

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040219\
 Data File : VX008602.D
 Acq On : 02 Apr 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:33:03 AM

Quant Time: Apr 03 04:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	135929	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.49	113	101304	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.71	98	403881	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	151833	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88046	41.452	ug/l	99
3) Chloromethane	1.32	50	126223	47.052	ug/l	99
4) Vinyl Chloride	1.40	62	125491	42.314	ug/l	100
5) Bromomethane	1.64	94	63540	41.153	ug/l	100
6) Chloroethane	1.71	64	76618	43.610	ug/l	99
7) Trichlorofluoromethane	1.92	101	147097	43.794	ug/l	99
8) Diethyl Ether	2.18	74	70270	44.207	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	96305	47.443	ug/l	99
10) Methyl Iodide	2.51	142	86188	44.163	ug/l	99
11) Tert butyl alcohol	3.06	59	163668	270.412	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97284	46.406	ug/l	95
13) Acrolein	2.29	56	136759	311.147	ug/l	99
14) Allyl chloride	2.72	41	228926	49.567	ug/l	97
15) Acrylonitrile	3.14	53	410530	258.669	ug/l	100
16) Acetone	2.45	43	363231	254.400	ug/l	100
17) Carbon Disulfide	2.56	76	265486	44.094	ug/l	100
18) Methyl Acetate	2.78	43	186876	54.496	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	387840	51.339	ug/l	100
20) Methylene Chloride	2.85	84	120580	51.768	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	103679	49.631	ug/l	97
22) Diisopropyl ether	3.85	45	461522	50.749	ug/l	98
23) Vinyl Acetate	3.81	43	2045919	257.864	ug/l	100
24) 1,1-Dichloroethane	3.70	63	225931	49.210	ug/l	99
25) 2-Butanone	4.68	43	614958	268.656	ug/l	98
26) 2,2-Dichloropropane	4.58	77	156551	51.266	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	125755	49.056	ug/l	99
28) Bromochloromethane	5.01	49	114109	50.307	ug/l	99
29) Tetrahydrofuran	5.13	42	391127	259.260	ug/l	99
30) Chloroform	5.21	83	206351	49.802	ug/l	98
31) Cyclohexane	5.58	56	208820	47.689	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	165414	49.945	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154363	47.404	ug/l	99
37) Ethyl Acetate	4.84	43	225785	53.523	ug/l	99
38) Carbon Tetrachloride	5.78	117	135532	49.874	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190228	48.882	ug/l	99
40) Benzene	6.14	78	482580	49.503	ug/l	100
41) Methacrylonitrile	5.04	41	128316	54.126	ug/l	99
42) 1,2-Dichloroethane	6.19	62	174019	48.755	ug/l	100
43) Isopropyl Acetate	6.45	43	364283	53.988	ug/l	100
44) Trichloroethene	7.21	130	111021	48.503	ug/l	99
45) 1,2-Dichloropropane	7.51	63	141581	51.095	ug/l	98
46) Dibromomethane	7.66	93	80008	49.446	ug/l	98
47) Bromodichloromethane	7.90	83	161226	52.057	ug/l	100
48) Methyl methacrylate	7.77	41	186131	55.131	ug/l	97
49) 1,4-Dioxane	7.74	88	61701	919.130	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1223947	279.278	ug/l	100
52) Toluene	8.78	92	293289	50.316	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	185909	54.803	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	204409	52.990	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	123215	51.929	ug/l	98
56) Ethyl methacrylate	9.18	69	232540	54.293	ug/l	99
57) 1,3-Dichloropropane	9.37	76	216768	50.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	615001	277.780	ug/l	100
59) 2-Hexanone	9.49	43	922678	271.708	ug/l	99
60) Dibromochloromethane	9.58	129	121048	53.643	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123917	51.174	ug/l	99
64) Tetrachloroethene	9.34	164	93189	49.654	ug/l	99
65) Chlorobenzene	10.14	112	306243	50.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	109426	52.610	ug/l	99
67) Ethyl Benzene	10.25	91	571621	50.240	ug/l	100
68) m/p-Xylenes	10.36	106	415223	100.314	ug/l	98
69) o-Xylene	10.69	106	203738	50.721	ug/l	100
70) Styrene	10.71	104	359816	51.858	ug/l	100
71) Bromoform	10.86	173	89468	54.467	ug/l #	99
73) Isopropylbenzene	11.02	105	546056	50.436	ug/l	100
74) N-amyl acetate	10.90	43	329991	52.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	206140	49.073	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	173235m	43.787	ug/l	
77) Bromobenzene	11.26	156	129872	49.426	ug/l	98
78) n-propylbenzene	11.36	91	635499	50.108	ug/l	100
79) 2-Chlorotoluene	11.42	91	376850	48.852	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454961	49.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	68942	55.812	ug/l	100
82) 4-Chlorotoluene	11.51	91	433573	48.726	ug/l	99
83) tert-Butylbenzene	11.77	119	439394	49.757	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	458240	49.497	ug/l	100
85) sec-Butylbenzene	11.94	105	530522	50.447	ug/l	99
86) p-Isopropyltoluene	12.06	119	475537	51.246	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	231788	49.371	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	228094	48.140	ug/l	100
89) n-Butylbenzene	12.38	91	446309	50.772	ug/l	99
90) Hexachloroethane	12.60	117	80701	52.202	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	231444	49.228	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46435	50.697	ug/l	100

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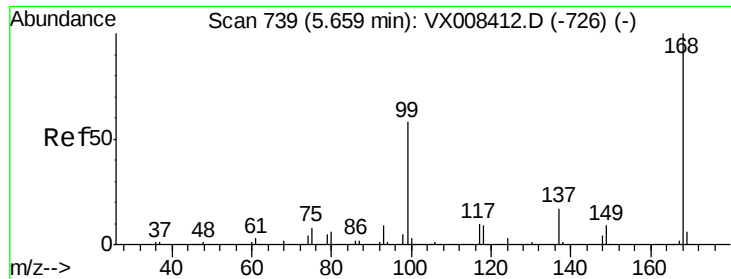
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	161342	50.972	ug/l	100
94) Hexachlorobutadiene	13.78	225	78862	52.470	ug/l	100
95) Naphthalene	13.83	128	552893	50.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161366	50.733	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008602.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 180196

Ion Ratio Lower Upper

168 100

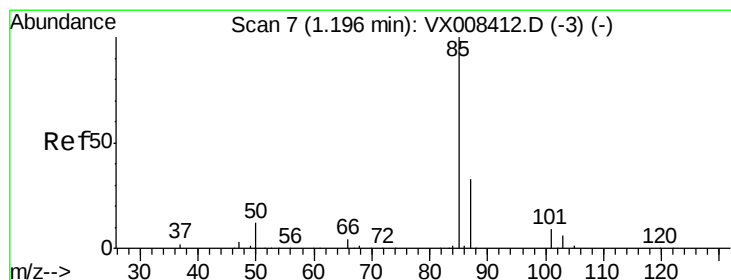
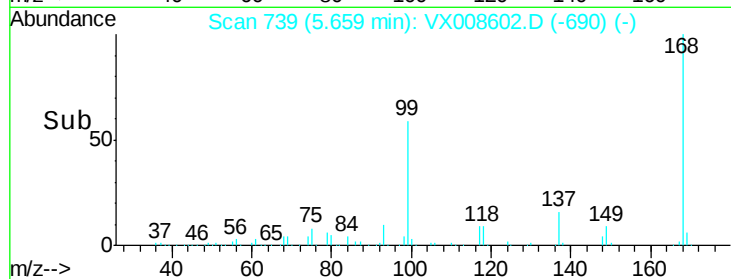
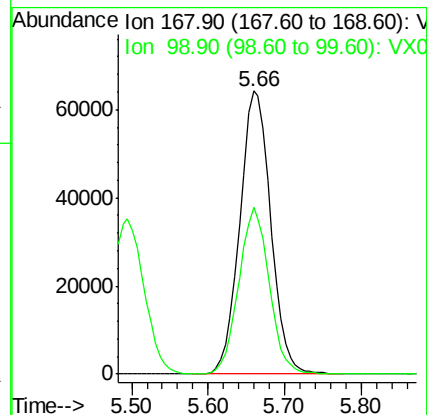
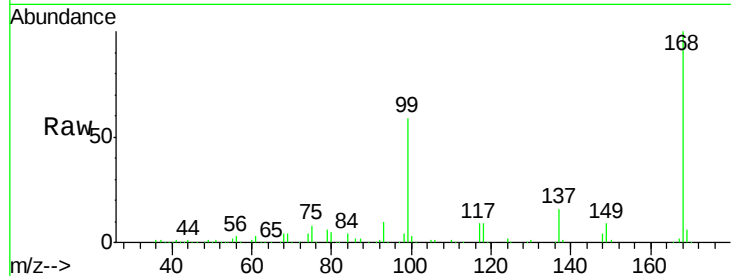
99 58.9 46.0 69.0

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#2

Dichlorodifluoromethane

Concen: 41.452 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008602.D

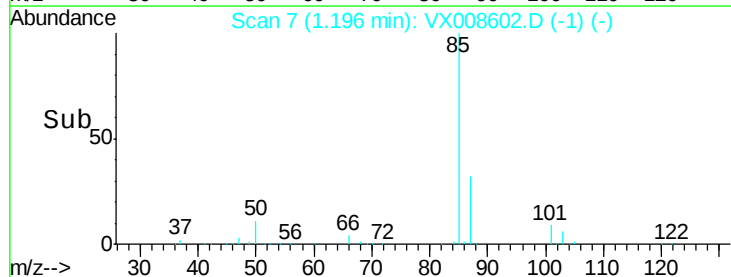
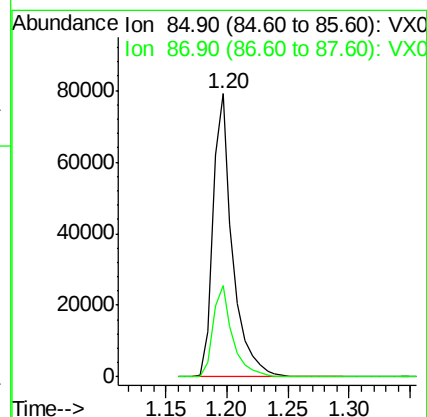
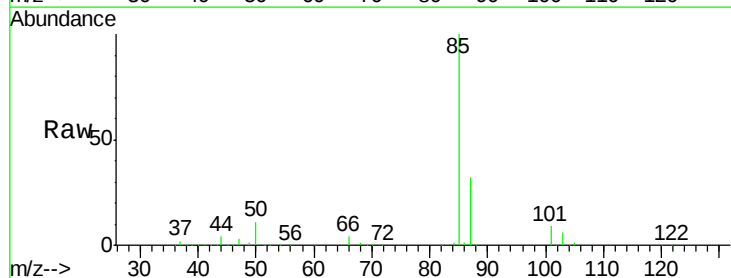
Acq: 02 Apr 2019 19:48

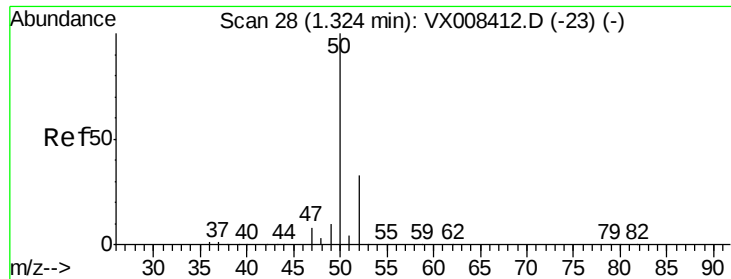
Tgt Ion: 85 Resp: 88046

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1





#3

Chloromethane

Concen: 47.052 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 126223

Ion Ratio Lower Upper

50 100

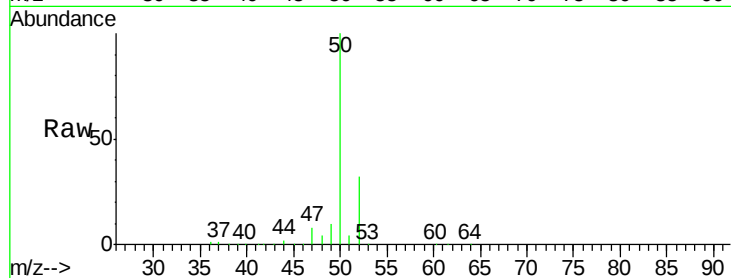
52 32.2 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

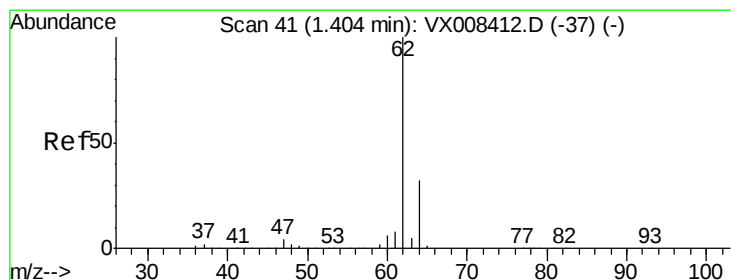
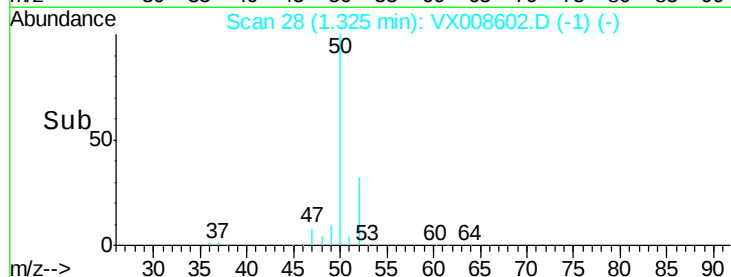
1.32

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 42.314 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008602.D

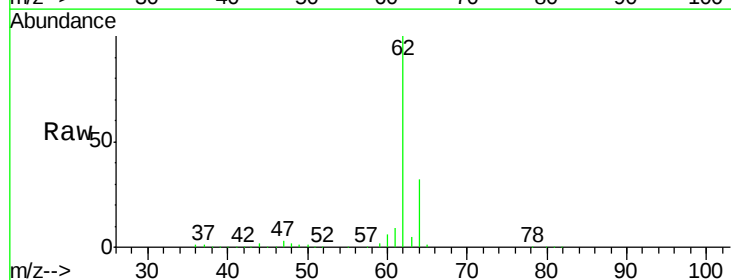
Acq: 02 Apr 2019 19:48

Tgt Ion: 62 Resp: 125491

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

120000

100000

80000

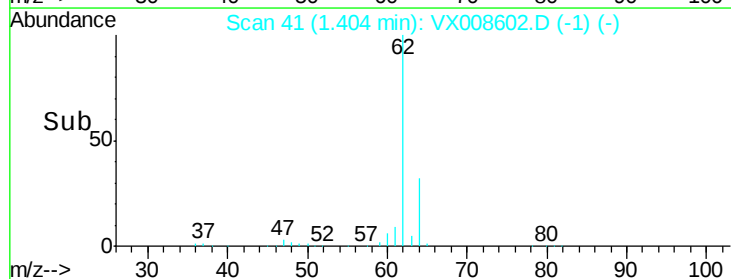
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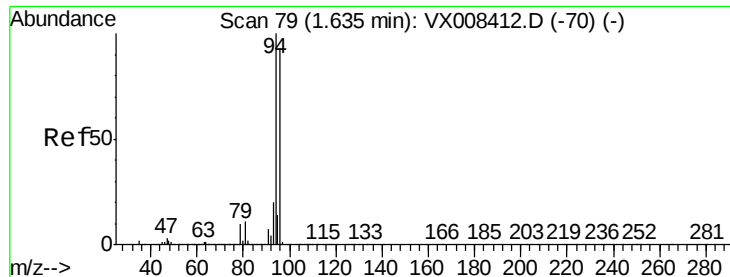
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20000

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Time-->





#5

Bromomethane

Concen: 41.153 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63540

Ion Ratio Lower Upper

94 100

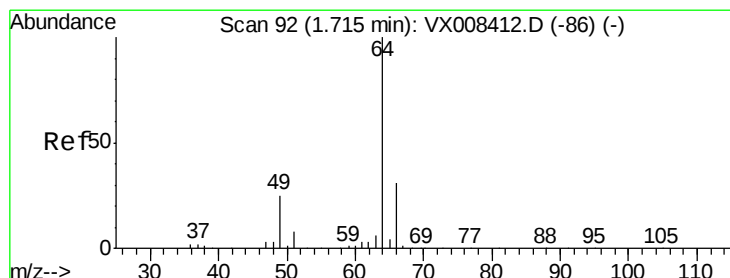
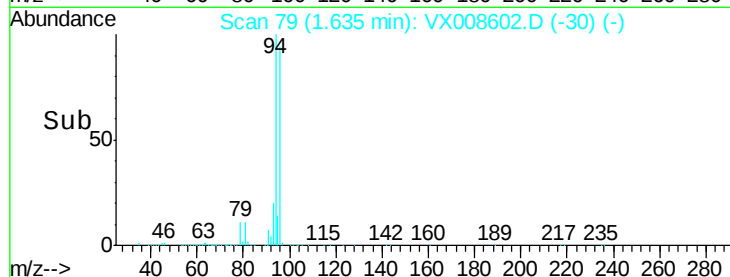
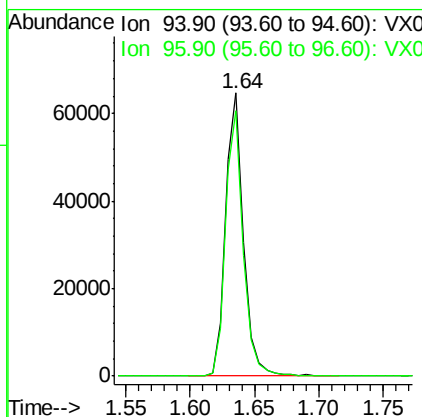
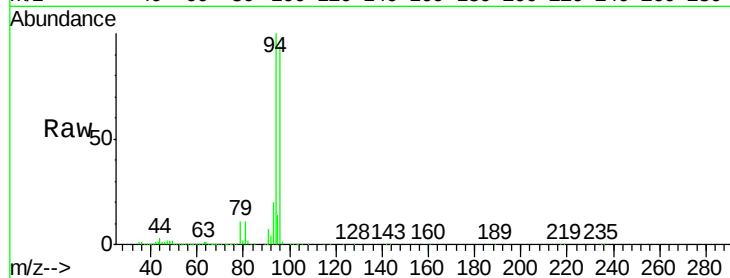
96 93.8 74.8 112.2

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#6

Chloroethane

Concen: 43.610 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008602.D

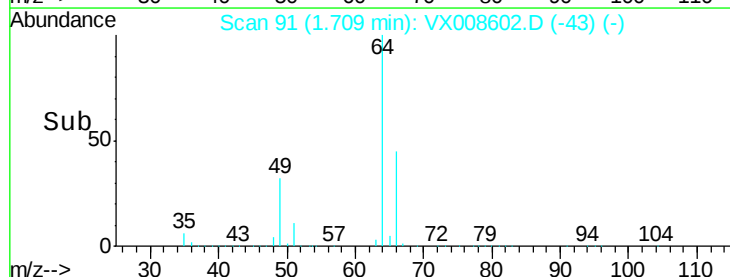
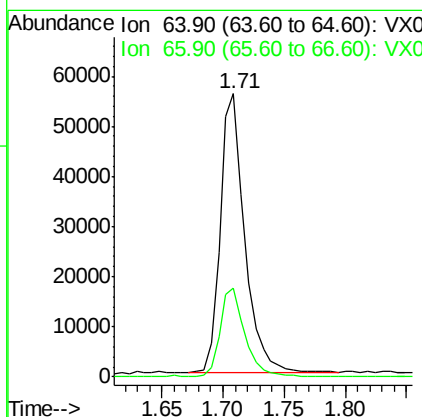
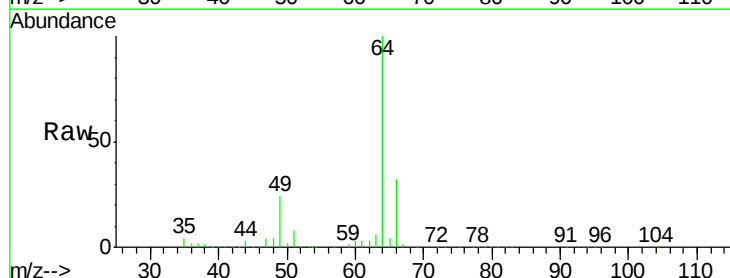
Acq: 02 Apr 2019 19:48

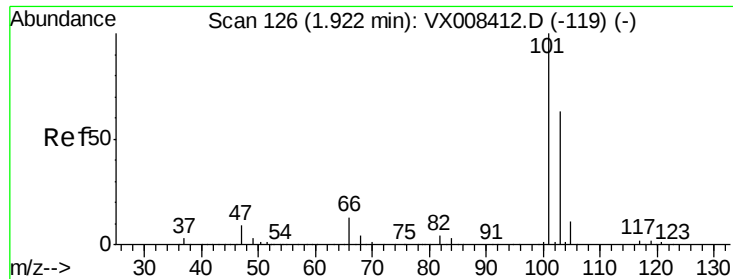
Tgt Ion: 64 Resp: 76618

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

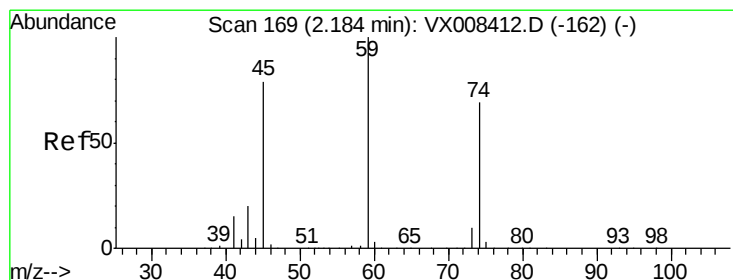
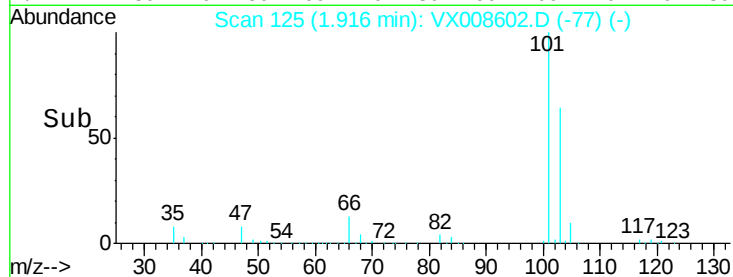
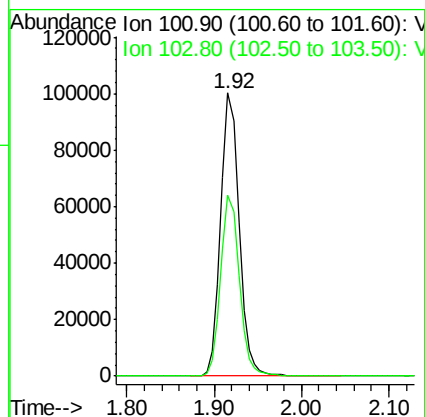
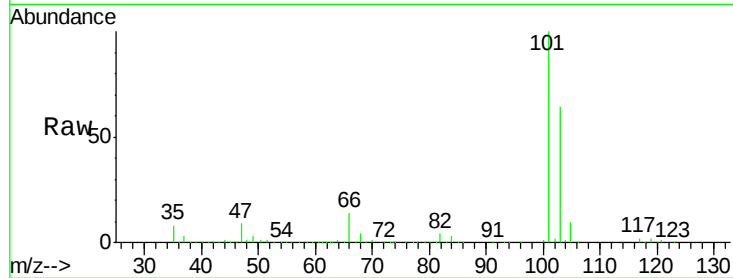
Trichlorofluoromethane
Concen: 43.794 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 147097
Ion Ratio Lower Upper
101 100
103 63.9 50.2 75.4

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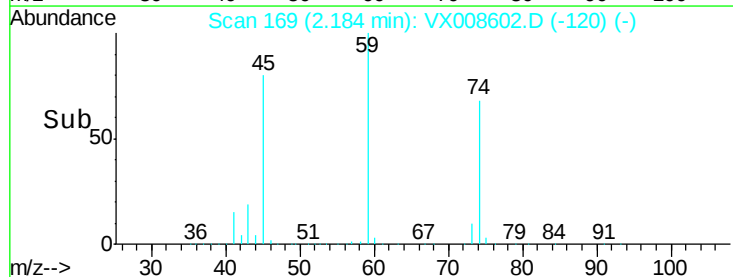
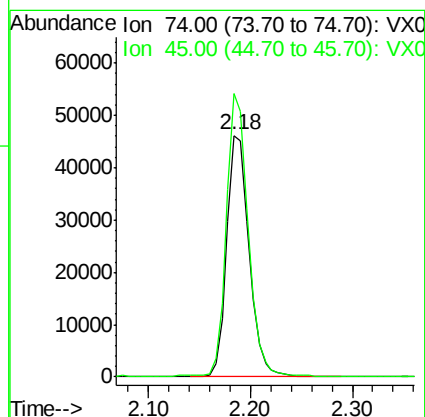
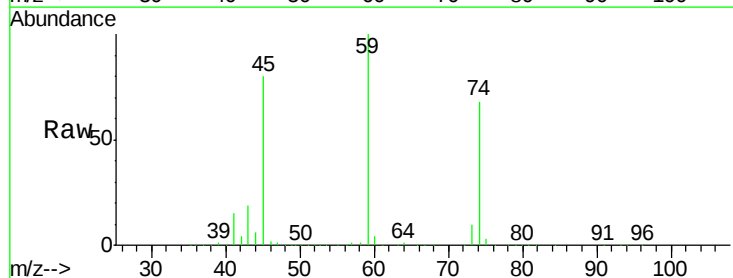
MMDadoda
4/3/2019 11:33:03 AM

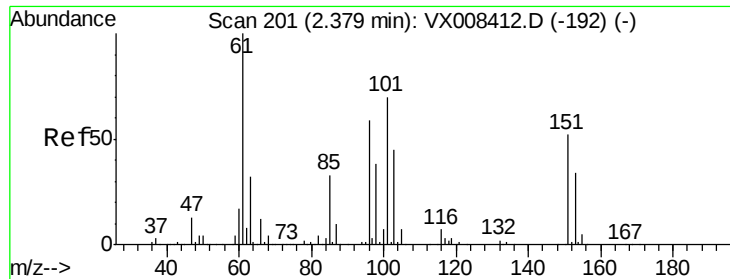


#8

Diethyl Ether
Concen: 44.207 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion: 74 Resp: 70270
Ion Ratio Lower Upper
74 100
45 114.3 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.443 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

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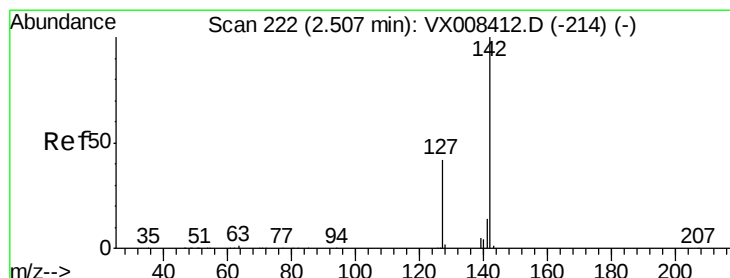
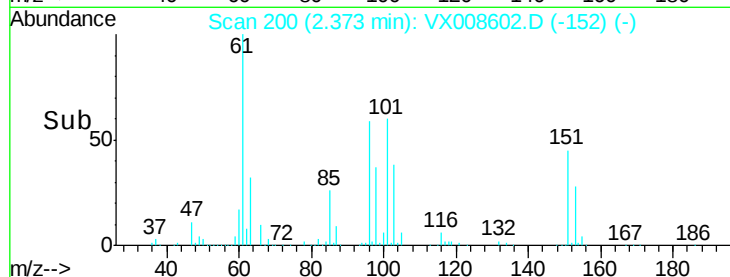
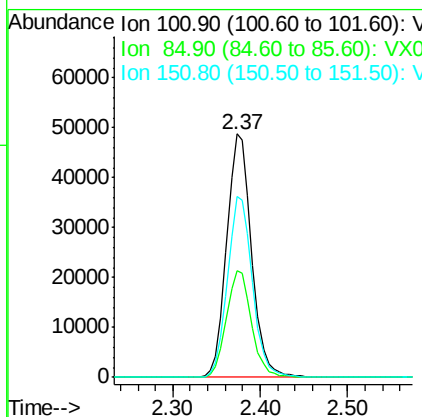
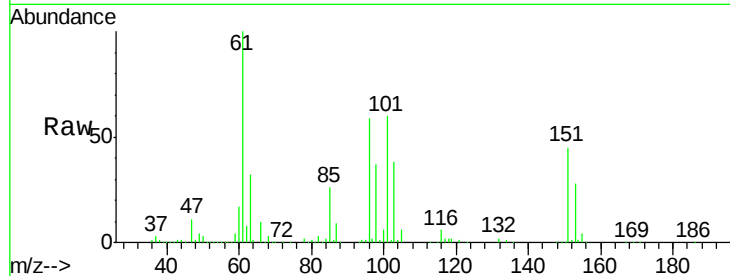
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	96305
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	74.8	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 44.163 ug/l

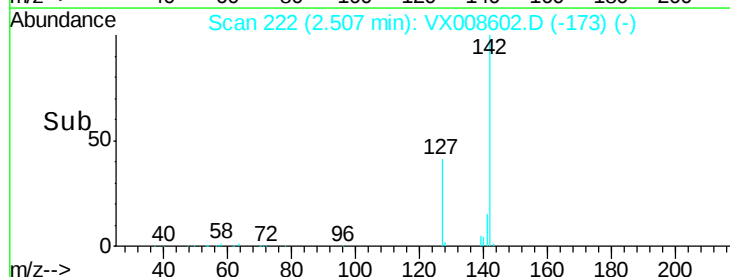
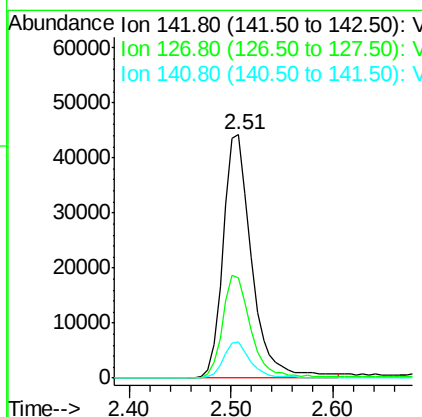
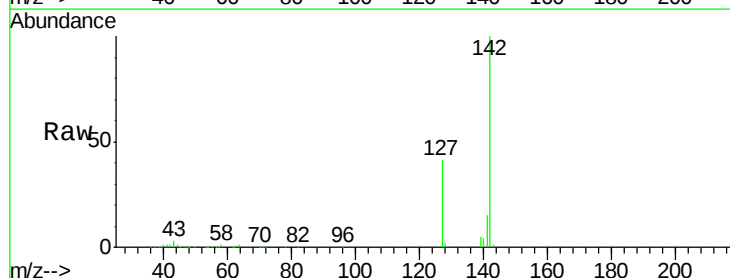
RT: 2.51 min Scan# 222

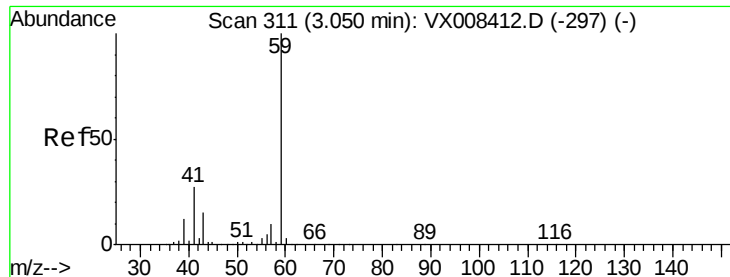
Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion:	142	Resp:	86188
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	14.3	11.3	16.9





#11

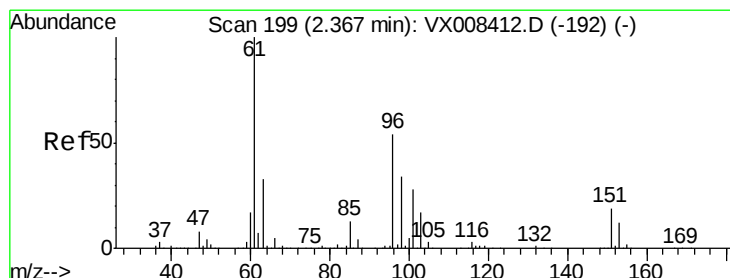
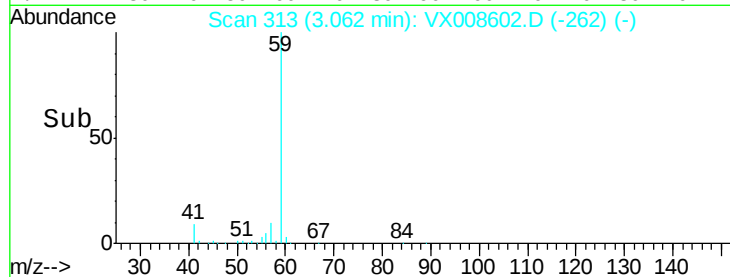
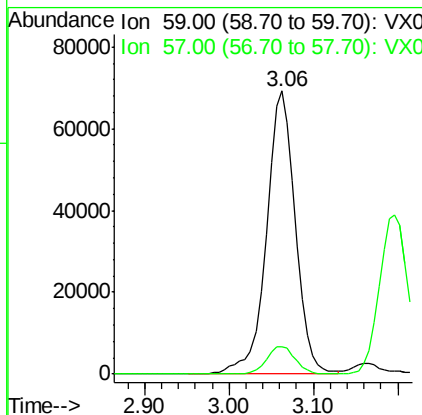
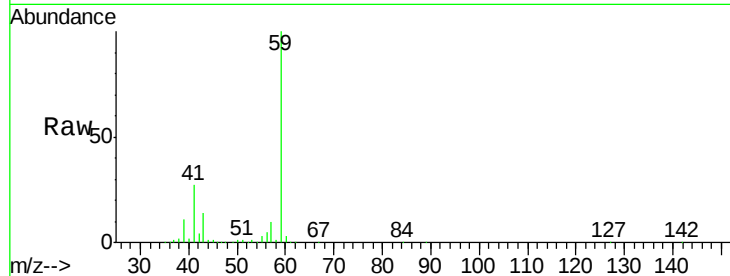
Tert butyl alcohol
Concen: 270.412 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	163668		
57	9.9		8.2	12.4

Manual Integrations
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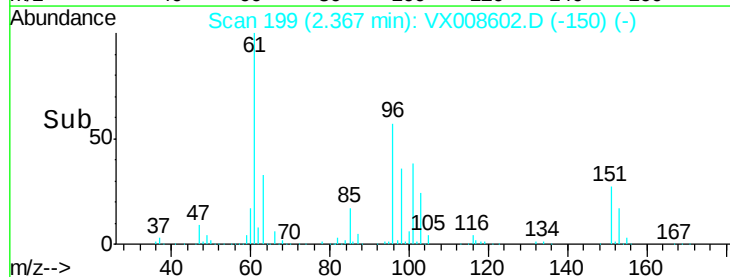
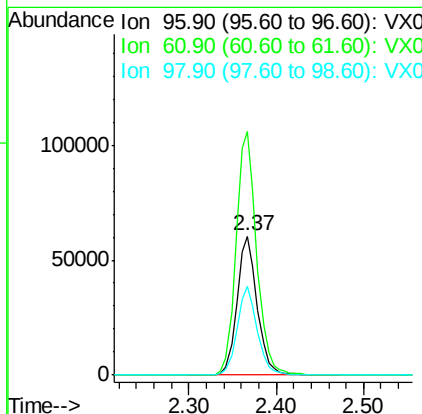
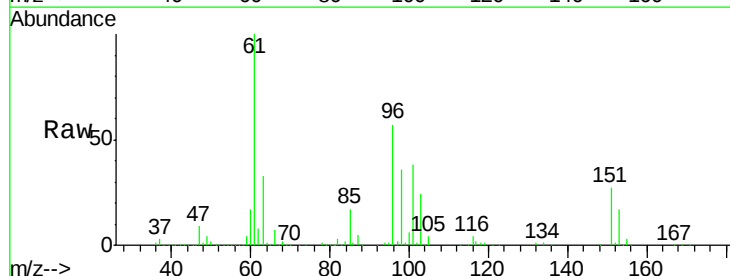
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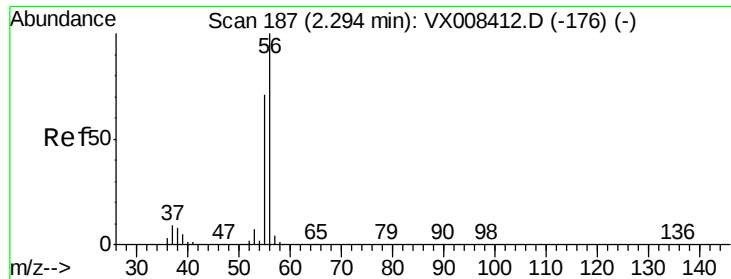


#12

1,1-Dichloroethene
Concen: 46.406 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	97284		
61	175.5		146.9	220.3
98	63.6		50.1	75.1





#13

Acrolein

Concen: 311.147 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 136759

Ion Ratio Lower Upper

56 100

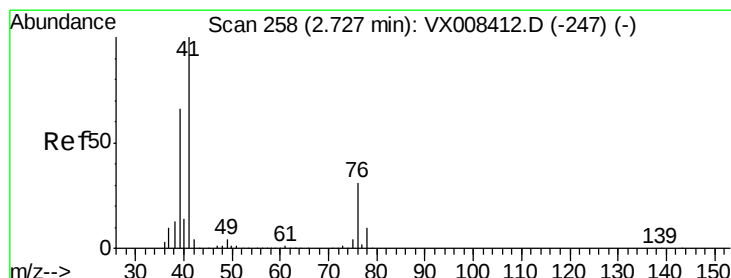
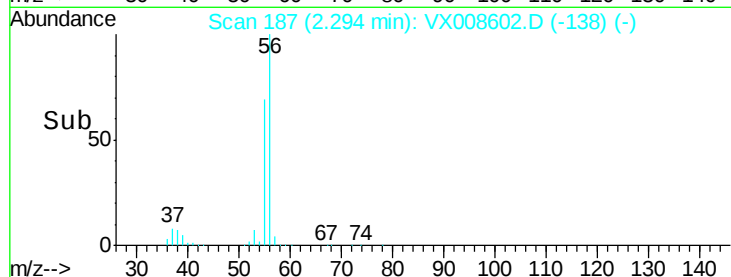
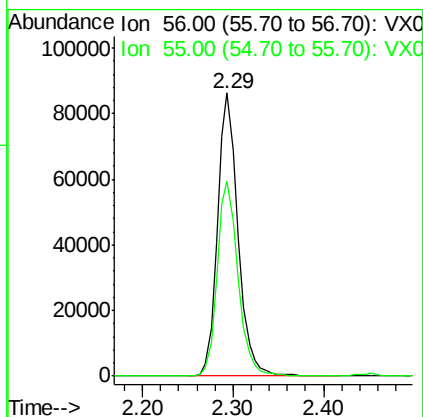
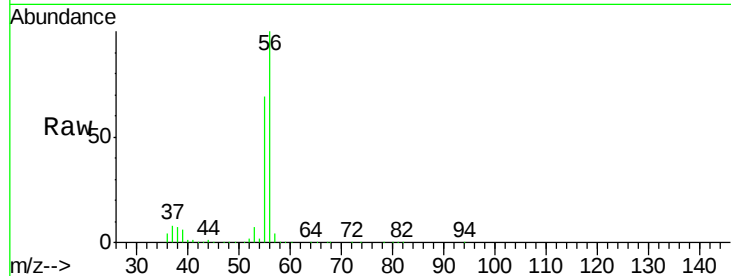
55 69.8 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 49.567 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

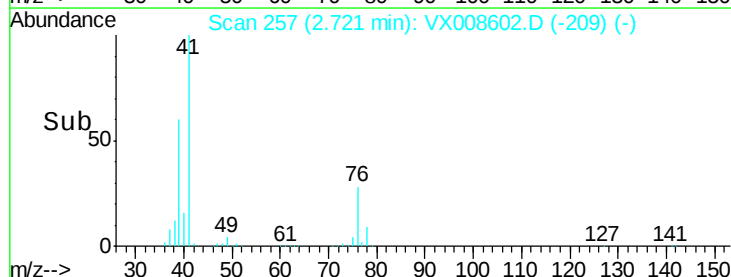
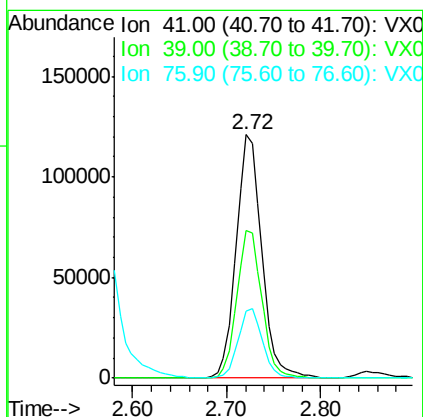
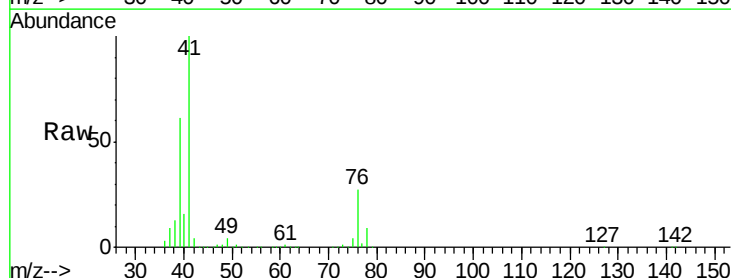
Tgt Ion: 41 Resp: 228926

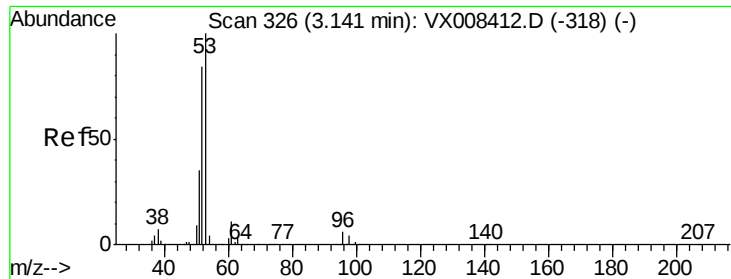
Ion Ratio Lower Upper

41 100

39 59.4 49.6 74.4

76 27.4 22.6 34.0





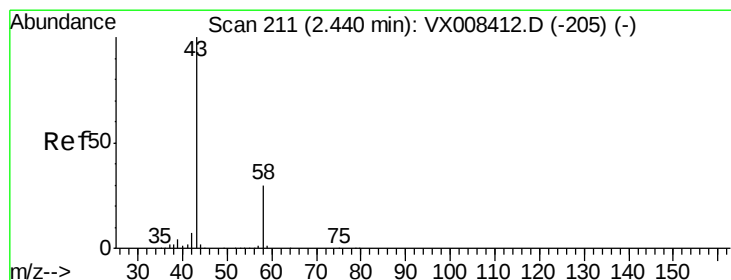
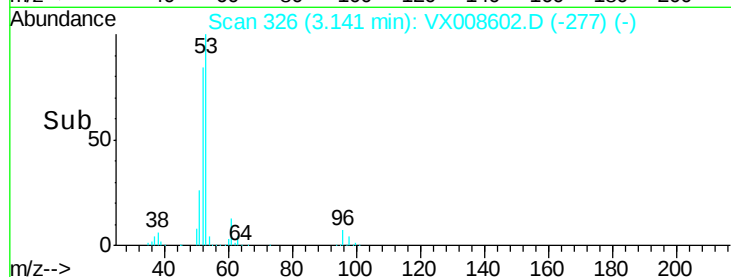
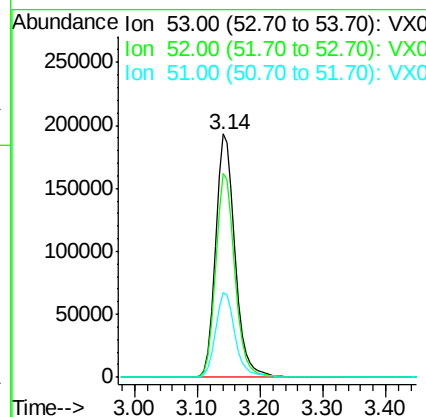
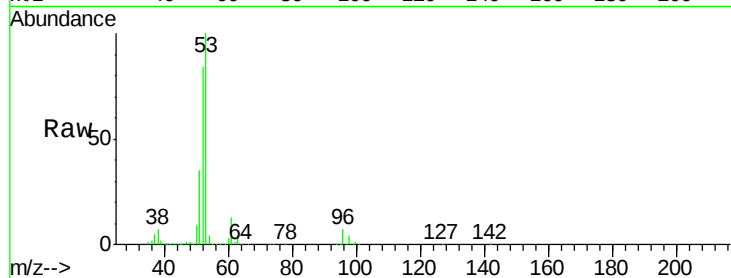
#15
 Acrylonitrile
 Concen: 258.669 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	53	Resp	410530
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.5	99.7
51	35.3	28.3	42.5

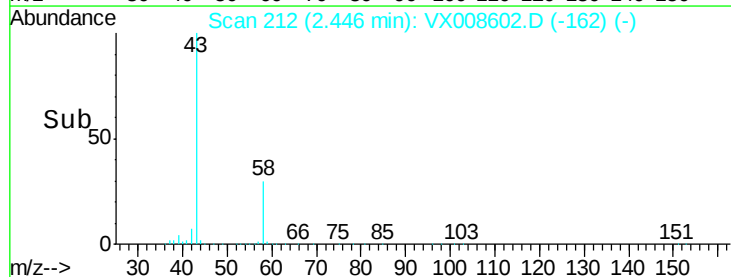
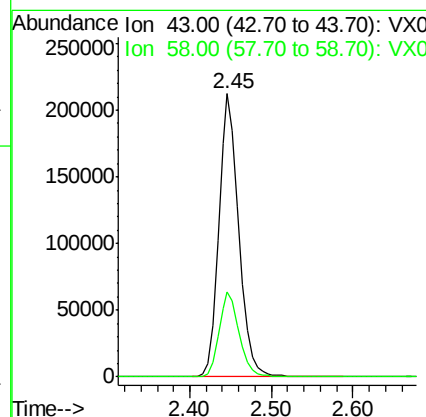
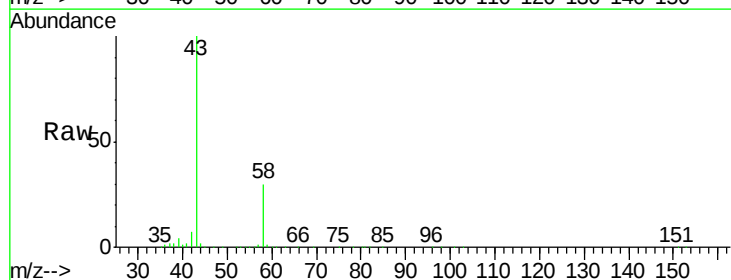
Manual Integrations
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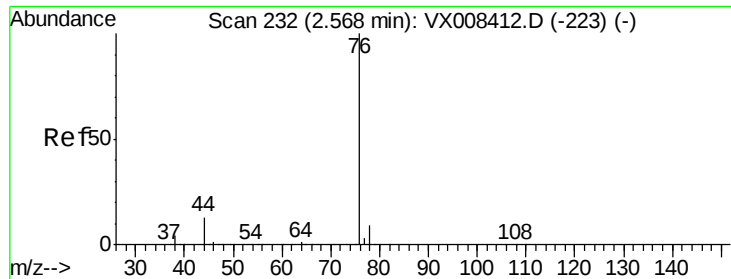
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#16
 Acetone
 Concen: 254.400 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	43	Resp	363231
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.2	36.2





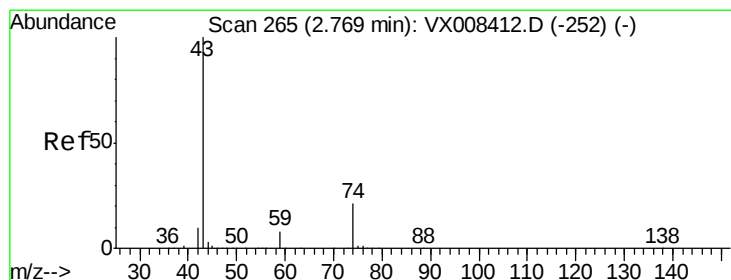
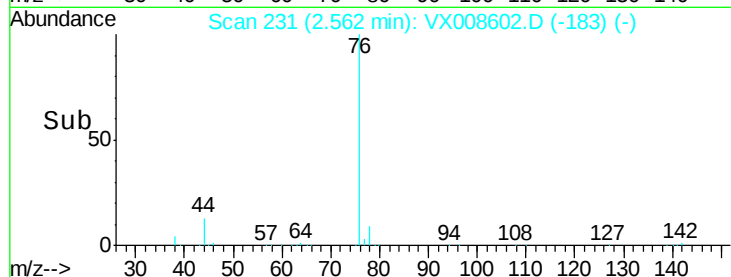
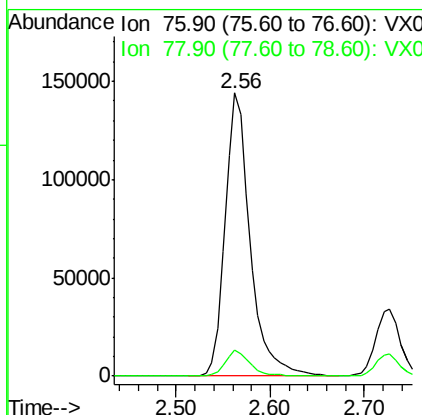
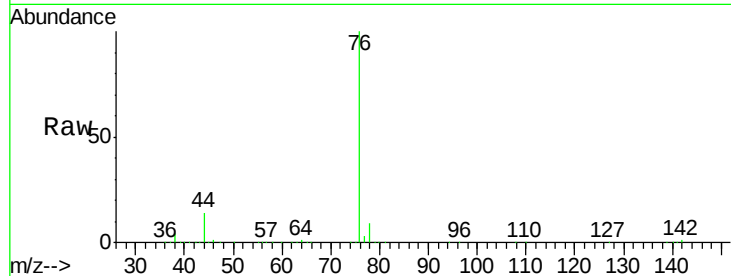
#17
Carbon Disulfide
Concen: 44.094 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

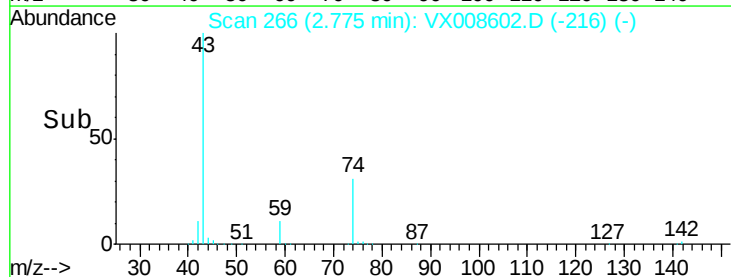
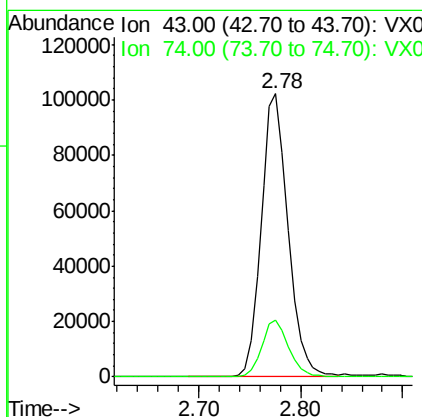
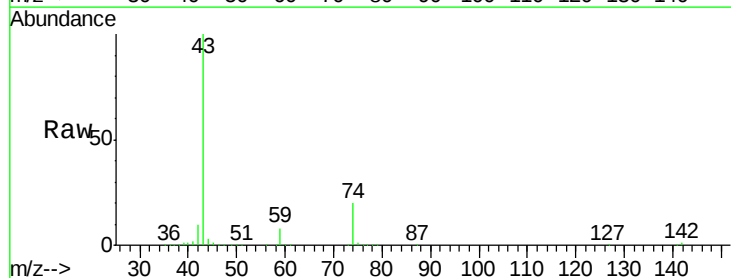
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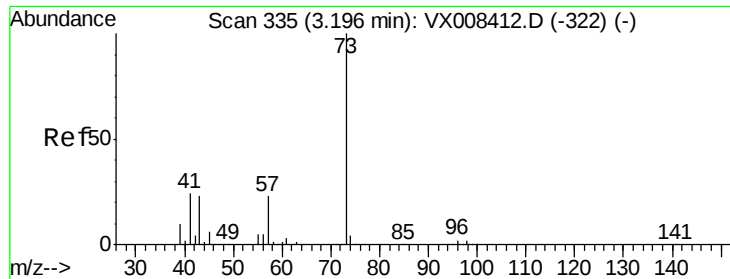
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#18
Methyl Acetate
Concen: 54.496 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.7	25.1





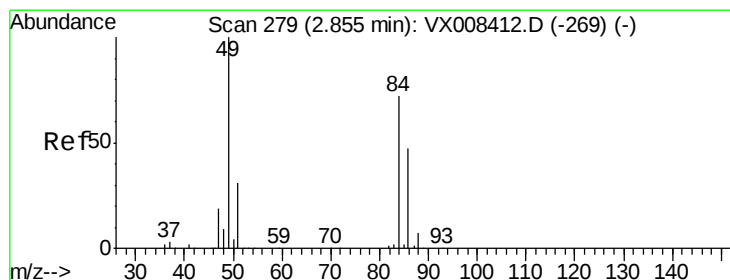
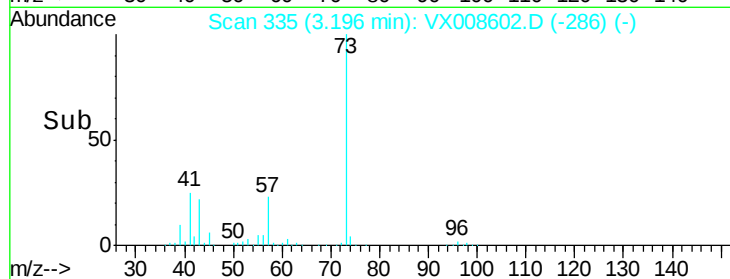
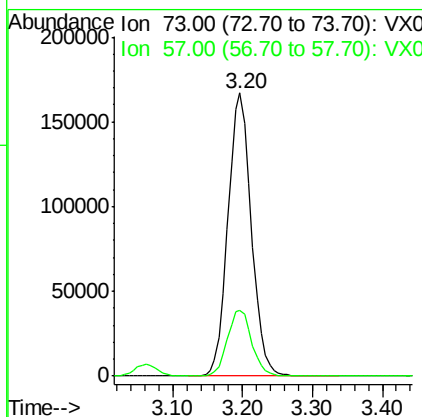
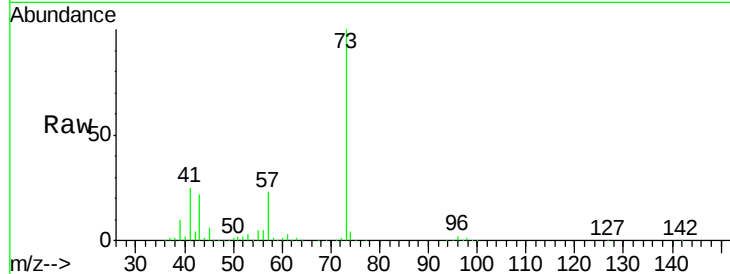
#19
Methyl tert-butyl Ether
Concen: 51.339 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.4	18.6	28.0

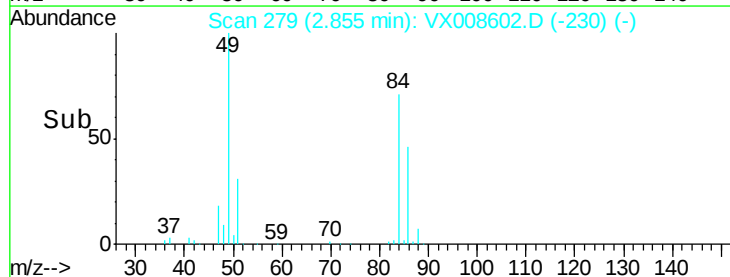
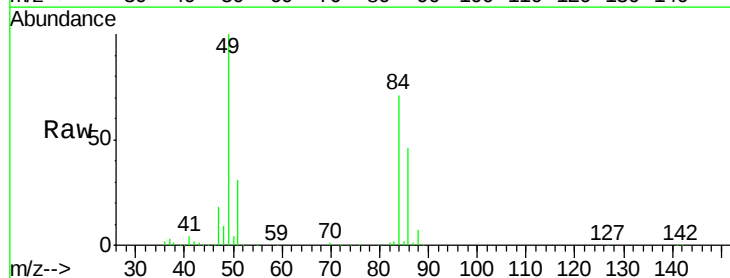
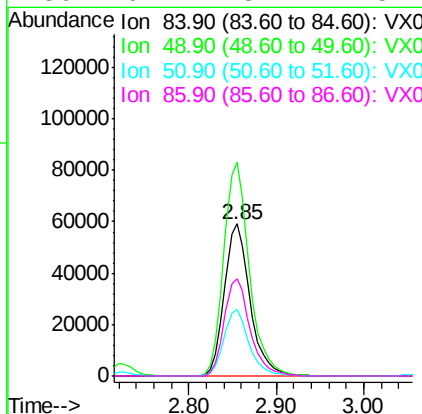
Manual Integrations
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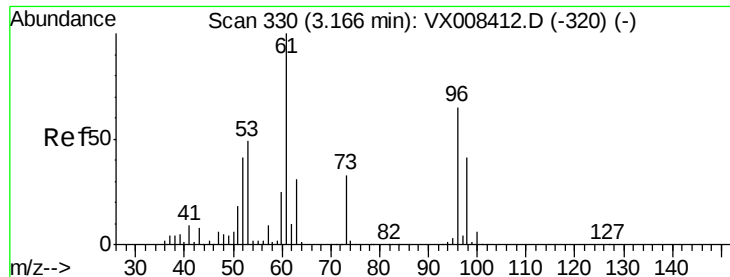
MMDadoda
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#20
Methylene Chloride
Concen: 51.768 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	140.7	110.6	165.8
51	51	43.9	33.9	50.9
86	86	64.1	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 49.631 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 103679

Ion Ratio Lower Upper

96 100

61 157.5 122.6 184.0

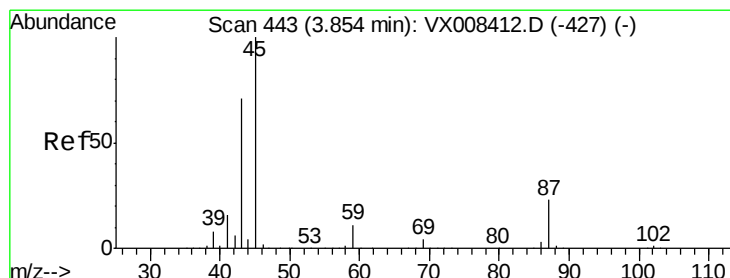
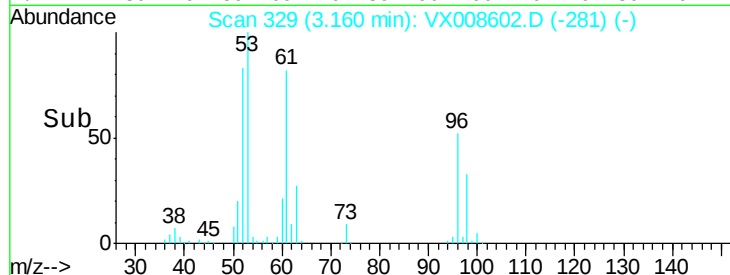
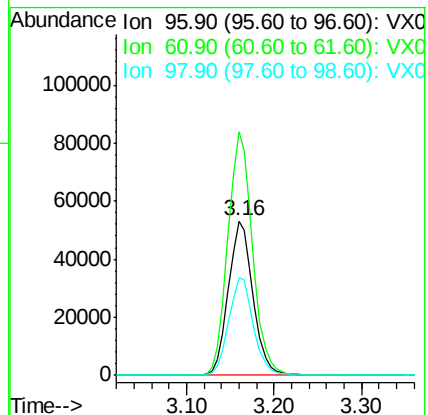
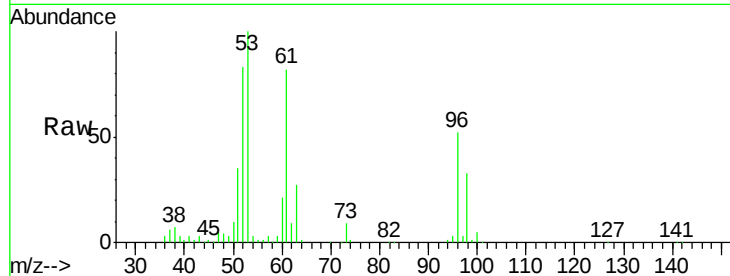
98 63.1 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.749 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion: 45 Resp: 461522

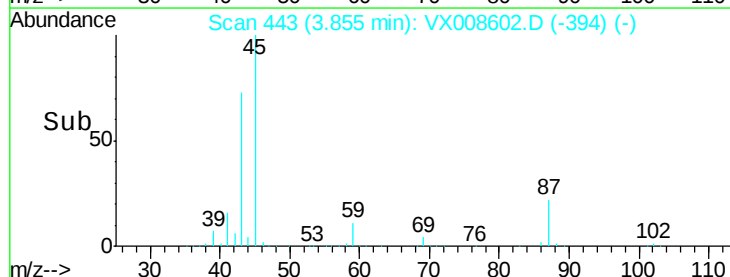
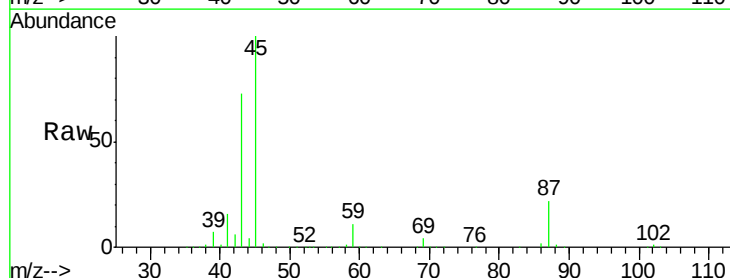
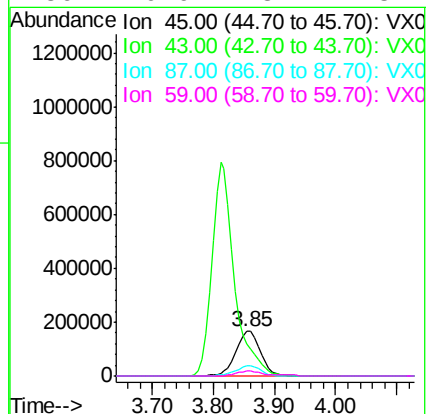
Ion Ratio Lower Upper

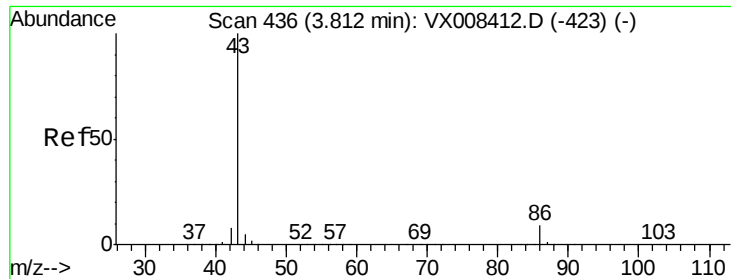
45 100

43 72.7 57.1 85.7

87 22.2 18.8 28.2

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 257.864 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 2045919

Ion Ratio Lower Upper

43 100

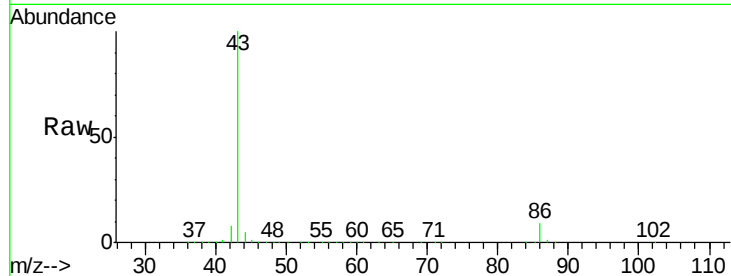
86 8.6 6.9 10.3

Manual Integrations

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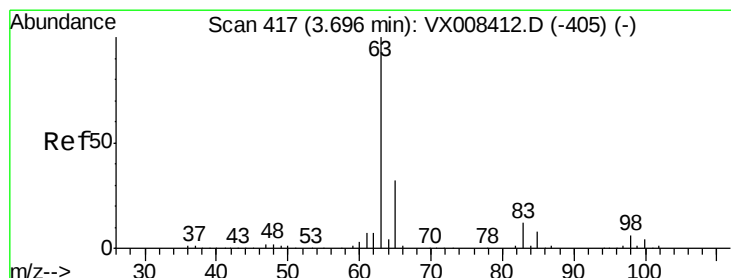
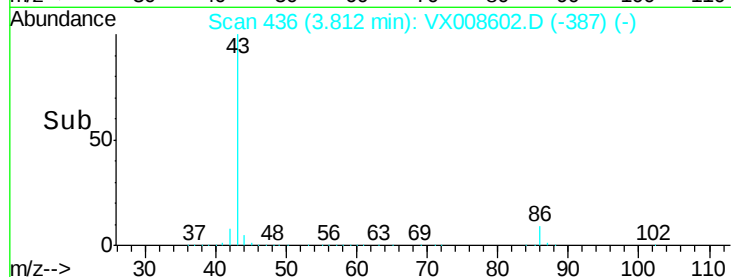
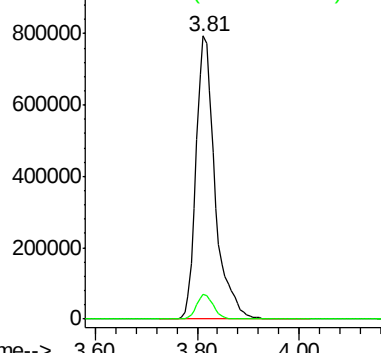
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.210 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

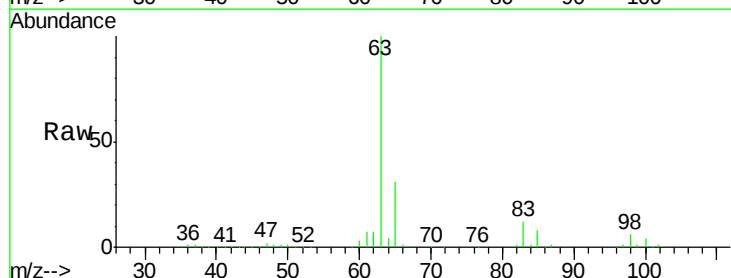
Tgt Ion: 63 Resp: 225931

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

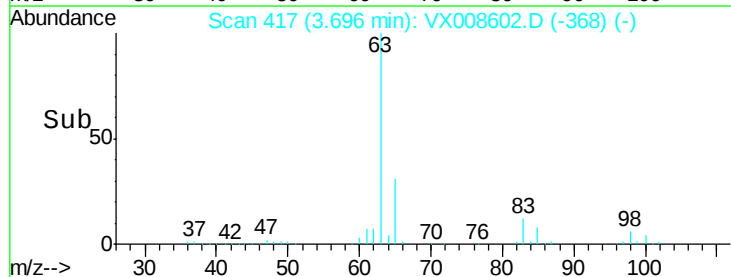
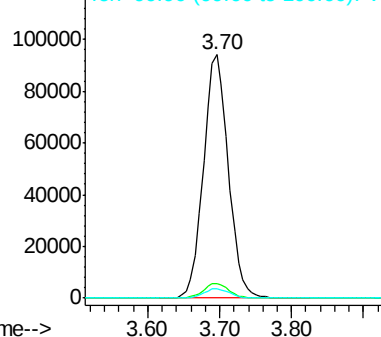
100 3.7 2.0 5.8

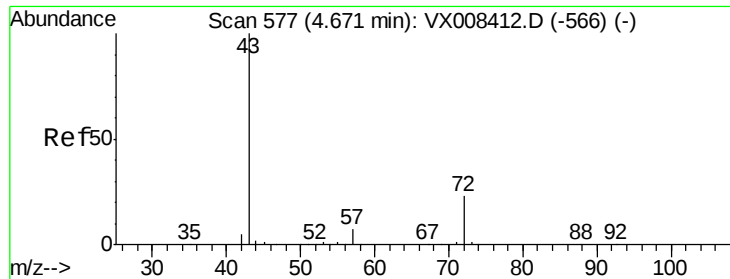


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 268.656 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 614958

Ion Ratio Lower Upper

43 100

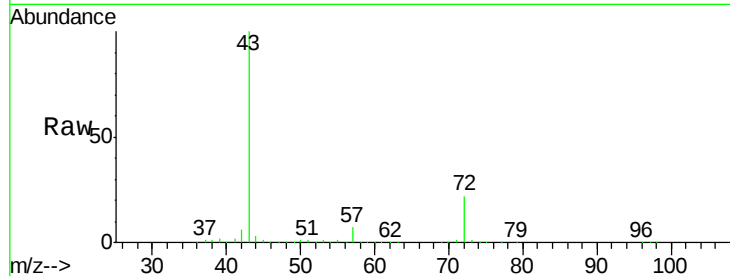
72 22.3 18.6 28.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

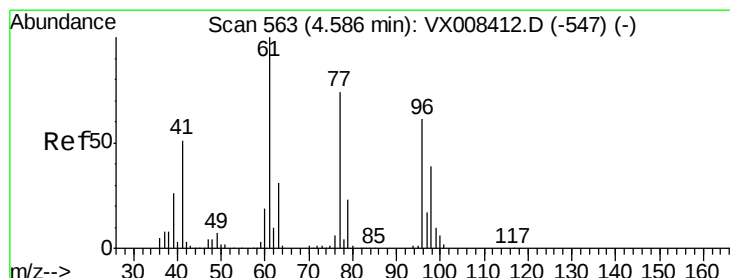
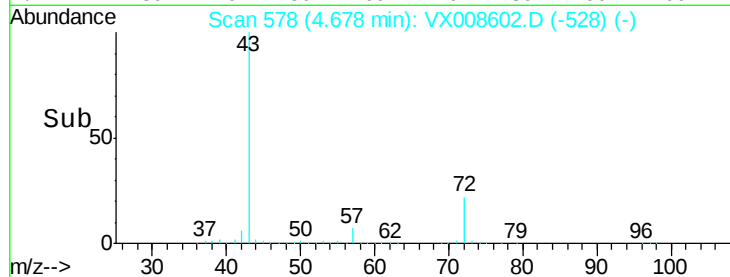
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.266 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008602.D

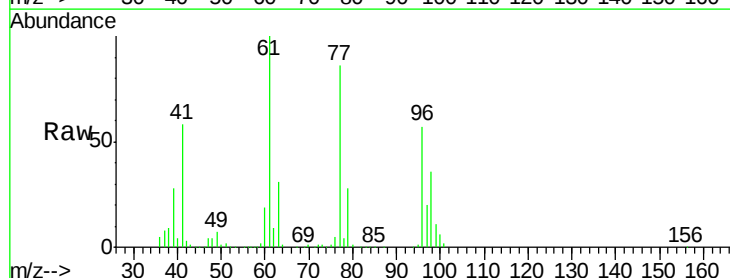
Acq: 02 Apr 2019 19:48

Tgt Ion: 77 Resp: 156551

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

0

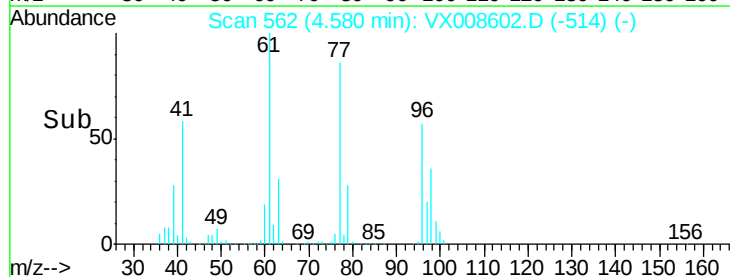
4.40

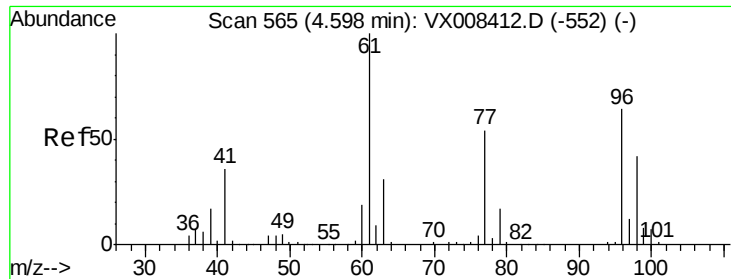
4.50

4.60

4.70

Time-->





#27

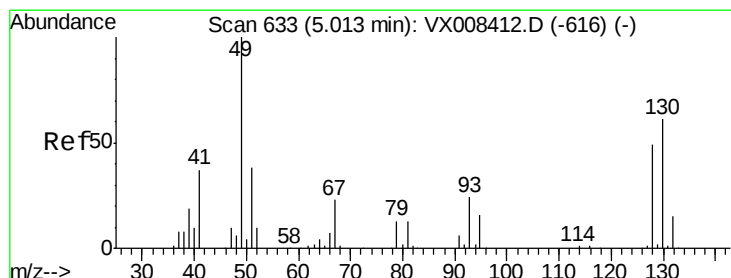
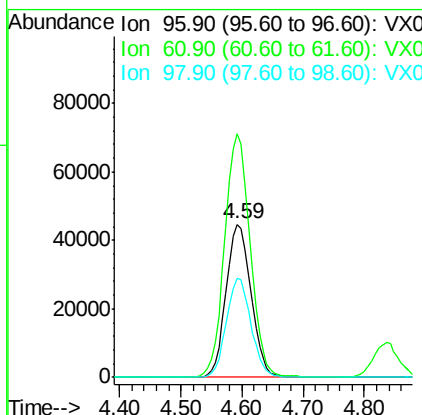
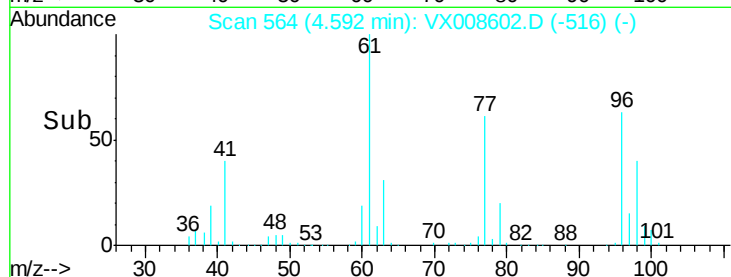
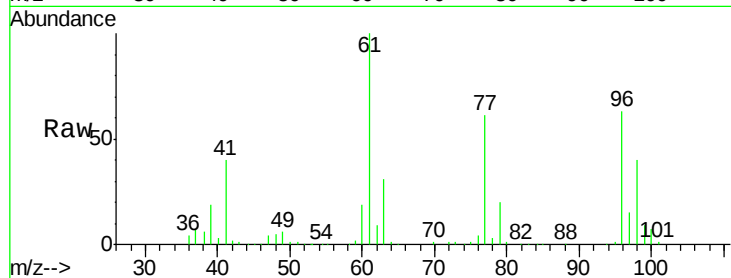
cis-1,2-Dichloroethene
Concen: 49.056 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125755		
61	162.6	0.0	325.6	
98	63.9	0.0	130.0	

Manual Integrations
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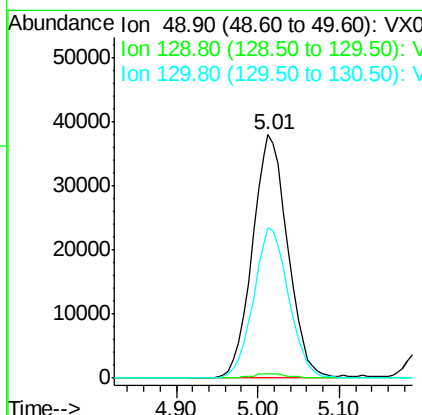
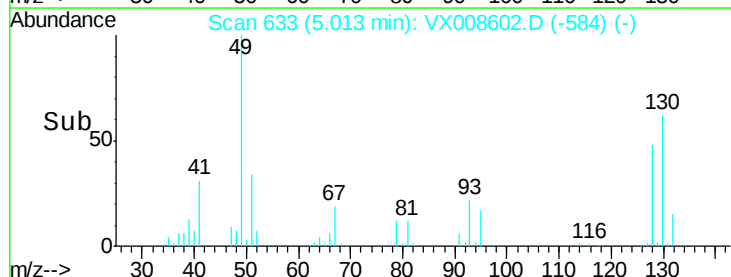
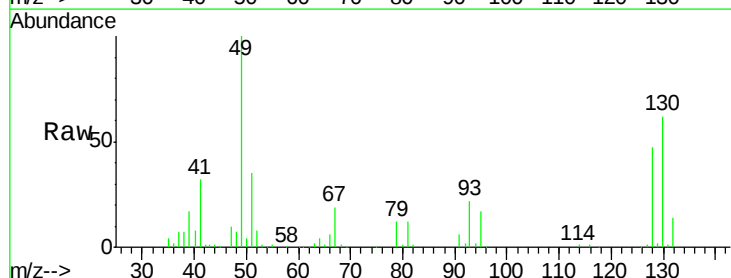
MMDadoda
4/3/2019 11:33:03 AM

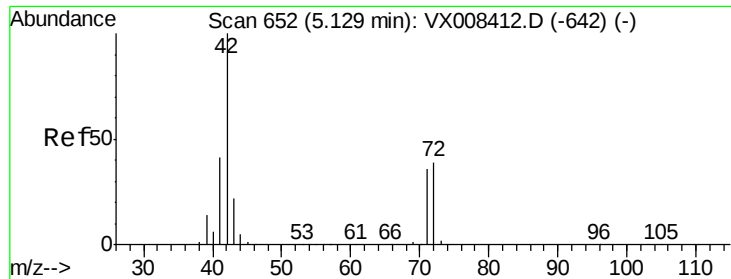


#28

Bromochloromethane
Concen: 50.307 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114109		
129	1.8	0.0	3.4	
130	61.6	49.8	74.6	





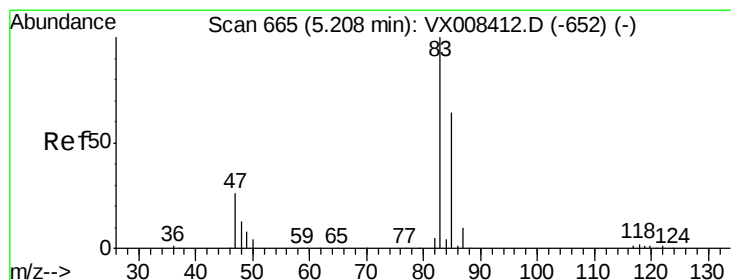
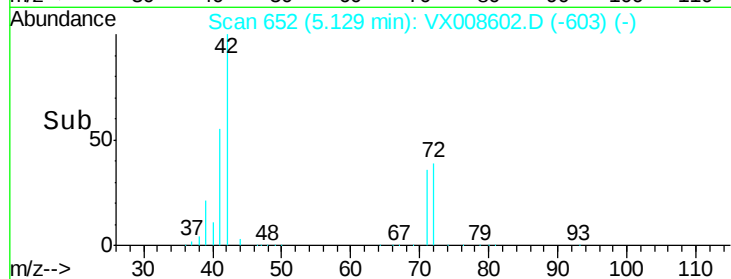
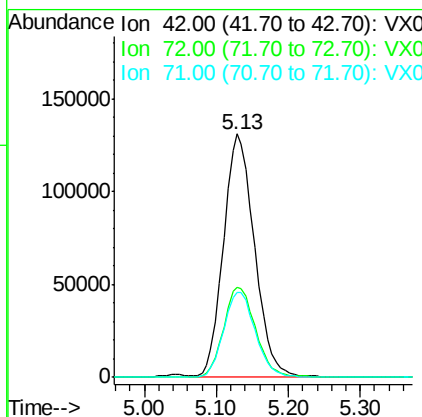
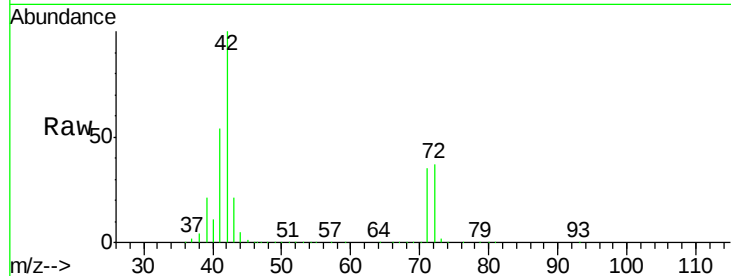
#29
Tetrahydrofuran
Concen: 259.260 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.2
71	36.1	29.4	44.2

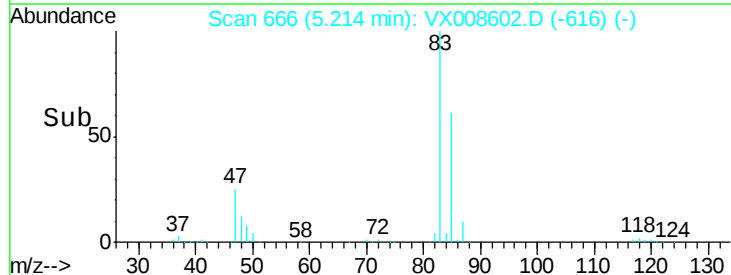
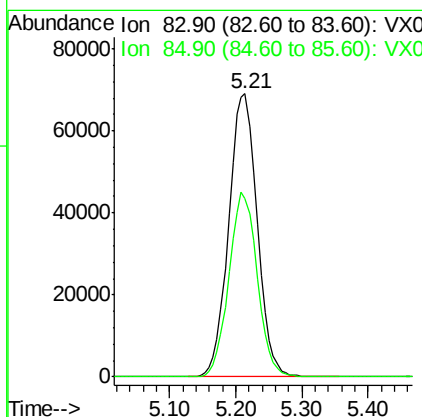
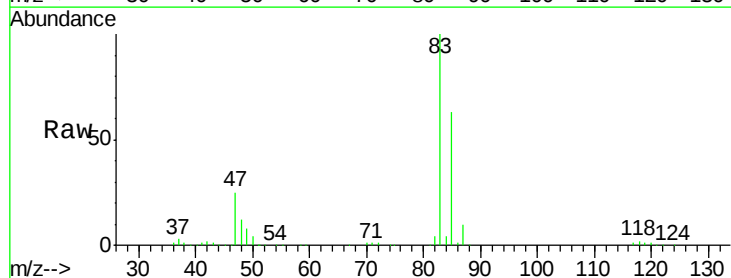
Manual Integrations
APPROVED

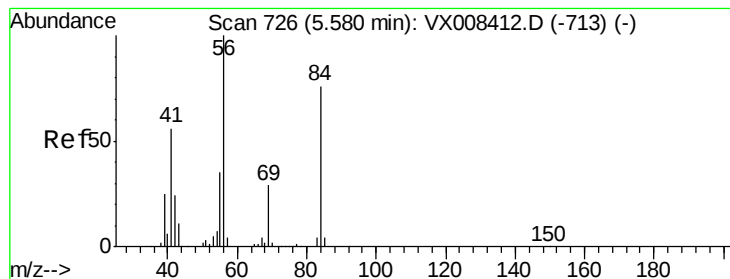
MMDadoda
4/3/2019 11:33:03 AM



#30
Chloroform
Concen: 49.802 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2





#31

Cyclohexane

Concen: 47.689 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

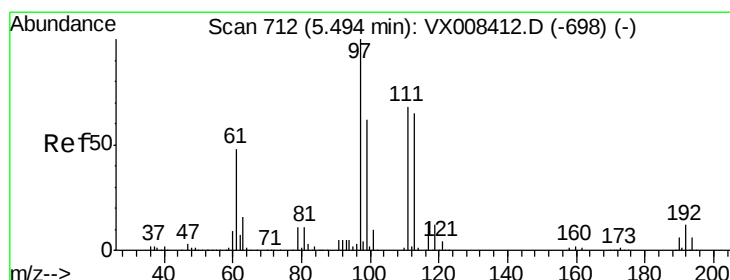
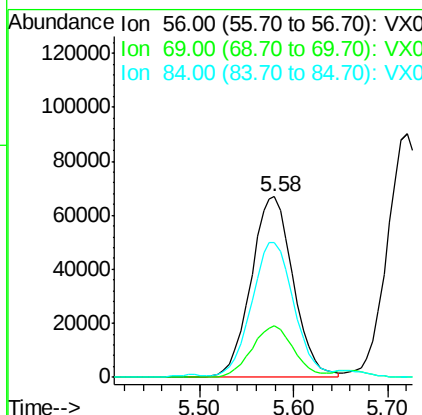
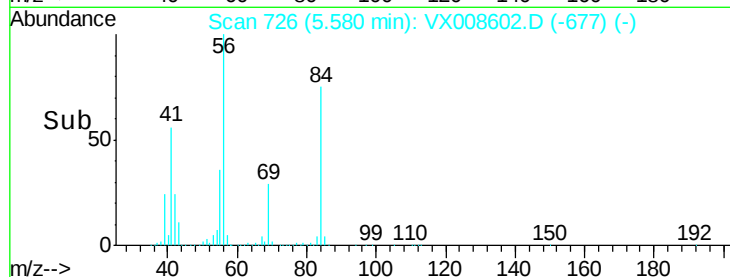
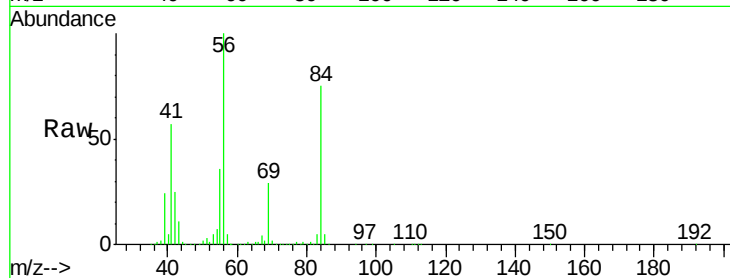
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	208820
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.2	34.8
84	73.3	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.945 ug/l

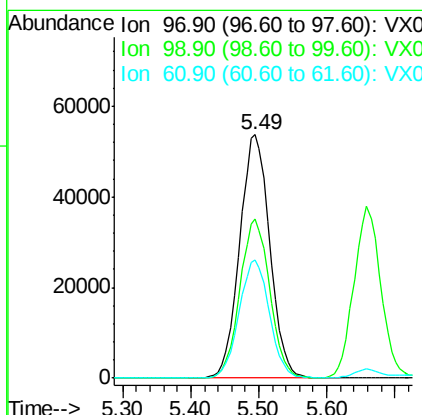
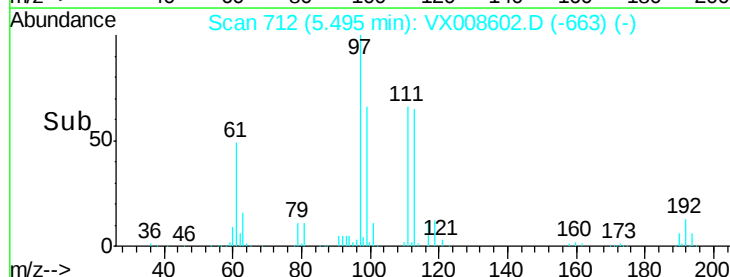
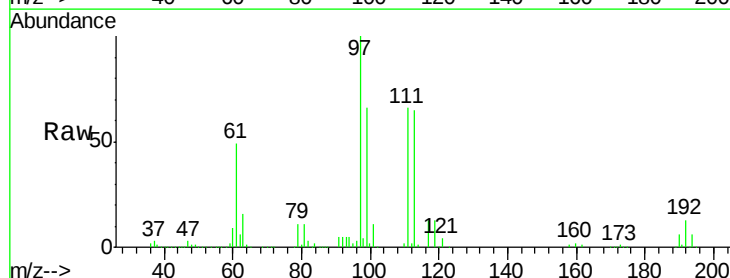
RT: 5.49 min Scan# 712

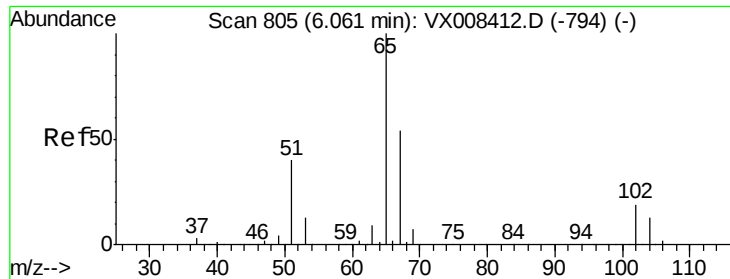
Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion:	97	Resp:	165414
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	48.8	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 49.758 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 135929

Ion Ratio Lower Upper

65 100

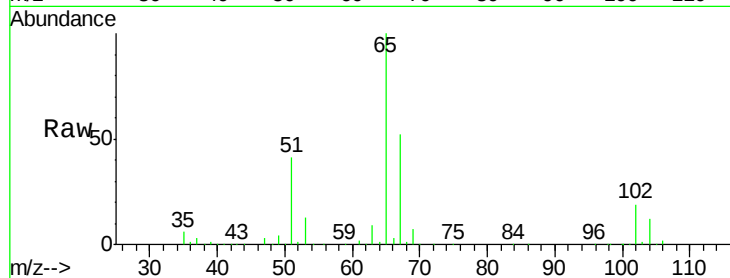
67 53.7 0.0 109.4

Manual Integrations

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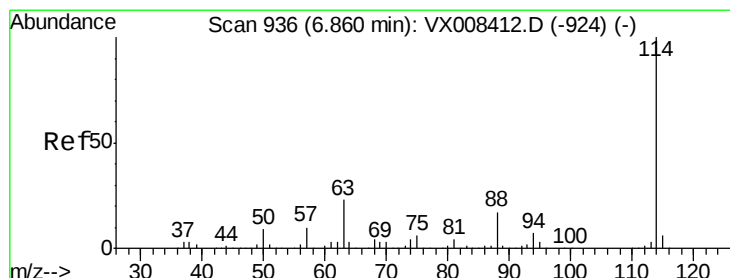
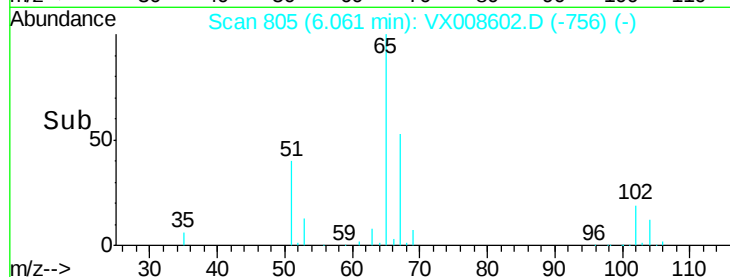
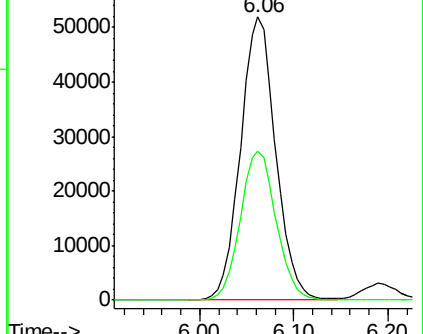
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

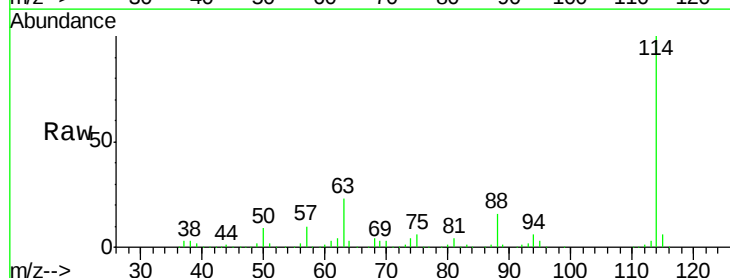
Tgt Ion: 114 Resp: 305406

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.4

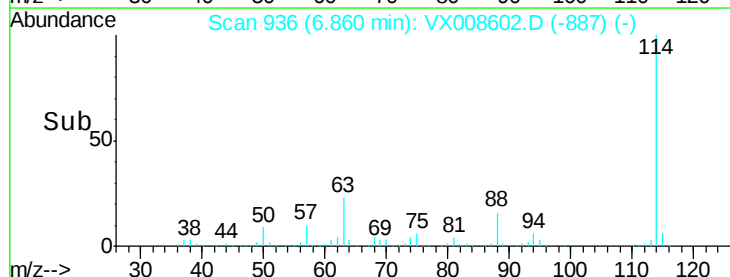
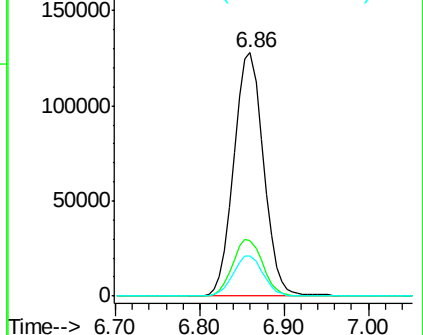
88 16.5 0.0 33.2

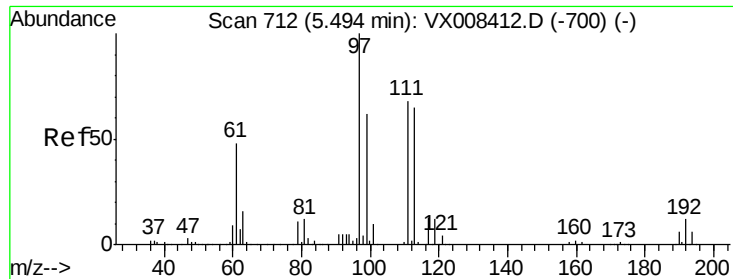


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





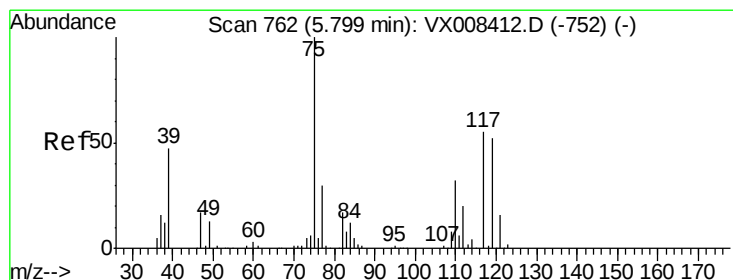
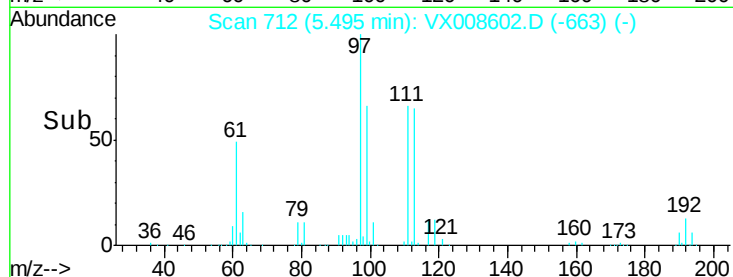
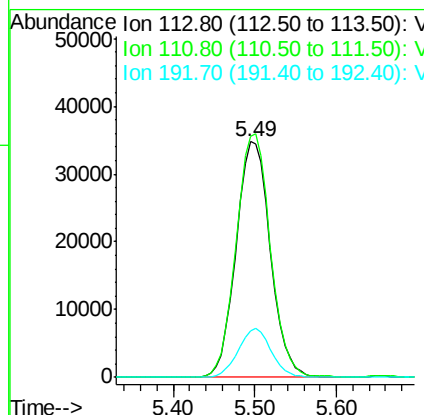
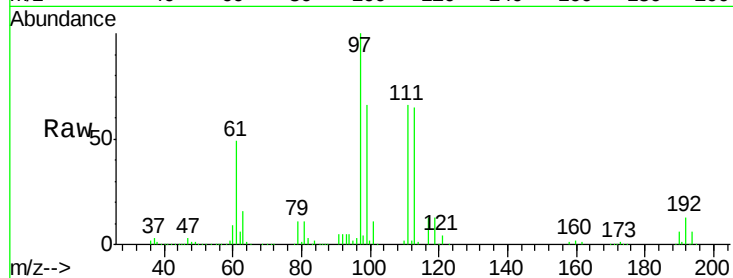
#35
 Dibromofluoromethane
 Concen: 50.871 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101304		
111	103.1	83.0	124.4	
192	20.1	15.6	23.4	

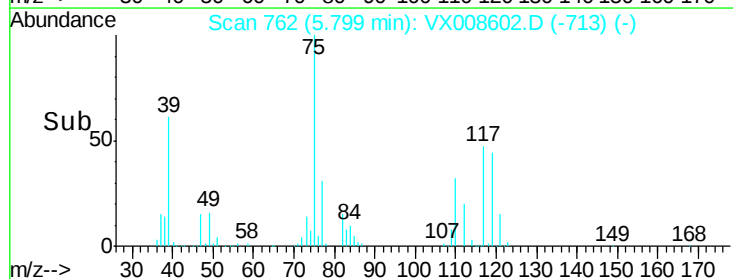
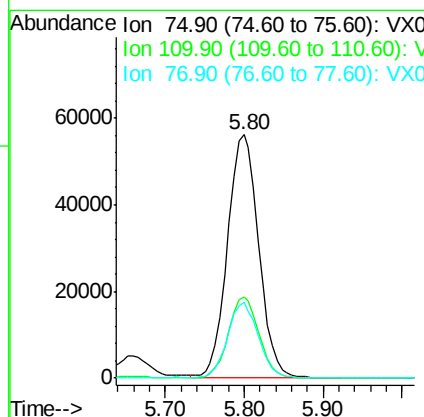
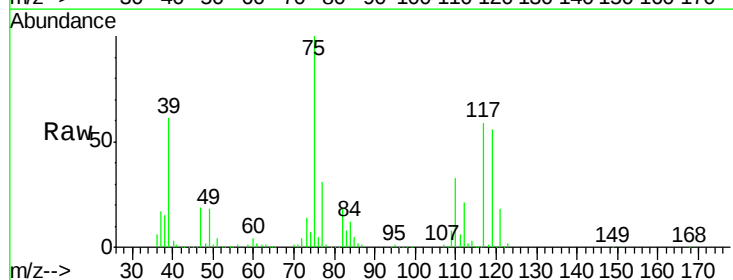
Manual Integrations
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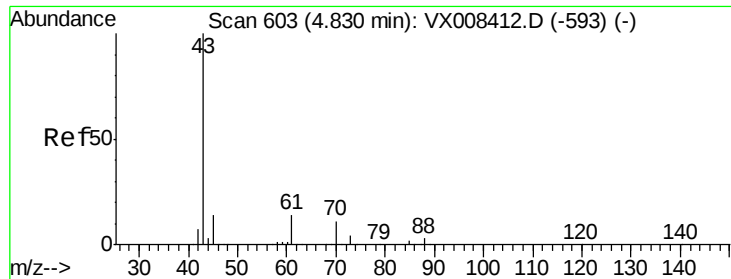
MMDadoda
 4/3/2019 11:33:03 AM



#36
 1,1-Dichloropropene
 Concen: 47.404 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154363		
110	33.0	16.6	49.7	
77	30.9	24.2	36.2	





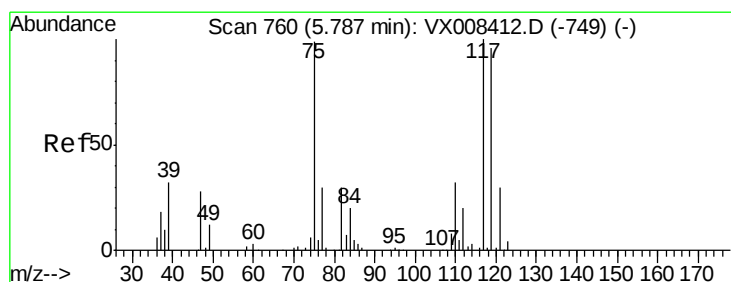
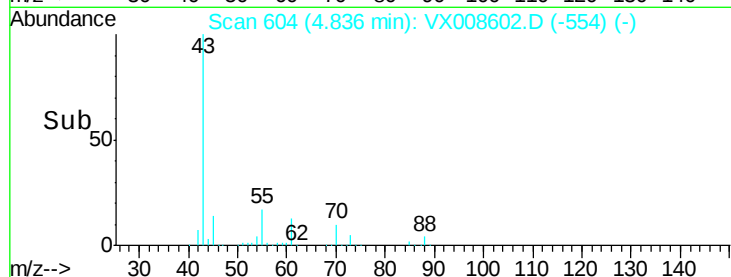
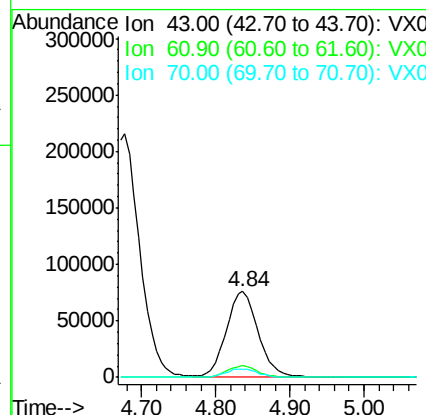
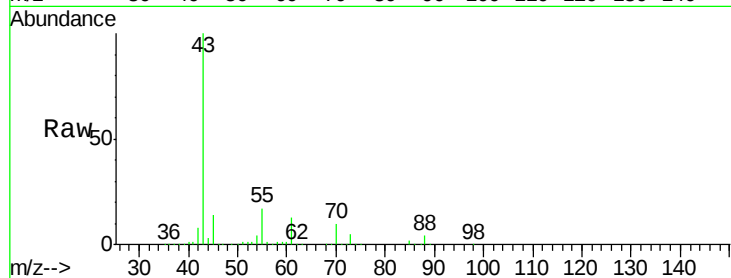
#37
Ethyl Acetate
Concen: 53.523 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.9	7.8	11.8

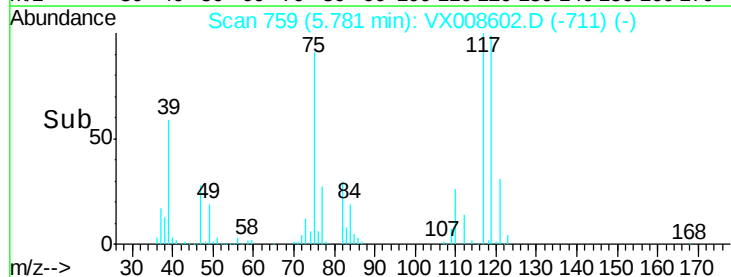
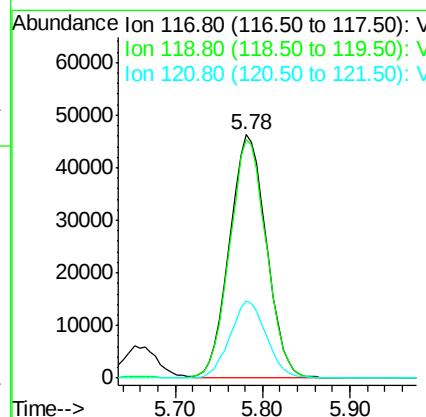
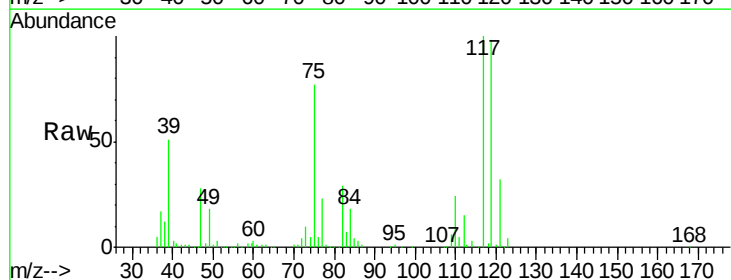
Manual Integrations
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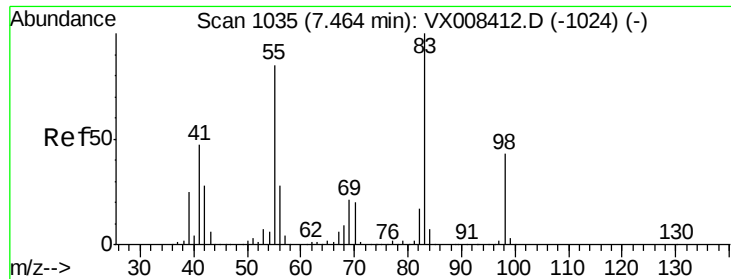
MMDadoda
4/3/2019 11:33:03 AM



#38
Carbon Tetrachloride
Concen: 49.874 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.7	115.1
121	31.6	24.3	36.5





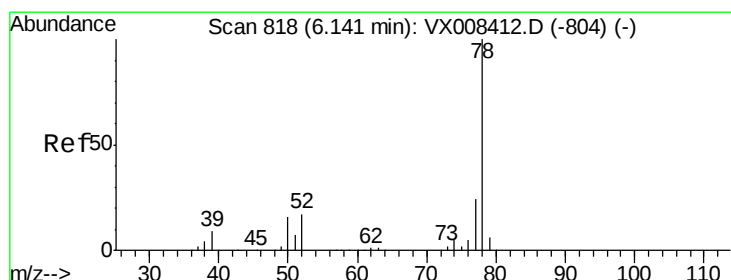
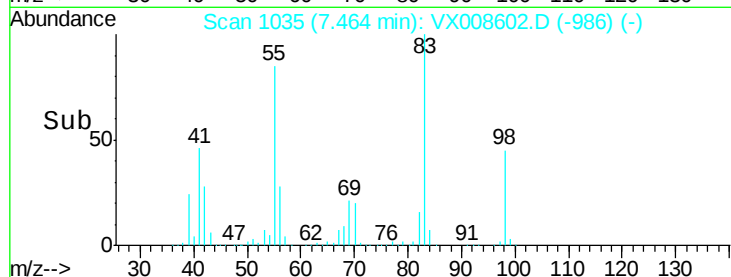
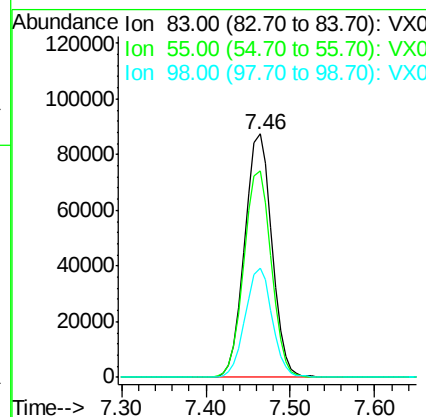
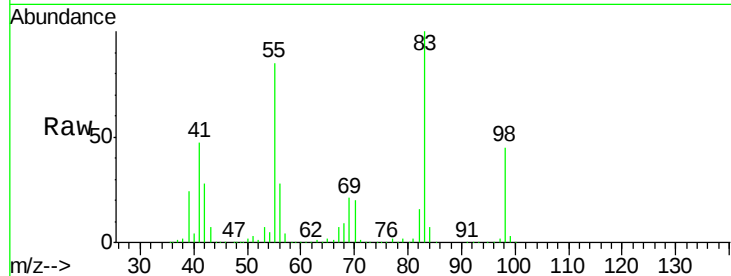
#39
Methylvlcyclohexane
Concen: 48.882 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	68.2	102.4
98	44.6	34.2	51.4

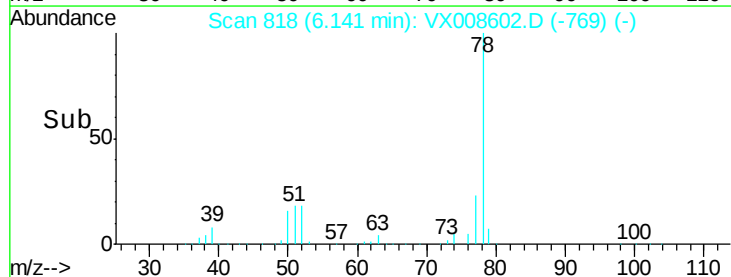
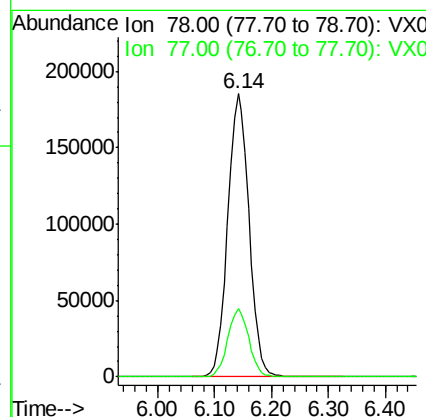
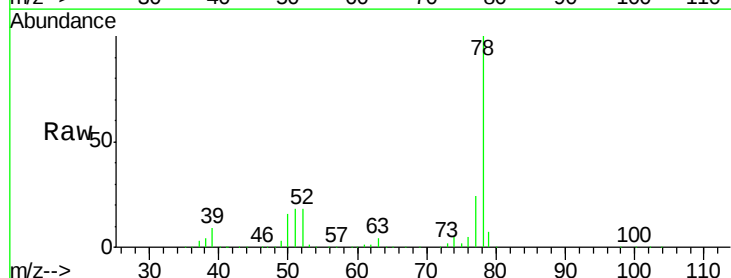
Manual Integrations
APPROVED

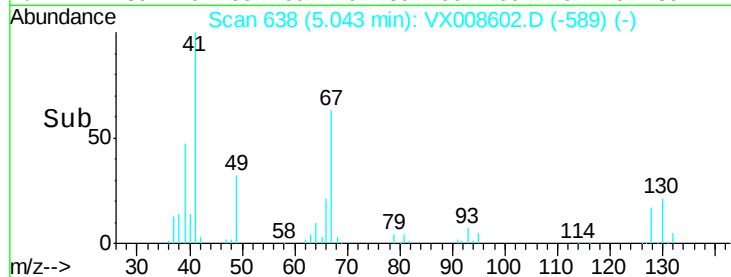
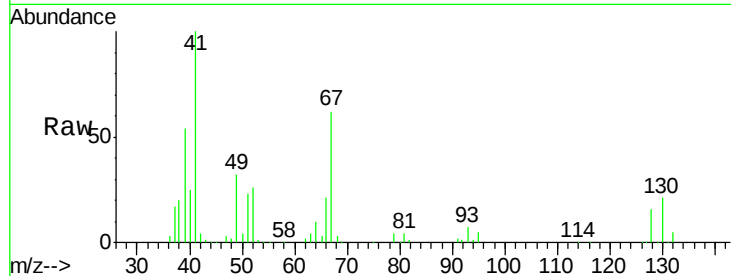
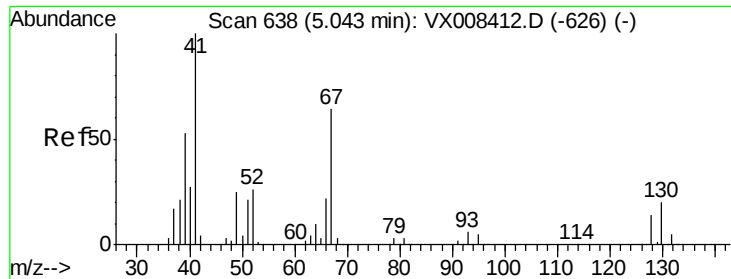
MMDadoda
4/3/2019 11:33:03 AM



#40
Benzene
Concen: 49.503 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 54.126 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.6	64.0	
67	64.5	52.2	78.4	
52	26.7	21.4	32.0	

Instrument :

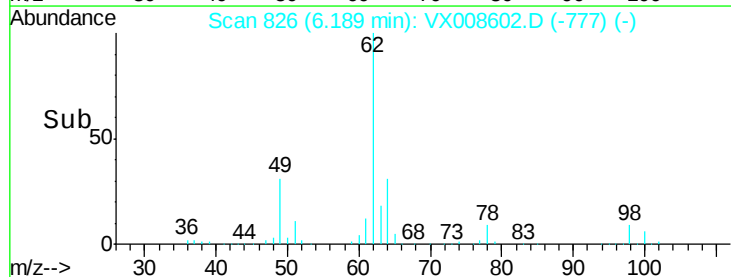
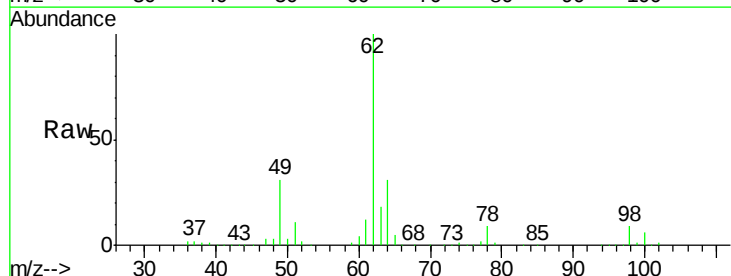
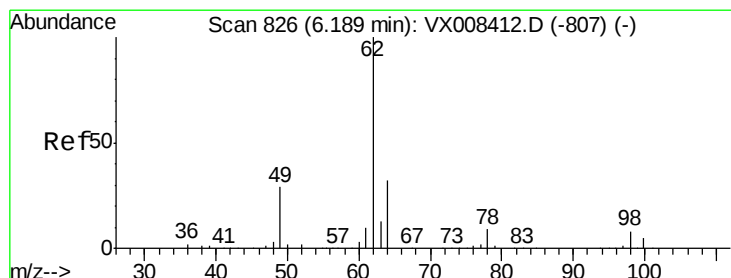
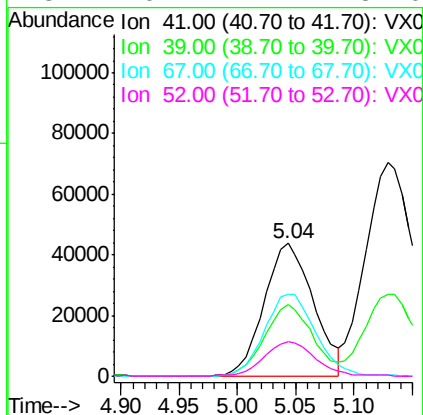
MSVOA_X

ClientSampled :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/3/2019 11:33:03 AM



#42

1,2-Dichloroethane

Concen: 48.755 ug/l

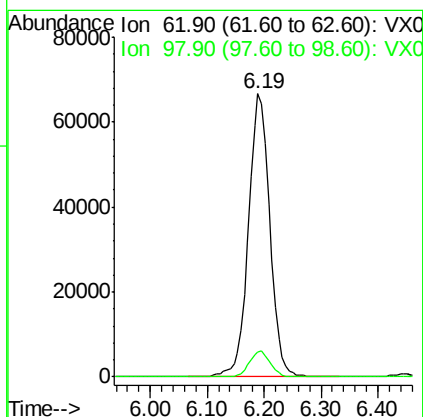
RT: 6.19 min Scan# 826

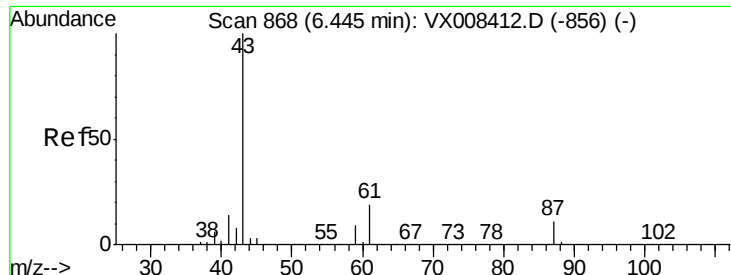
Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.6	





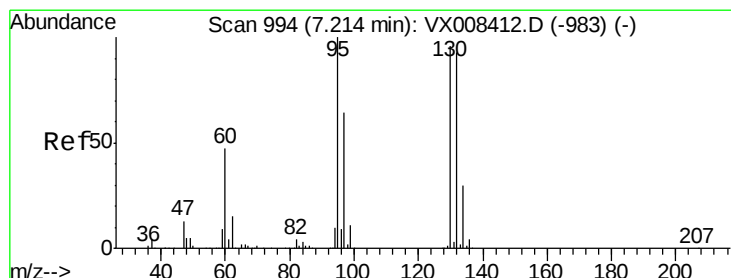
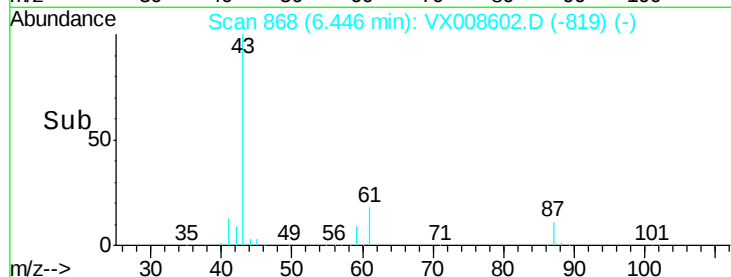
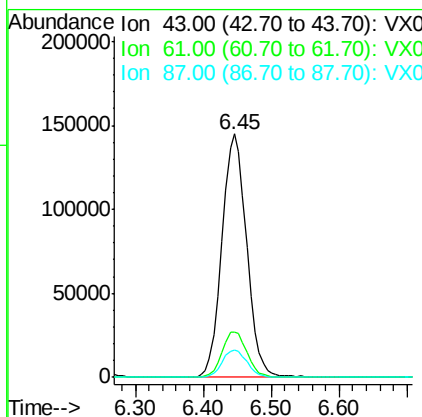
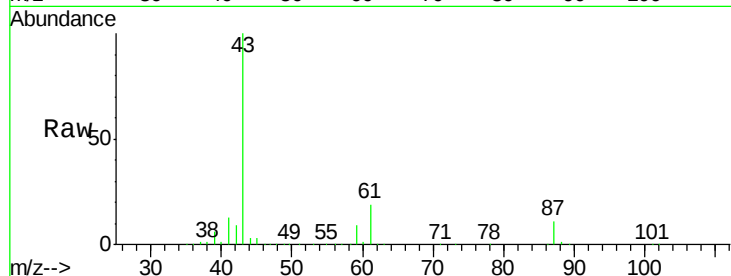
#43
Isopropyl Acetate
Concen: 53.988 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.2
87	11.3	9.1	13.7

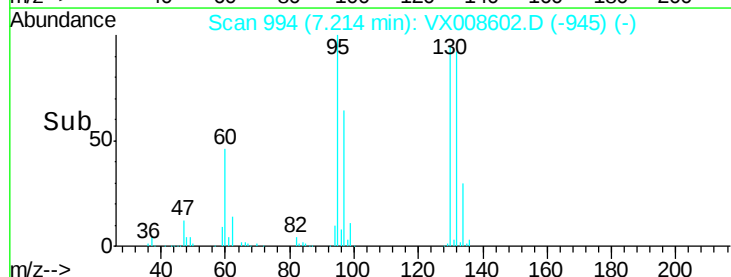
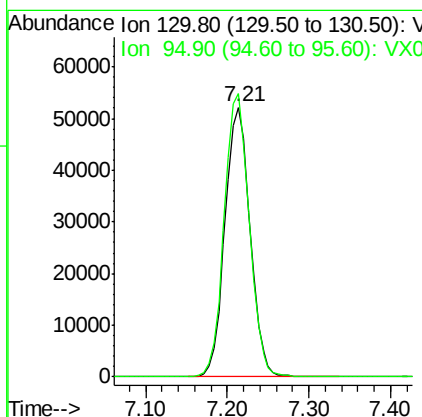
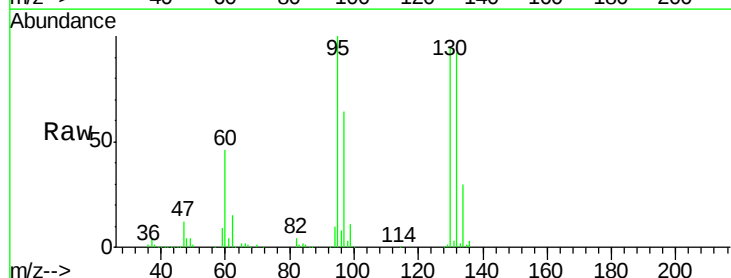
Manual Integrations
APPROVED

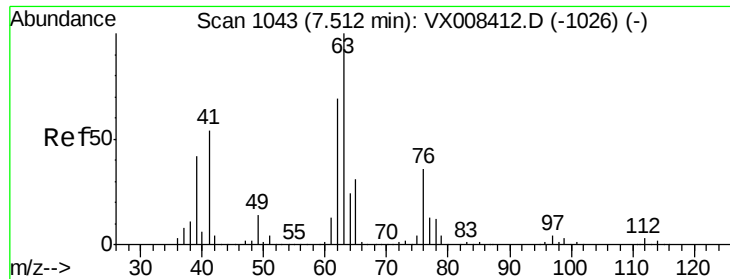
MMDadoda
4/3/2019 11:33:03 AM



#44
Trichloroethene
Concen: 48.503 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	208.8





#45

1,2-Dichloropropane

Concen: 51.095 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 141581

Ion Ratio Lower Upper

63 100

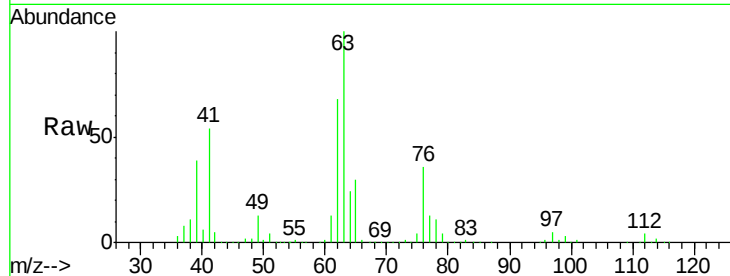
65 30.3 25.1 37.7

Manual Integrations

APPROVED

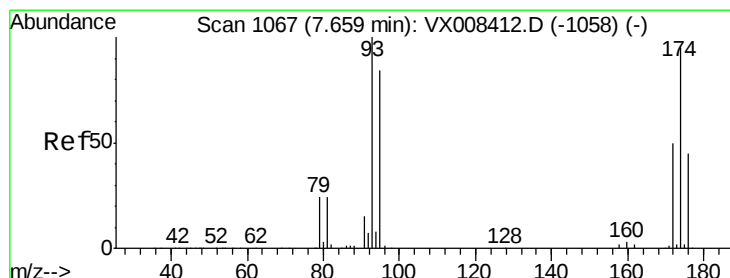
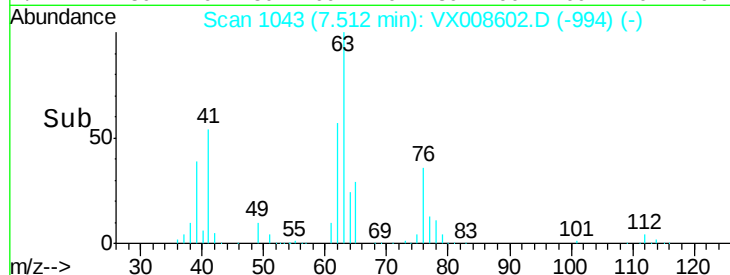
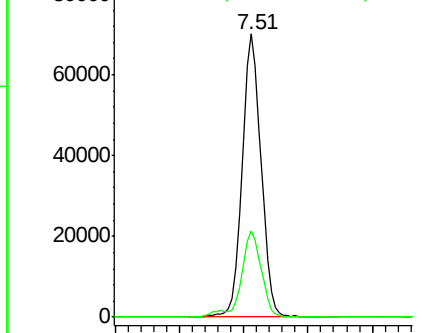
MMDadoda

4/3/2019 11:33:03 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.446 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

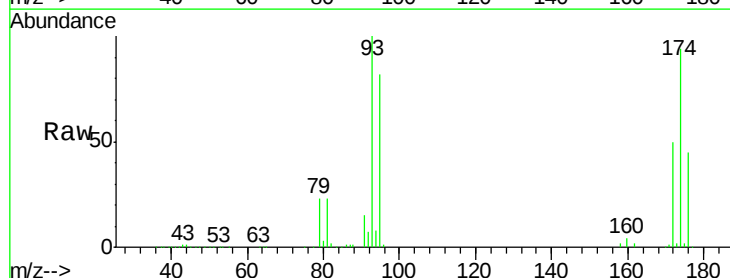
Tgt Ion: 93 Resp: 80008

Ion Ratio Lower Upper

93 100

95 81.5 67.0 100.6

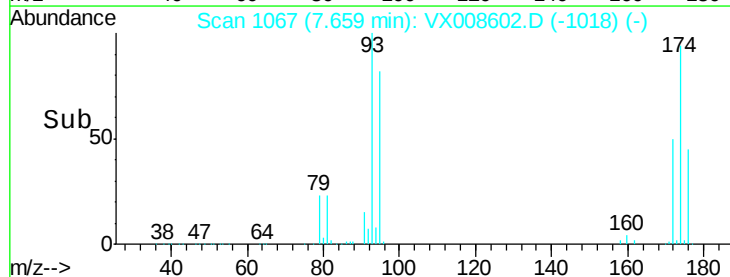
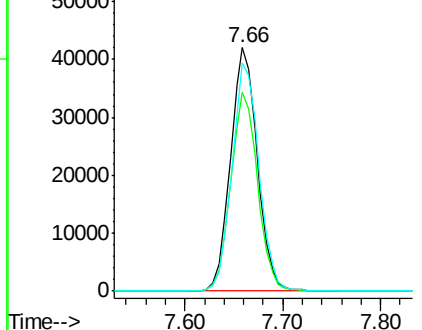
174 94.3 76.0 114.0

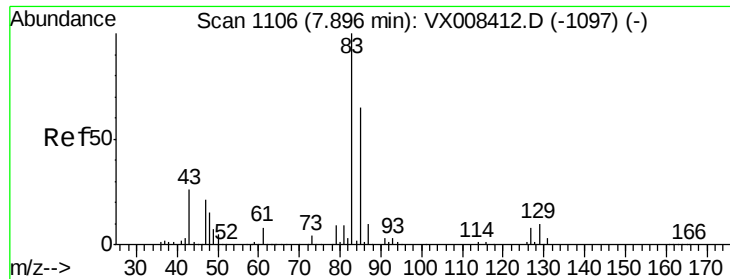


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.057 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 161226

Ion Ratio Lower Upper

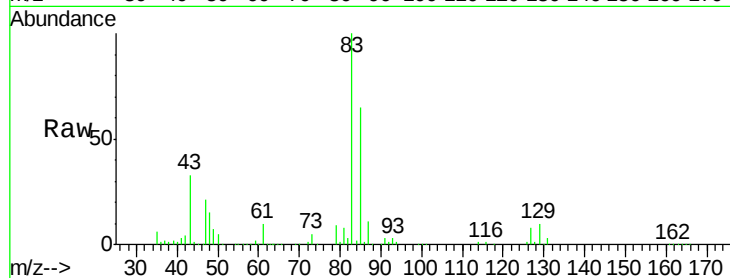
83 100

85 64.7 52.0 78.0

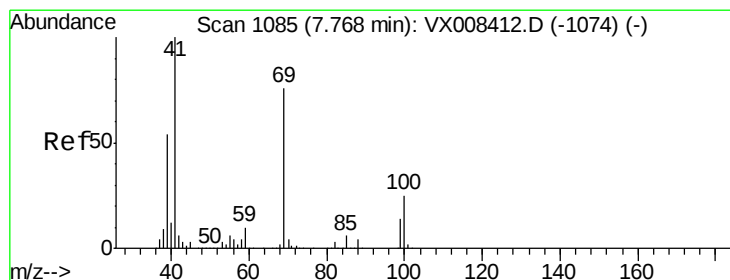
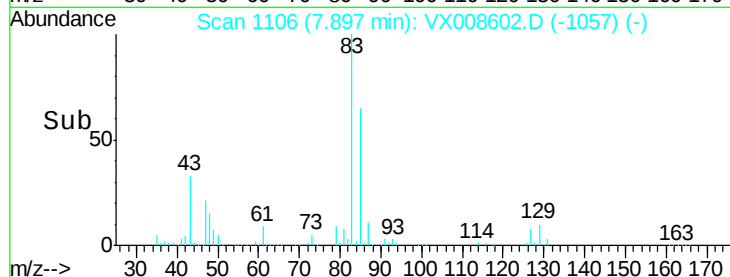
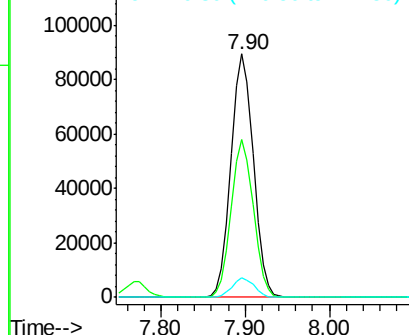
127 8.0 6.4 9.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.131 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

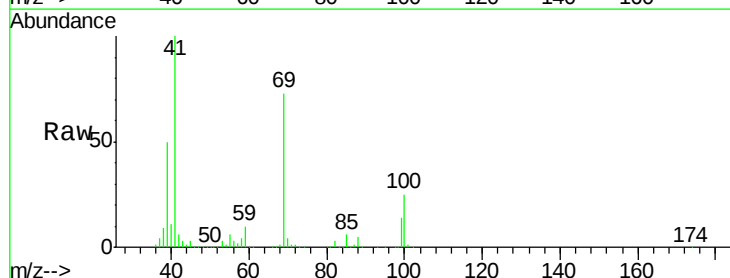
Tgt Ion: 41 Resp: 186131

Ion Ratio Lower Upper

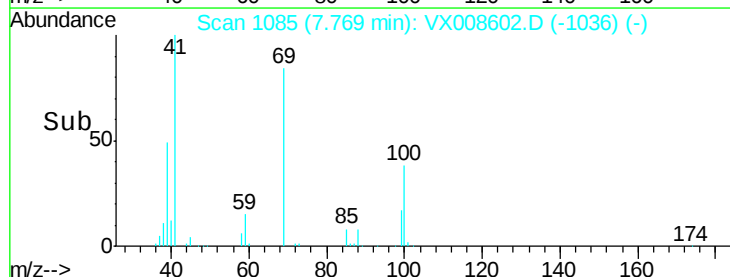
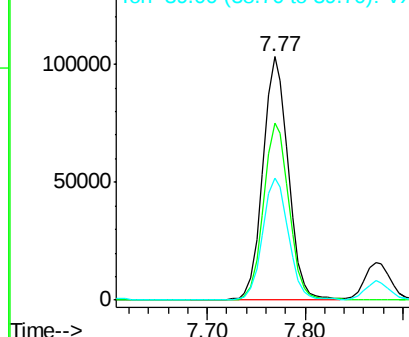
41 100

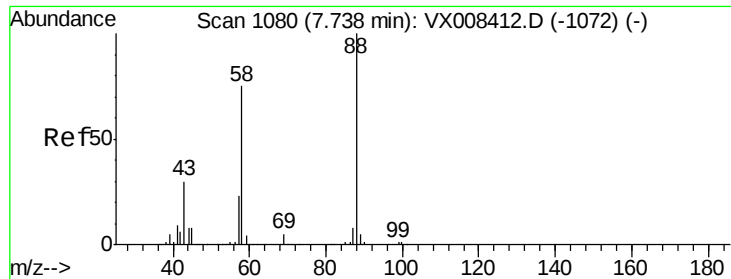
69 73.3 60.8 91.2

39 50.7 42.3 63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





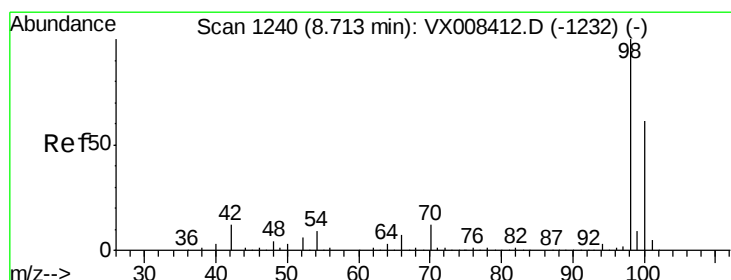
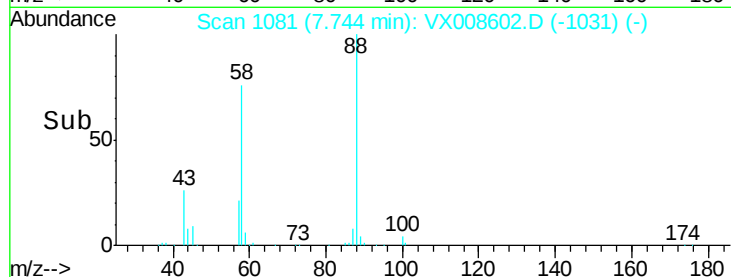
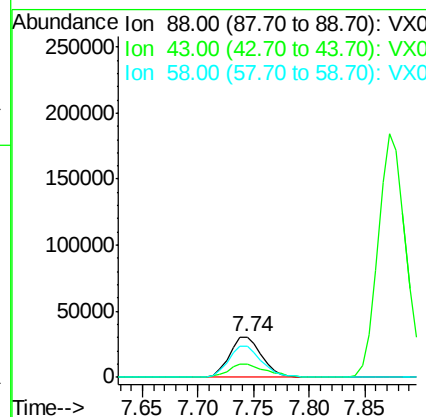
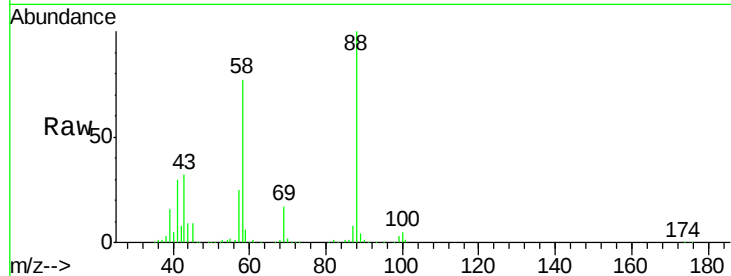
#49
1,4-Dioxane
Concen: 919.130 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	43.0
58	79.9	63.0	94.4

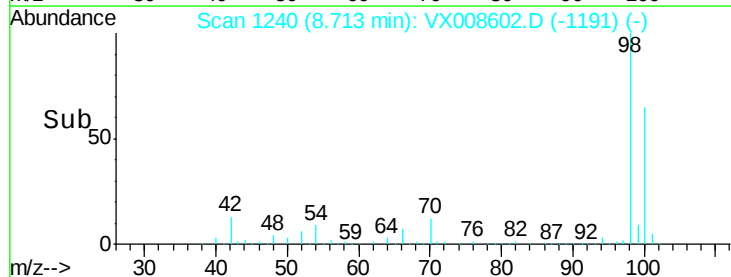
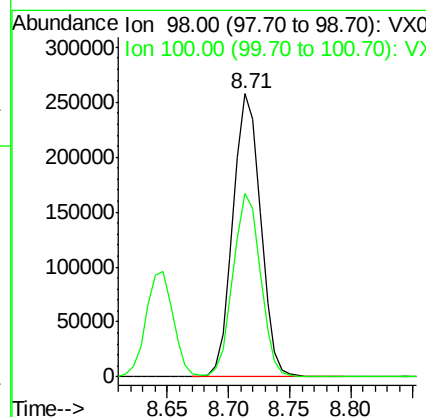
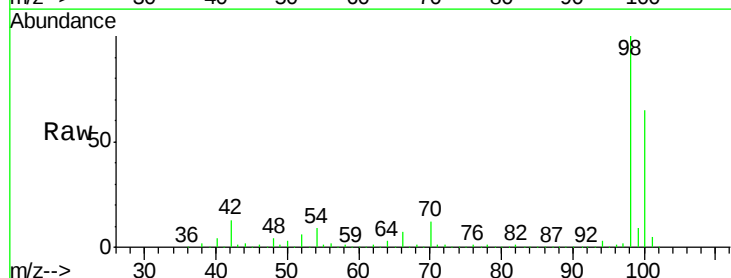
Manual Integrations
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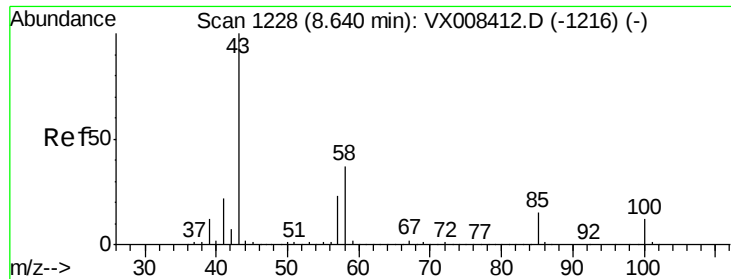
MMDadoda
4/3/2019 11:33:03 AM



#50
Toluene-d8
Concen: 50.721 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 279.278 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1223947

Ion Ratio Lower Upper

43 100

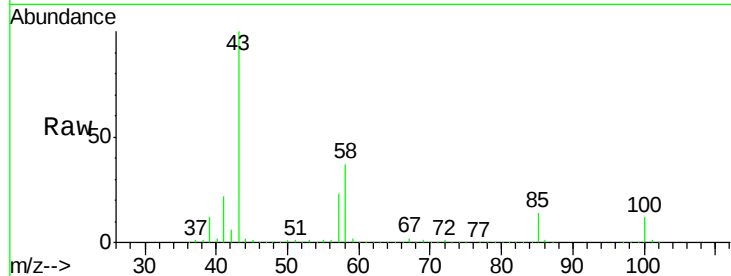
58 37.1 29.8 44.8

Manual Integrations

APPROVED

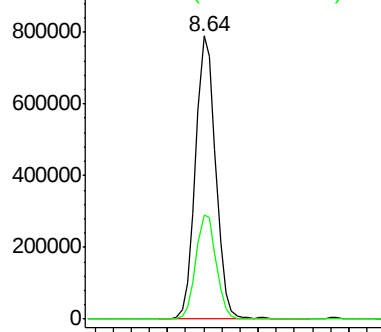
MMDadoda

4/3/2019 11:33:03 AM

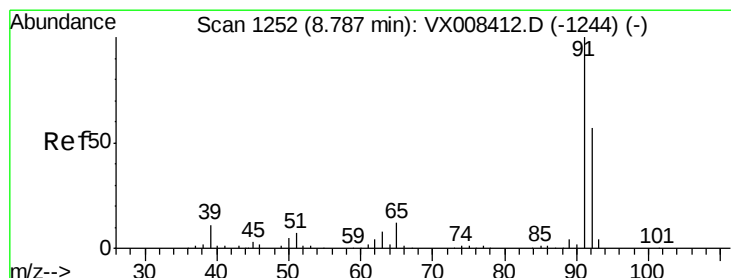
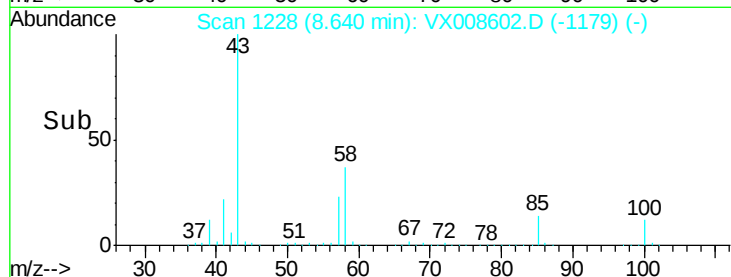


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 50.316 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008602.D

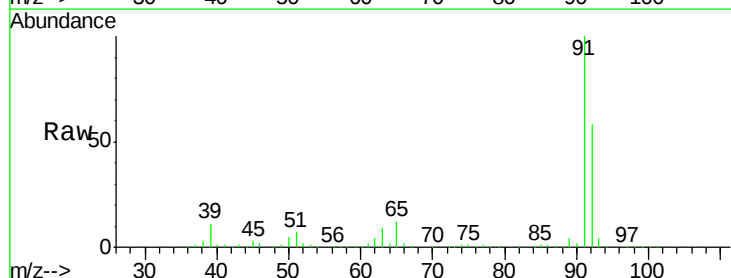
Acq: 02 Apr 2019 19:48

Tgt Ion: 92 Resp: 293289

Ion Ratio Lower Upper

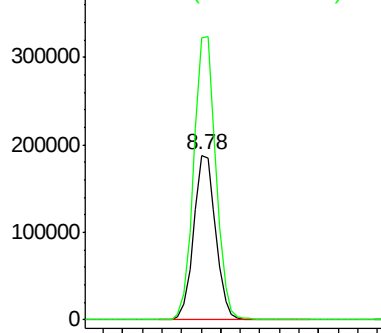
92 100

91 173.9 140.2 210.4

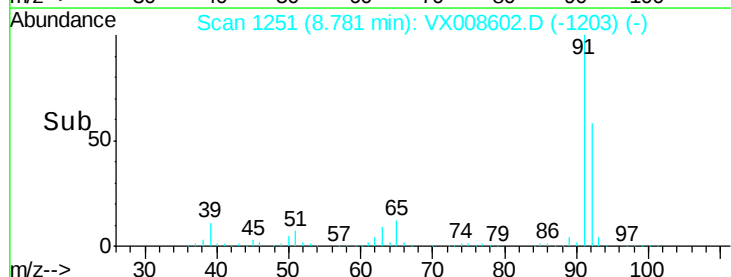


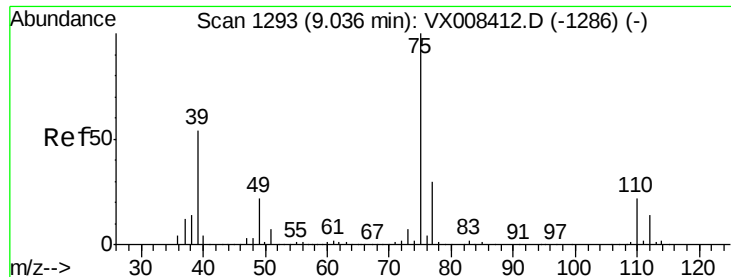
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.803 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 185909

Ion Ratio Lower Upper

75 100

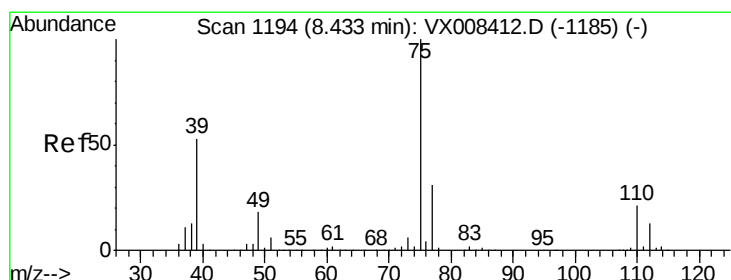
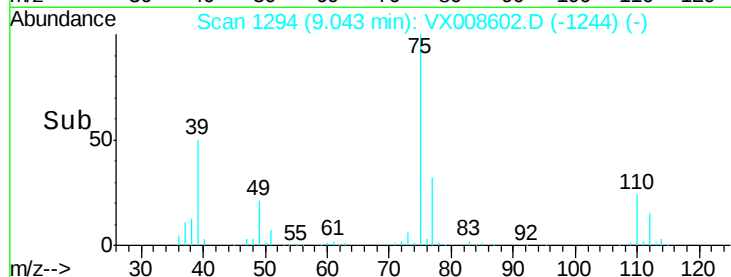
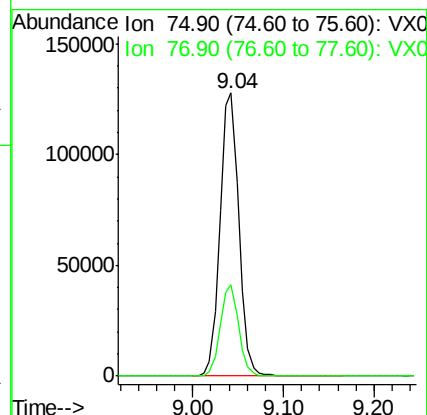
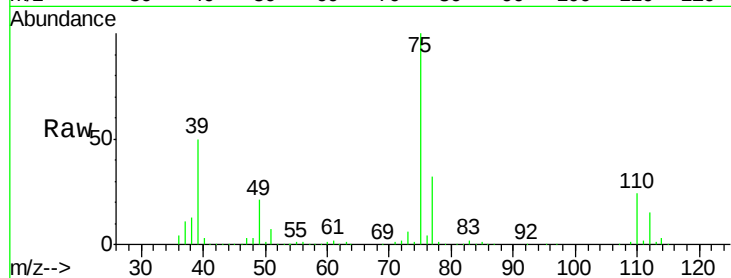
77 32.1 24.3 36.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.990 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

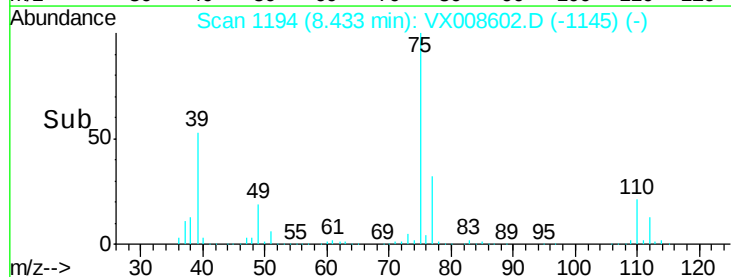
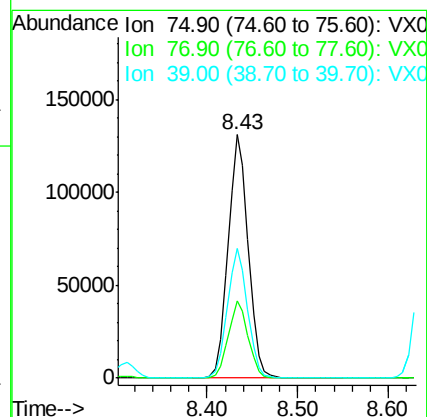
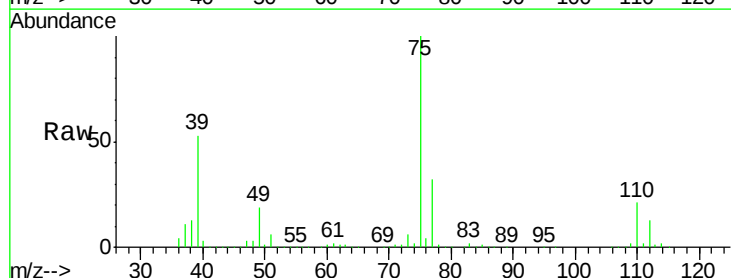
Tgt Ion: 75 Resp: 204409

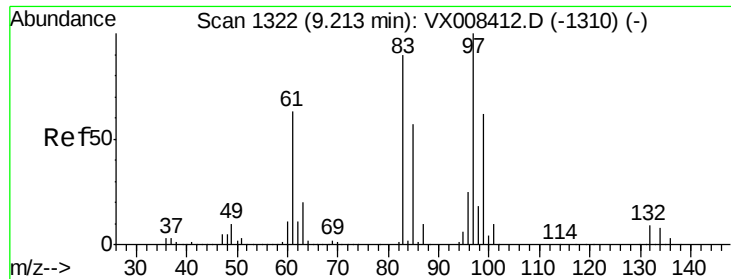
Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 53.4 42.4 63.6





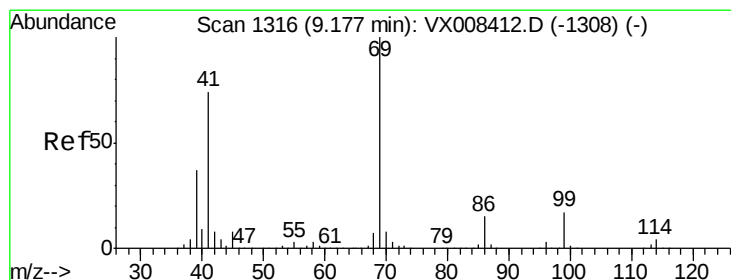
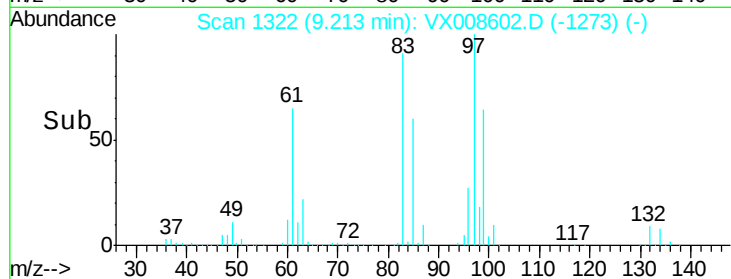
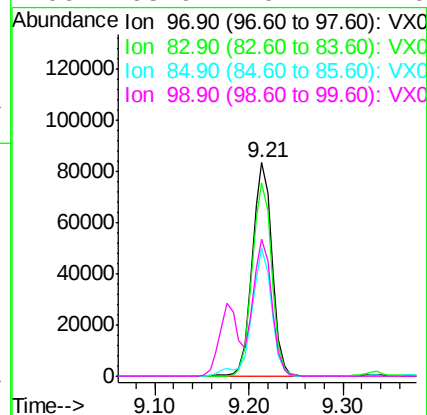
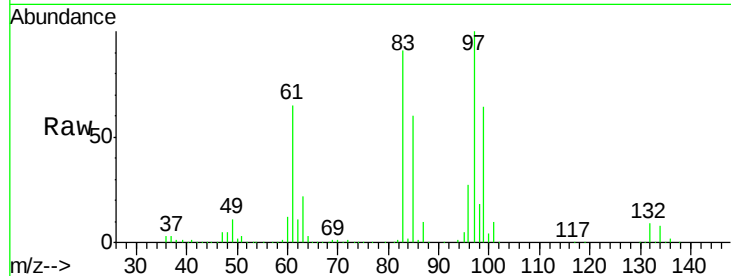
#55
 1,1,2-Trichloroethane
 Concen: 51.929 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	123215
Ion Ratio	Lower	Upper	
97	100		
83	90.7	71.8	107.6
85	59.7	45.9	68.9
99	63.9	49.4	74.0

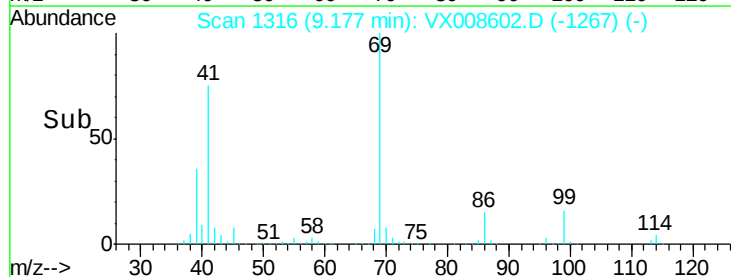
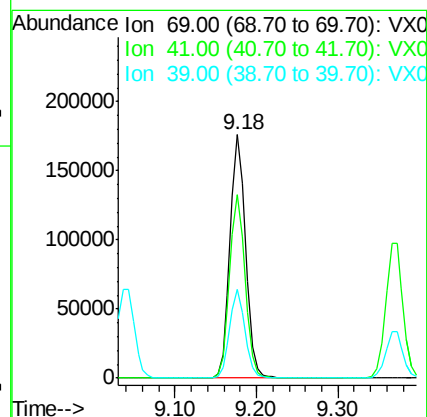
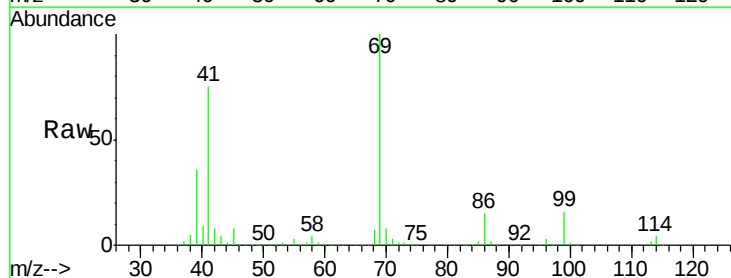
Manual Integrations
 APPROVED

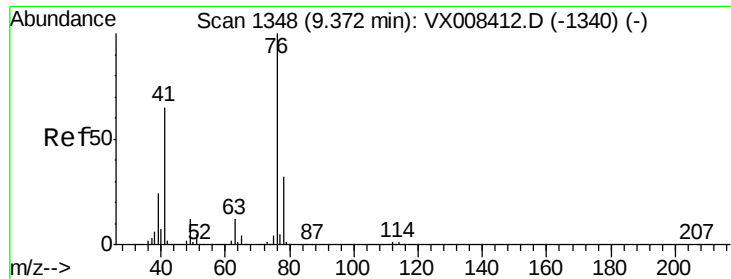
MMDadoda
 4/3/2019 11:33:03 AM



#56
 Ethyl methacrylate
 Concen: 54.293 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	69	Resp	232540
Ion Ratio	Lower	Upper	
69	100		
41	75.2	59.5	89.3
39	35.9	29.3	43.9





#57

1,3-Dichloropropane

Concen: 50.954 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 216768

Ion Ratio Lower Upper

76 100

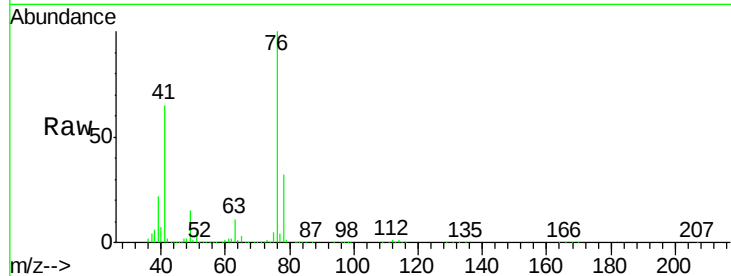
78 32.0 25.8 38.8

Manual Integrations

APPROVED

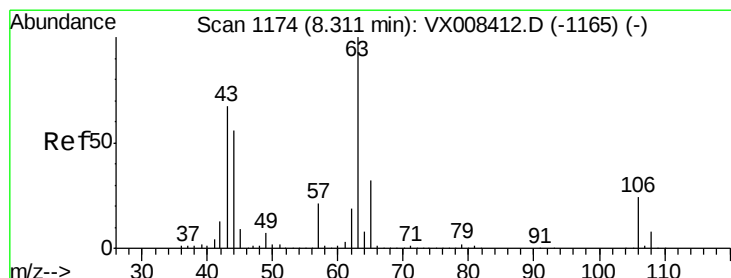
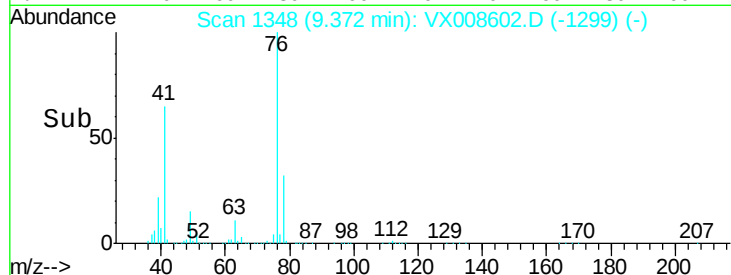
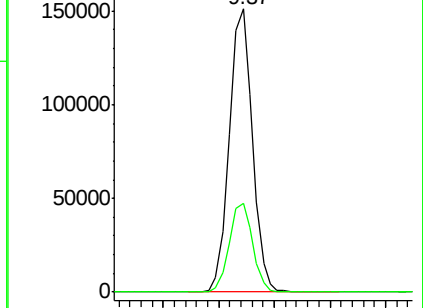
MMDadoda

4/3/2019 11:33:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 277.780 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008602.D

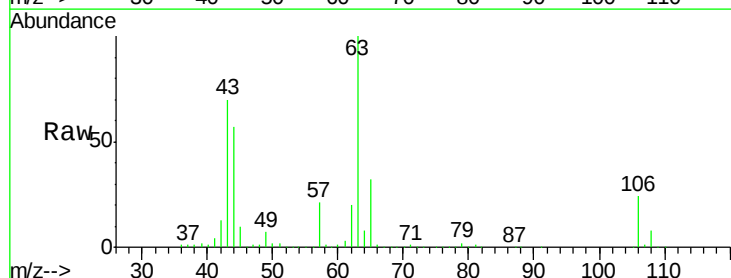
Acq: 02 Apr 2019 19:48

Tgt Ion: 63 Resp: 615001

Ion Ratio Lower Upper

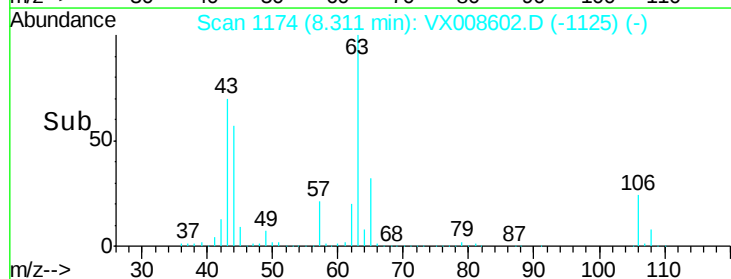
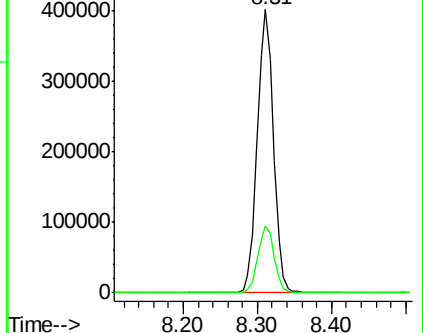
63 100

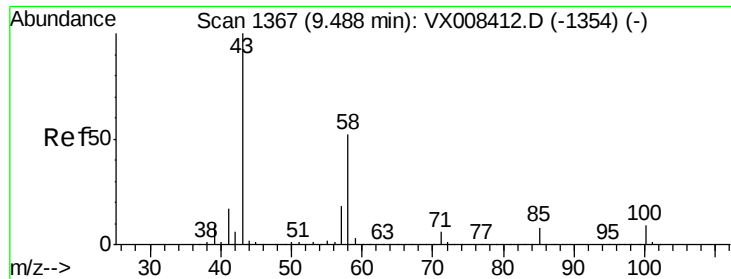
106 23.7 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





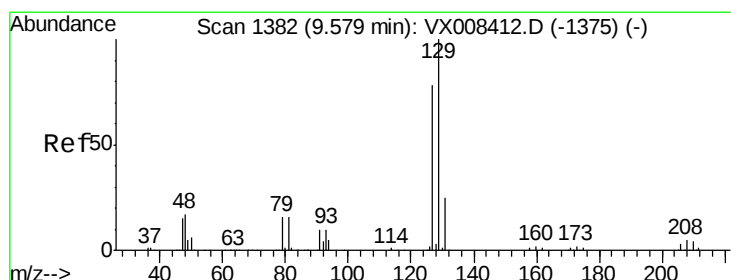
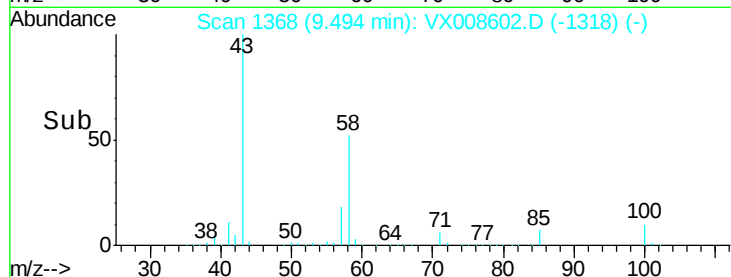
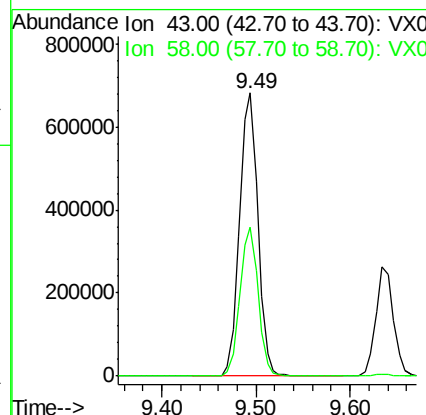
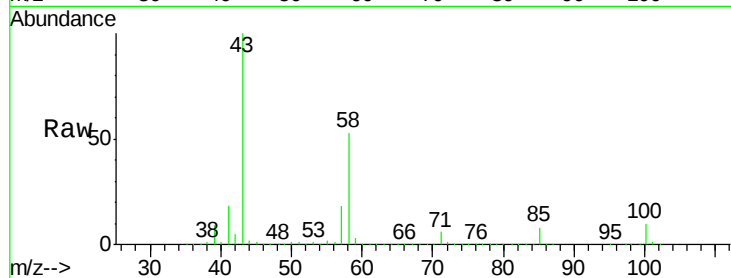
#59
2-Hexanone
Concen: 271.708 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 922678
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9

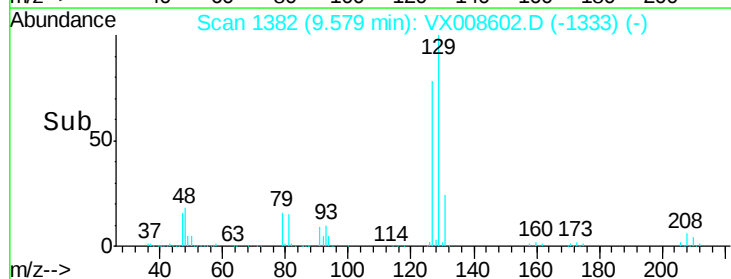
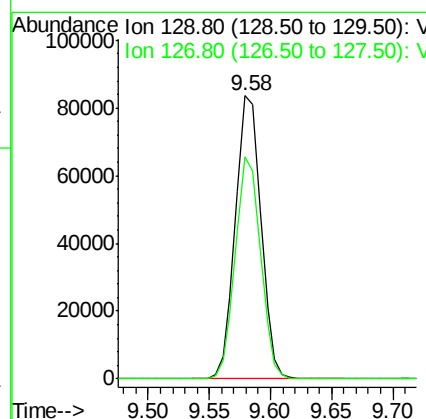
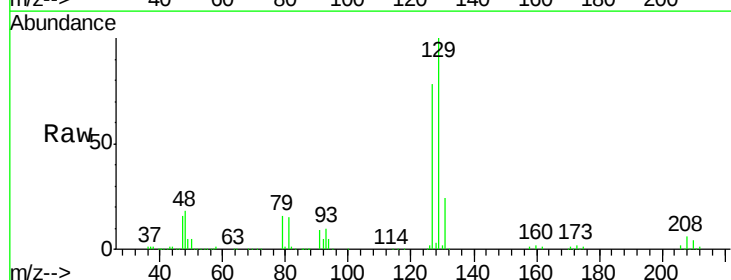
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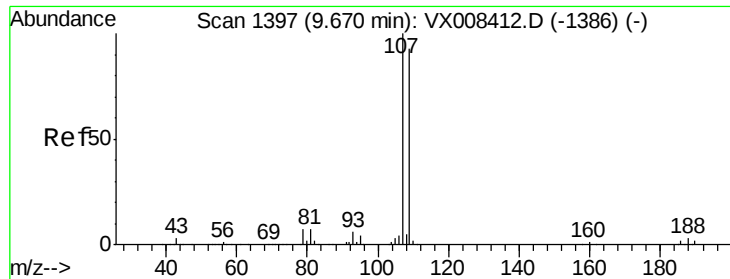
MMDadoda
4/3/2019 11:33:03 AM



#60
Dibromochloromethane
Concen: 53.643 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion: 129 Resp: 121048
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.174 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 123917

Ion Ratio Lower Upper

107 100

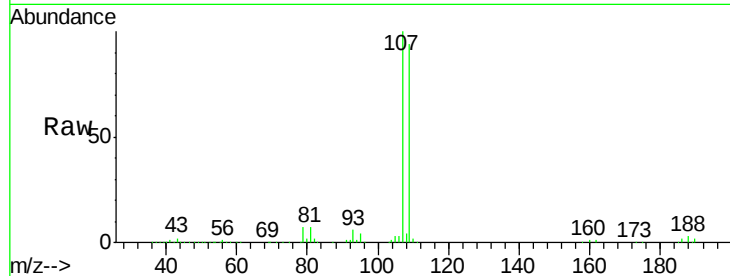
109 94.5 74.6 111.8

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

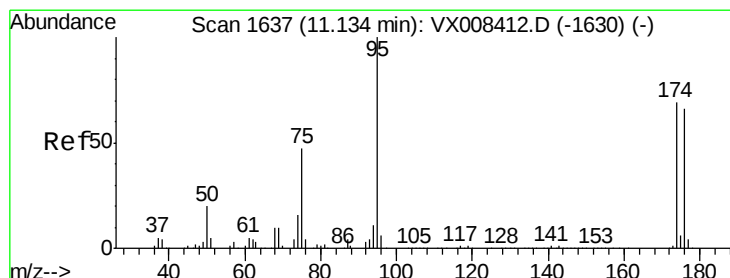
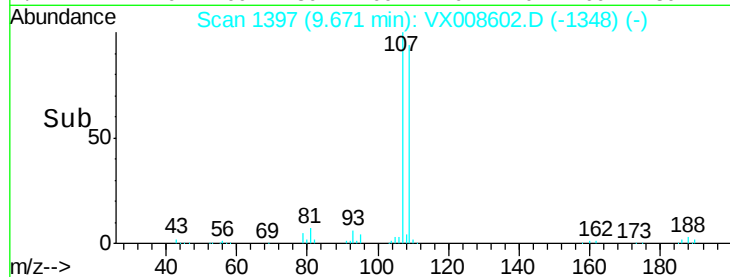
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

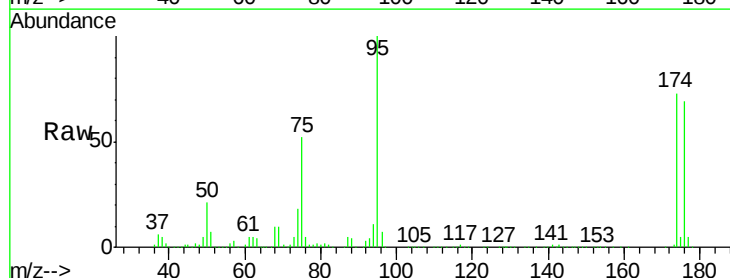
Tgt Ion: 95 Resp: 151833

Ion Ratio Lower Upper

95 100

174 76.5 0.0 147.2

176 74.2 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

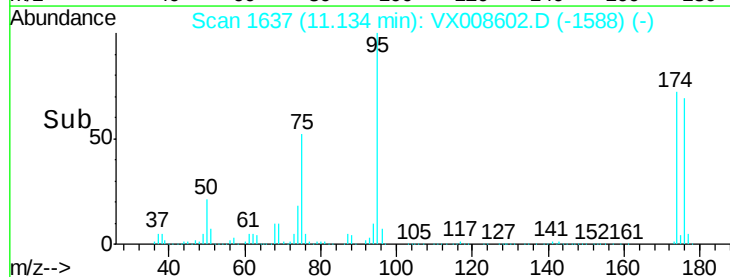
150000

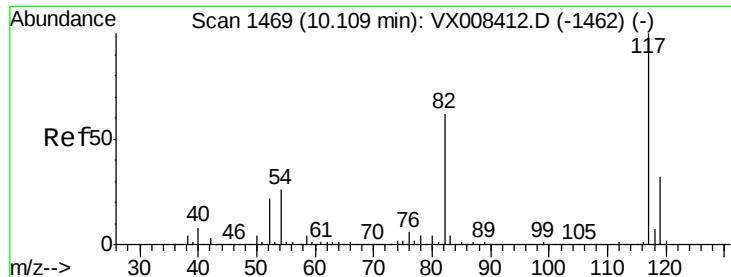
100000

50000

0

Time-->





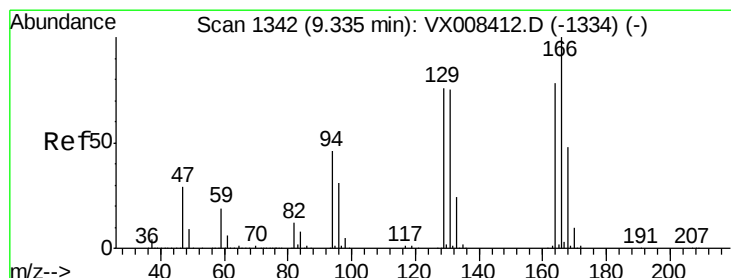
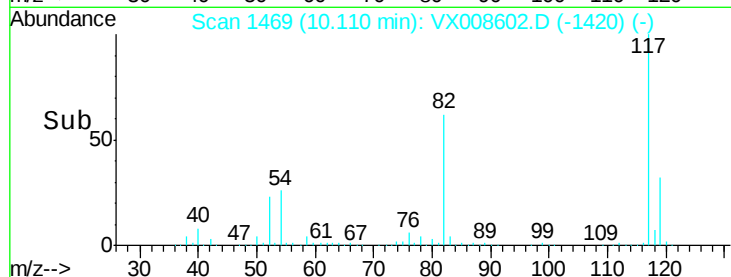
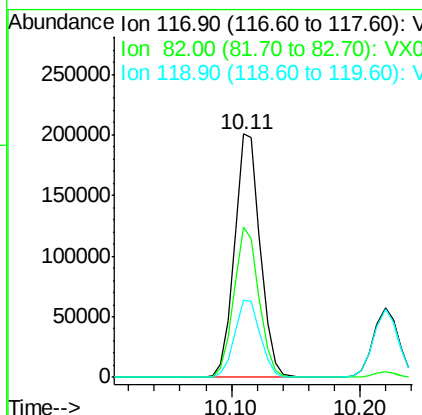
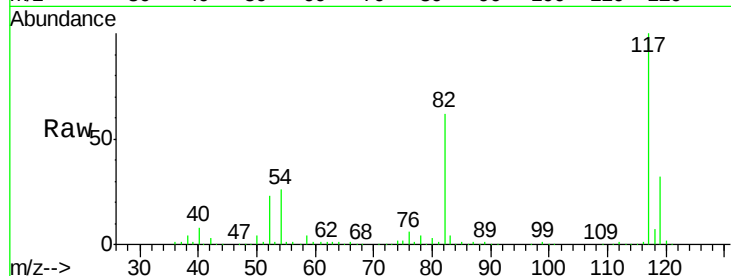
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.4	74.2
119	31.7	25.4	38.0

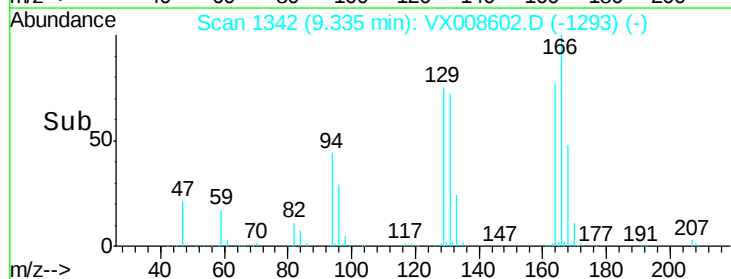
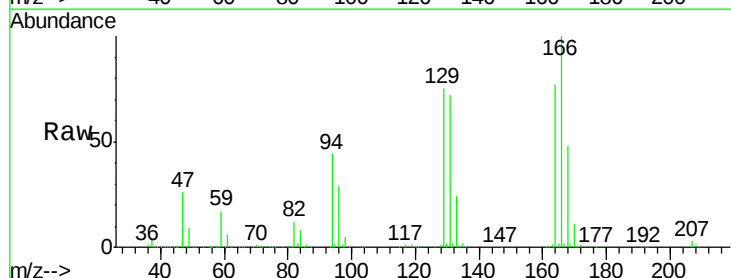
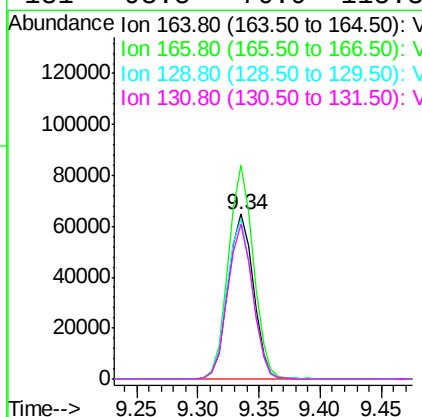
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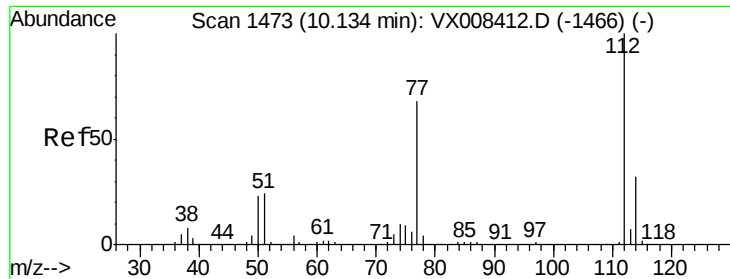
MMDadoda
4/3/2019 11:33:03 AM



#64
Tetrachloroethene
Concen: 49.654 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.5	153.7
129	96.9	77.8	116.8
131	93.5	76.9	115.3





#65

Chlorobenzene

Concen: 50.798 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 306243

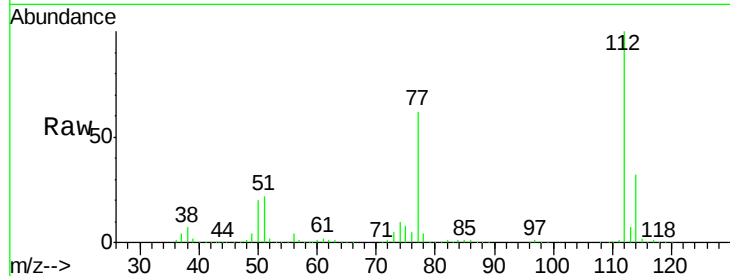
Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

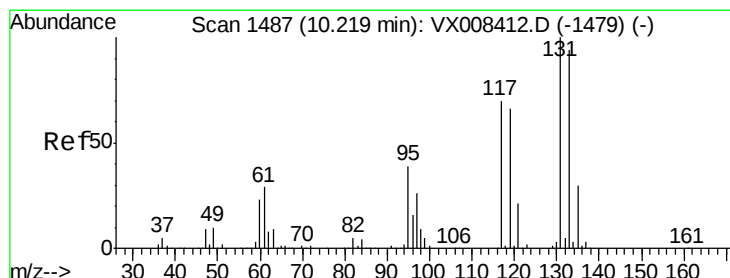
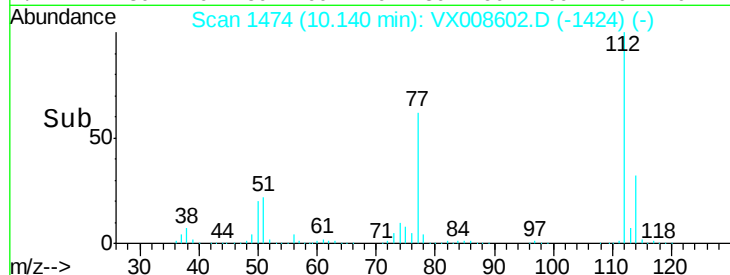
100000

50000

0

10.10 10.14 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.610 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

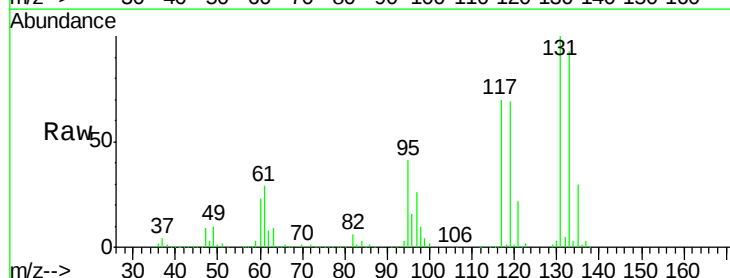
Tgt Ion:131 Resp: 109426

Ion Ratio Lower Upper

131 100

133 94.5 47.3 141.8

119 68.0 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

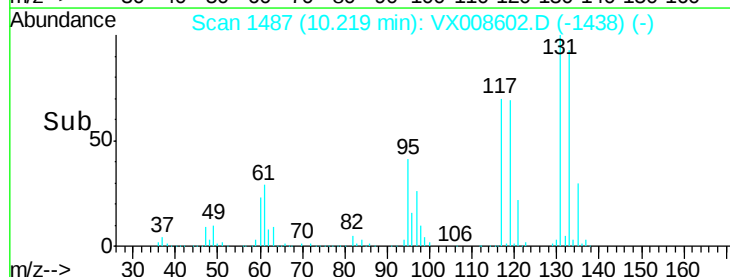
40000

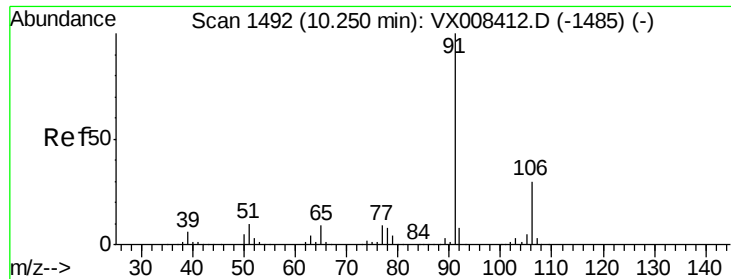
20000

0

10.20 10.22 10.30

Time-->





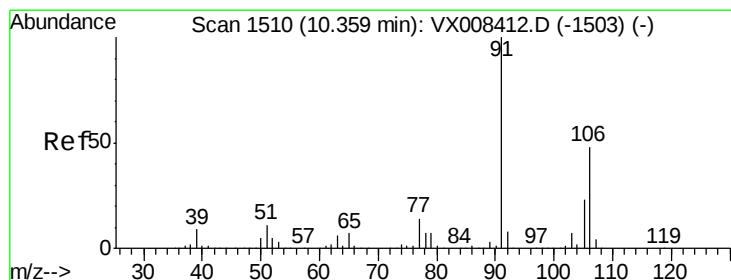
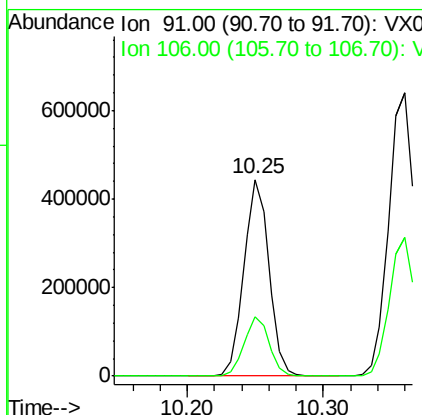
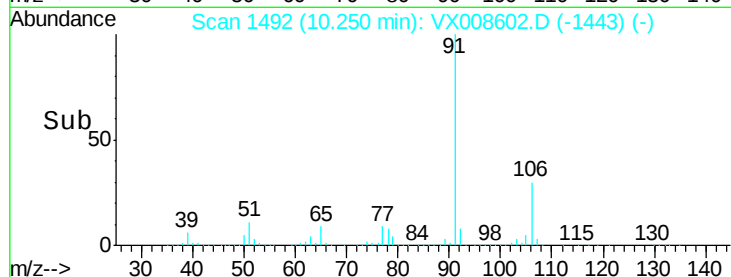
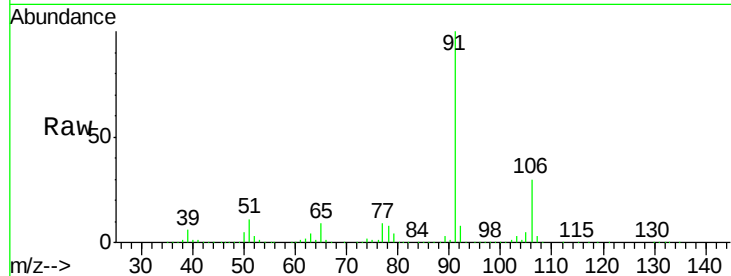
#67
Ethyl Benzene
Concen: 50.240 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 571621
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

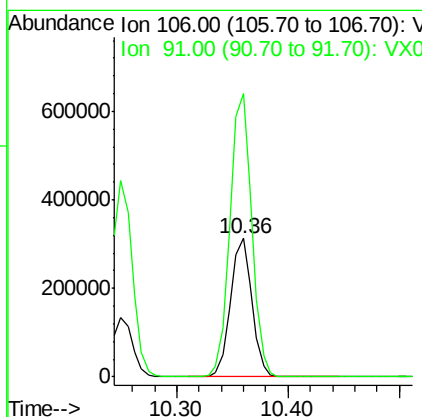
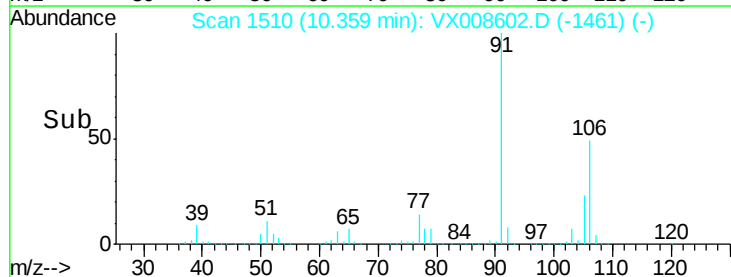
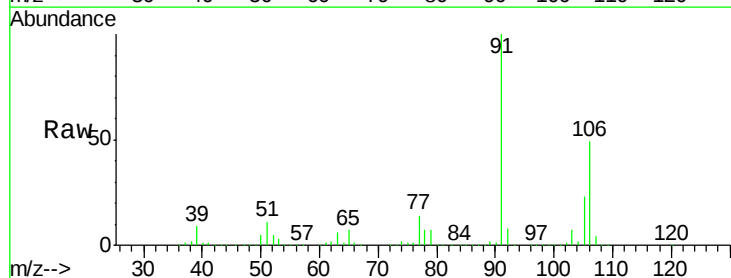
Manual Integrations
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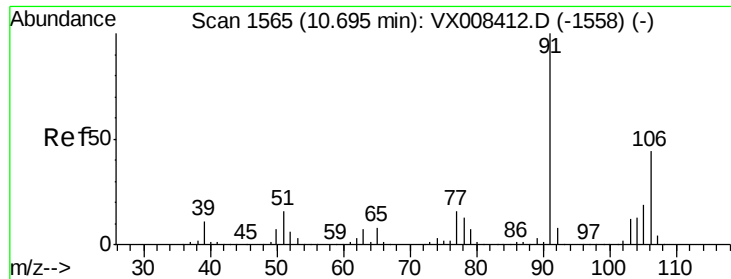
MMDadoda
4/3/2019 11:33:03 AM



#68
m/p-Xylenes
Concen: 100.314 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion: 106 Resp: 415223
Ion Ratio Lower Upper
106 100
91 208.1 168.6 253.0





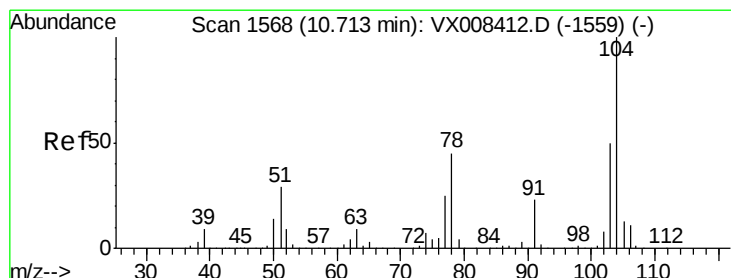
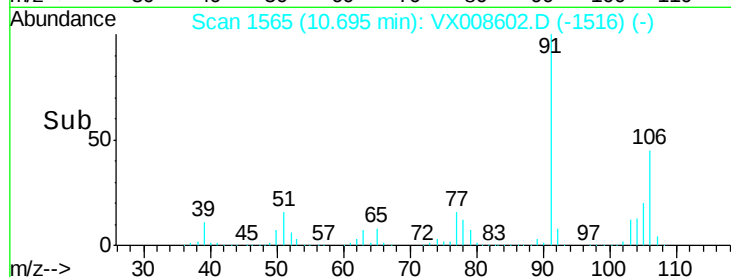
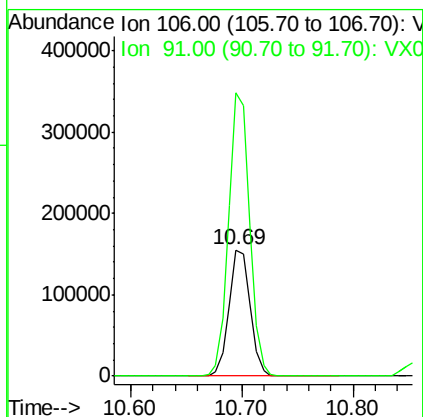
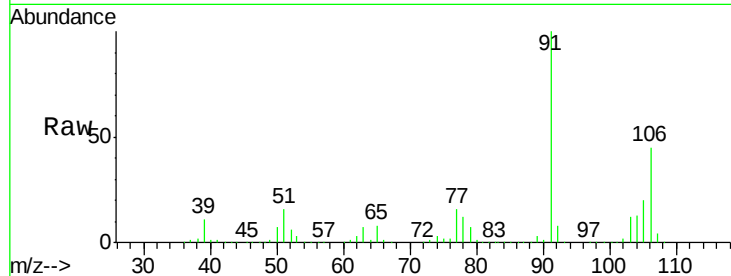
#69
o-Xylene
Concen: 50.721 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 203738
Ion Ratio Lower Upper
106 100
91 222.8 111.4 334.2

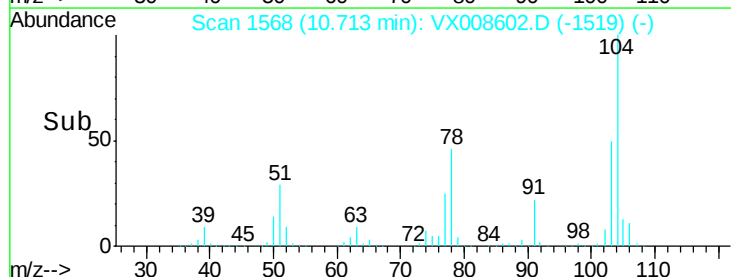
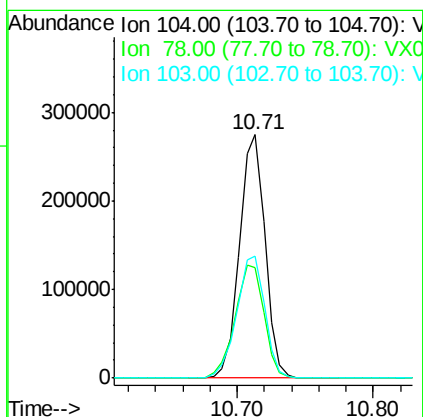
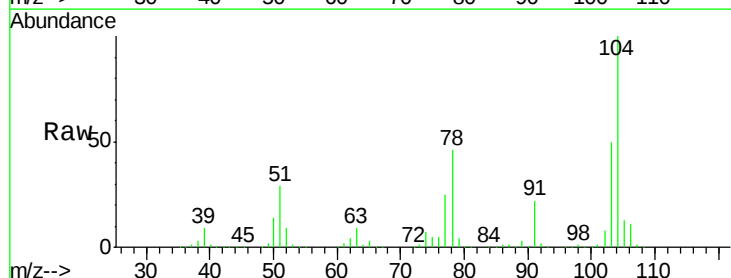
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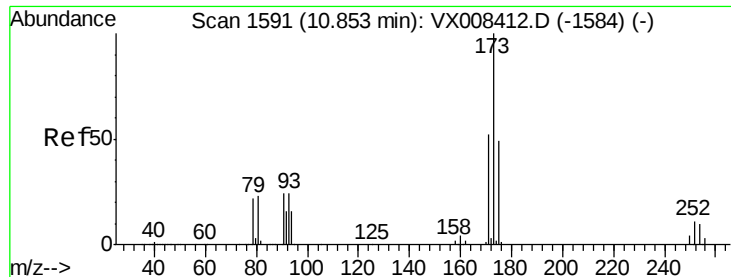
MMDadoda
4/3/2019 11:33:03 AM



#70
Styrene
Concen: 51.858 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion:104 Resp: 359816
Ion Ratio Lower Upper
104 100
78 52.7 42.5 63.7
103 55.3 44.2 66.4





#71

Bromoform

Concen: 54.467 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 89468

Ion Ratio Lower Upper

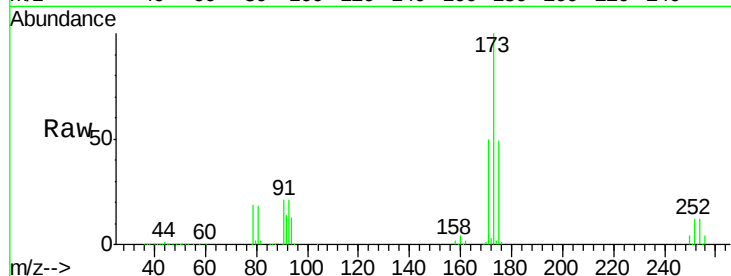
173 100

175 49.1 24.3 72.8

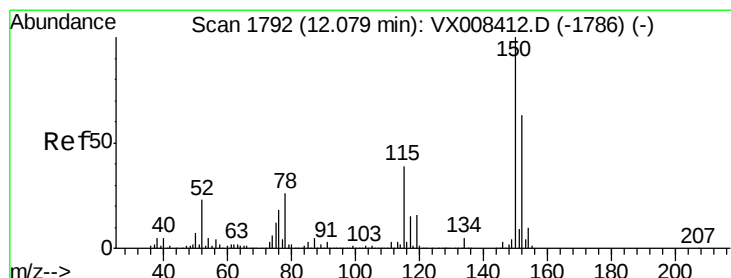
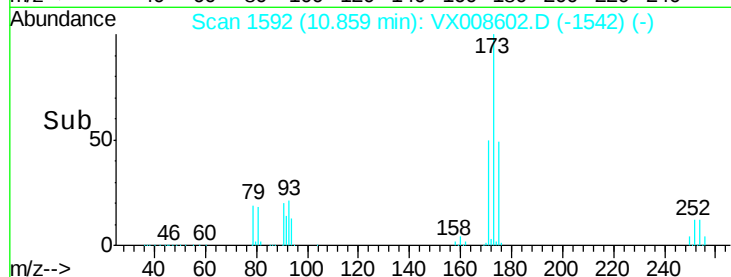
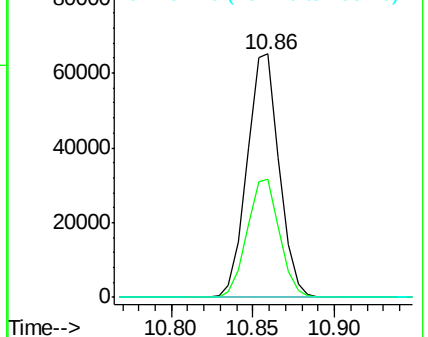
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

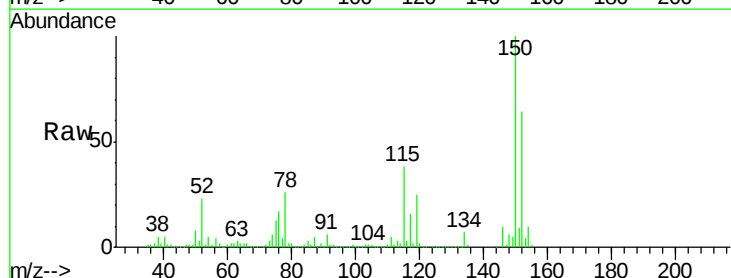
Tgt Ion:152 Resp: 133079

Ion Ratio Lower Upper

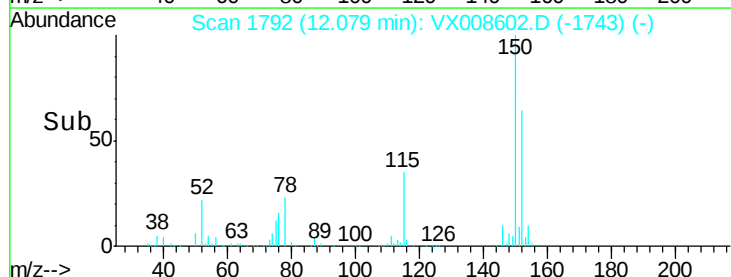
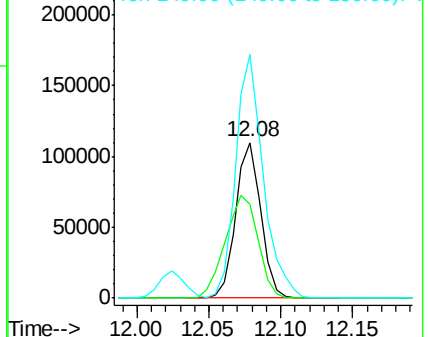
152 100

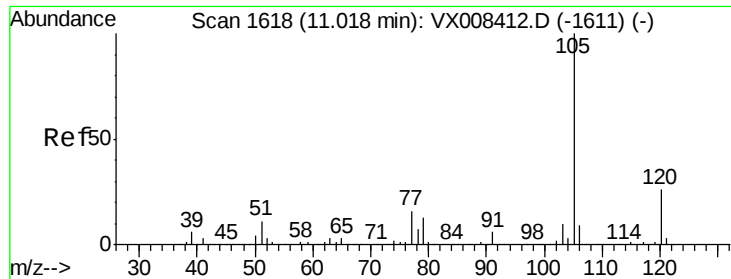
115 86.8 43.5 130.5

150 173.2 0.0 348.8



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





#73

Isopropylbenzene

Concen: 50.436 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 546056

Ion Ratio Lower Upper

105 100

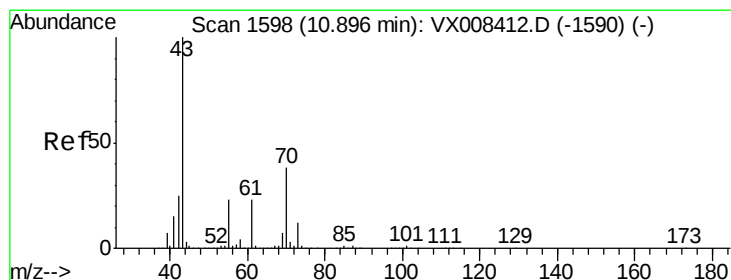
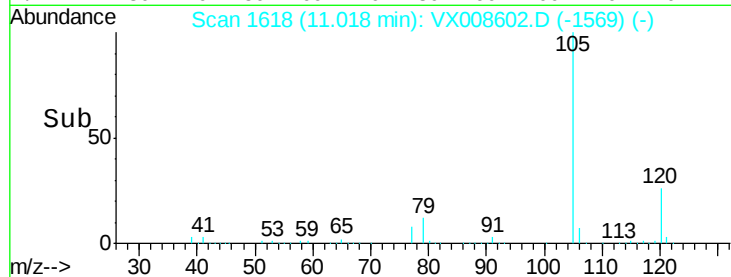
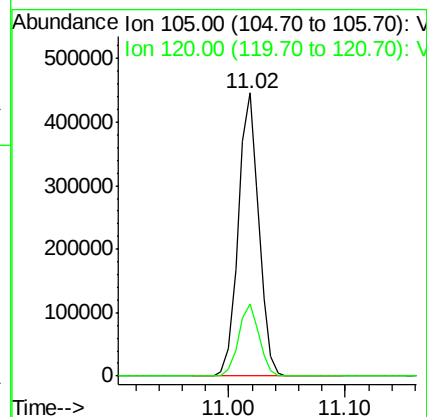
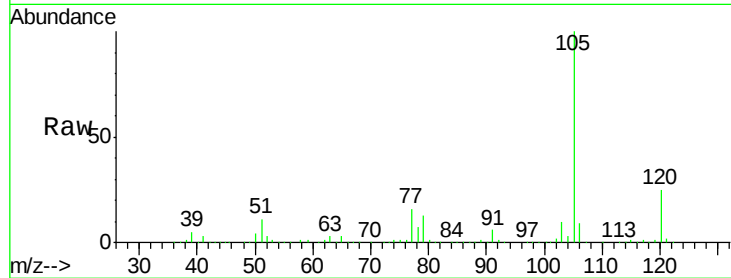
120 25.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 52.659 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion: 43 Resp: 329991

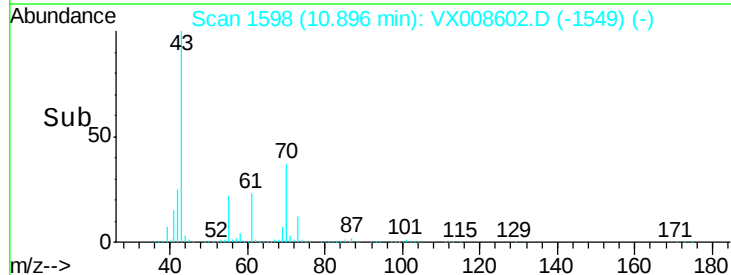
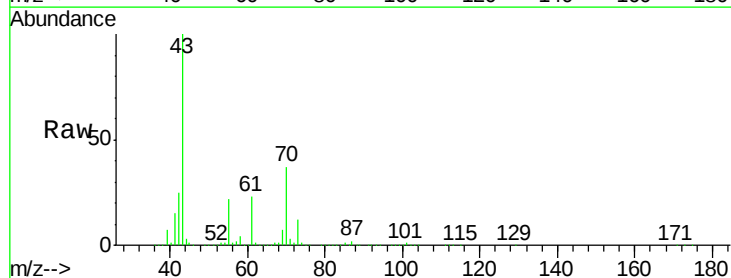
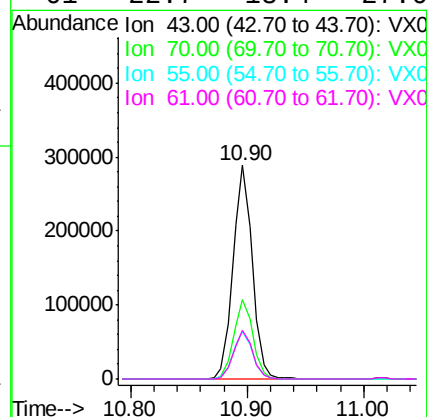
Ion Ratio Lower Upper

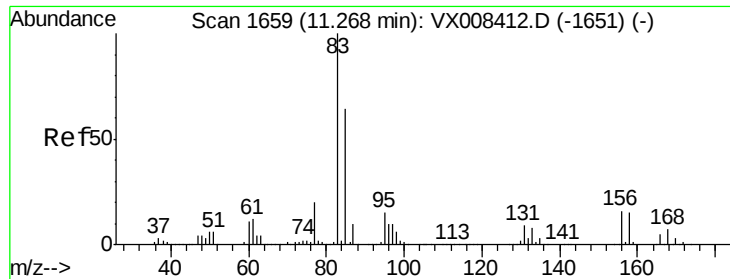
43 100

70 37.3 30.5 45.7

55 22.6 18.2 27.2

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.073 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

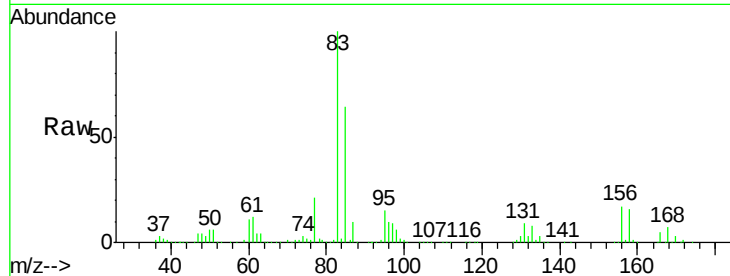
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	206140
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	64.4	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

200000

150000

100000

50000

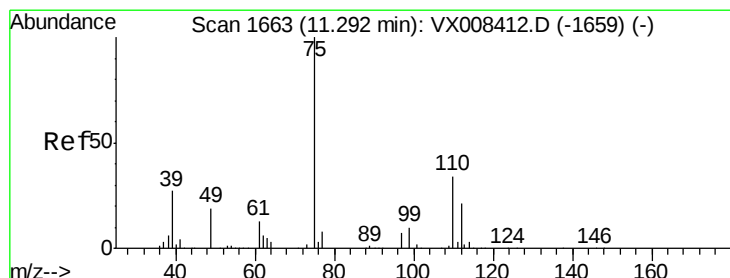
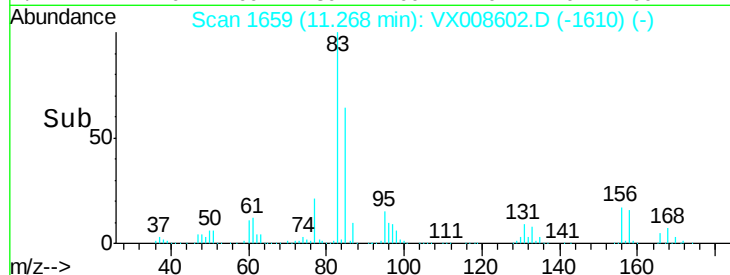
0

Time-->

11.20

11.30

11.40



#76

1,2,3-Trichloropropane

Concen: 43.787 ug/l m

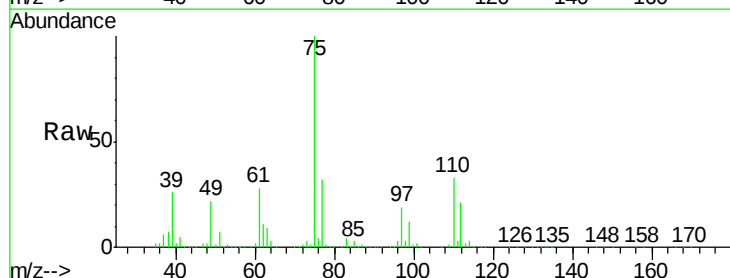
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion:	75	Resp:	173235
Ion Ratio	Lower	Upper	
75	100		
77	45.3	21.9	65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

100000

50000

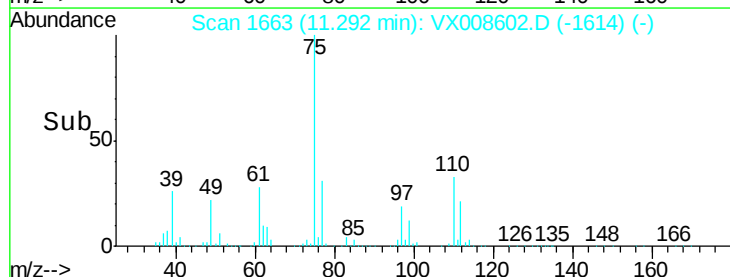
0

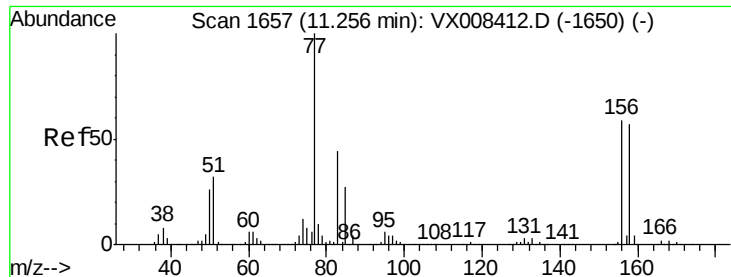
Time-->

11.26

11.28

11.30





#77

Bromobenzene

Concen: 49.426 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 129872

Ion Ratio Lower Upper

156 100

77 178.8 91.1 273.3

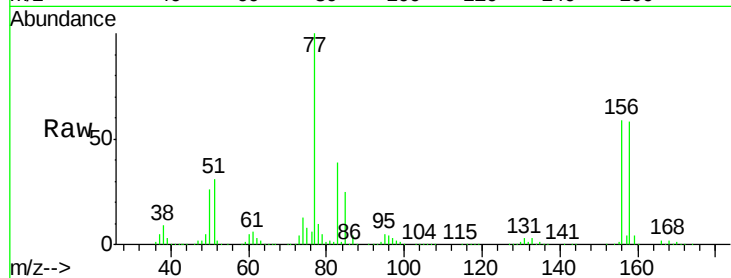
158 96.7 48.3 144.8

Manual Integrations

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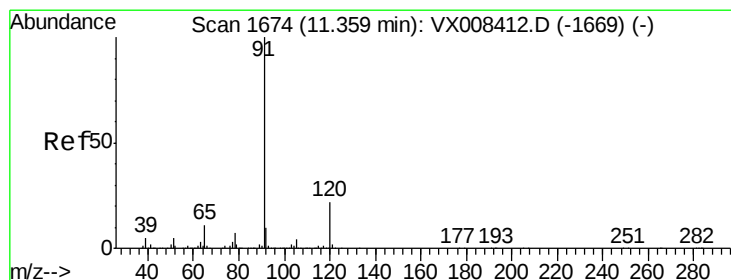
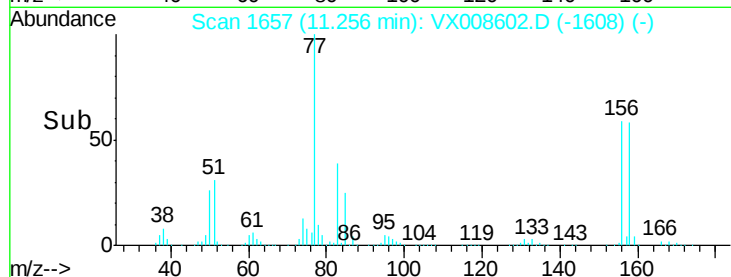
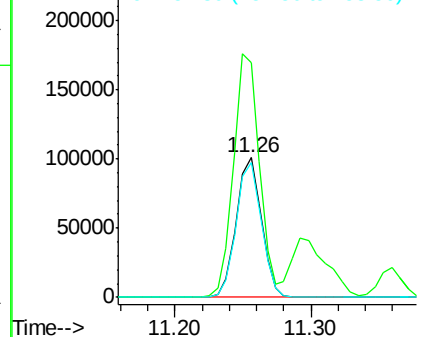
4/3/2019 11:33:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.108 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008602.D

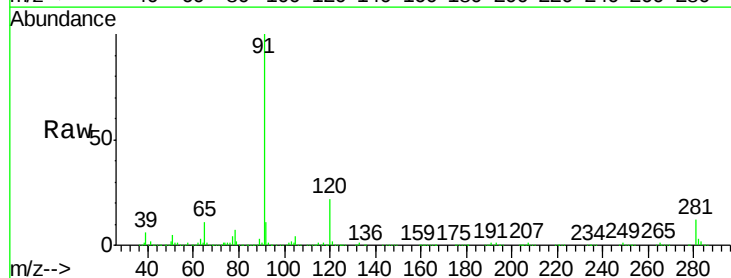
Acq: 02 Apr 2019 19:48

Tgt Ion: 91 Resp: 635499

Ion Ratio Lower Upper

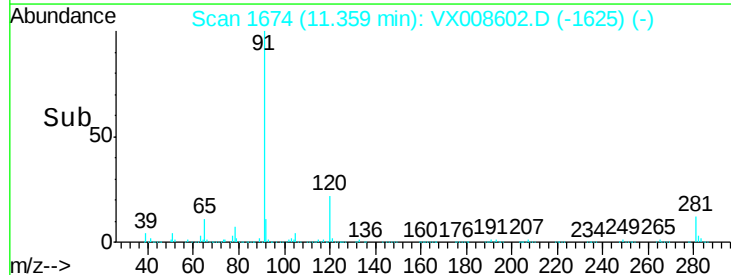
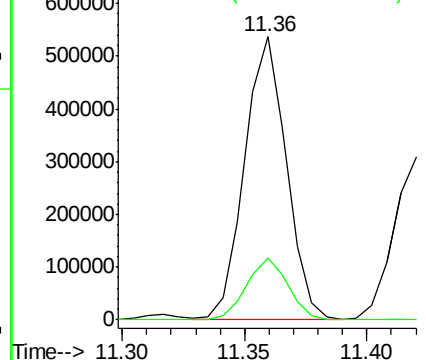
91 100

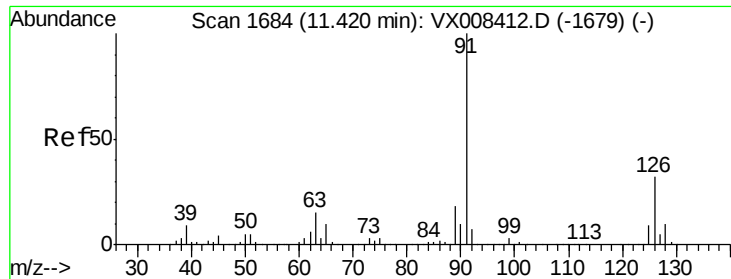
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.852 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 376850

Ion Ratio Lower Upper

91 100

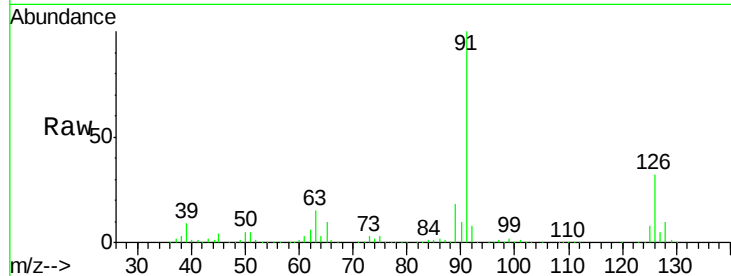
126 31.8 15.7 47.1

Manual Integrations

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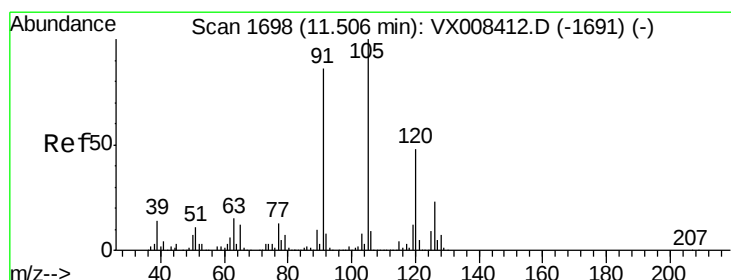
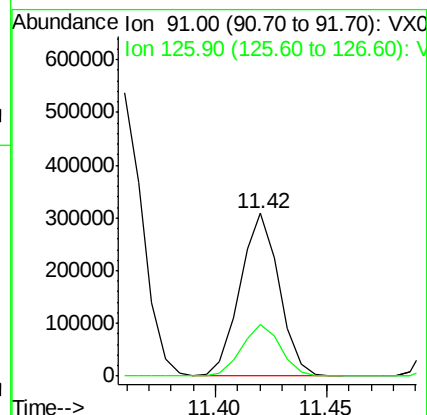
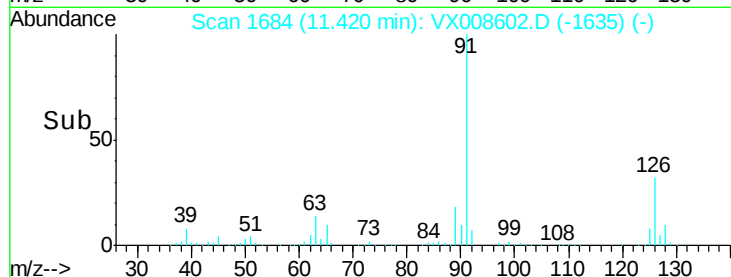
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4/3/2019 11:33:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008412.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.706 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008602.D

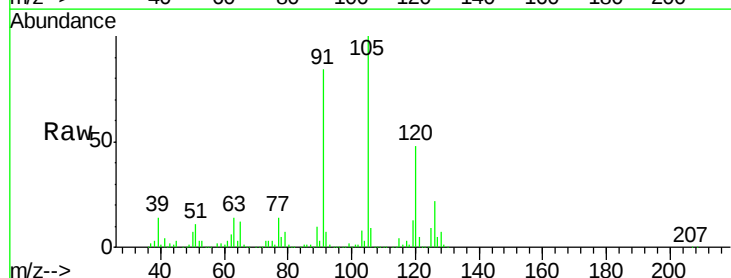
Acq: 02 Apr 2019 19:48

Tgt Ion: 105 Resp: 454961

Ion Ratio Lower Upper

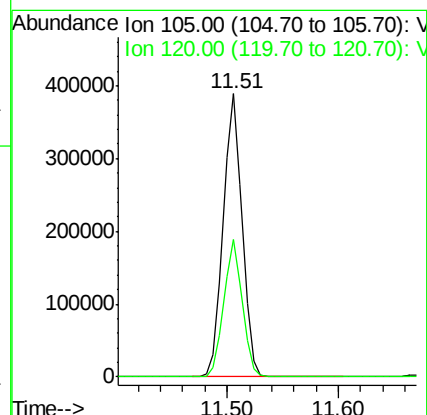
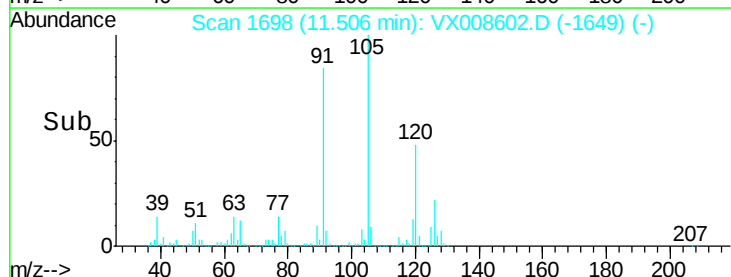
105 100

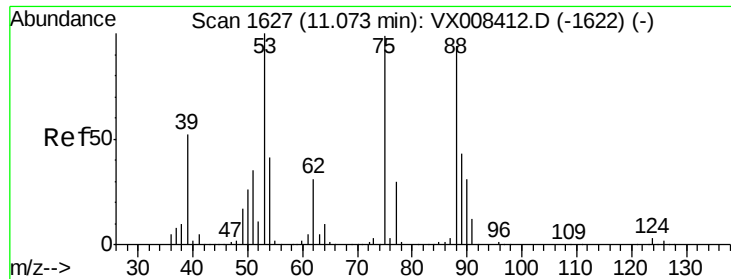
120 47.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.812 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 68942

Ion Ratio Lower Upper

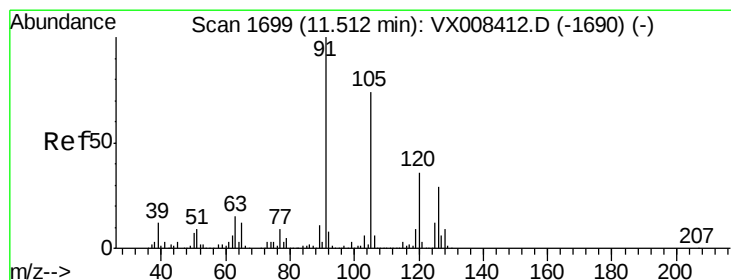
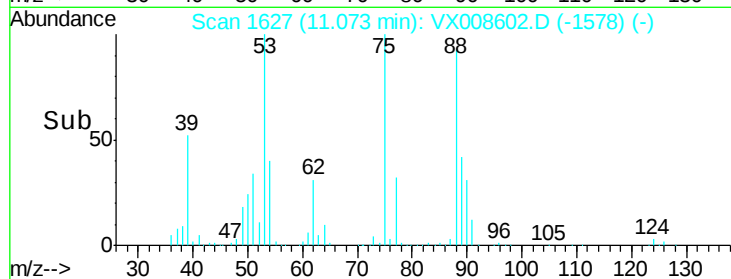
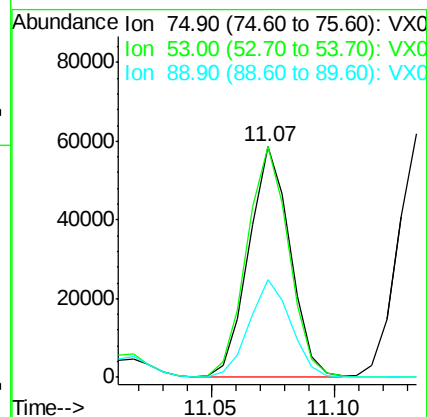
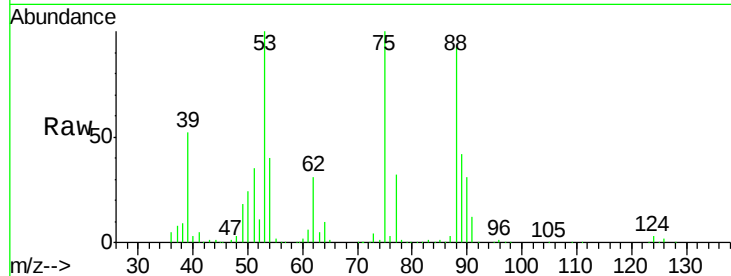
75 100

53 102.9 82.1 123.1

89 43.0 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.726 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008602.D

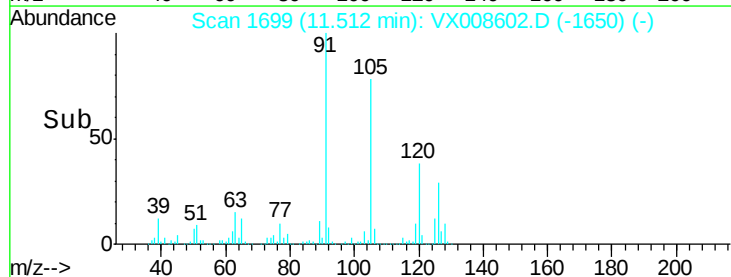
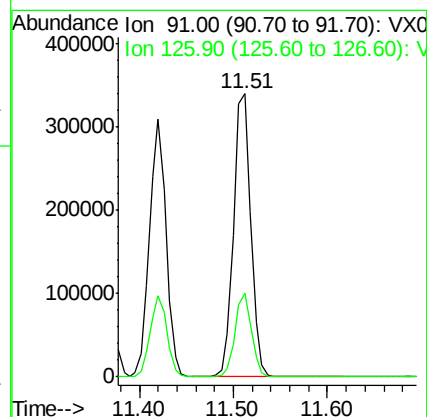
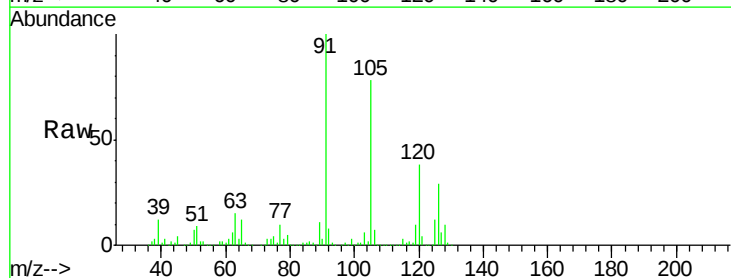
Acq: 02 Apr 2019 19:48

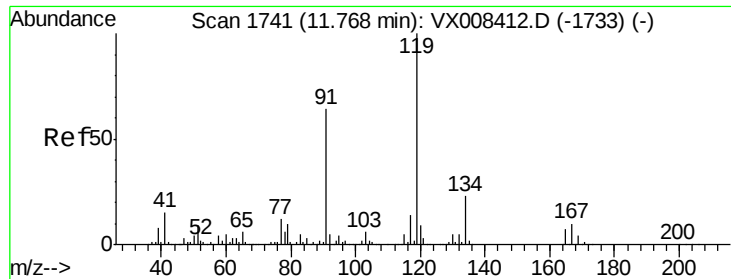
Tgt Ion: 91 Resp: 433573

Ion Ratio Lower Upper

91 100

126 28.1 13.9 41.7





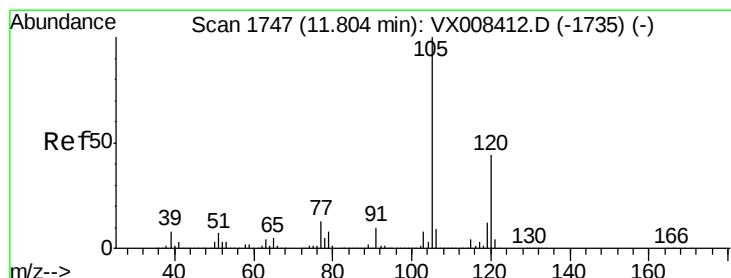
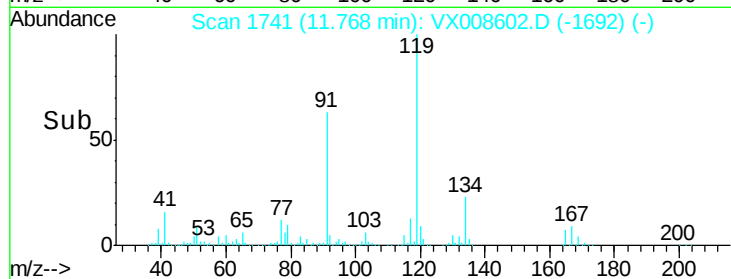
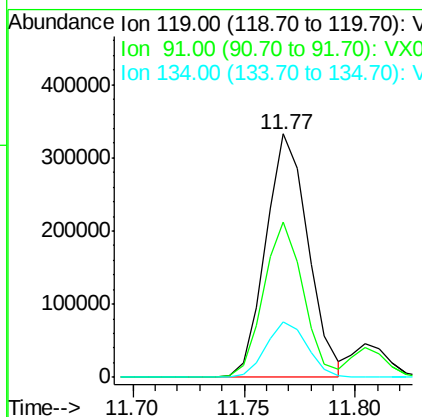
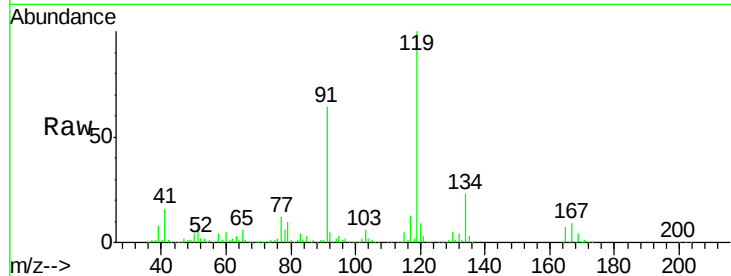
#83
tert-Butylbenzene
Concen: 49.757 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	439394		
91	59.9		30.1	90.3
134	22.1		10.9	32.9

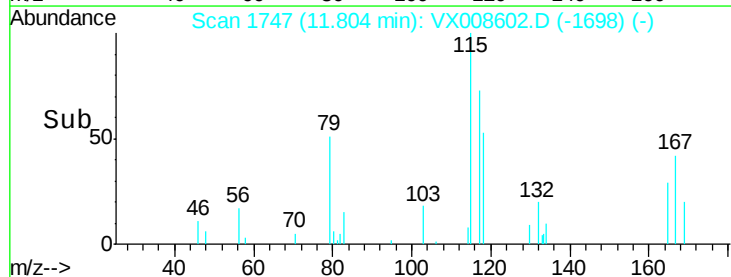
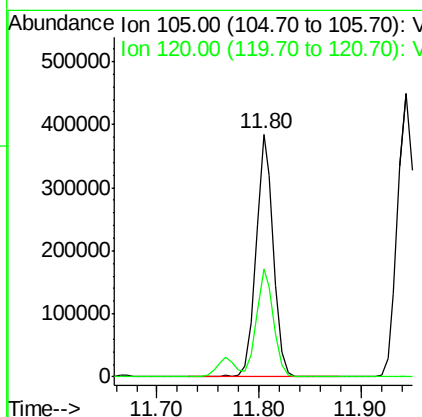
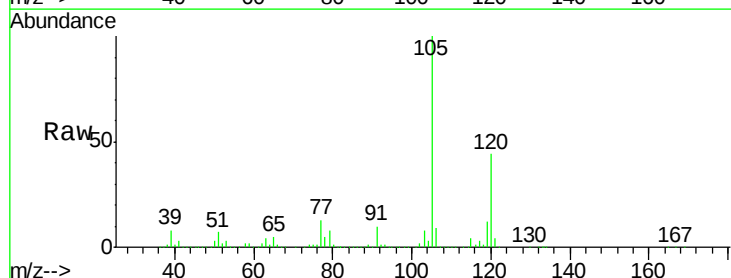
Manual Integrations
APPROVED

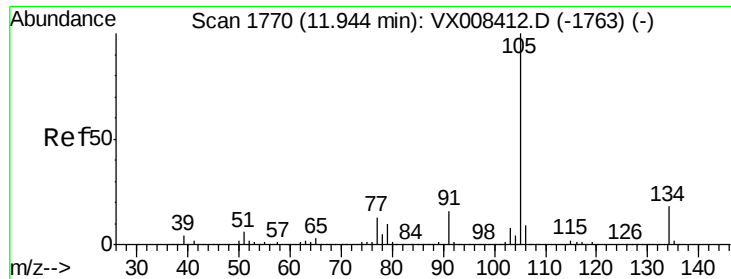
MMDadoda
4/3/2019 11:33:03 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.497 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	458240		
120	43.5		21.6	65.0





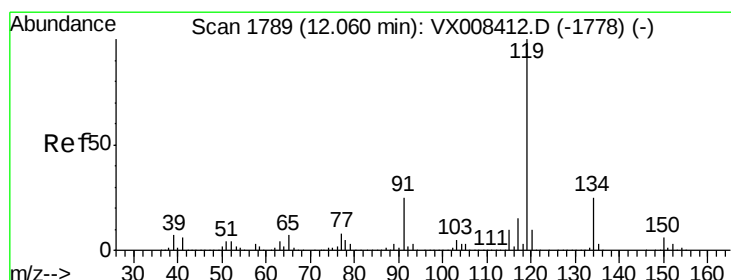
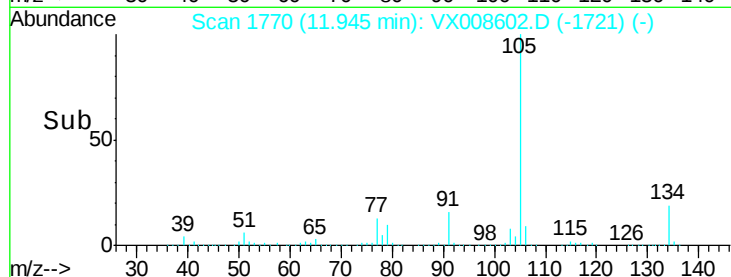
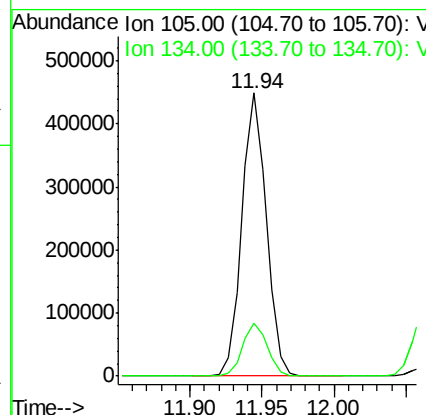
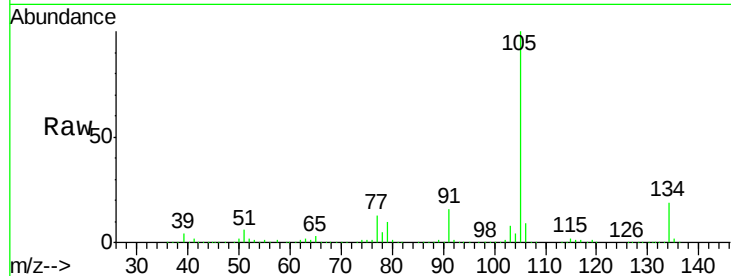
#85
 sec-Butylbenzene
 Concen: 50.447 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.3	28.0

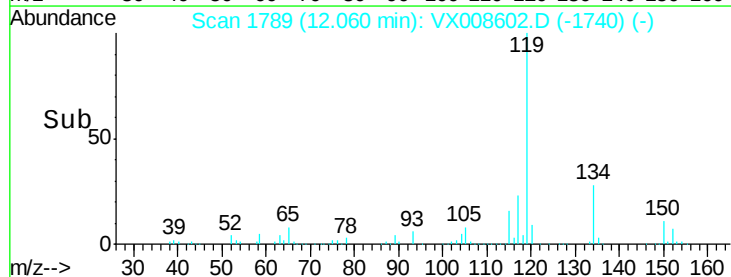
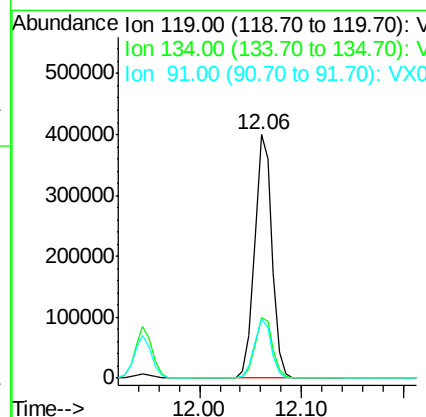
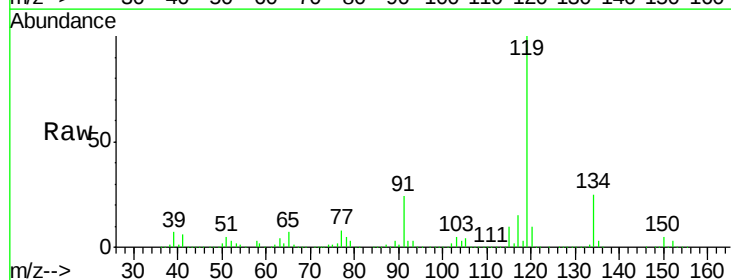
Manual Integrations
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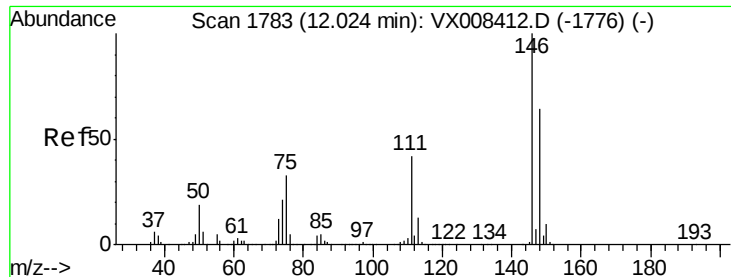
MMDadoda
 4/3/2019 11:33:03 AM



#86
 p-Isopropyltoluene
 Concen: 51.246 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	24.0	12.4	37.0





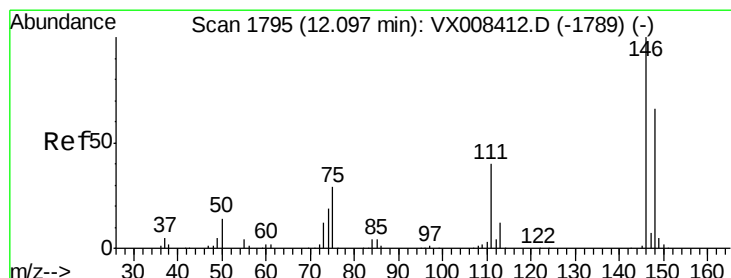
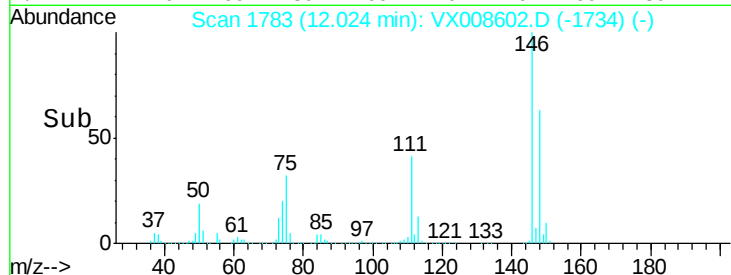
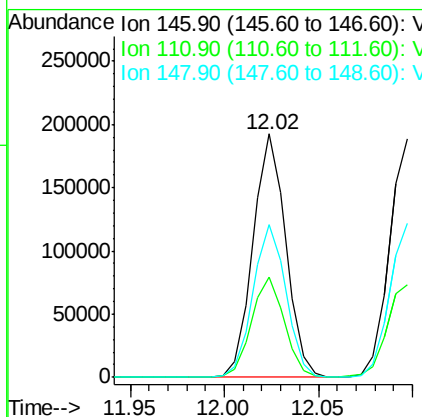
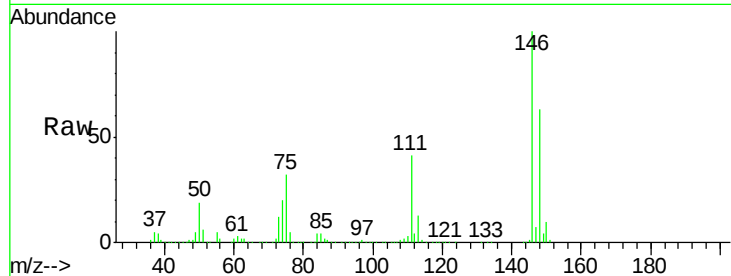
#87
 1,3-Dichlorobenzene
 Concen: 49.371 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	63.3	32.0	96.0

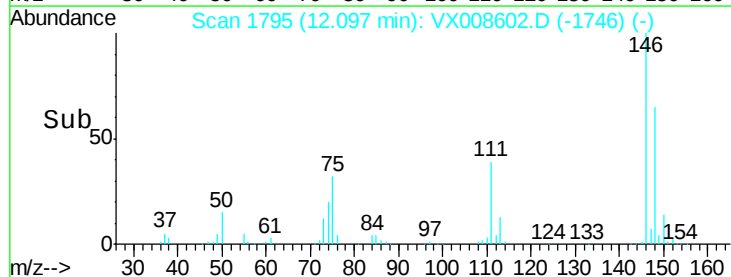
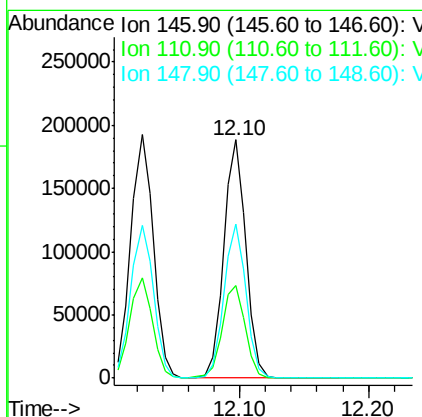
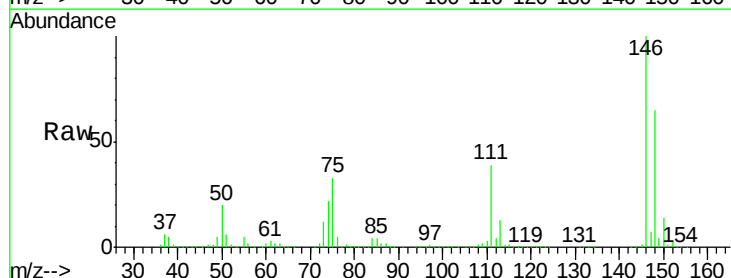
Manual Integrations
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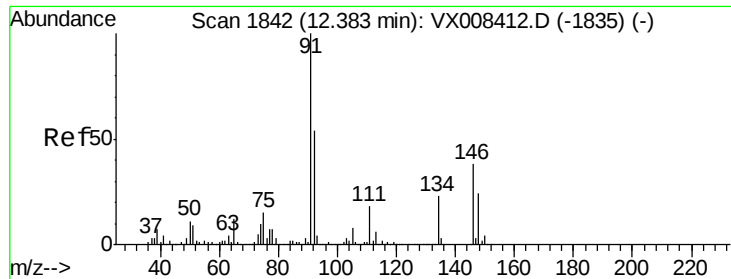
MMDadoda
 4/3/2019 11:33:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.140 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	64.6	32.1	96.5





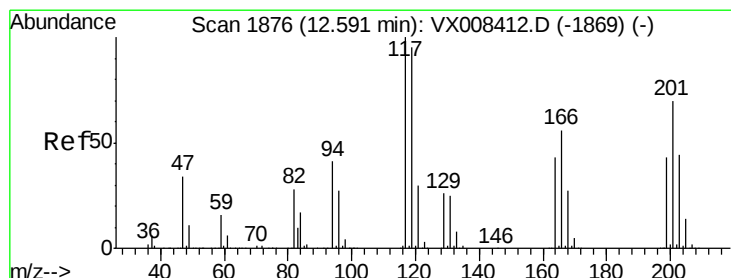
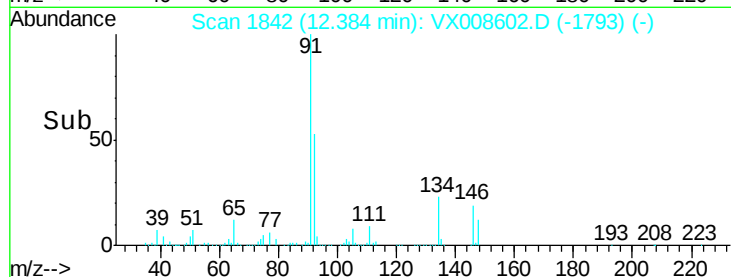
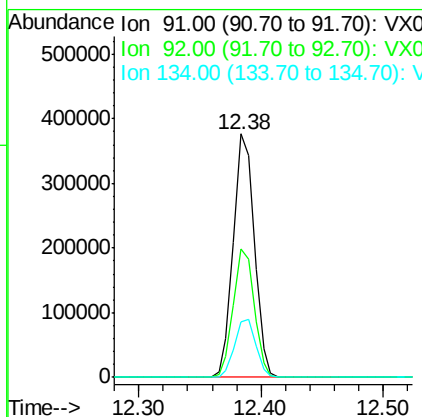
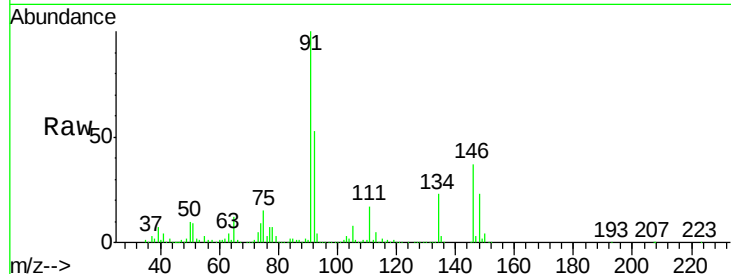
#89
n-Butylbenzene
Concen: 50.772 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		446309		
92	52.8	26.5	79.5		
134	24.5	11.8	35.4		

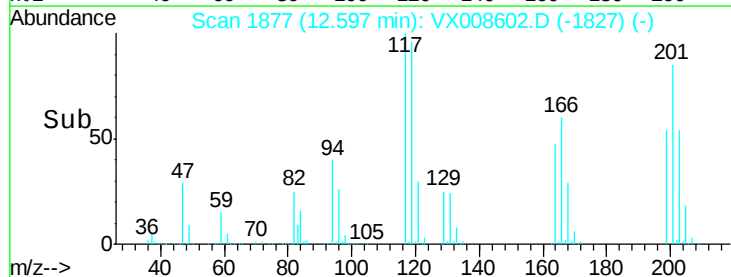
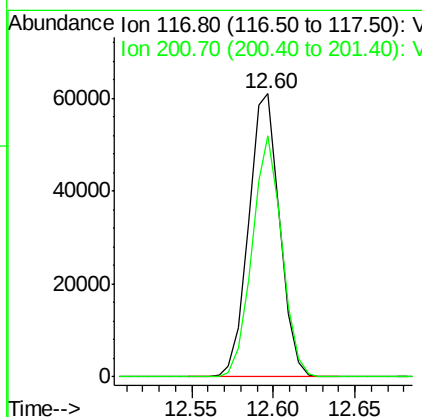
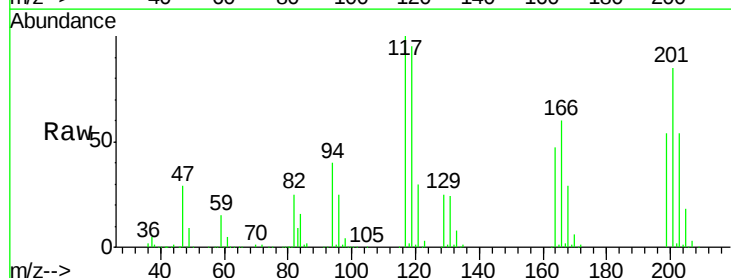
Manual Integrations
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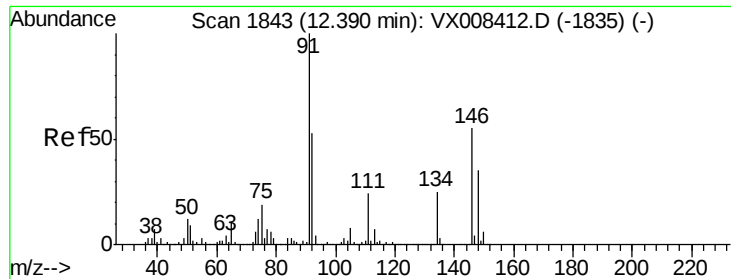
MMDadoda
4/3/2019 11:33:03 AM



#90
Hexachloroethane
Concen: 52.202 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008602.D
Acq: 02 Apr 2019 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		80701		
201	81.2	39.4	118.1		





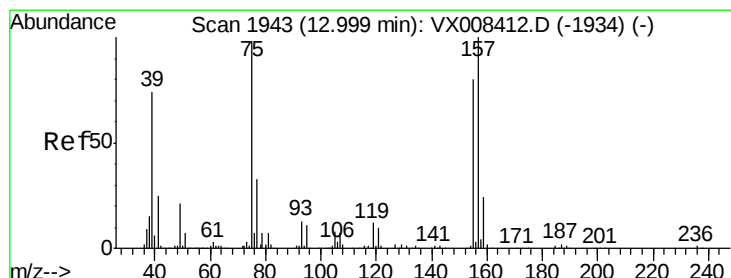
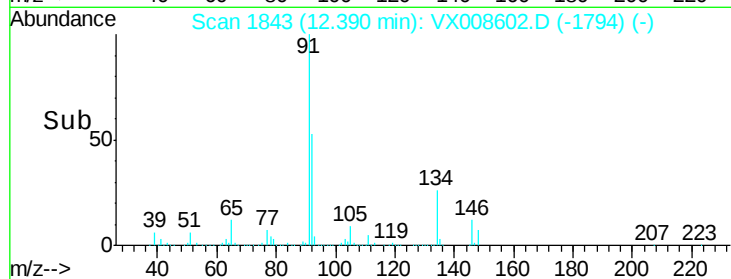
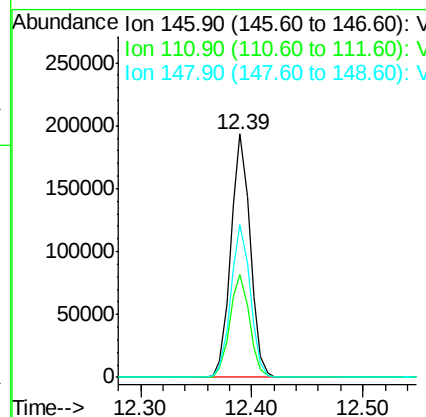
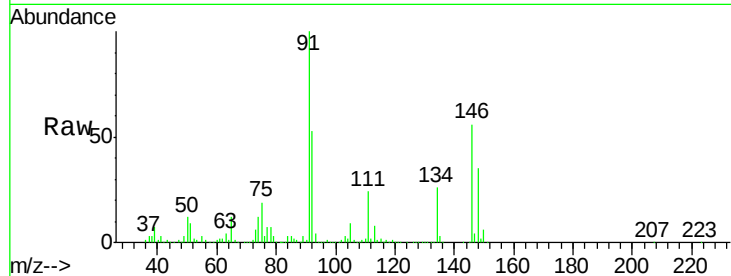
#91
 1,2-Dichlorobenzene
 Concen: 49.228 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	63.4	31.9	95.7

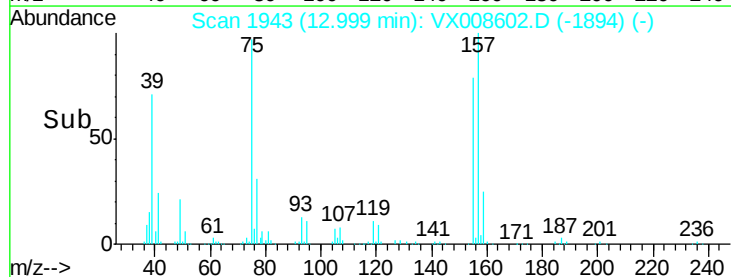
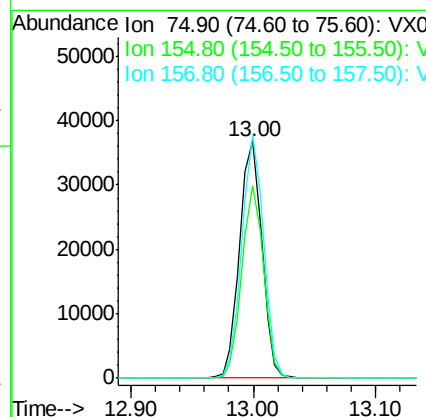
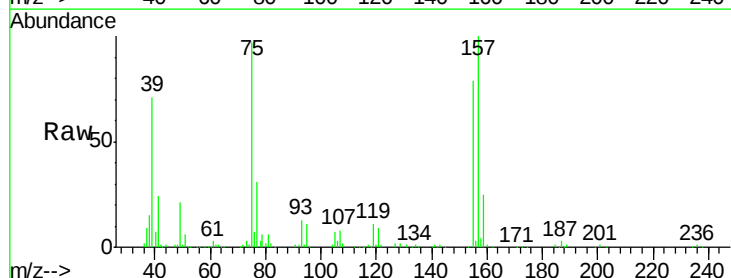
Manual Integrations
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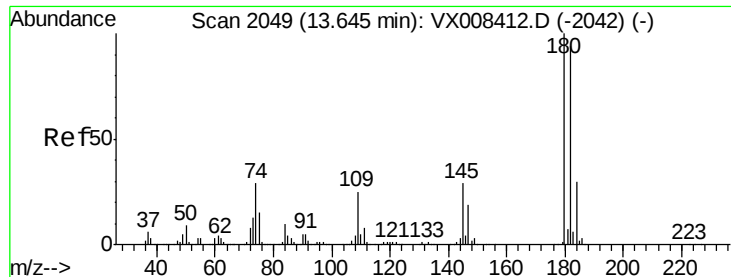
MMDadoda
 4/3/2019 11:33:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.697 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	39.5	118.5
157	99.4	49.9	149.7





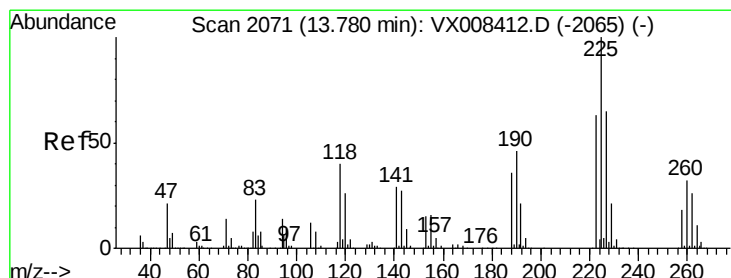
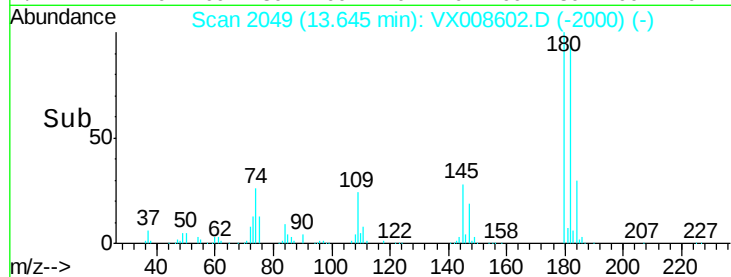
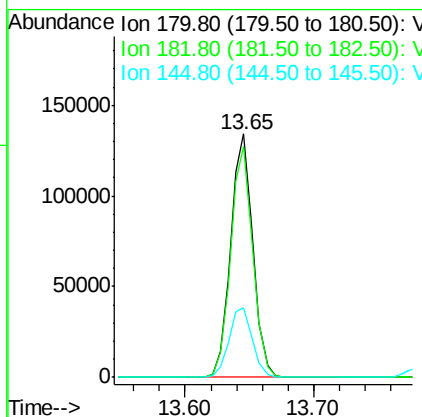
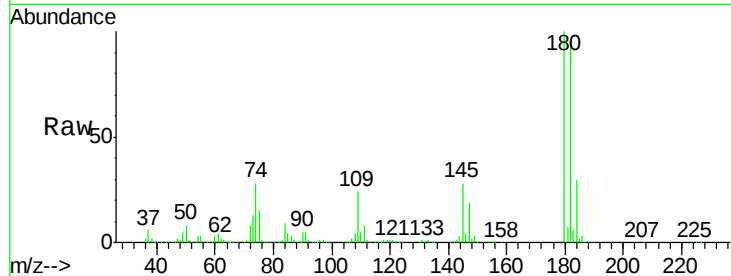
#93
 1,2,4-Trichlorobenzene
 Concen: 50.972 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161342		
182	94.9	47.3	142.0	
145	30.2	15.3	45.8	

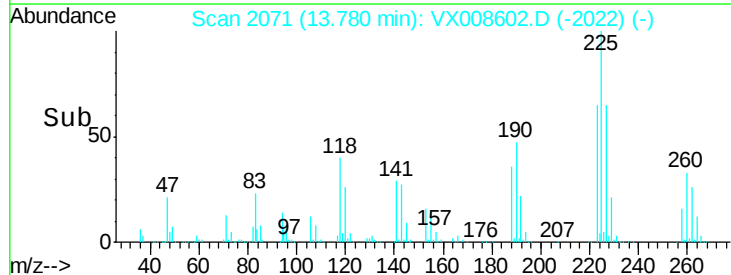
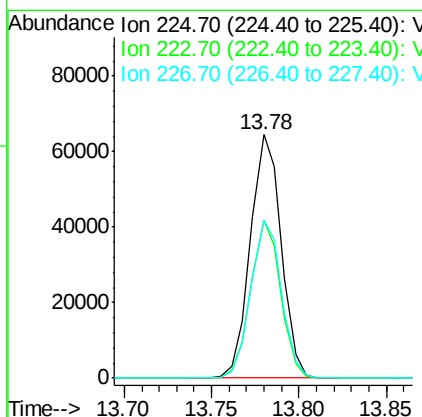
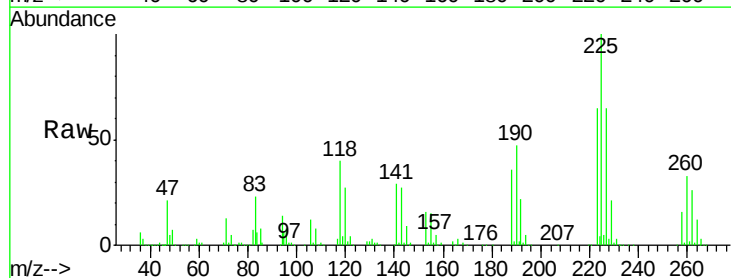
Manual Integrations
 APPROVED

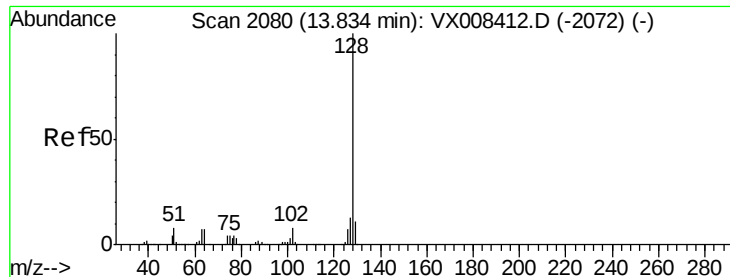
MMDadoda
 4/3/2019 11:33:03 AM



#94
 Hexachlorobutadiene
 Concen: 52.470 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008602.D
 Acq: 02 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78862		
223	62.9	31.4	94.0	
227	64.4	31.9	95.9	





#95

Naphthalene

Concen: 50.948 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Instrument :

MSVOA_X

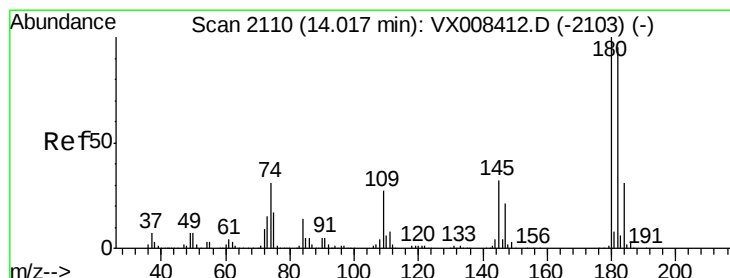
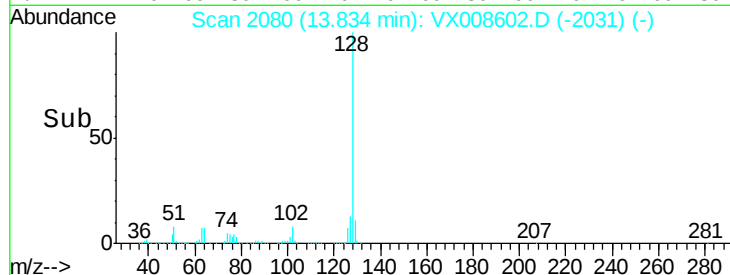
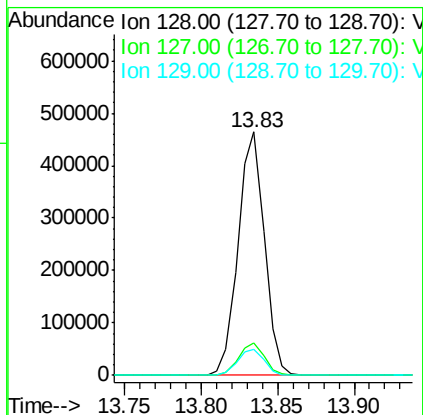
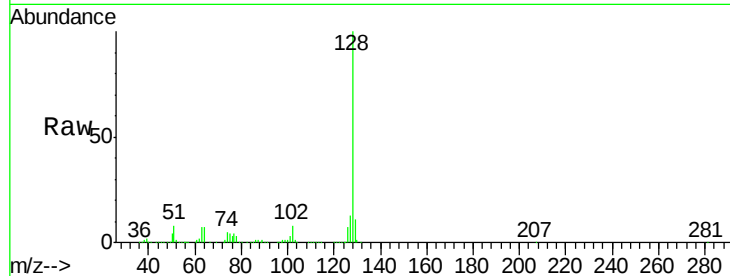
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	552893
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/3/2019 11:33:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.733 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008602.D

Acq: 02 Apr 2019 19:48

Tgt Ion:	180	Resp:	161366
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.3	142.0
145	32.1	16.2	48.5

