

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006386.D
 Acq On : 10 Dec 2018 22:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:24 AM

Quant Time: Dec 11 05:37:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	580903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	902881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	824432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	425290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	306878	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	5.50	113	290100	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1049579	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	402780	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	284558	50.029	ug/l	100
3) Chloromethane	1.33	50	266357	45.570	ug/l	98
4) Vinyl Chloride	1.41	62	298199	47.403	ug/l	99
5) Bromomethane	1.64	94	249991	57.341	ug/l	98
6) Chloroethane	1.71	64	187047	48.494	ug/l	100
7) Trichlorofluoromethane	1.93	101	474409	49.129	ug/l	97
8) Diethyl Ether	2.19	74	179329	49.069	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	273082	49.734	ug/l	99
10) Methyl Iodide	2.51	142	418764	50.606	ug/l	98
11) Tert butyl alcohol	3.07	59	373182	230.111	ug/l	99
12) 1,1-Dichloroethene	2.37	96	252666	48.069	ug/l	95
13) Acrolein	2.29	56	201526	227.357	ug/l	99
14) Allyl chloride	2.73	41	455631	43.881	ug/l	99
15) Acrylonitrile	3.15	53	816911	241.390	ug/l	100
16) Acetone	2.45	43	665789	239.239	ug/l	99
17) Carbon Disulfide	2.57	76	664897	41.050	ug/l	99
18) Methyl Acetate	2.78	43	465848	50.055	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	922592	49.201	ug/l	98
20) Methylene Chloride	2.86	84	288525	48.714	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	270173	48.232	ug/l	93
22) Diisopropyl ether	3.87	45	831304	51.257	ug/l	98
23) Vinyl Acetate	3.82	43	3394550	245.395	ug/l	100
24) 1,1-Dichloroethane	3.70	63	470427	50.747	ug/l	99
25) 2-Butanone	4.70	43	999698	251.758	ug/l	97
26) 2,2-Dichloropropane	4.59	77	372833	43.580	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	326864	52.313	ug/l	97
28) Bromochloromethane	5.02	49	213080	52.624	ug/l	99
29) Tetrahydrofuran	5.15	42	670296	242.883	ug/l	97
30) Chloroform	5.21	83	510971	52.452	ug/l	99
31) Cyclohexane	5.57	56	404961	47.270	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	463442	50.000	ug/l	99
36) 1,1-Dichloropropene	5.80	75	354721	46.654	ug/l	99
37) Ethyl Acetate	4.85	43	389184	45.708	ug/l	99
38) Carbon Tetrachloride	5.79	117	419132	46.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	460368	46.647	ug/l	99
40) Benzene	6.14	78	1115736	48.996	ug/l	99
41) Methacrylonitrile	5.06	41	216577	46.226	ug/l	97
42) 1,2-Dichloroethane	6.20	62	376506	50.518	ug/l	99
43) Isopropyl Acetate	6.46	43	643015	45.295	ug/l	99
44) Trichloroethene	7.21	130	332523	48.201	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282485	48.808	ug/l	95
46) Dibromomethane	7.66	93	204478	48.919	ug/l	97
47) Bromodichloromethane	7.90	83	385736	47.654	ug/l	98
48) Methyl methacrylate	7.77	41	320239	46.369	ug/l	96
49) 1,4-Dioxane	7.75	88	163345	959.633	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1967888	238.120	ug/l	99
52) Toluene	8.79	92	733407	48.953	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	426452	45.048	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	452269	46.009	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	313421	51.495	ug/l	98
56) Ethyl methacrylate	9.18	69	463587	48.721	ug/l	97
57) 1,3-Dichloropropane	9.37	76	483489	50.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1157894	239.808	ug/l	99
59) 2-Hexanone	9.49	43	1472079	233.148	ug/l	98
60) Dibromochloromethane	9.59	129	358472	47.763	ug/l	99
61) 1,2-Dibromoethane	9.67	107	337687	49.619	ug/l	99
64) Tetrachloroethene	9.34	164	296768	47.799	ug/l	98
65) Chlorobenzene	10.14	112	875444	50.023	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	329266	48.424	ug/l	99
67) Ethyl Benzene	10.25	91	1422039	48.855	ug/l	100
68) m/p-Xylenes	10.36	106	1138366	97.633	ug/l	100
69) o-Xylene	10.70	106	567179	49.247	ug/l	99
70) Styrene	10.71	104	918976	49.336	ug/l	99
71) Bromoform	10.86	173	278431	43.377	ug/l #	100
73) Isopropylbenzene	11.02	105	1491385	50.779	ug/l	100
74) N-amyl acetate	10.90	43	573385	45.336	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	469354	49.952	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	432066m	52.635	ug/l	
77) Bromobenzene	11.26	156	412734	50.638	ug/l	99
78) n-propylbenzene	11.36	91	1647948	50.477	ug/l	99
79) 2-Chlorotoluene	11.42	91	981172	50.564	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1227672	50.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	146199	41.795	ug/l	91
82) 4-Chlorotoluene	11.51	91	1129082	50.046	ug/l	100
83) tert-Butylbenzene	11.77	119	1303962	50.012	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1263931	50.090	ug/l	99
85) sec-Butylbenzene	11.94	105	1507333	50.818	ug/l	99
86) p-Isopropyltoluene	12.07	119	1353600	50.679	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	725800	50.045	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	721905	49.042	ug/l	99
89) n-Butylbenzene	12.39	91	1135832	49.840	ug/l	99
90) Hexachloroethane	12.60	117	250623	46.040	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	718169	49.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	108692	45.126	ug/l	95

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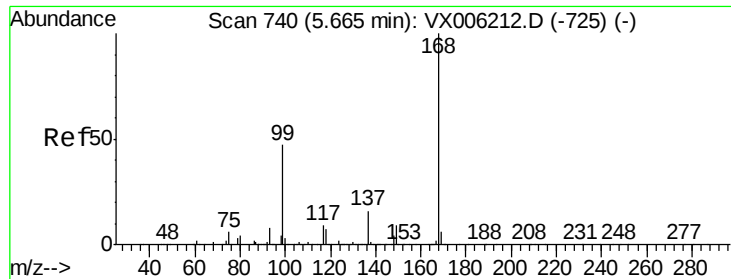
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	509234	48.493	ug/l	99
94) Hexachlorobutadiene	13.78	225	232886	50.147	ug/l	99
95) Naphthalene	13.83	128	1633462	50.006	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	516957	49.702	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 580903

Ion Ratio Lower Upper

168 100

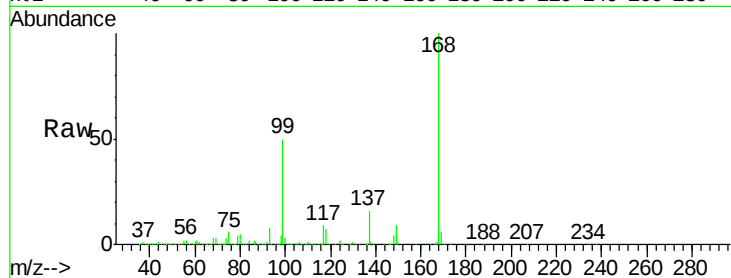
99 50.2 37.8 56.8

Manual Integrations

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12/11/2018 10:54:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

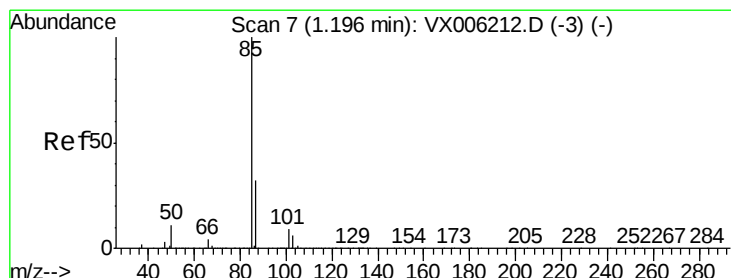
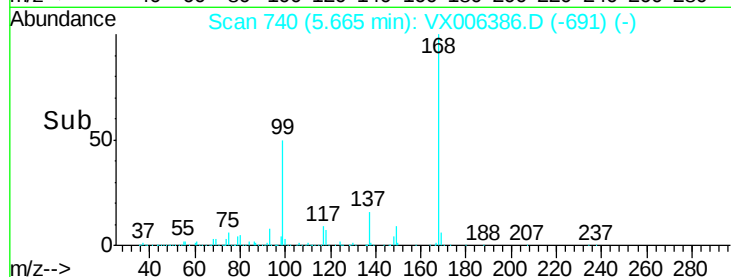
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.029 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006386.D

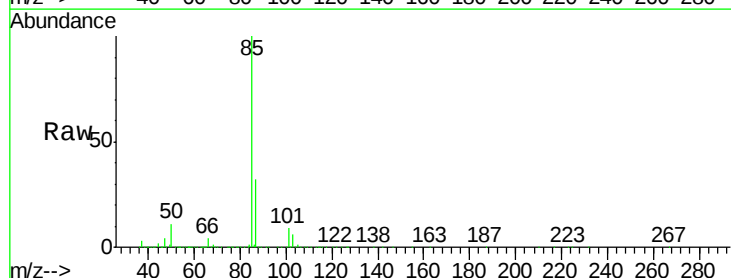
Acq: 10 Dec 2018 22:52

Tgt Ion: 85 Resp: 284558

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

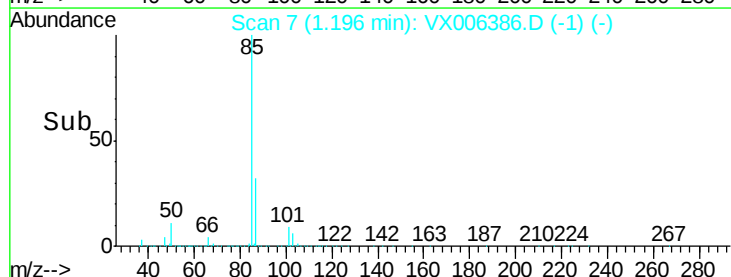
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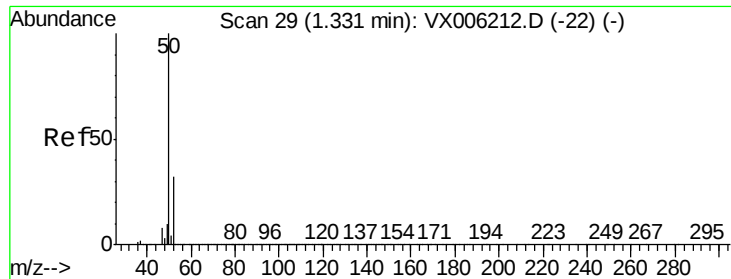
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.570 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 266357

Ion Ratio Lower Upper

50 100

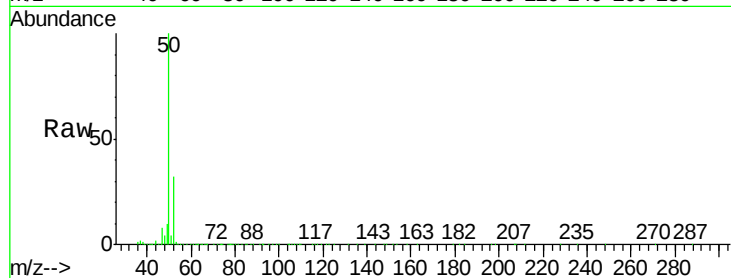
52 32.4 25.2 37.8

Manual Integrations

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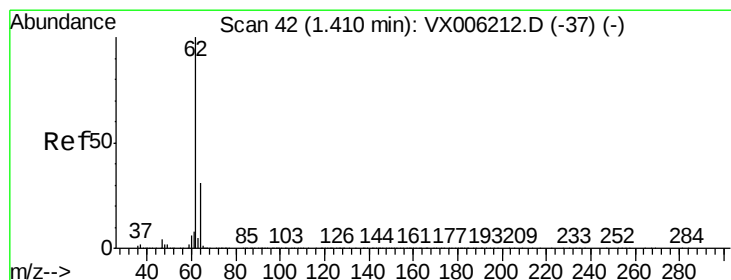
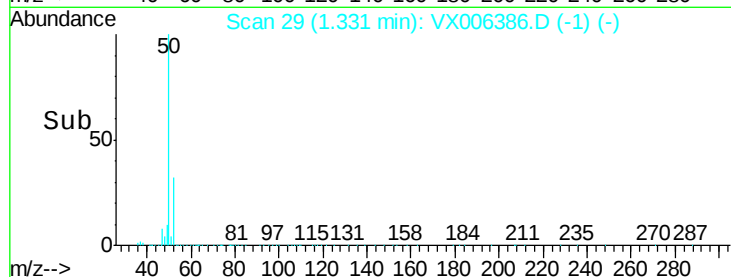
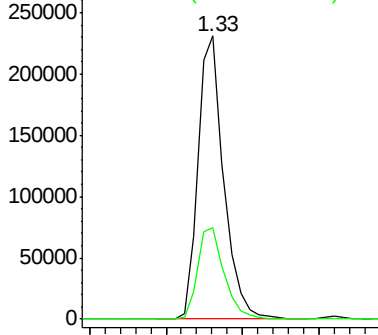
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.403 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006386.D

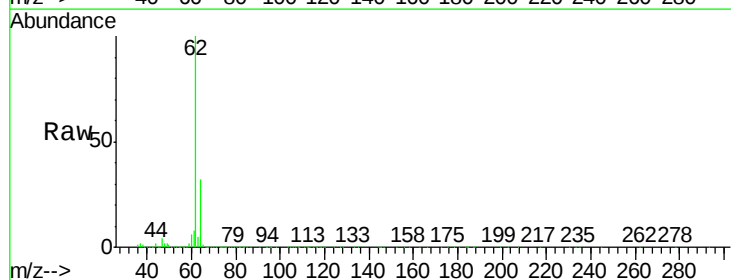
Acq: 10 Dec 2018 22:52

Tgt Ion: 62 Resp: 298199

Ion Ratio Lower Upper

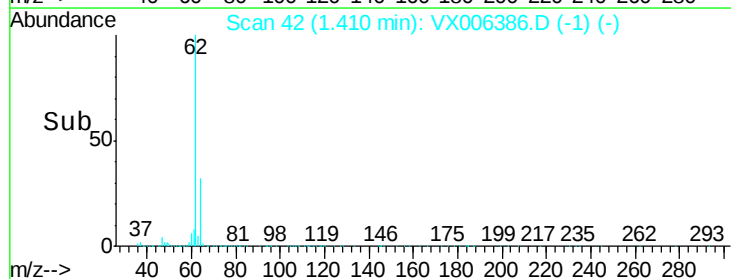
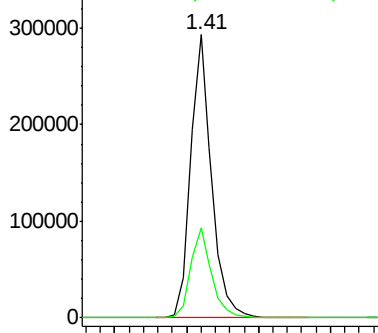
62 100

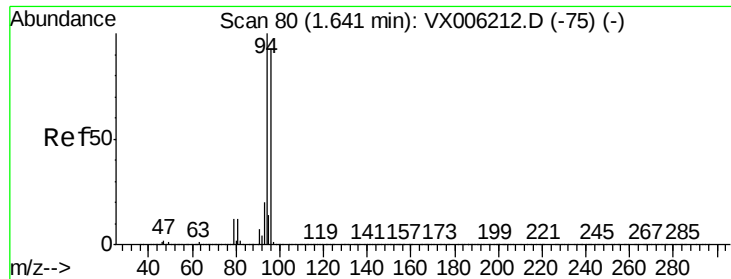
64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.341 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 249991

Ion Ratio Lower Upper

94 100

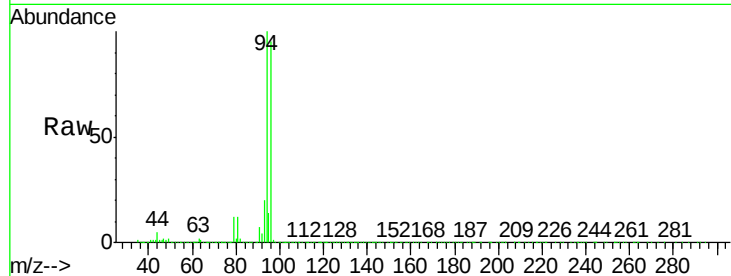
96 95.5 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

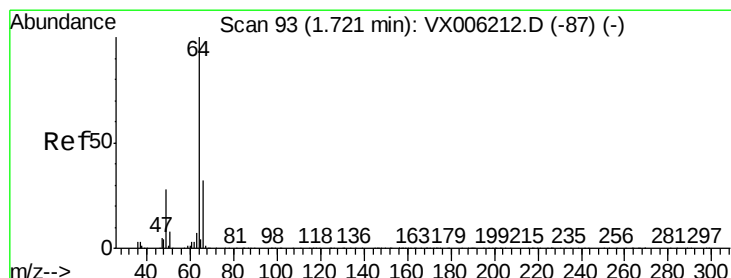
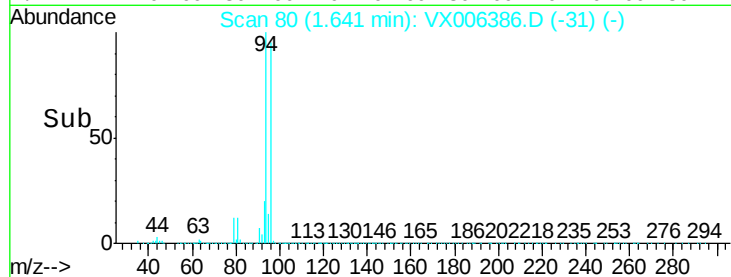
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.494 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006386.D

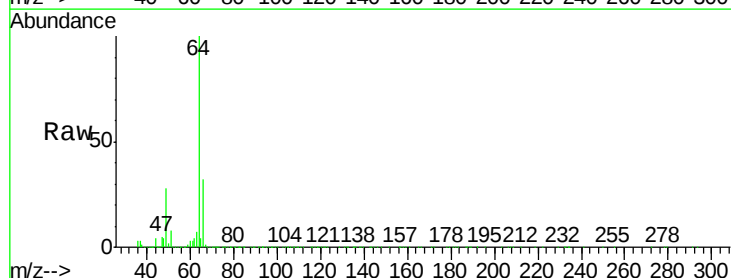
Acq: 10 Dec 2018 22:52

Tgt Ion: 64 Resp: 187047

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

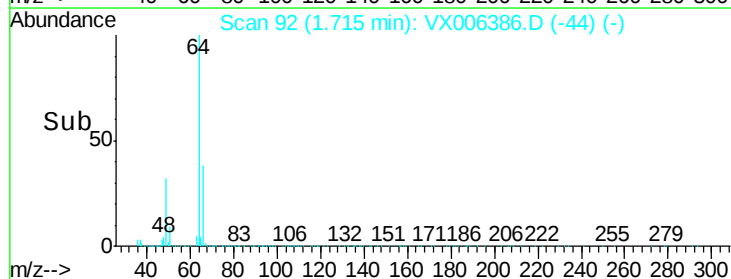
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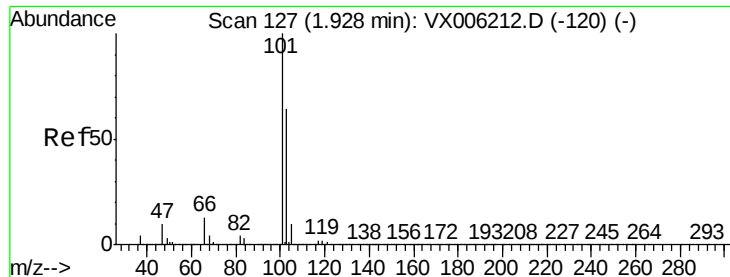
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50000

0

Time-->





#7

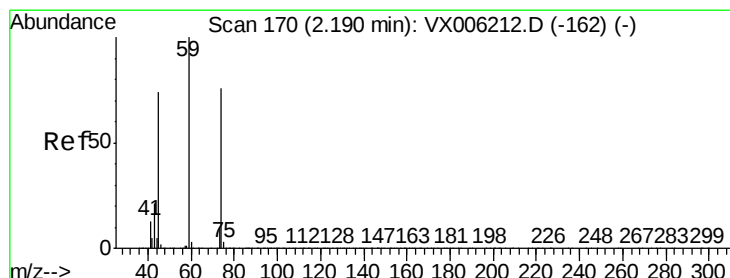
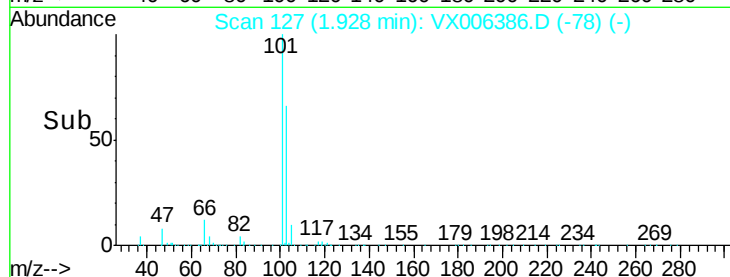
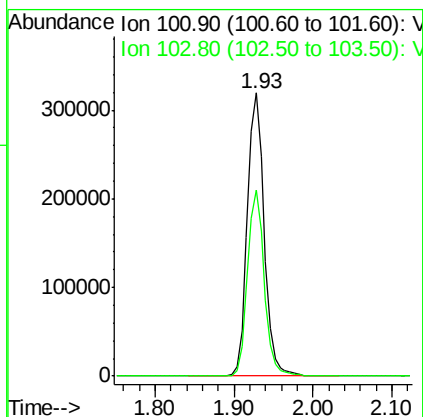
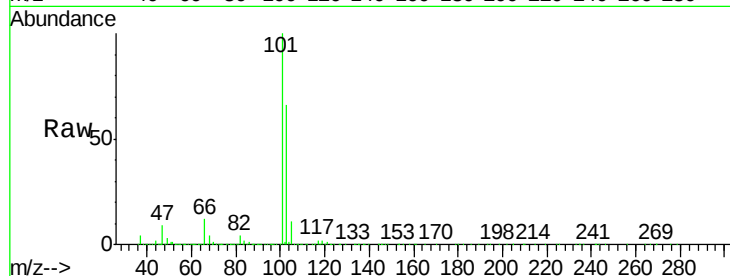
Trichlorofluoromethane
Concen: 49.129 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.4

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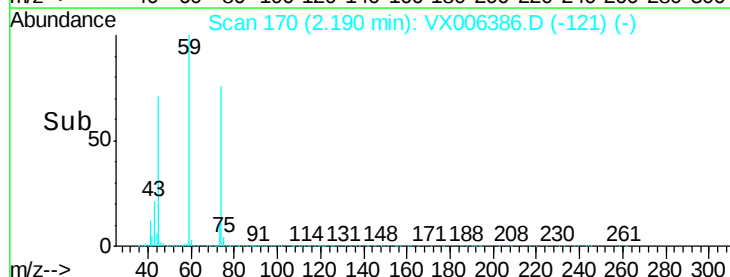
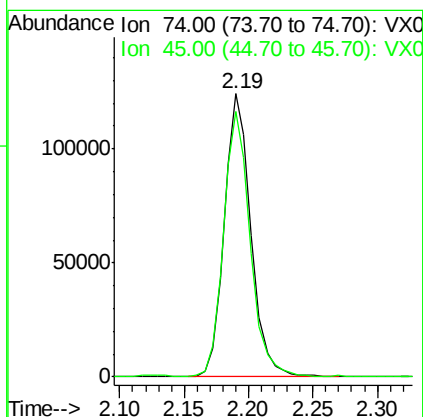
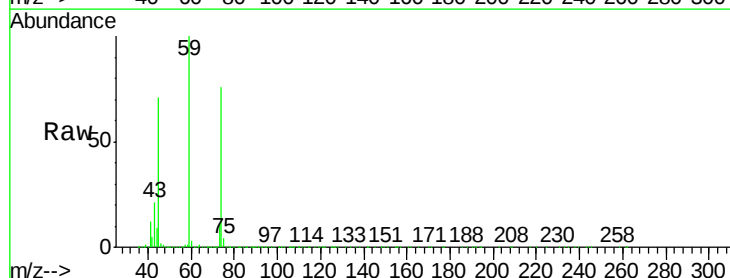
MMDadoda
12/11/2018 10:54:24 AM

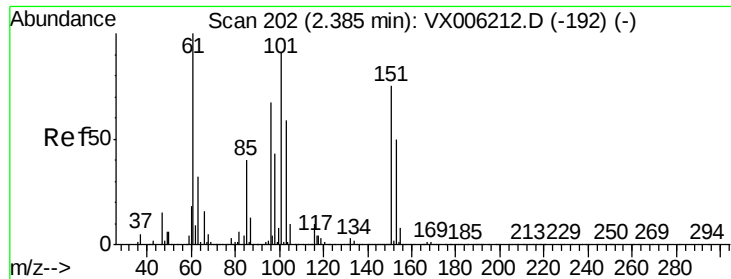


#8

Diethyl Ether
Concen: 49.069 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.734 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

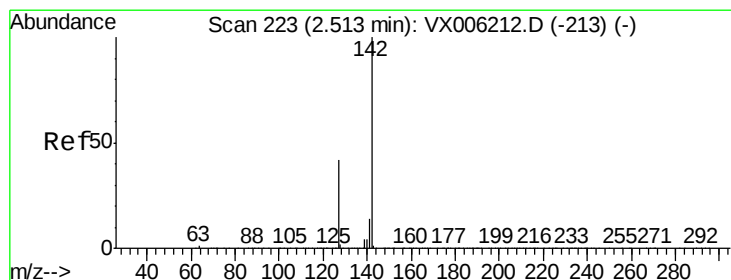
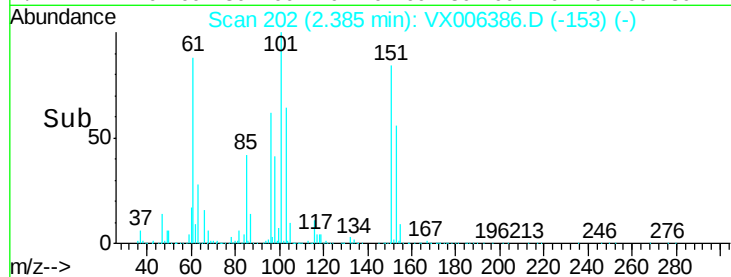
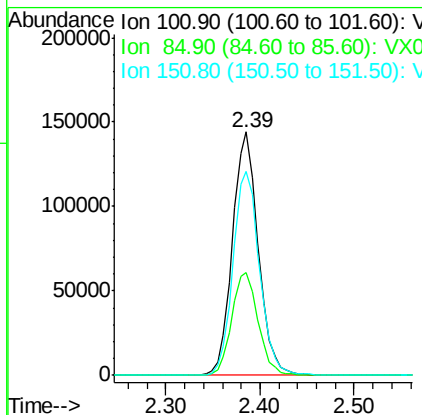
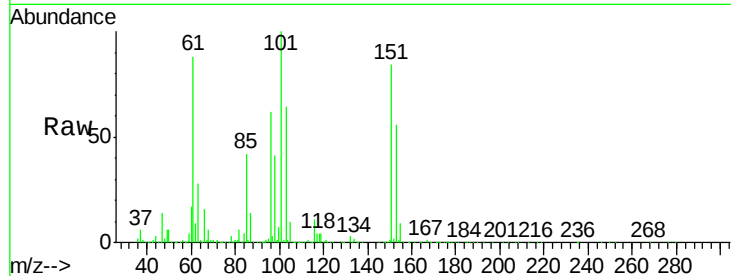
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	273082
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.5	53.3
151	86.3	68.6	103.0

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#10

Methyl Iodide

Concen: 50.606 ug/l

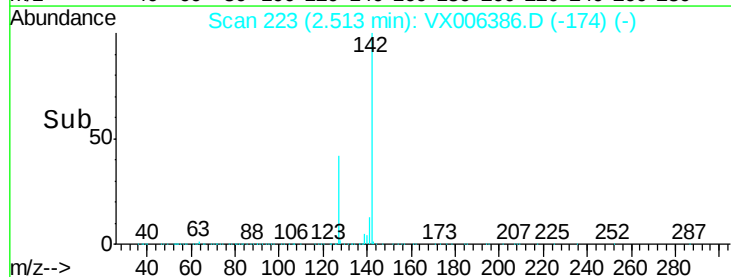
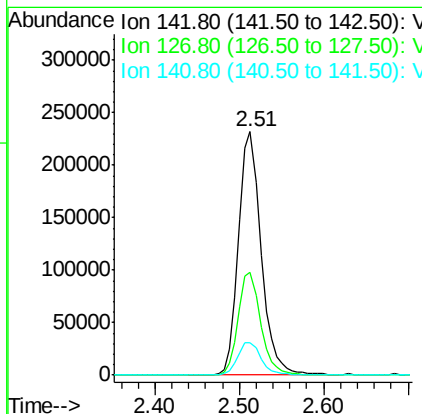
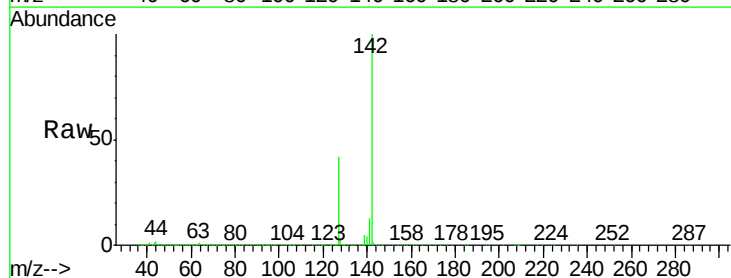
RT: 2.51 min Scan# 223

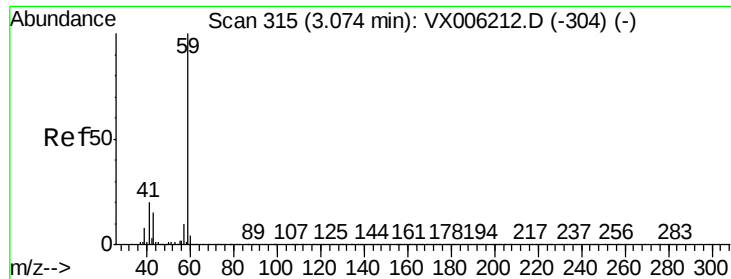
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	142	Resp:	418764
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.8	52.2
141	14.0	11.4	17.2





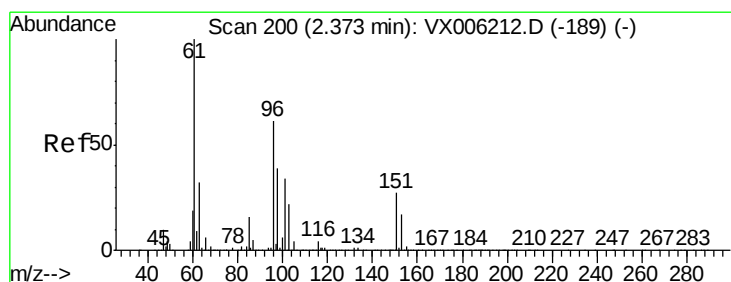
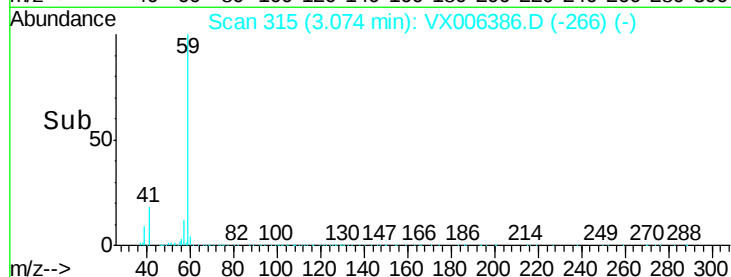
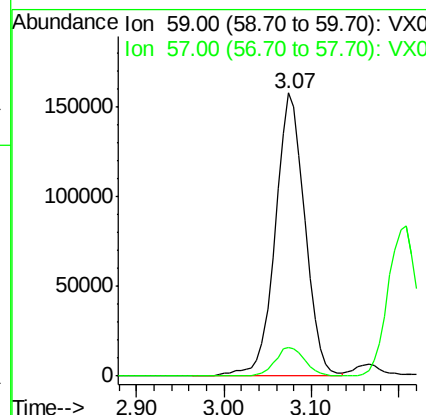
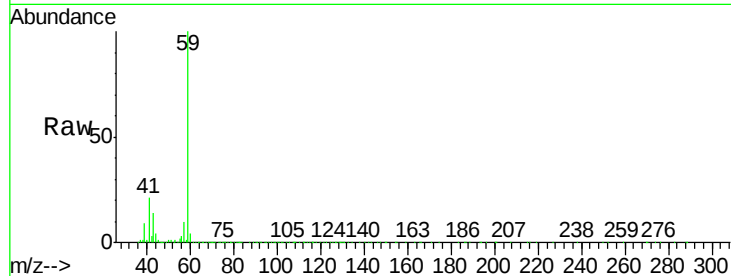
#11
Tert butyl alcohol
Concen: 230.111 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

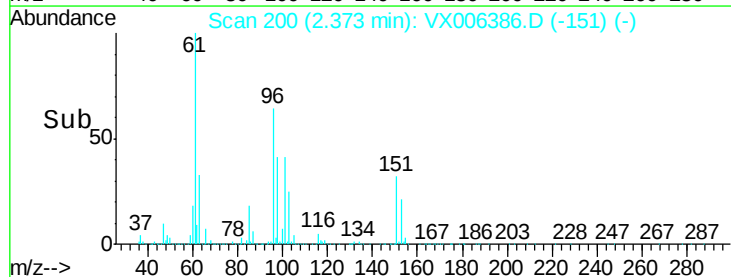
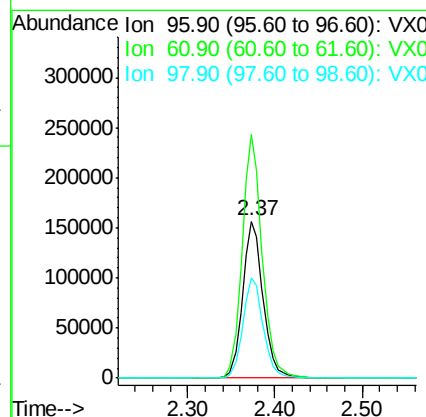
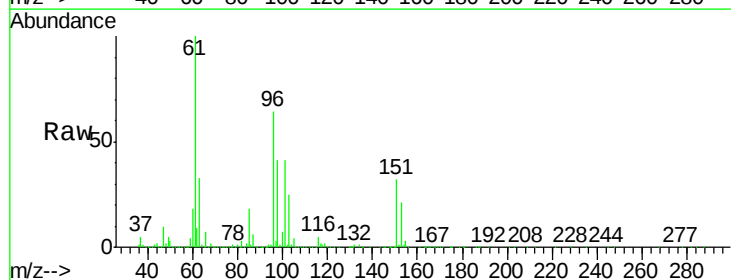
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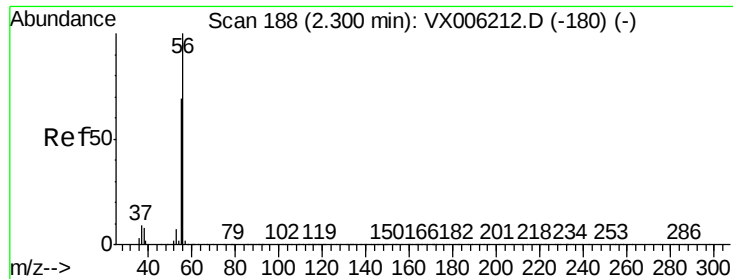
MMDadoda
12/11/2018 10:54:24 AM



#12
1,1-Dichloroethene
Concen: 48.069 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	131.7	197.5
98	64.0	51.8	77.6





#13

Acrolein

Concen: 227.357 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 201526

Ion Ratio Lower Upper

56 100

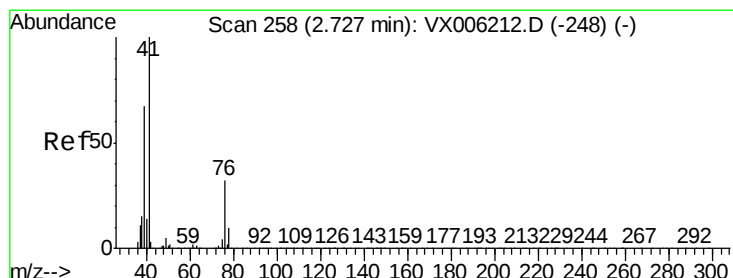
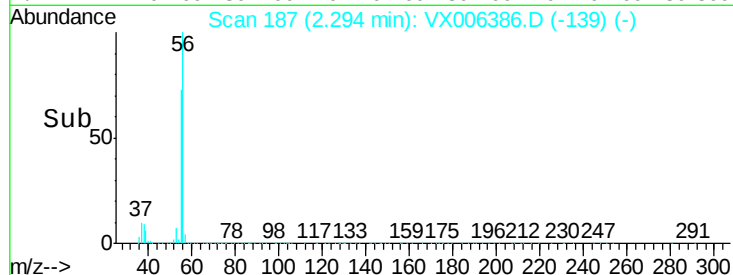
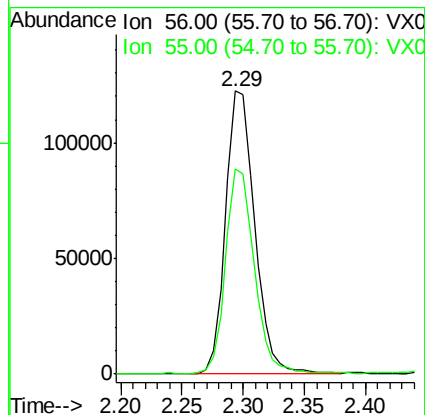
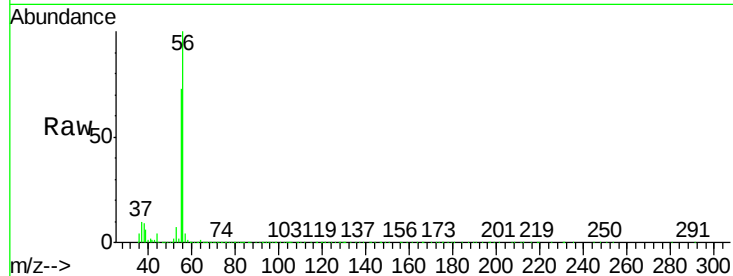
55 71.3 57.8 86.6

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#14

Allyl chloride

Concen: 43.881 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

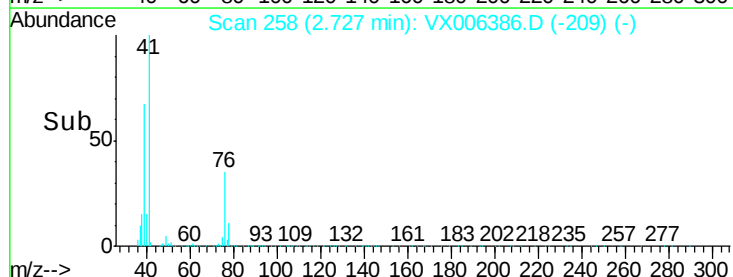
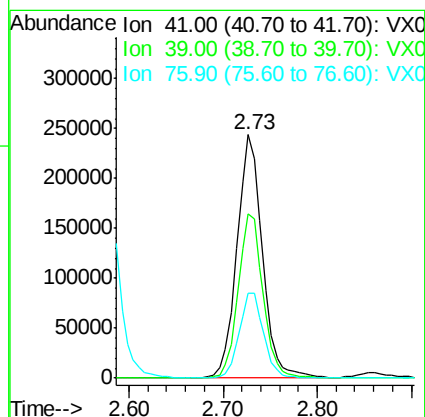
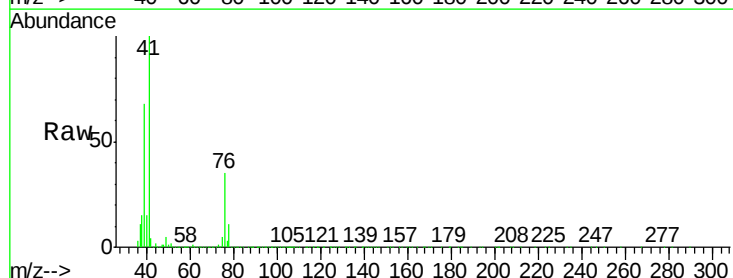
Tgt Ion: 41 Resp: 455631

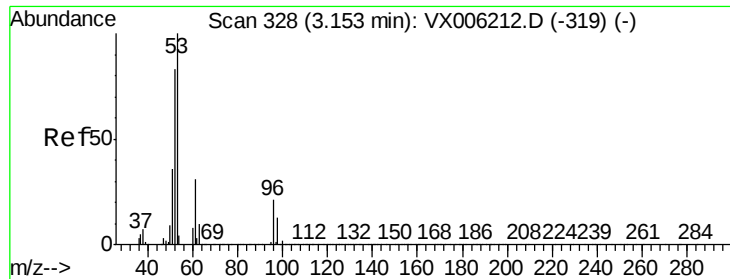
Ion Ratio Lower Upper

41 100

39 65.3 52.4 78.6

76 33.2 25.4 38.0





#15

Acrylonitrile

Concen: 241.390 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

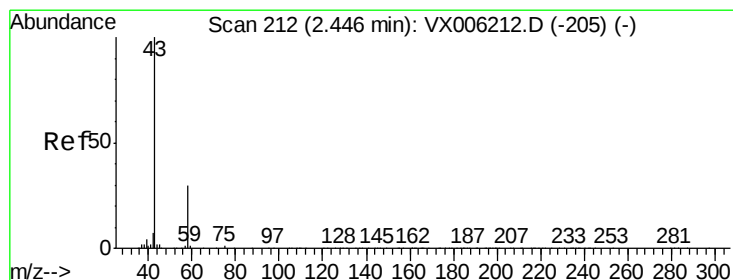
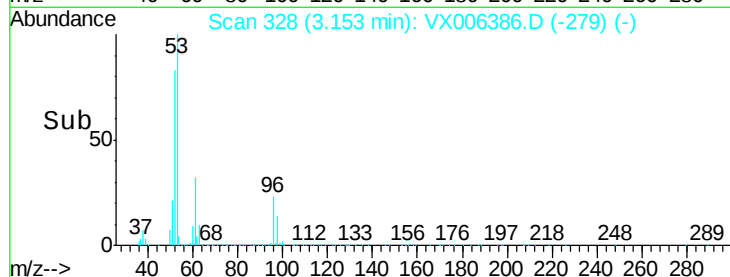
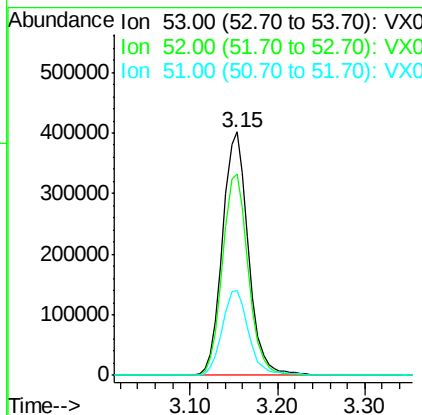
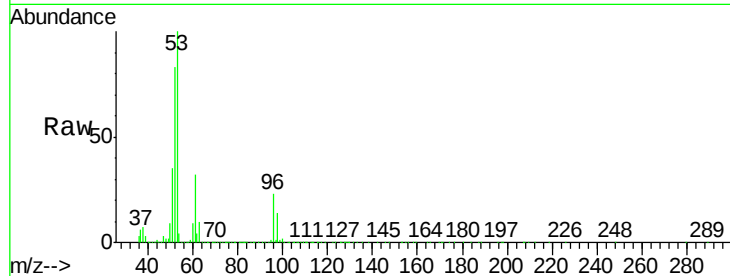
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	816911
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.4
51	36.1	28.7	43.1

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#16

Acetone

Concen: 239.239 ug/l

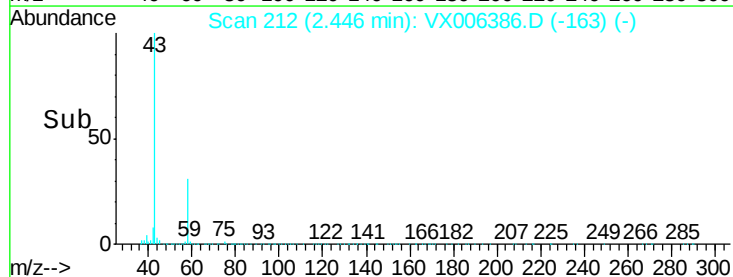
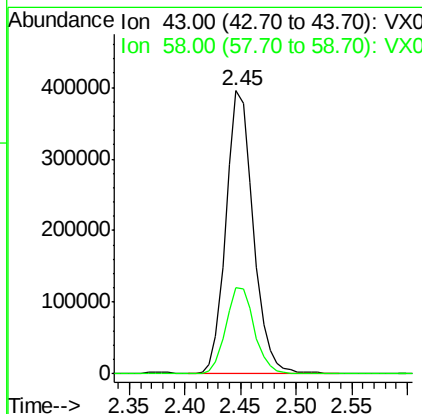
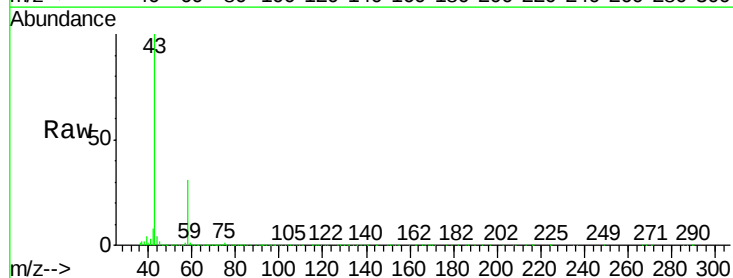
RT: 2.45 min Scan# 212

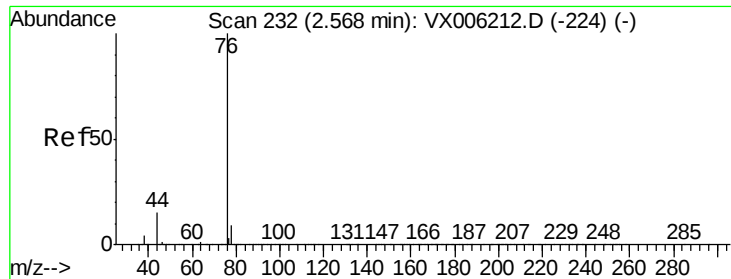
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	43	Resp:	665789
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.0	36.0





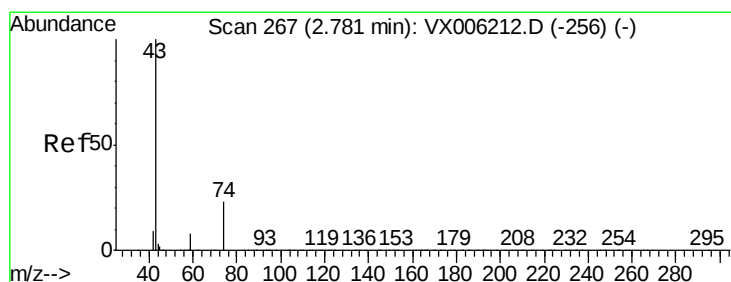
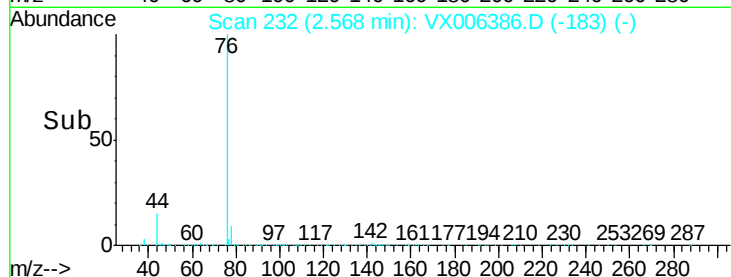
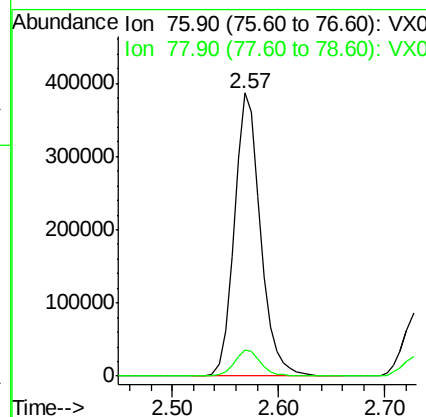
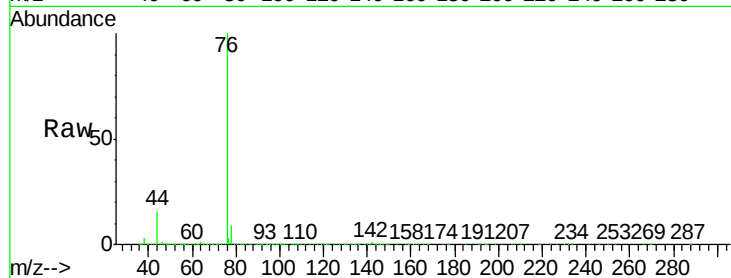
#17
Carbon Disulfide
Concen: 41.050 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

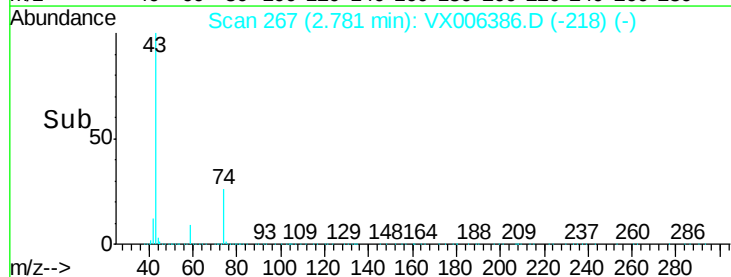
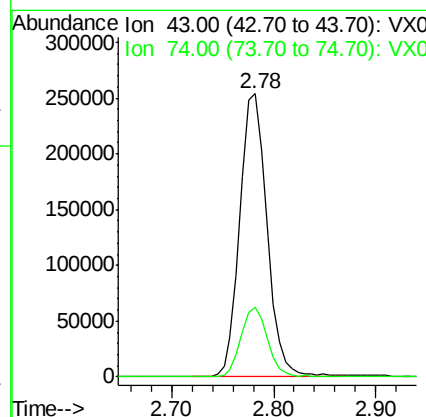
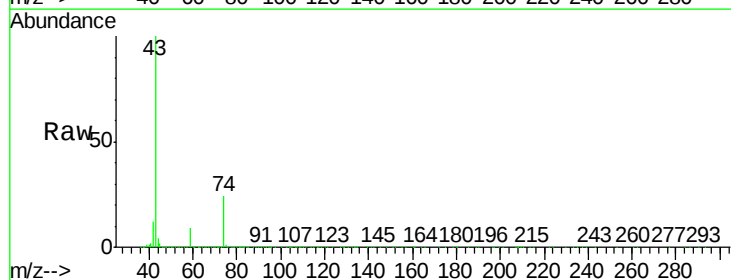
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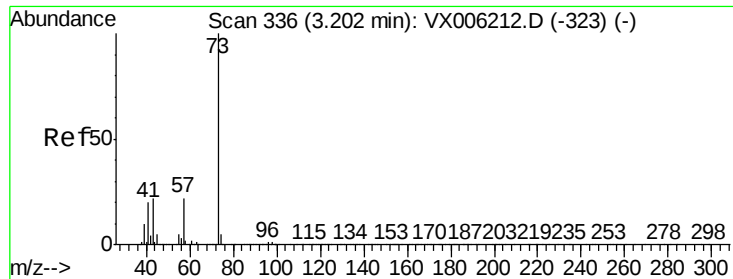
MMDadoda
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#18
Methyl Acetate
Concen: 50.055 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.9	26.9





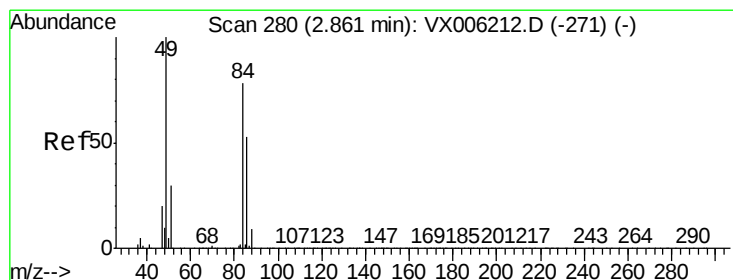
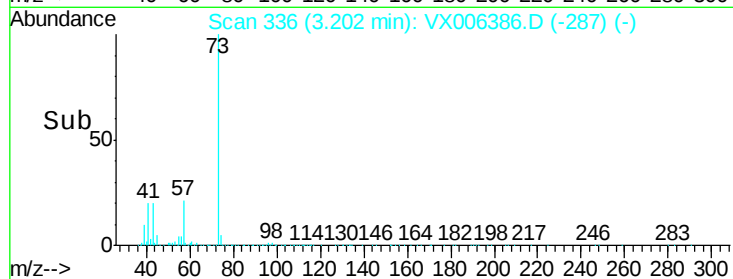
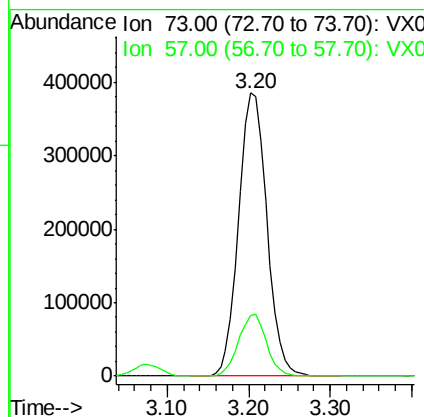
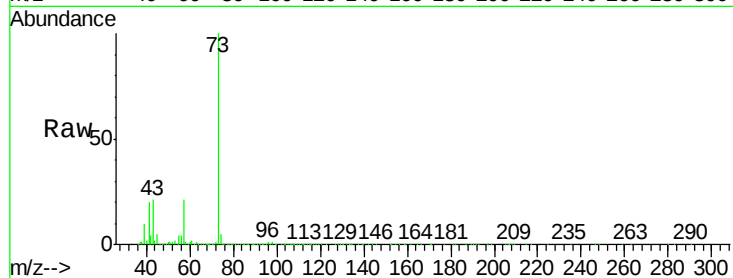
#19
Methvl tert-butvl Ether
Concen: 49.201 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.5	26.3

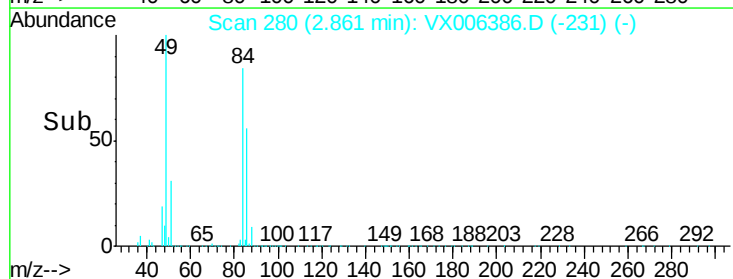
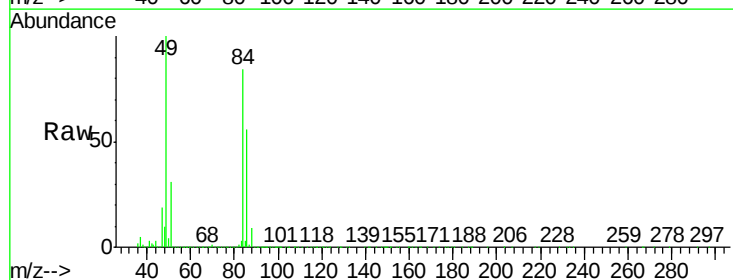
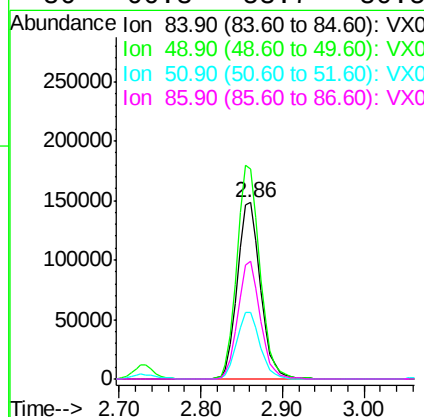
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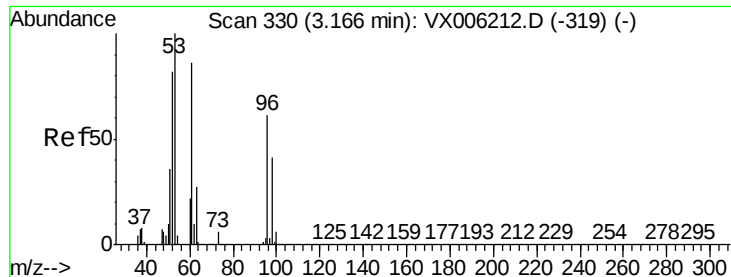
MMDadoda
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#20
Methylene Chloride
Concen: 48.714 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	102.2	153.4
51	37.2	31.1	46.7
86	66.3	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 48.232 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

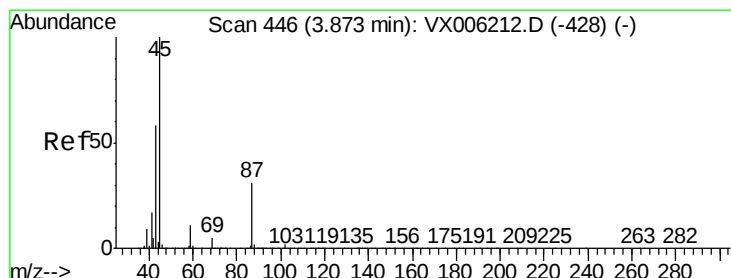
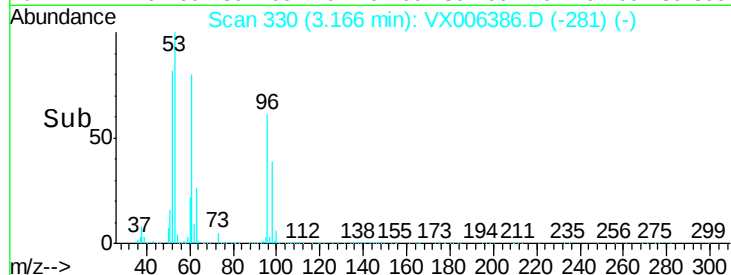
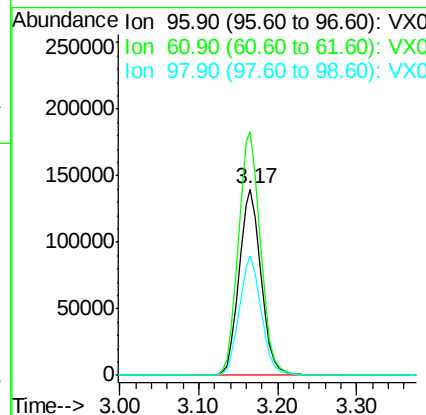
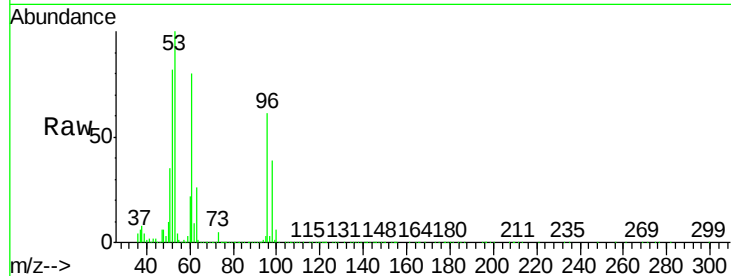
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	270173
Ion Ratio	Lower	Upper	
96	100		
61	130.6	113.3	169.9
98	64.0	53.2	79.8

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#22

Diisopropyl ether

Concen: 51.257 ug/l

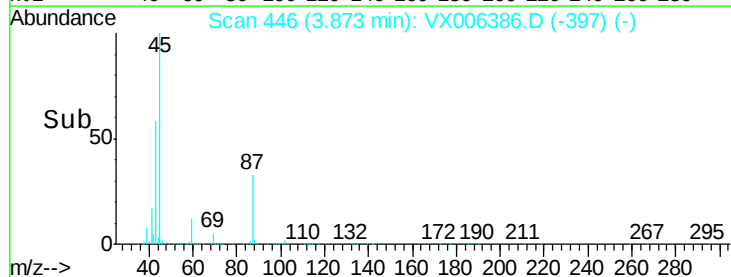
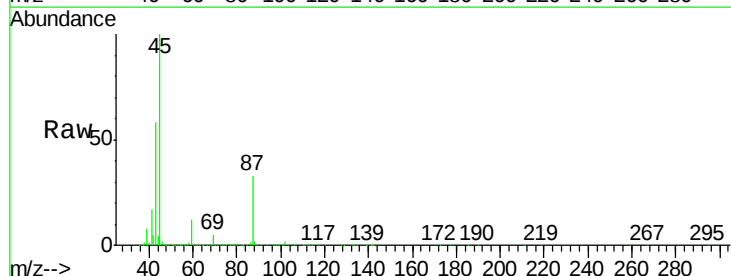
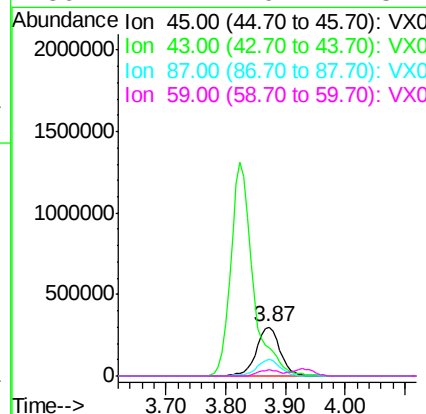
RT: 3.87 min Scan# 446

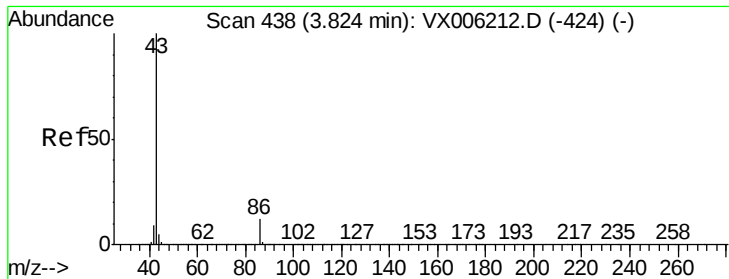
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	45	Resp:	831304
Ion Ratio	Lower	Upper	
45	100		
43	58.3	46.2	69.2
87	33.2	24.9	37.3
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 245.395 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3394550

Ion Ratio Lower Upper

43 100

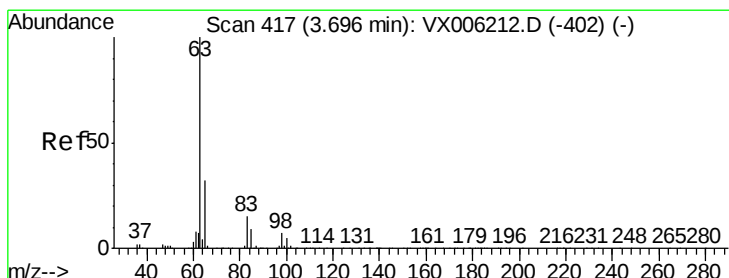
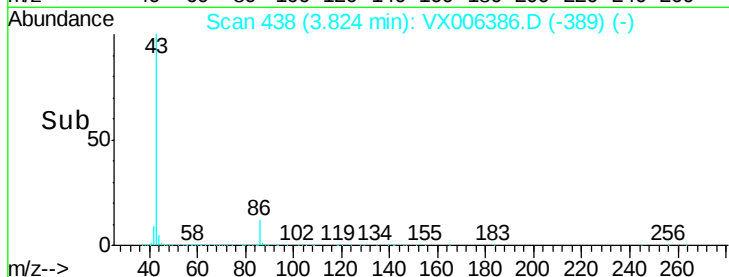
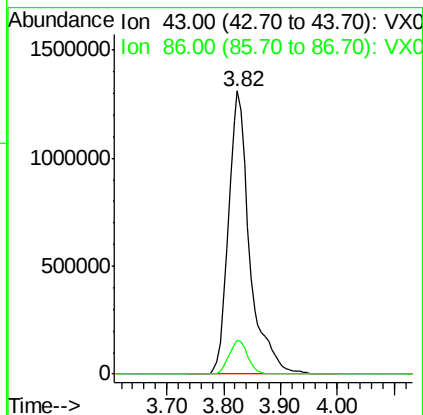
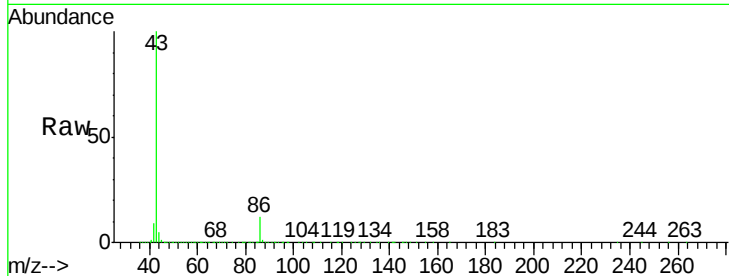
86 11.9 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 50.747 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

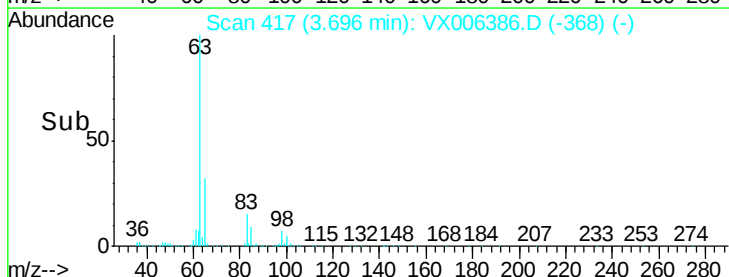
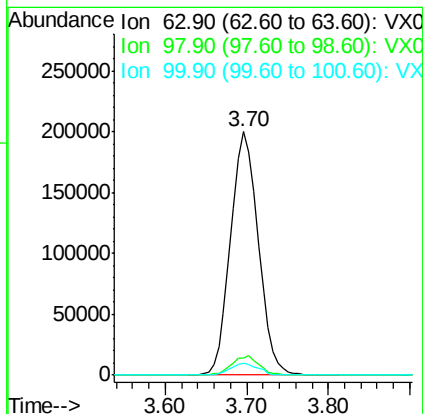
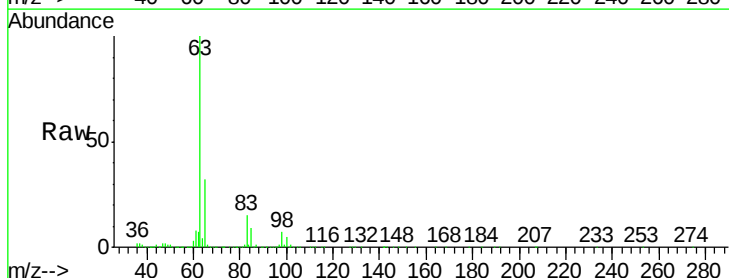
Tgt Ion: 63 Resp: 470427

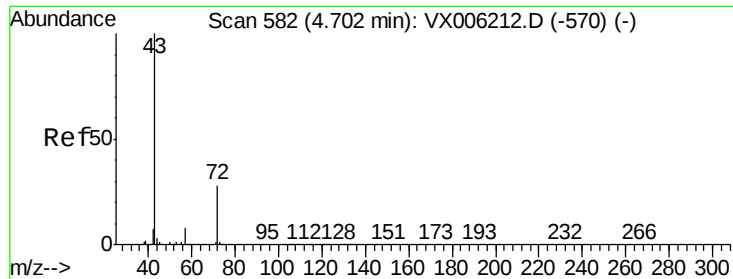
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 251.758 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 999698

Ion Ratio Lower Upper

43 100

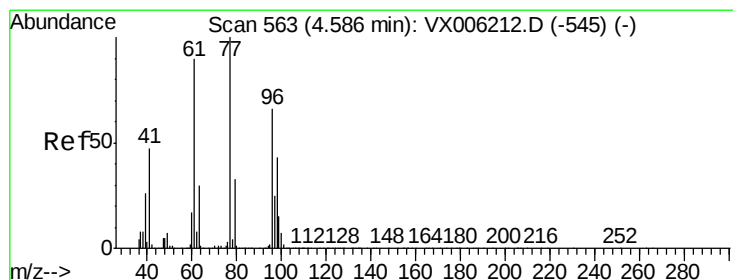
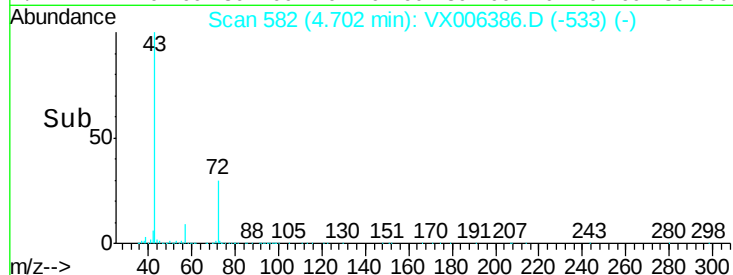
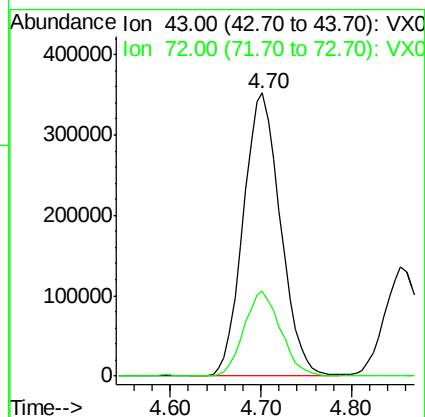
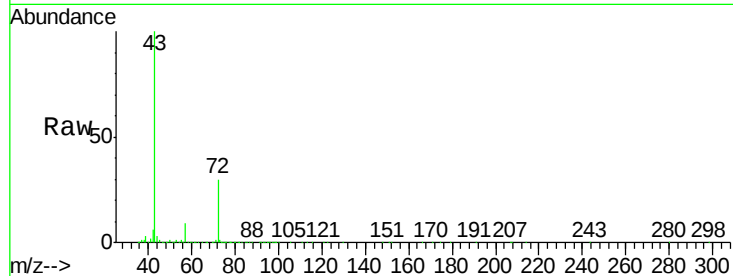
72 29.9 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.580 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006386.D

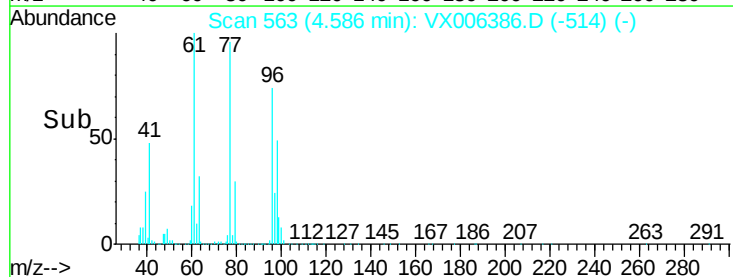
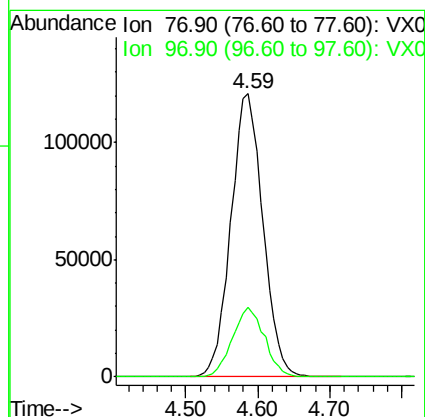
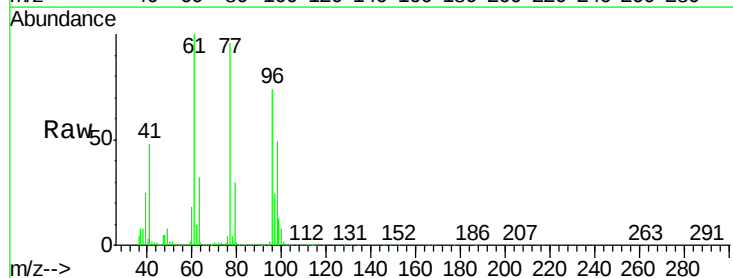
Acq: 10 Dec 2018 22:52

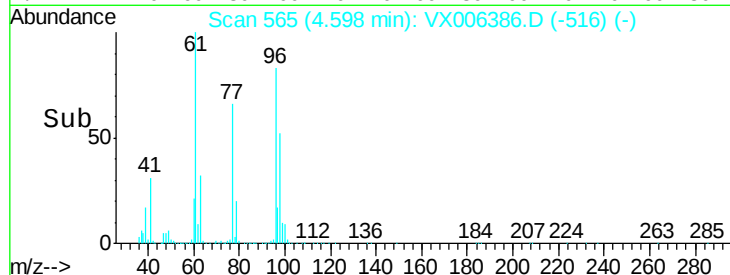
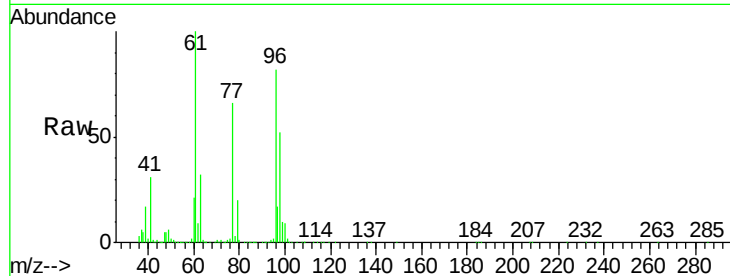
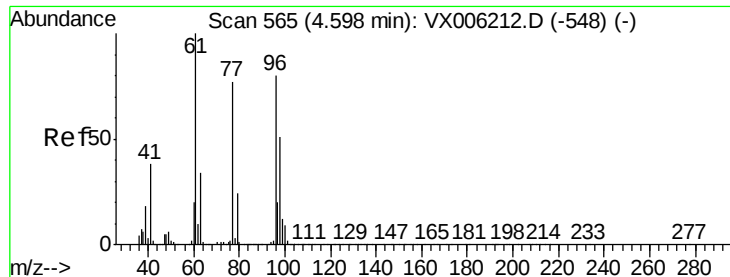
Tgt Ion: 77 Resp: 372833

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8





#27

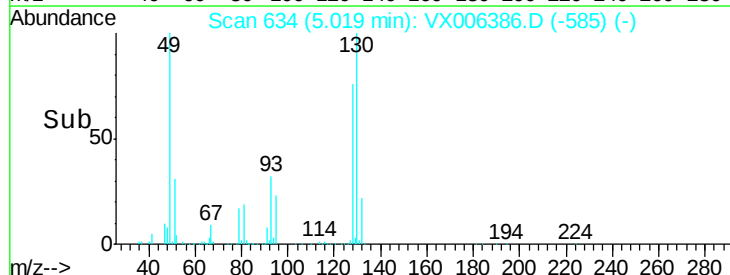
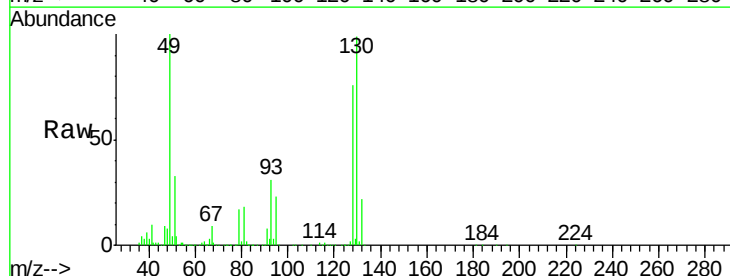
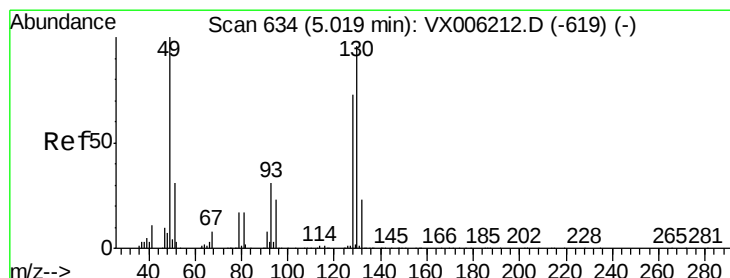
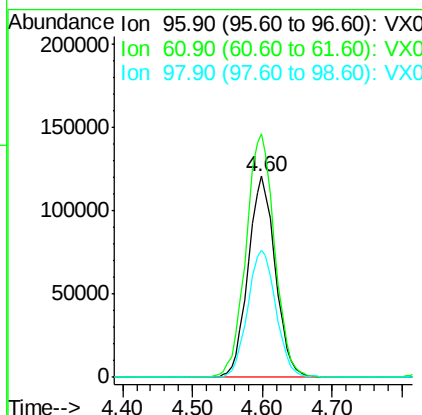
cis-1,2-Dichloroethene
Concen: 52.313 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tot Ion	Ratio	Resp	Lower	Upper
96	100	326864		
61	126.9		0.0	265.0
98	65.3		0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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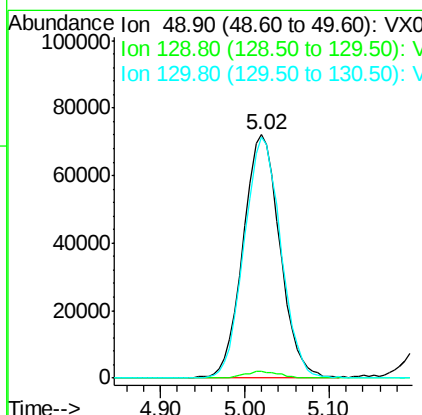
MMDadoda
12/11/2018 10:54:24 AM

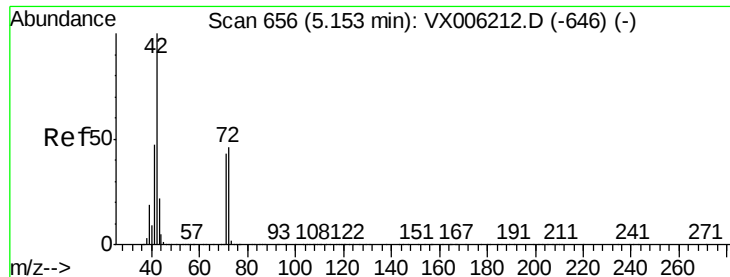


#28

Bromochloromethane
Concen: 52.624 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	213080		
129	2.7		0.0	5.0
130	98.8		78.3	117.5





#29

Tetrahydrofuran

Concen: 242.883 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

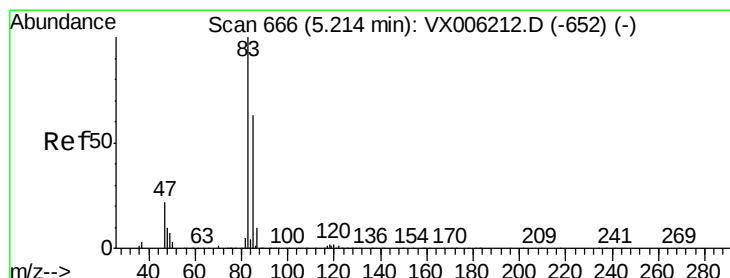
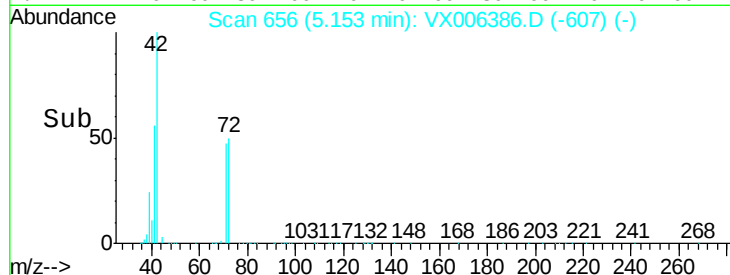
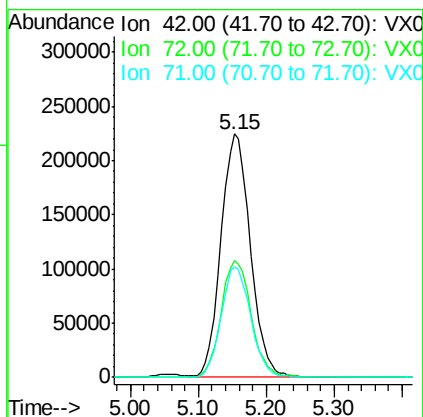
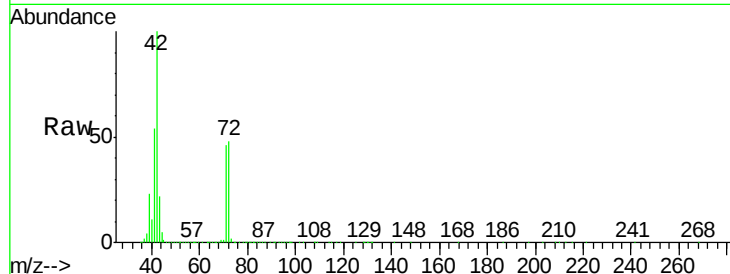
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	670296
Ion	Ratio	Lower	Upper
42	100		
72	49.2	37.8	56.8
71	45.7	35.2	52.8

Manual Integrations
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12/11/2018 10:54:24 AM



#30

Chloroform

Concen: 52.452 ug/l

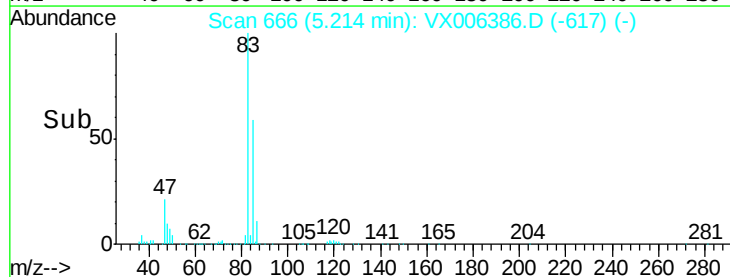
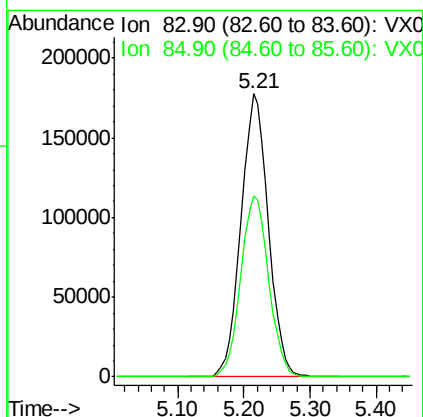
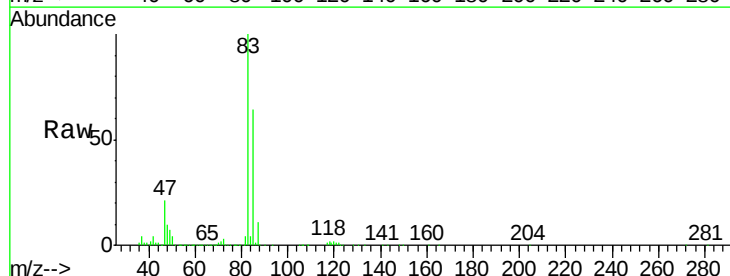
RT: 5.21 min Scan# 666

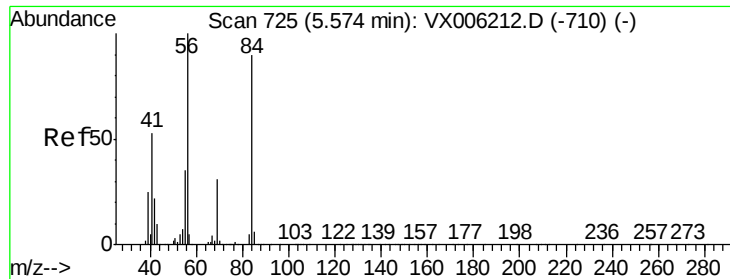
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	83	Resp:	510971
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5





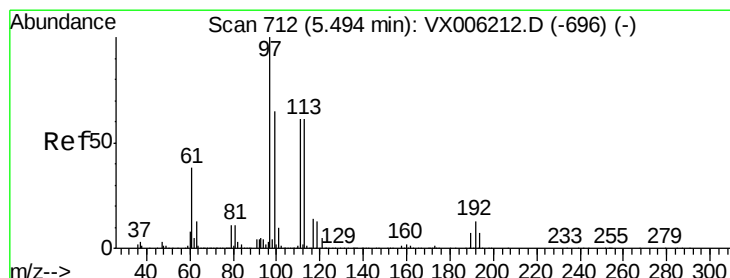
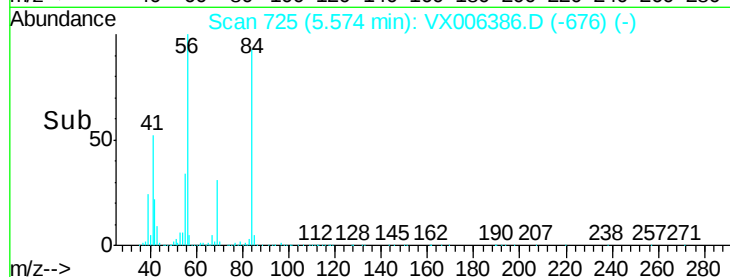
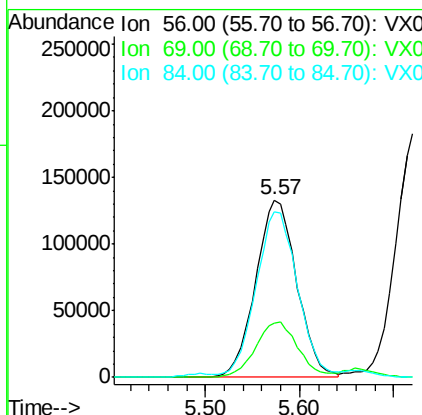
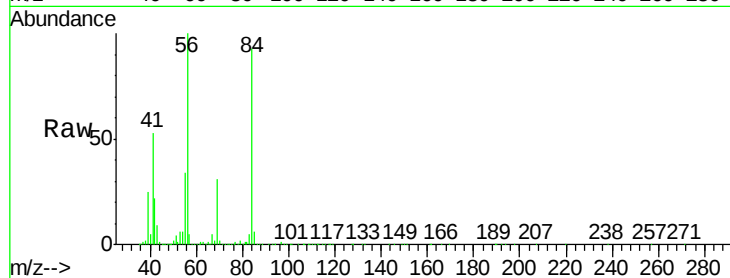
#31
Cyclohexane
Concen: 47.270 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.5	36.7
84	91.9	71.8	107.6

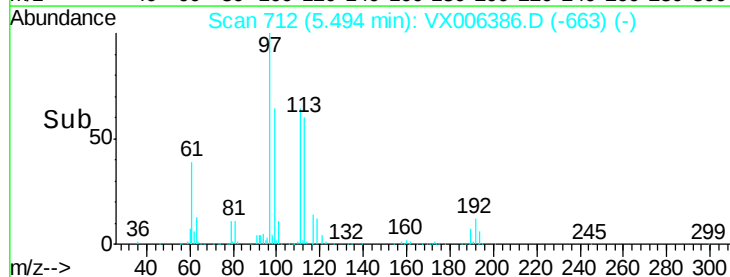
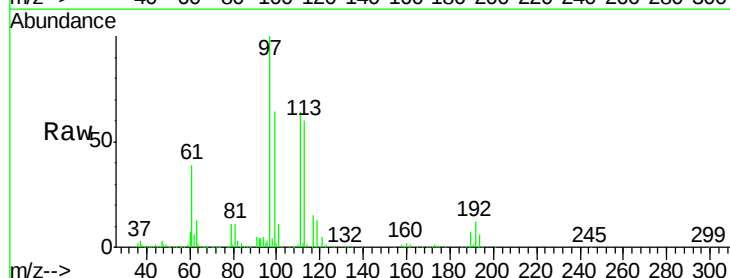
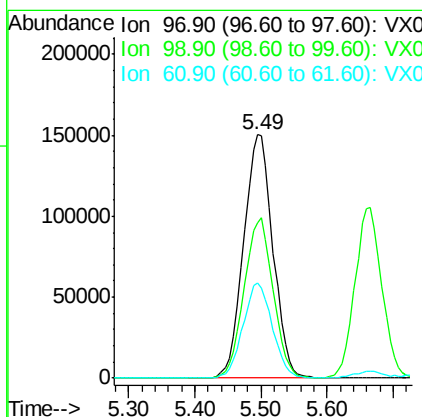
Manual Integrations
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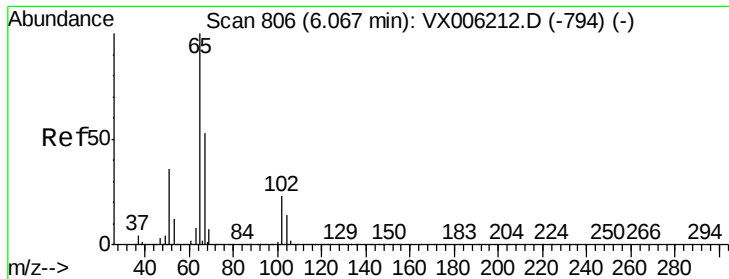
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.000 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	39.2	30.6	46.0





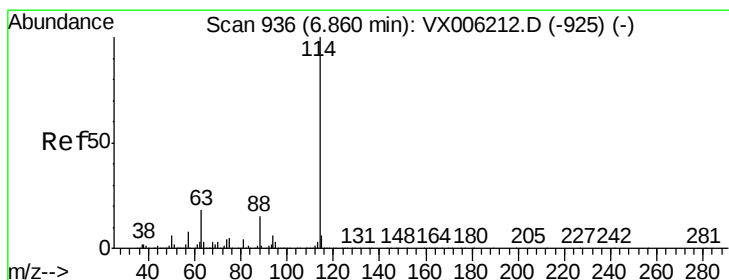
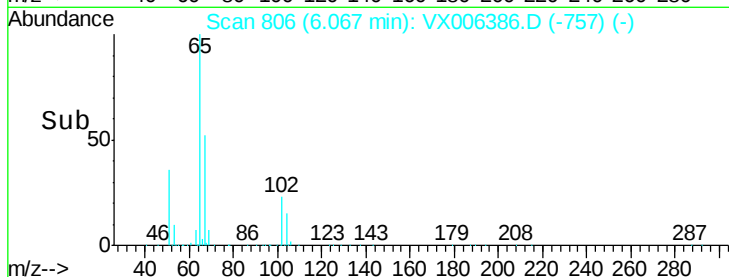
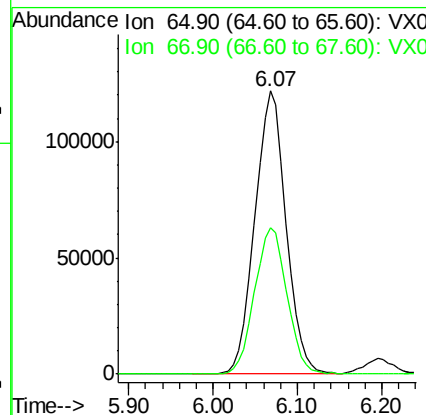
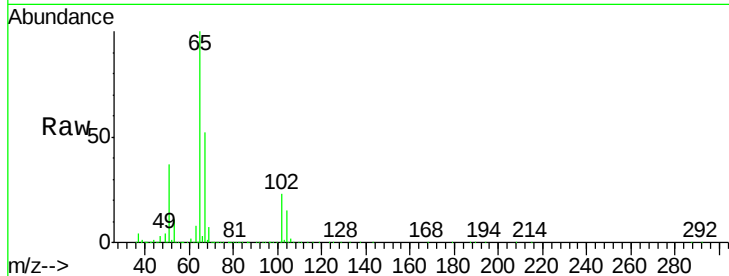
#33
 1,2-Dichloroethane-d4
 Concen: 51.749 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	306878		
67	53.8	0.0	107.2	

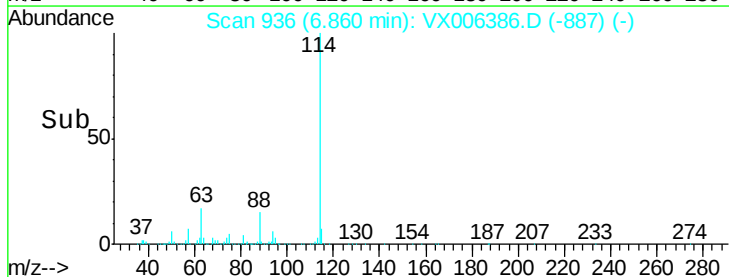
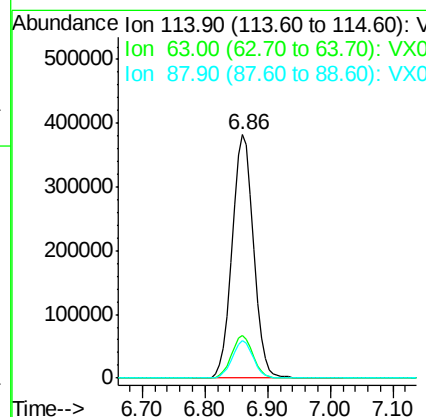
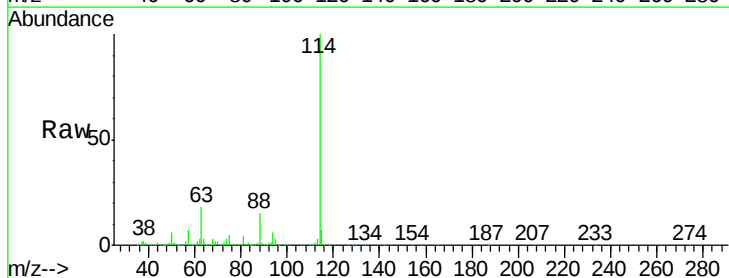
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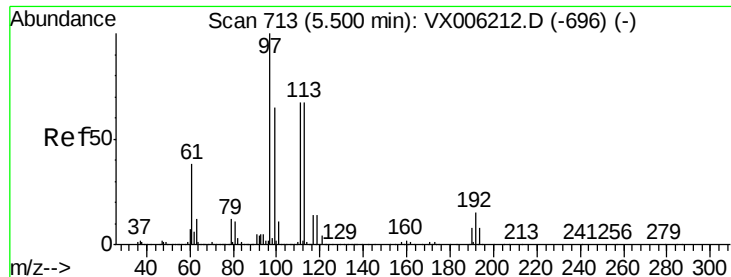
MMDadoda
 12/11/2018 10:54:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	902881		
63	17.5	0.0	36.6	
88	15.2	0.0	29.0	





#35

Dibromofluoromethane

Concen: 49.625 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

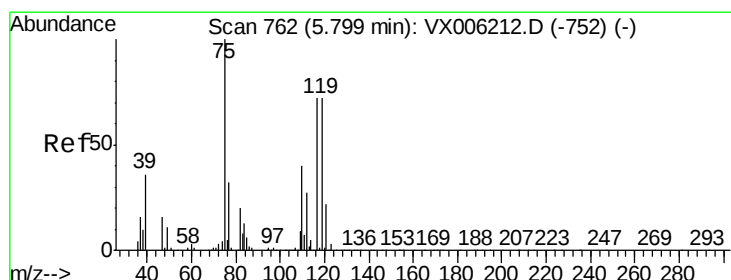
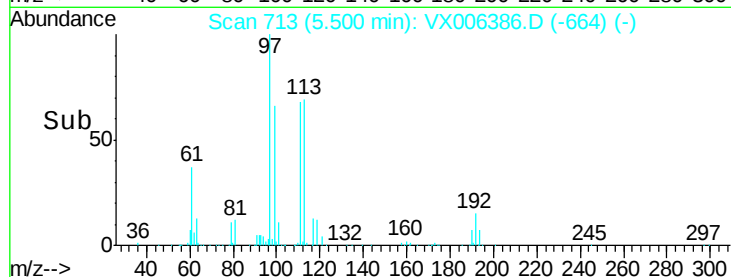
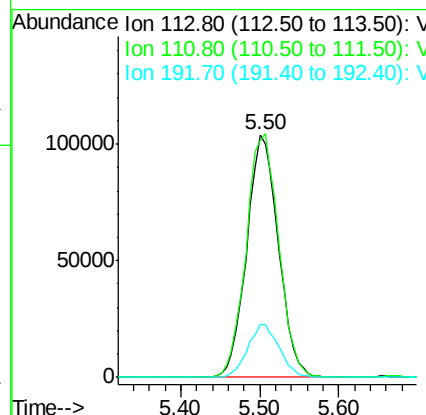
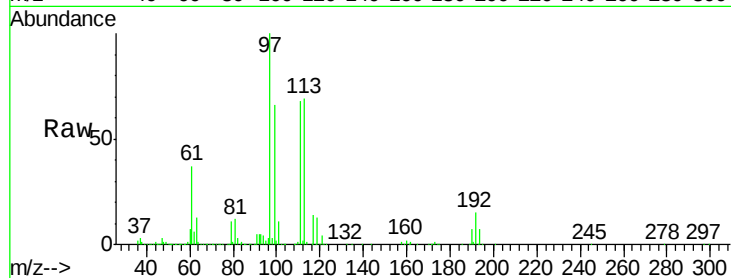
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	290100
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.1	121.7
192	21.8	18.2	27.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.654 ug/l

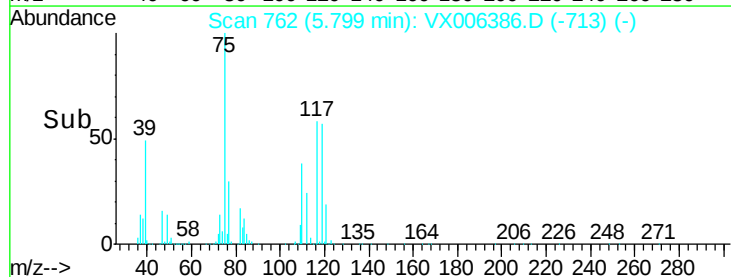
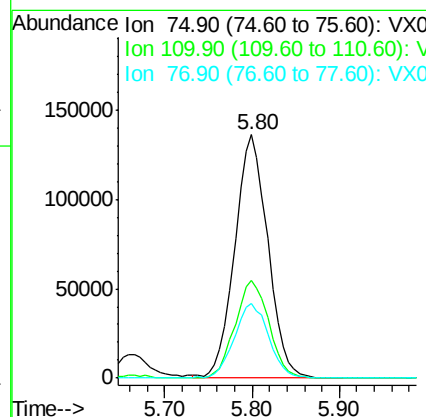
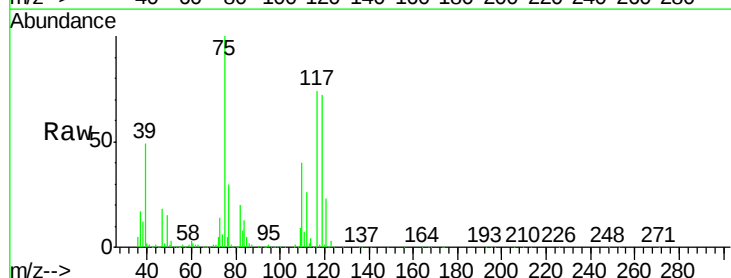
RT: 5.80 min Scan# 762

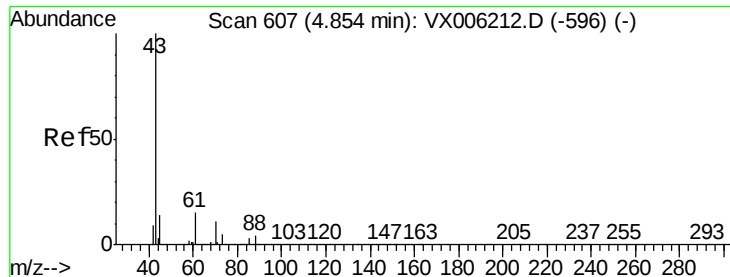
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	75	Resp:	354721
Ion Ratio	Lower	Upper	
75	100		
110	41.7	20.4	61.3
77	31.8	24.9	37.3





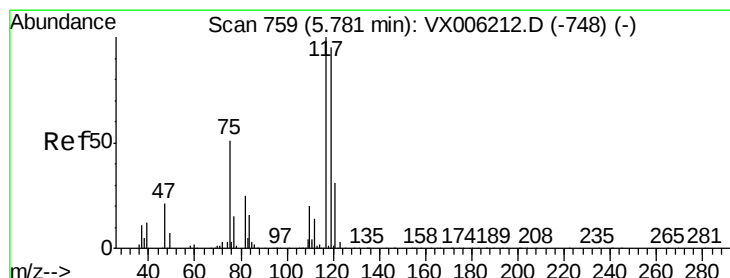
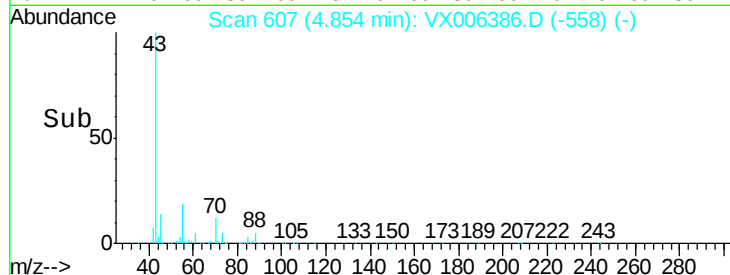
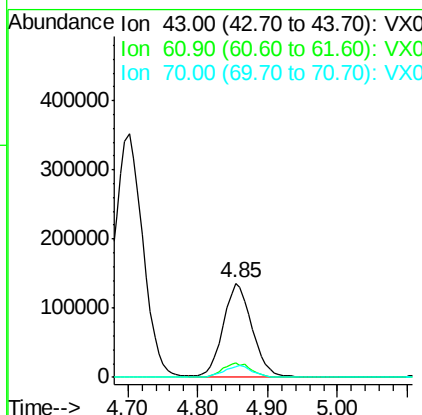
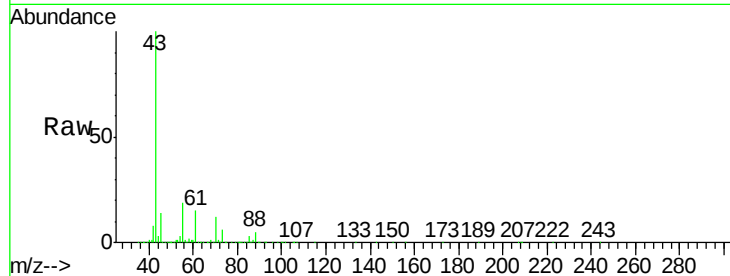
#37
Ethyl Acetate
Concen: 45.708 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	389184
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.8	9.0	13.6

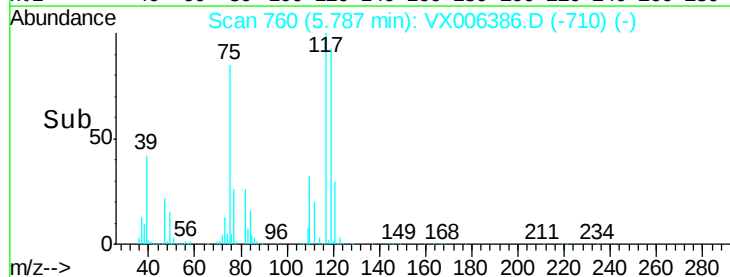
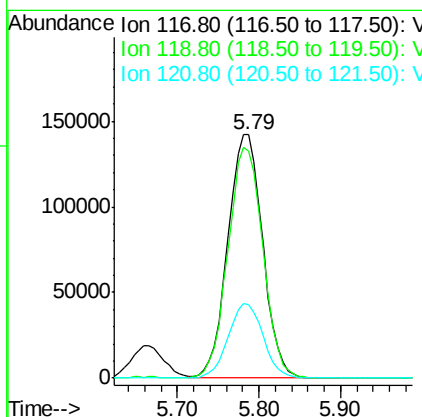
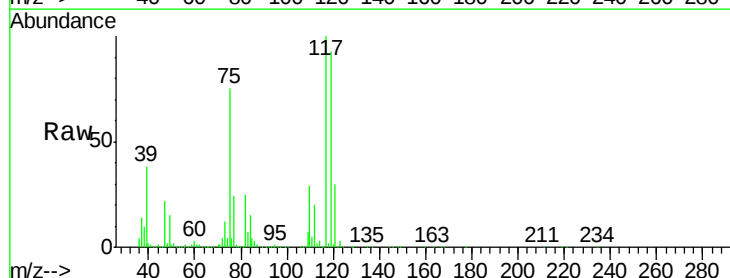
Manual Integrations
APPROVED

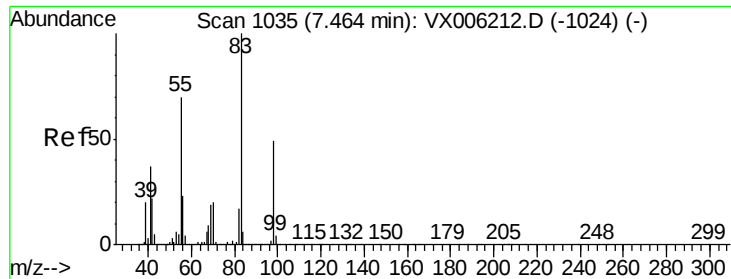
MMDadoda
12/11/2018 10:54:24 AM



#38
Carbon Tetrachloride
Concen: 46.859 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion:	117	Resp:	419132
Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.8	113.8
121	29.9	24.6	37.0





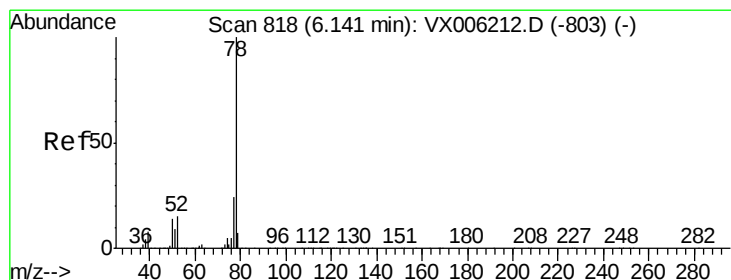
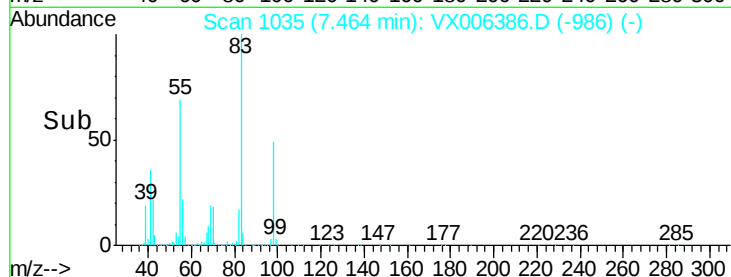
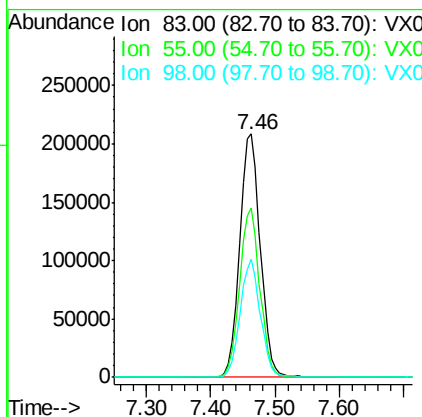
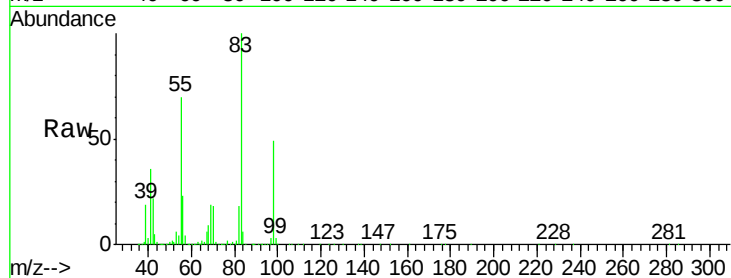
#39
Methvlcvclohexane
Concen: 46.647 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	56.4	84.6
98	48.7	39.0	58.6

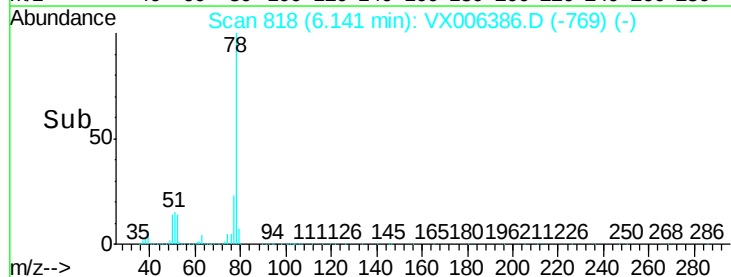
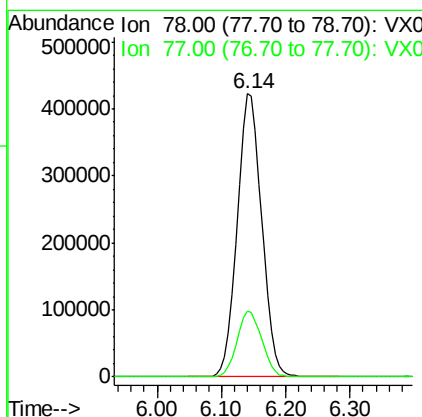
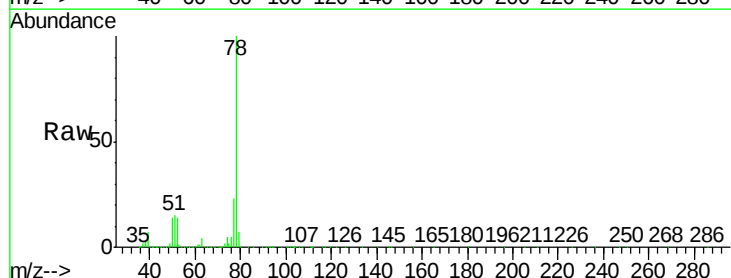
Manual Integrations
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#40
Benzene
Concen: 48.996 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





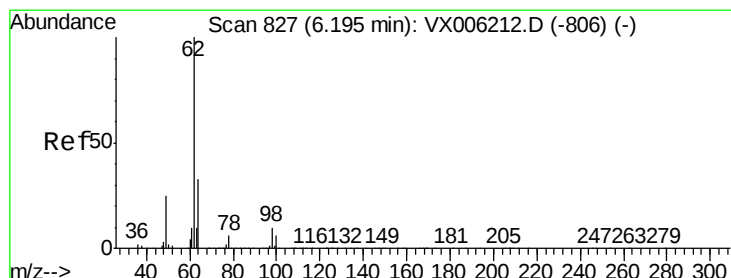
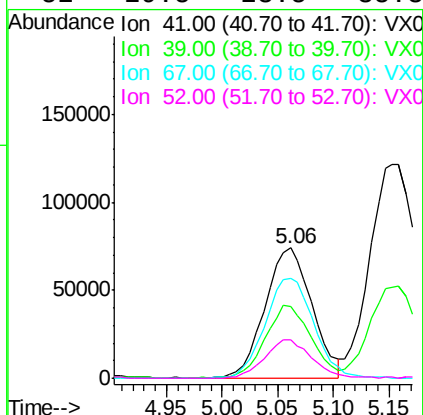
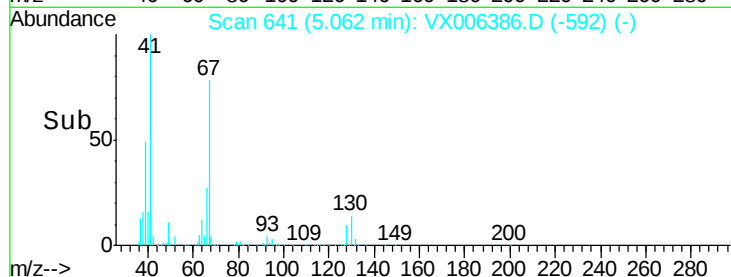
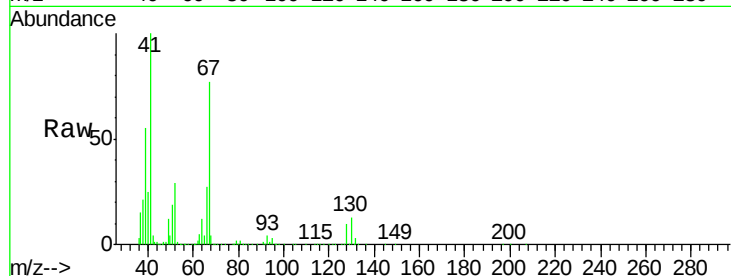
#41
Methacrylonitrile
Concen: 46.226 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		216577		
39	54.2	44.0	66.0		
67	80.6	61.4	92.0		
52	29.5	23.5	35.3		

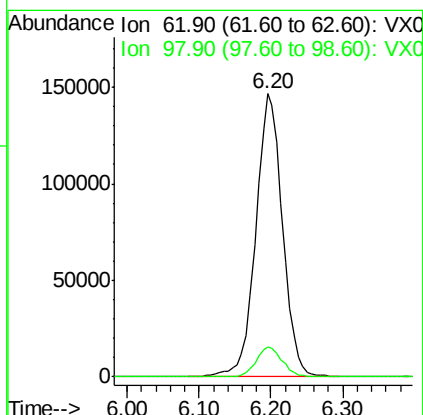
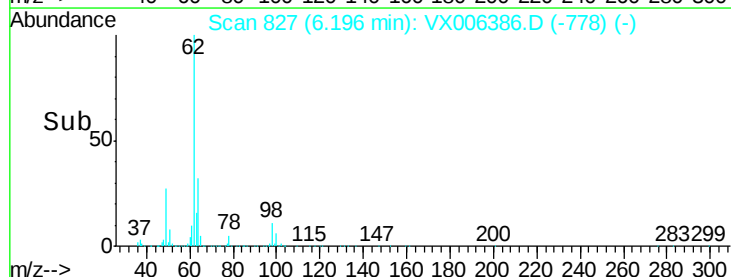
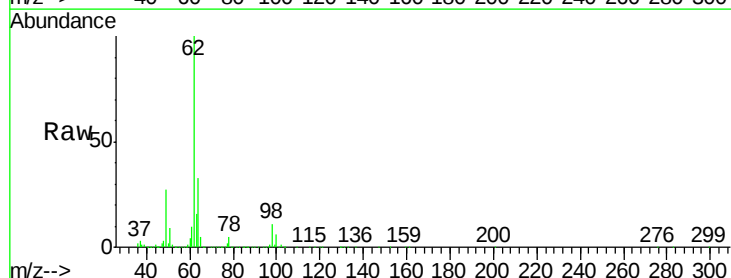
Manual Integrations
APPROVED

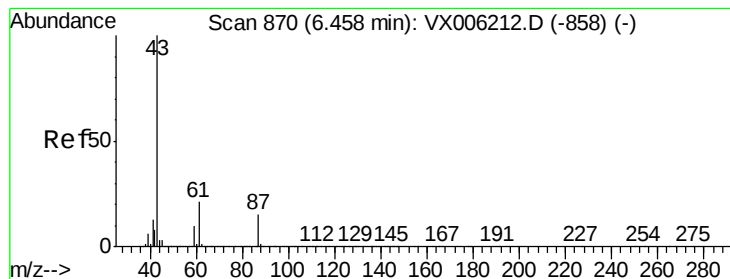
MMDadoda
12/11/2018 10:54:24 AM



#42
1,2-Dichloroethane
Concen: 50.518 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		376506		
98	10.4	0.0	20.2		





#43

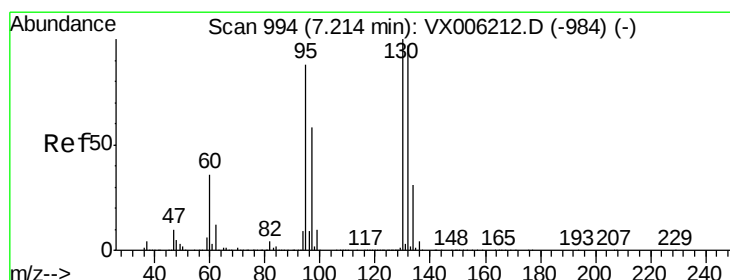
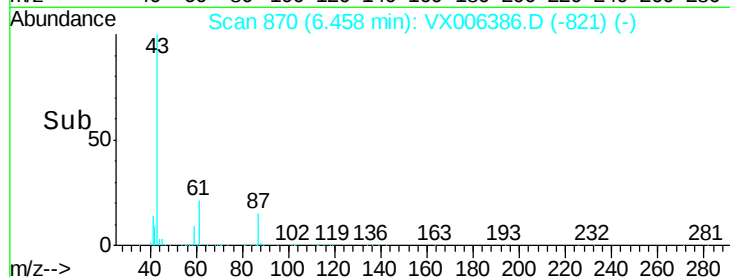
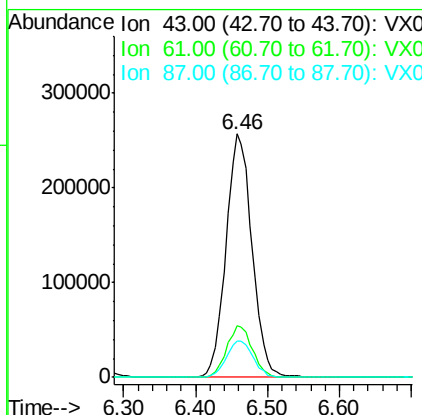
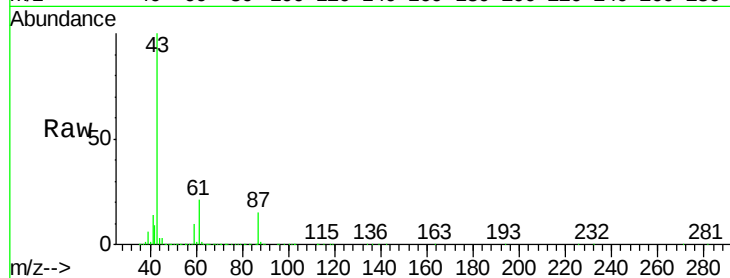
Isopropyl Acetate
 Concen: 45.295 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.8	25.2
87	15.5	11.9	17.9

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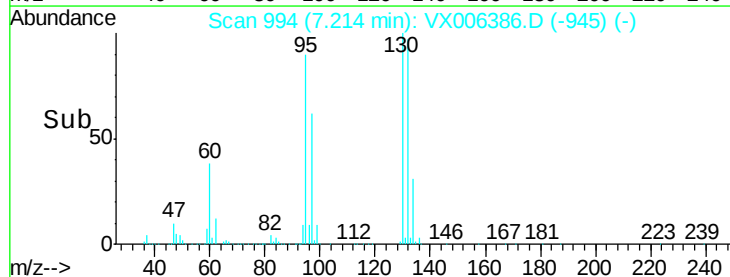
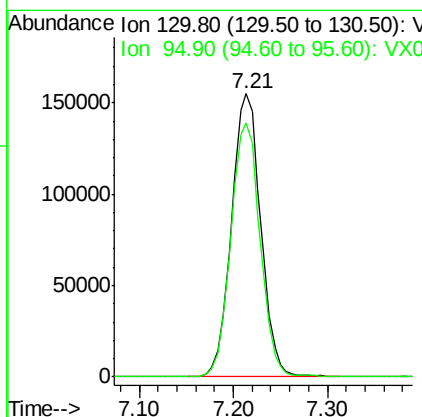
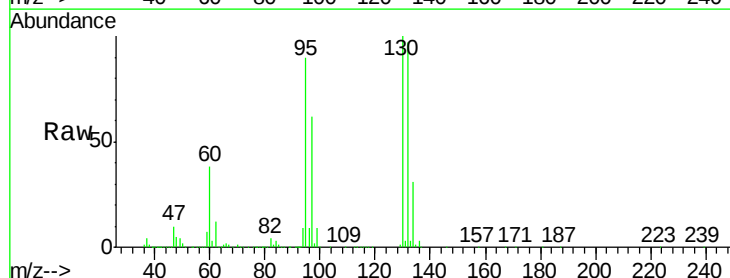
MMDadoda
 12/11/2018 10:54:24 AM

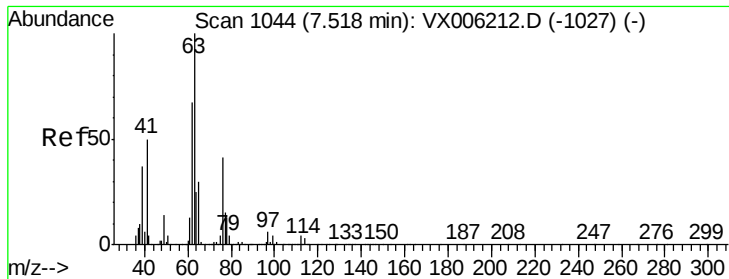


#44

Trichloroethene
 Concen: 48.201 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	175.8





#45

1,2-Dichloropropane

Concen: 48.808 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 282485

Ion Ratio Lower Upper

63 100

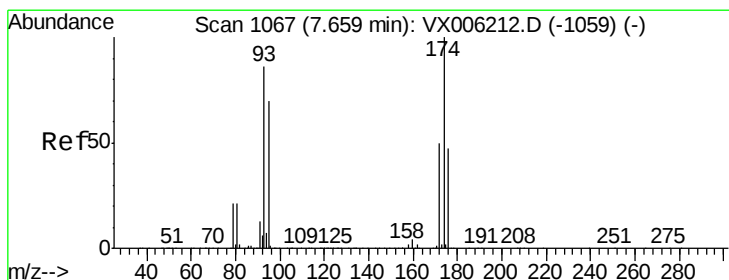
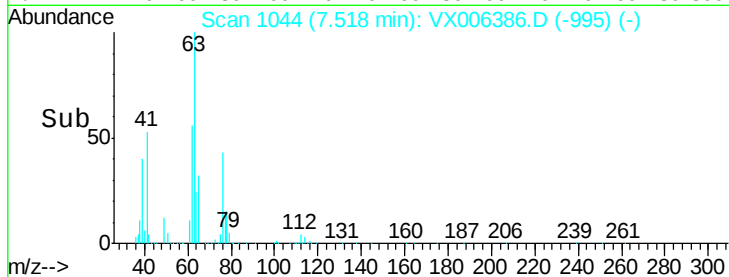
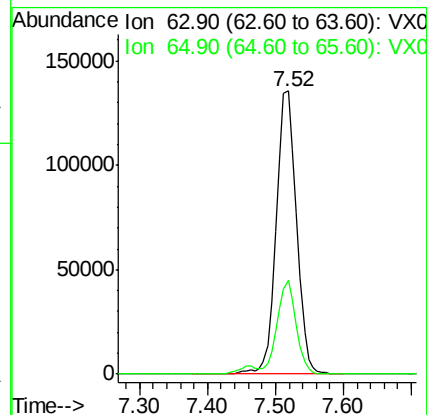
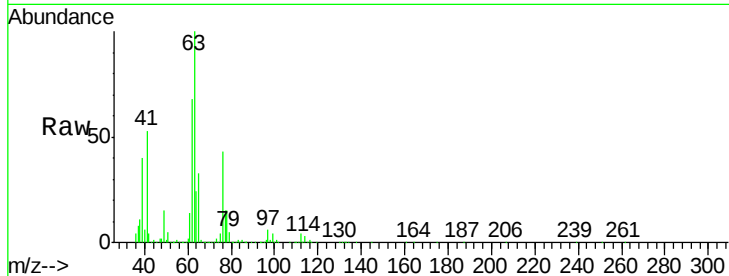
65 33.0 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.919 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

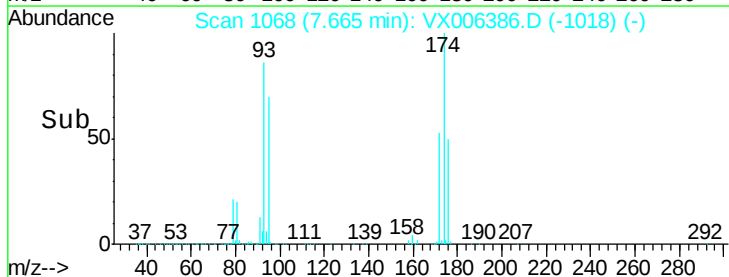
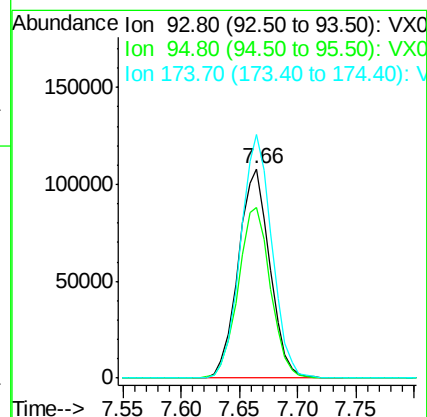
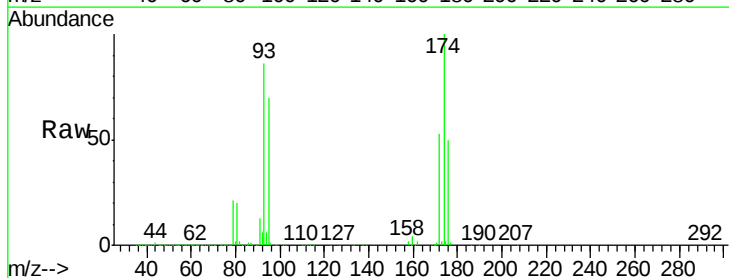
Tgt Ion: 93 Resp: 204478

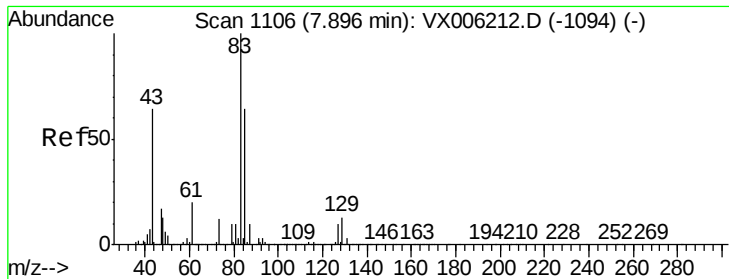
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 115.8 97.2 145.8





#47

Bromodichloromethane

Concen: 47.654 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

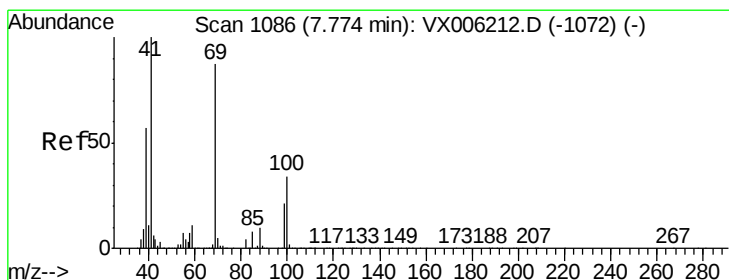
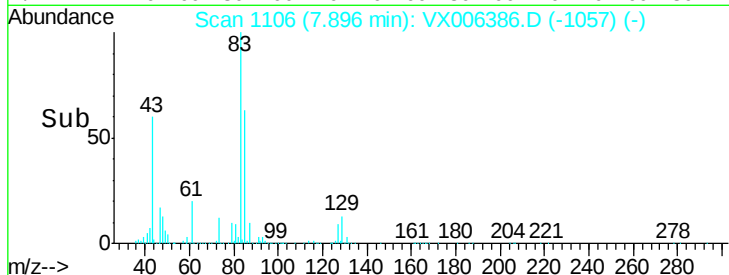
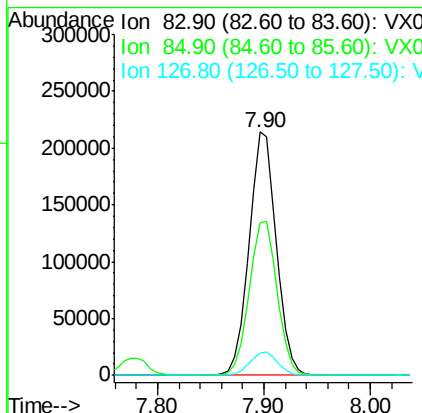
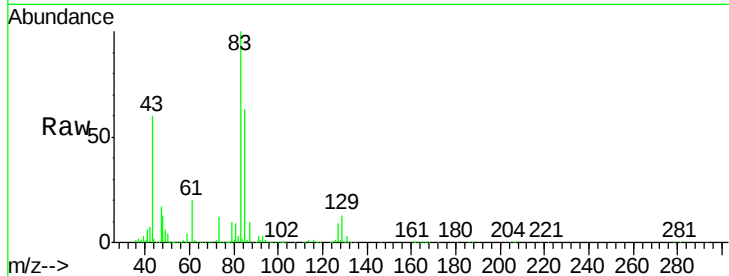
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	385736
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.4	77.0
127	9.1	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.369 ug/l

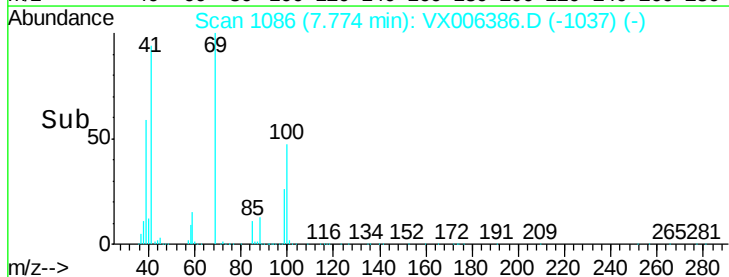
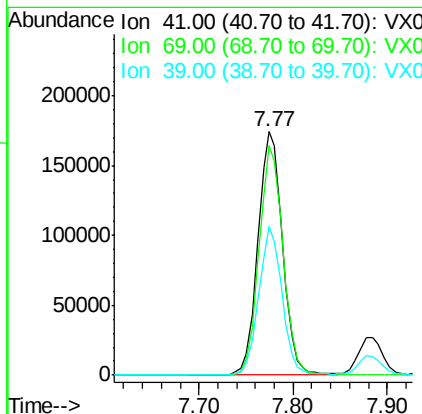
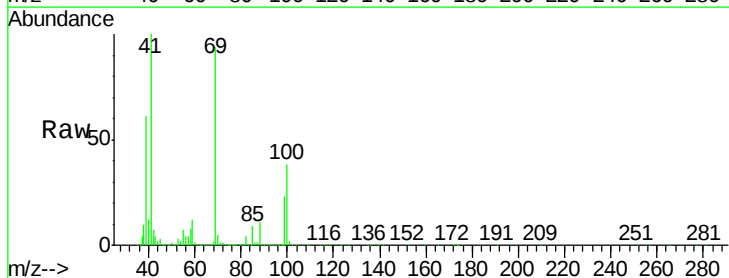
RT: 7.77 min Scan# 1086

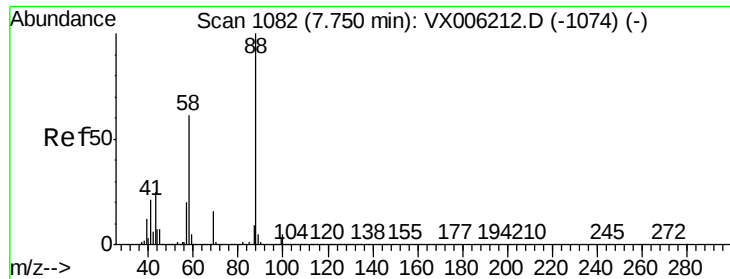
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	41	Resp:	320239
Ion Ratio	Lower	Upper	
41	100		
69	92.5	70.3	105.5
39	57.9	45.3	67.9





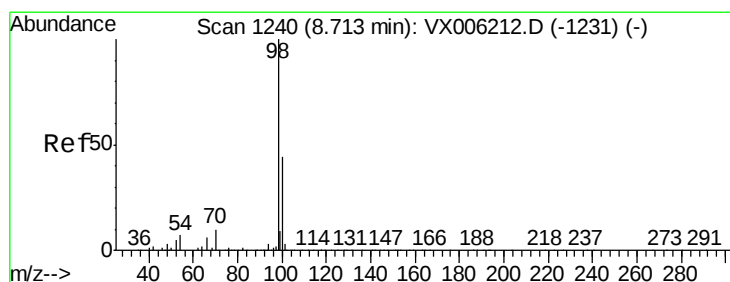
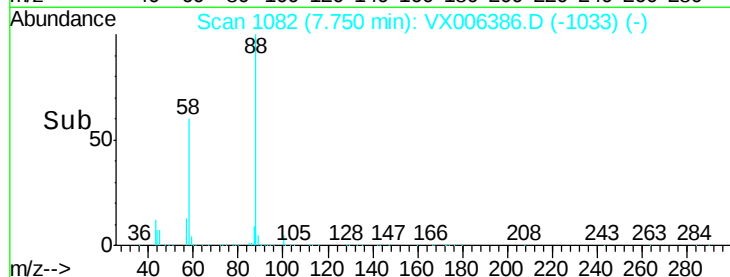
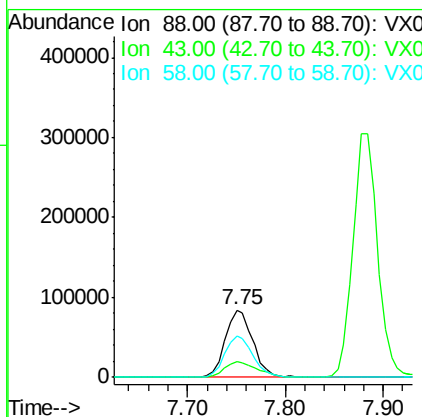
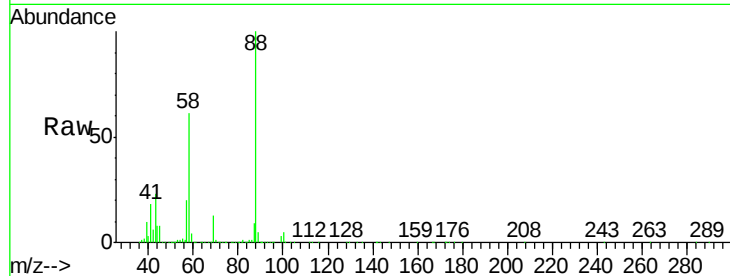
#49
1,4-Dioxane
Concen: 959.633 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	23.2	34.8
58	62.9	51.4	77.0

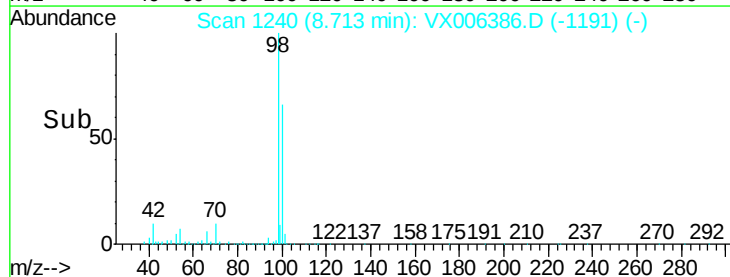
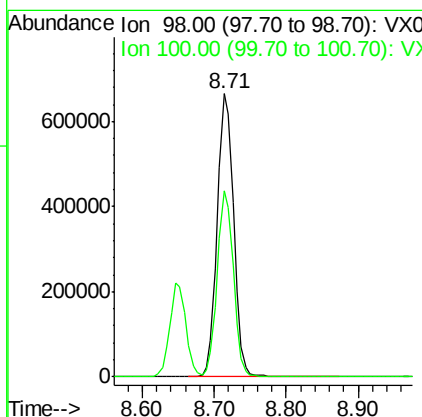
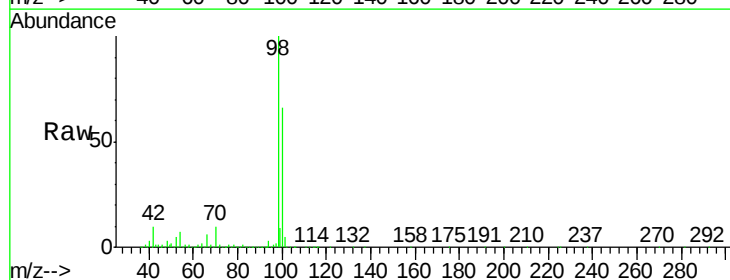
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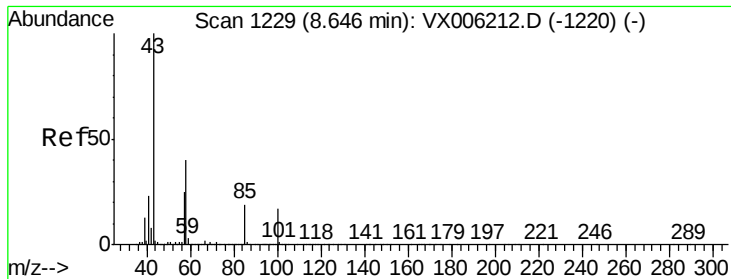
MMDadoda
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#50
Toluene-d8
Concen: 49.360 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 238.120 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1967888

Ion Ratio Lower Upper

43 100

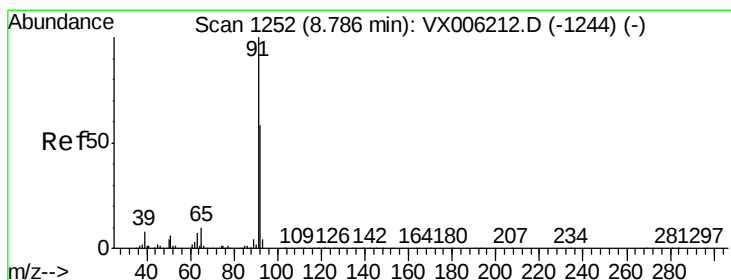
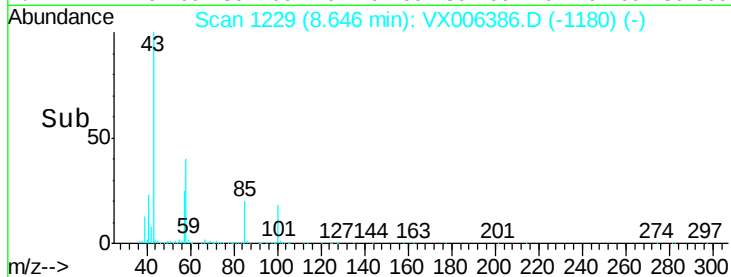
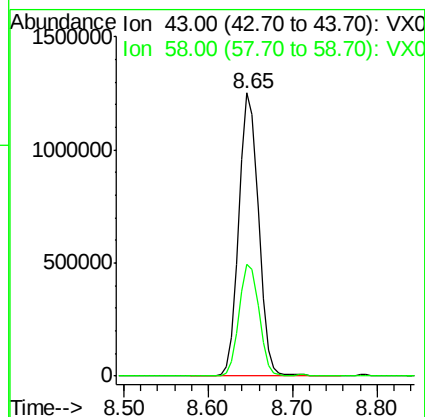
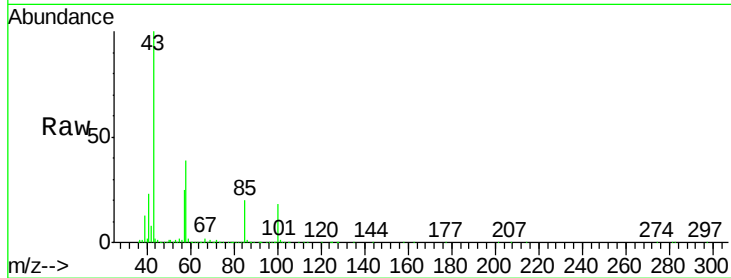
58 39.9 31.3 46.9

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#52

Toluene

Concen: 48.953 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006386.D

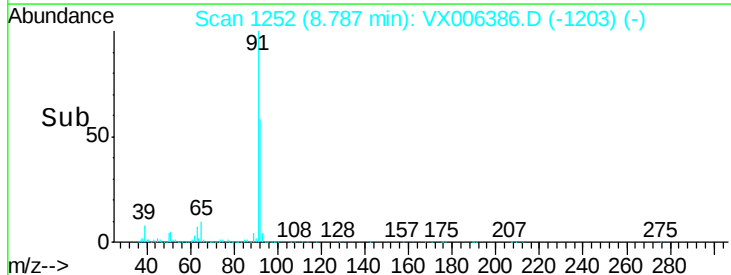
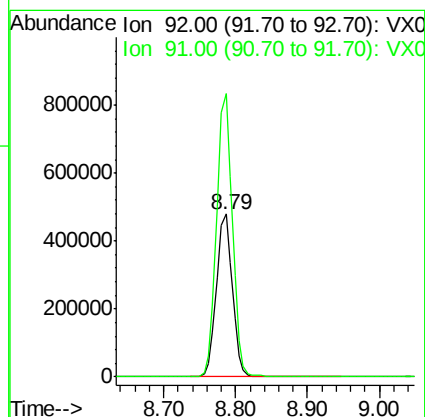
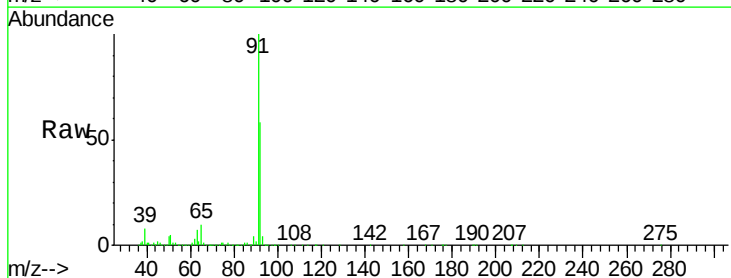
Acq: 10 Dec 2018 22:52

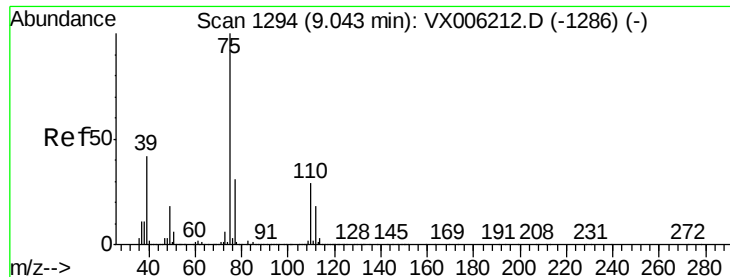
Tgt Ion: 92 Resp: 733407

Ion Ratio Lower Upper

92 100

91 173.2 139.2 208.8





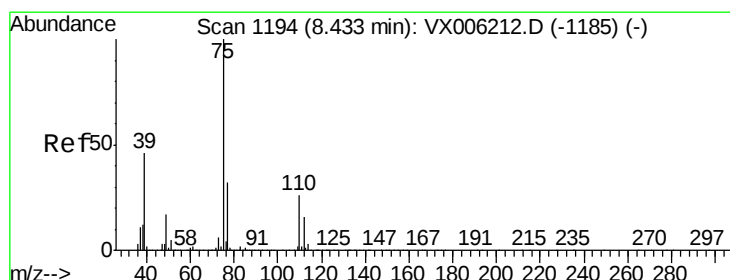
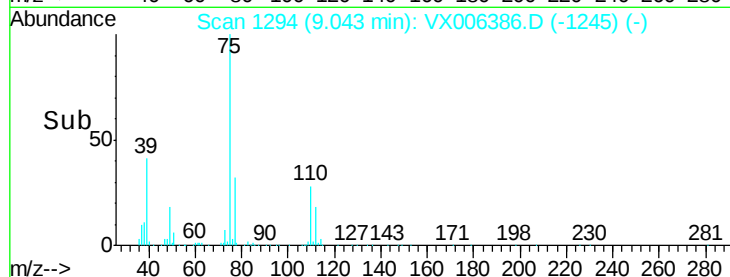
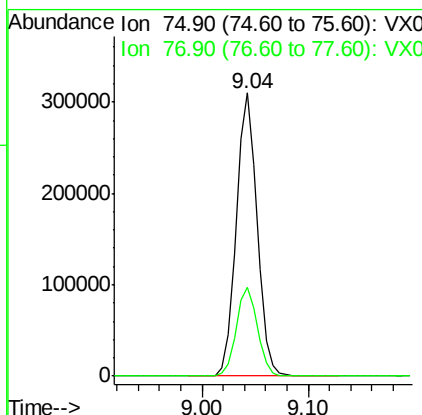
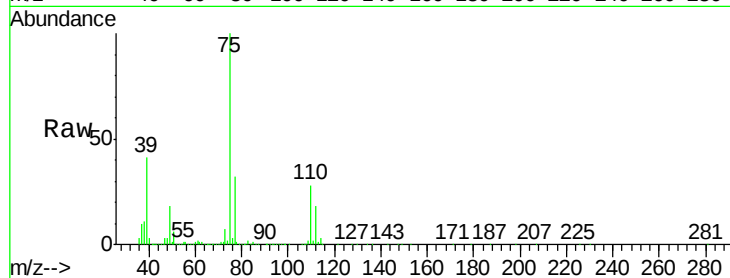
#53
t-1,3-Dichloropropene
Concen: 45.048 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4

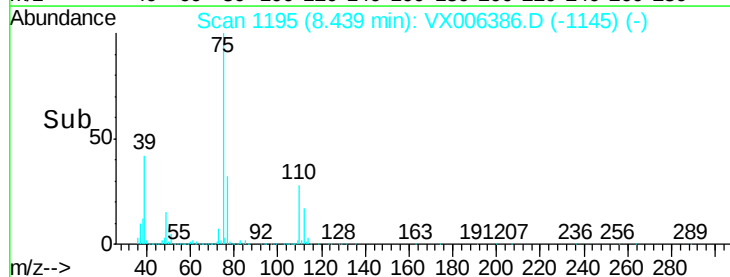
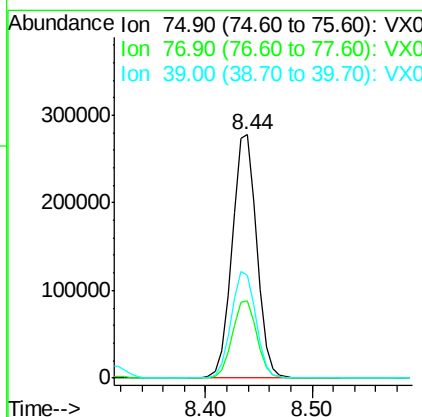
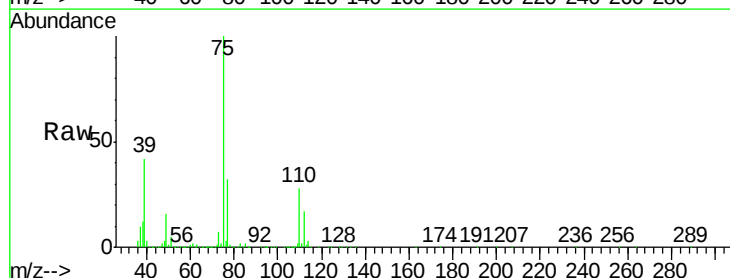
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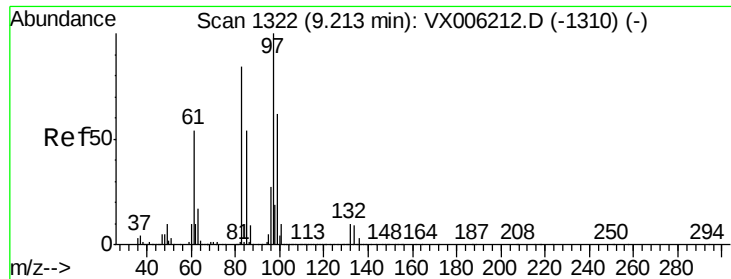
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.009 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	42.4	36.5	54.7





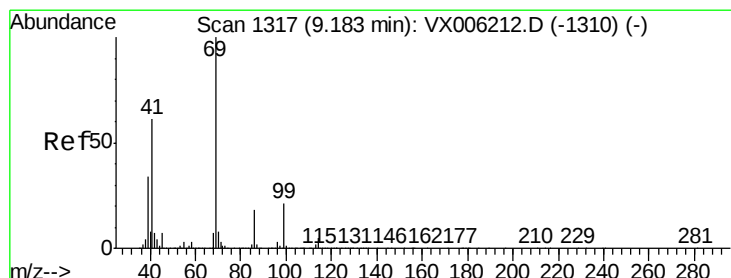
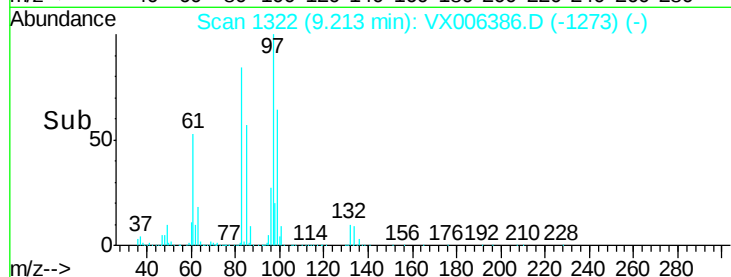
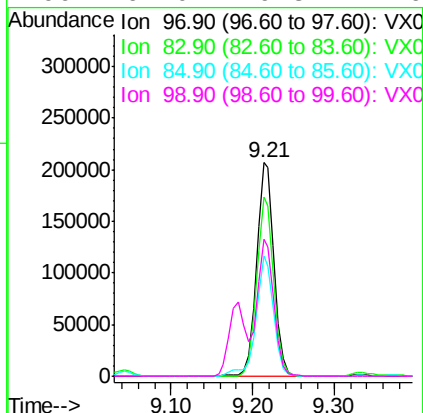
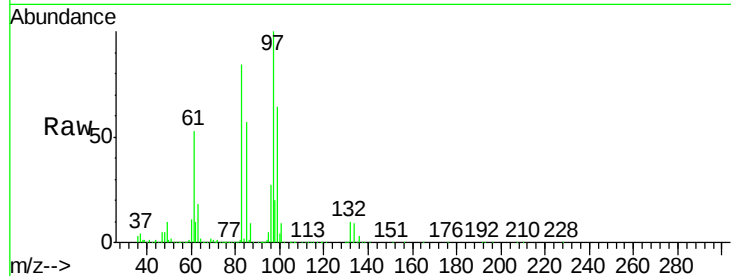
#55
 1,1,2-Trichloroethane
 Concen: 51.495 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		313421		
83	83.6	67.1	100.7		
85	56.5	43.2	64.8		
99	64.0	49.8	74.6		

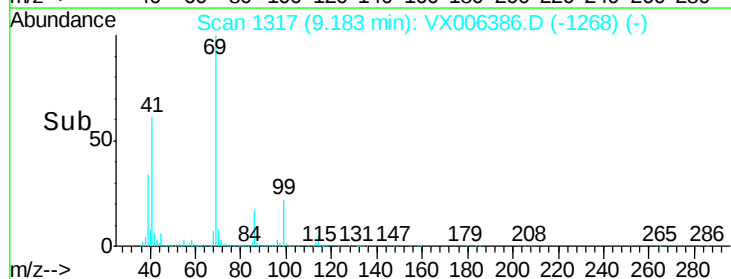
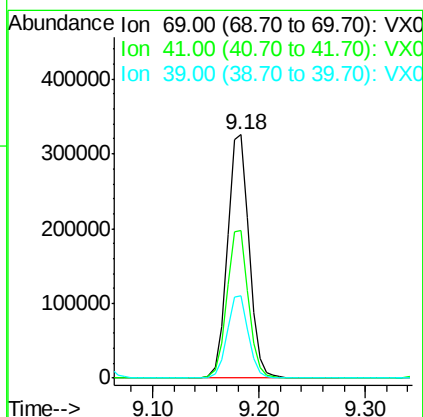
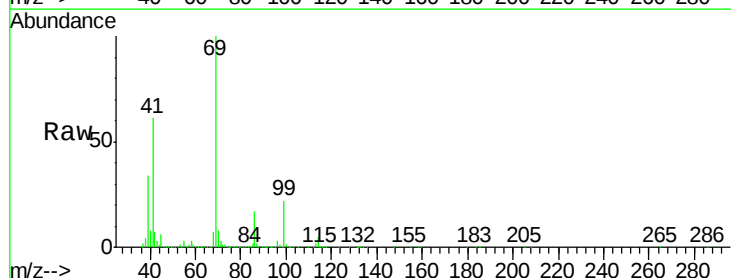
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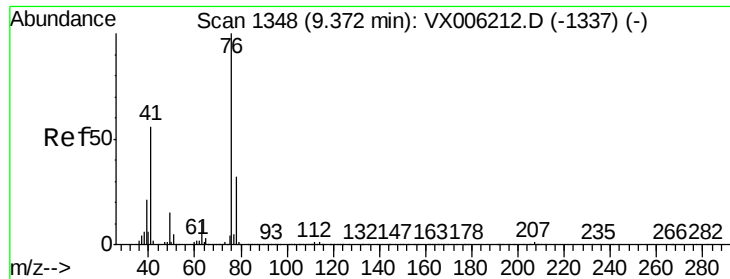
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#56
 Ethyl methacrylate
 Concen: 48.721 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		463587		
41	60.5	50.6	76.0		
39	33.4	27.6	41.4		





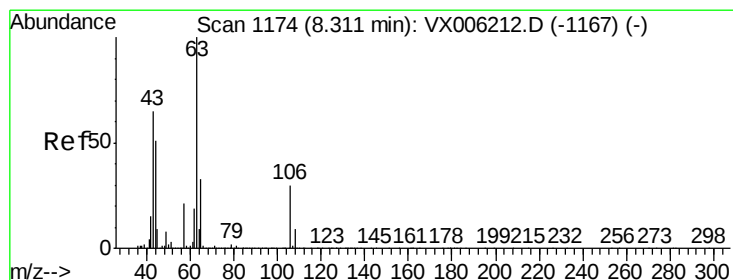
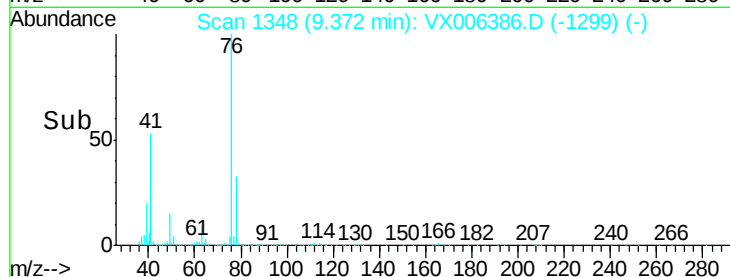
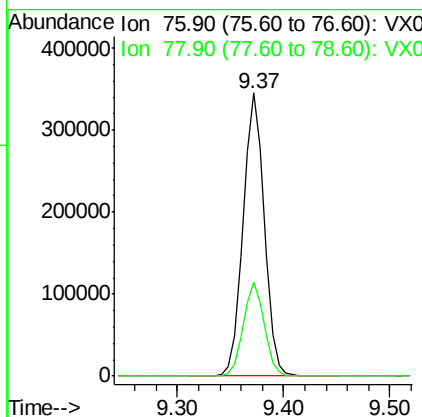
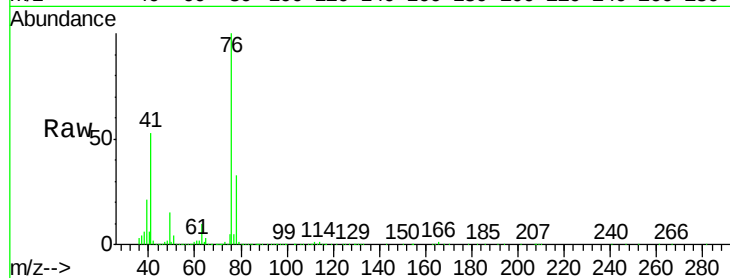
#57
 1,3-Dichloropropane
 Concen: 50.235 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

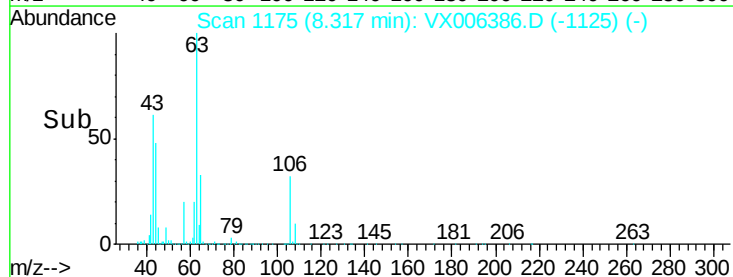
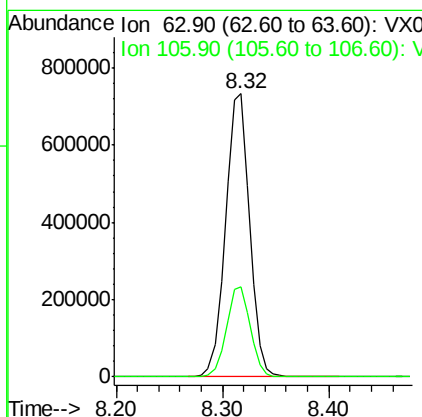
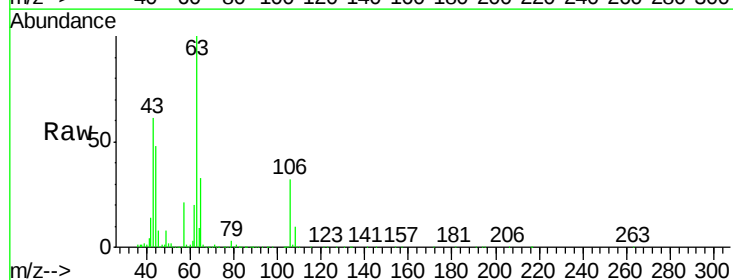
Manual Integrations
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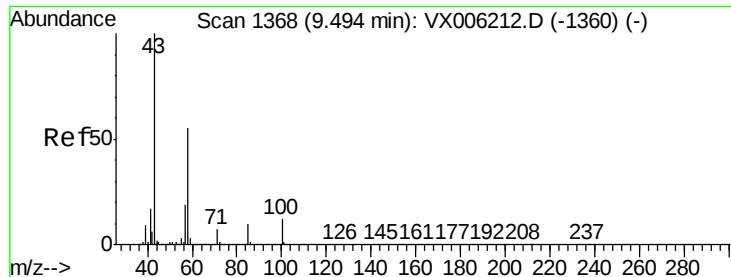
MMDadoda
 12/11/2018 10:54:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.808 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	24.9	37.3





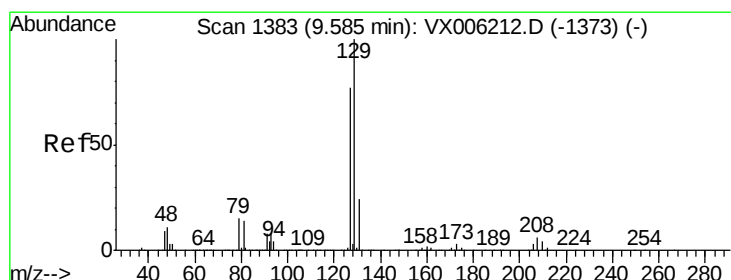
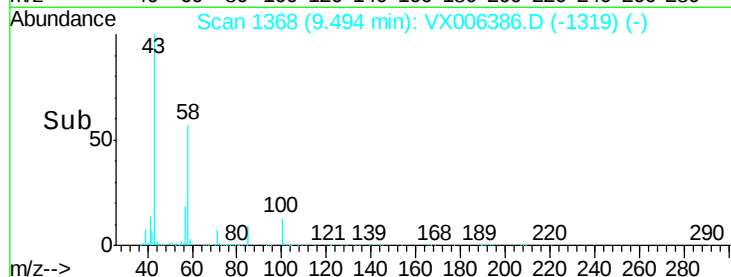
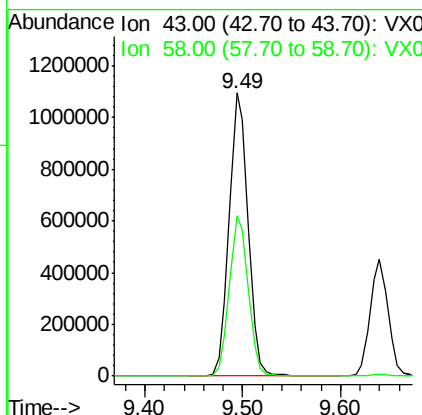
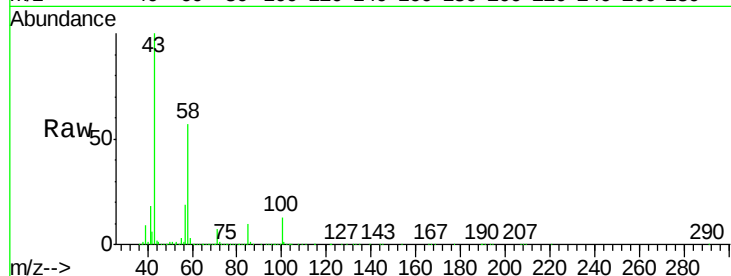
#59
2-Hexanone
Concen: 233.148 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1472079
Ion Ratio Lower Upper
43 100
58 56.8 27.7 83.1

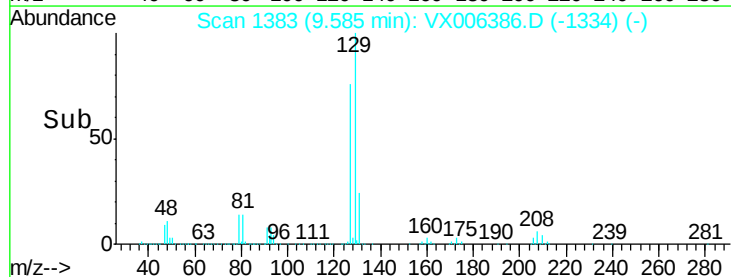
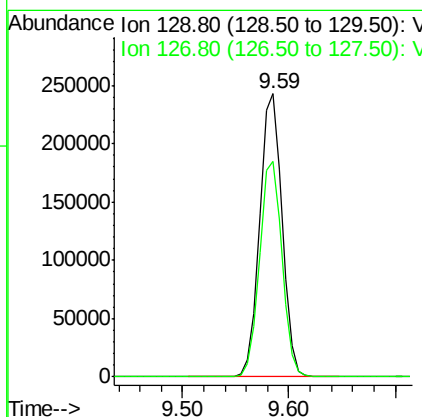
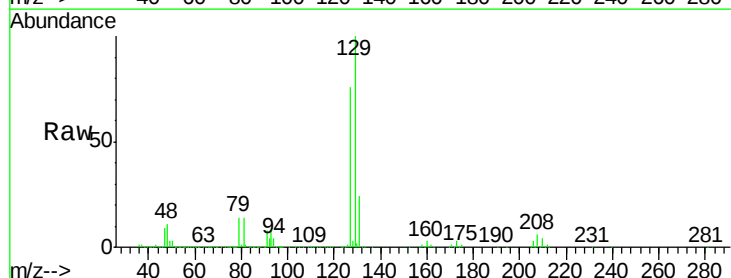
Manual Integrations
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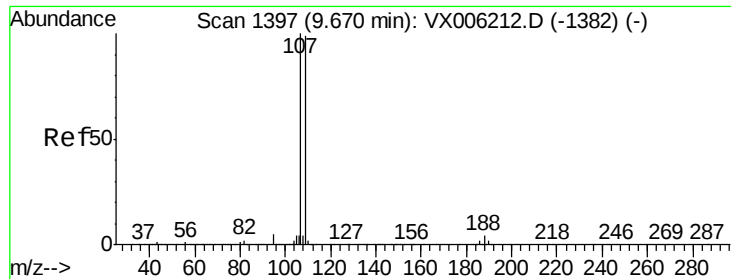
MMDadoda
12/11/2018 10:54:24 AM



#60
Dibromochloromethane
Concen: 47.763 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion: 129 Resp: 358472
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





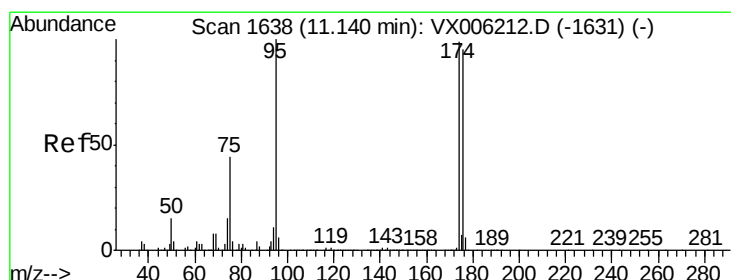
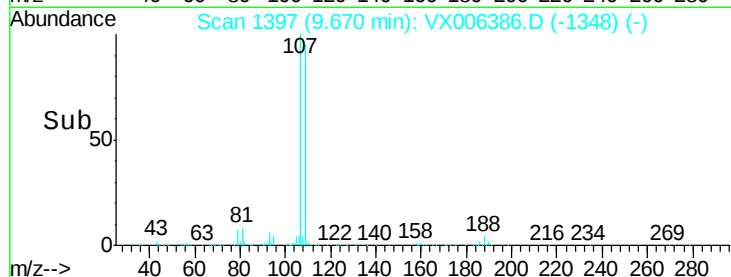
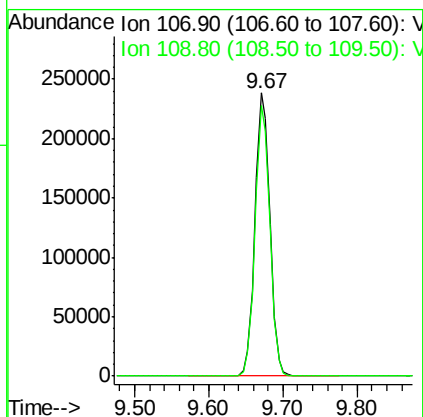
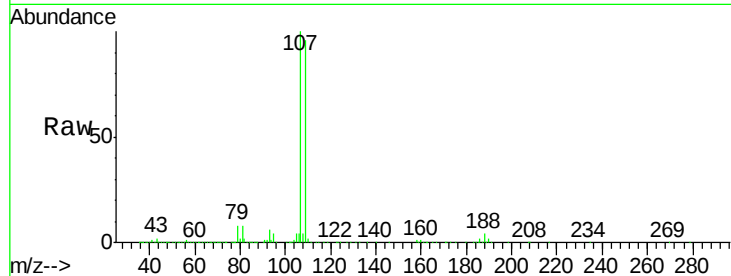
#61
 1,2-Dibromoethane
 Concen: 49.619 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.3	114.5

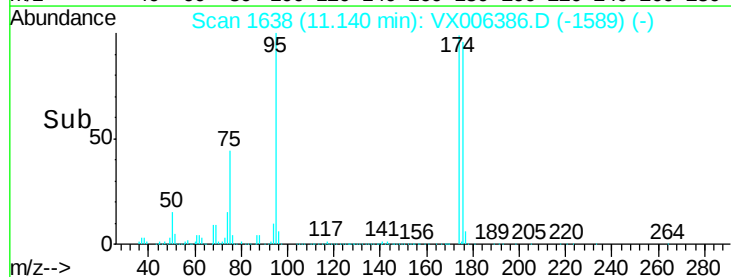
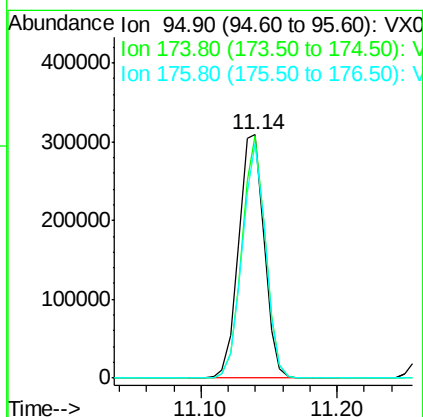
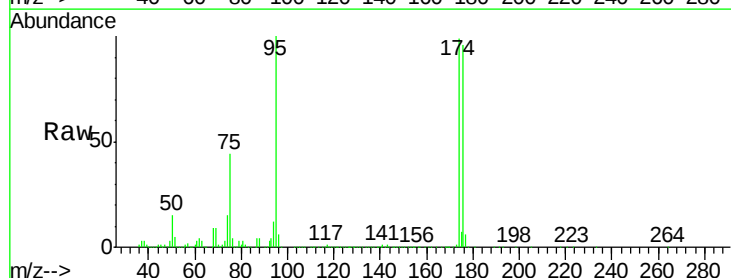
Manual Integrations
 APPROVED

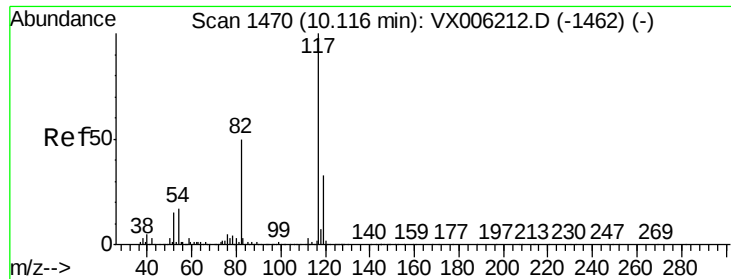
MMDadoda
 12/11/2018 10:54:24 AM



#62
 4-Bromofluorobenzene
 Concen: 50.267 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	187.0
176	88.8	0.0	181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

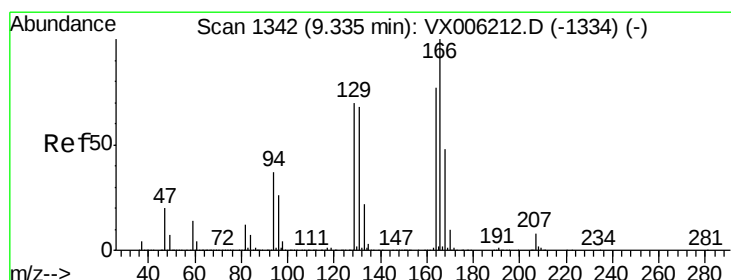
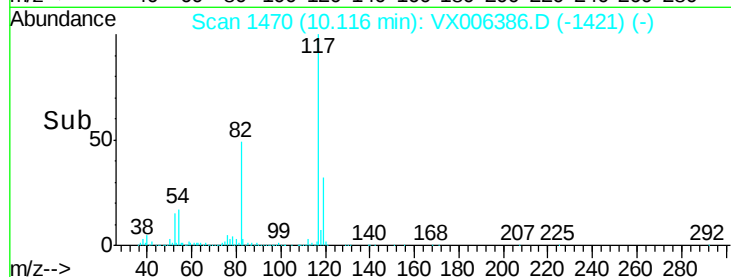
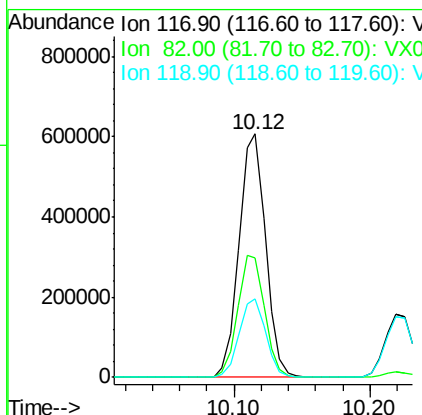
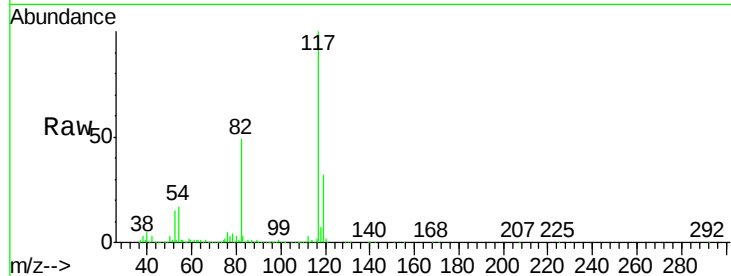
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	824432
Ion Ratio	Lower	Upper	
117	100		
82	48.8	39.6	59.4
119	32.2	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.799 ug/l

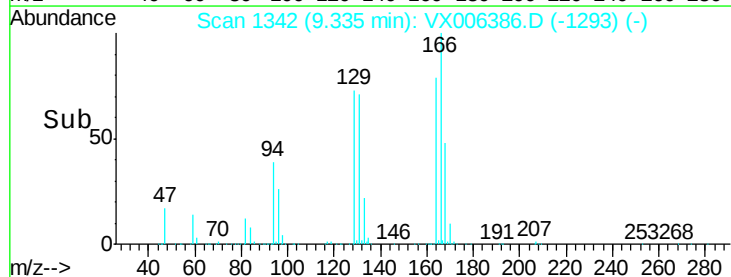
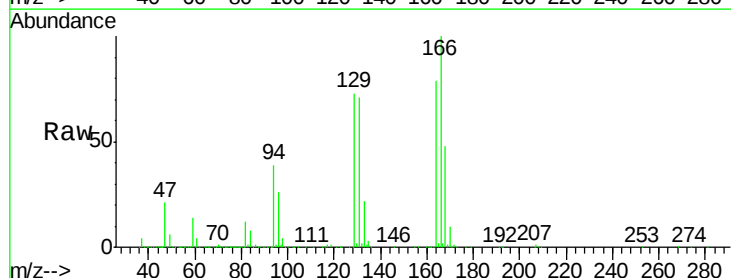
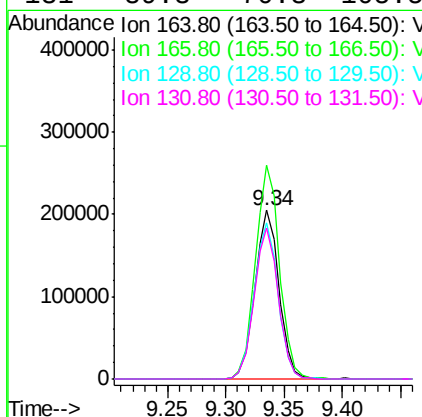
RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	164	Resp:	296768
Ion Ratio	Lower	Upper	
164	100		
166	126.6	104.2	156.2
129	92.8	72.6	108.8
131	89.3	70.3	105.5





#65

Chlorobenzene

Concen: 50.023 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 875444

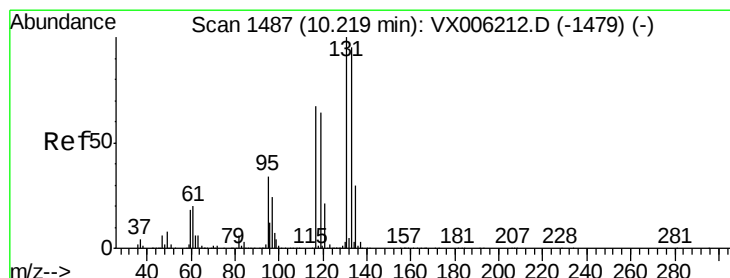
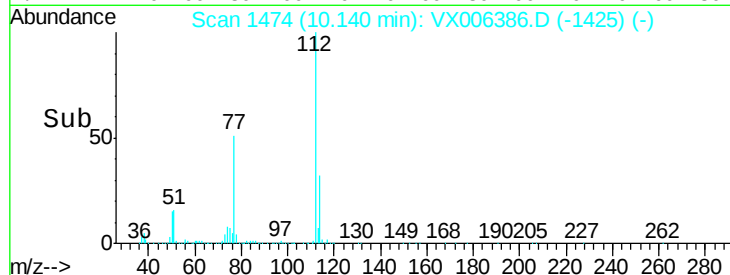
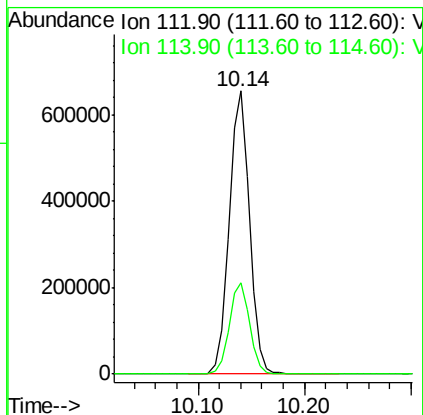
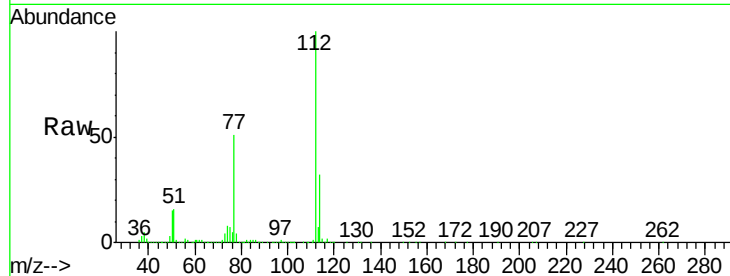
Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.424 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

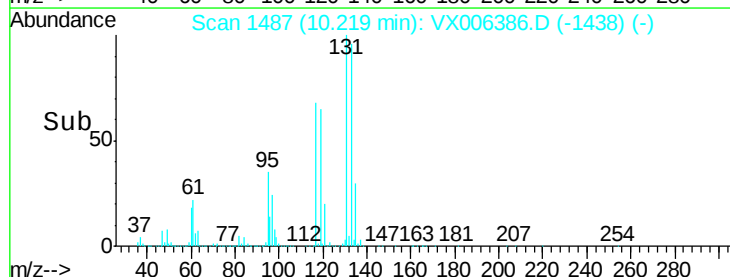
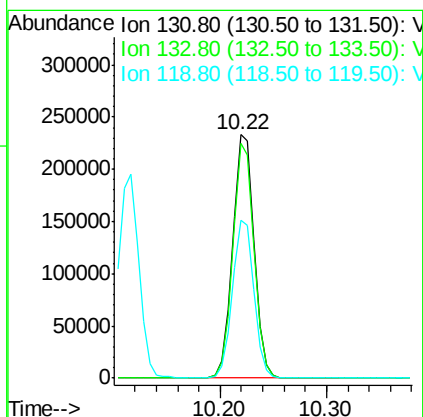
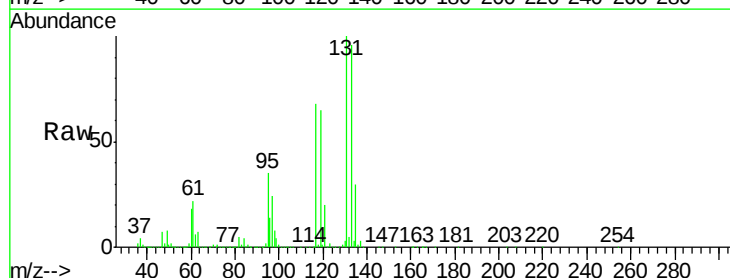
Tgt Ion:131 Resp: 329266

Ion Ratio Lower Upper

131 100

133 95.0 48.1 144.4

119 65.1 32.1 96.3





#67

Ethyl Benzene

Concen: 48.855 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1422039

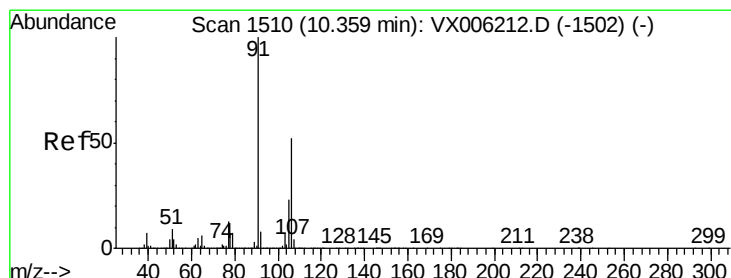
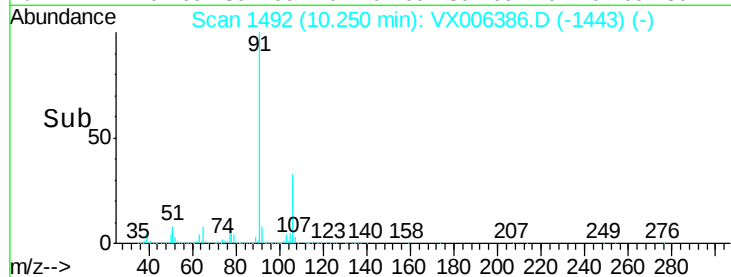
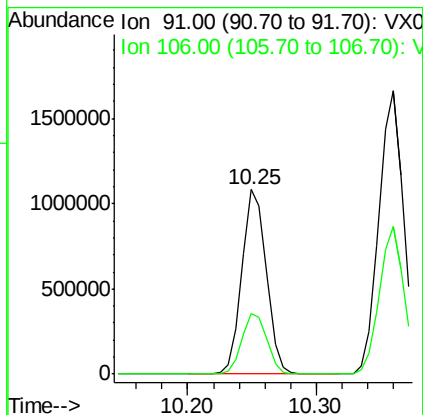
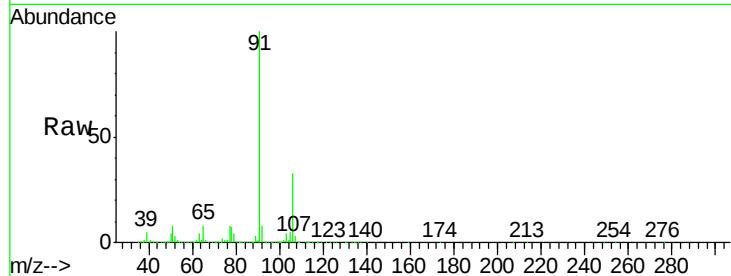
Ion Ratio Lower Upper

91 100

106 33.0 26.5 39.7

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#68

m/p-Xylenes

Concen: 97.633 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006386.D

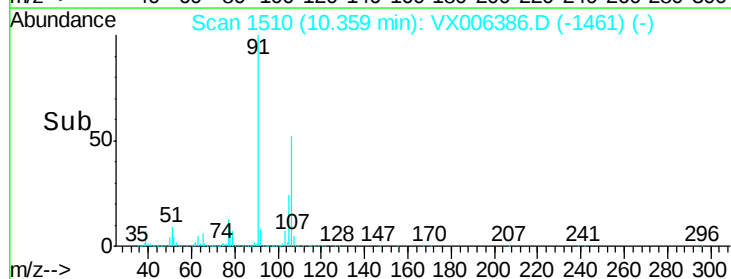
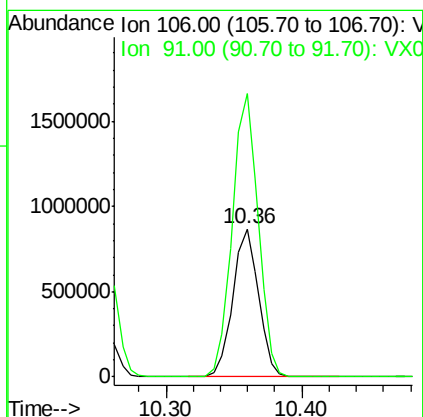
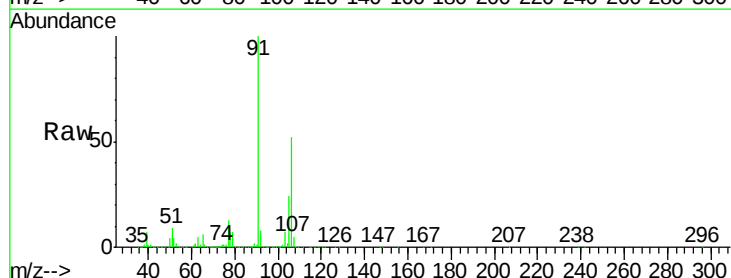
Acq: 10 Dec 2018 22:52

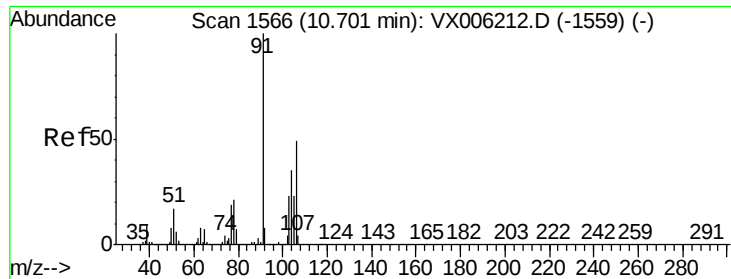
Tgt Ion: 106 Resp: 1138366

Ion Ratio Lower Upper

106 100

91 193.4 155.2 232.8





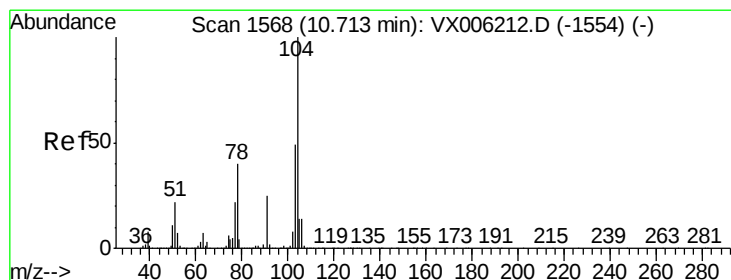
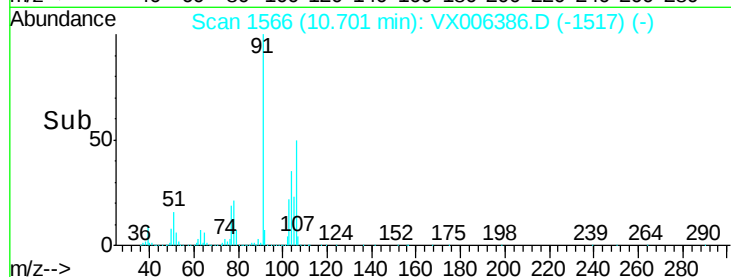
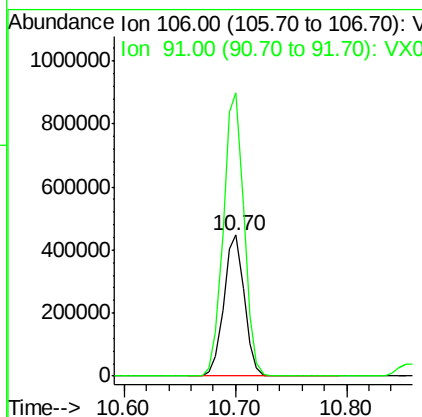
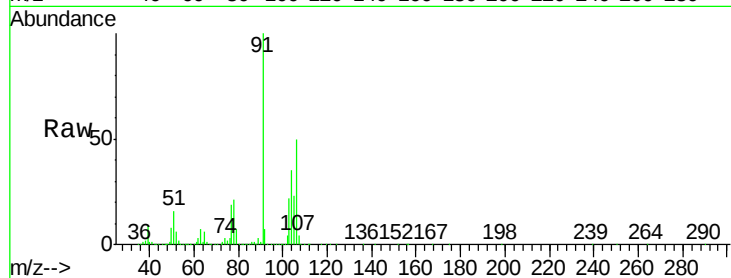
#69
o-Xylene
Concen: 49.247 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	567179		
91	202.9	101.8	305.6	

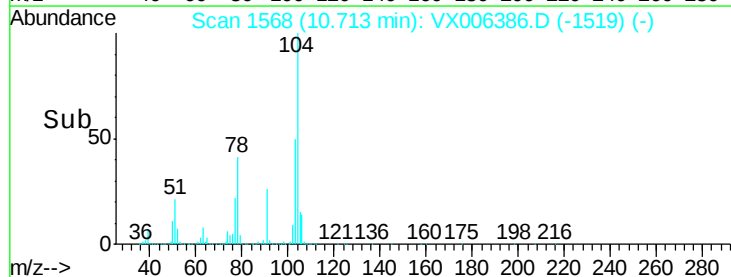
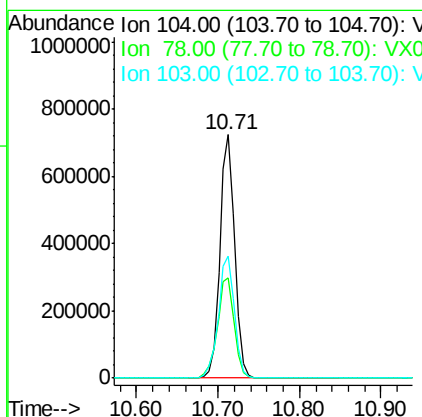
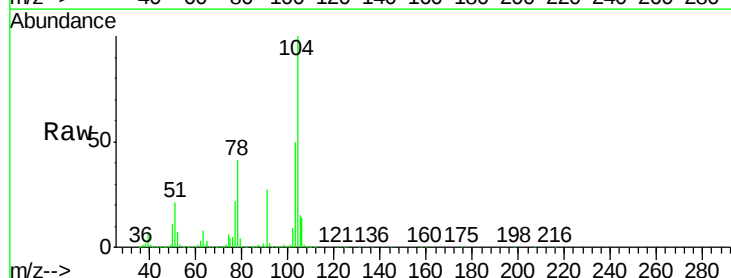
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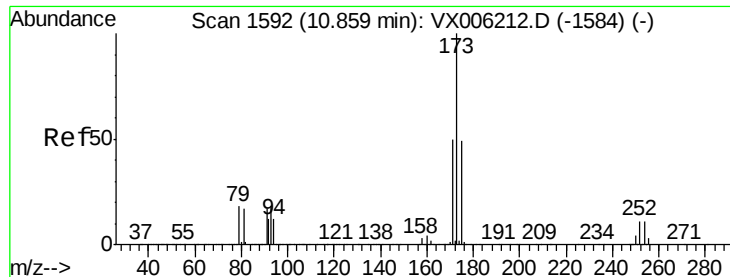
MMDadoda
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#70
Styrene
Concen: 49.336 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	918976		
78	47.4	37.2	55.8	
103	55.2	43.5	65.3	





#71

Bromoform

Concen: 43.377 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

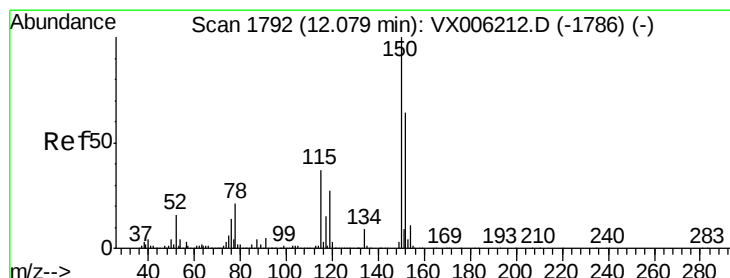
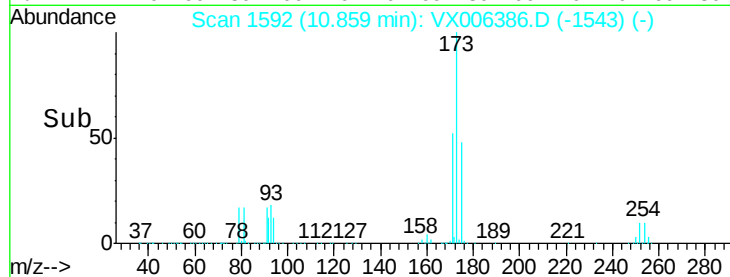
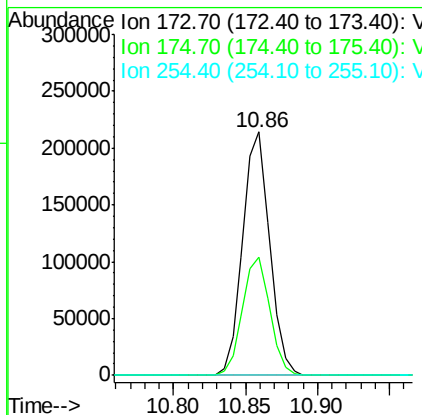
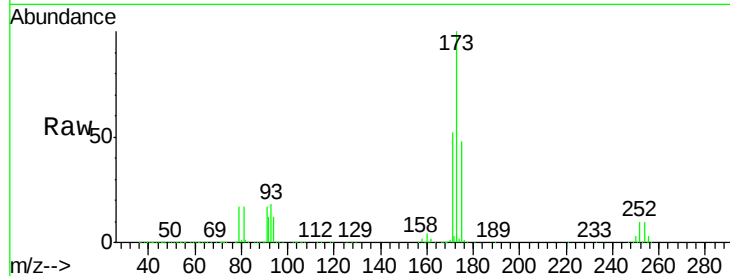
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	278431
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

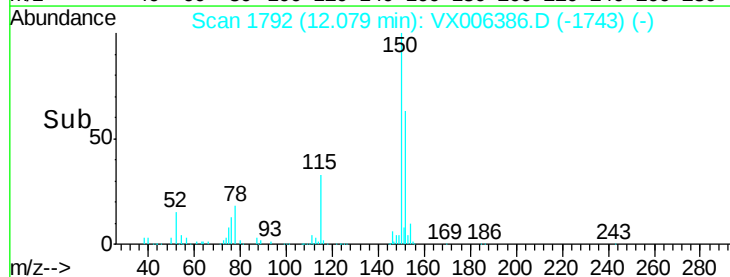
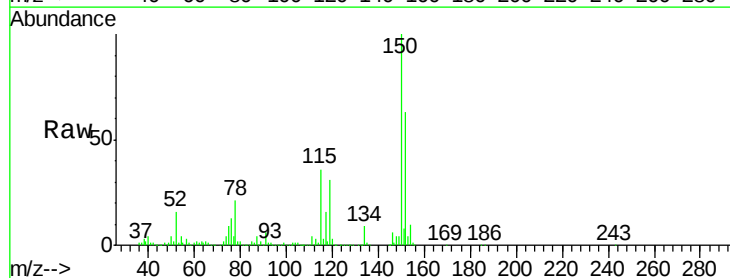
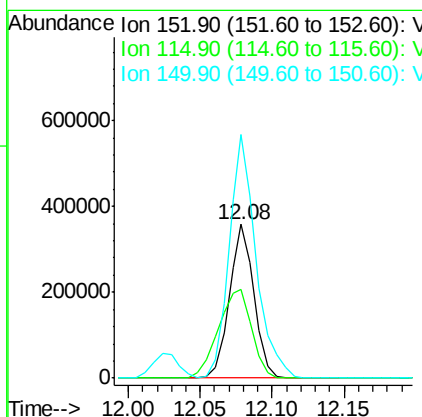
RT: 12.08 min Scan# 1792

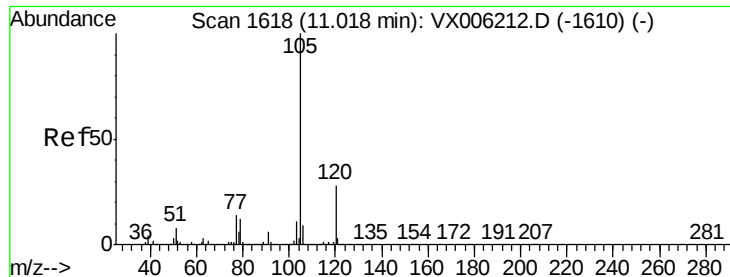
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	152	Resp:	425290
Ion Ratio	Lower	Upper	
152	100		
115	78.6	39.0	116.9
150	174.1	0.0	345.8





#73

Isopropylbenzene

Concen: 50.779 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1491385

Ion Ratio Lower Upper

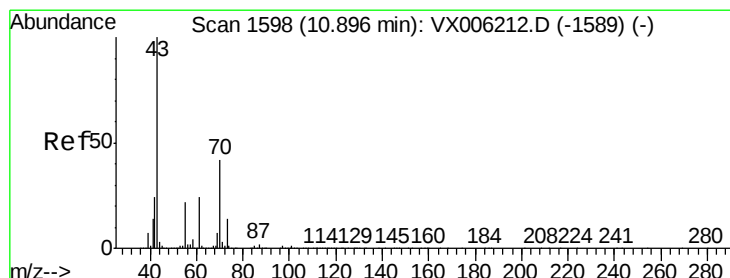
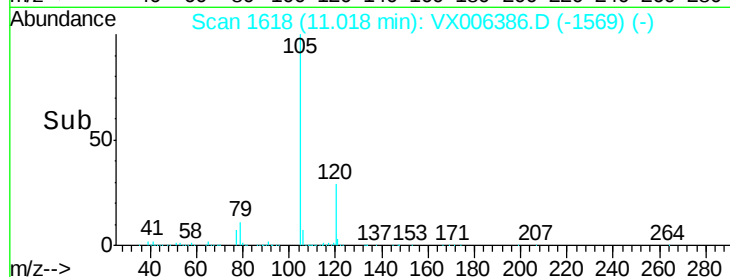
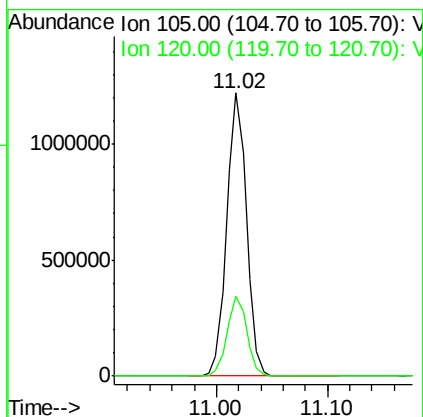
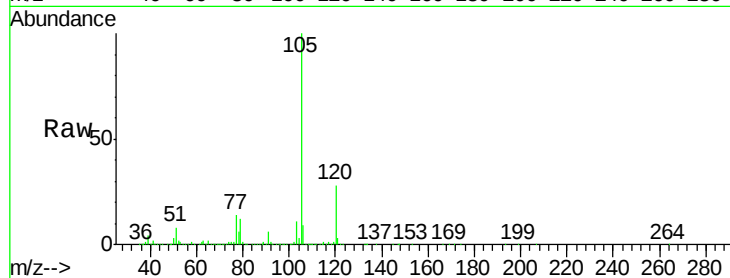
105 100

120 28.1 14.1 42.3

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#74

N-ethyl acetate

Concen: 45.336 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion: 43 Resp: 573385

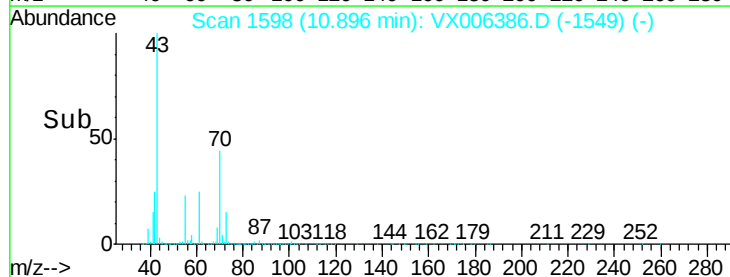
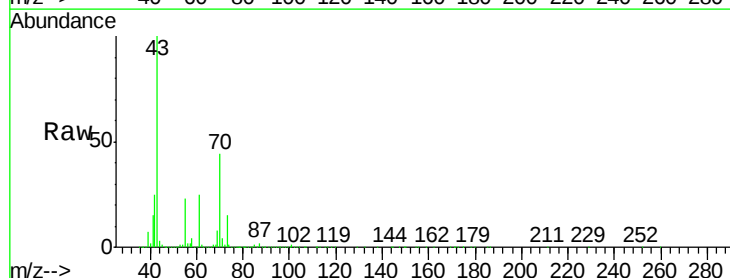
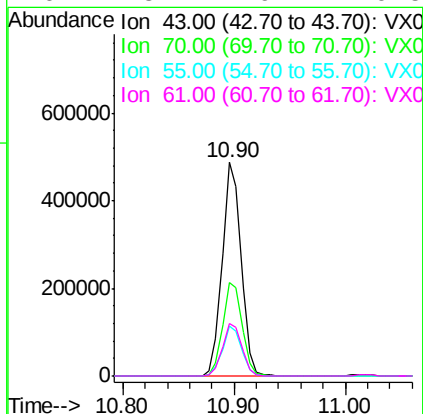
Ion Ratio Lower Upper

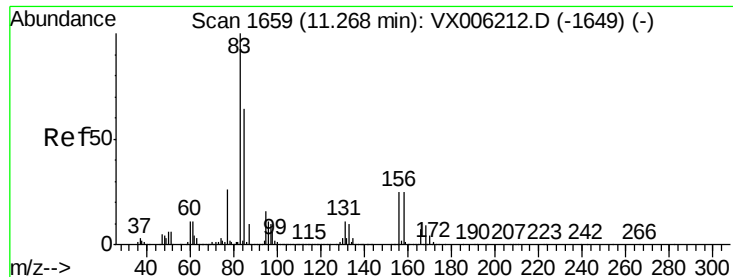
43 100

70 45.0 34.1 51.1

55 23.8 17.8 26.8

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.952 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

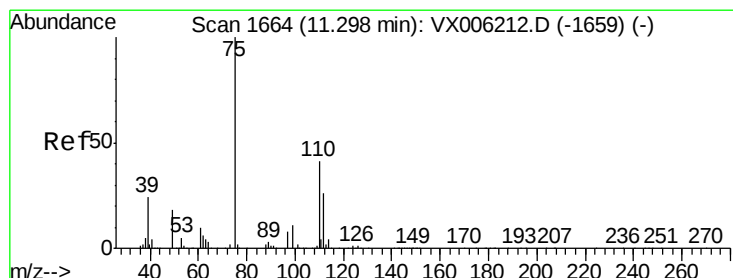
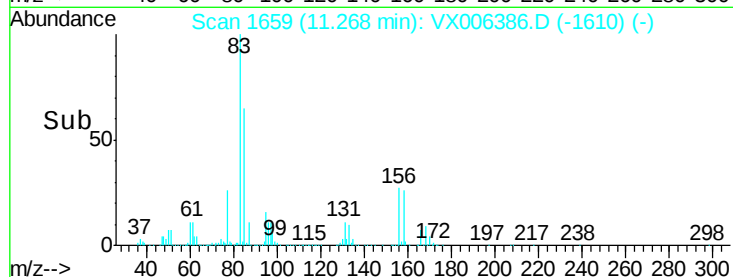
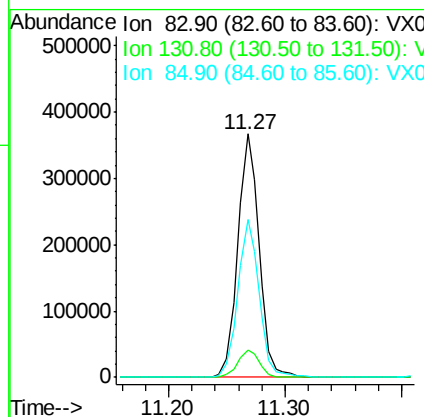
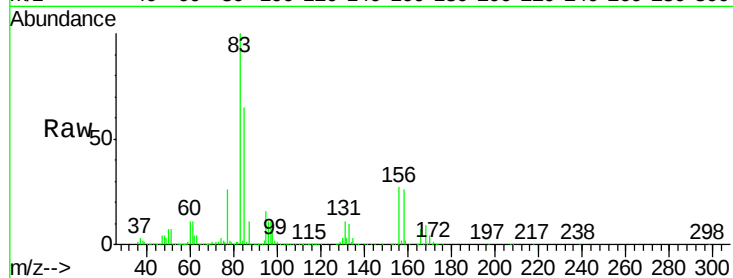
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	469354
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	64.7	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.635 ug/l m

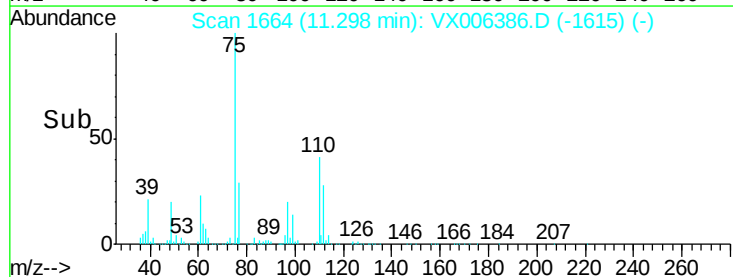
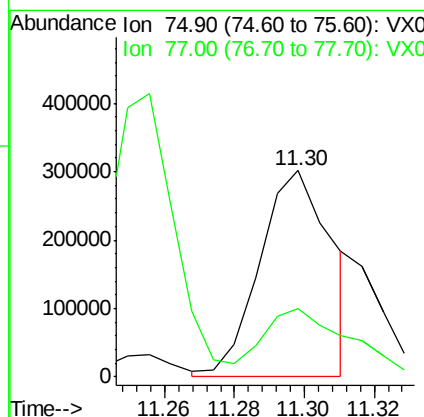
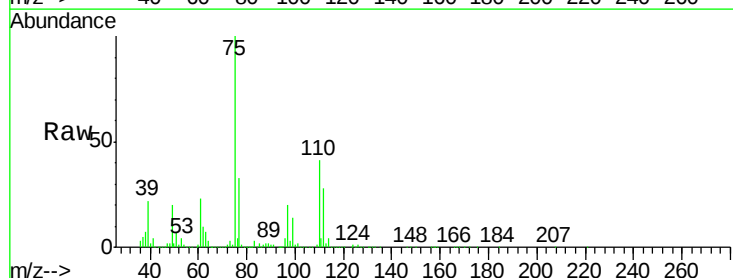
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	75	Resp:	432066
Ion Ratio	Lower	Upper	
75	100		
77	39.4	19.9	59.7





#77

Bromobenzene

Concen: 50.638 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

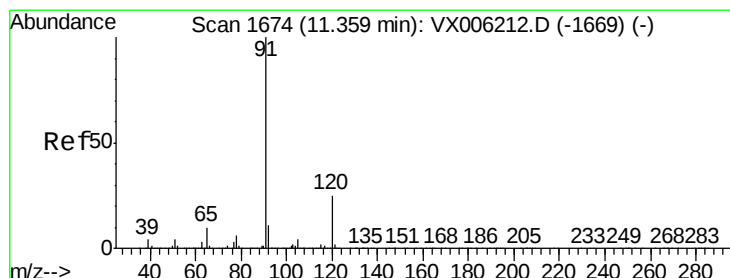
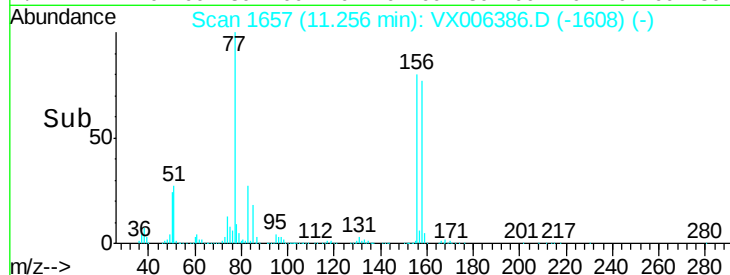
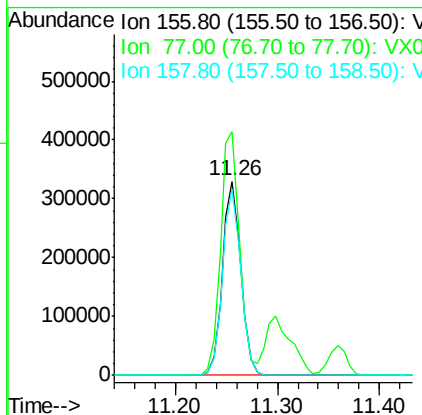
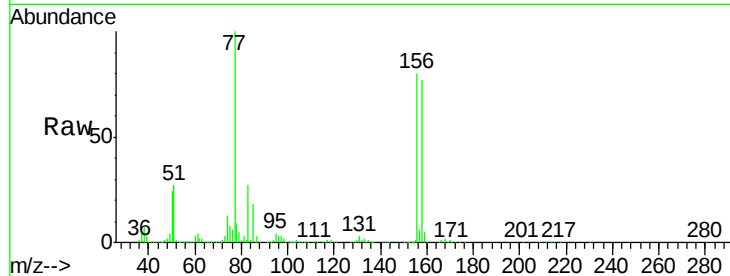
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.7	66.2	198.6
158	96.3	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.477 ug/l

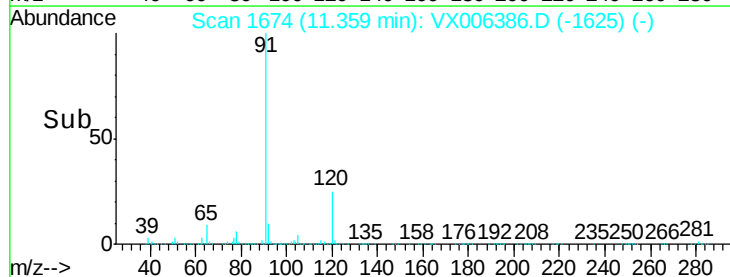
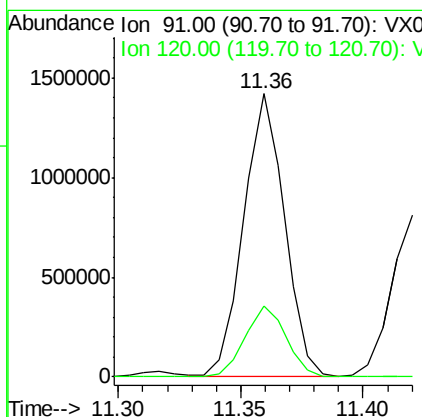
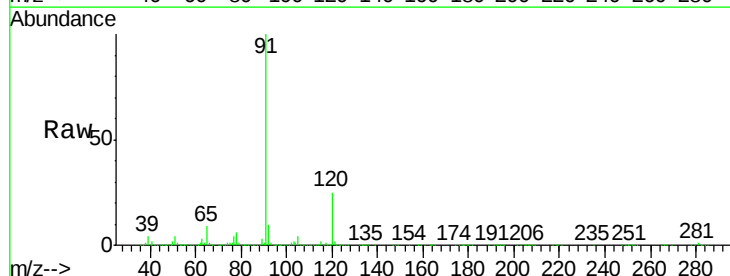
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 50.564 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 981172

Ion Ratio Lower Upper

91 100

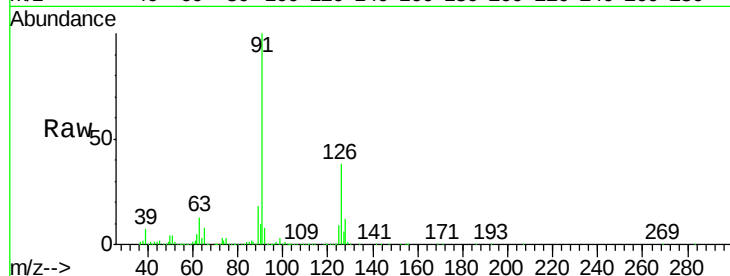
126 37.9 18.6 56.0

Manual Integrations

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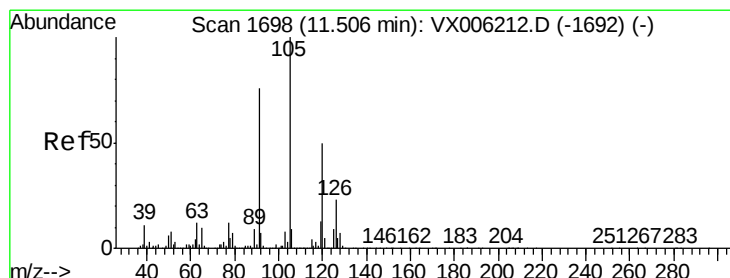
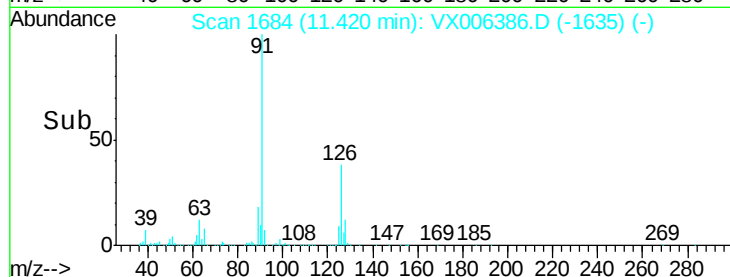
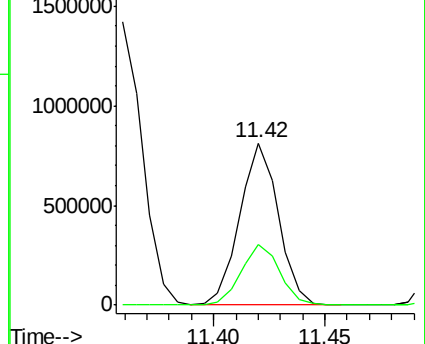
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.239 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006386.D

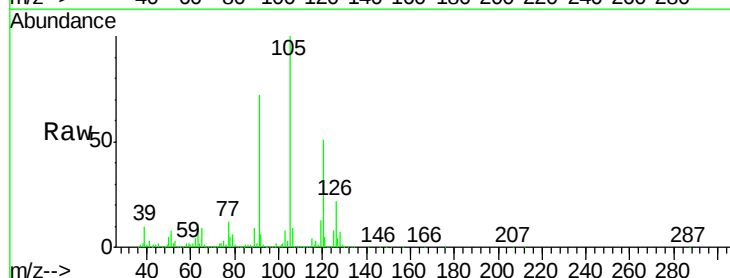
Acq: 10 Dec 2018 22:52

Tgt Ion:105 Resp: 1227672

Ion Ratio Lower Upper

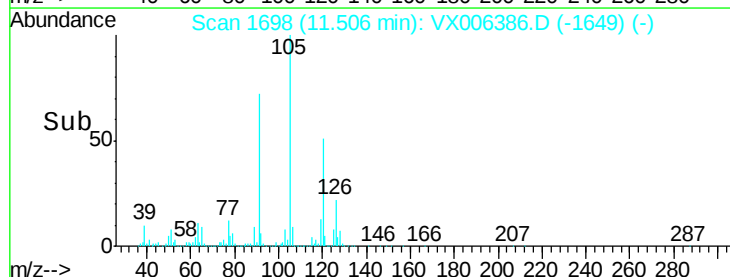
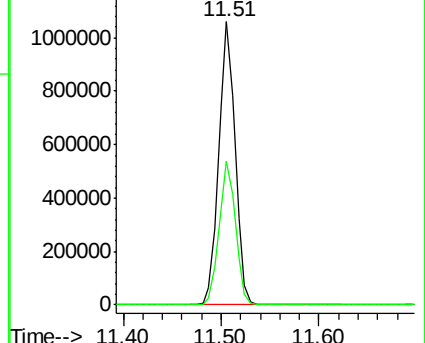
105 100

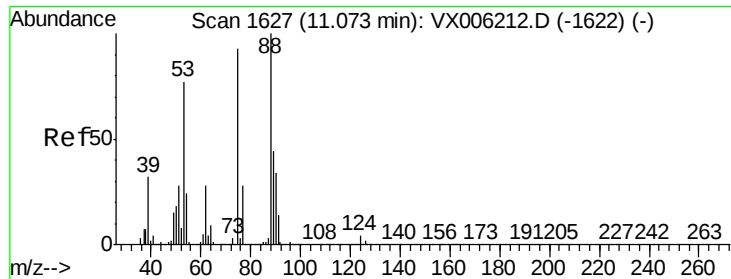
120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.795 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

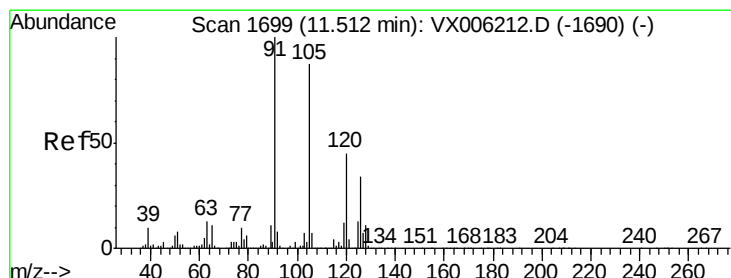
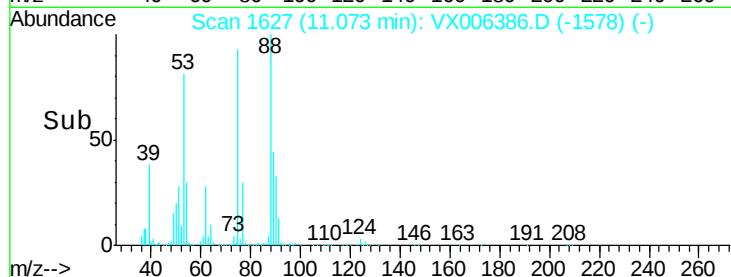
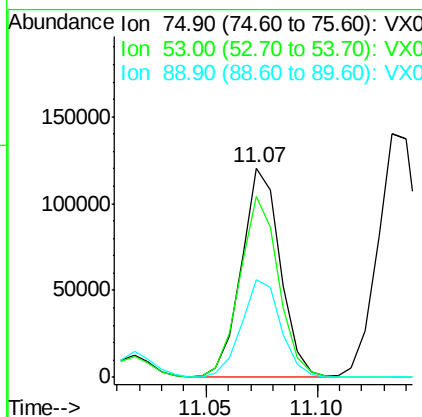
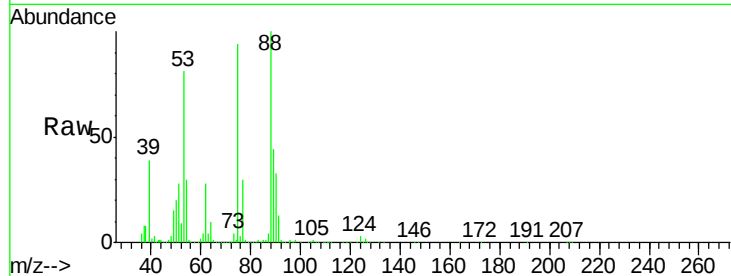
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	146199
Ion	Ratio	Lower	Upper
75	100		
53	86.5	64.4	96.6
89	47.3	44.2	66.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.046 ug/l

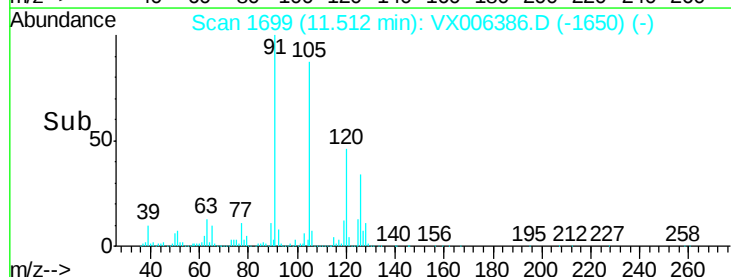
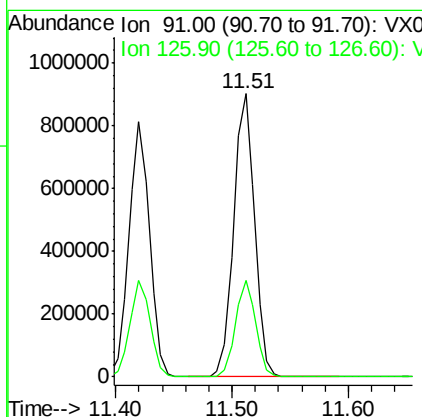
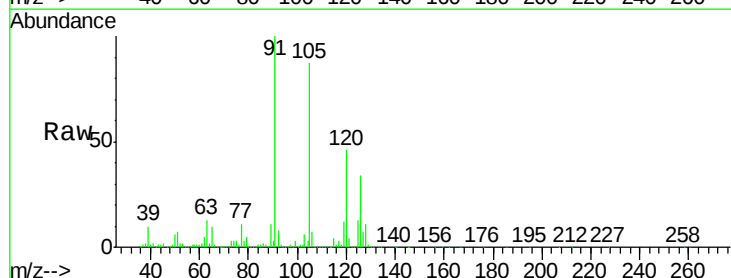
RT: 11.51 min Scan# 1699

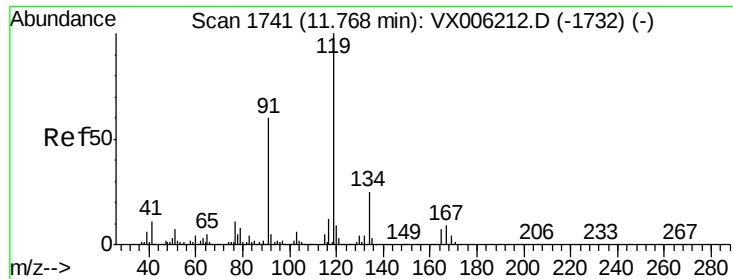
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	91	Resp:	1129082
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





#83

tert-Butylbenzene

Concen: 50.012 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

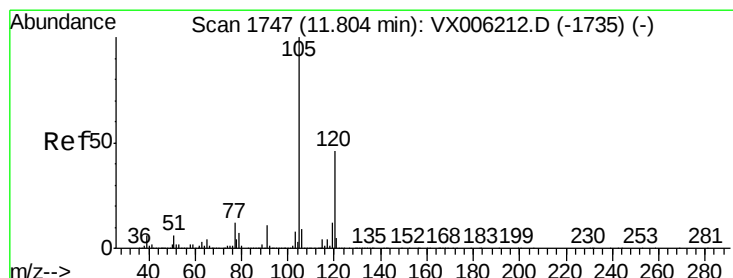
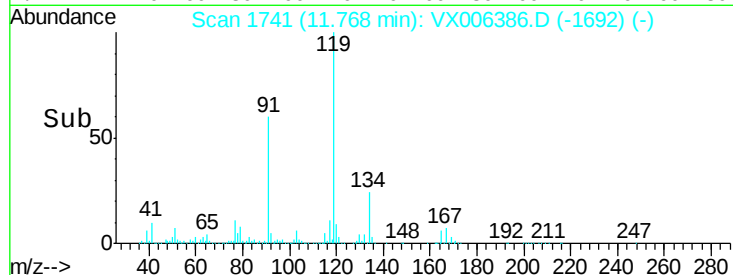
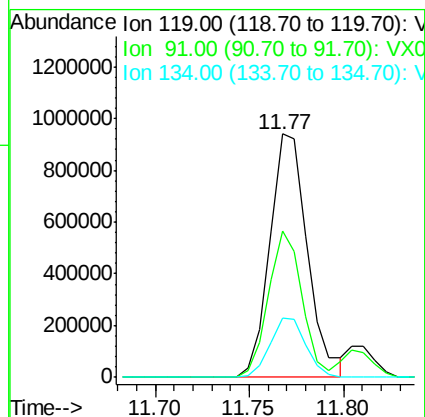
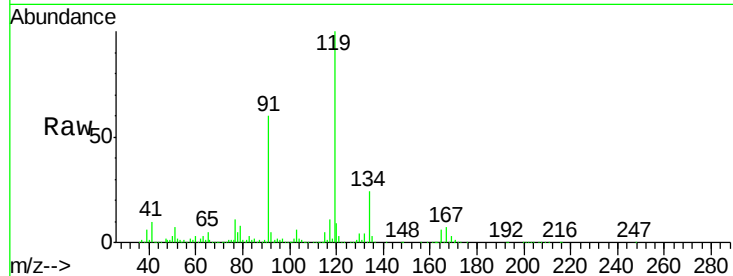
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	1303962
Ion	Ratio	Lower	Upper
119	100		
91	53.7	26.4	79.2
134	23.4	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 50.090 ug/l

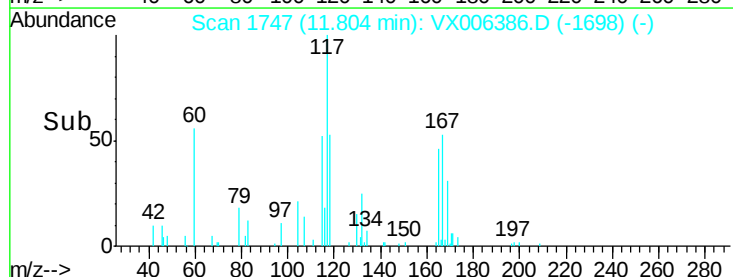
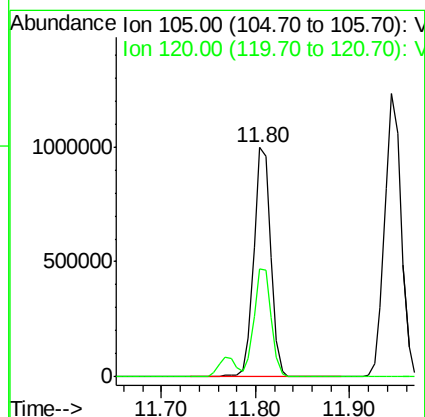
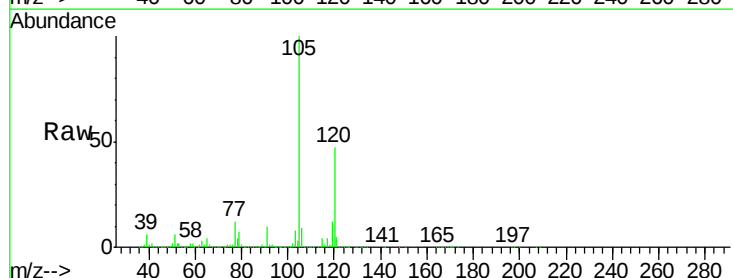
RT: 11.80 min Scan# 1747

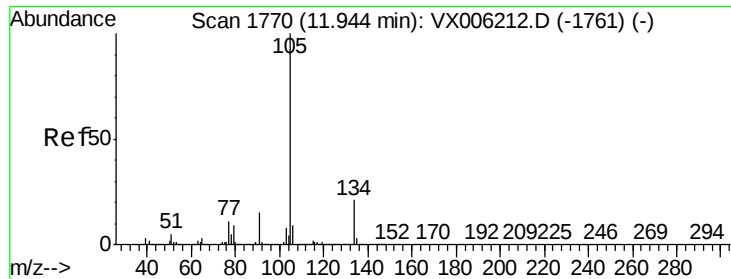
Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	105	Resp:	1263931
Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.0





#85

sec-Butylbenzene

Concen: 50.818 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1507333

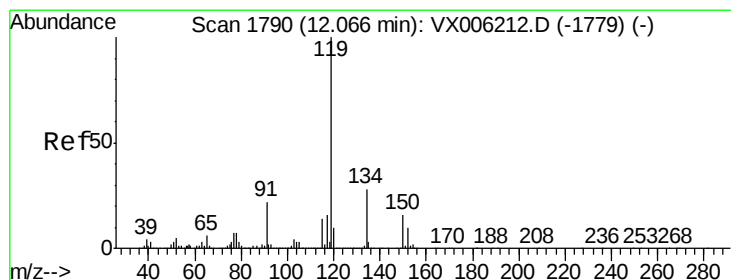
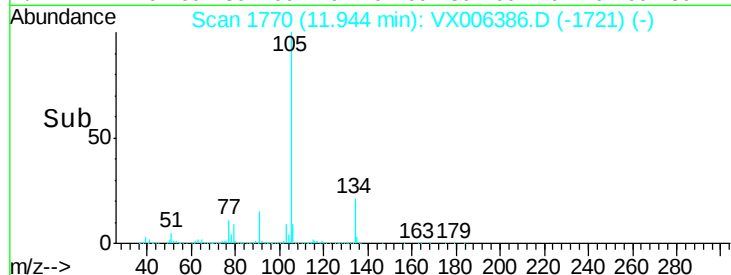
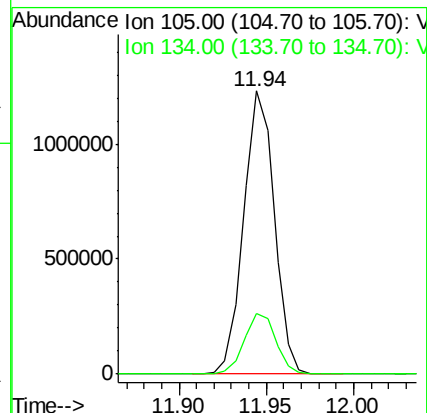
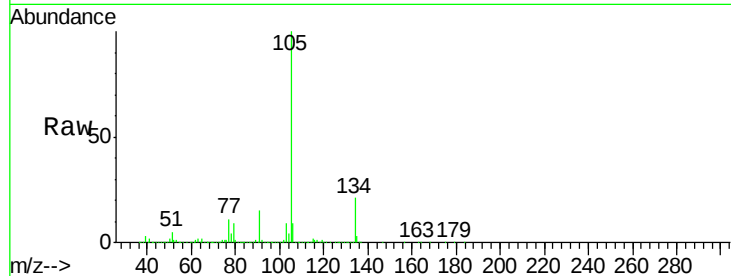
Ion Ratio Lower Upper

105 100

134 21.9 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 50.679 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

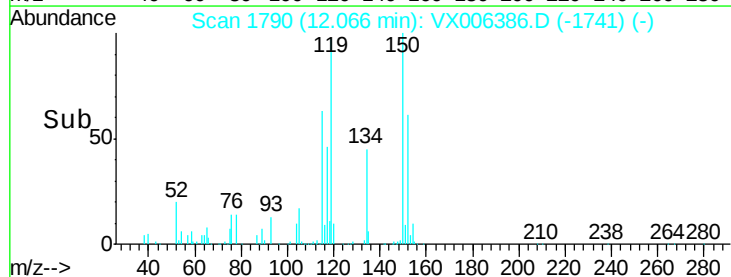
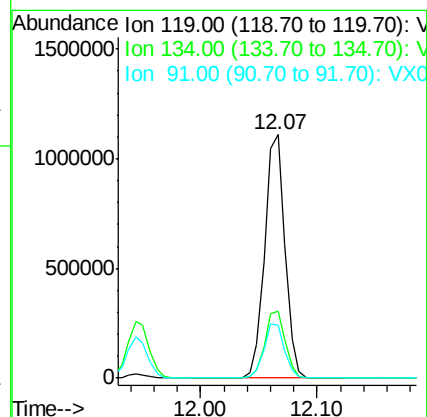
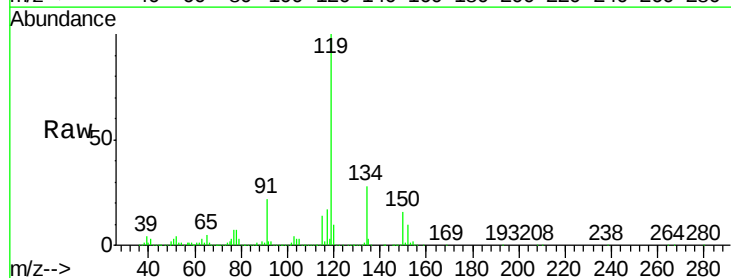
Tgt Ion:119 Resp: 1353600

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.6

91 22.4 11.3 33.8





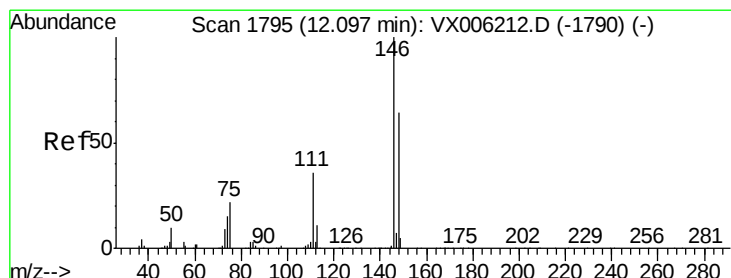
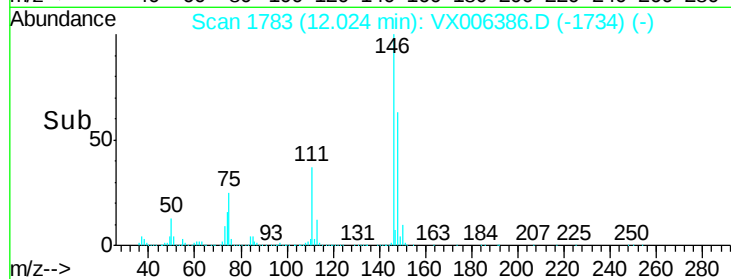
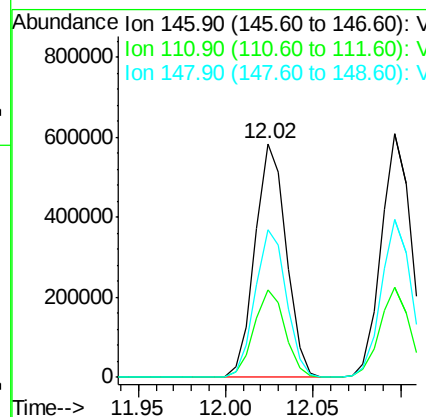
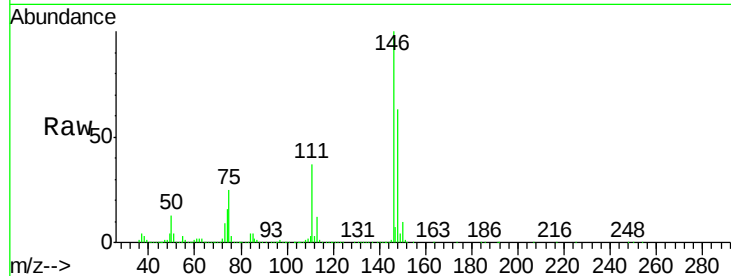
#87
 1,3-Dichlorobenzene
 Concen: 50.045 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.2
148	63.4	32.0	96.0

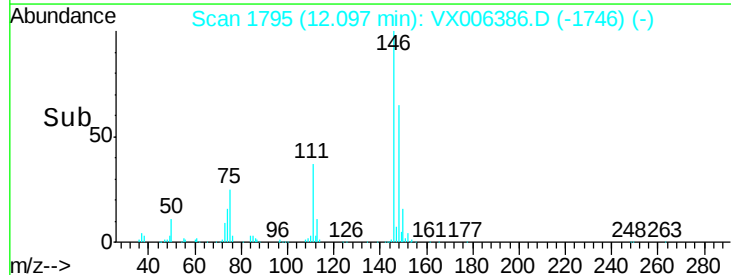
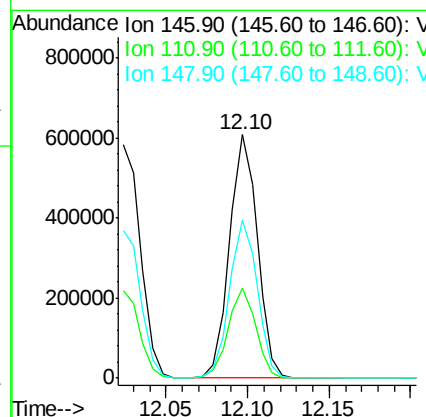
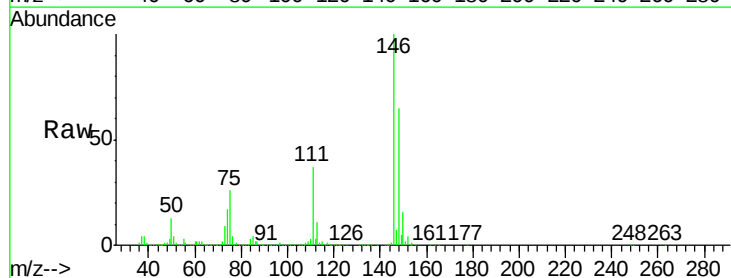
Manual Integrations
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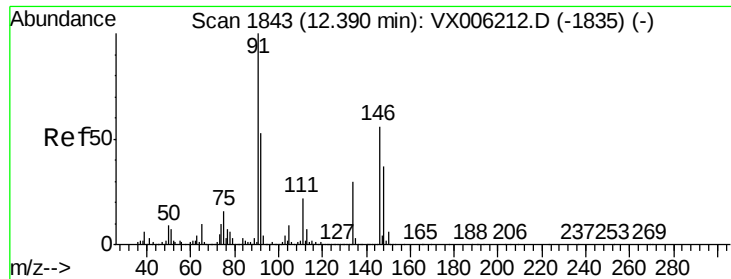
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 12/11/2018 10:54:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.042 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	64.4	31.9	95.9





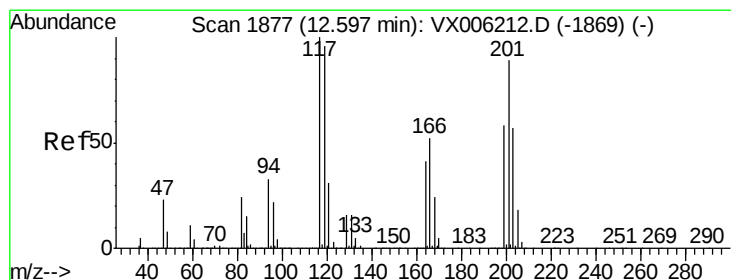
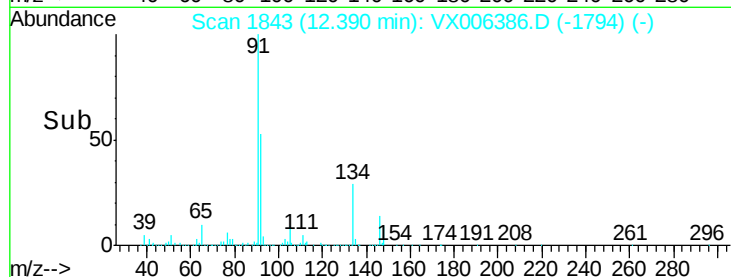
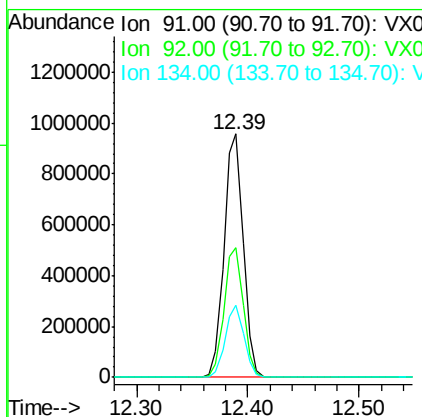
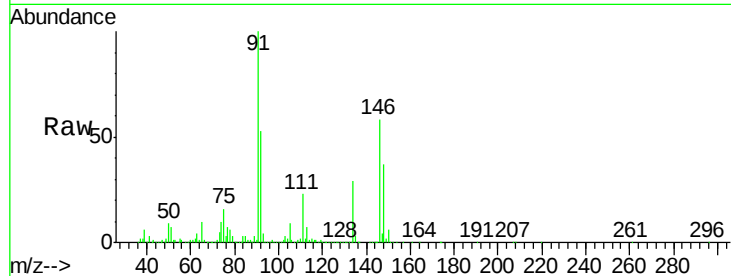
#89
n-Butylbenzene
Concen: 49.840 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1135832
Ion Ratio Lower Upper
91 100
92 53.7 26.6 79.8
134 29.0 14.8 44.3

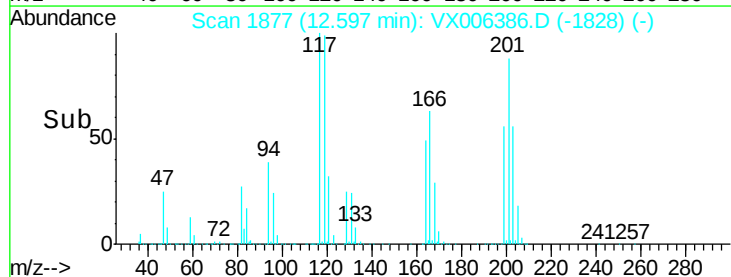
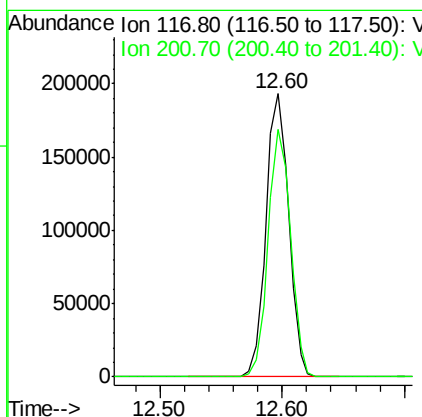
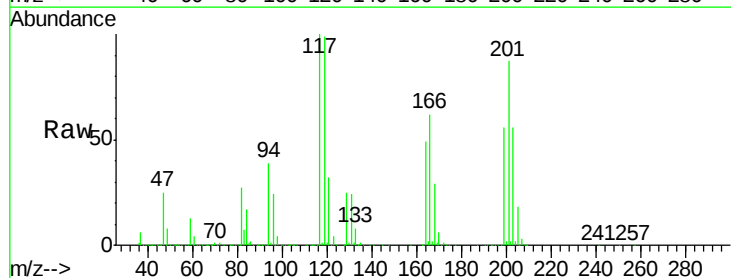
Manual Integrations
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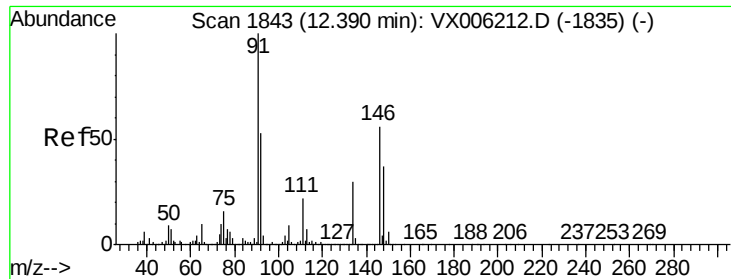
MMDadoda
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#90
Hexachloroethane
Concen: 46.040 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006386.D
Acq: 10 Dec 2018 22:52

Tgt Ion: 117 Resp: 250623
Ion Ratio Lower Upper
117 100
201 86.2 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 49.895 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

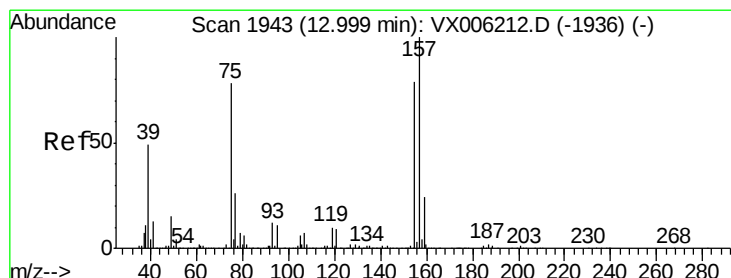
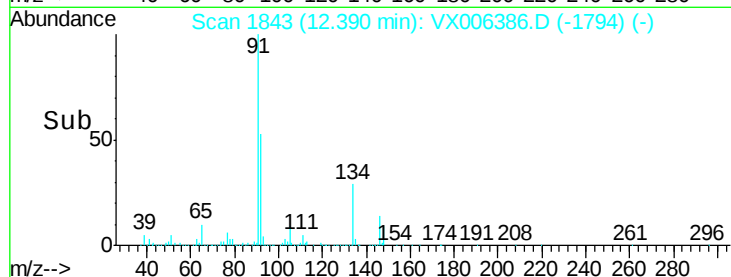
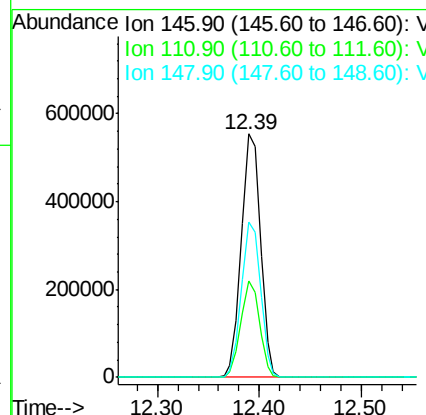
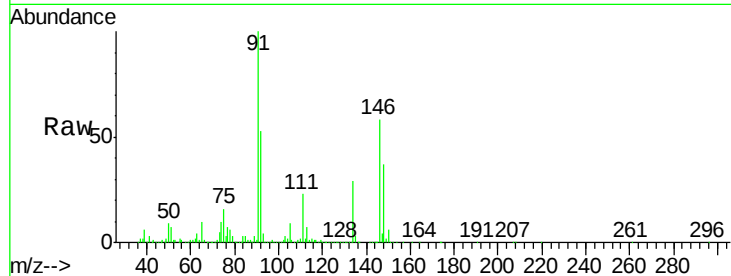
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	718169
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.3
148	63.7	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.126 ug/l

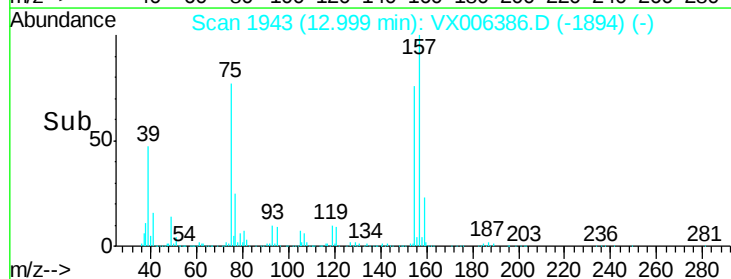
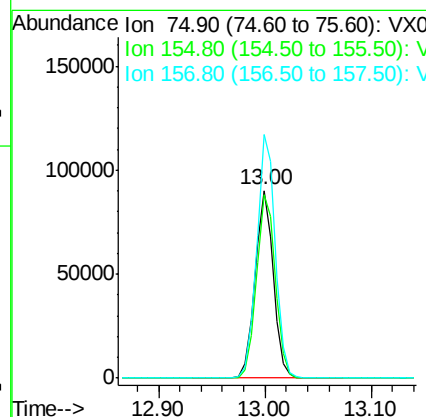
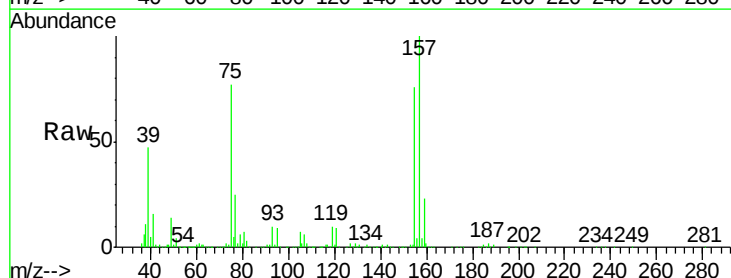
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Tgt Ion:	75	Resp:	108692
Ion Ratio	Lower	Upper	
75	100		
155	101.0	53.4	160.3
157	131.2	68.0	203.8





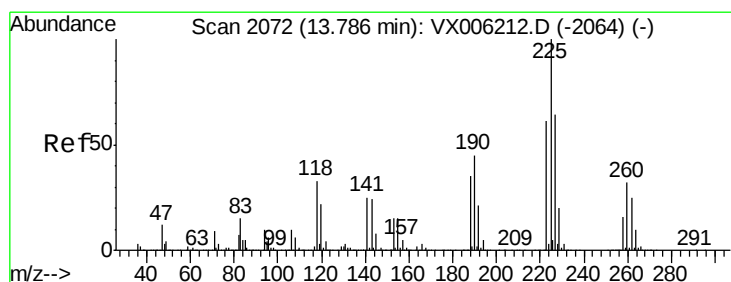
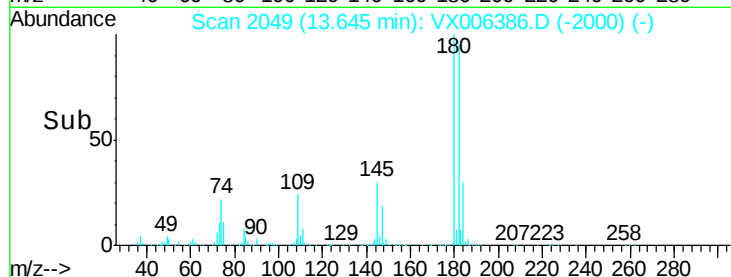
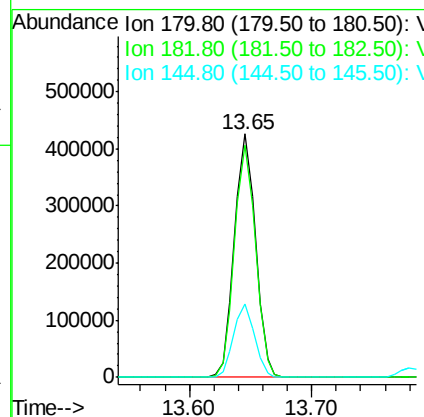
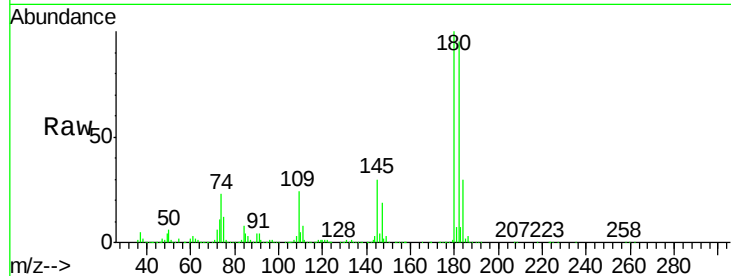
#93
 1,2,4-Trichlorobenzene
 Concen: 48.493 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	509234		
182	95.3	47.3	141.9	
145	29.9	14.6	43.8	

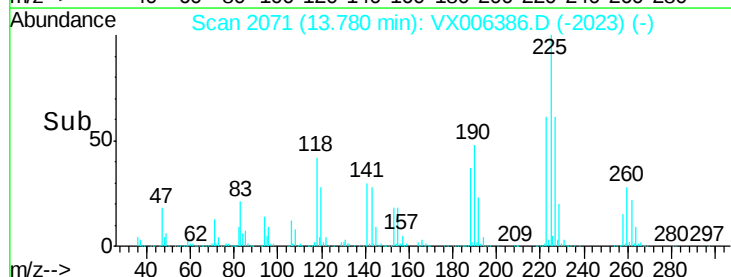
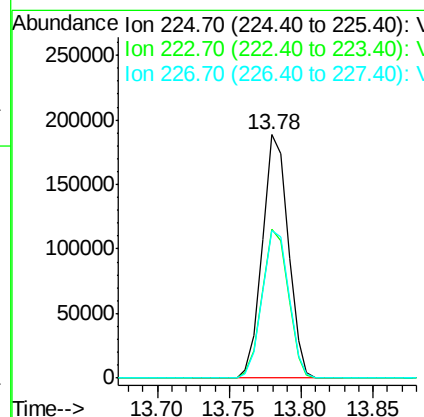
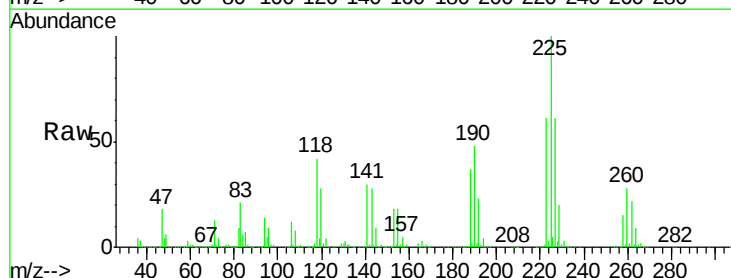
Manual Integrations
 APPROVED

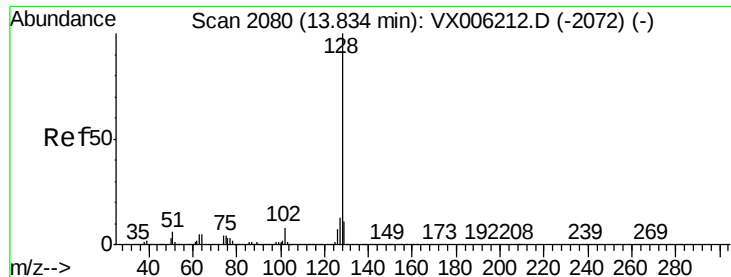
MMDadoda
 12/11/2018 10:54:24 AM



#94
 Hexachlorobutadiene
 Concen: 50.147 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006386.D
 Acq: 10 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232886		
223	61.9	31.2	93.6	
227	62.5	31.9	95.5	





#95

Naphthalene

Concen: 50.006 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1633462

Ion Ratio Lower Upper

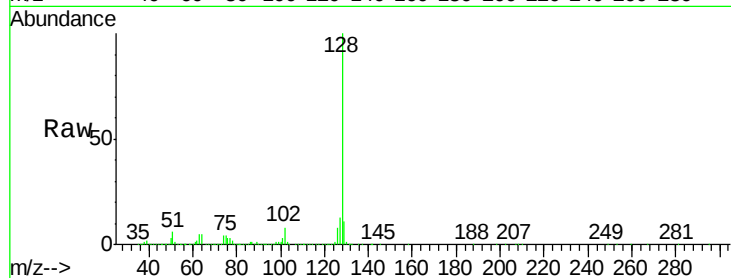
128 100

127 12.7 10.2 15.4

129 10.9 8.9 13.3

Manual Integrations
APPROVED

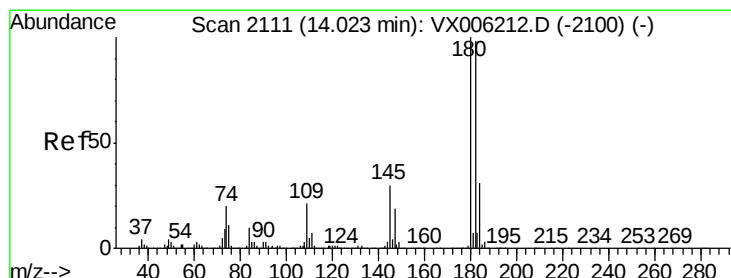
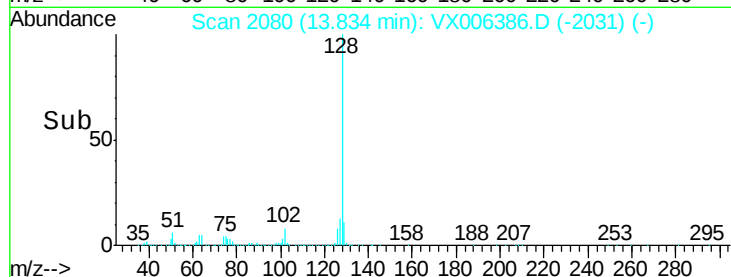
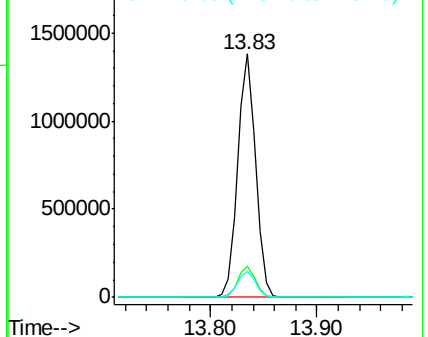
MMDadoda
12/11/2018 10:54:24 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.702 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006386.D

Acq: 10 Dec 2018 22:52

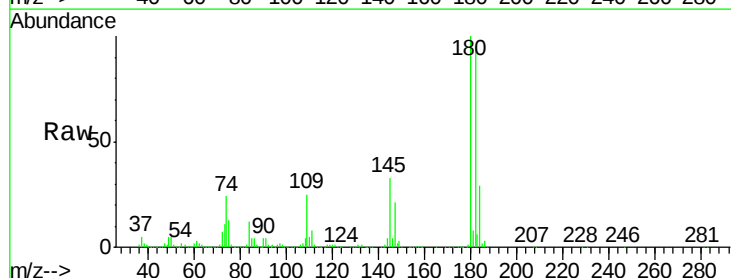
Tgt Ion:180 Resp: 516957

Ion Ratio Lower Upper

180 100

182 95.1 48.4 145.2

145 32.1 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

