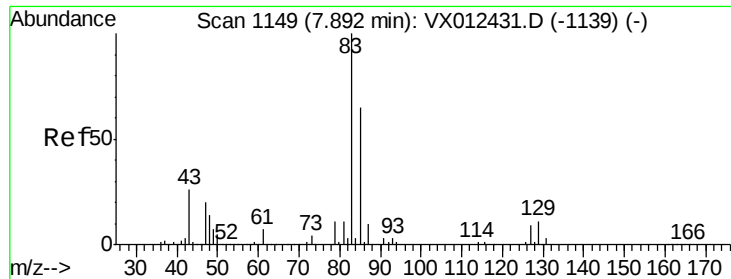
Tot Ion: 63 Resp: 108477
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 47.473 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 93 Resp: 71481
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 91.4 77.4 116.0

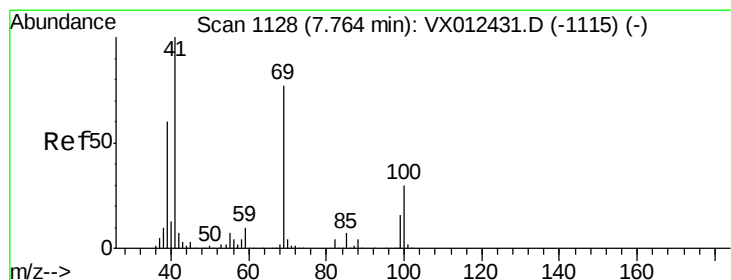
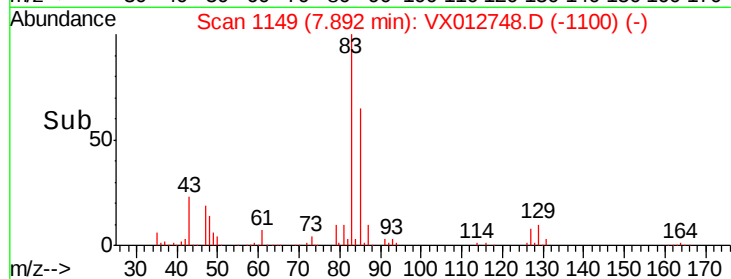
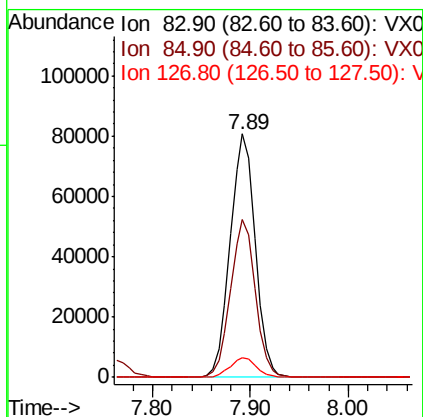
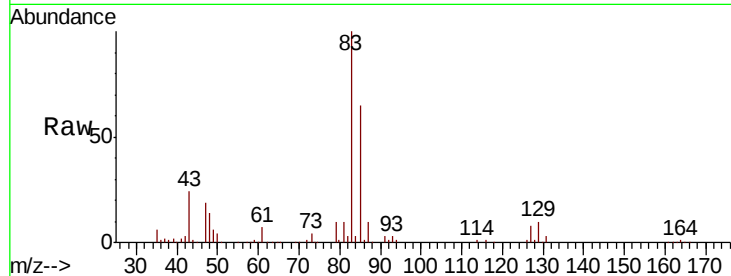




#47
 Bromodichloromethane
 Concen: 47.744 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

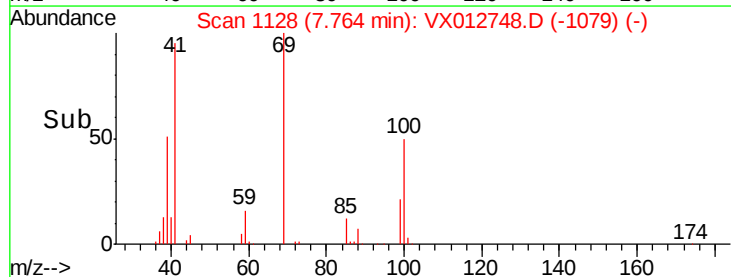
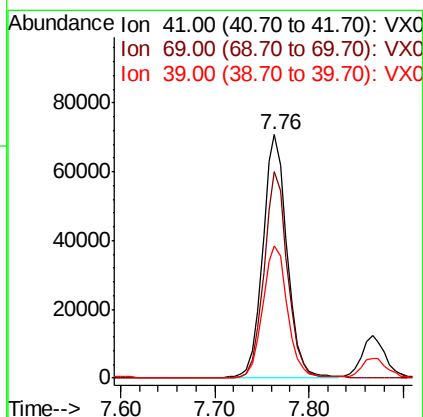
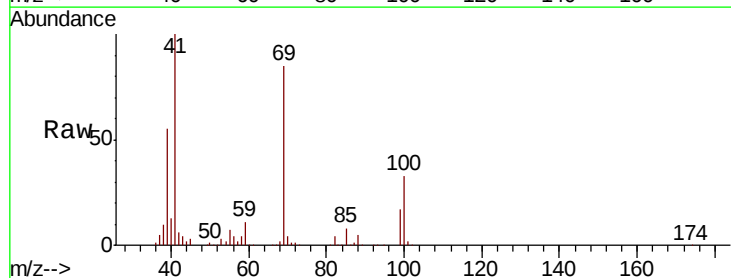
Instrument :
 MSVOA_X
 ClientSampled :

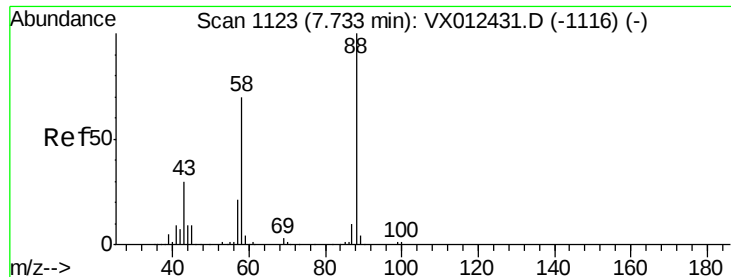
Tot Ion: 83 Resp: 143679
 Ion Ratio Lower Upper
 83 100
 85 64.7 51.8 77.6
 127 7.9 7.3 10.9



#48
 Methyl methacrylate
 Concen: 46.707 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 41 Resp: 128546
 Ion Ratio Lower Upper
 41 100
 69 82.5 59.9 89.9
 39 55.6 47.8 71.6

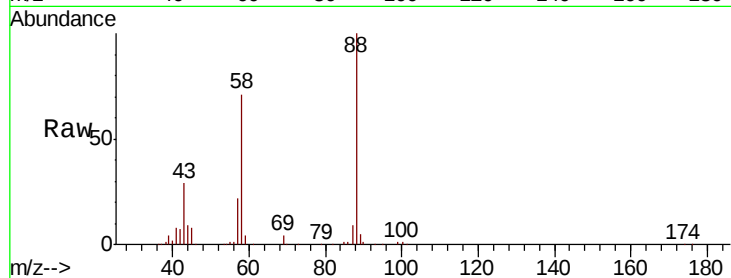




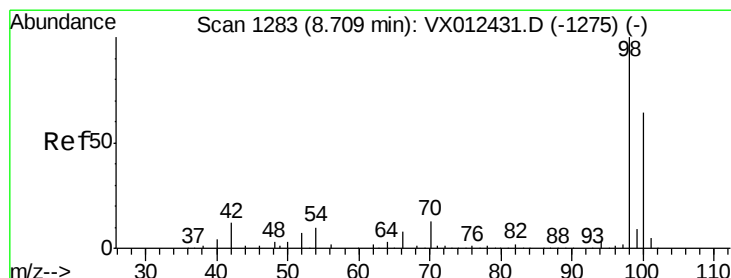
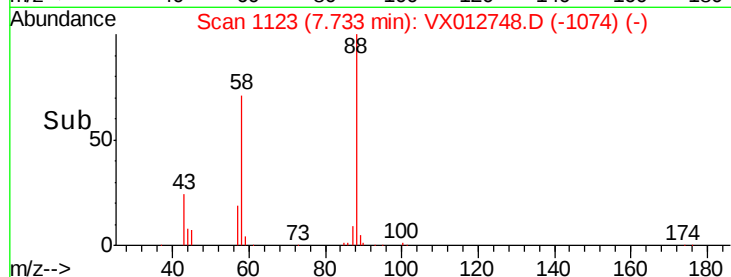
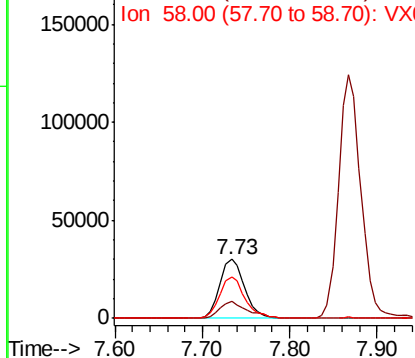
#49
1,4-Dioxane
Concen: 955.462 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 59644
Ion Ratio Lower Upper
88 100
43 31.3 29.4 44.0
58 70.9 57.5 86.3

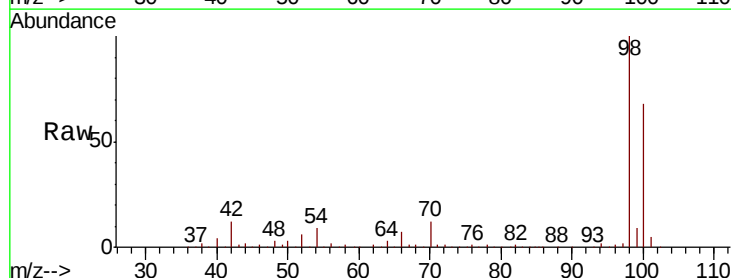


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

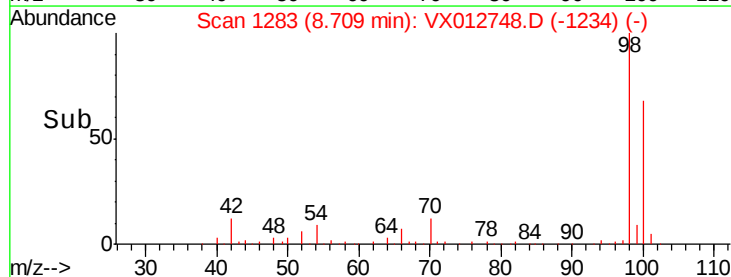
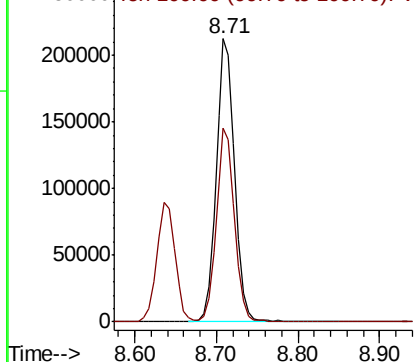


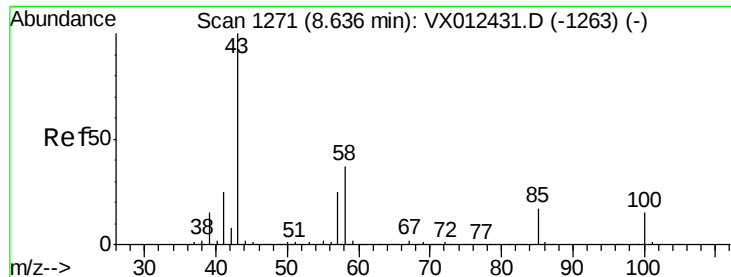
#50
Toluene-d8
Concen: 47.923 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 98 Resp: 334756
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 232.630 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

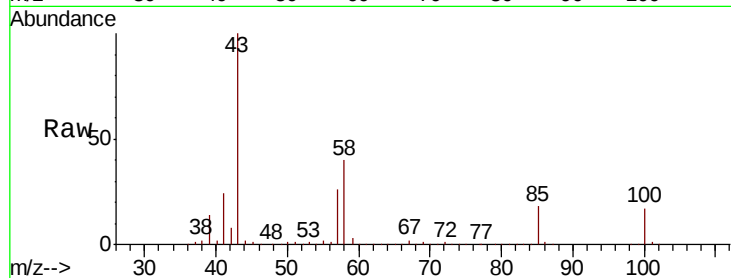
ClientSampled :

Tot Ion: 43 Resp: 824217

Ion Ratio Lower Upper

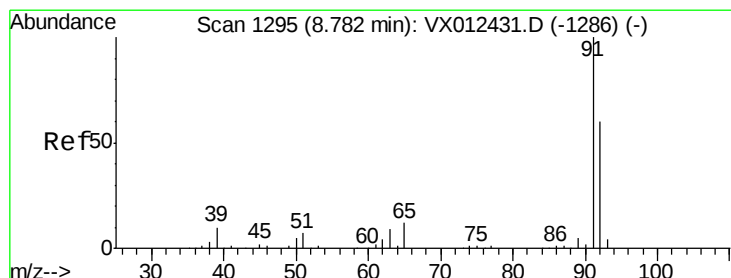
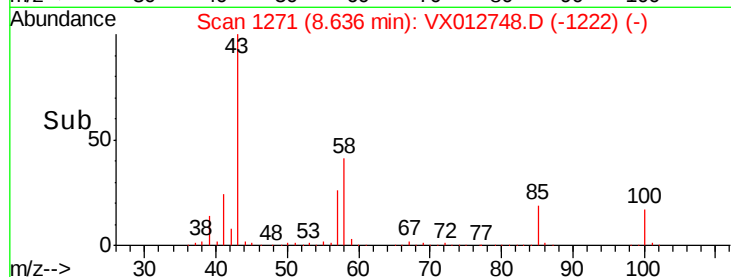
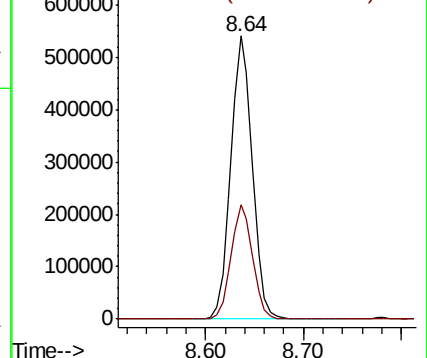
43 100

58 40.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.032 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012748.D

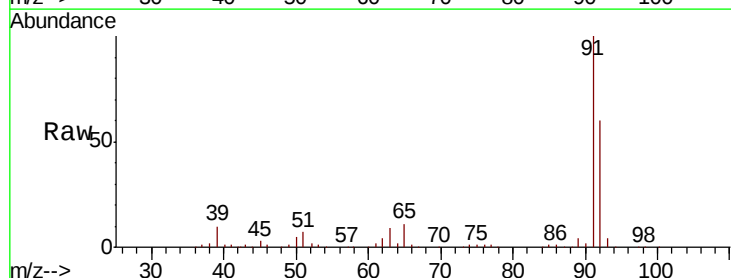
Acq: 01 Oct 2019 21:05

Tgt Ion: 92 Resp: 260766

Ion Ratio Lower Upper

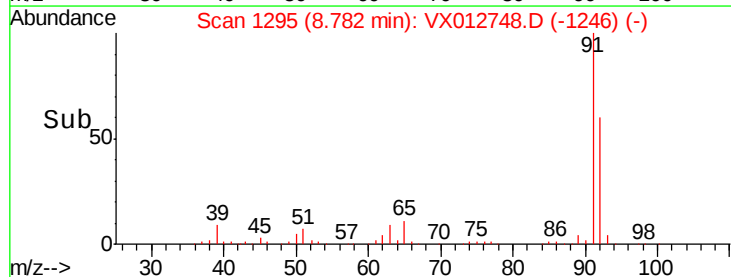
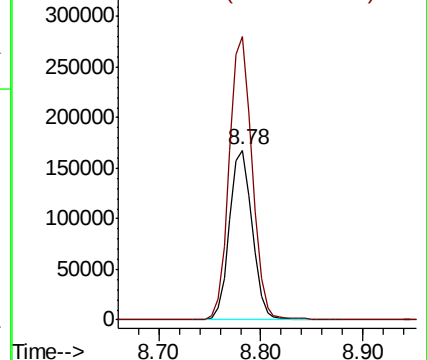
92 100

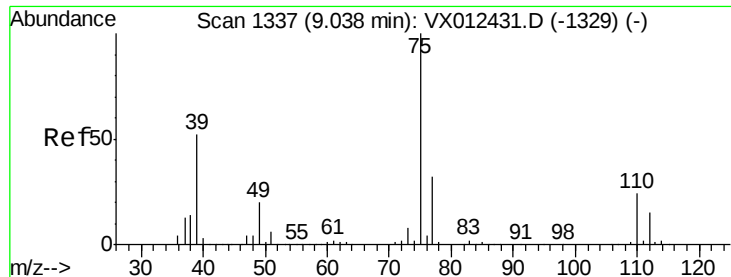
91 167.5 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

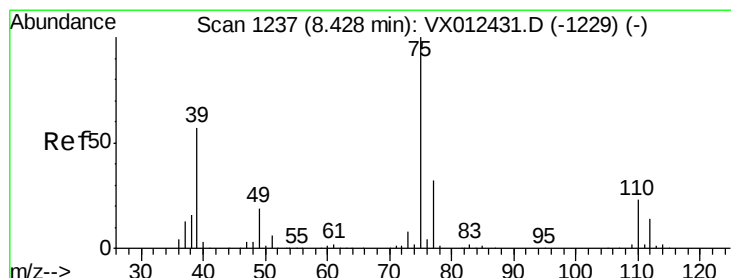
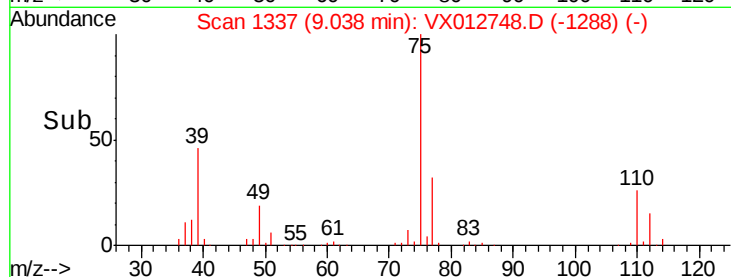
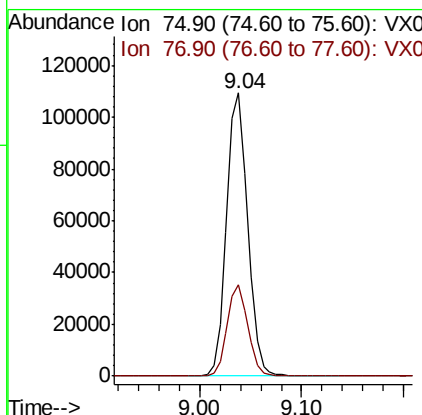
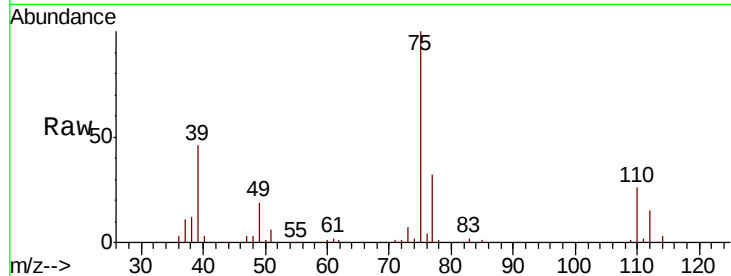




#53
 t-1,3-Dichloropropene
 Concen: 46.986 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

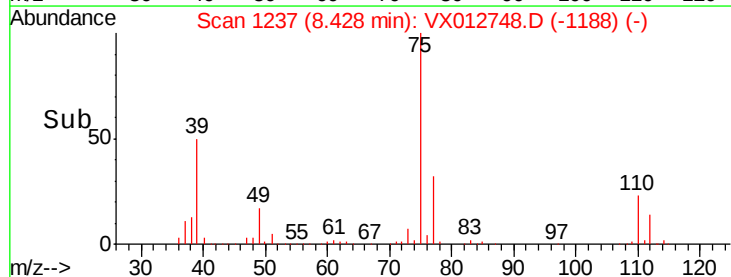
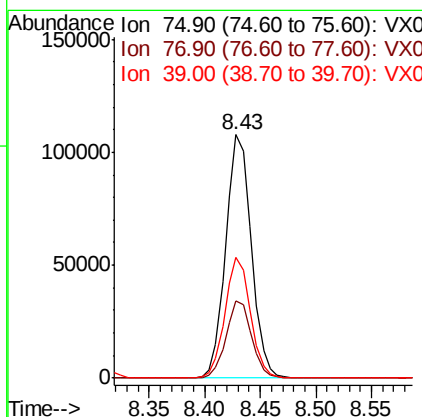
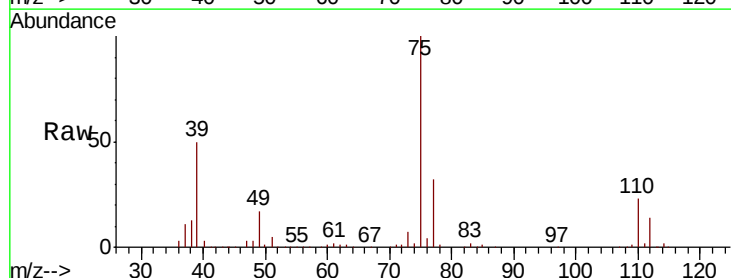
Instrument :
 MSVOA_X
 ClientSampleId :

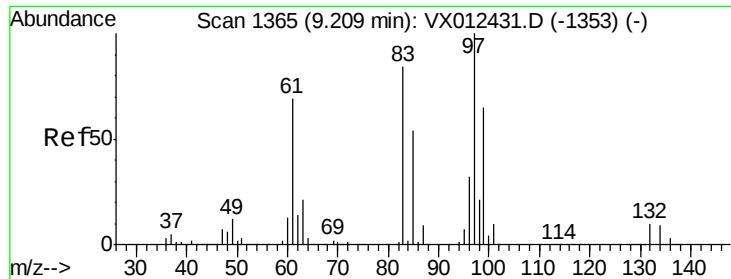
Tot Ion: 75 Resp: 156443
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 47.268 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 75 Resp: 171836
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8
 39 49.5 45.5 68.3

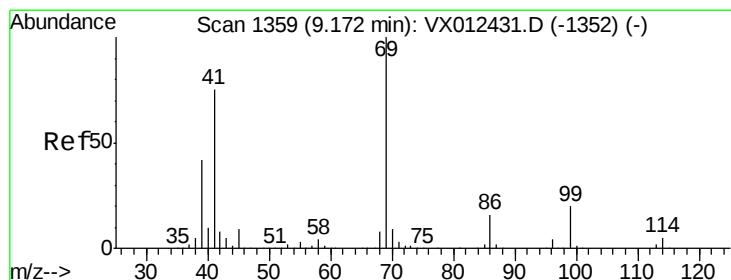
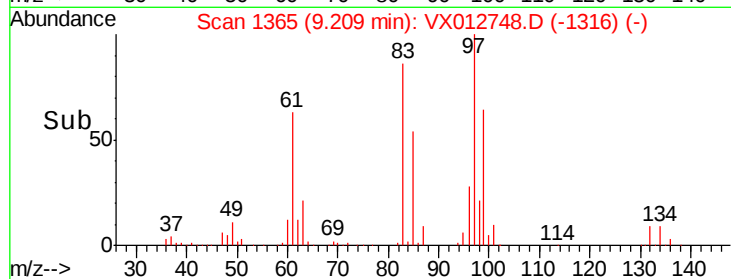
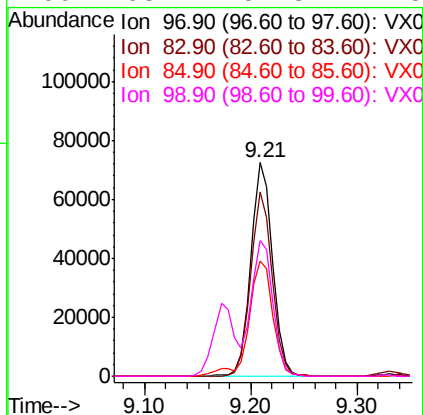
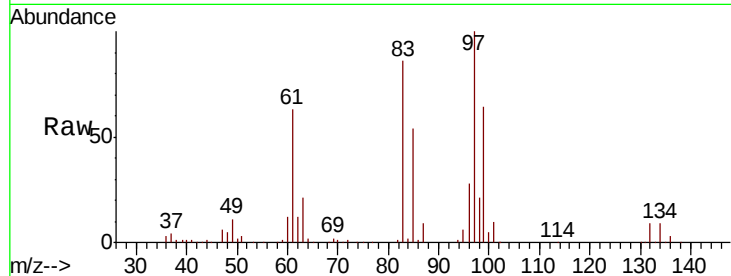




#55
 1,1,2-Trichloroethane
 Concen: 48.335 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

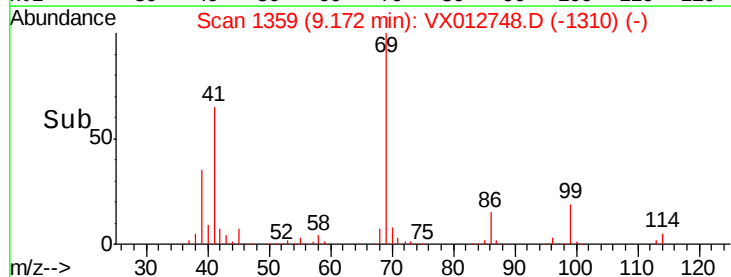
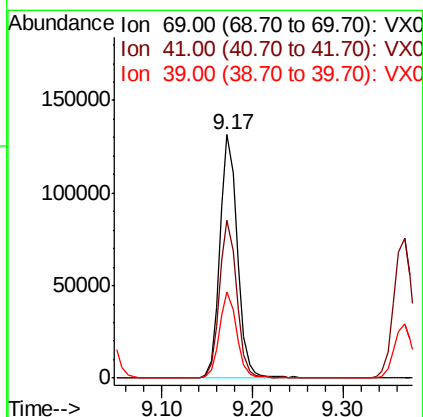
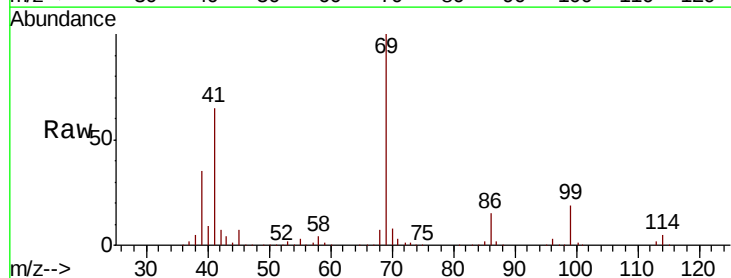
Instrument :
 MSVOA_X
 ClientSampleId :

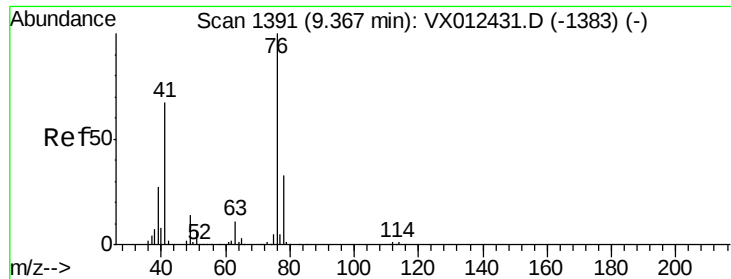
Tot Ion:	97	Resp:	104326
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	54.0	43.5	65.3
99	63.7	51.8	77.8



#56
 Ethyl methacrylate
 Concen: 49.021 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion:	69	Resp:	177755
Ion	Ratio	Lower	Upper
69	100		
41	65.0	58.4	87.6
39	35.2	33.4	50.0





#57

1,3-Dichloropropane

Concen: 48.588 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

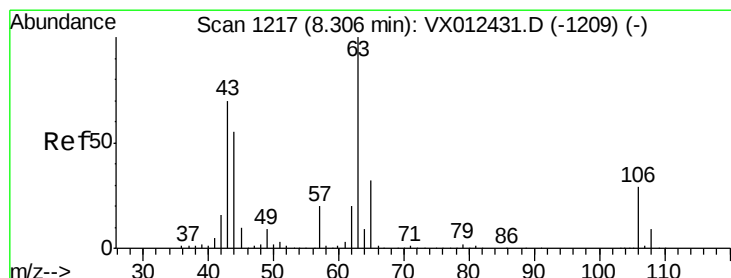
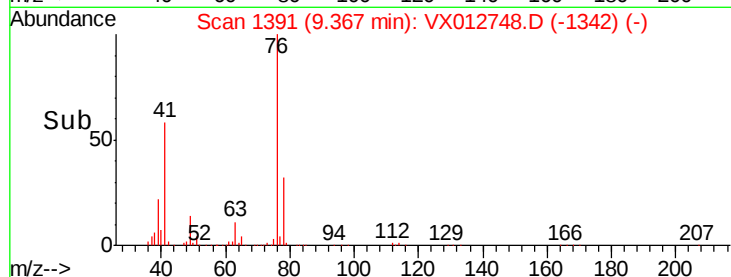
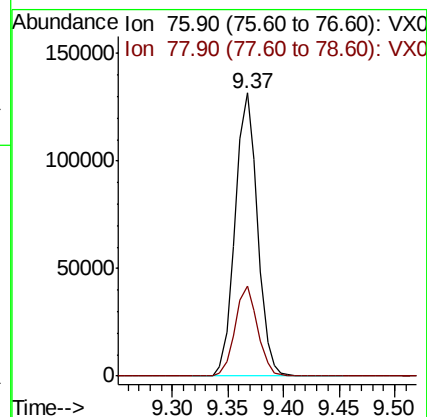
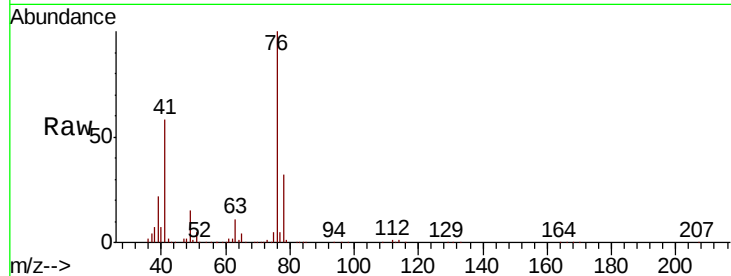
ClientSampleId :

Tot Ion: 76 Resp: 183544

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 256.380 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012748.D

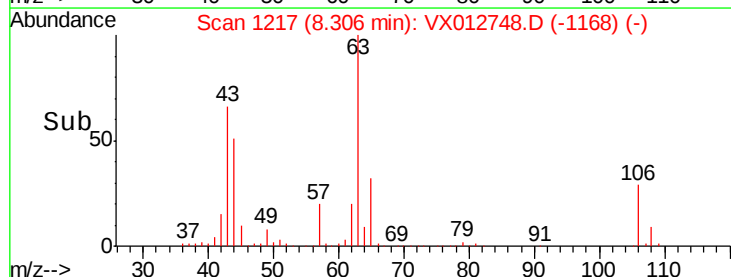
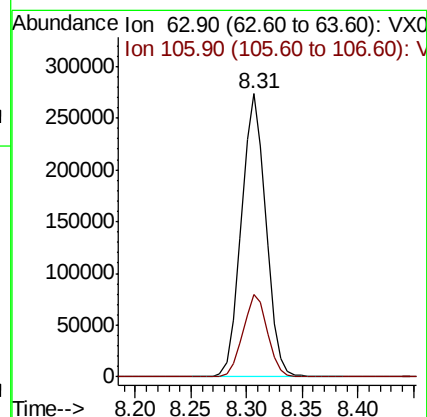
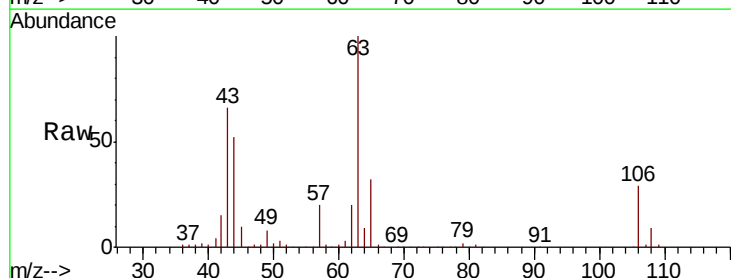
Acq: 01 Oct 2019 21:05

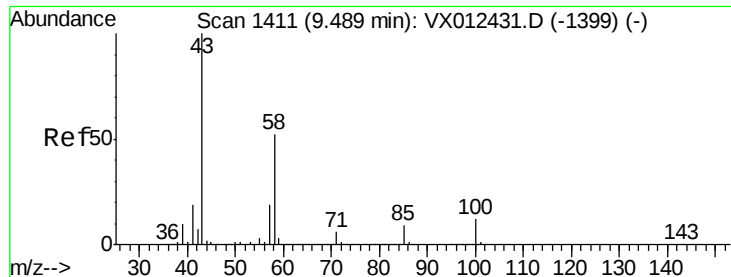
Tgt Ion: 63 Resp: 417302

Ion Ratio Lower Upper

63 100

106 29.0 23.8 35.6

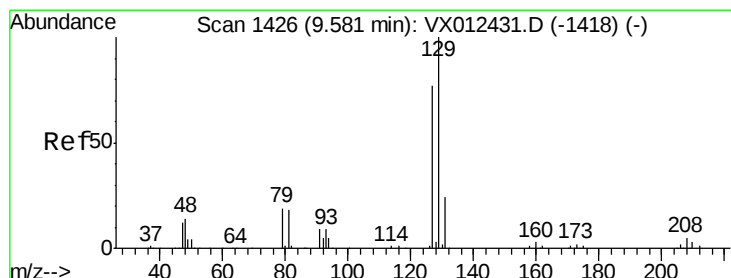
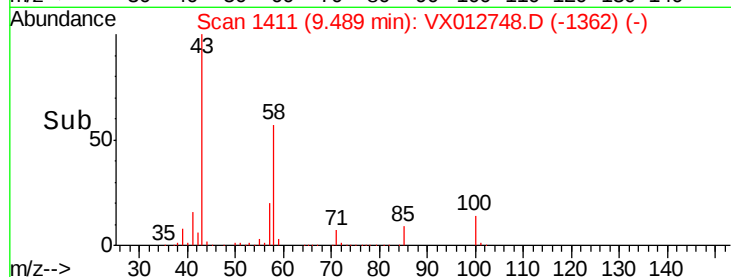
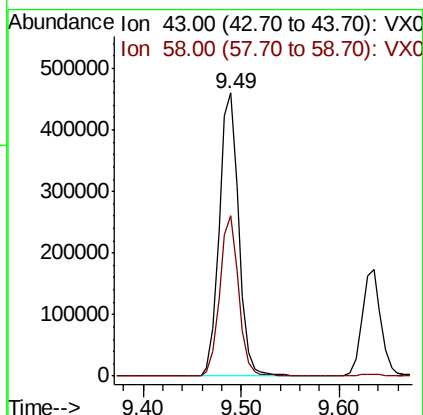
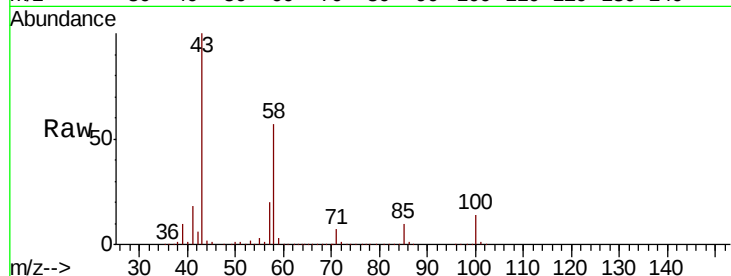




#59
2-Hexanone
Concen: 233.083 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

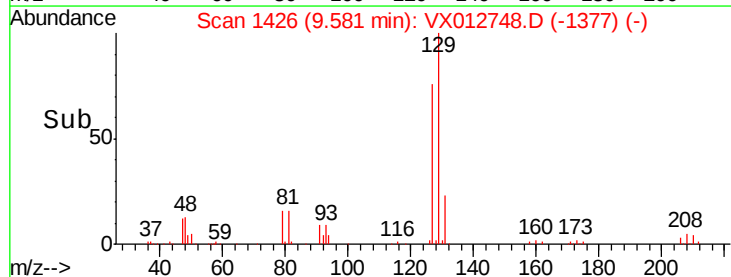
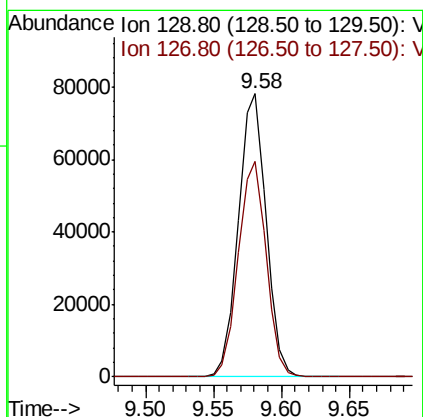
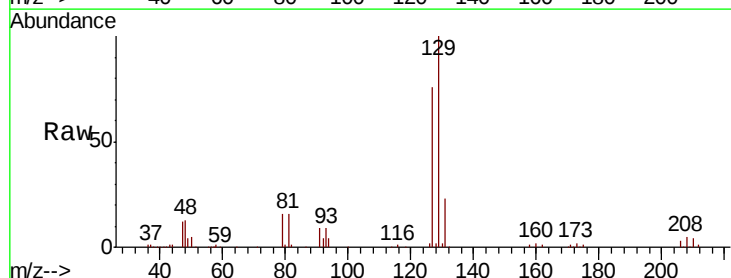
Instrument :
MSVOA_X
ClientSampled :

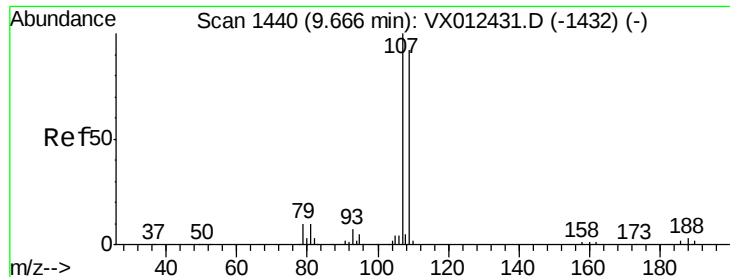
Tot Ion: 43 Resp: 632118
Ion Ratio Lower Upper
43 100
58 55.4 25.7 77.1



#60
Dibromochloromethane
Concen: 50.956 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 129 Resp: 111335
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.737 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

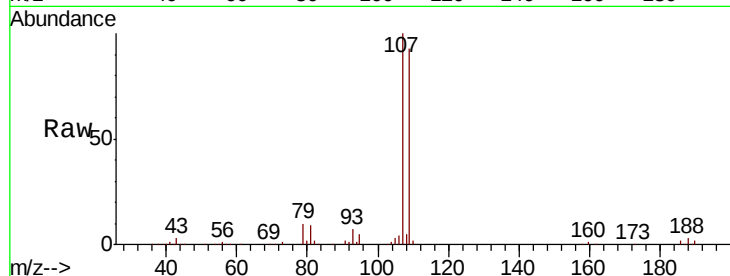
ClientSampleId :

Tot Ion:107 Resp: 111725

Ion Ratio Lower Upper

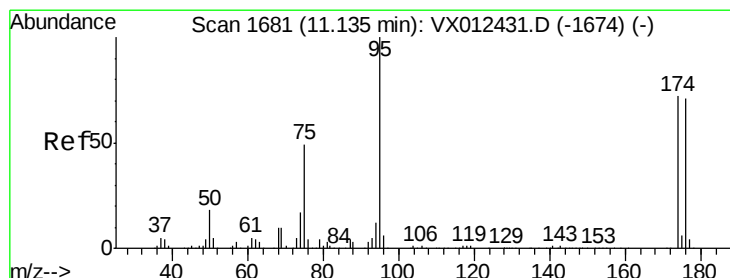
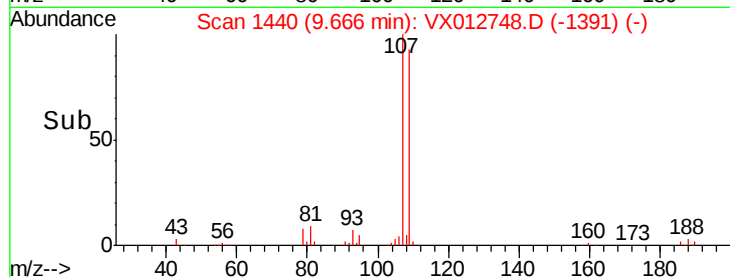
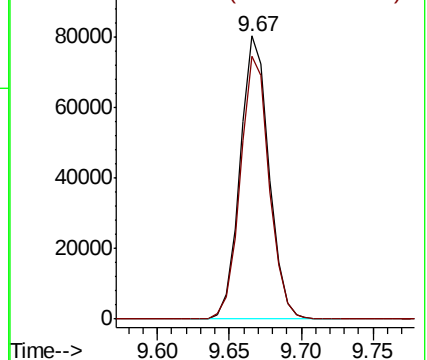
107 100

109 93.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.421 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

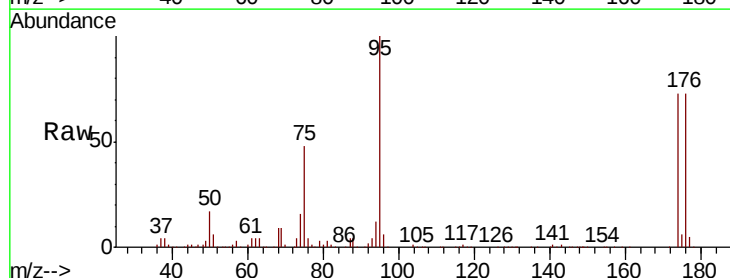
Tgt Ion: 95 Resp: 127502

Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.0

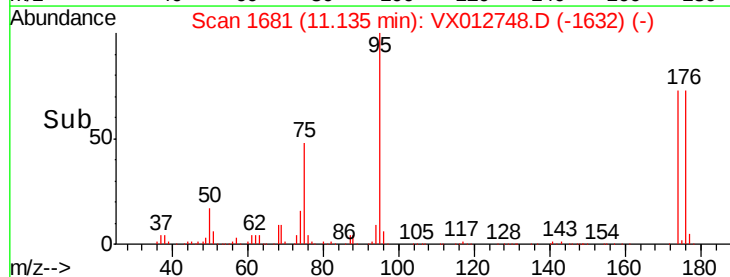
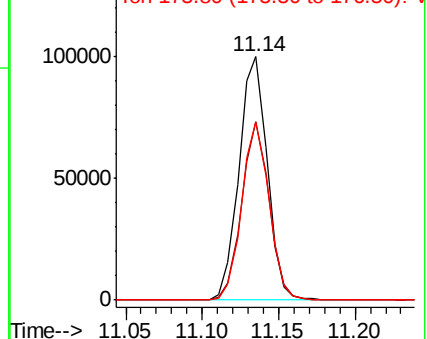
176 70.6 0.0 135.4

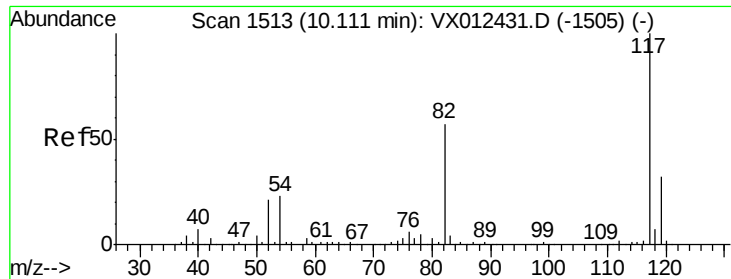


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

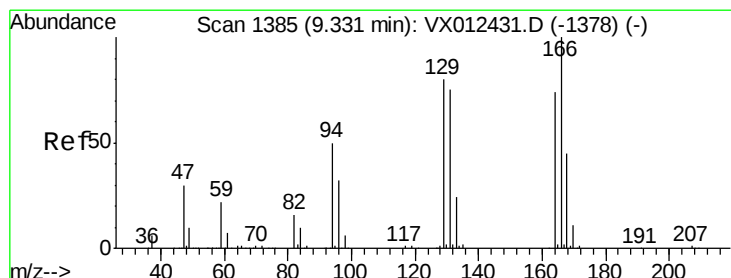
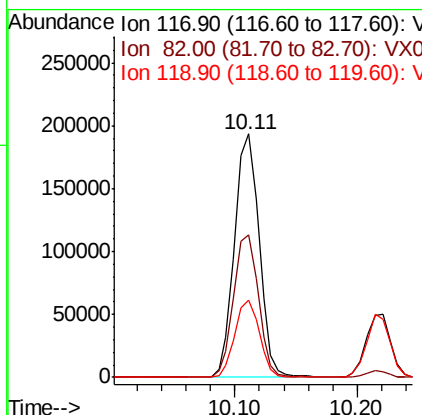
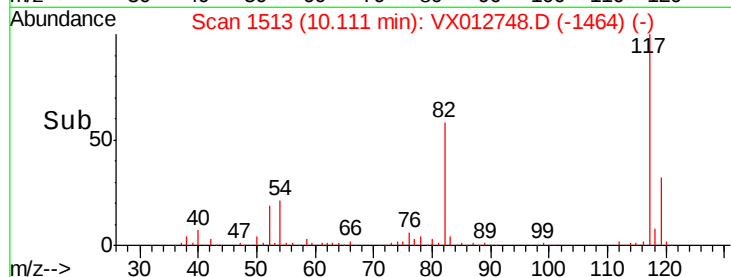
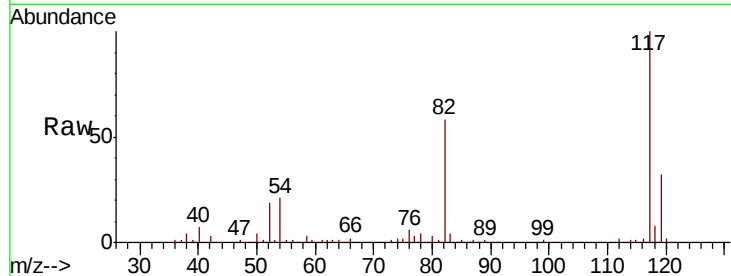




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

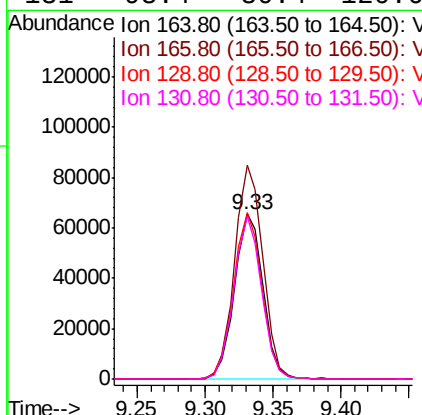
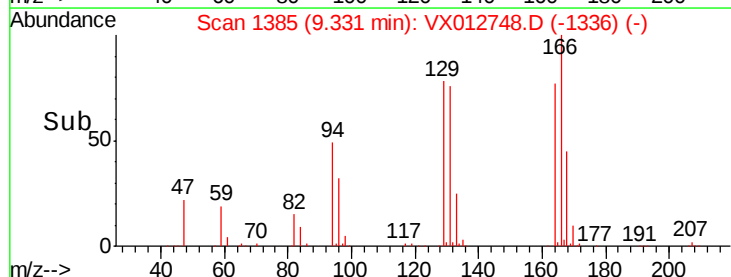
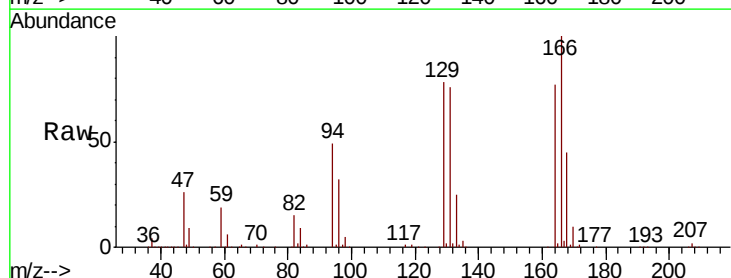
Instrument :
MSVOA_X
ClientSampled :

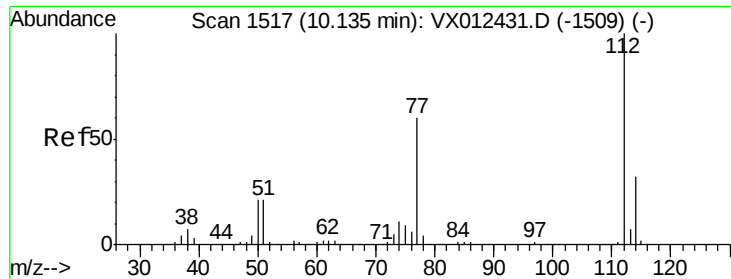
Tot Ion:117 Resp: 269820
Ion Ratio Lower Upper
117 100
82 58.3 45.9 68.9
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 50.798 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion:164 Resp: 95563
Ion Ratio Lower Upper
164 100
166 129.6 107.8 161.6
129 101.1 86.2 129.2
131 98.4 80.4 120.6

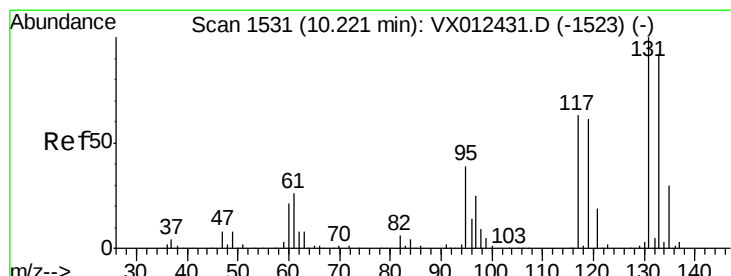
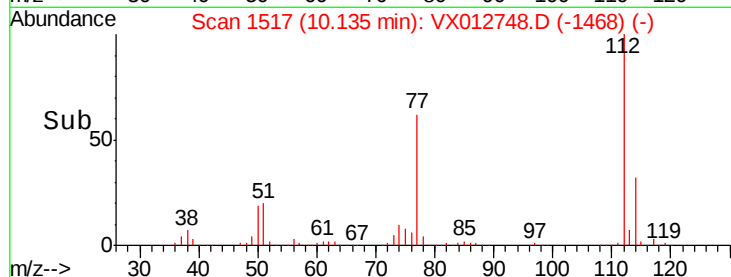
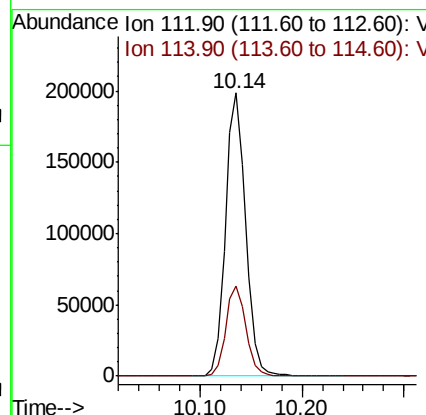
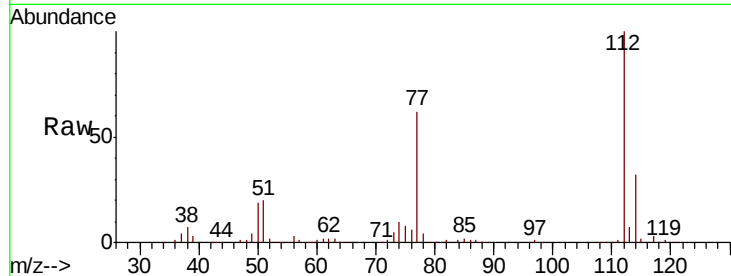




#65
Chlorobenzene
Concen: 47.996 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

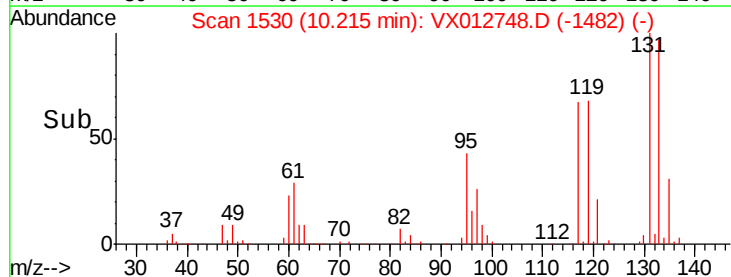
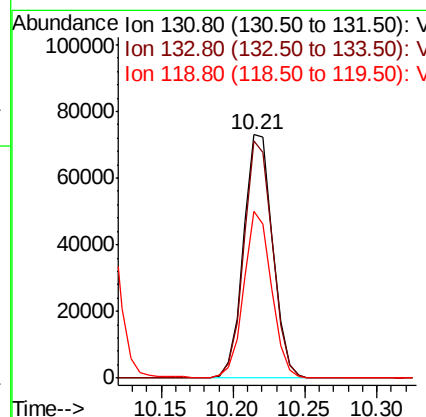
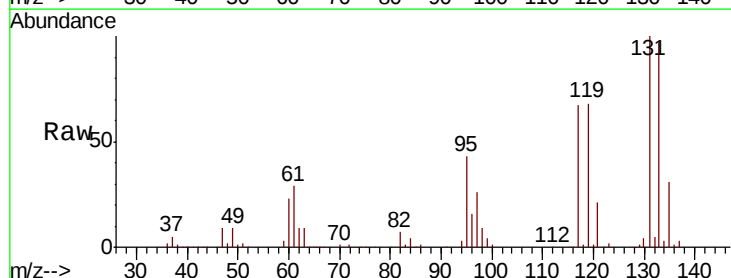
Instrument :
MSVOA_X
ClientSampled :

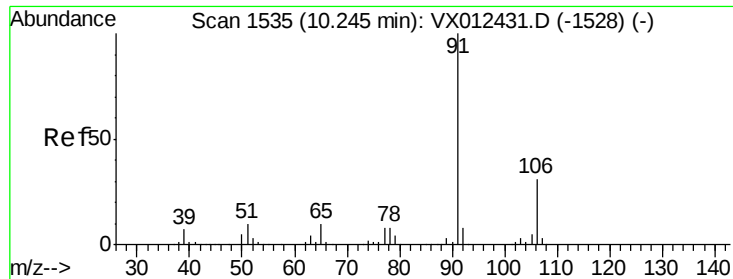
Tot Ion:112 Resp: 272704
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.795 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion:131 Resp: 102511
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 64.9 31.3 93.8

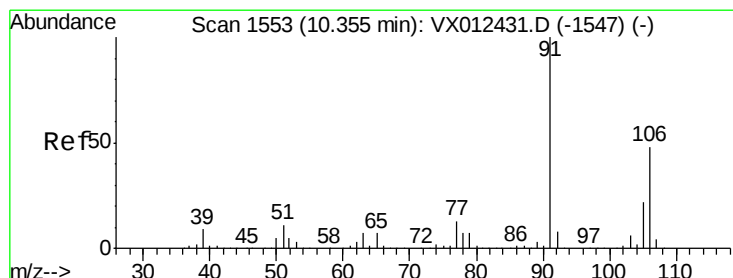
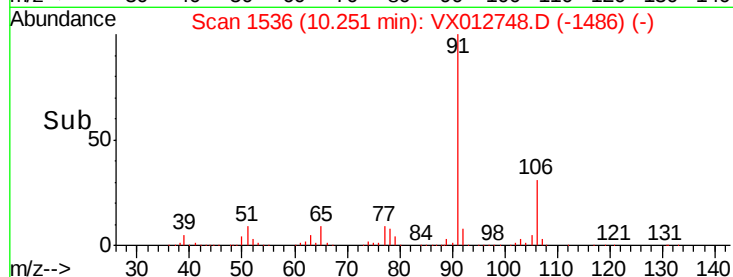
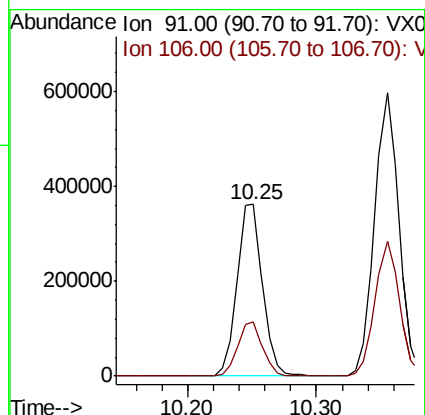
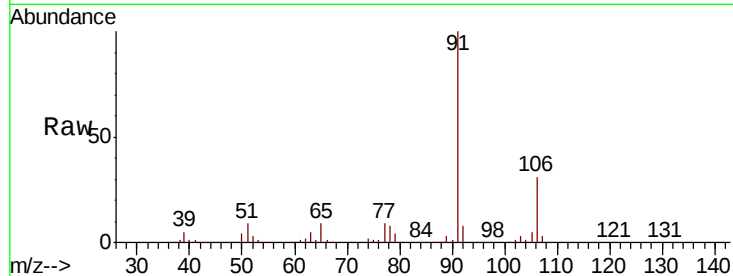




#67
Ethyl Benzene
Concen: 48.507 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

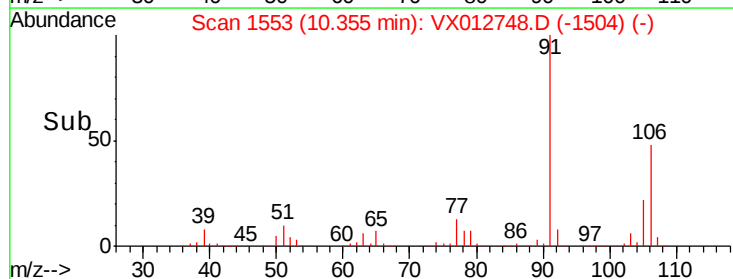
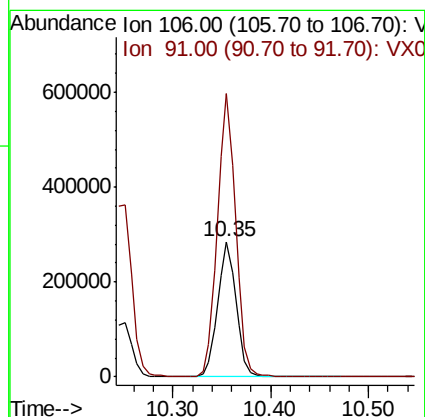
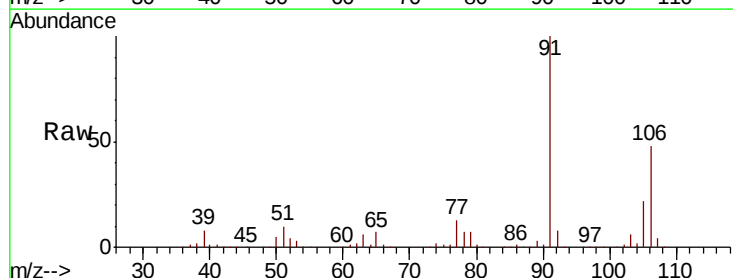
Instrument :
MSVOA_X
ClientSampleId :

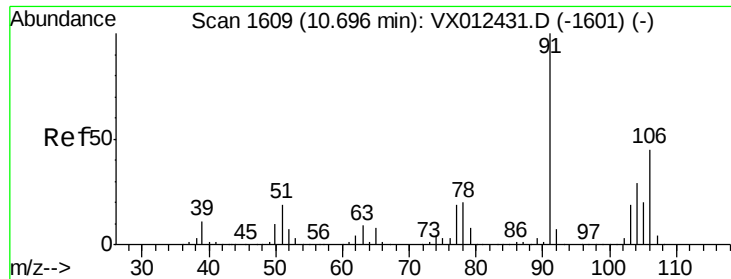
Tot Ion: 91 Resp: 499884
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0



#68
m/p-Xylenes
Concen: 96.698 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion: 106 Resp: 373293
Ion Ratio Lower Upper
106 100
91 207.9 166.6 250.0

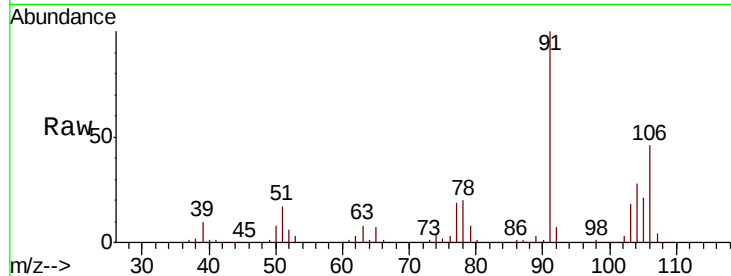




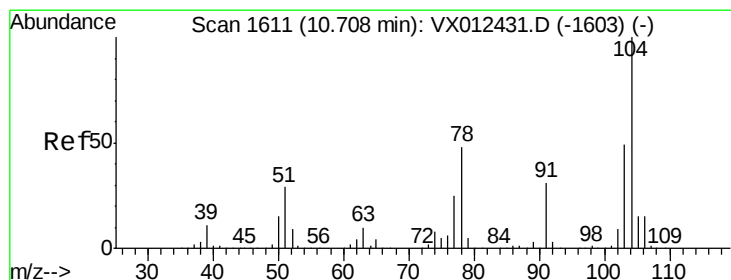
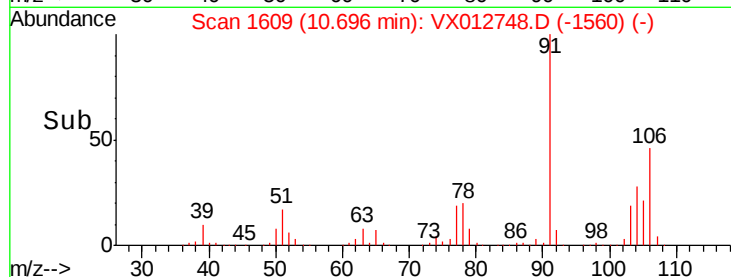
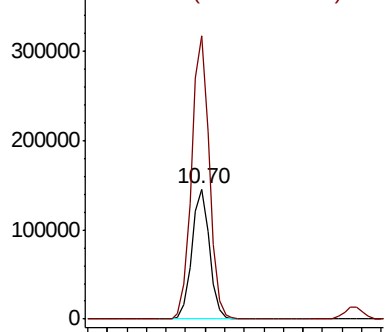
#69
o-Xylene
Concen: 48.804 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 182302
Ion Ratio Lower Upper
106 100
91 218.3 109.4 328.2

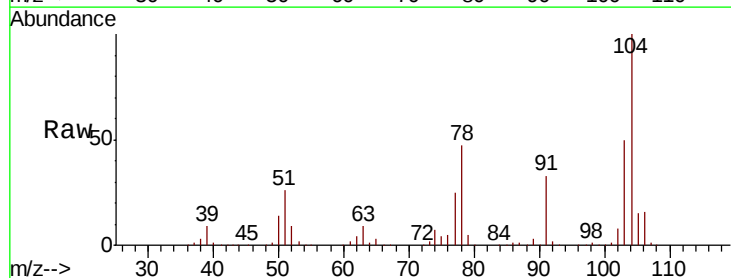


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

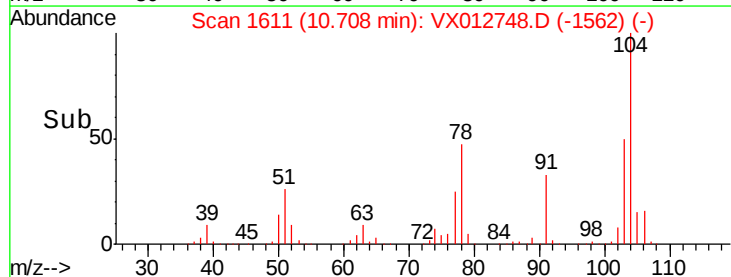
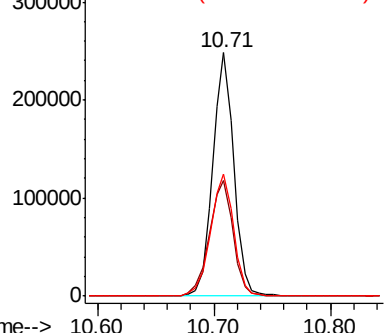


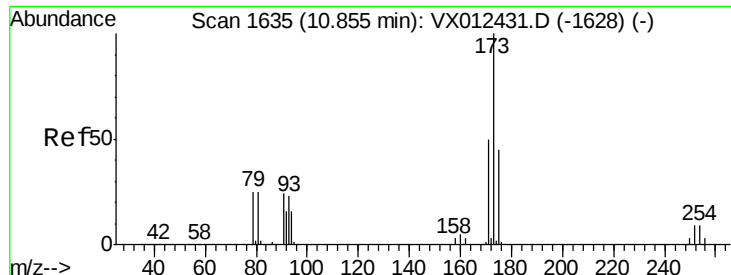
#70
Styrene
Concen: 49.972 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion:104 Resp: 312934
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.2
103 55.0 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.416 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

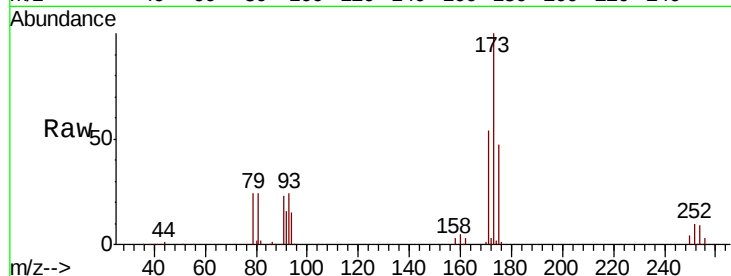
Tot Ion:173 Resp: 72269

Ion Ratio Lower Upper

173 100

175 49.3 23.7 71.1

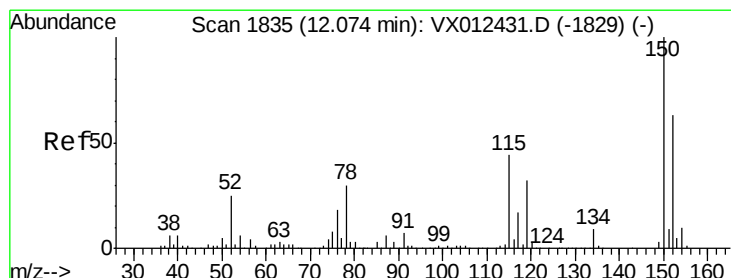
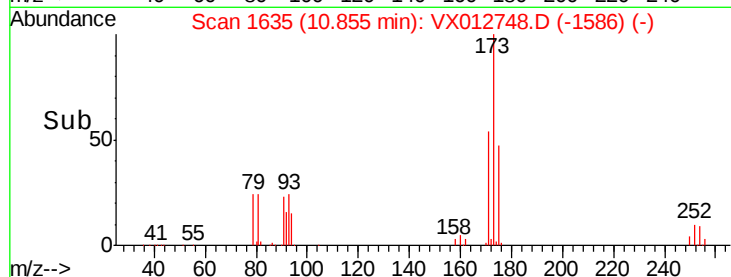
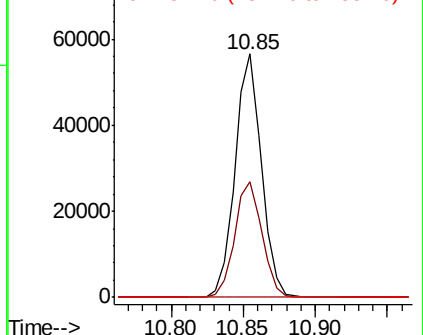
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

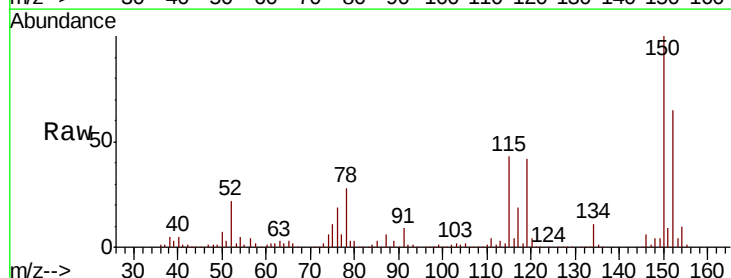
Tgt Ion:152 Resp: 127643

Ion Ratio Lower Upper

152 100

115 86.9 44.1 132.3

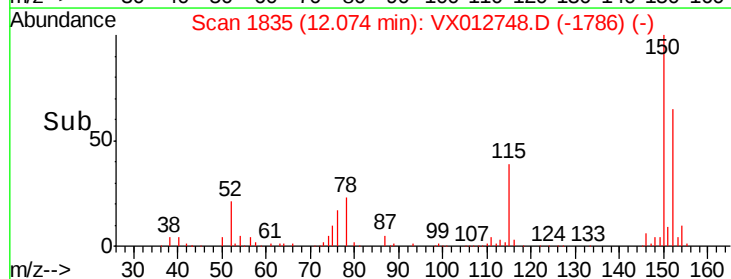
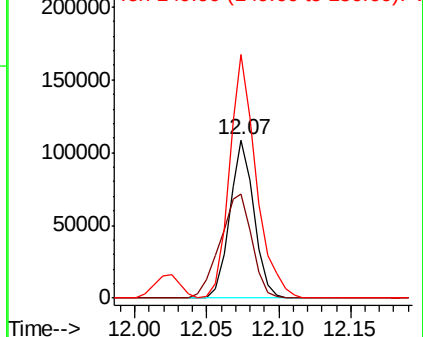
150 169.9 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.563 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

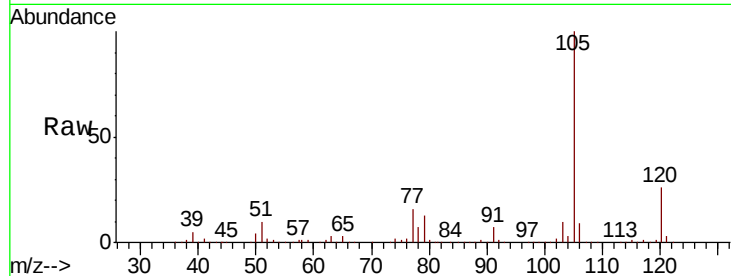
ClientSampleId :

Tot Ion:105 Resp: 484078

Ion Ratio Lower Upper

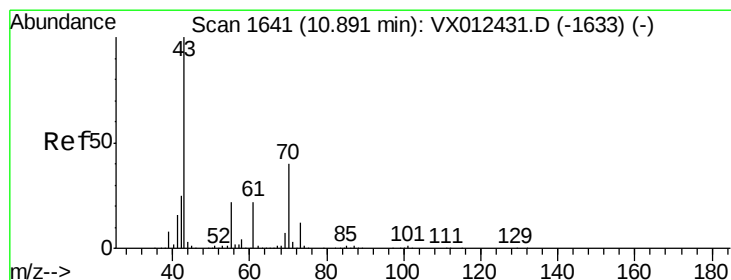
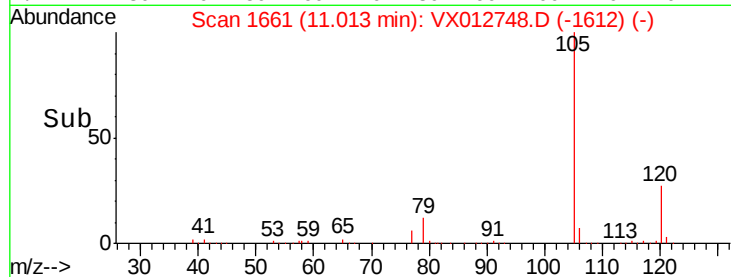
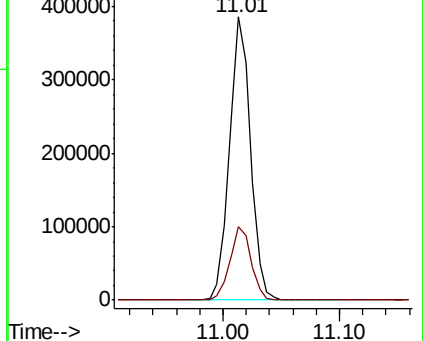
105 100

120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.810 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Tgt Ion: 43 Resp: 227201

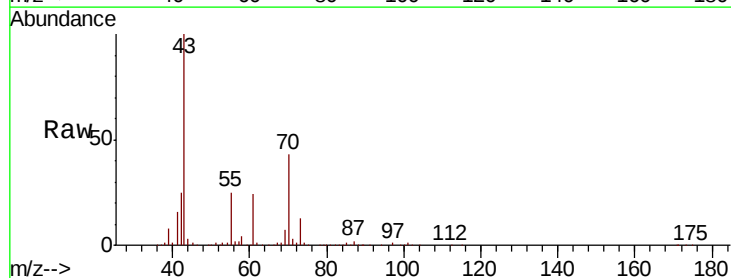
Ion Ratio Lower Upper

43 100

70 43.5 32.4 48.6

55 24.5 18.2 27.4

61 24.6 18.5 27.7

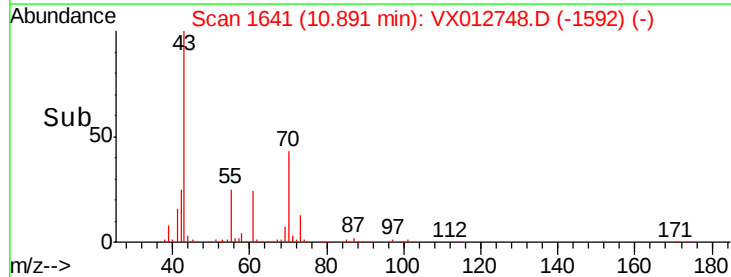
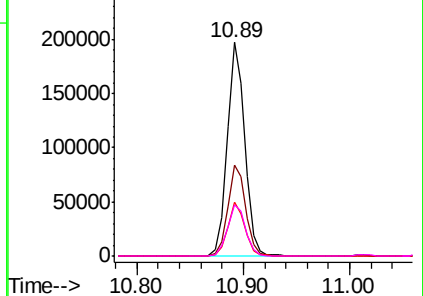


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.677 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

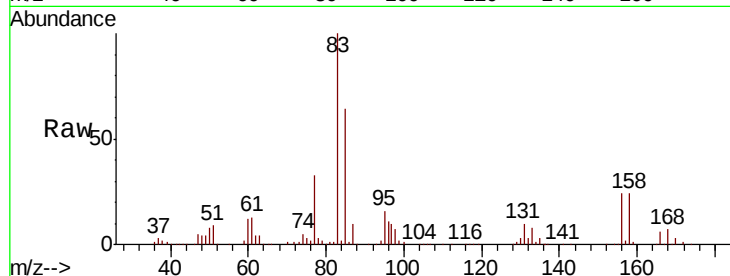
Tot Ion: 83 Resp: 164153

Ion Ratio Lower Upper

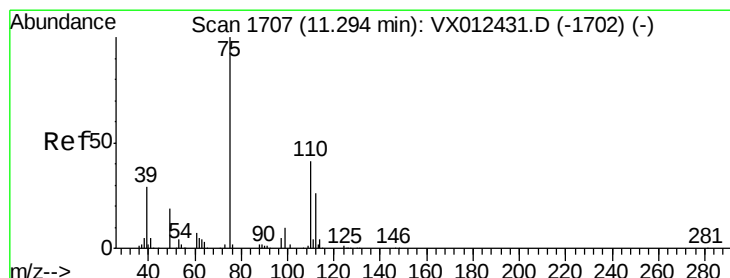
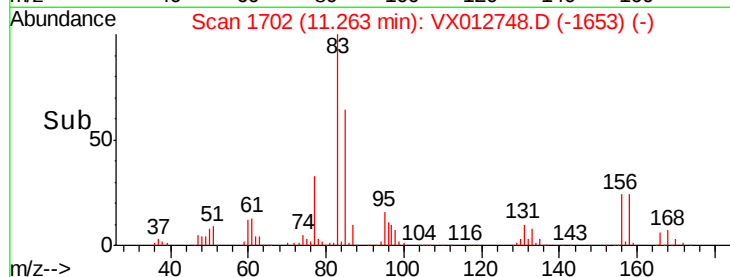
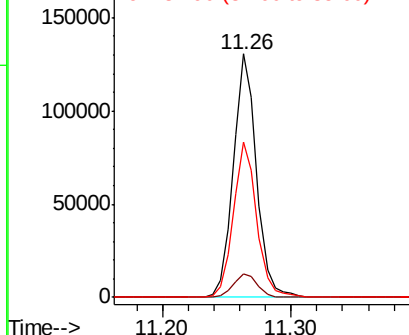
83 100

131 10.1 5.2 15.6

85 64.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.736 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012748.D

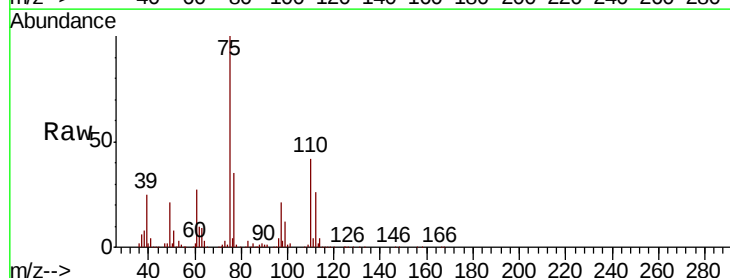
Acq: 01 Oct 2019 21:05

Tgt Ion: 75 Resp: 188190

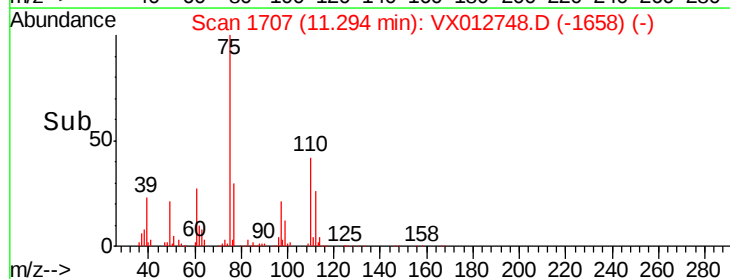
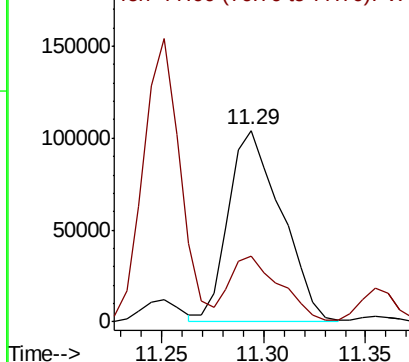
Ion Ratio Lower Upper

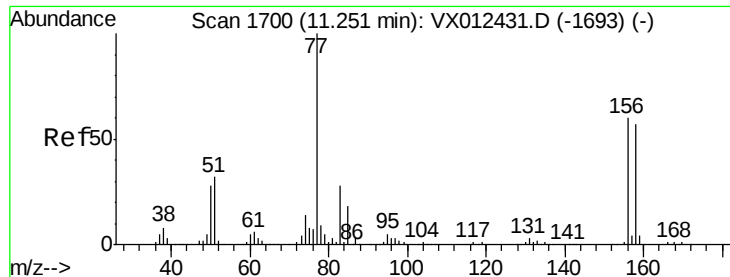
75 100

77 32.5 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.983 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

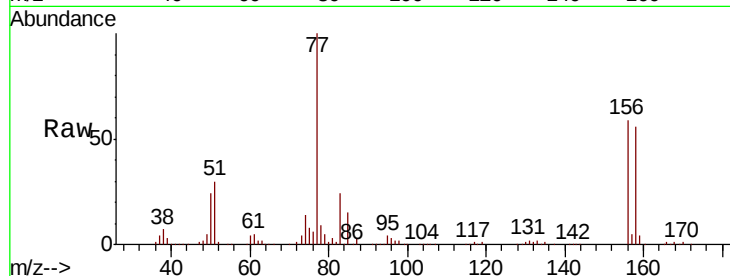
Tot Ion:156 Resp: 112900

Ion Ratio Lower Upper

156 100

77 171.5 87.3 261.8

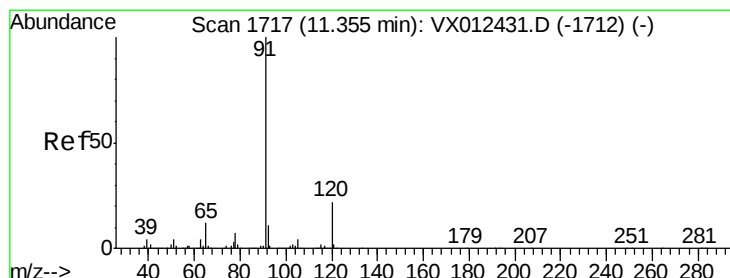
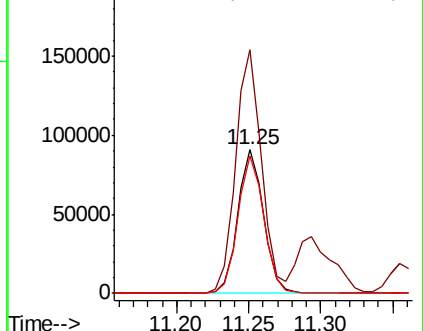
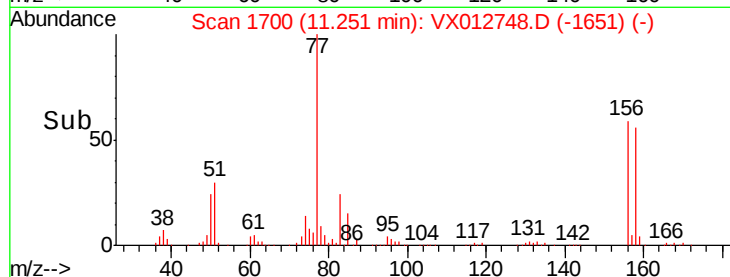
158 96.0 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.800 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012748.D

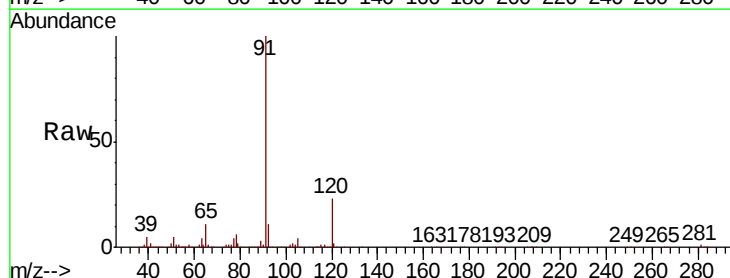
Acq: 01 Oct 2019 21:05

Tgt Ion: 91 Resp: 536047

Ion Ratio Lower Upper

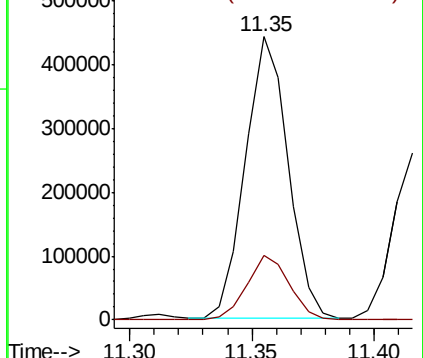
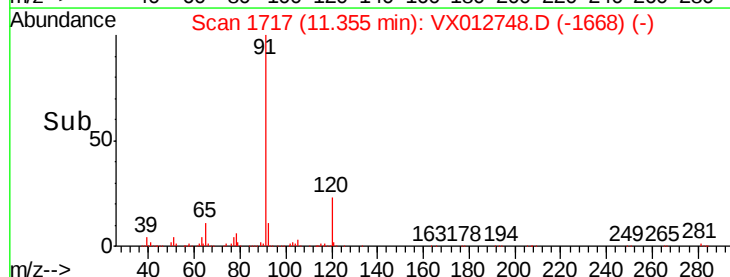
91 100

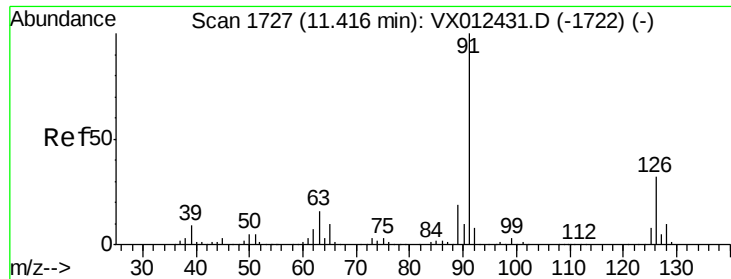
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

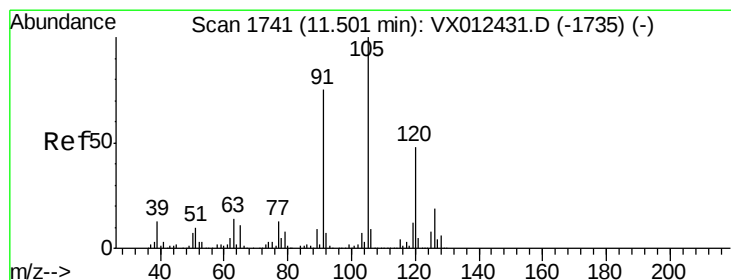
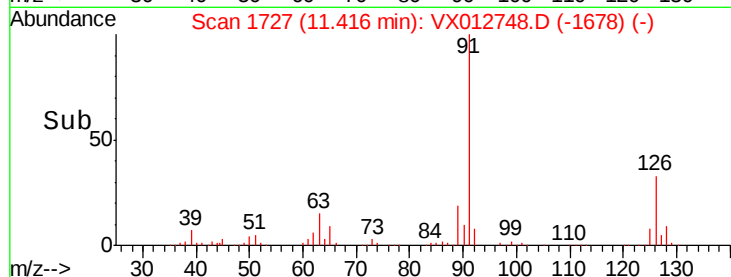
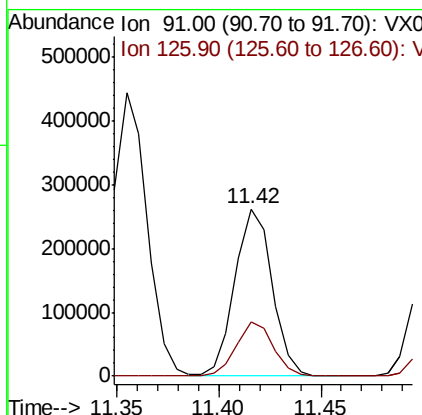
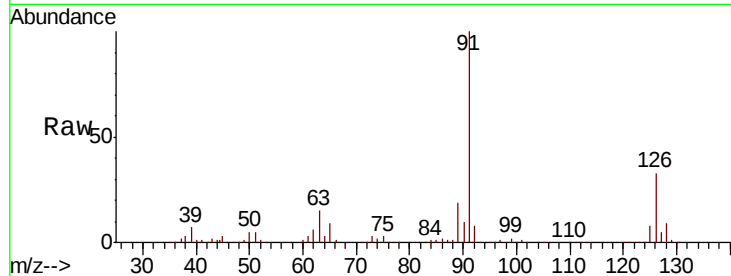




#79
 2-Chlorotoluene
 Concen: 45.395 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

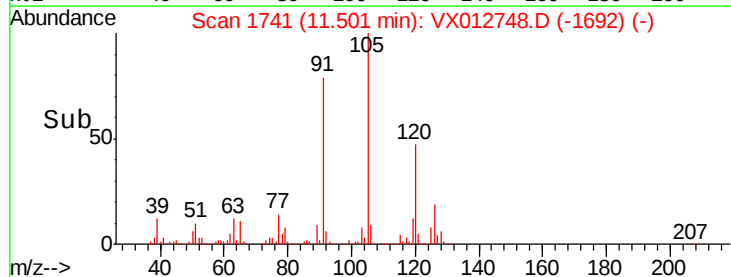
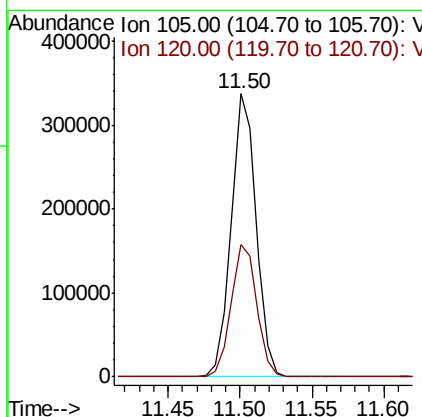
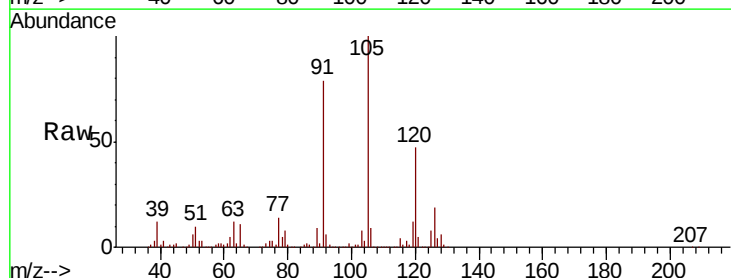
Instrument :
 MSVOA_X
 ClientSampled :

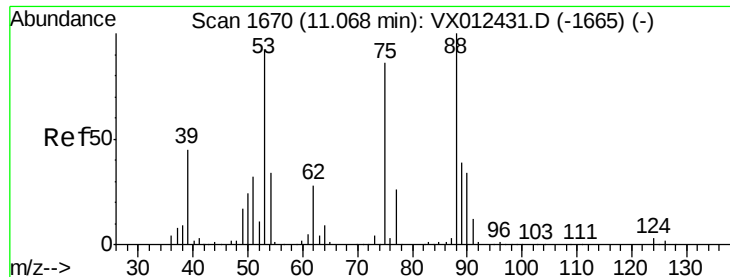
Tot Ion: 91 Resp: 331442
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 47.107 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion: 105 Resp: 410679
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.912 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

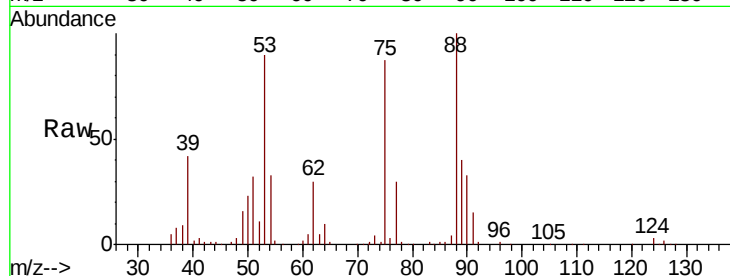
Tot Ion: 75 Resp: 50559

Ion Ratio Lower Upper

75 100

53 100.1 83.6 125.4

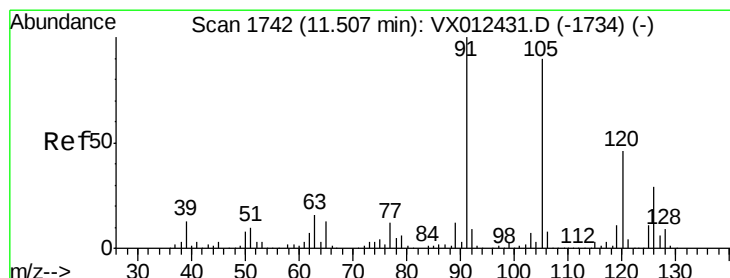
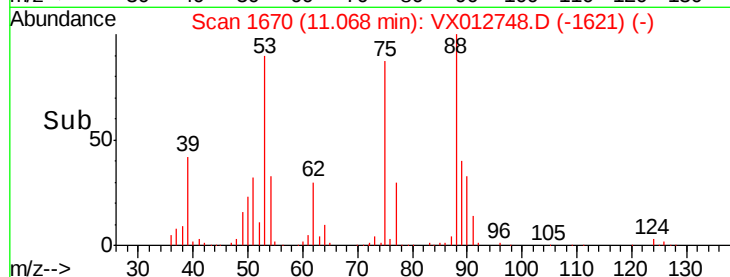
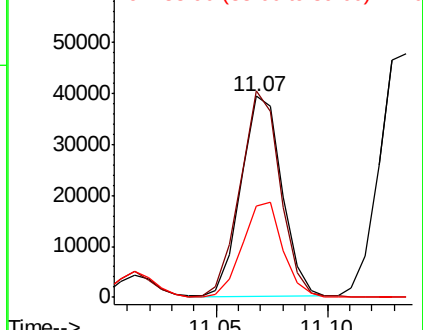
89 46.9 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.642 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012748.D

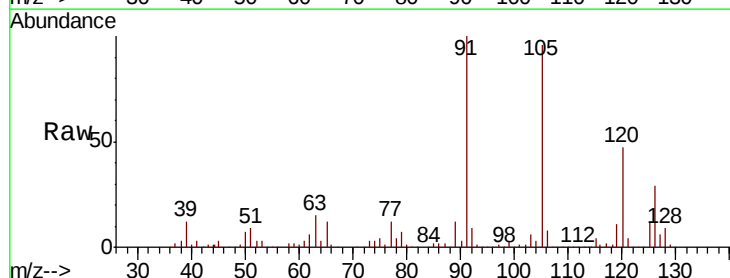
Acq: 01 Oct 2019 21:05

Tgt Ion: 91 Resp: 388211

Ion Ratio Lower Upper

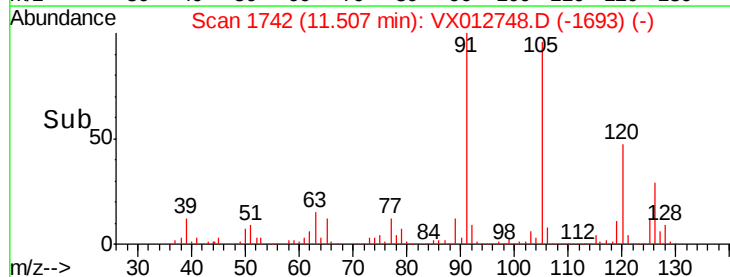
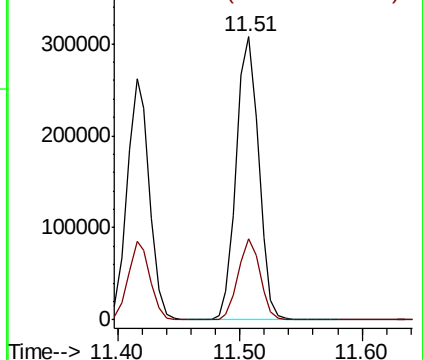
91 100

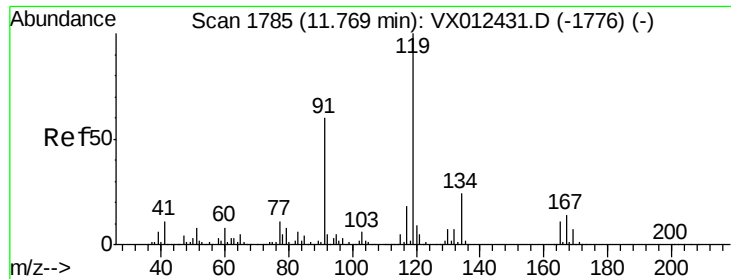
126 27.9 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

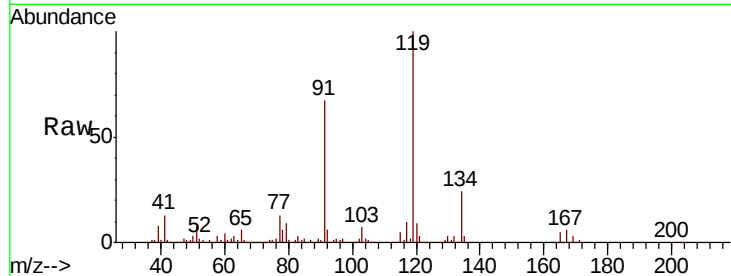




#83
tert-Butylbenzene
Concen: 47.050 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.0	90.0
134	23.2	11.3	33.9

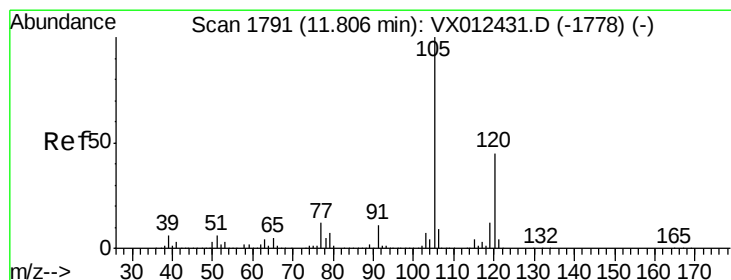
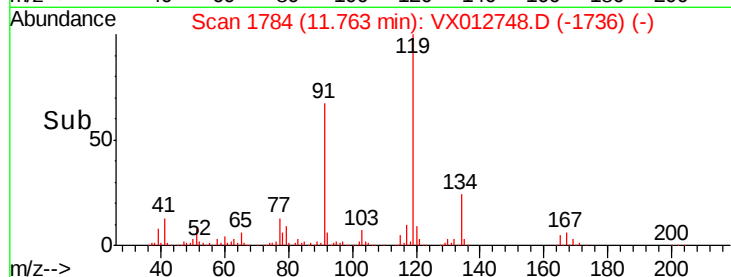
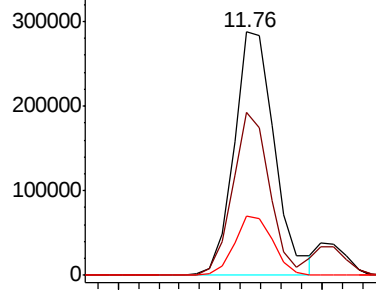


Abundance

Ion 119.00 (118.70 to 119.70): V

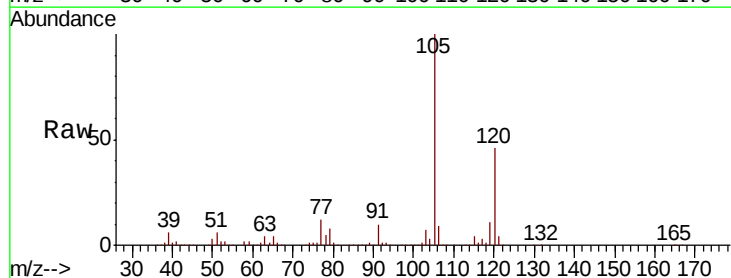
Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 48.125 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

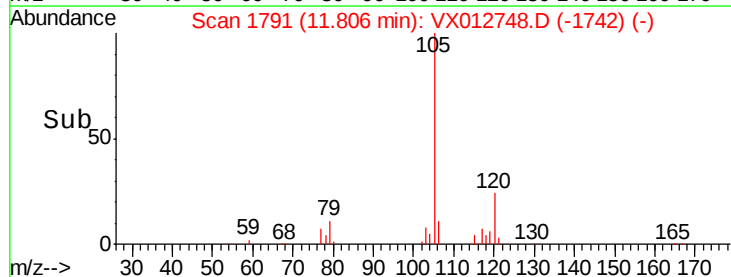
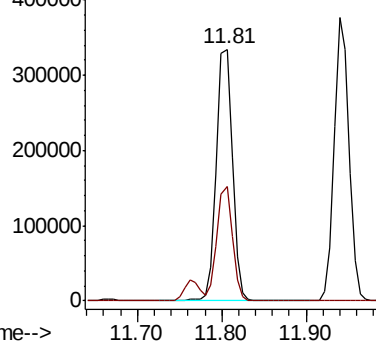
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.2	66.6

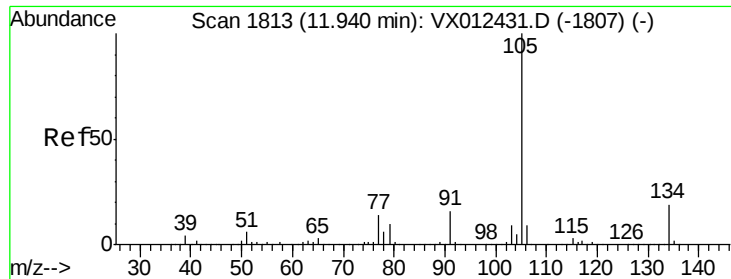


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

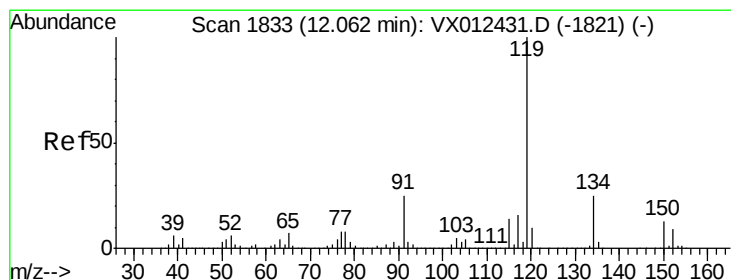
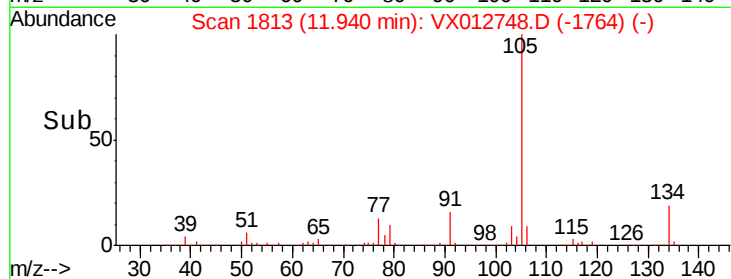
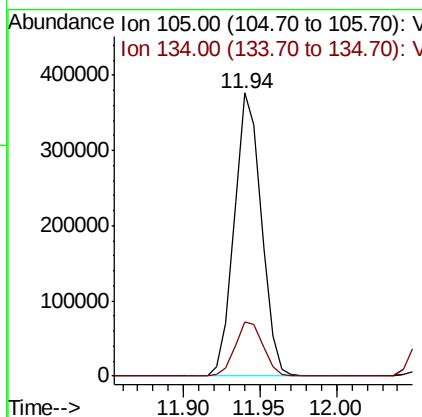
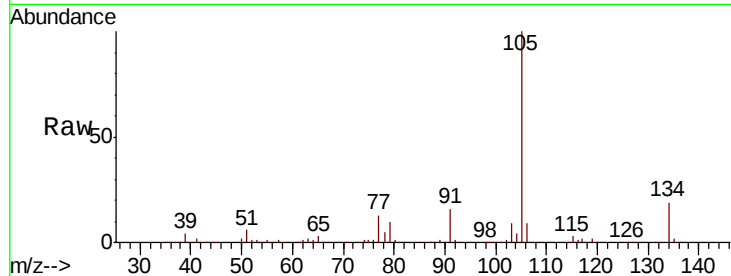




#85
 sec-Butylbenzene
 Concen: 47.122 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

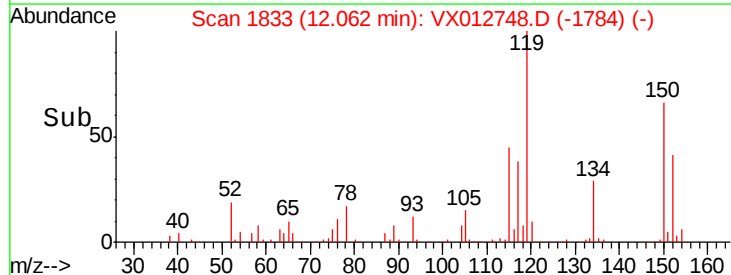
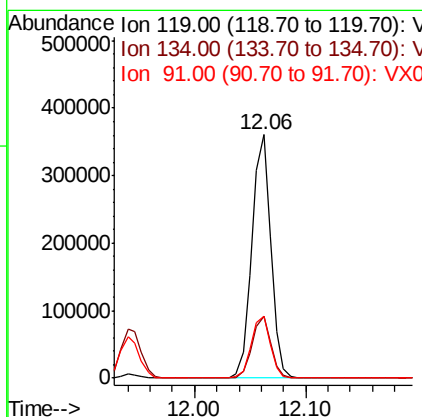
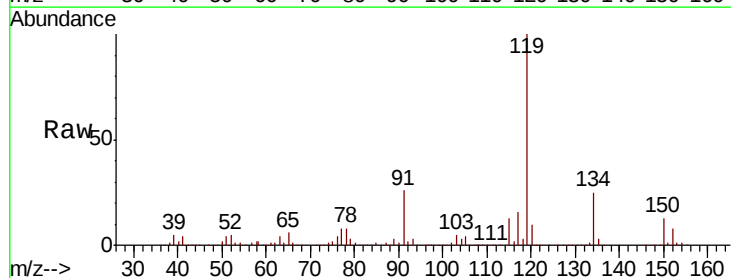
Instrument :
 MSVOA_X
 ClientSampleId :

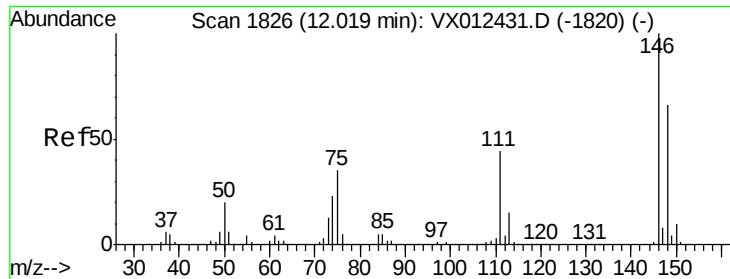
Tot Ion:105 Resp: 460921
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 48.239 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion:119 Resp: 425755
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 25.5 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 48.253 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

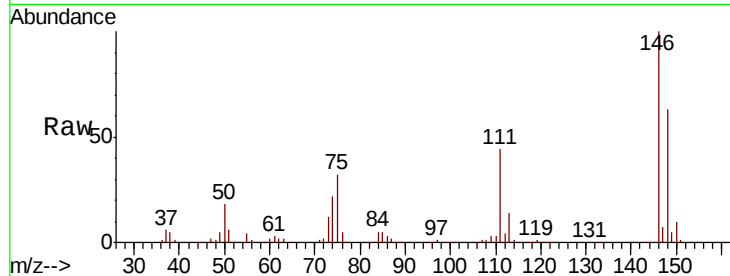
Tot Ion:146 Resp: 204319

Ion Ratio Lower Upper

146 100

111 43.4 21.3 64.0

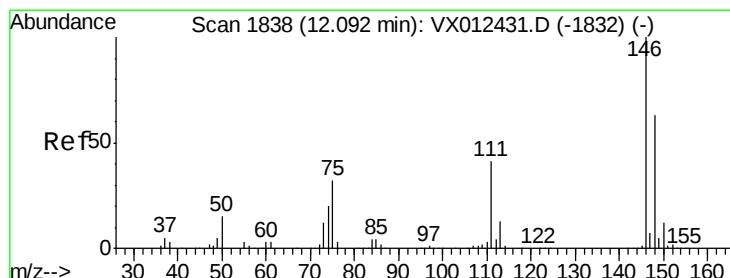
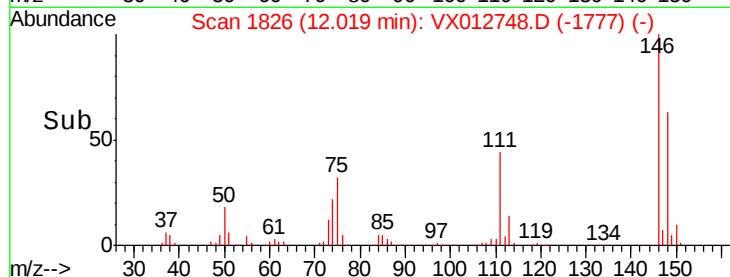
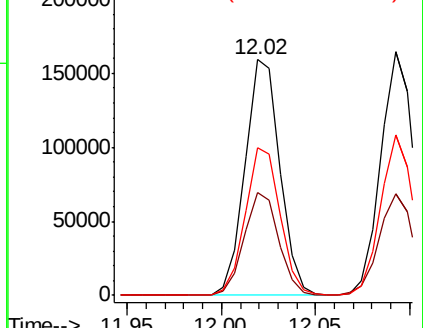
148 62.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.530 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

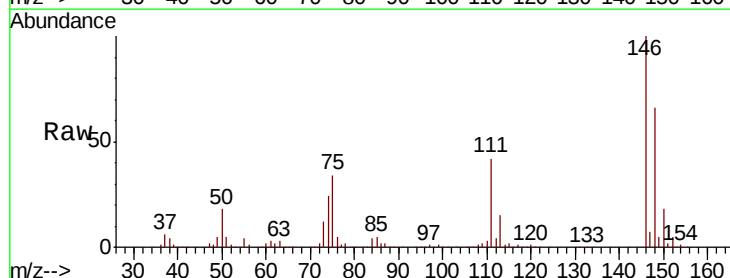
Tgt Ion:146 Resp: 203370

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.3

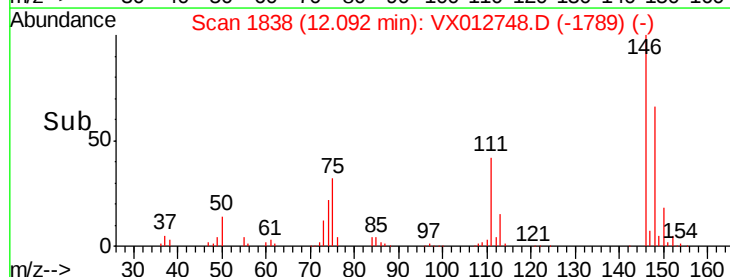
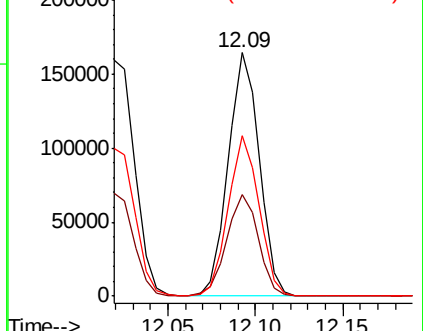
148 65.5 32.1 96.5

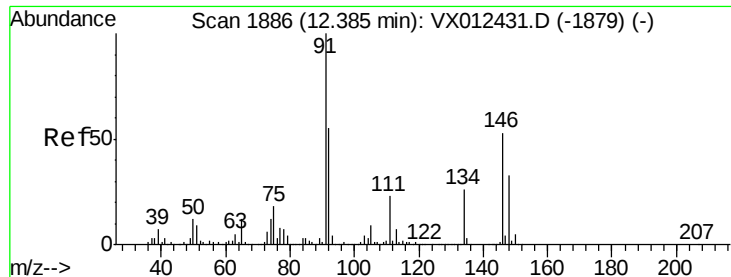


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.067 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampled :

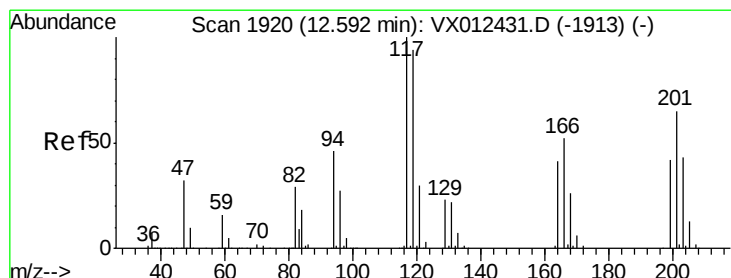
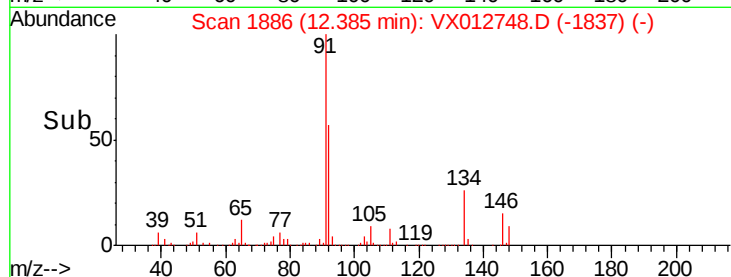
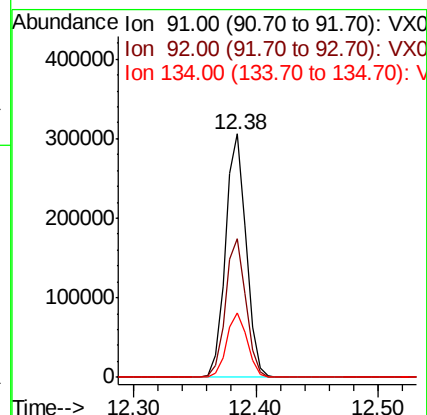
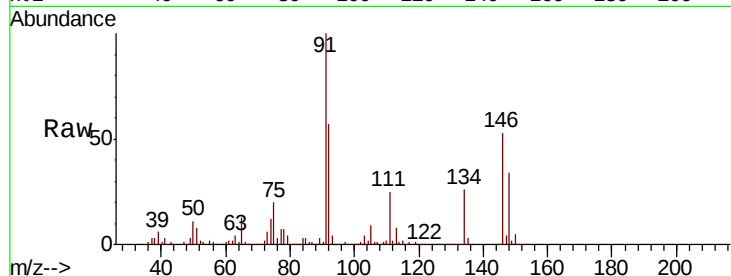
Tot Ion: 91 Resp: 358278

Ion Ratio Lower Upper

91 100

92 56.5 27.7 83.0

134 26.2 12.9 38.6



#90

Hexachloroethane

Concen: 47.935 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012748.D

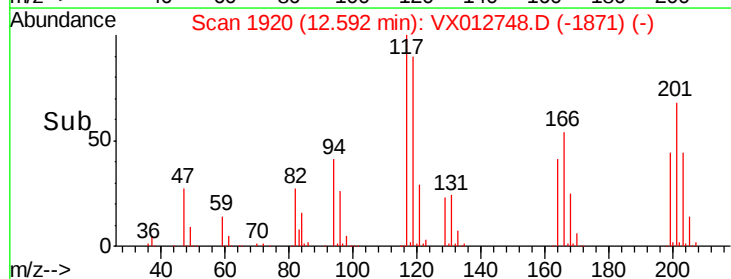
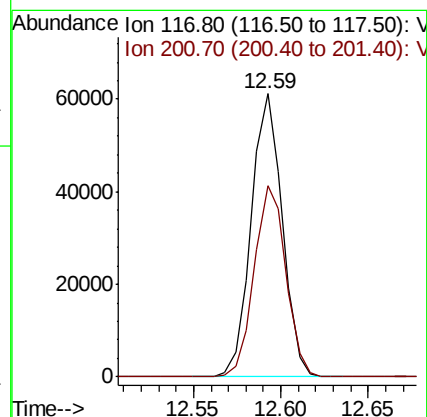
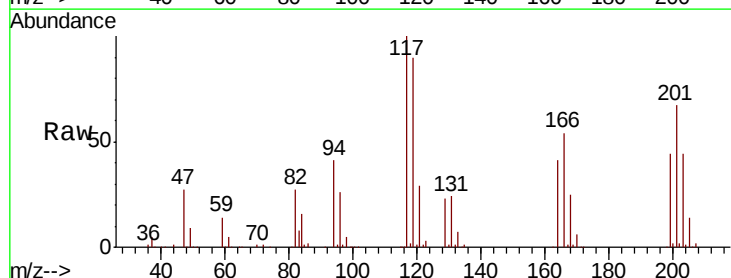
Acq: 01 Oct 2019 21:05

Tgt Ion: 117 Resp: 75425

Ion Ratio Lower Upper

117 100

201 68.9 33.3 99.8





#91

1,2-Dichlorobenzene

Concen: 48.169 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

Instrument :

MSVOA_X

ClientSampleId :

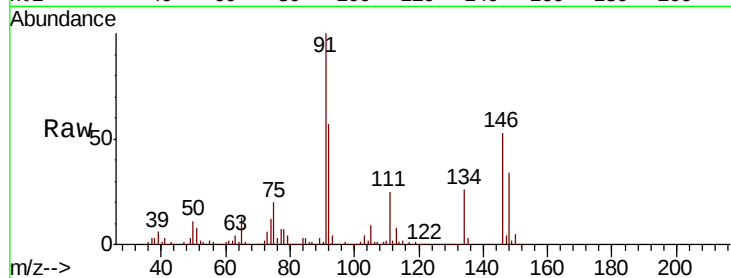
Tot Ion:146 Resp: 204198

Ion Ratio Lower Upper

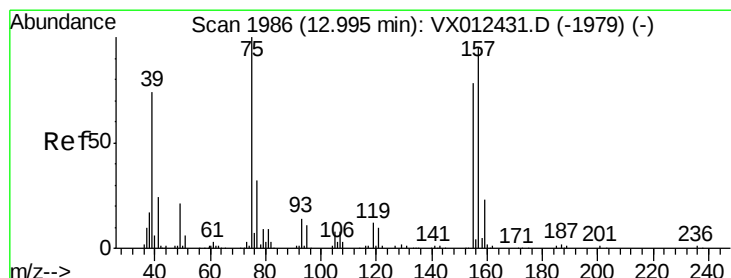
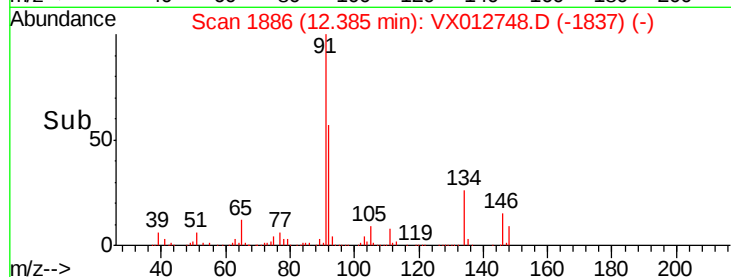
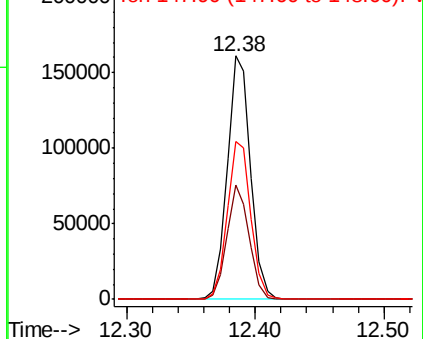
146 100

111 44.9 22.1 66.1

148 65.2 31.3 93.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.014 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012748.D

Acq: 01 Oct 2019 21:05

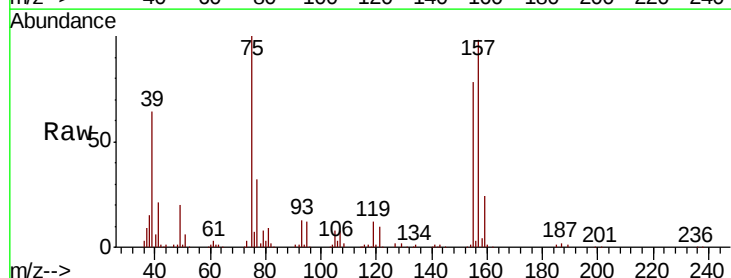
Tgt Ion: 75 Resp: 41353

Ion Ratio Lower Upper

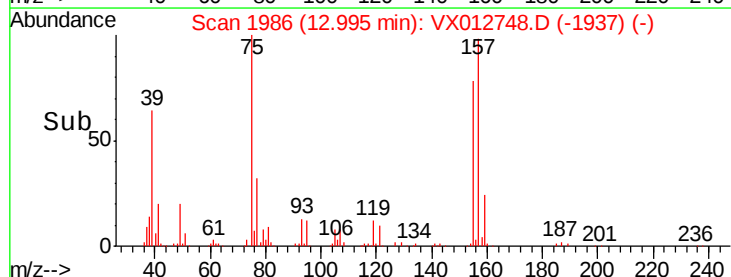
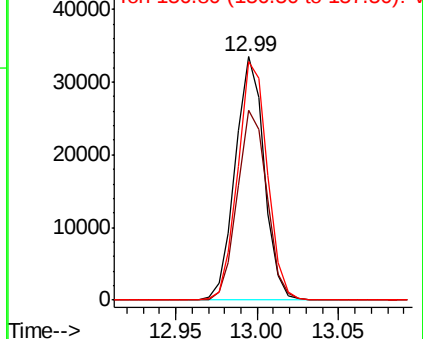
75 100

155 80.1 38.6 115.8

157 100.2 50.6 151.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

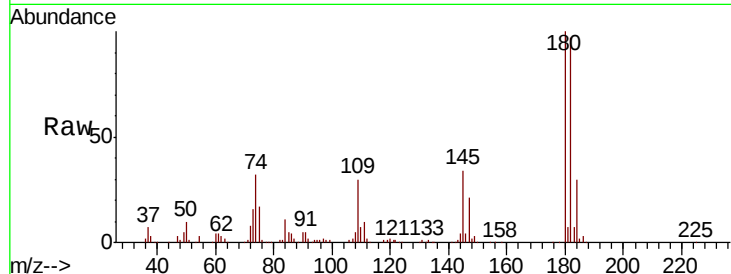




#93
 1,2,4-Trichlorobenzene
 Concen: 49.952 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	33.7	16.8	50.4

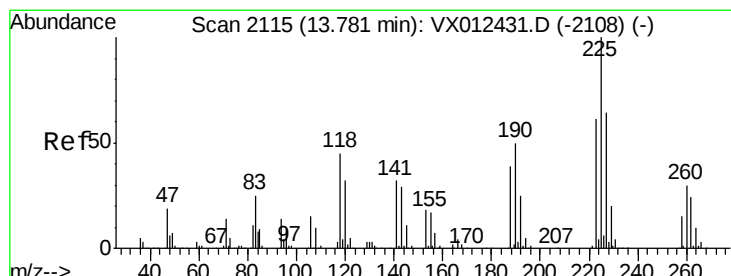
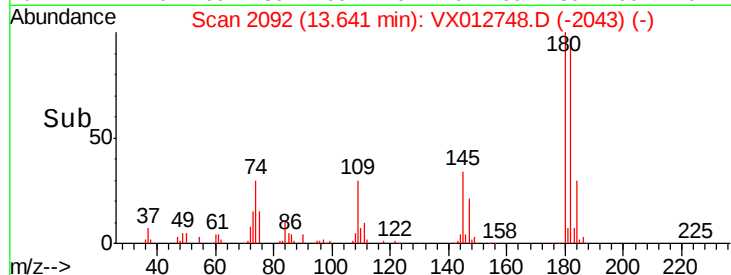
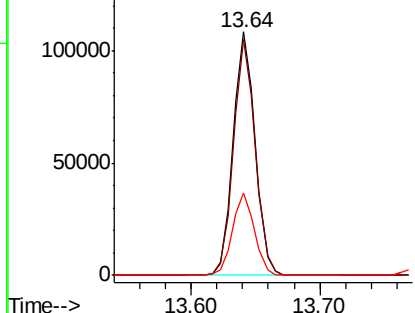


Abundance

Ion 179.80 (179.50 to 180.50): V

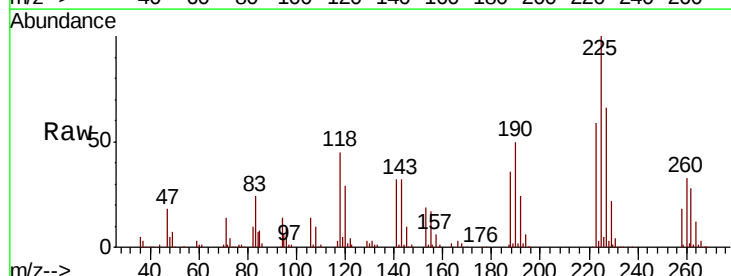
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.519 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012748.D
 Acq: 01 Oct 2019 21:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.0	96.2
227	64.7	31.9	95.5

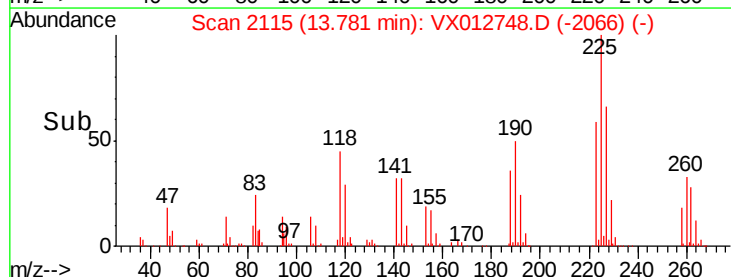
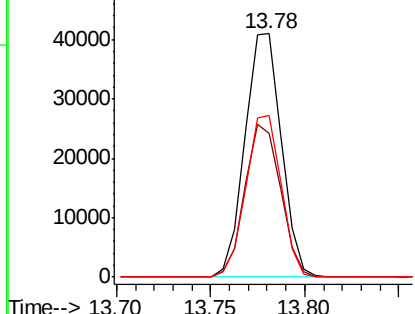


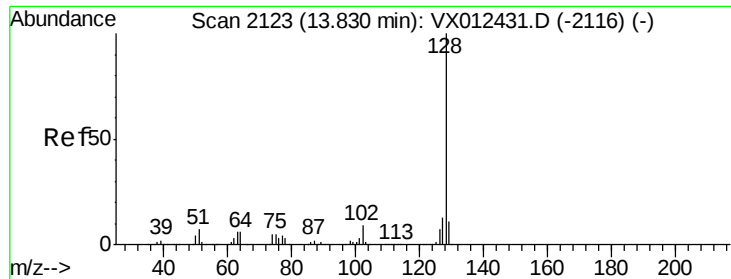
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

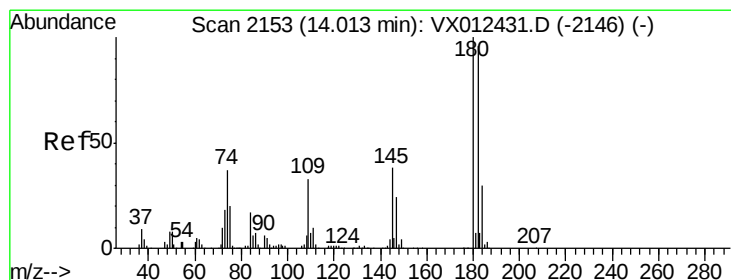
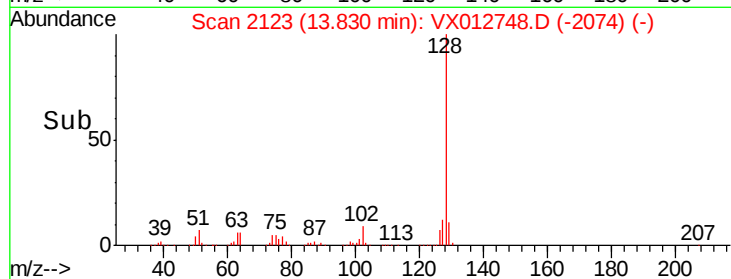
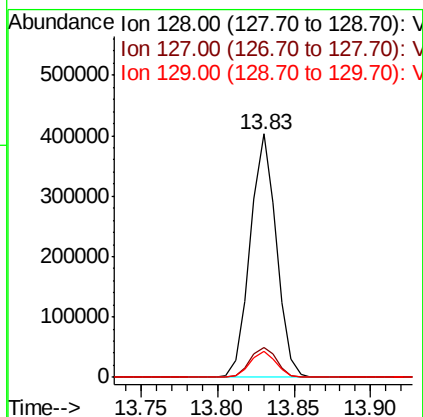
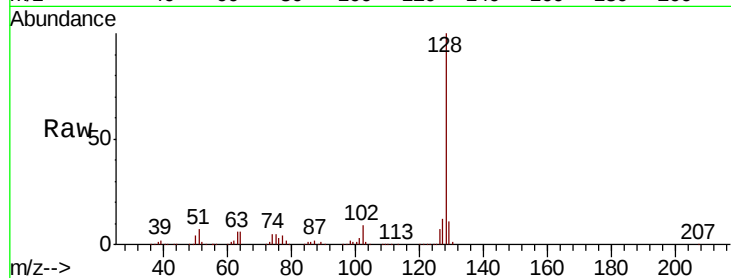




#95
Naphthalene
Concen: 51.126 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 478213
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.500 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012748.D
Acq: 01 Oct 2019 21:05

Tgt Ion:180 Resp: 130783
Ion Ratio Lower Upper
180 100
182 97.4 47.1 141.3
145 36.0 18.0 54.0

