

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008412.D
 Acq On : 25 Mar 2019 14:54
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:35 AM

Quant Time: Mar 26 04:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143732	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	144175	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	
35) Dibromofluoromethane	5.49	113	107233	49.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	433369	50.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	161603	51.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105264	47.781	ug/l	100
3) Chloromethane	1.32	50	146790	45.189	ug/l	100
4) Vinyl Chloride	1.40	62	150485	47.234	ug/l	100
5) Bromomethane	1.64	94	79794	40.842	ug/l	100
6) Chloroethane	1.71	64	93340	49.427	ug/l	100
7) Trichlorofluoromethane	1.92	101	170980	47.325	ug/l	100
8) Diethyl Ether	2.18	74	81599	47.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103176	48.066	ug/l	100
10) Methyl Iodide	2.51	142	102899	39.738	ug/l	100
11) Tert butyl alcohol	3.05	59	164358	247.582	ug/l	100
12) 1,1-Dichloroethene	2.37	96	107535	48.358	ug/l	100
13) Acrolein	2.29	56	110626	204.617	ug/l	100
14) Allyl chloride	2.73	41	239110	48.773	ug/l	100
15) Acrylonitrile	3.14	53	407318	241.055	ug/l	100
16) Acetone	2.44	43	369357	247.888	ug/l	100
17) Carbon Disulfide	2.57	76	323228	45.587	ug/l	100
18) Methyl Acetate	2.77	43	173898	46.960	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	395857	49.486	ug/l	100
20) Methylene Chloride	2.85	84	126873	47.279	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	112973	47.085	ug/l	100
22) Diisopropyl ether	3.85	45	471039	49.262	ug/l	100
23) Vinyl Acetate	3.81	43	2122641	251.710	ug/l	100
24) 1,1-Dichloroethane	3.70	63	236635	48.585	ug/l	100
25) 2-Butanone	4.67	43	598083	244.981	ug/l	100
26) 2,2-Dichloropropane	4.59	77	162378	51.392	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	131972	47.995	ug/l	100
28) Bromochloromethane	5.01	49	114431	47.753	ug/l	100
29) Tetrahydrofuran	5.13	42	386734	239.732	ug/l	100
30) Chloroform	5.21	83	214591	48.835	ug/l	100
31) Cyclohexane	5.58	56	223674	47.978	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	174633	50.124	ug/l	100
36) 1,1-Dichloropropene	5.80	75	167410	49.374	ug/l	100
37) Ethyl Acetate	4.83	43	225799	49.412	ug/l	100
38) Carbon Tetrachloride	5.79	117	146441	50.258	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205526	49.414	ug/l	100
40) Benzene	6.14	78	510697	49.397	ug/l	100
41) Methacrylonitrile	5.04	41	127198	50.956	ug/l	100
42) 1,2-Dichloroethane	6.19	62	182381	48.602	ug/l	100
43) Isopropyl Acetate	6.45	43	359986	50.452	ug/l	100
44) Trichloroethene	7.21	130	116587	48.521	ug/l	100
45) 1,2-Dichloropropane	7.51	63	146544	50.065	ug/l	100
46) Dibromomethane	7.66	93	83469	48.148	ug/l	100
47) Bromodichloromethane	7.90	83	167360	50.525	ug/l	100
48) Methyl methacrylate	7.77	41	183179	50.707	ug/l	100
49) 1,4-Dioxane	7.74	88	72000	987.289	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1191340	253.442	ug/l	100
52) Toluene	8.79	92	305997	50.354	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	189368	53.063	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	211967	52.570	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	125353	49.666	ug/l	100
56) Ethyl methacrylate	9.18	69	234796	52.473	ug/l	100
57) 1,3-Dichloropropane	9.37	76	222924	49.673	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	609272	254.869	ug/l	100
59) 2-Hexanone	9.49	43	941405	259.571	ug/l	100
60) Dibromochloromethane	9.58	129	124244	52.975	ug/l	100
61) 1,2-Dibromoethane	9.67	107	129488	50.609	ug/l	100
64) Tetrachloroethene	9.34	164	95786	48.803	ug/l	100
65) Chlorobenzene	10.13	112	312668	49.576	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	112094	51.219	ug/l	100
67) Ethyl Benzene	10.25	91	598514	50.579	ug/l	100
68) m/p-Xylenes	10.36	106	433935	102.068	ug/l	100
69) o-Xylene	10.69	106	211641	50.906	ug/l	100
70) Styrene	10.71	104	372717	51.678	ug/l	100
71) Bromoform	10.85	173	91358	53.848	ug/l	100
73) Isopropylbenzene	11.02	105	559484	49.315	ug/l	100
74) N-amyl acetate	10.90	43	345986	52.089	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	217174	48.172	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	211475m	56.182	ug/l	
77) Bromobenzene	11.26	156	134149	49.794	ug/l	100
78) n-propylbenzene	11.36	91	663578	49.939	ug/l	100
79) 2-Chlorotoluene	11.42	91	398610	49.101	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	477698	49.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	70783	53.736	ug/l	100
82) 4-Chlorotoluene	11.51	91	458666	49.120	ug/l	100
83) tert-Butylbenzene	11.77	119	458054	49.951	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	482763	50.045	ug/l	100
85) sec-Butylbenzene	11.94	105	551183	49.972	ug/l	100
86) p-Isopropyltoluene	12.06	119	494834	50.902	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	238472	49.329	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	239427	48.608	ug/l	100
89) n-Butylbenzene	12.38	91	470955	50.791	ug/l	100
90) Hexachloroethane	12.59	117	82990	51.575	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	244008	49.717	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48278	50.330	ug/l	100

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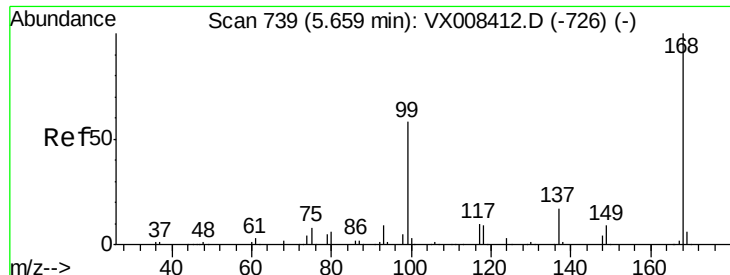
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	166636	50.233	ug/l	100
94) Hexachlorobutadiene	13.78	225	79940	51.043	ug/l	100
95) Naphthalene	13.83	128	574487	49.715	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165736	49.741	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: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 195586

Ion Ratio Lower Upper

168 100

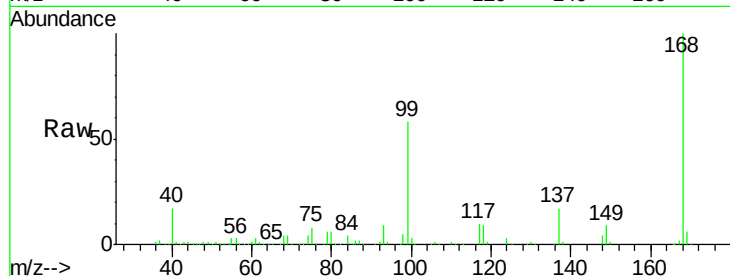
99 57.5 46.0 69.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

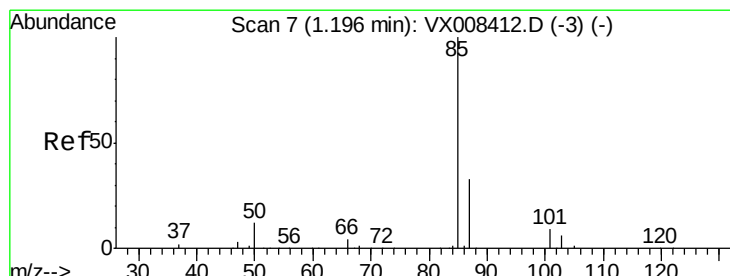
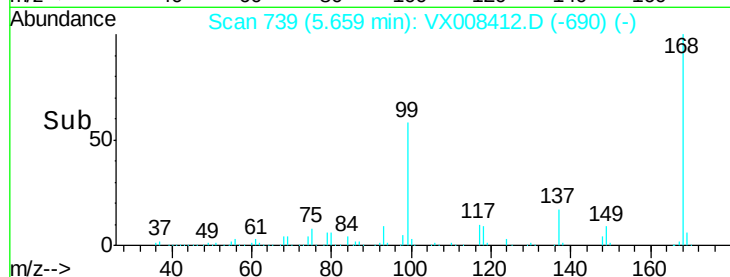
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.781 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008412.D

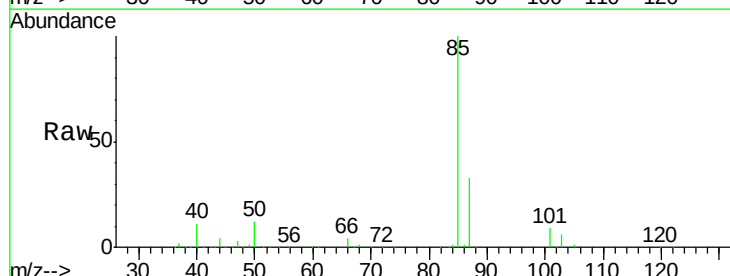
Acq: 25 Mar 2019 14:54

Tgt Ion: 85 Resp: 105264

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

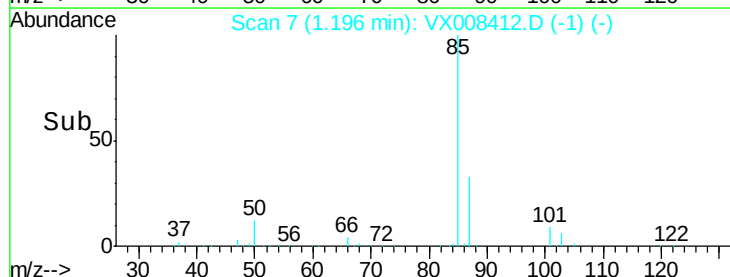
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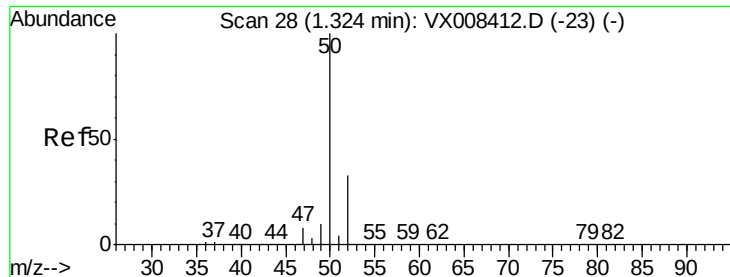
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20000

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Time-->





#3

Chloromethane

Concen: 45.189 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 146790

Ion Ratio Lower Upper

50 100

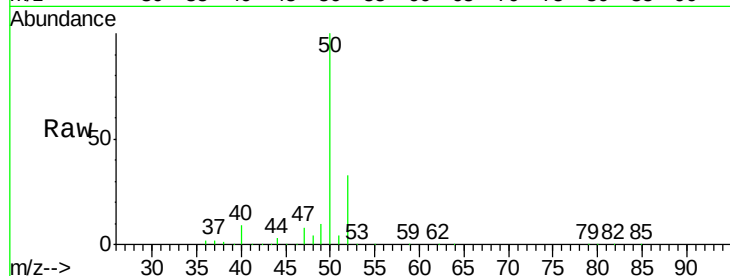
52 32.7 26.2 39.2

Manual Integrations

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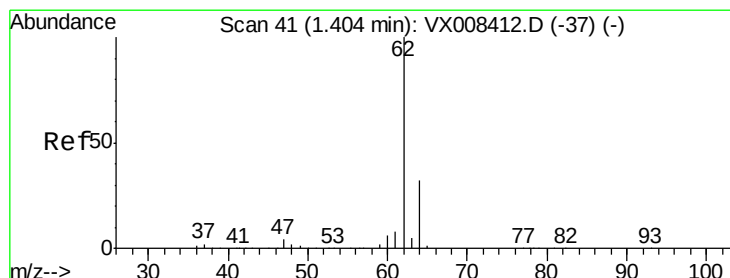
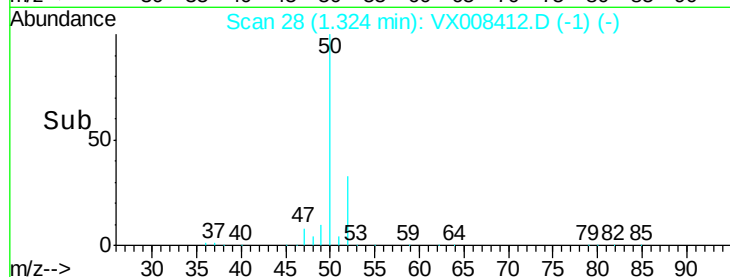
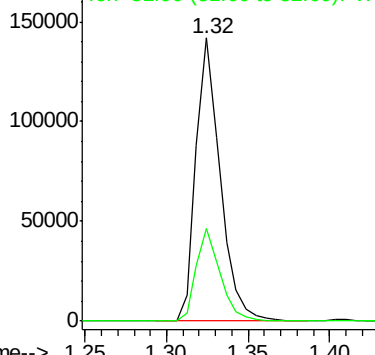
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.234 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008412.D

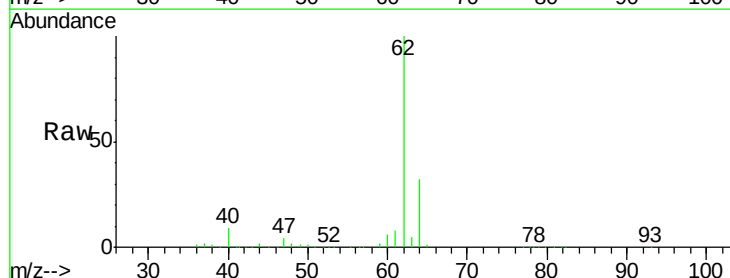
Acq: 25 Mar 2019 14:54

Tgt Ion: 62 Resp: 150485

Ion Ratio Lower Upper

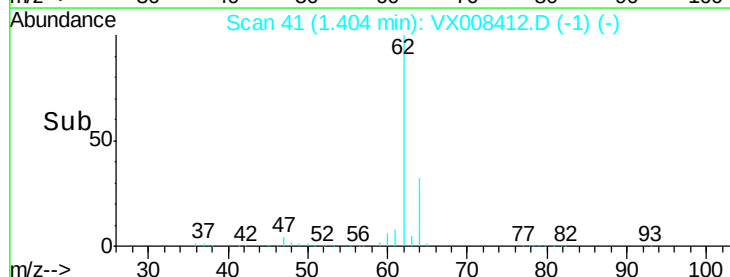
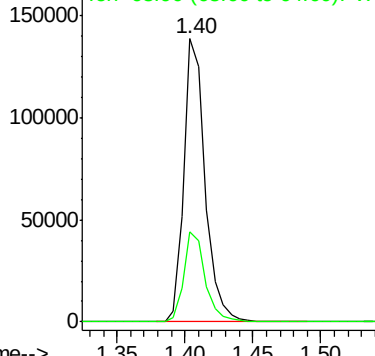
62 100

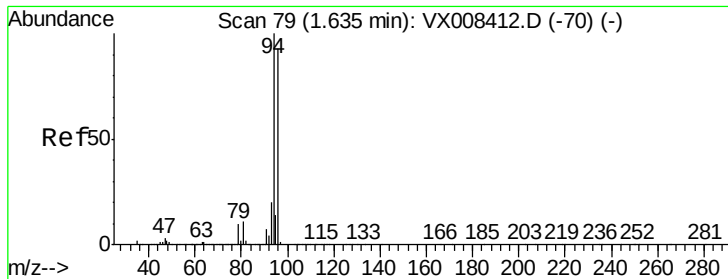
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.842 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 79794

Ion Ratio Lower Upper

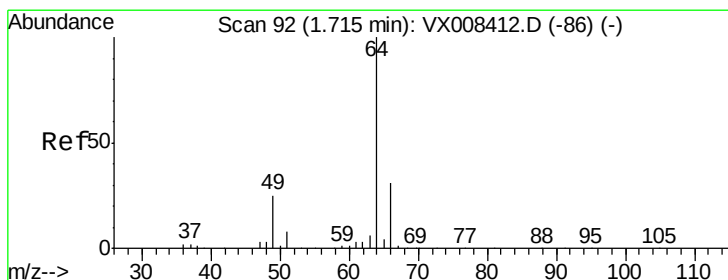
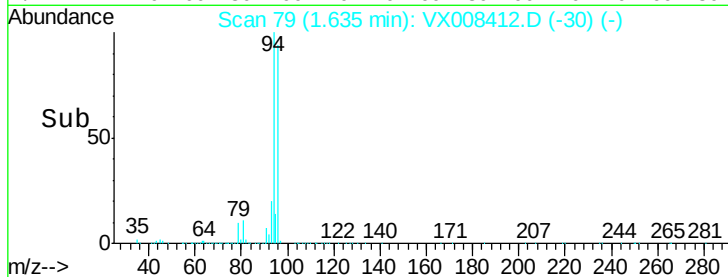
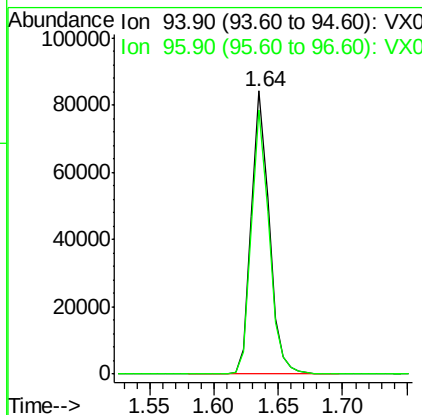
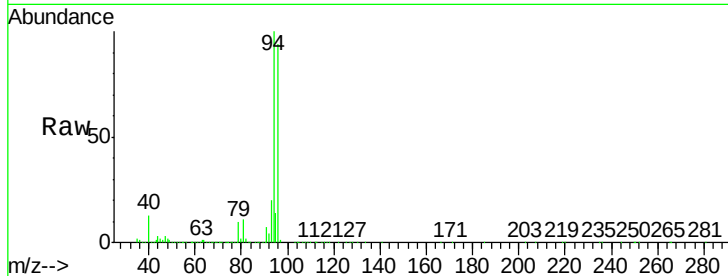
94 100

96 93.5 74.8 112.2

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3/26/2019 9:46:35 AM



#6

Chloroethane

Concen: 49.427 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008412.D

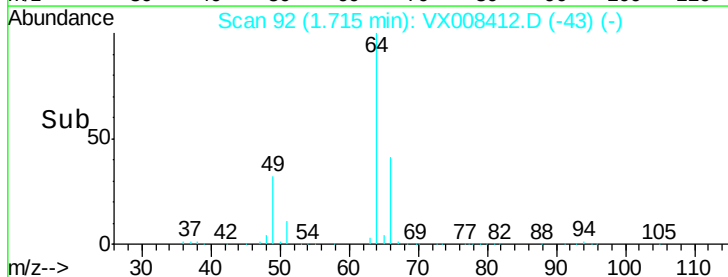
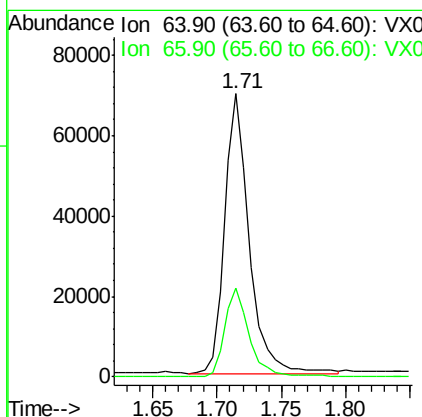
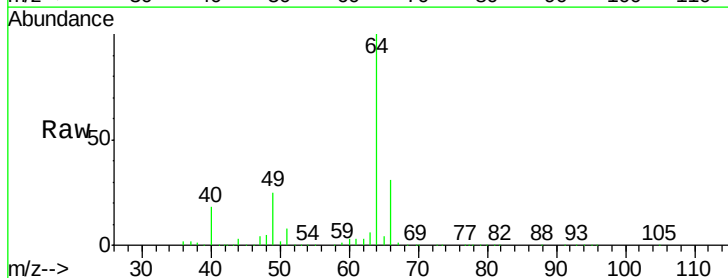
Acq: 25 Mar 2019 14:54

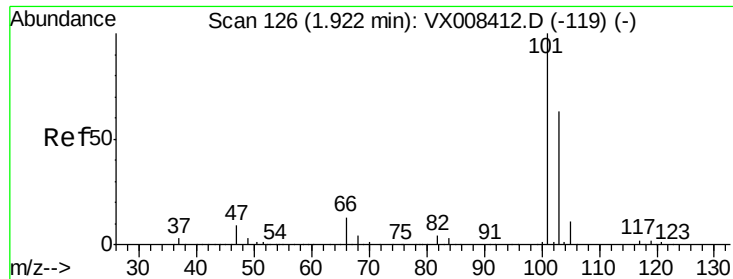
Tgt Ion: 64 Resp: 93340

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

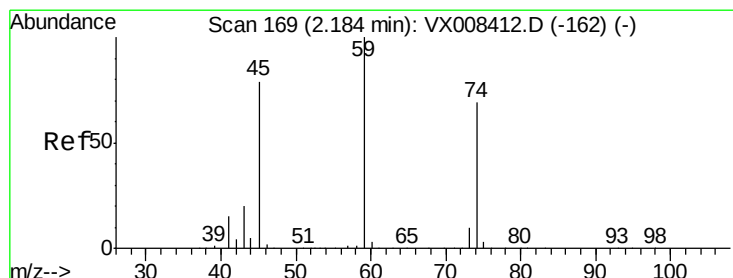
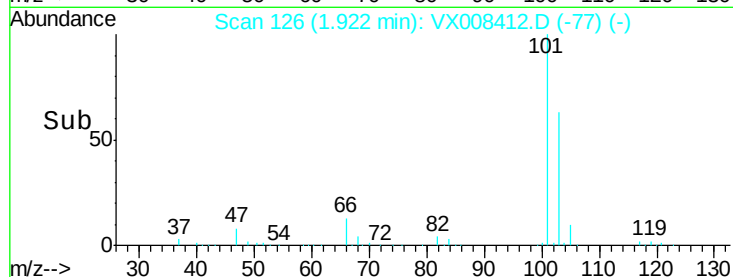
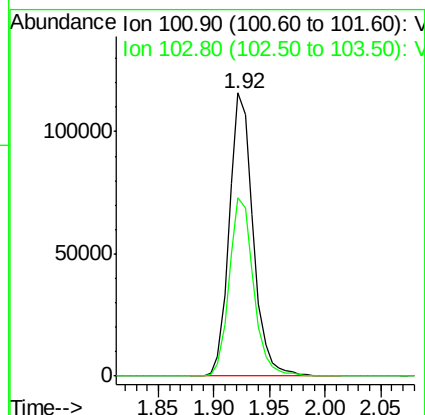
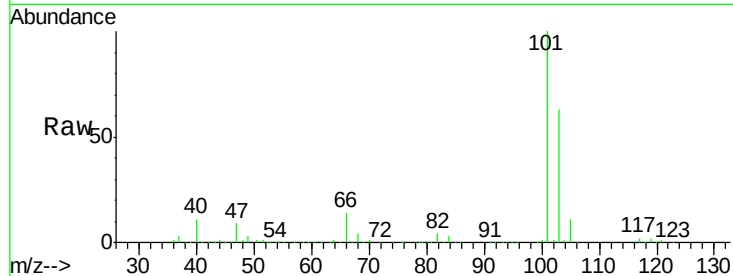
Trichlorofluoromethane
 Concen: 47.325 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.4

Manual Integrations
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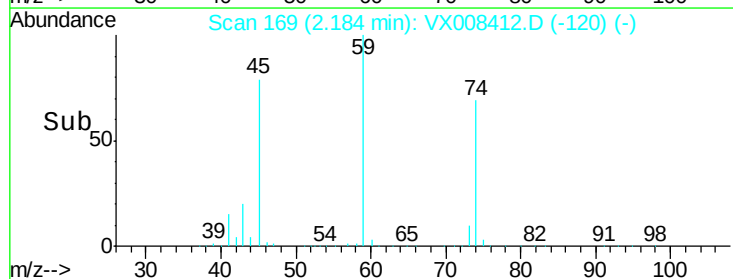
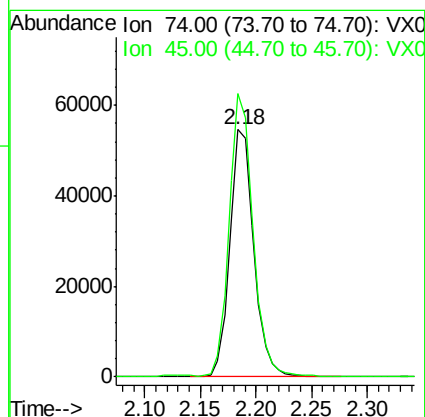
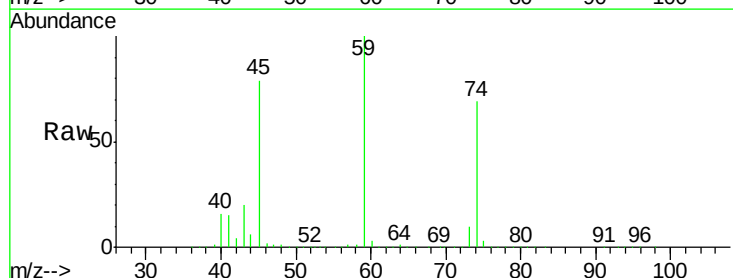
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 3/26/2019 9:46:35 AM

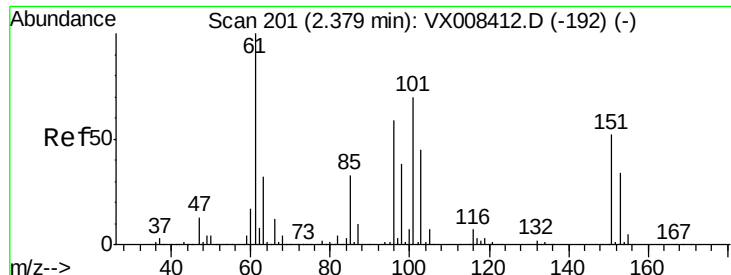


#8

Diethyl Ether
 Concen: 47.059 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	56.4	169.2





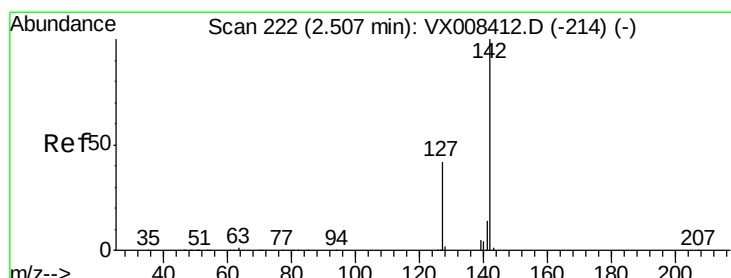
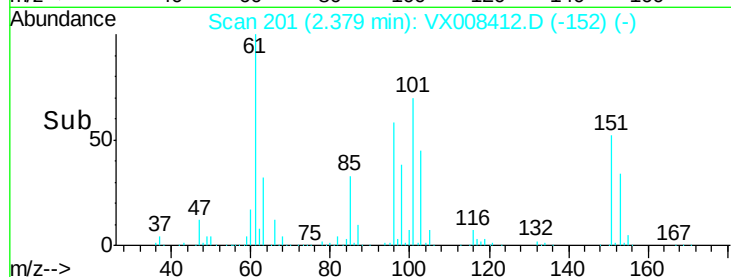
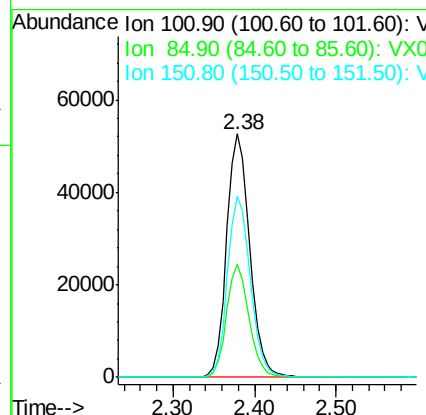
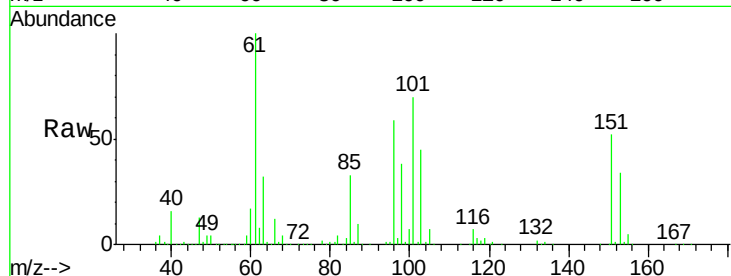
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.066 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	103176		
85	45.0	36.0	54.0	
151	74.0	59.2	88.8	

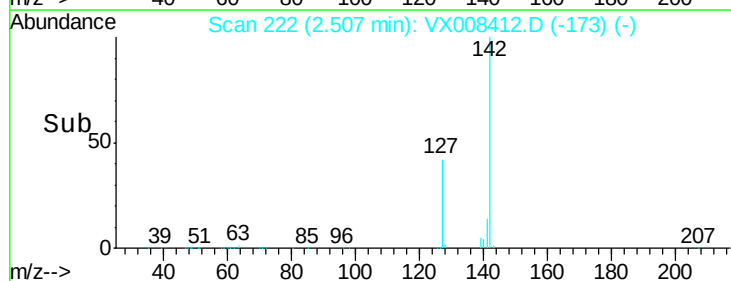
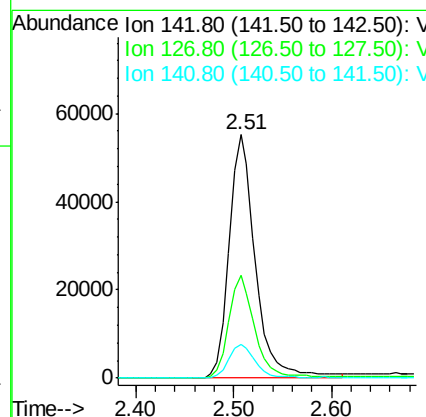
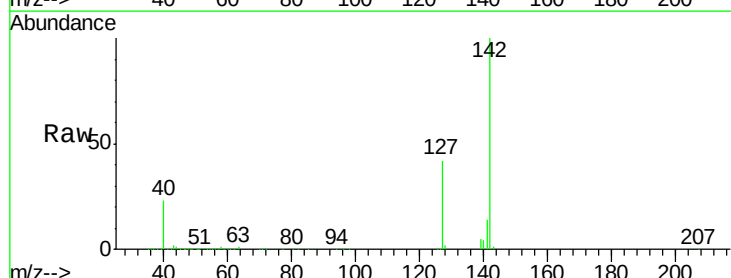
Manual Integrations
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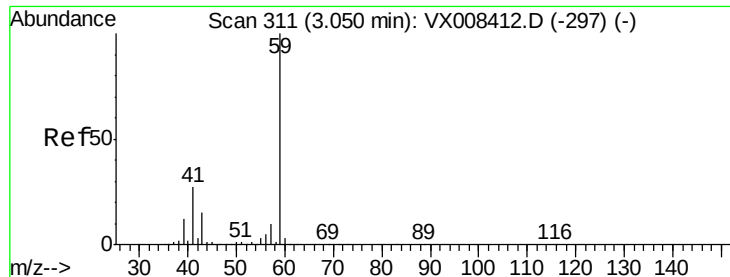
MMDadoda
3/26/2019 9:46:35 AM



#10
Methyl Iodide
Concen: 39.738 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	102899		
127	42.0	33.6	50.4	
141	14.1	11.3	16.9	





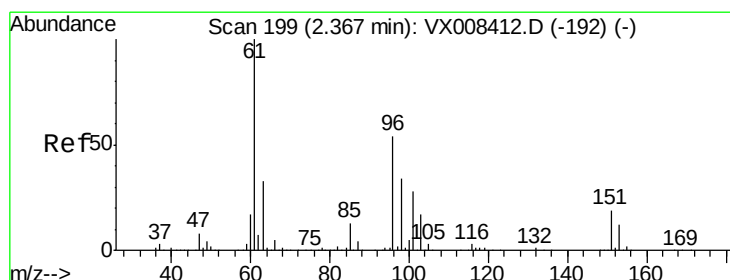
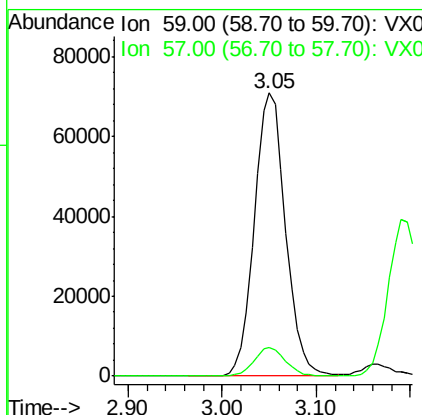
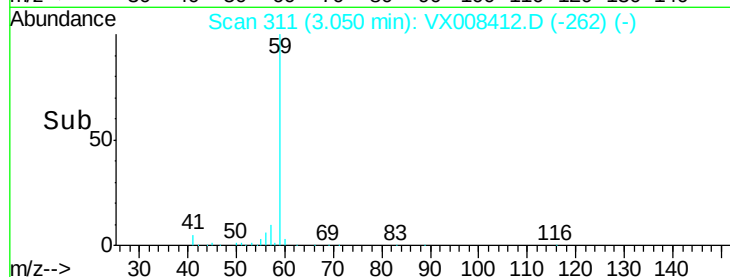
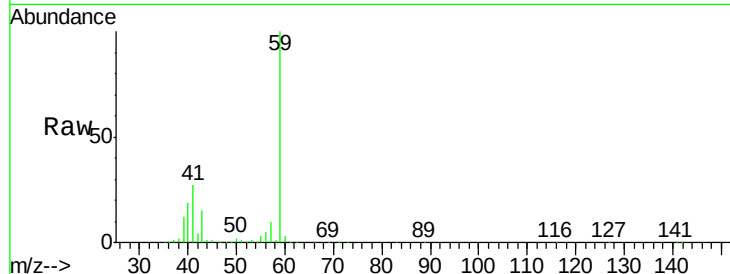
#11
Tert butyl alcohol
Concen: 247.582 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 164358
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

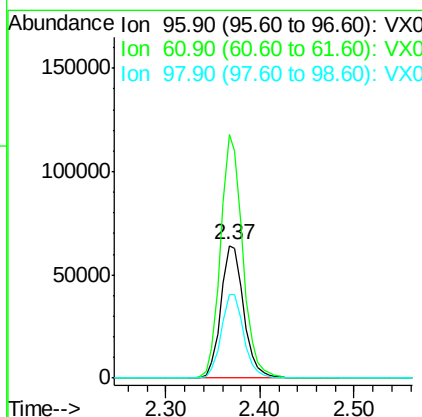
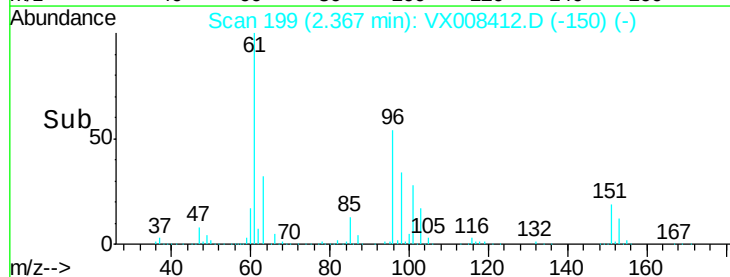
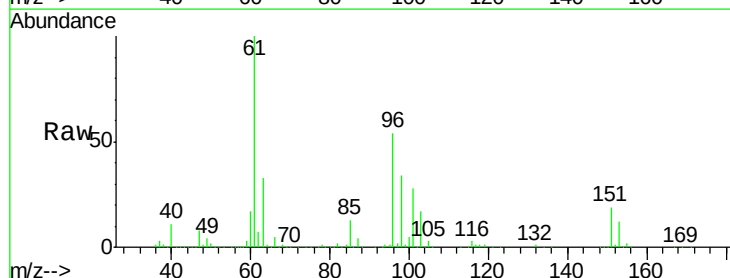
Manual Integrations
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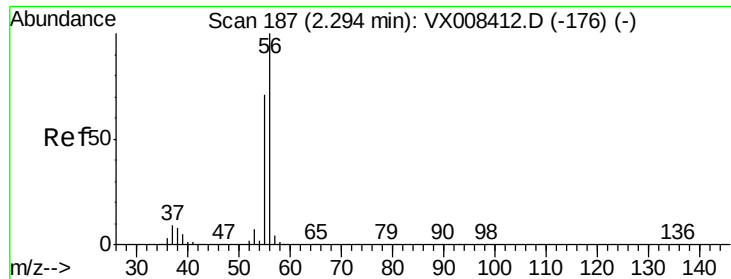
MMDadoda
3/26/2019 9:46:35 AM



#12
1,1-Dichloroethene
Concen: 48.358 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion: 96 Resp: 107535
Ion Ratio Lower Upper
96 100
61 183.6 146.9 220.3
98 62.6 50.1 75.1





#13

Acrolein

Concen: 204.617 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 110626

Ion Ratio Lower Upper

56 100

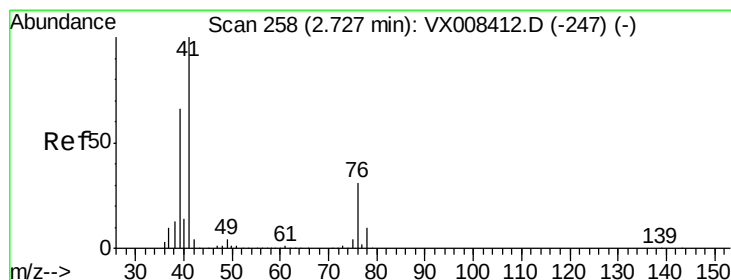
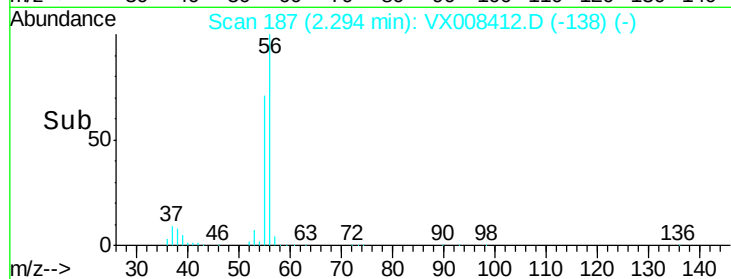
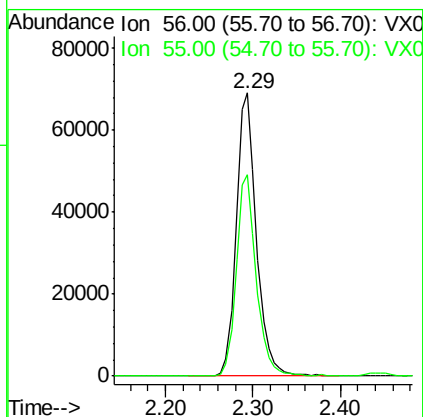
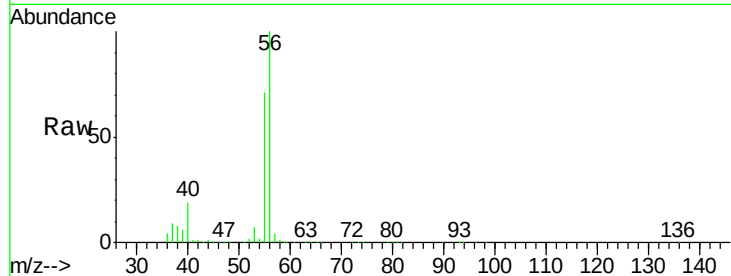
55 70.6 56.5 84.7

Manual Integrations

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MMDadoda

3/26/2019 9:46:35 AM



#14

Allyl chloride

Concen: 48.773 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

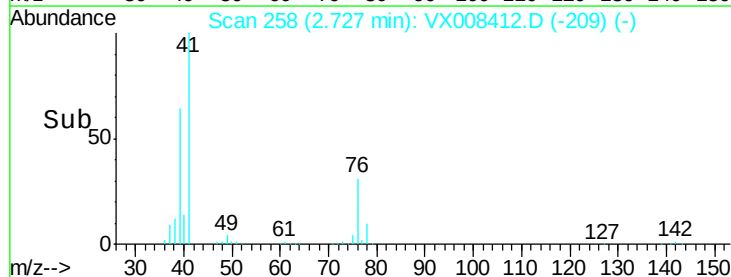
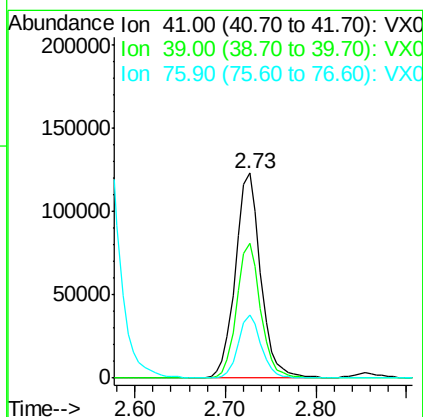
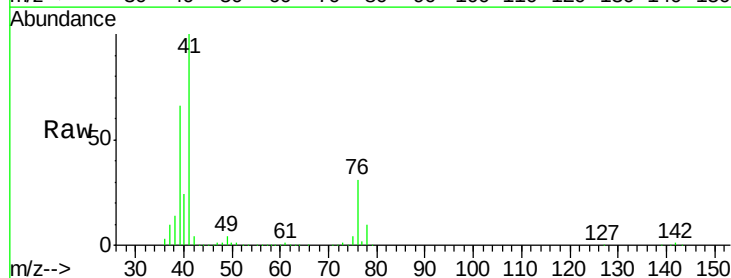
Tgt Ion: 41 Resp: 239110

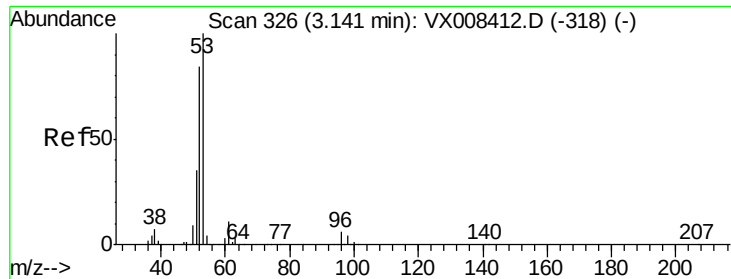
Ion Ratio Lower Upper

41 100

39 62.0 49.6 74.4

76 28.3 22.6 34.0





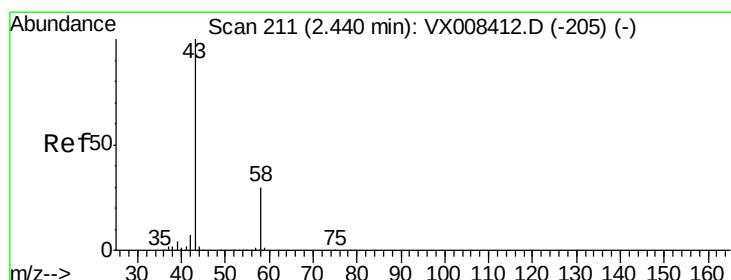
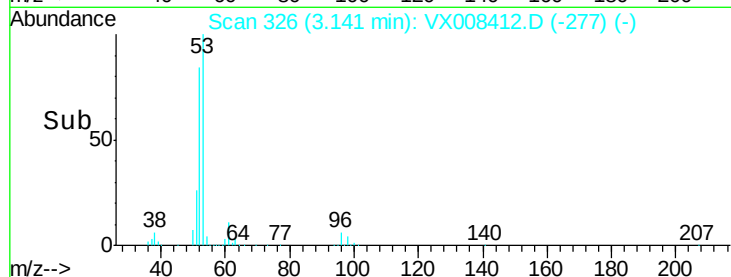
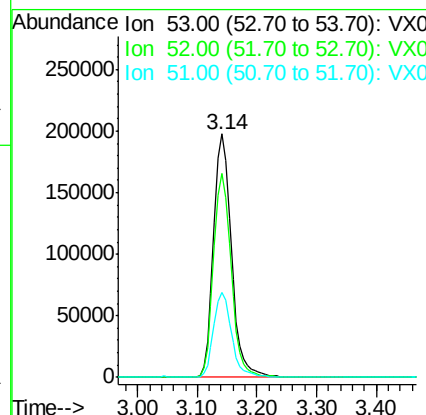
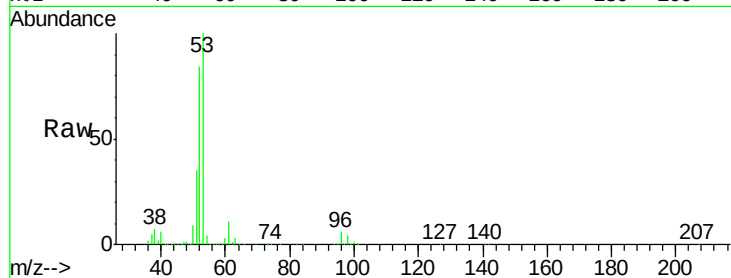
#15
 Acrylonitrile
 Concen: 241.055 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.4	28.3	42.5

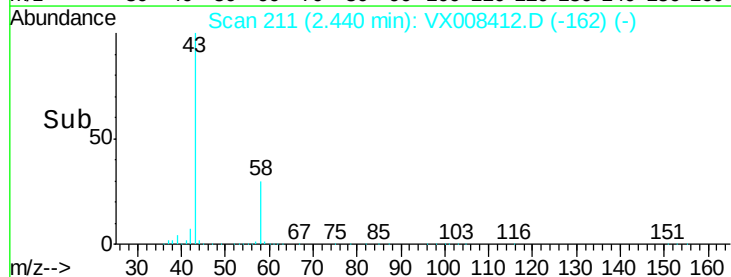
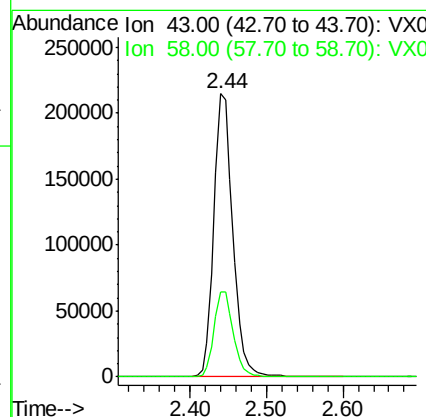
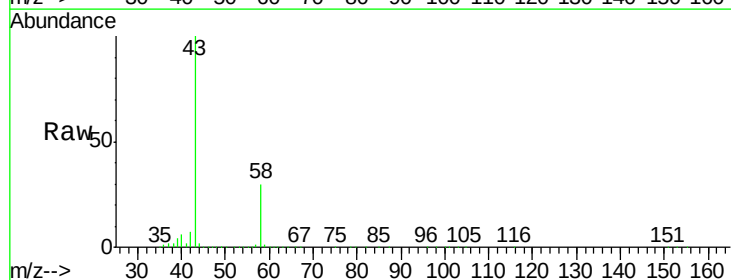
Manual Integrations
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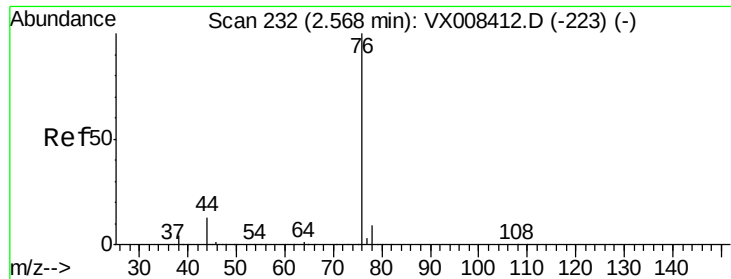
MMDadoda
 3/26/2019 9:46:35 AM



#16
 Acetone
 Concen: 247.888 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.2





#17

Carbon Disulfide

Concen: 45.587 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 323228

Ion Ratio Lower Upper

76 100

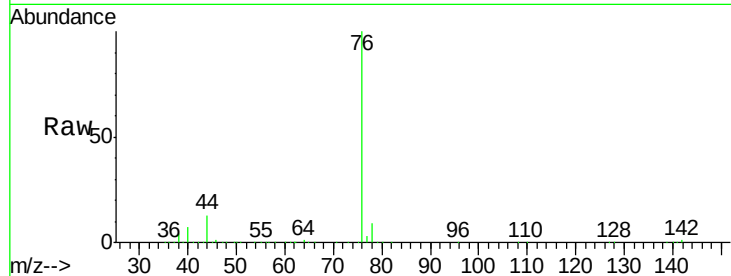
78 9.3 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

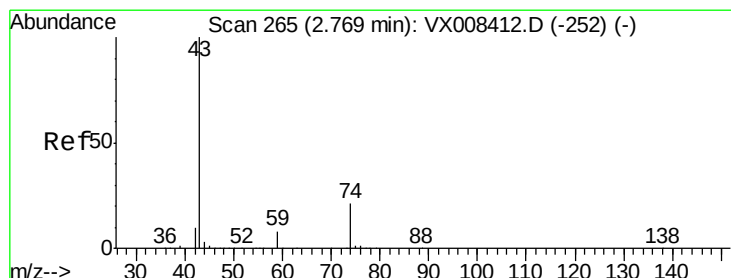
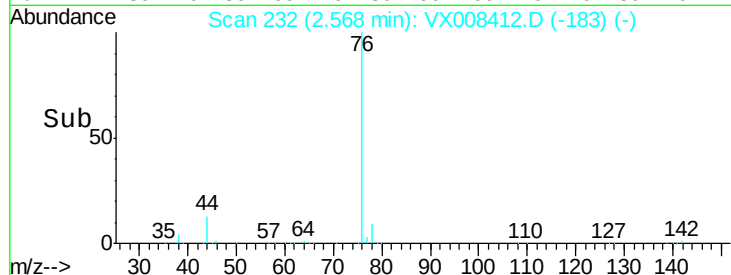
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.960 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008412.D

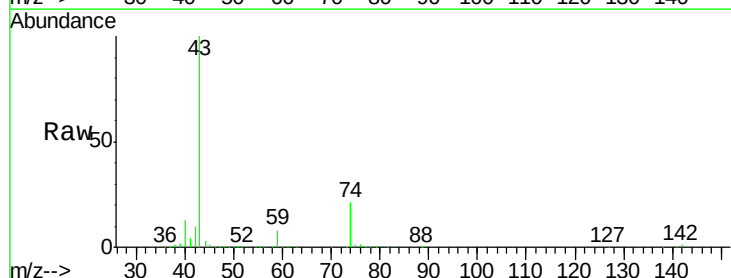
Acq: 25 Mar 2019 14:54

Tgt Ion: 43 Resp: 173898

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

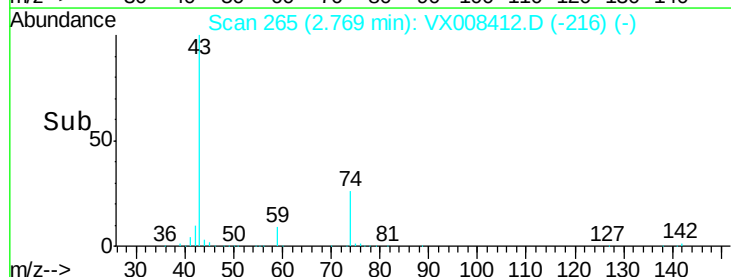
60000

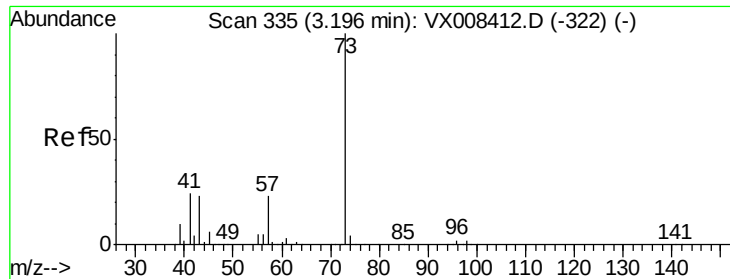
40000

20000

0

Time-->





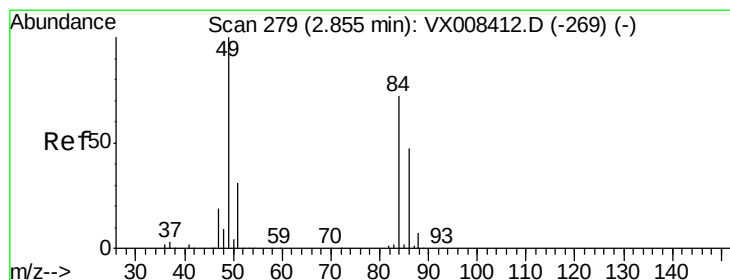
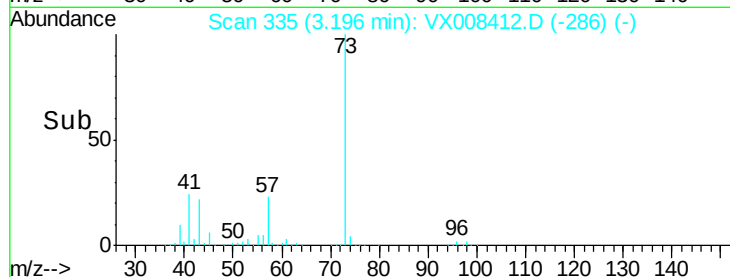
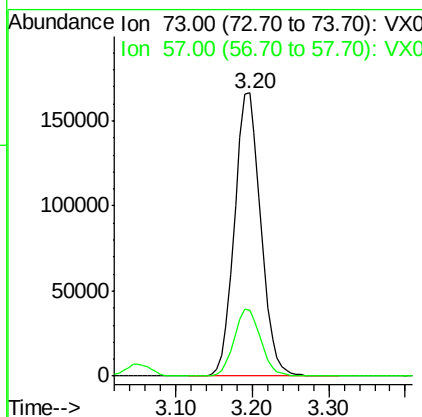
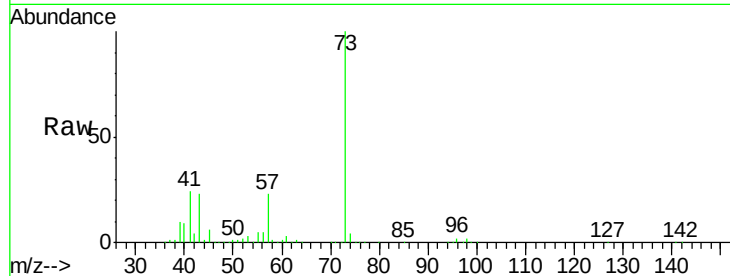
#19
Methyl tert-butyl Ether
Concen: 49.486 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0

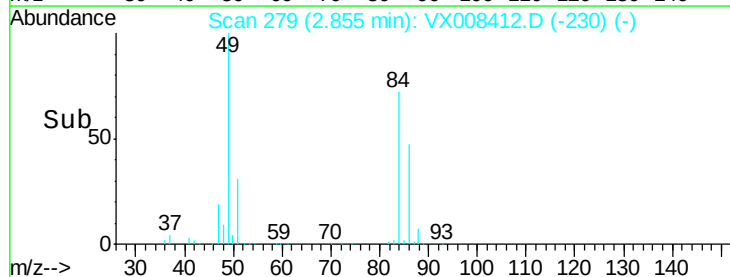
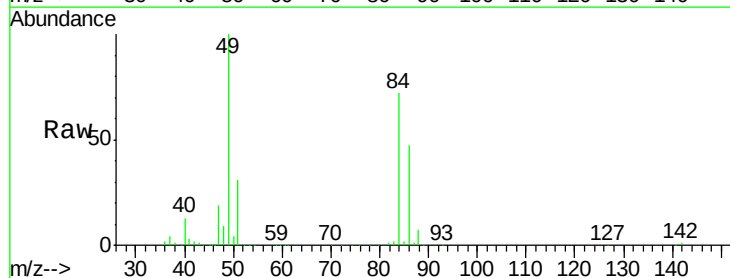
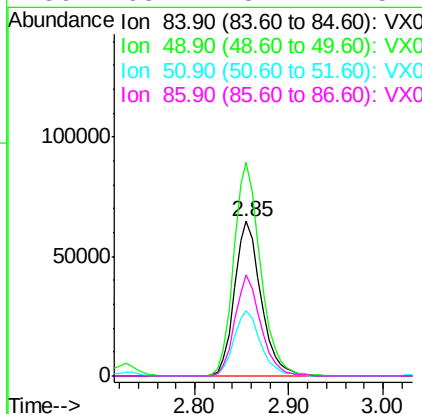
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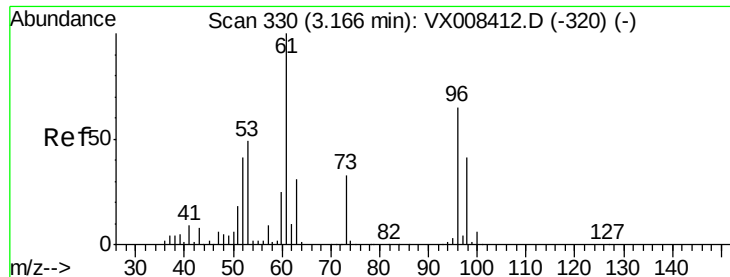
MMDadoda
3/26/2019 9:46:35 AM



#20
Methylene Chloride
Concen: 47.279 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	110.6	165.8
51	42.4	33.9	50.9
86	65.2	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 47.085 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 112973

Ion Ratio Lower Upper

96 100

61 153.3 122.6 184.0

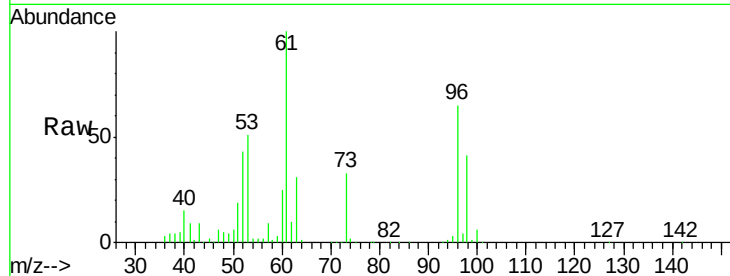
98 63.6 50.9 76.3

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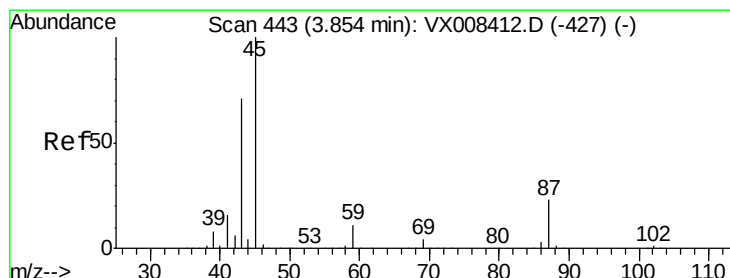
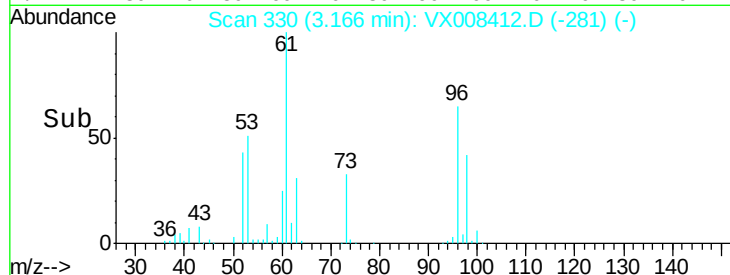
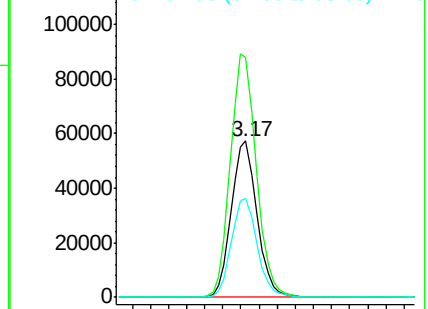


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.262 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion: 45 Resp: 471039

Ion Ratio Lower Upper

45 100

43 71.4 57.1 85.7

87 23.5 18.8 28.2

59 10.9 8.7 13.1

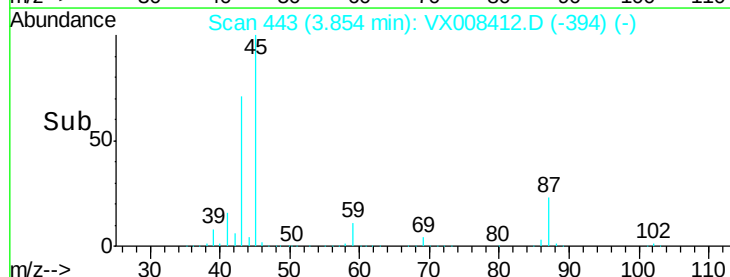
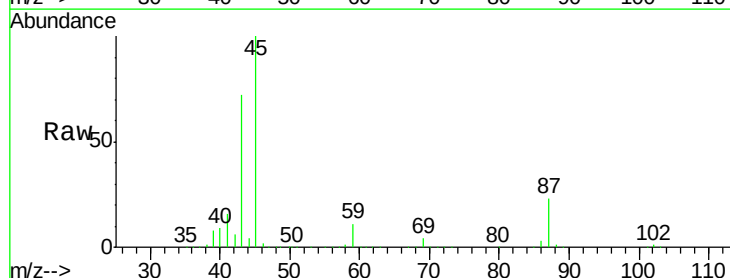
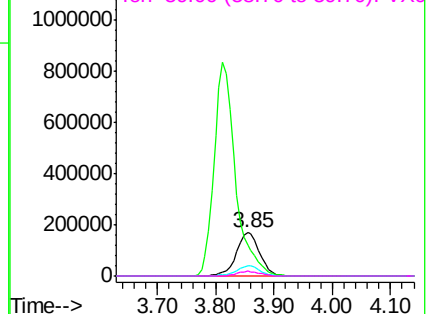
Abundance

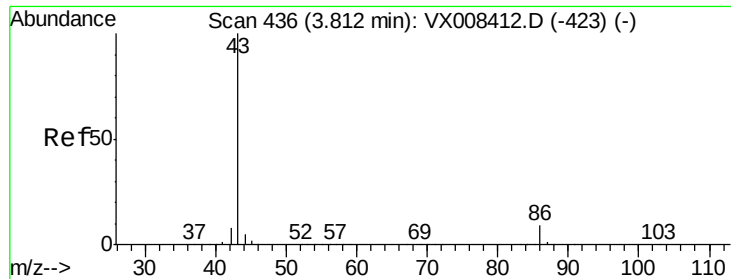
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 251.710 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2122641

Ion Ratio Lower Upper

43 100

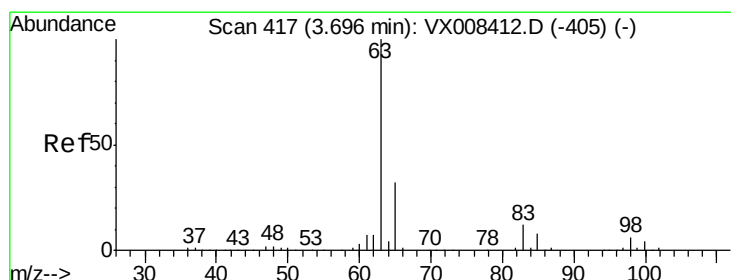
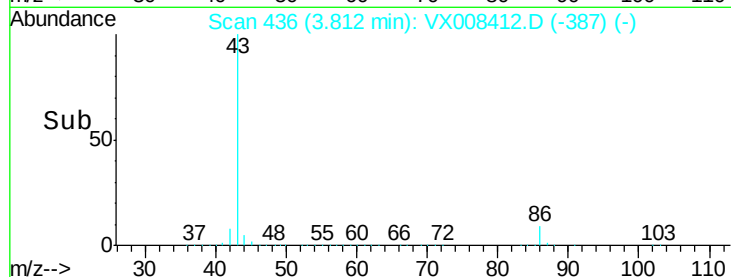
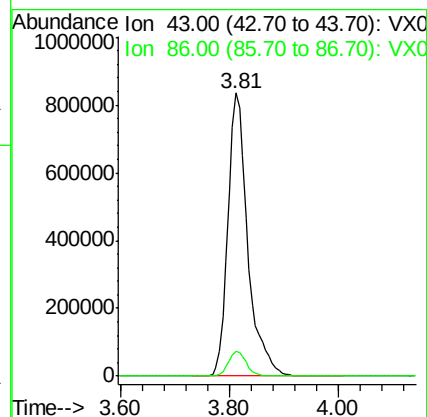
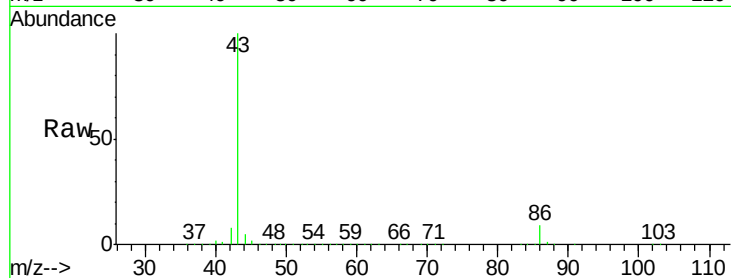
86 8.6 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 48.585 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

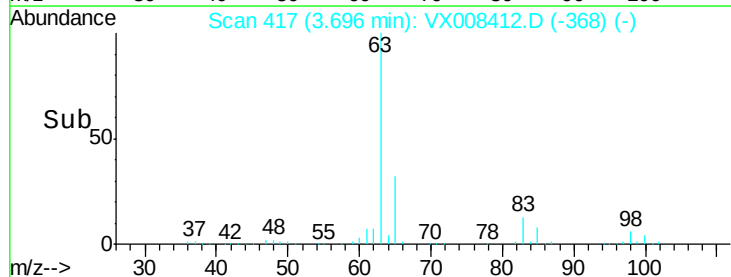
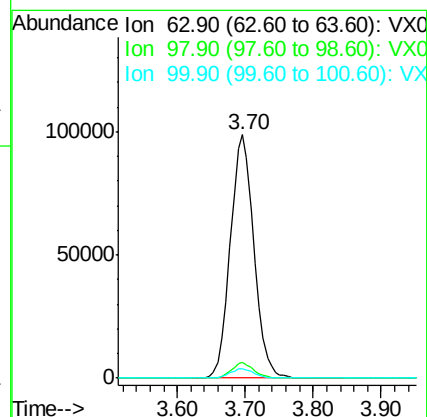
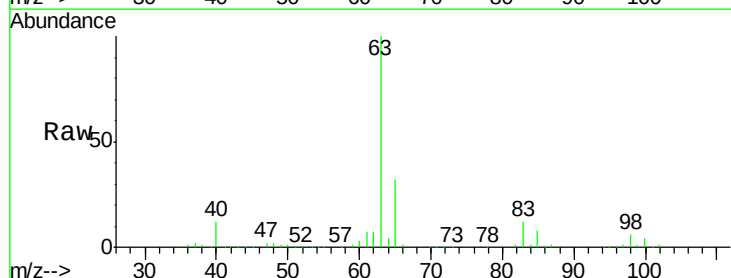
Tgt Ion: 63 Resp: 236635

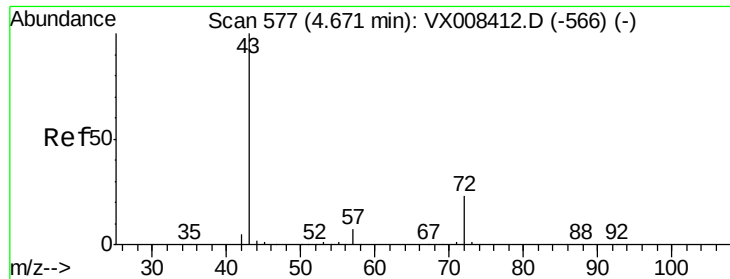
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 244.981 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 598083

Ion Ratio Lower Upper

43 100

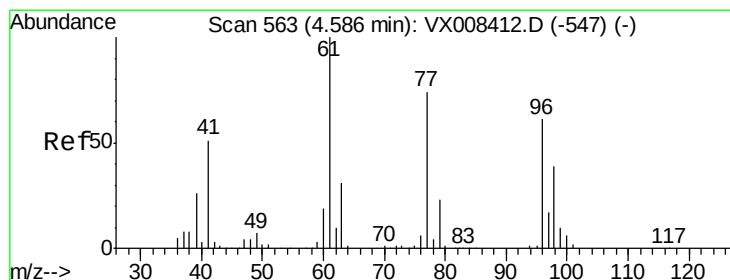
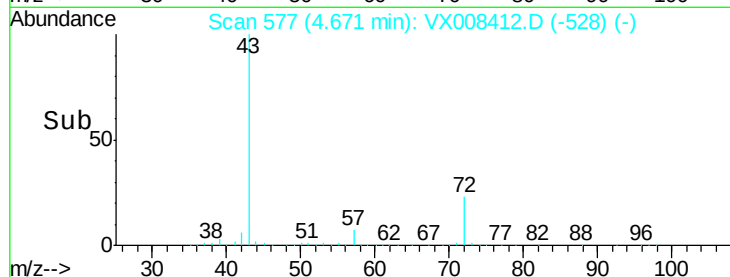
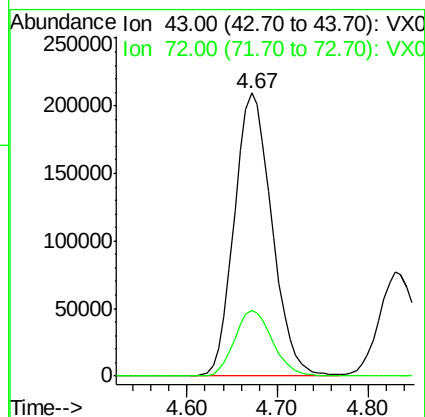
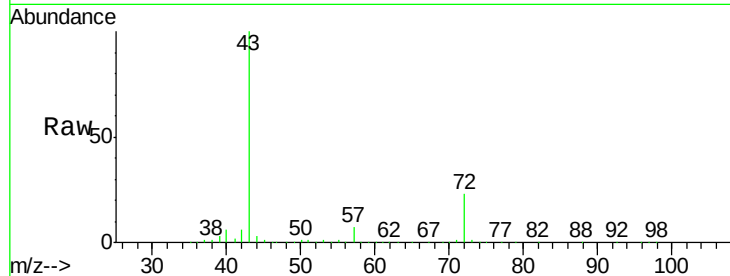
72 23.3 18.6 28.0

Manual Integrations

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3/26/2019 9:46:35 AM



#26

2,2-Dichloropropane

Concen: 51.392 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008412.D

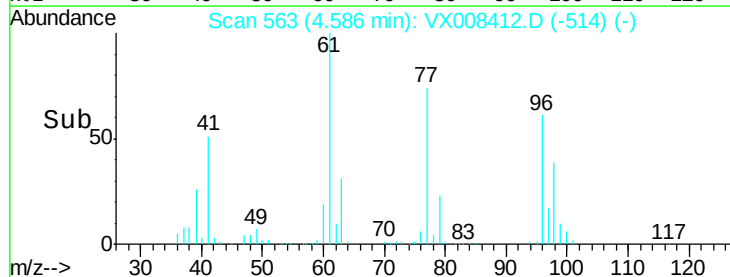
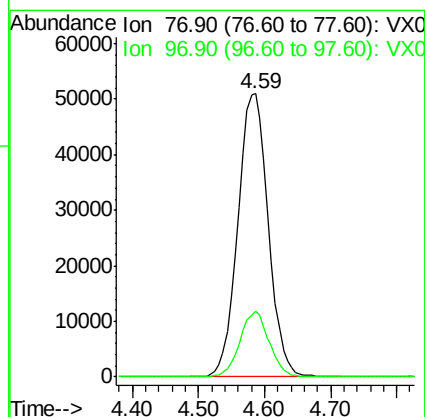
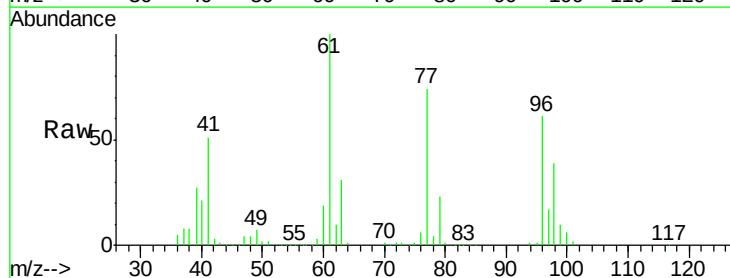
Acq: 25 Mar 2019 14:54

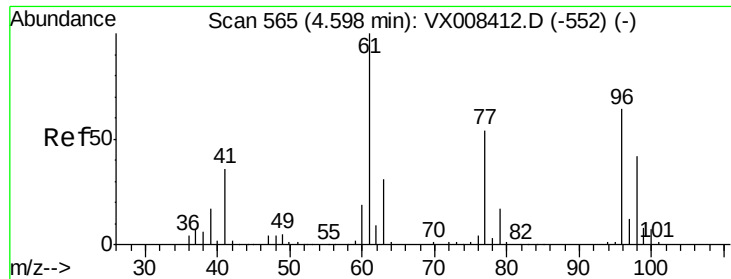
Tgt Ion: 77 Resp: 162378

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

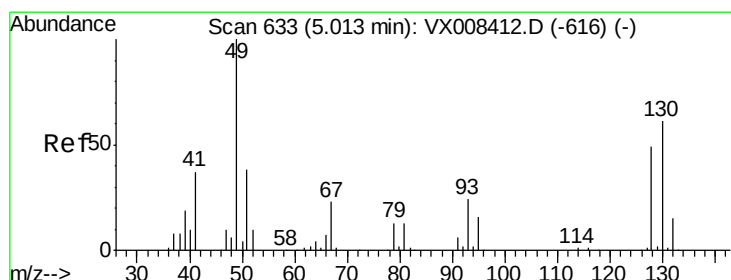
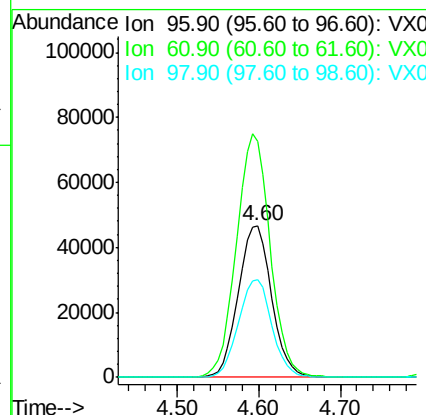
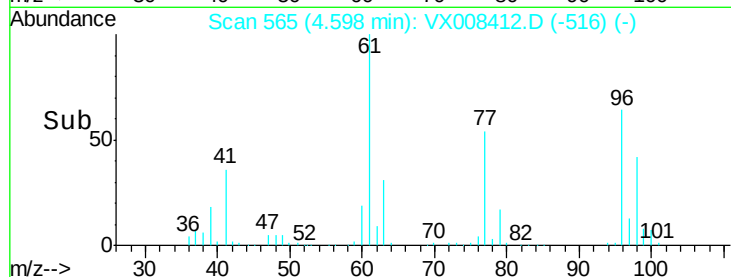
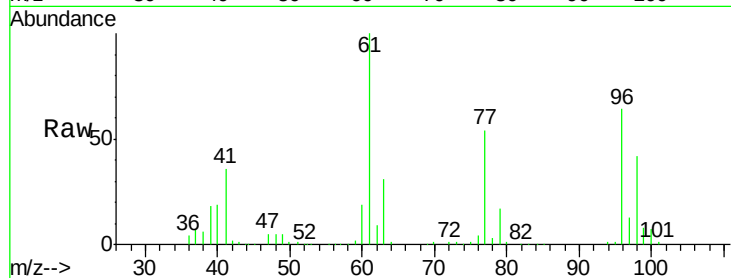
cis-1,2-Dichloroethene
Concen: 47.995 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131972		
61	162.8	0.0	325.6	
98	65.0	0.0	130.0	

Manual Integrations
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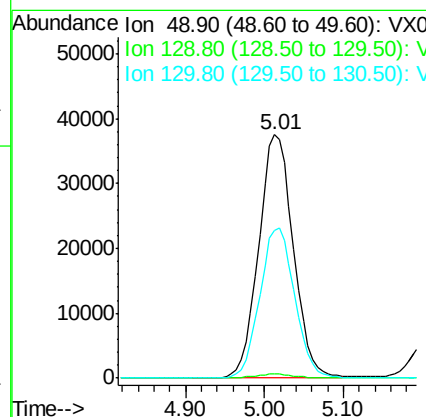
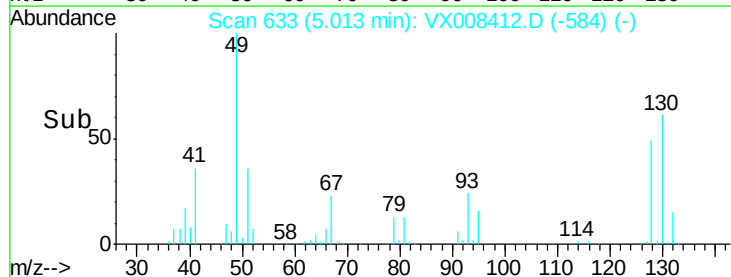
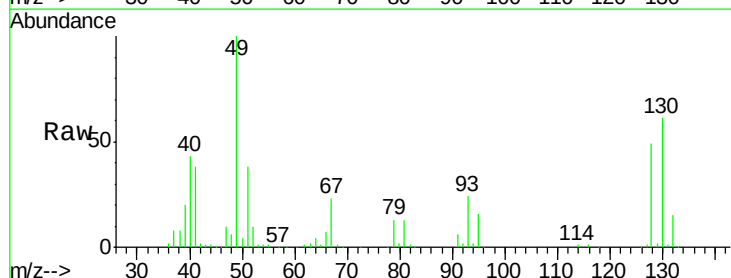
MMDadoda
3/26/2019 9:46:35 AM

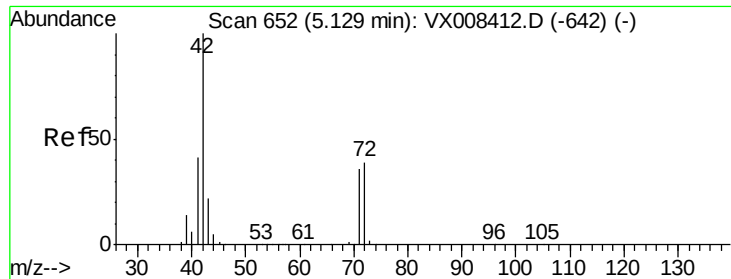


#28

Bromochloromethane
Concen: 47.753 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114431		
129	1.7	0.0	3.4	
130	62.2	49.8	74.6	





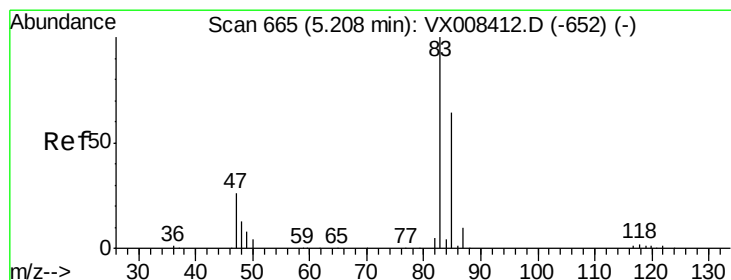
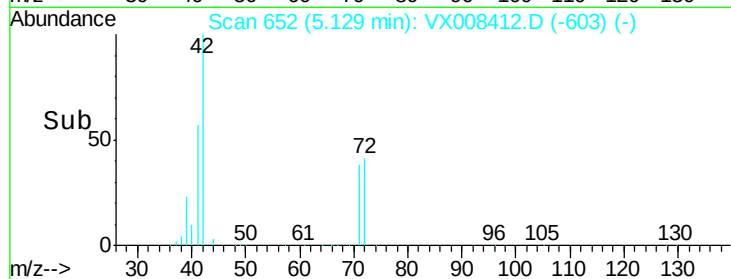
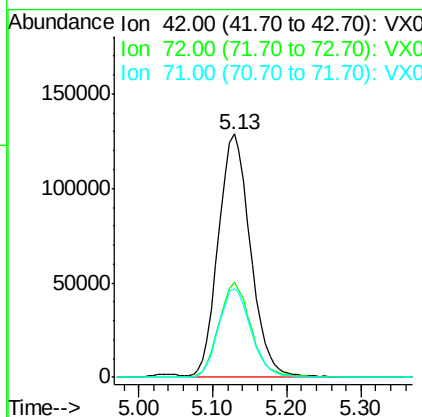
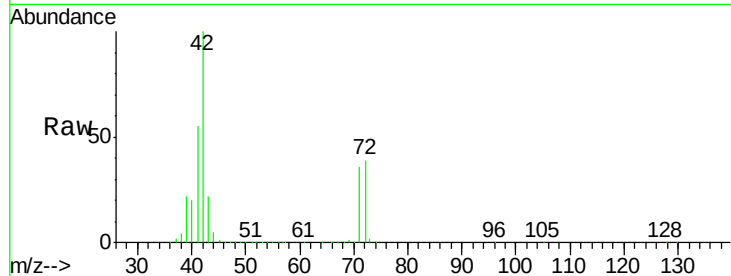
#29
Tetrahydrofuran
Concen: 239.732 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	36.8	29.4	44.2

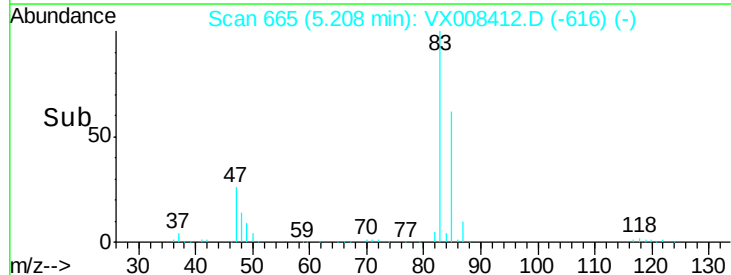
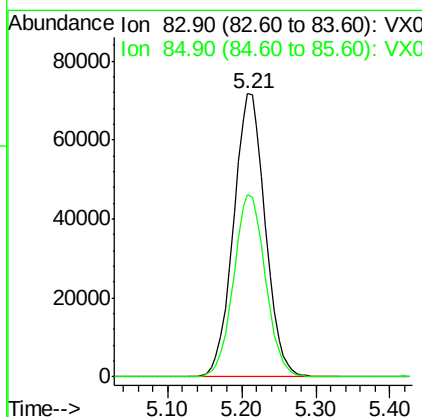
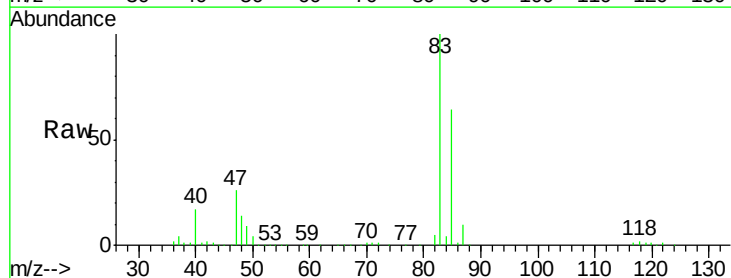
Manual Integrations
APPROVED

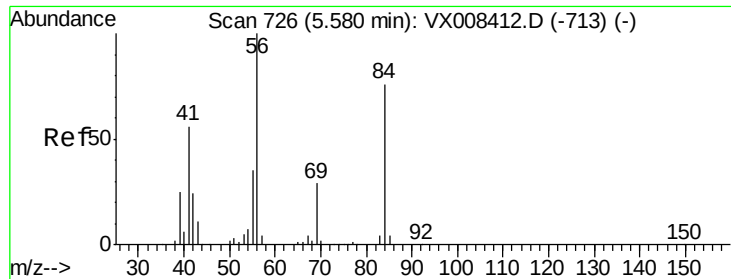
MMDadoda
3/26/2019 9:46:35 AM



#30
Chloroform
Concen: 48.835 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





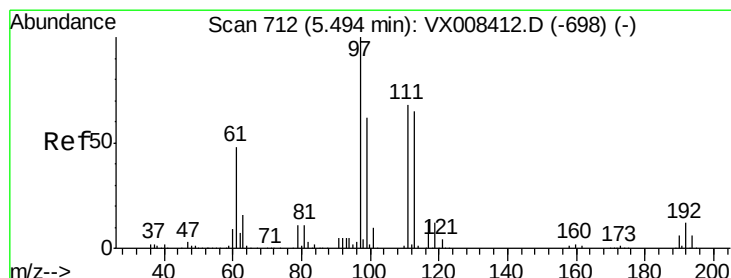
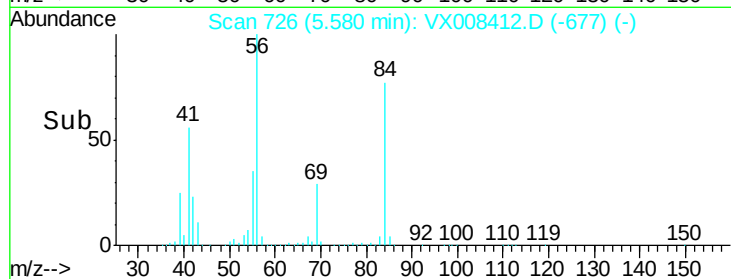
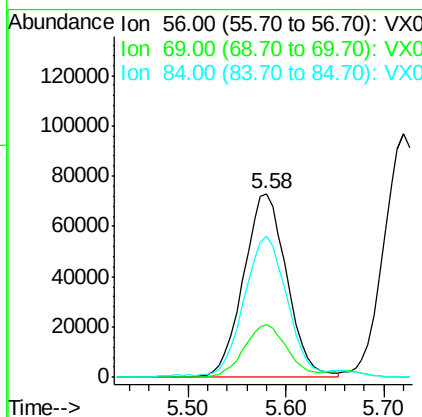
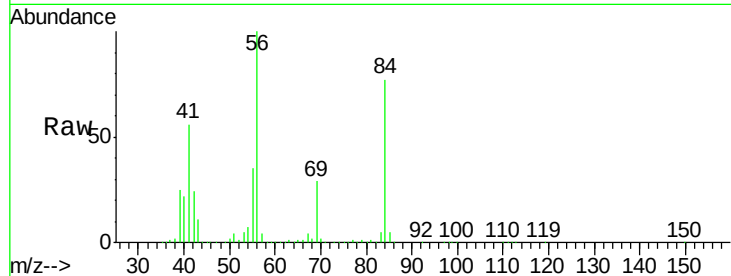
#31
Cyclohexane
Concen: 47.978 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.2	34.8
84	75.9	60.7	91.1

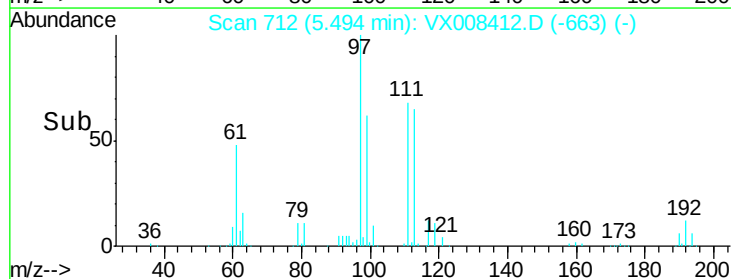
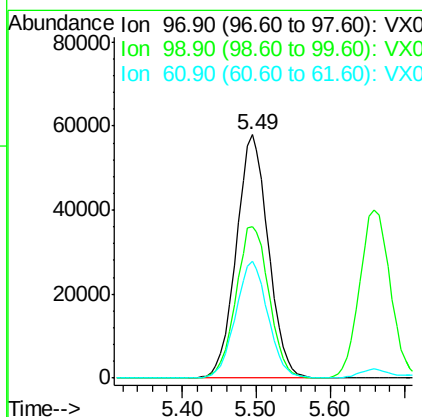
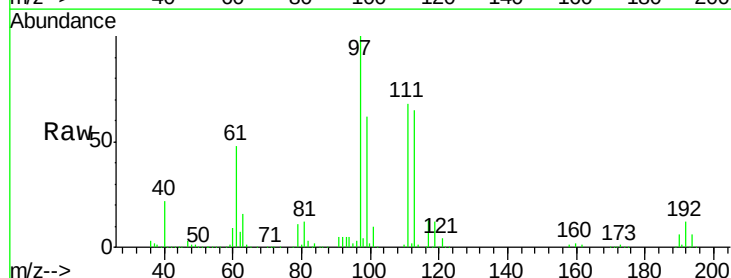
Manual Integrations
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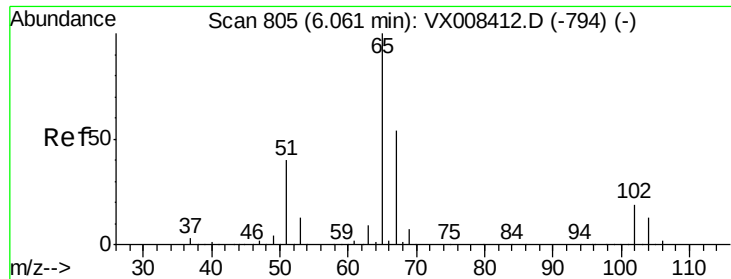
MMDadoda
3/26/2019 9:46:35 AM



#32
1,1,1-Trichloroethane
Concen: 50.124 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.5	38.8	58.2





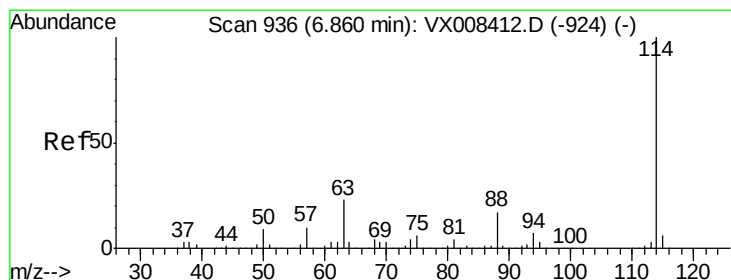
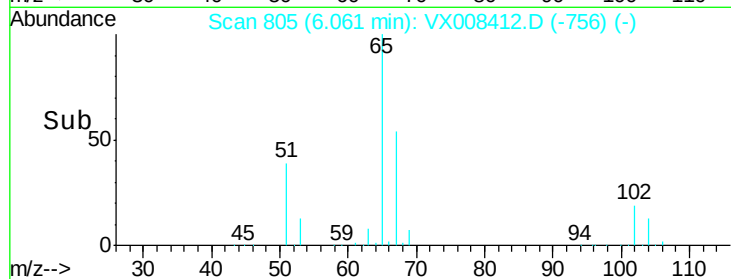
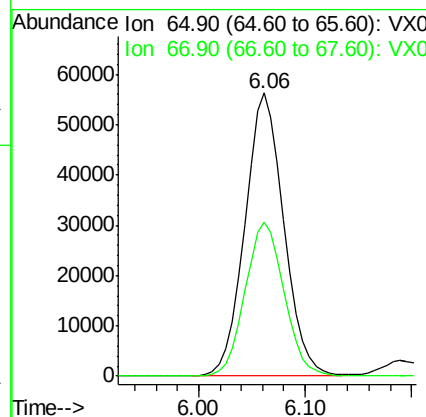
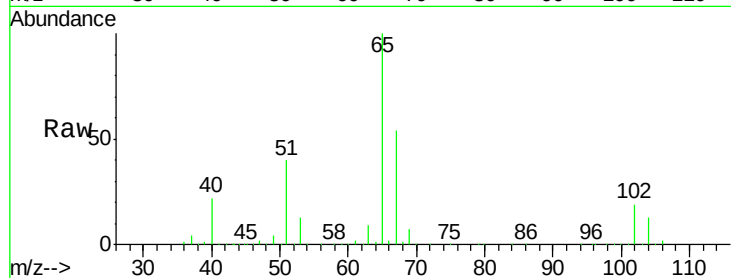
#33
 1,2-Dichloroethane-d4
 Concen: 48.723 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.4

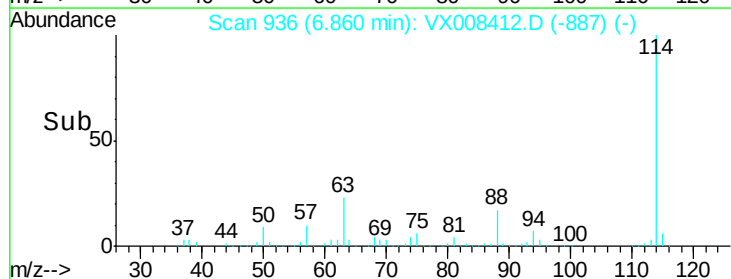
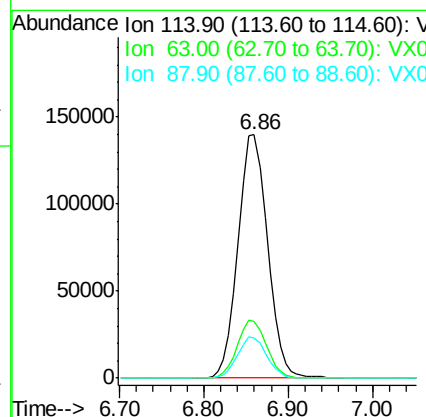
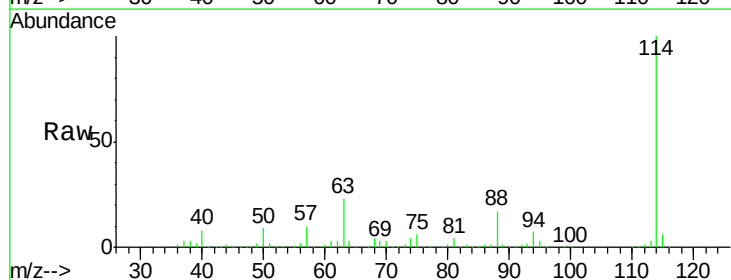
Manual Integrations
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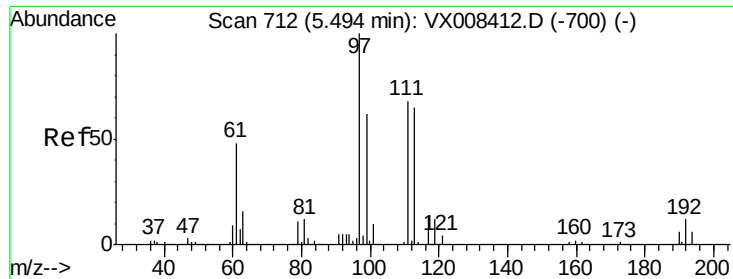
MMDadoda
 3/26/2019 9:46:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.4
88	16.6	0.0	33.2





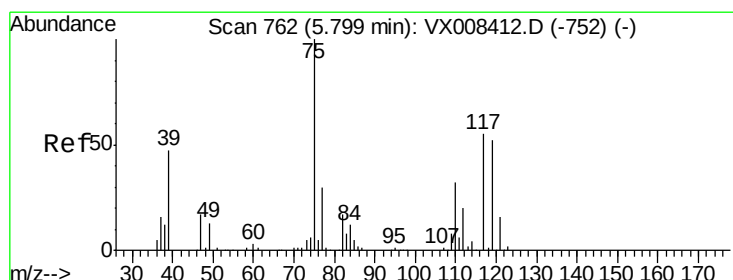
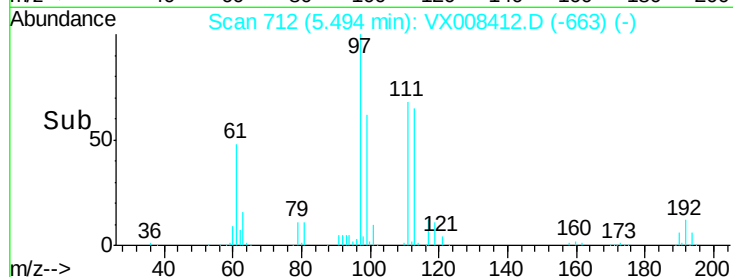
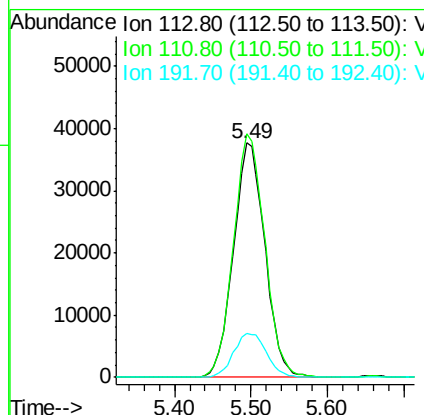
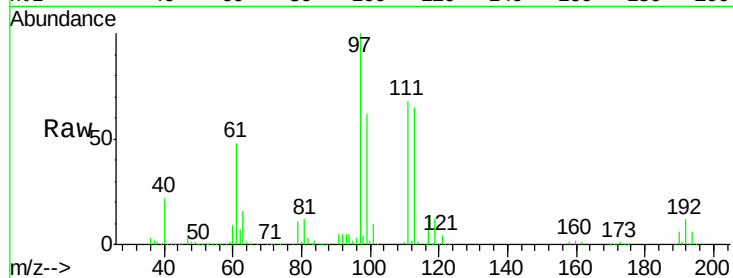
#35
 Dibromofluoromethane
 Concen: 49.896 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107233		
111	103.7	83.0	124.4	
192	19.5	15.6	23.4	

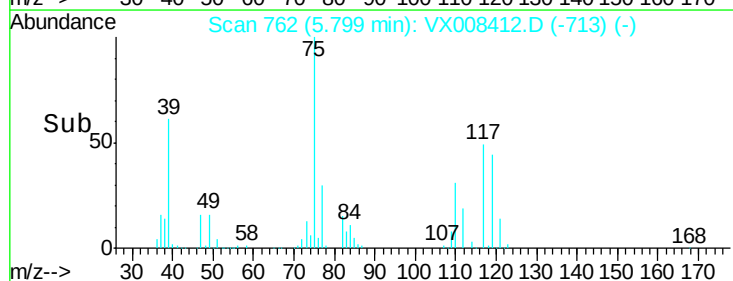
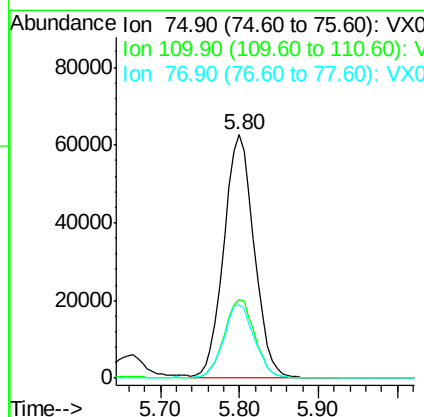
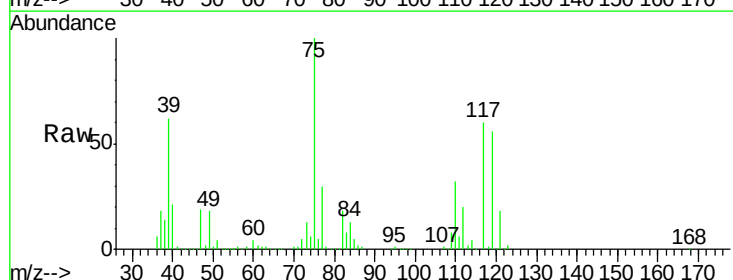
Manual Integrations
 APPROVED

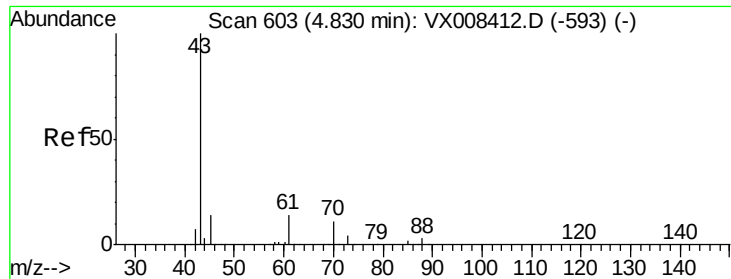
MMDadoda
 3/26/2019 9:46:35 AM



#36
 1,1-Dichloropropene
 Concen: 49.374 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167410		
110	33.1	16.6	49.7	
77	30.2	24.2	36.2	





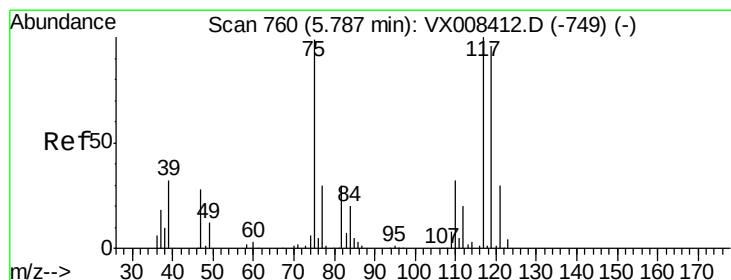
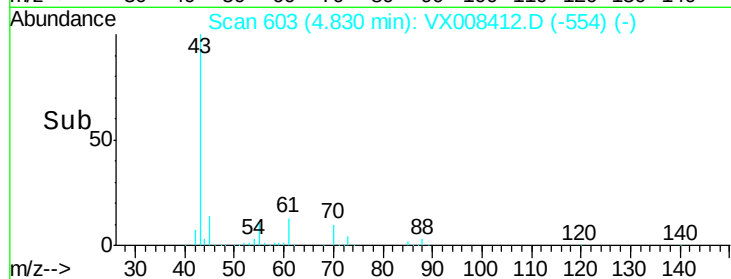
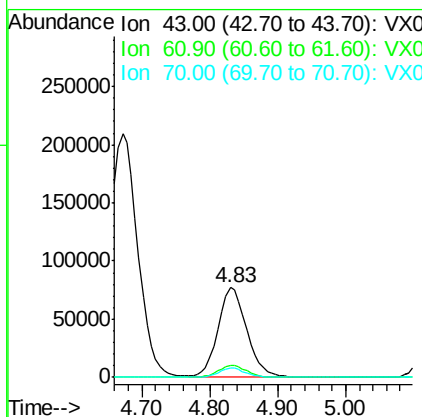
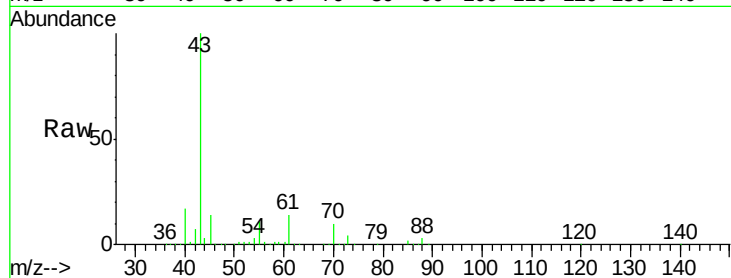
#37
Ethyl Acetate
Concen: 49.412 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.8	7.8	11.8

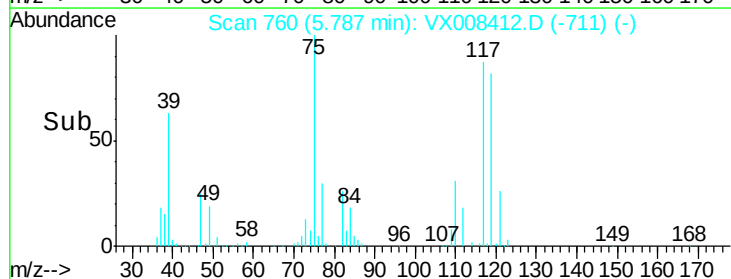
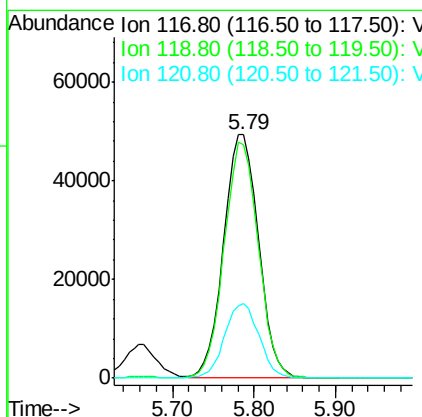
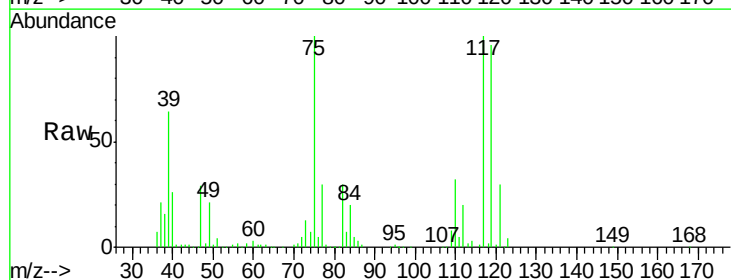
Manual Integrations
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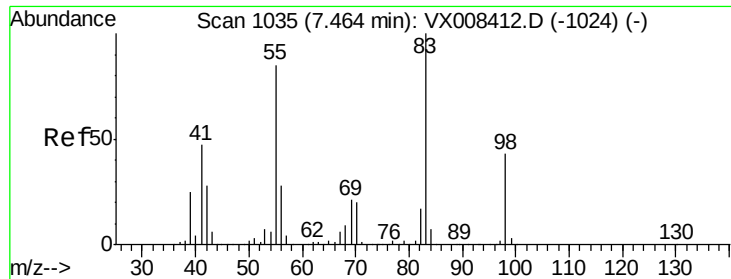
MMDadoda
3/26/2019 9:46:35 AM



#38
Carbon Tetrachloride
Concen: 50.258 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.4	24.3	36.5





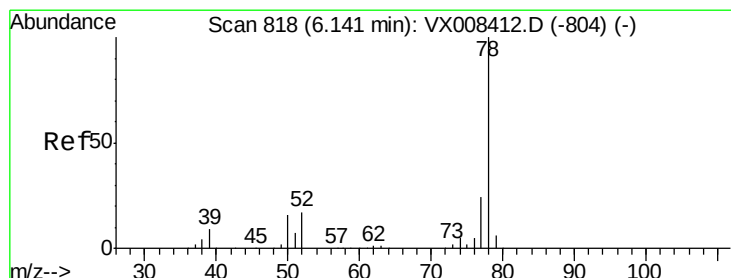
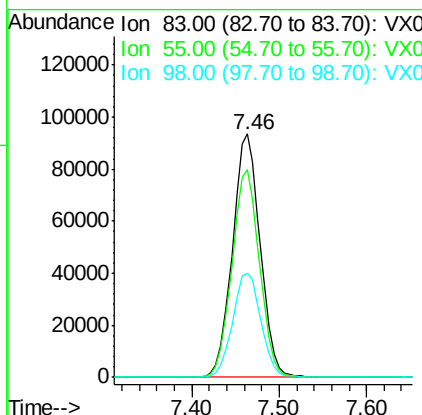
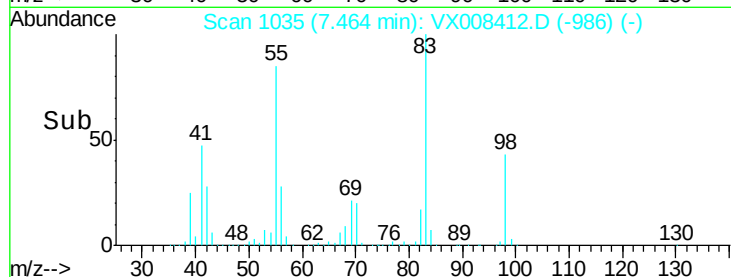
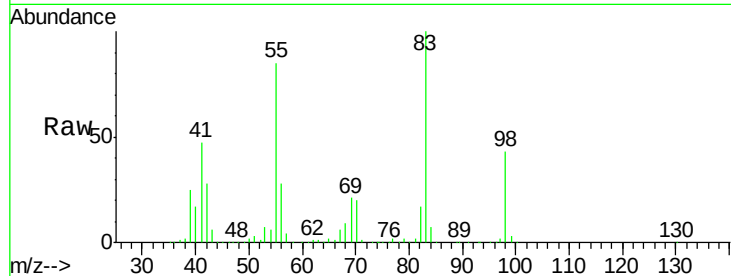
#39
Methylvlcyclohexane
Concen: 49.414 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	68.2	102.4
98	42.8	34.2	51.4

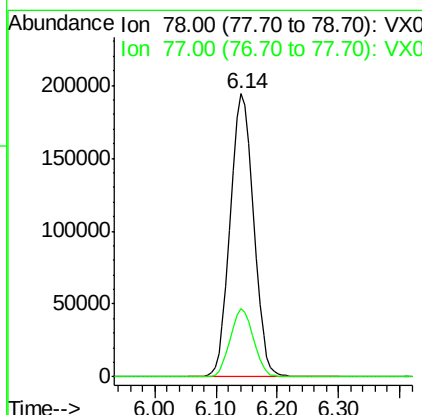
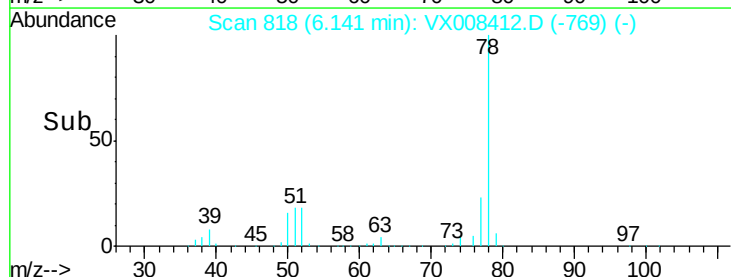
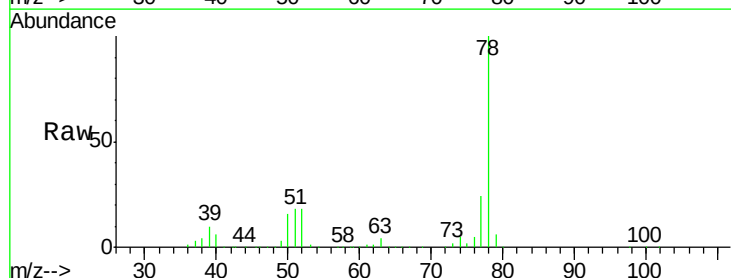
Manual Integrations
APPROVED

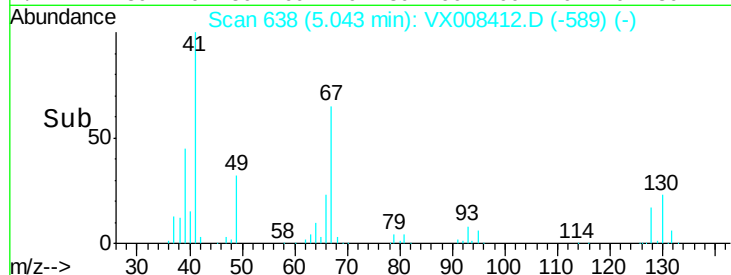
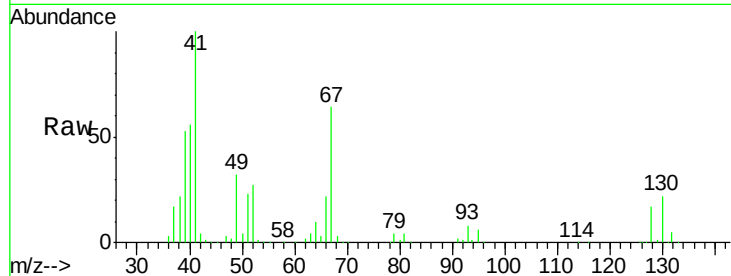
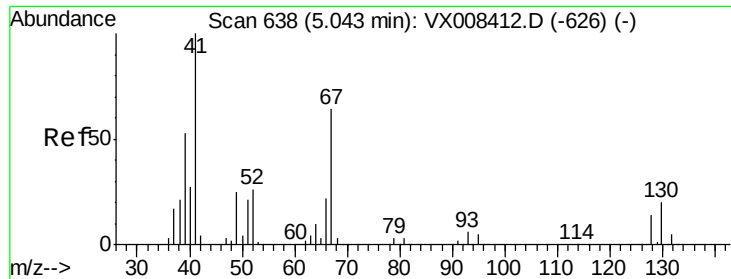
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#40
Benzene
Concen: 49.397 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 50.956 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.6	64.0	
67	65.3	52.2	78.4	
52	26.7	21.4	32.0	

Instrument :

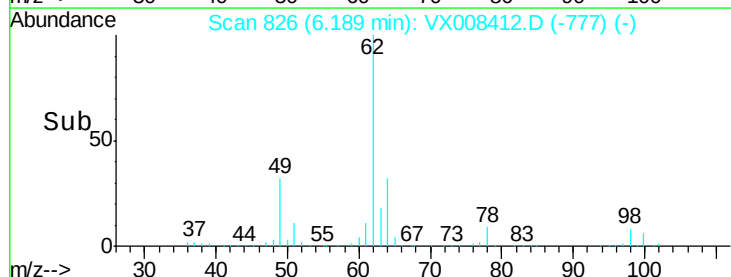
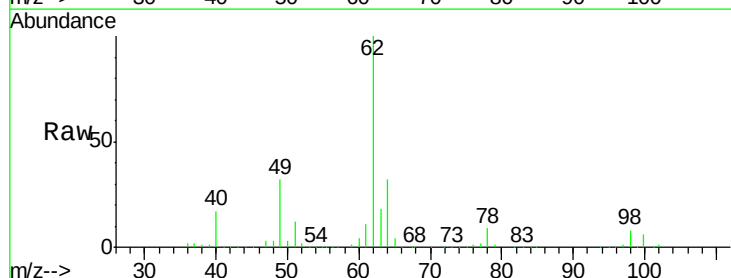
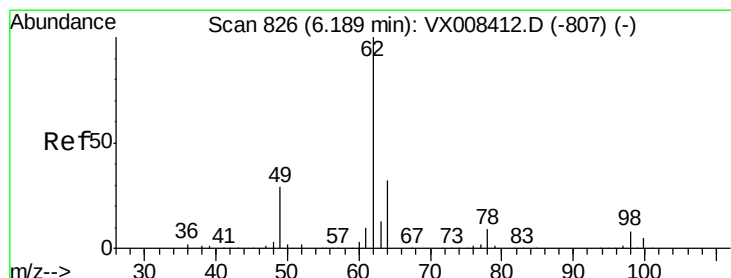
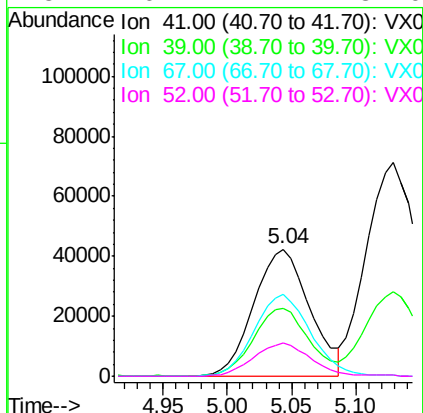
MSVOA_X

ClientSampleId :

VSTDICCC050

Manual Integrations
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MMDadoda
3/26/2019 9:46:35 AM



#42

1,2-Dichloroethane

Concen: 48.602 ug/l

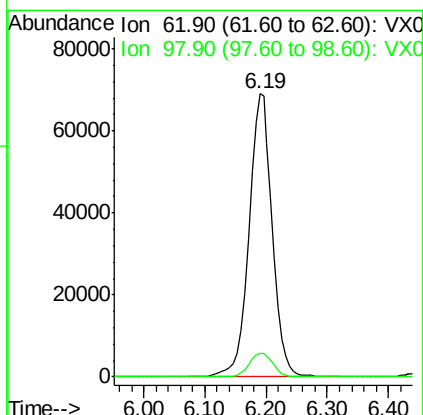
RT: 6.19 min Scan# 826

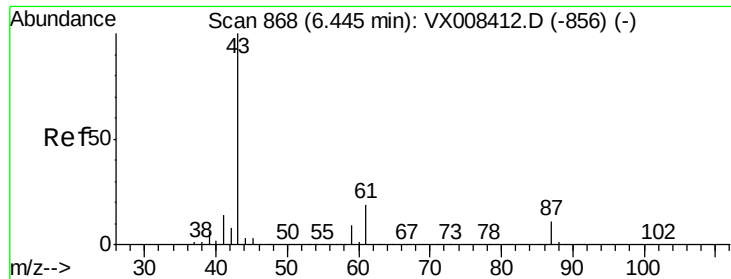
Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.6	





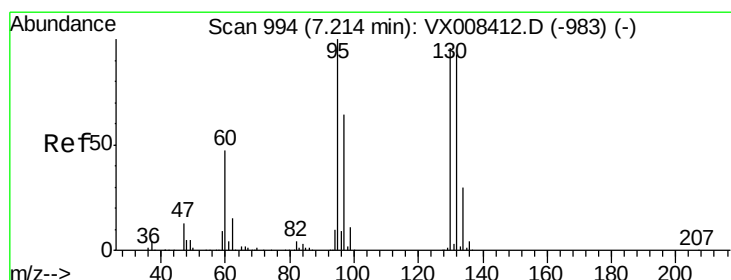
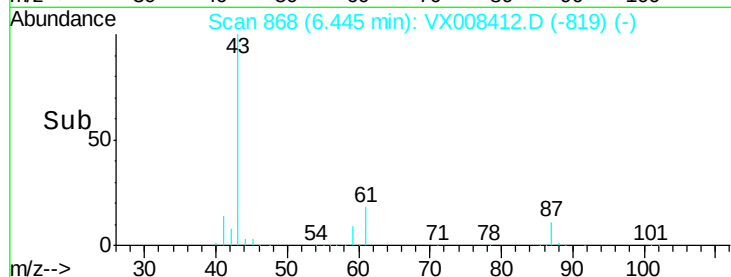
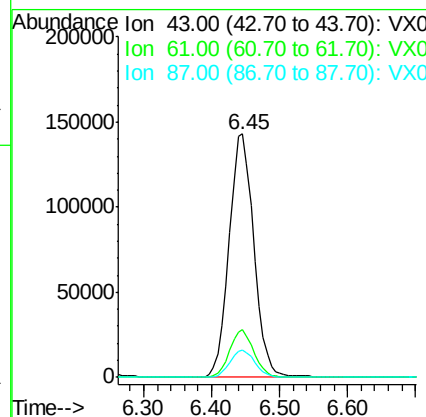
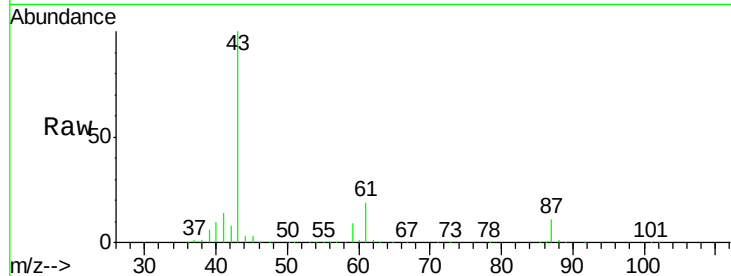
#43
Isopropyl Acetate
Concen: 50.452 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.4	9.1	13.7

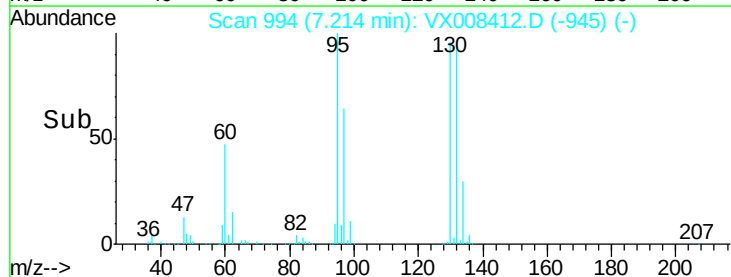
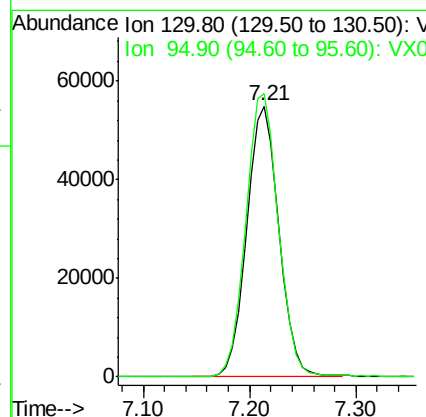
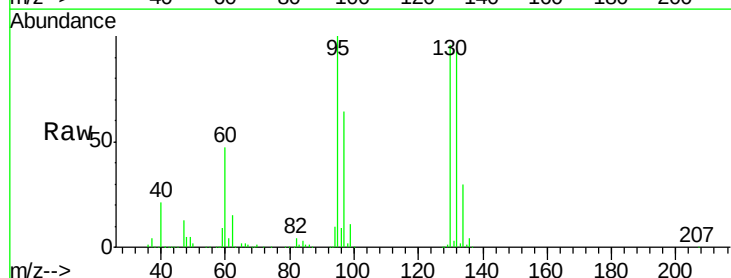
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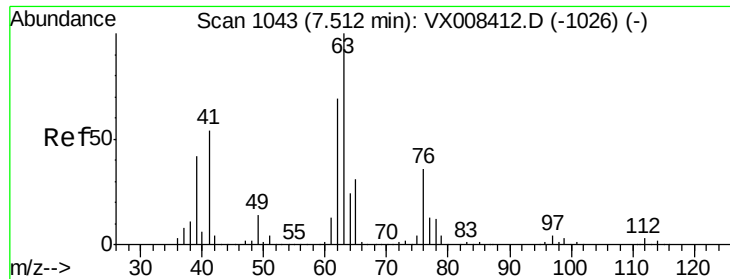
MMDadoda
3/26/2019 9:46:35 AM



#44
Trichloroethene
Concen: 48.521 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	208.8





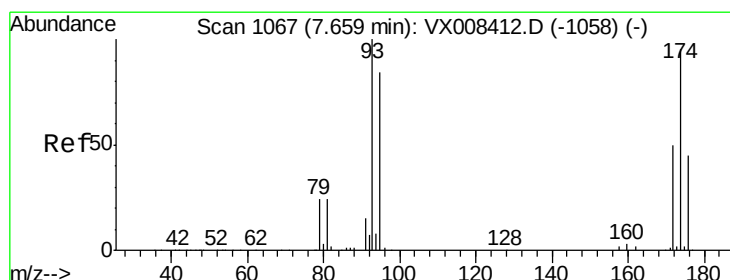
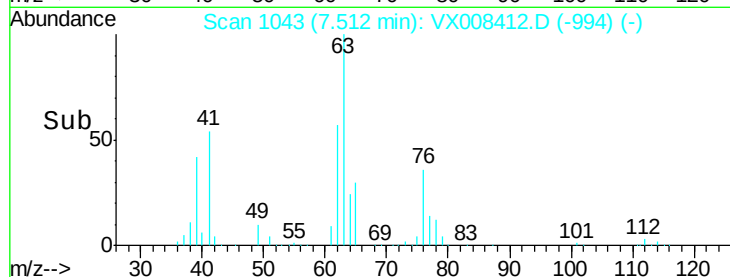
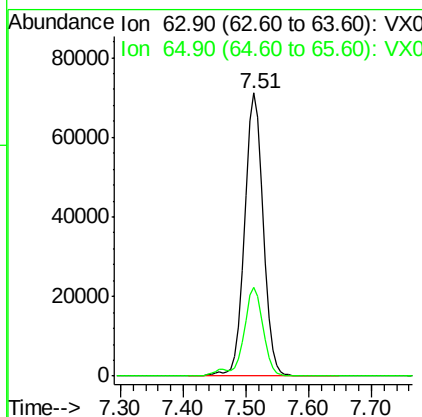
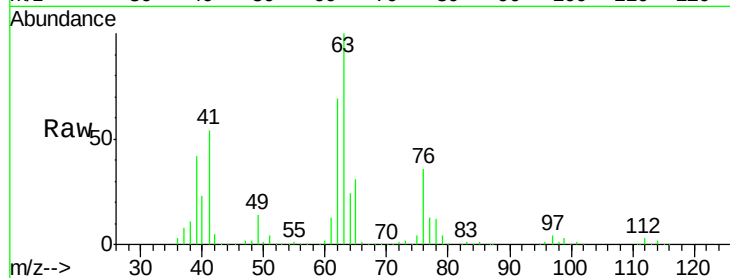
#45
 1,2-Dichloropropane
 Concen: 50.065 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 146544
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7

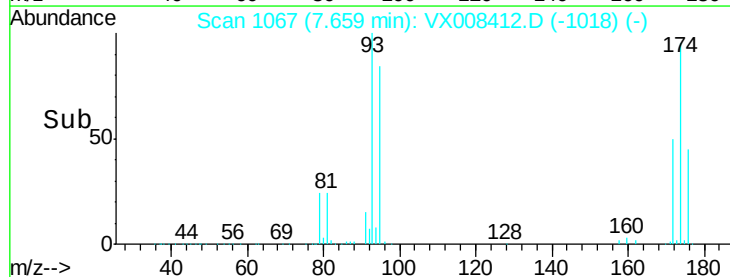
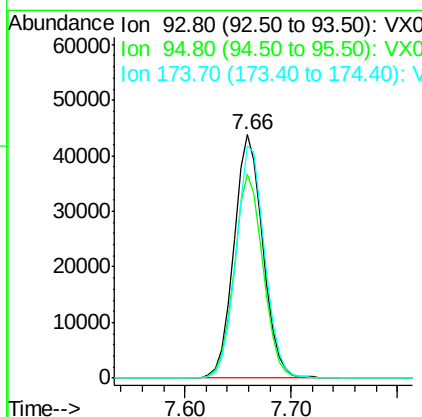
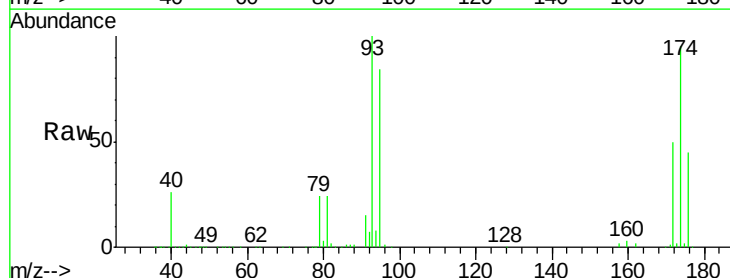
Manual Integrations
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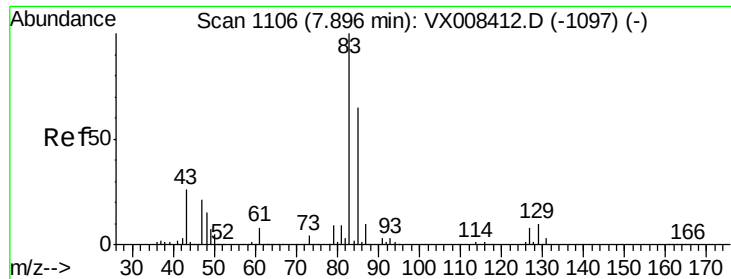
MMDadoda
 3/26/2019 9:46:35 AM



#46
 Dibromomethane
 Concen: 48.148 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion: 93 Resp: 83469
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 95.0 76.0 114.0





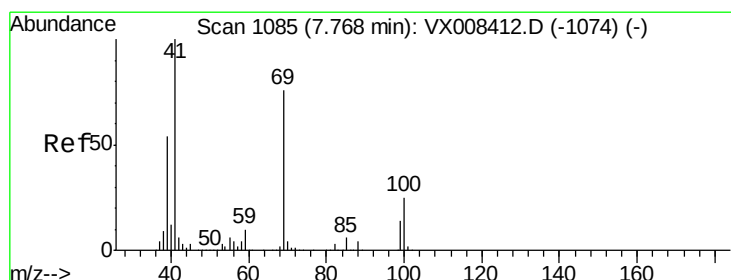
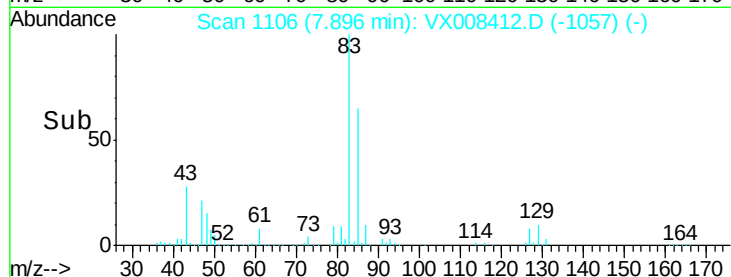
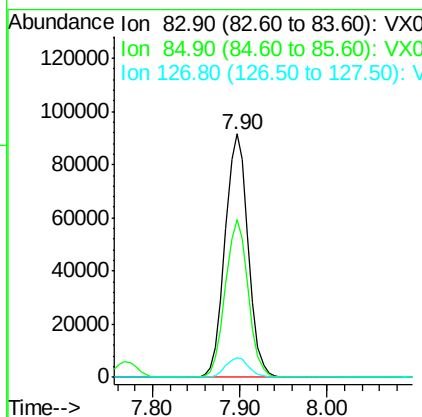
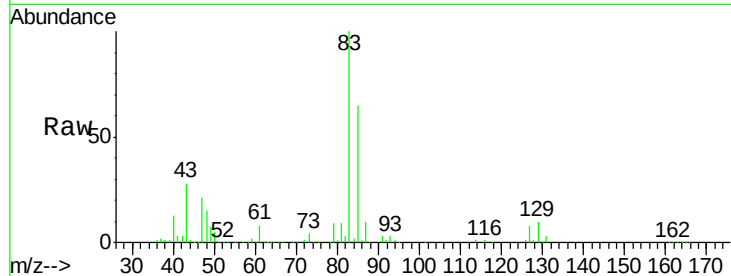
#47
Bromodichloromethane
Concen: 50.525 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	8.0	6.4	9.6

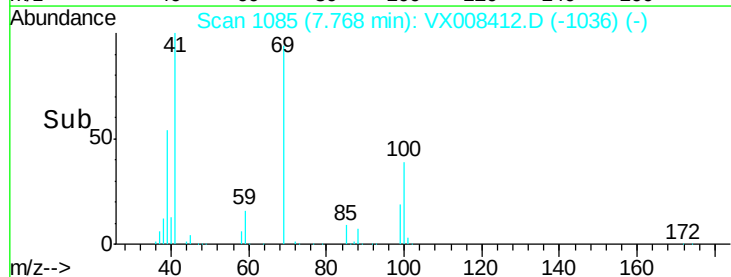
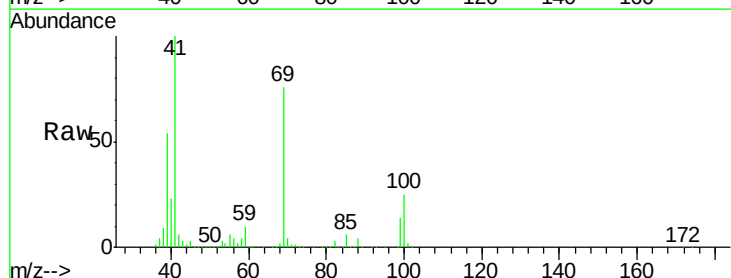
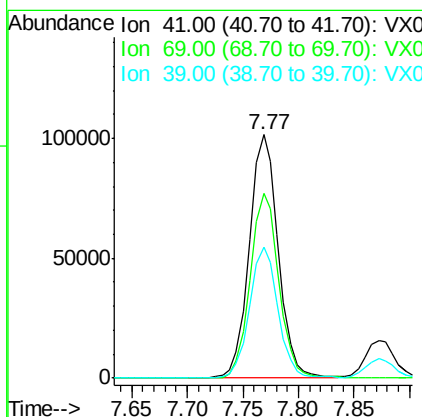
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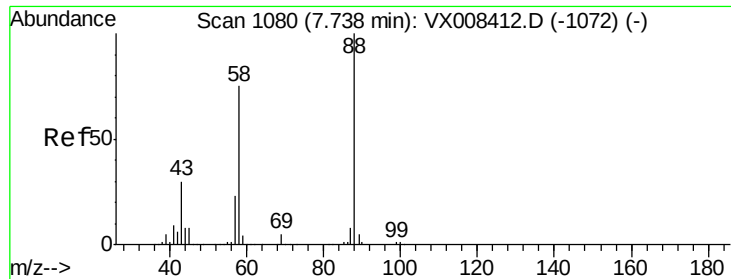
MMDadoda
3/26/2019 9:46:35 AM



#48
Methyl methacrylate
Concen: 50.707 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.0	60.8	91.2
39	52.9	42.3	63.5





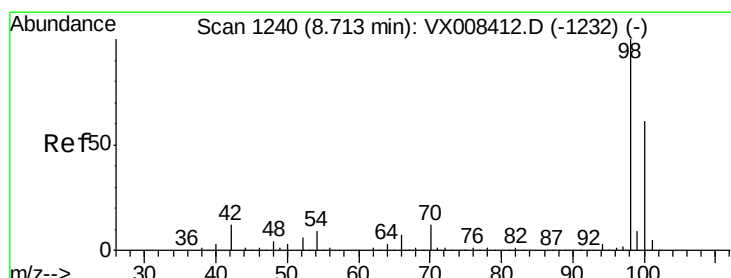
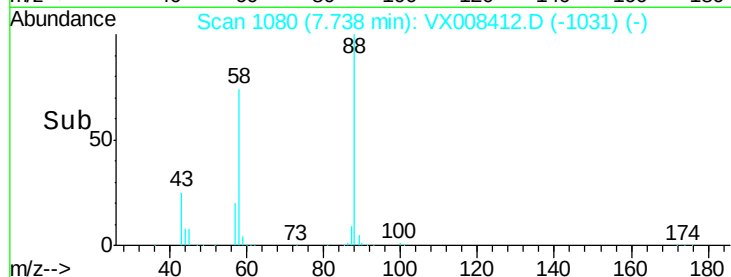
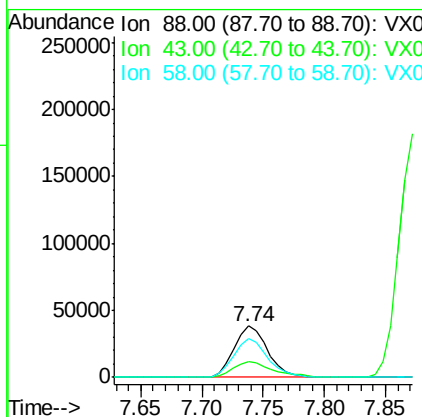
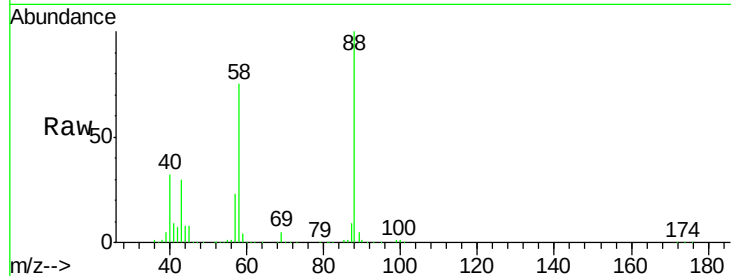
#49
1,4-Dioxane
Concen: 987.289 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	43.0
58	78.7	63.0	94.4

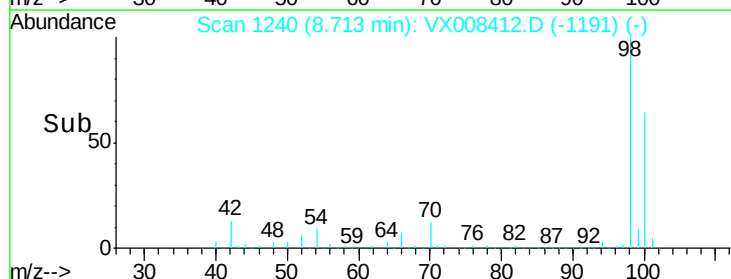
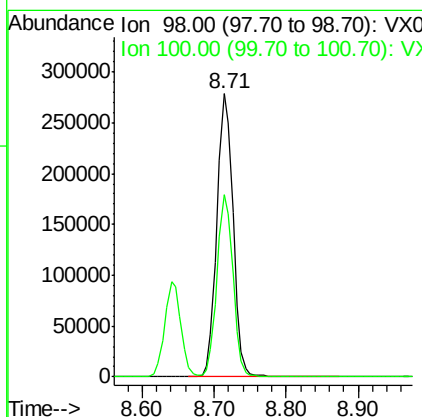
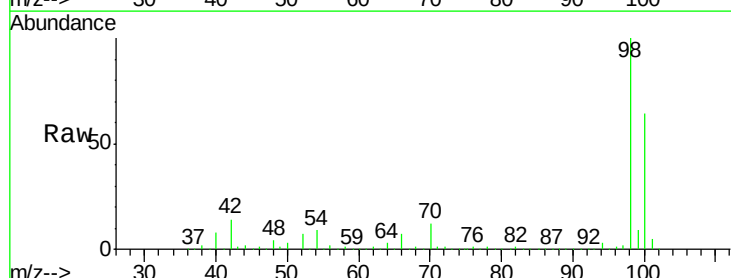
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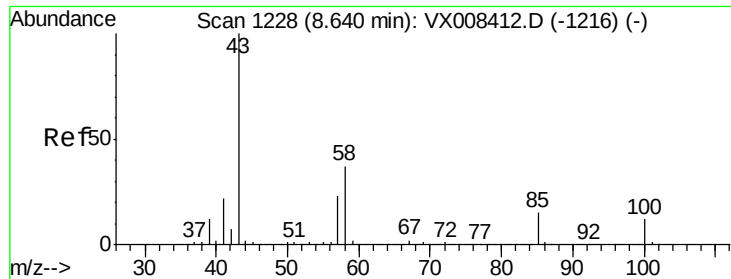
MMDadoda
3/26/2019 9:46:35 AM



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 253.442 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1191340

Ion Ratio Lower Upper

43 100

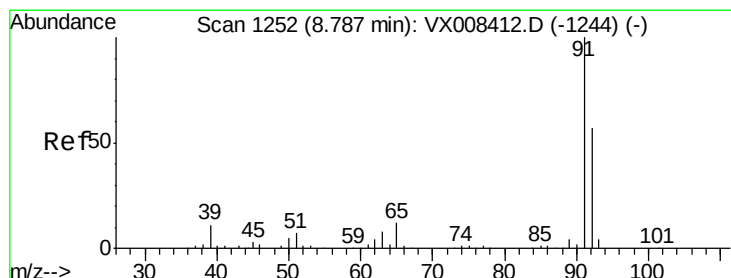
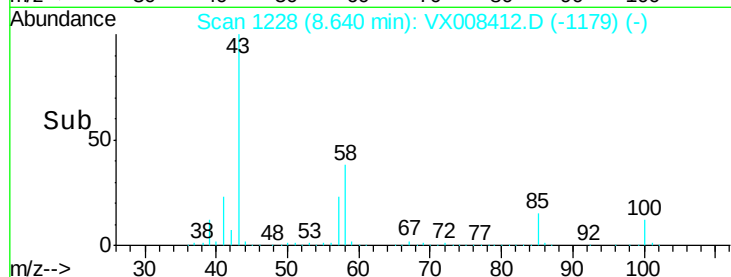
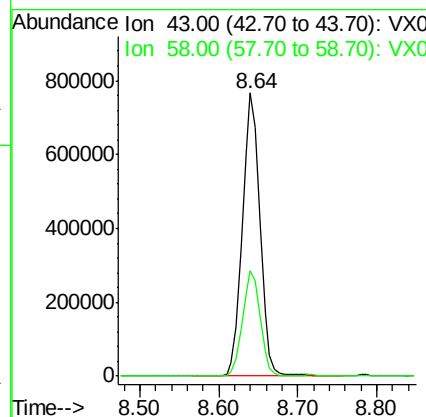
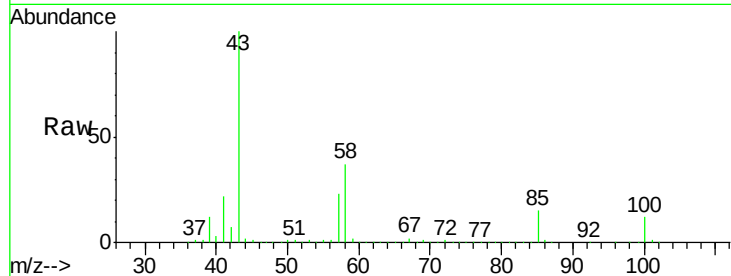
58 37.3 29.8 44.8

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3/26/2019 9:46:35 AM



#52

Toluene

Concen: 50.354 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008412.D

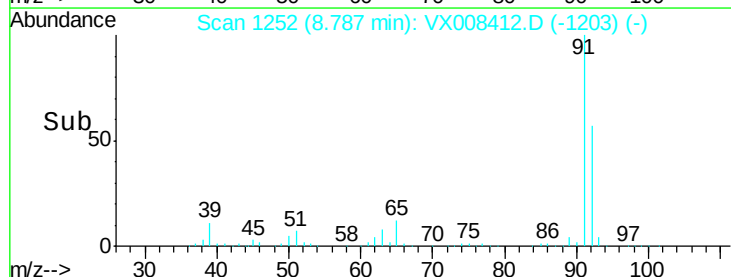
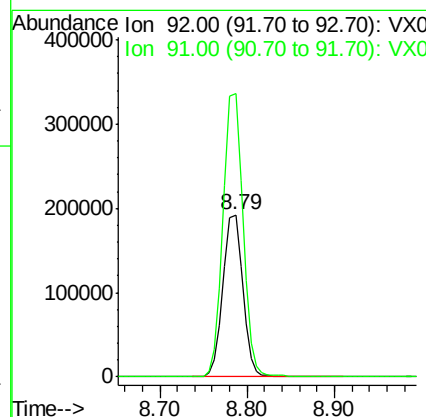
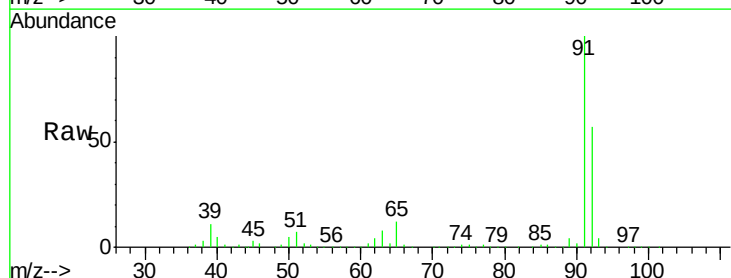
Acq: 25 Mar 2019 14:54

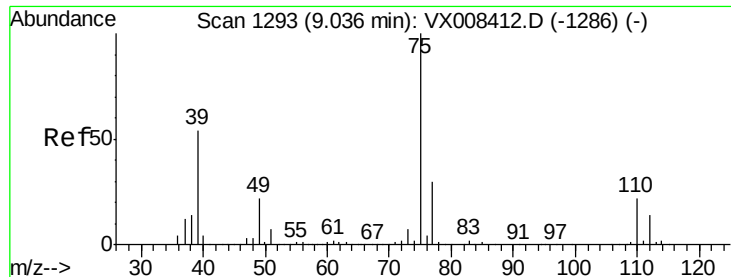
Tgt Ion: 92 Resp: 305997

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4





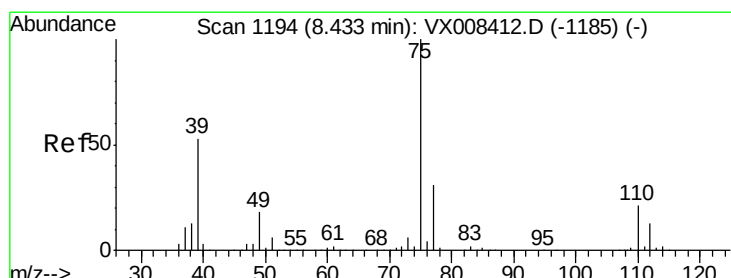
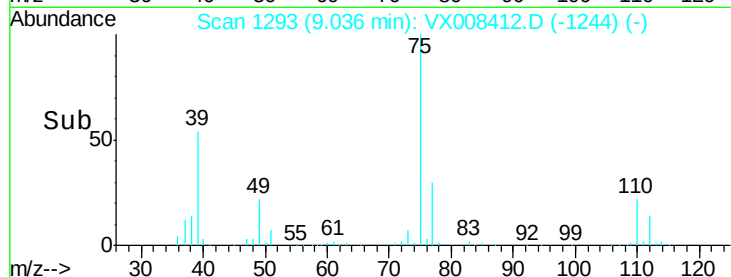
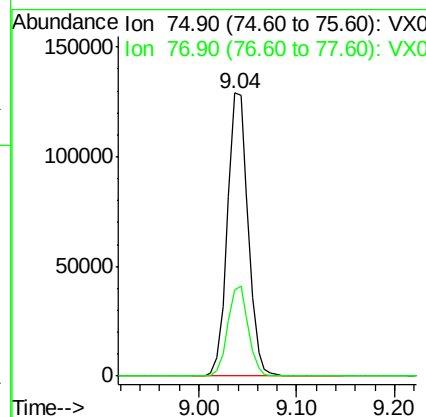
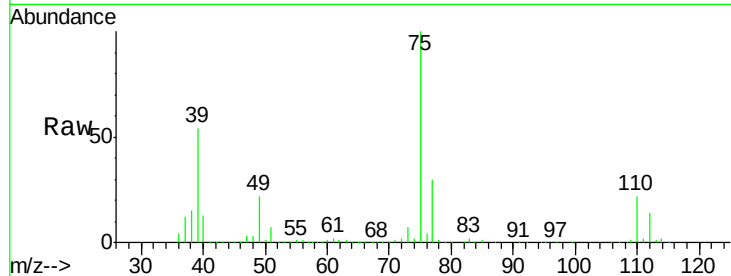
#53
t-1,3-Dichloropropene
Concen: 53.063 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5

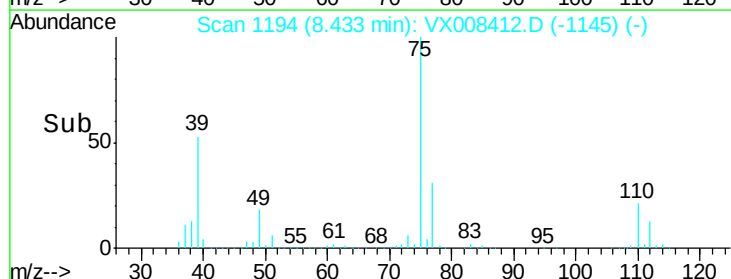
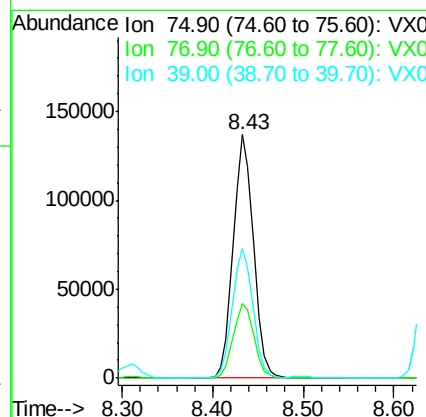
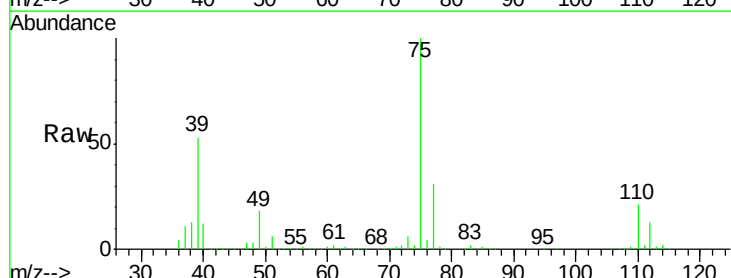
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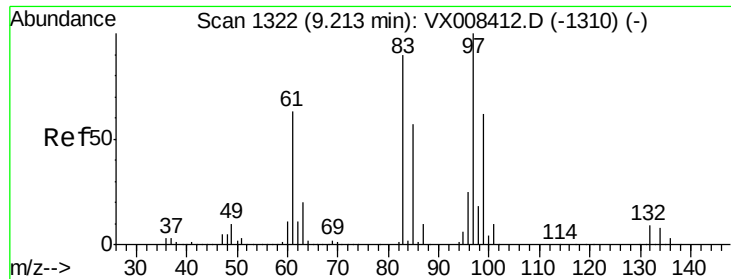
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3/26/2019 9:46:35 AM



#54
cis-1,3-Dichloropropene
Concen: 52.570 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	53.0	42.4	63.6





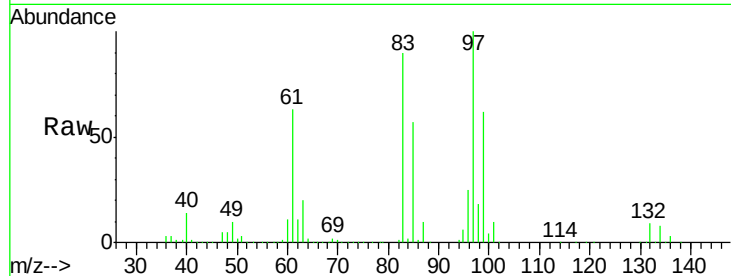
#55
 1,1,2-Trichloroethane
 Concen: 49.666 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

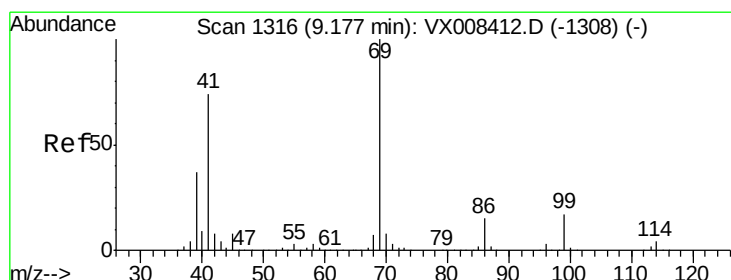
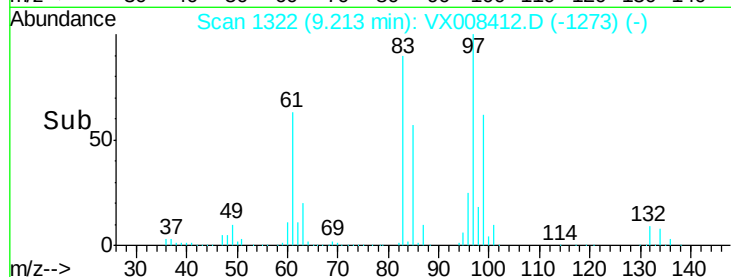
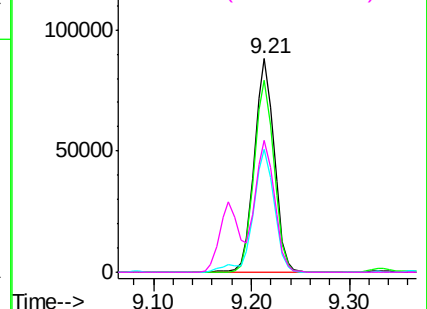
Tot Ion:	97	Resp:	125353
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.8	107.6
85	57.4	45.9	68.9
99	61.7	49.4	74.0

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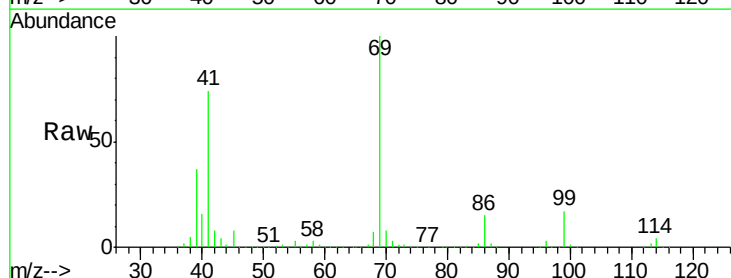


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

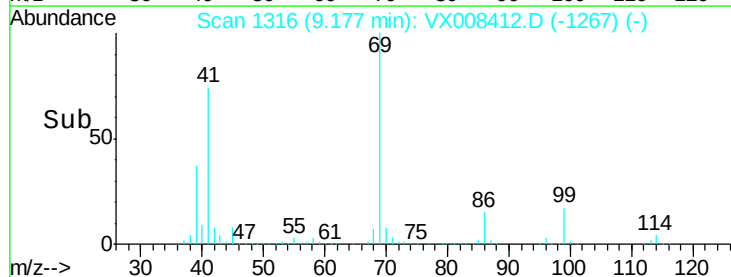
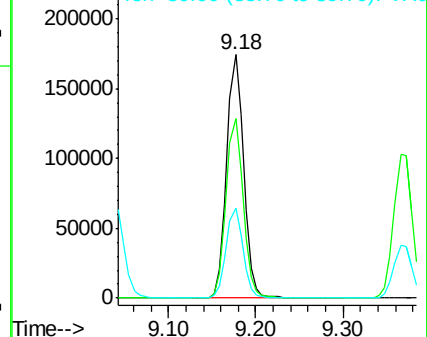


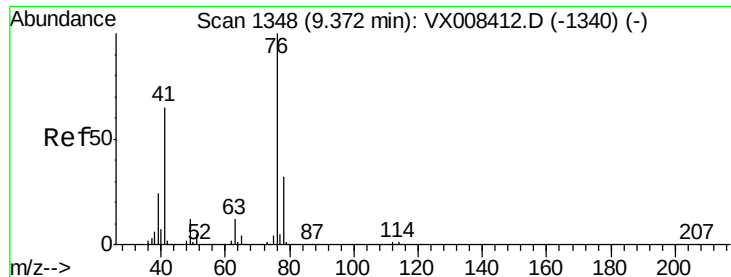
#56
 Ethyl methacrylate
 Concen: 52.473 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion:	69	Resp:	234796
Ion	Ratio	Lower	Upper
69	100		
41	74.4	59.5	89.3
39	36.6	29.3	43.9



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





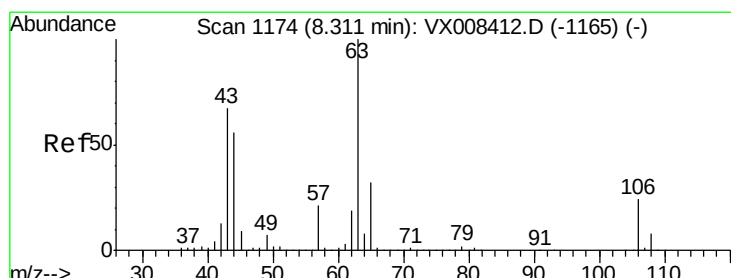
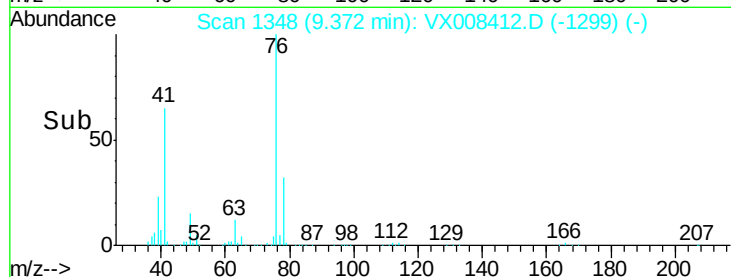
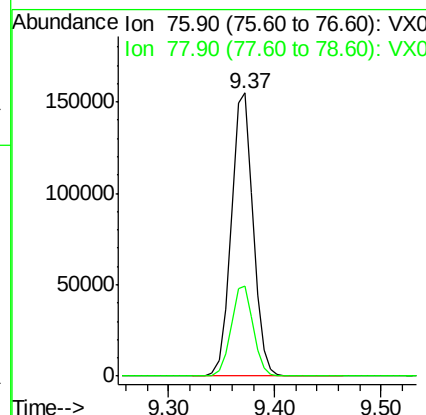
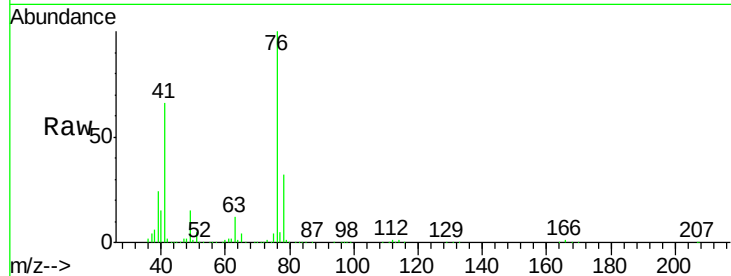
#57
 1,3-Dichloropropane
 Concen: 49.673 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

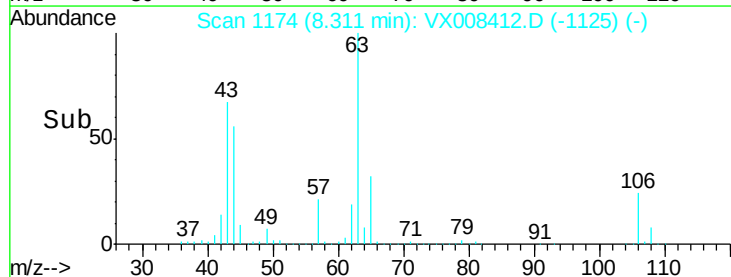
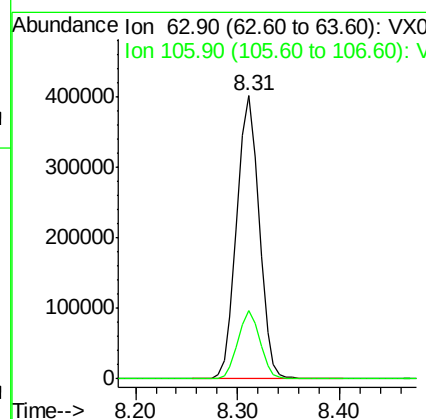
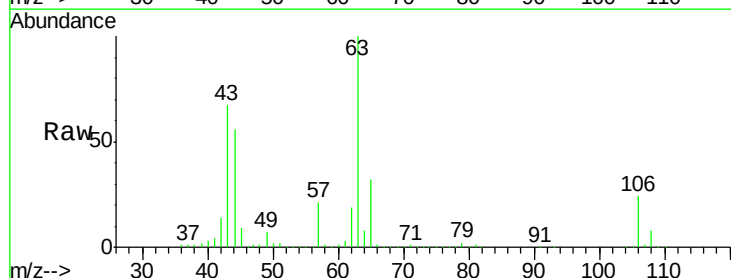
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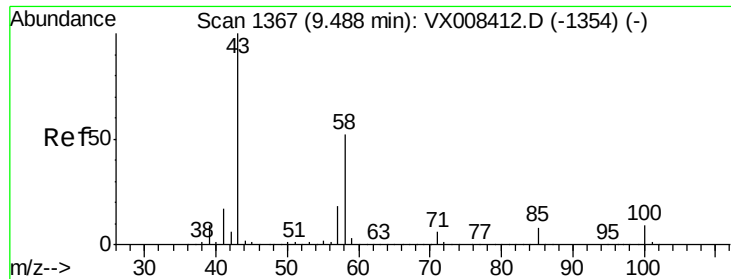
MMDadoda
 3/26/2019 9:46:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.869 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.8	19.0	28.6





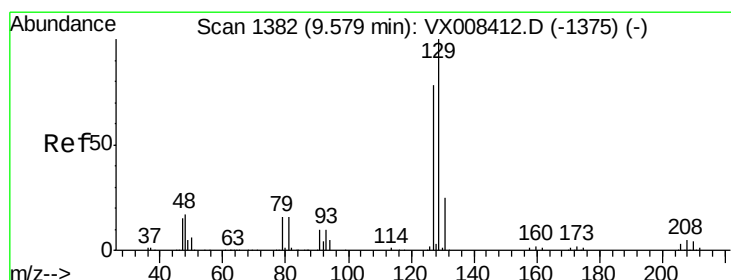
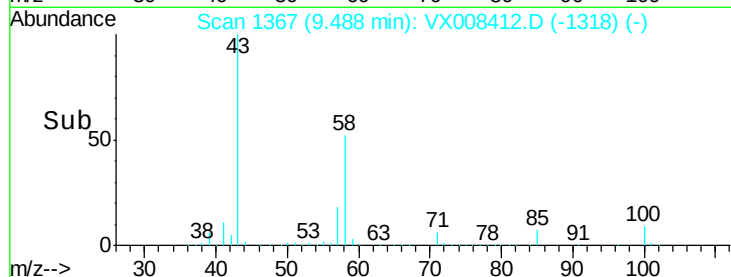
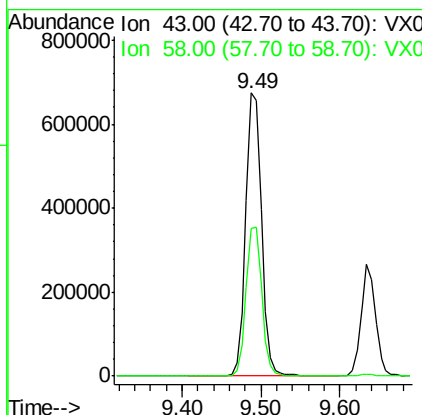
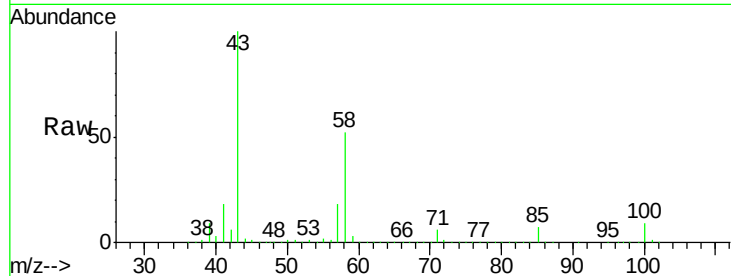
#59
2-Hexanone
Concen: 259.571 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.3	78.9

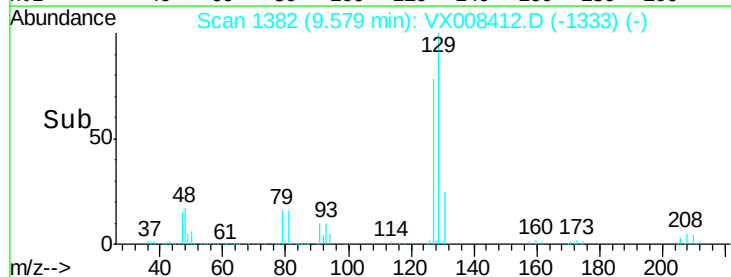
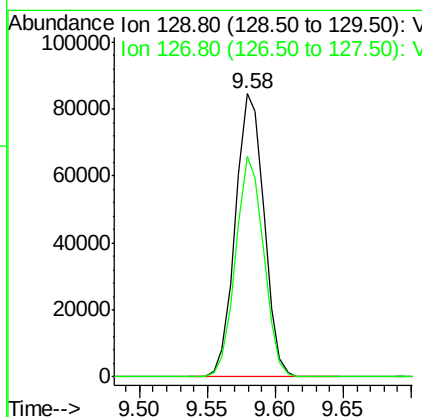
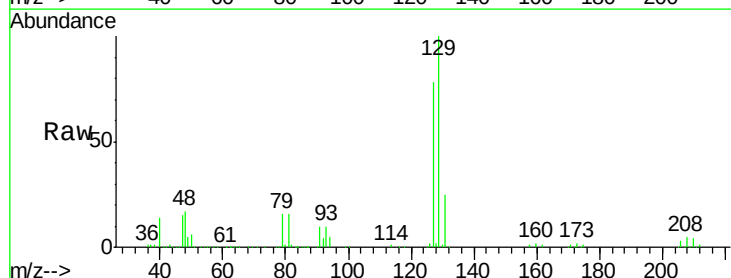
Manual Integrations
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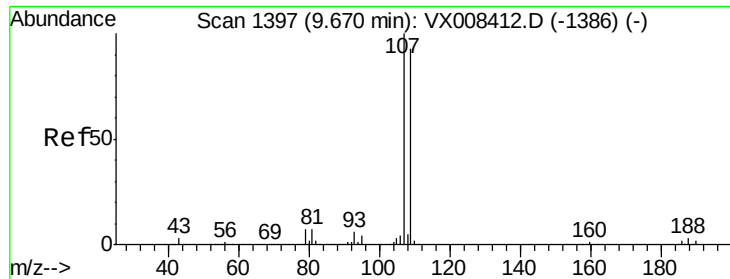
MMDadoda
3/26/2019 9:46:35 AM



#60
Dibromochloromethane
Concen: 52.975 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3





#61

1,2-Dibromoethane

Concen: 50.609 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 129488

Ion Ratio Lower Upper

107 100

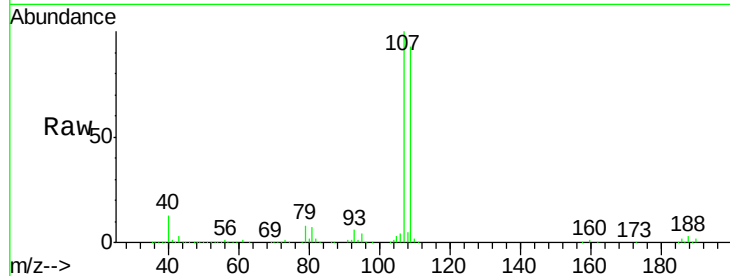
109 93.2 74.6 111.8

Manual Integrations

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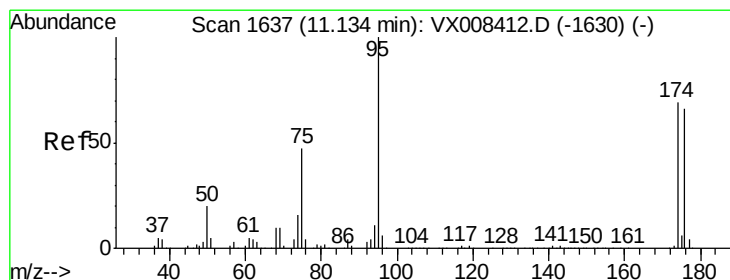
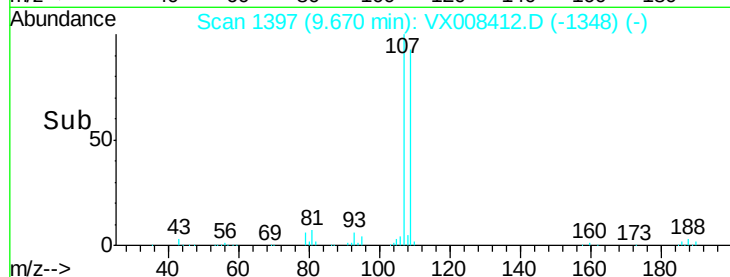
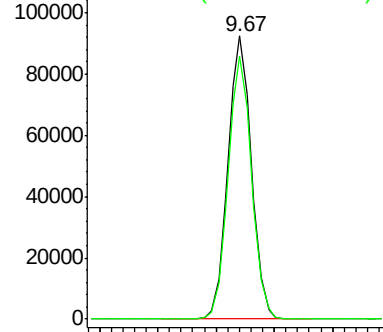
MMDadoda

3/26/2019 9:46:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.179 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

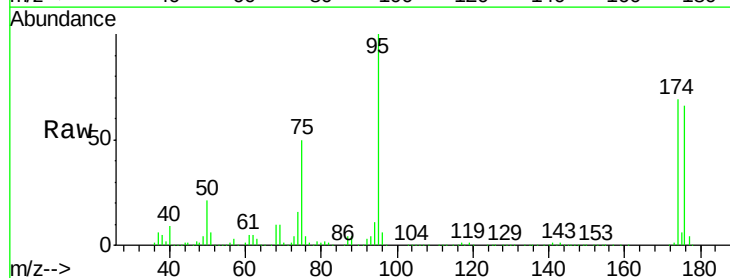
Tgt Ion: 95 Resp: 161603

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.2

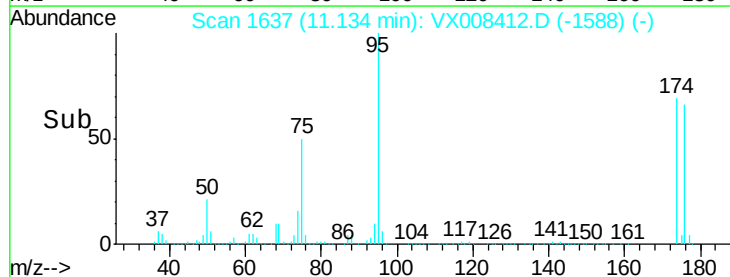
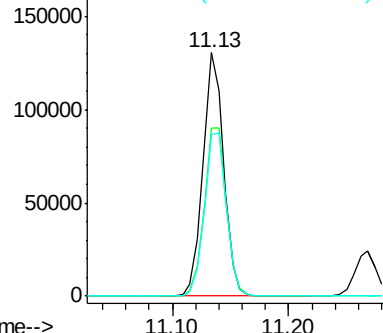
176 71.2 0.0 142.4

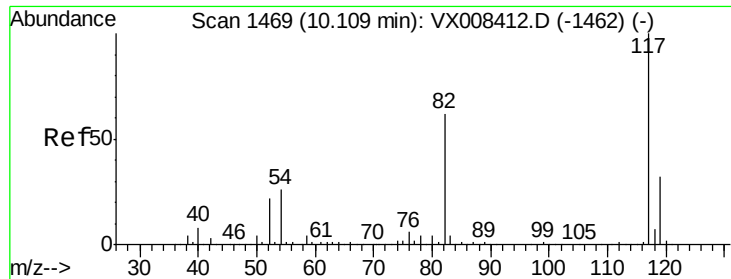


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





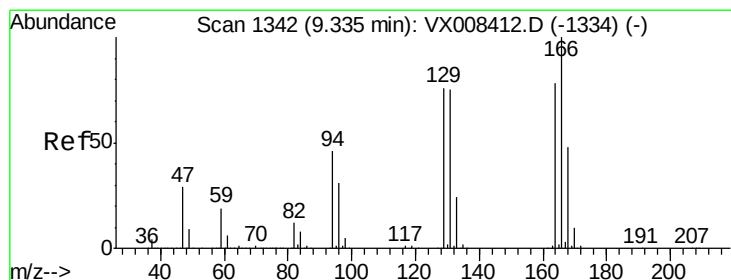
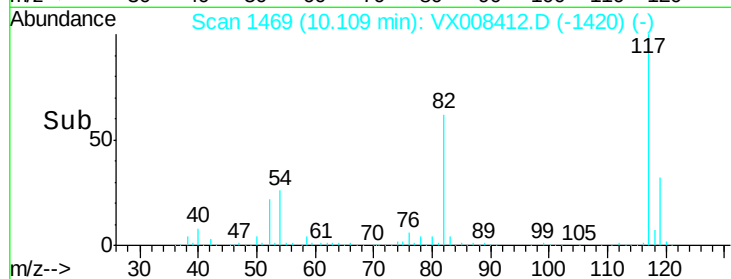
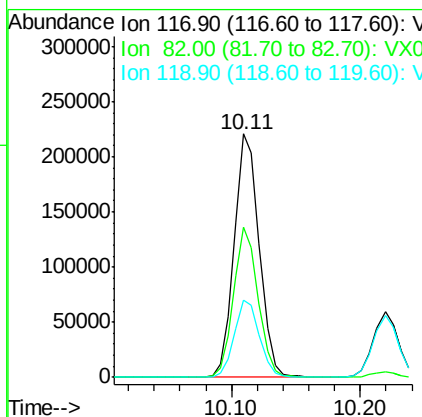
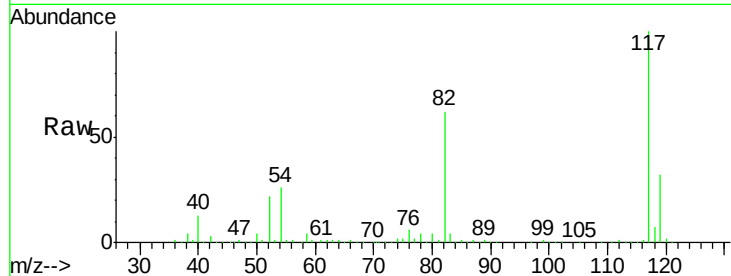
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.4	74.2
119	31.7	25.4	38.0

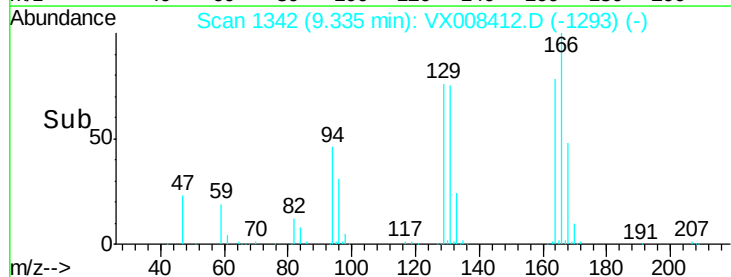
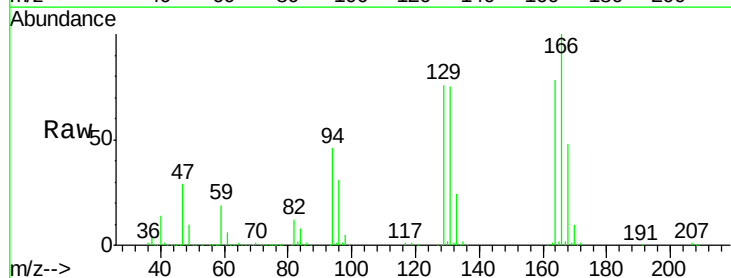
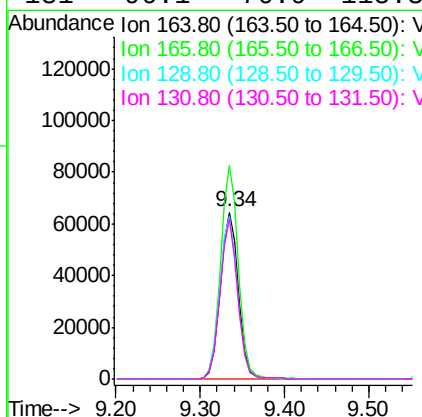
Manual Integrations
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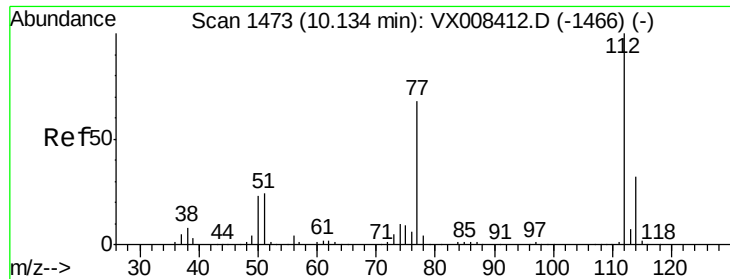
MMDadoda
3/26/2019 9:46:35 AM



#64
Tetrachloroethene
Concen: 48.803 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	97.3	77.8	116.8
131	96.1	76.9	115.3





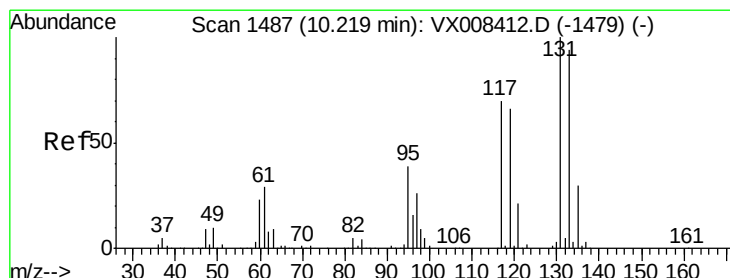
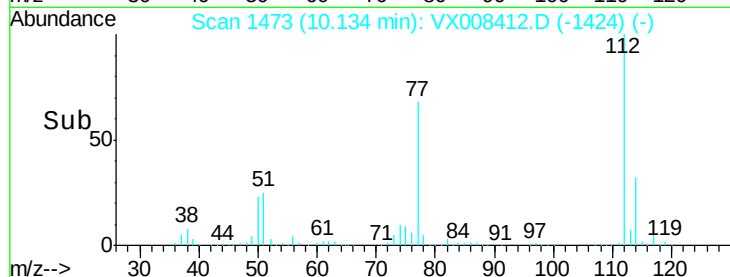
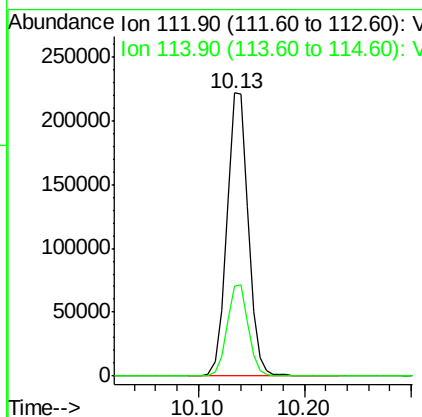
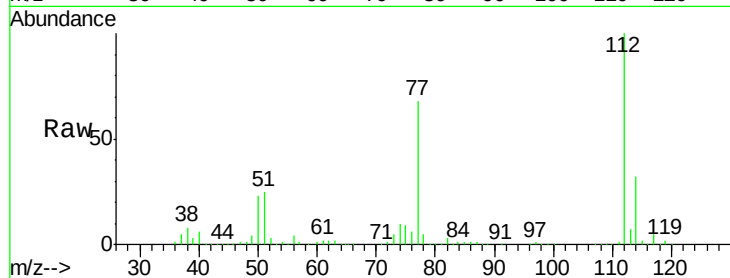
#65
Chlorobenzene
Concen: 49.576 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 312668
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

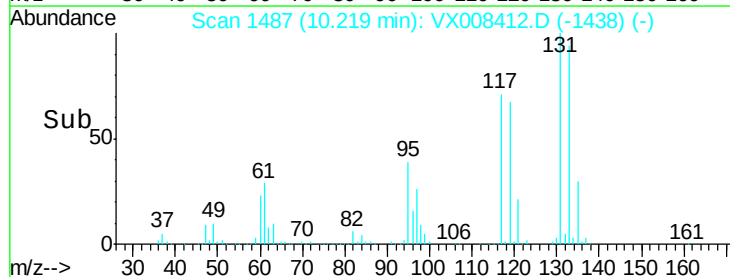
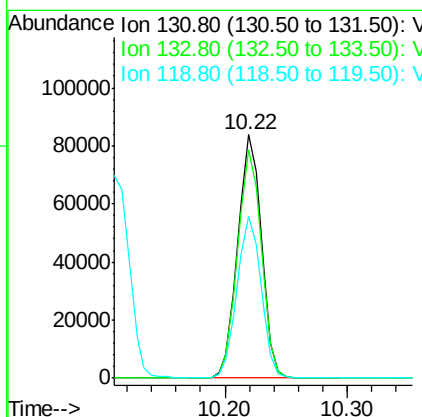
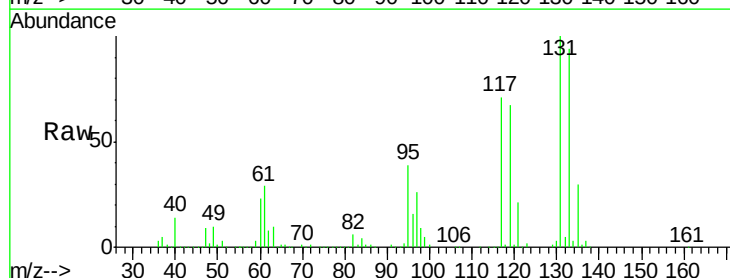
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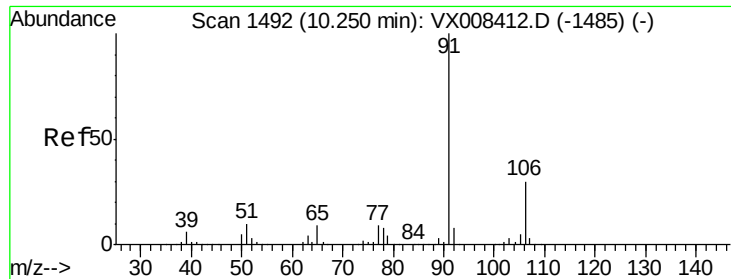
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.219 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion:131 Resp: 112094
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 50.579 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 598514

Ion Ratio Lower Upper

91 100

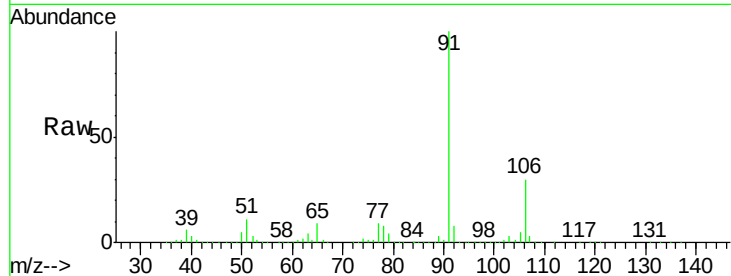
106 30.0 24.0 36.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX008412.D (-1485) (-)

600000

400000

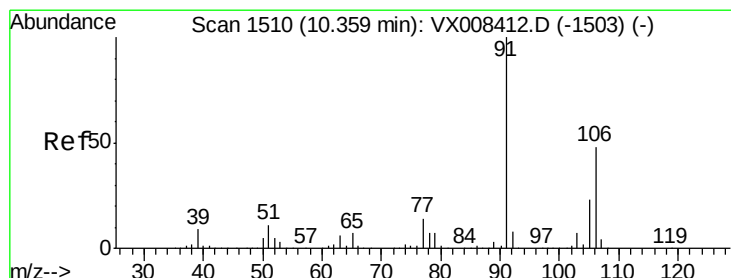
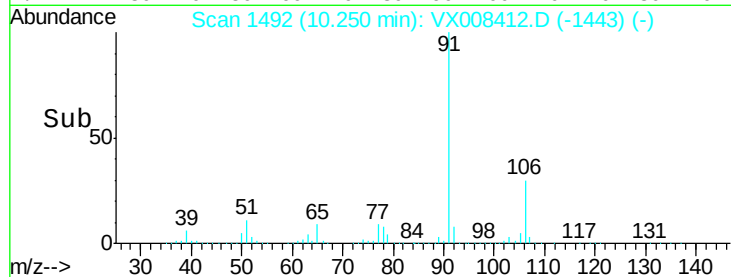
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 102.068 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008412.D

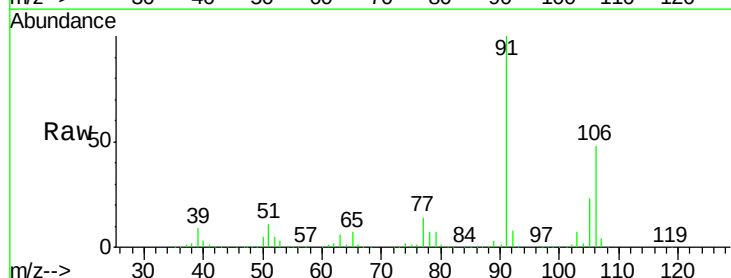
Acq: 25 Mar 2019 14:54

Tgt Ion: 106 Resp: 433935

Ion Ratio Lower Upper

106 100

91 210.8 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): VX008412.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX008412.D (-1503) (-)

600000

400000

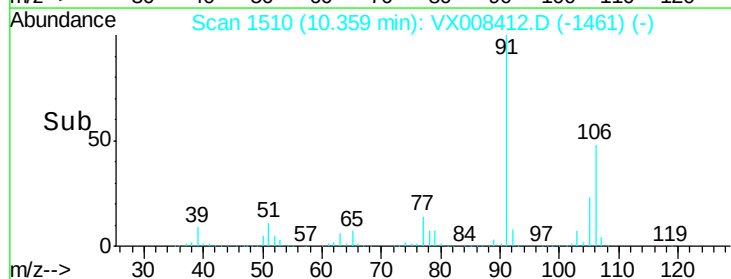
200000

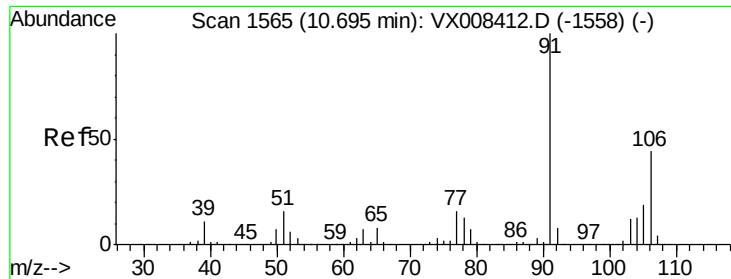
0

10.30

10.40

Time-->





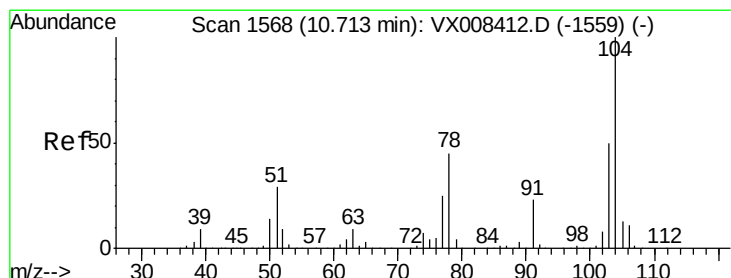
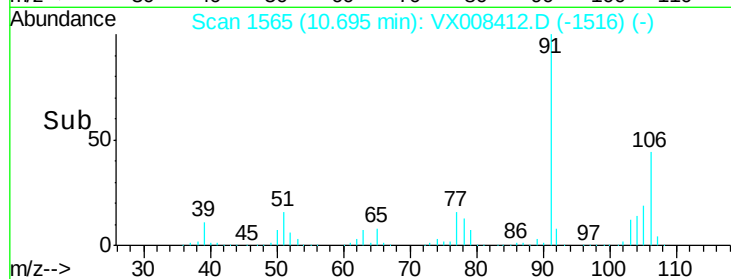
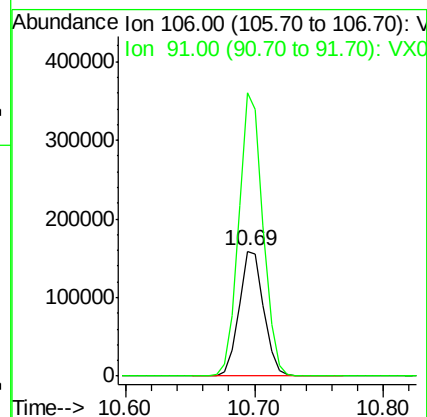
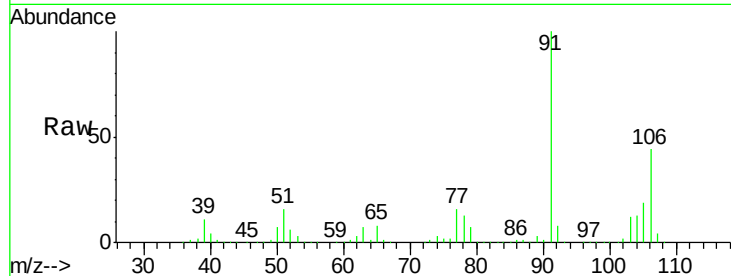
#69
o-Xylene
Concen: 50.906 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 211641
Ion Ratio Lower Upper
106 100
91 222.8 111.4 334.2

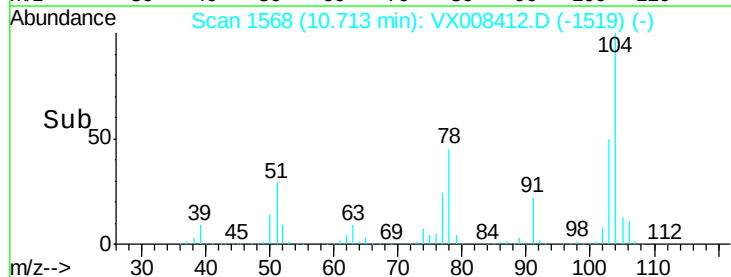
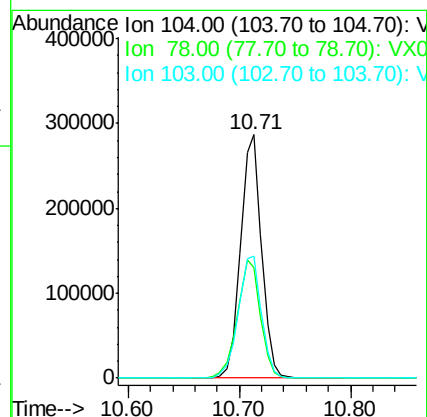
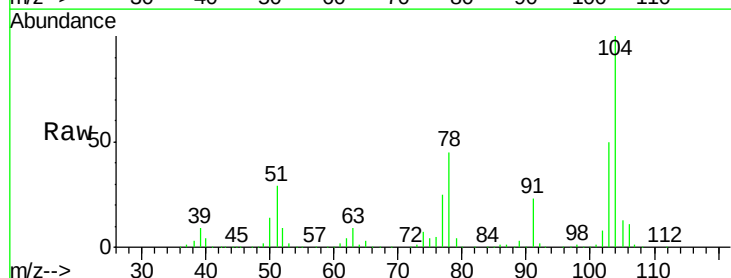
Manual Integrations
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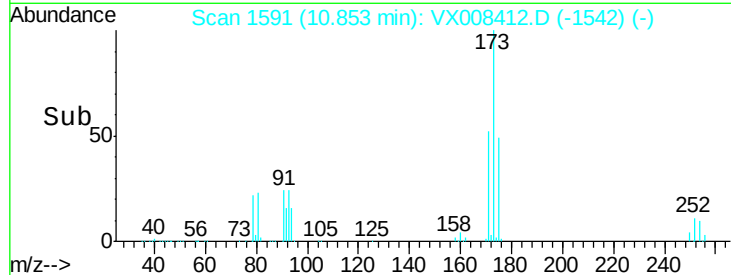
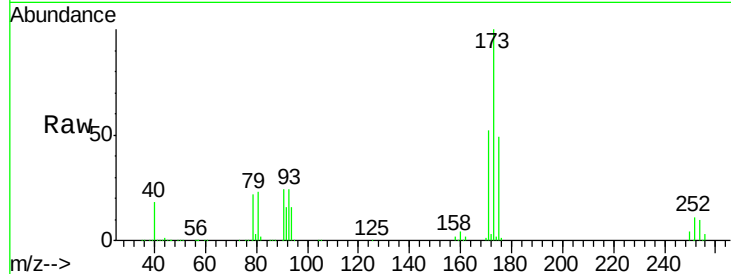
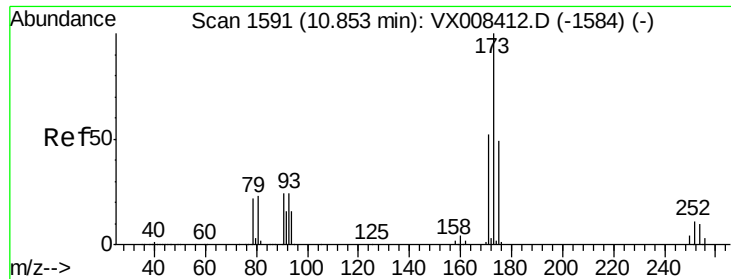
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3/26/2019 9:46:35 AM



#70
Styrene
Concen: 51.678 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion:104 Resp: 372717
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 55.3 44.2 66.4





#71

Bromoform

Concen: 53.848 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tot Ion:	173	Resp:	91358
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	72.8
254	0.2	0.2	0.2

Instrument :

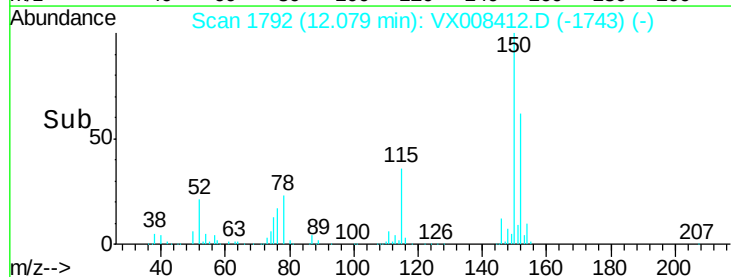
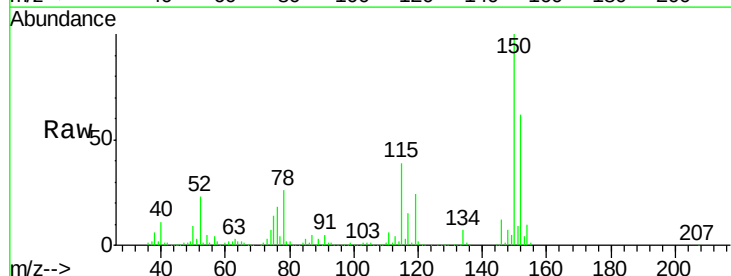
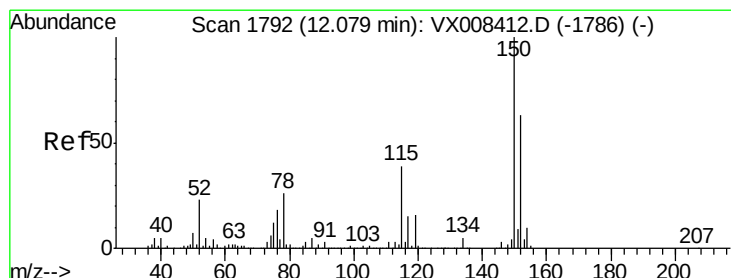
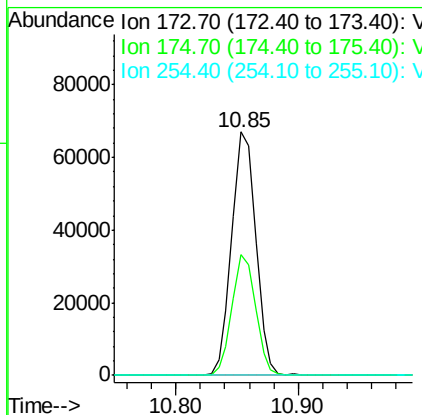
MSVOA_X

ClientSampleId :

VSTDICCC050

Manual Integrations
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MMDadoda
3/26/2019 9:46:35 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

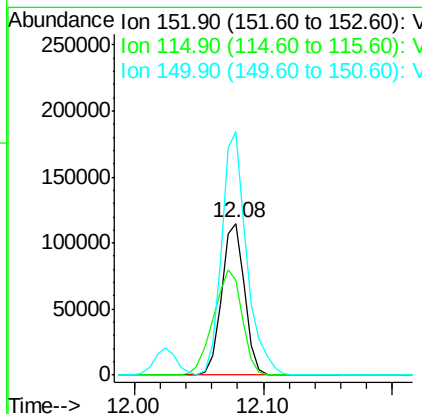
RT: 12.08 min Scan# 1792

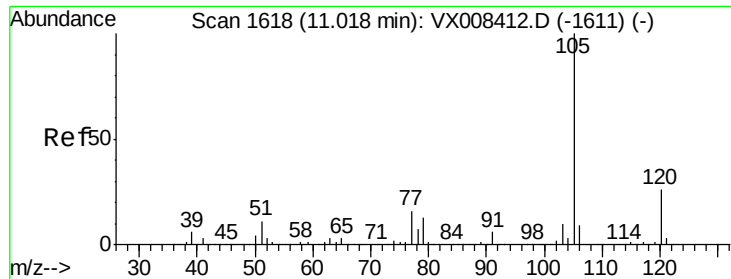
Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion:	152	Resp:	143732
Ion Ratio	Lower	Upper	
152	100		
115	87.0	43.5	130.5
150	174.4	0.0	348.8





#73

Isopropylbenzene

Concen: 49.315 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 559484

Ion Ratio Lower Upper

105 100

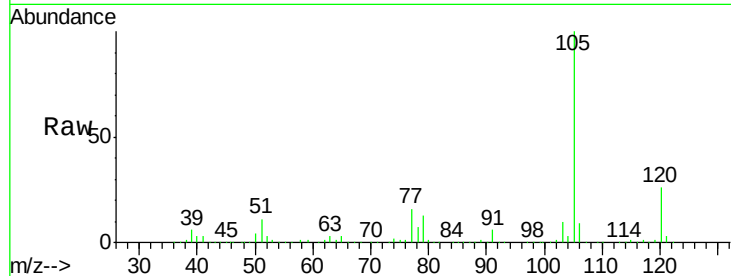
120 25.8 12.9 38.7

Manual Integrations

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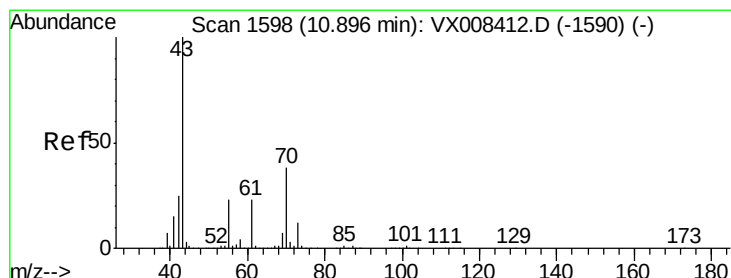
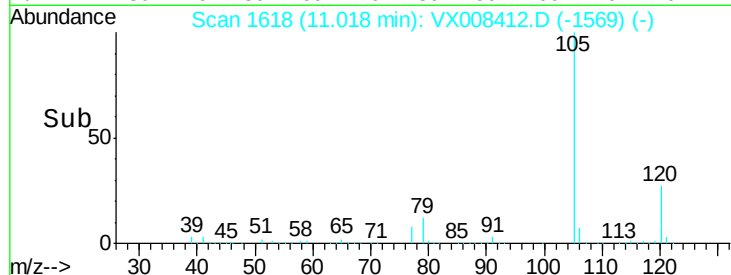
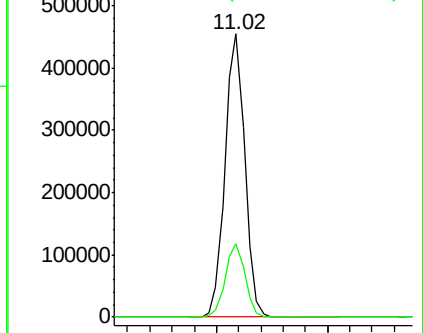
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.089 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion: 43 Resp: 345986

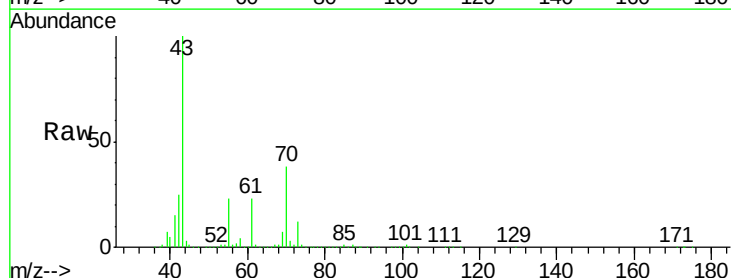
Ion Ratio Lower Upper

43 100

70 38.1 30.5 45.7

55 22.7 18.2 27.2

61 23.0 18.4 27.6

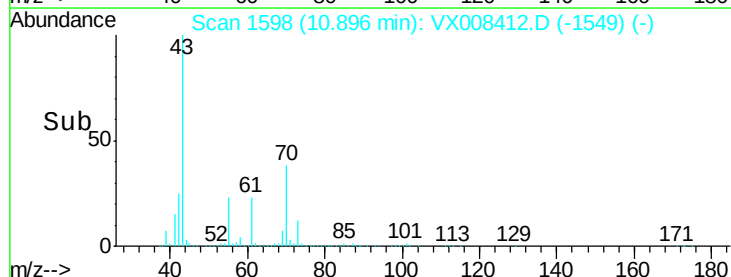
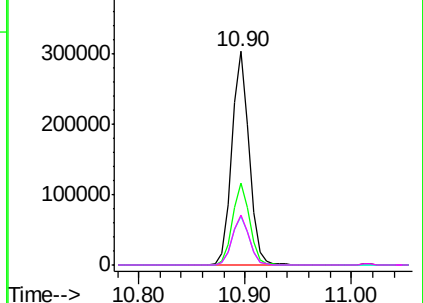


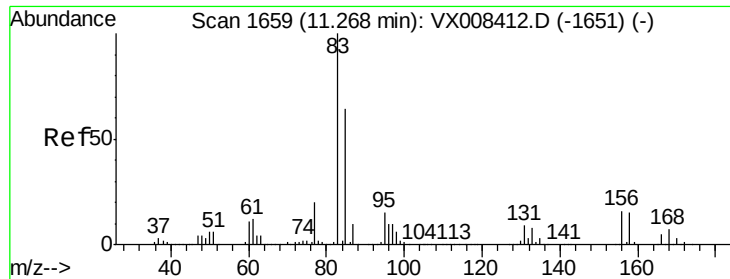
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.172 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

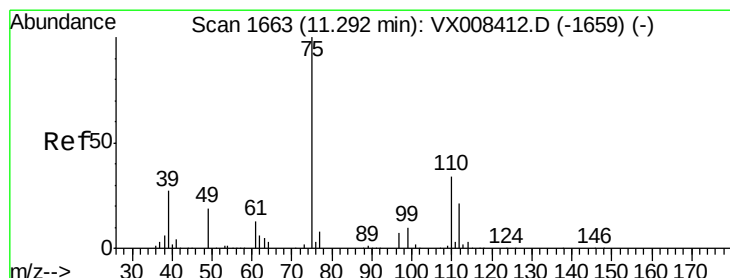
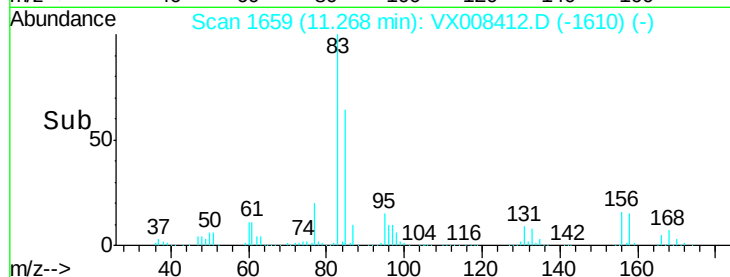
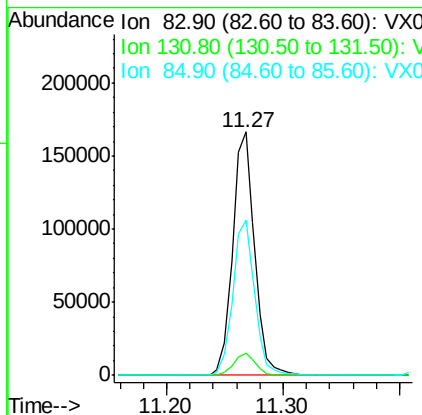
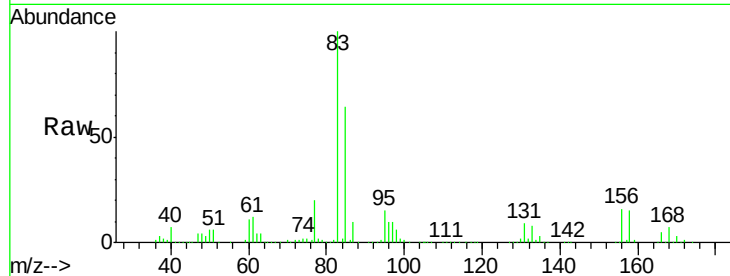
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	217174
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.182 ug/l m

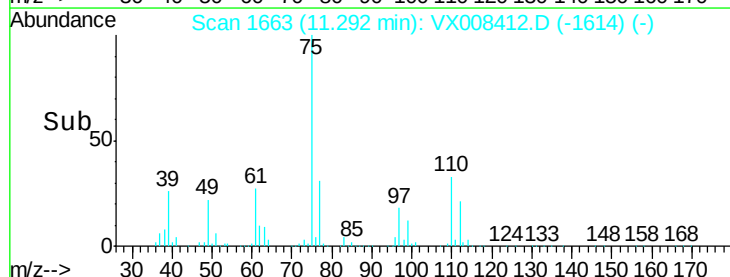
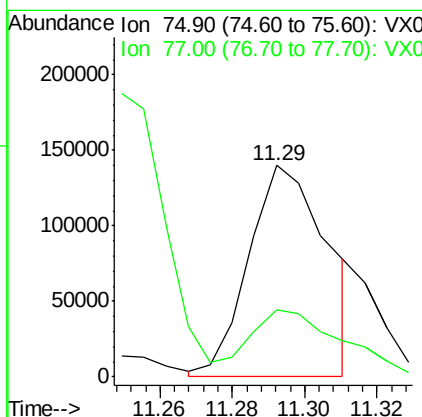
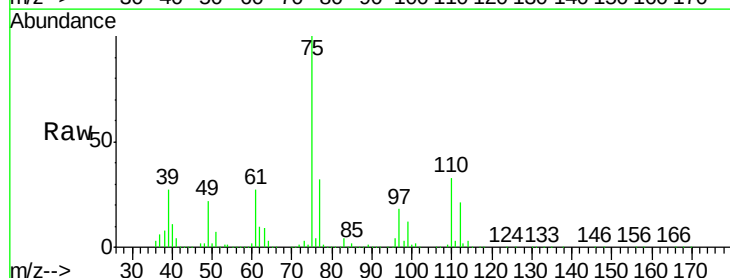
RT: 11.29 min Scan# 1663

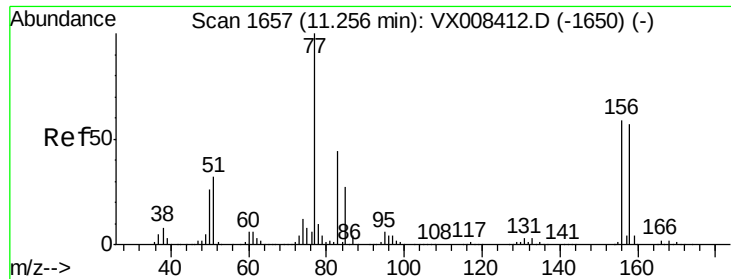
Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion:	75	Resp:	211475
Ion Ratio	Lower	Upper	
75	100		
77	37.9	21.9	65.7





#77

Bromobenzene

Concen: 49.794 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

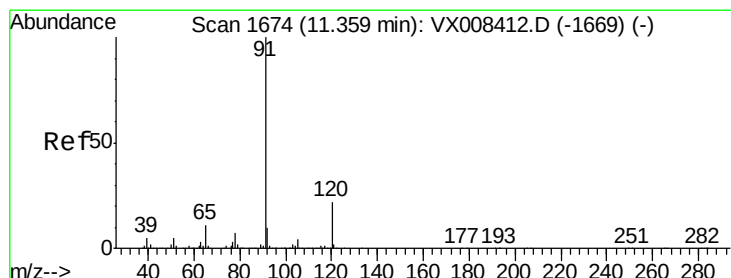
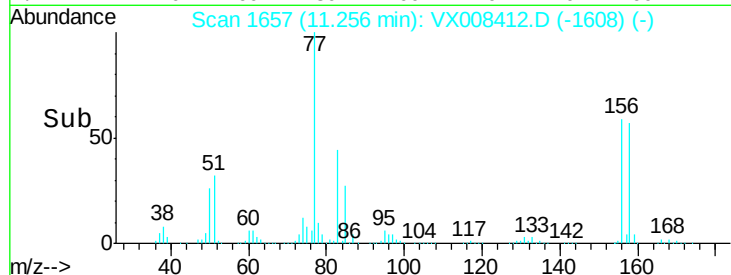
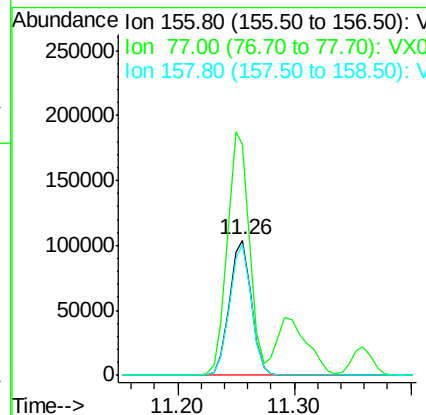
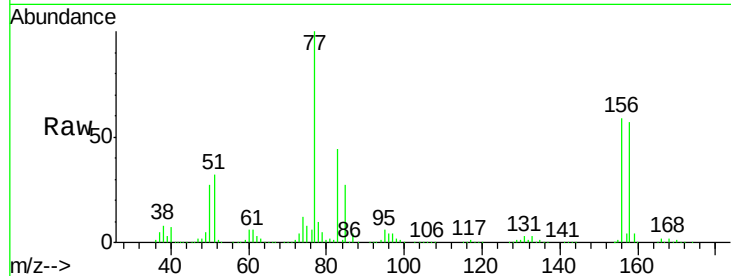
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.2	91.1	273.3
158	96.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.939 ug/l

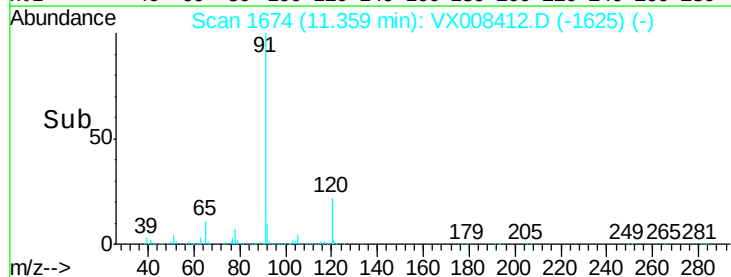
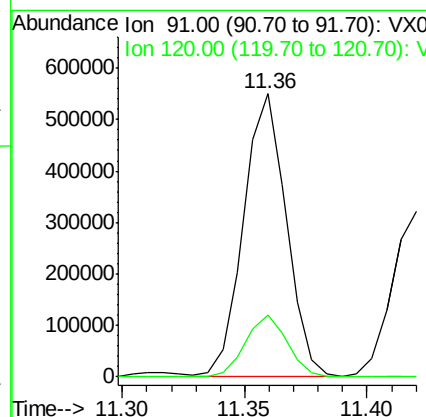
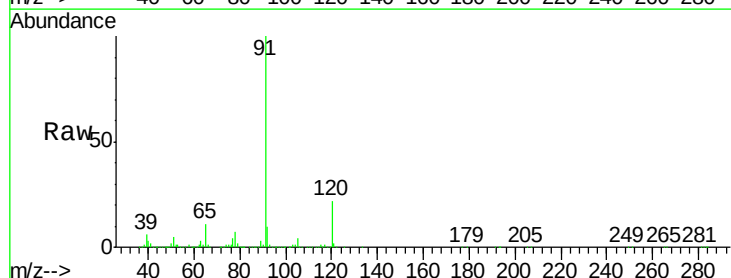
RT: 11.36 min Scan# 1674

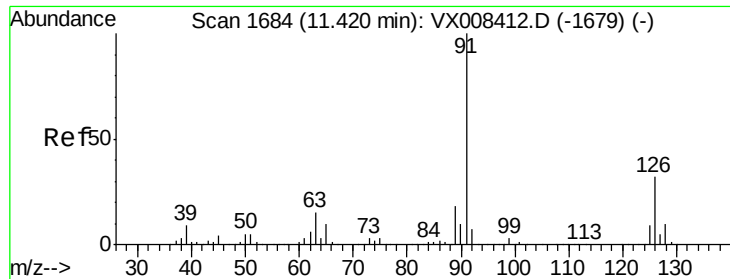
Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79

2-Chlorotoluene

Concen: 49.101 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 398610

Ion Ratio Lower Upper

91 100

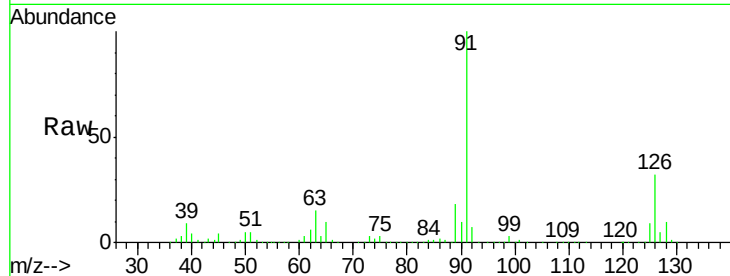
126 31.4 15.7 47.1

Manual Integrations

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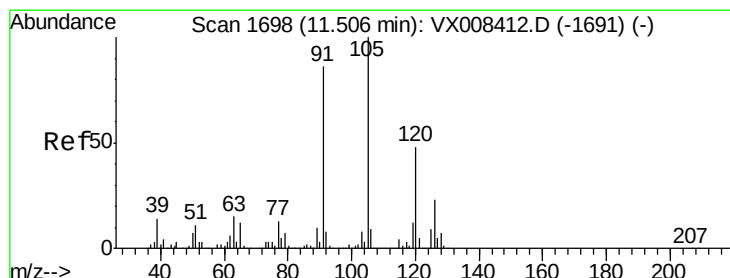
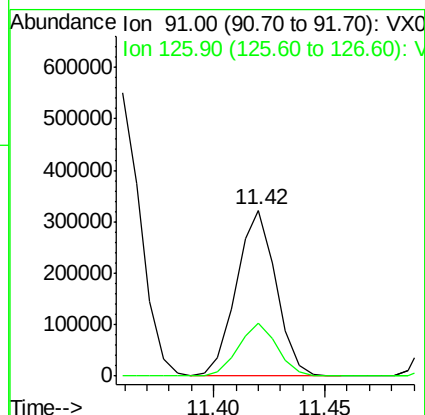
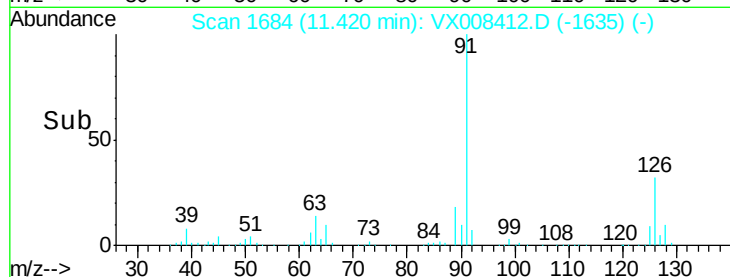
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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 49.480 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008412.D

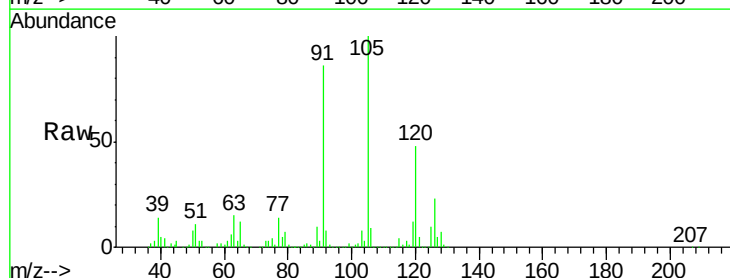
Acq: 25 Mar 2019 14:54

Tgt Ion: 105 Resp: 477698

Ion Ratio Lower Upper

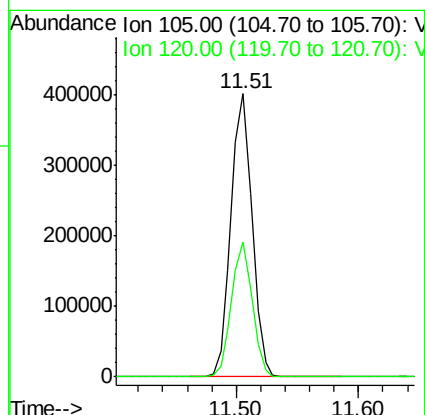
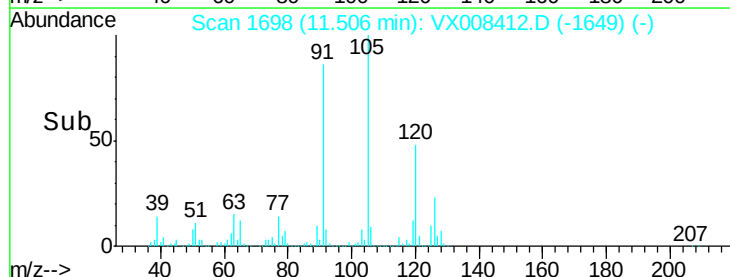
105 100

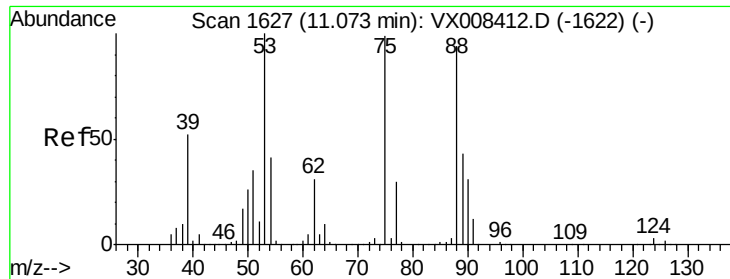
120 46.9 23.4 70.3



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: 53.736 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 70783

Ion Ratio Lower Upper

75 100

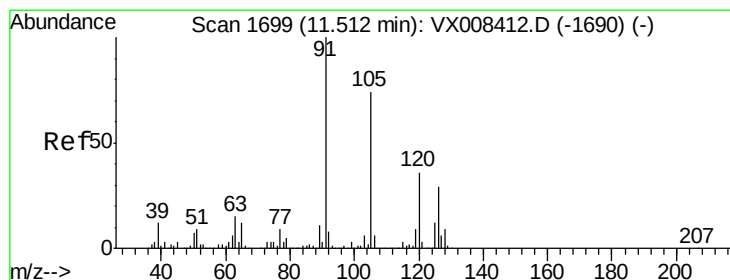
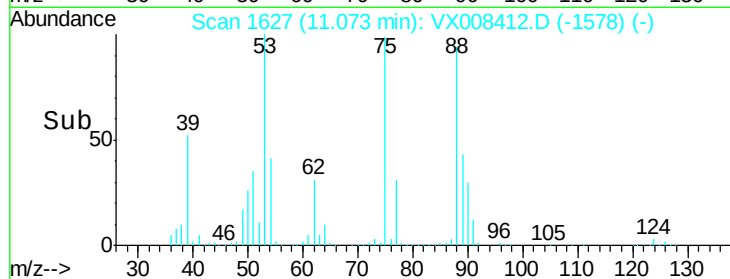
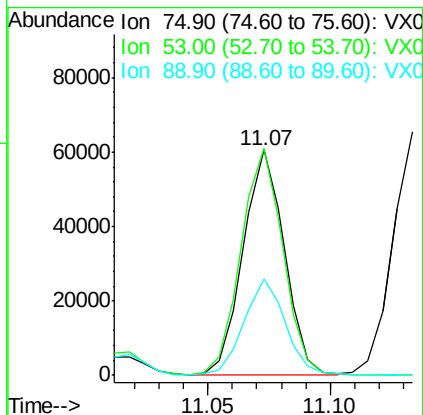
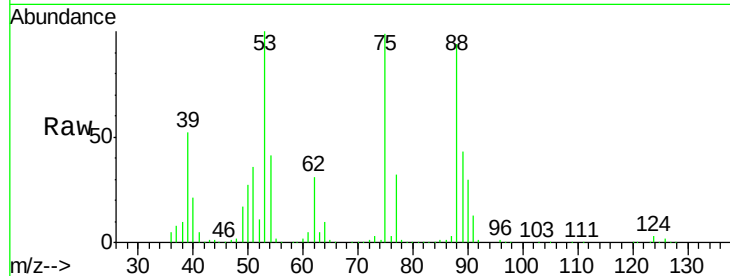
53 102.6 82.1 123.1

89 43.3 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.120 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008412.D

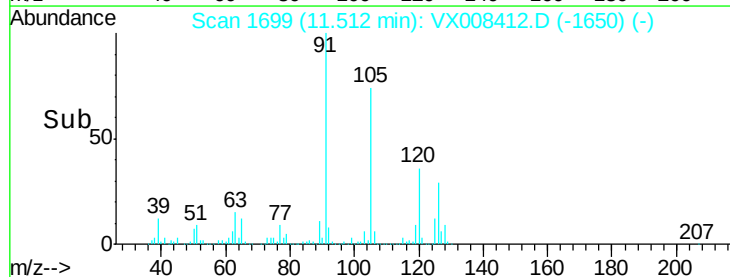
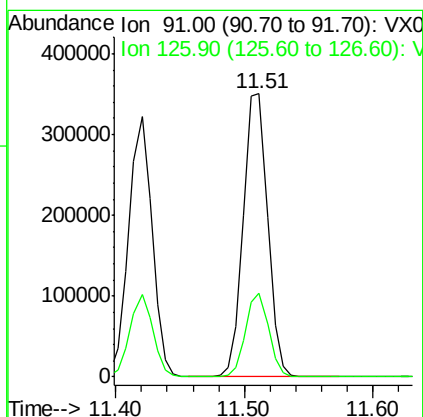
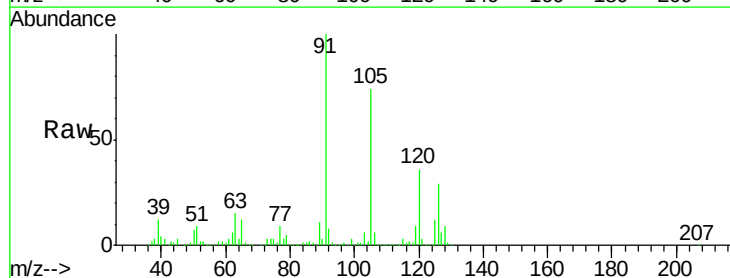
Acq: 25 Mar 2019 14:54

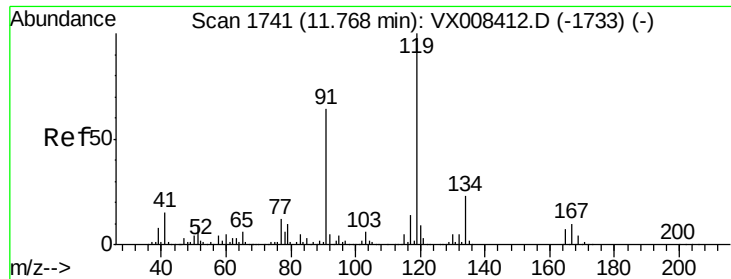
Tgt Ion: 91 Resp: 458666

Ion Ratio Lower Upper

91 100

126 27.8 13.9 41.7





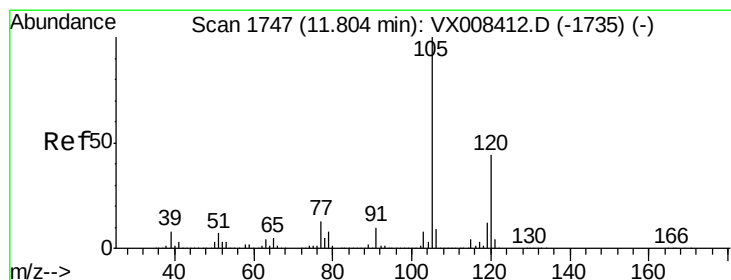
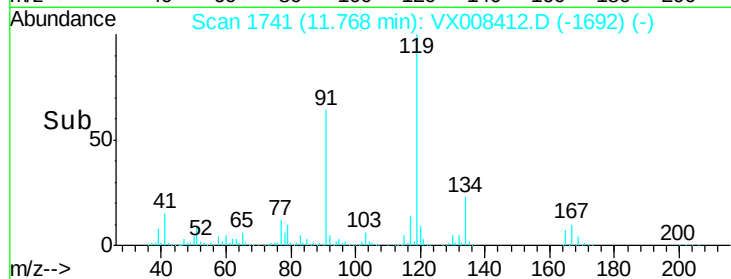
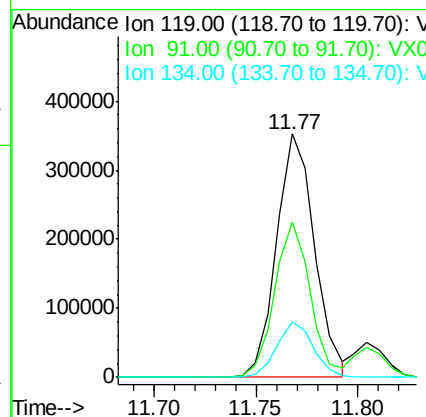
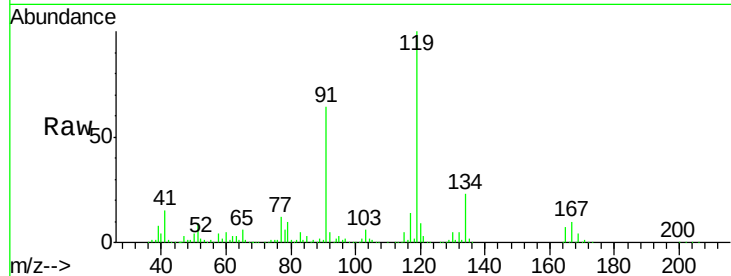
#83
 tert-Butylbenzene
 Concen: 49.951 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.1	90.3
134	21.9	10.9	32.9

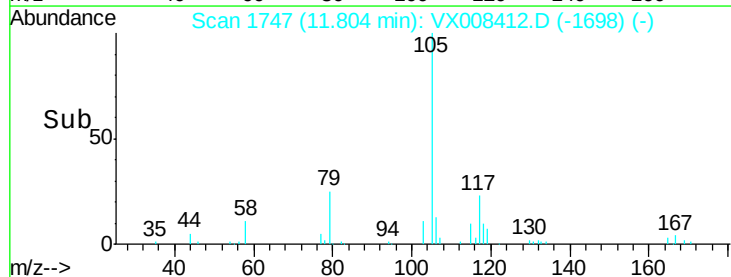
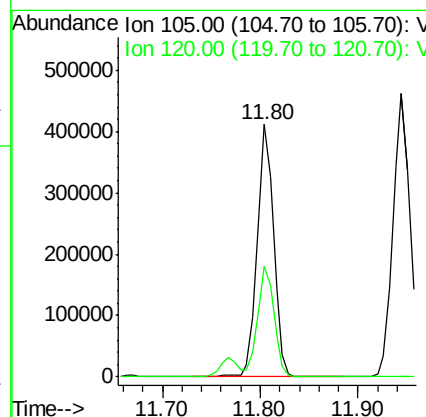
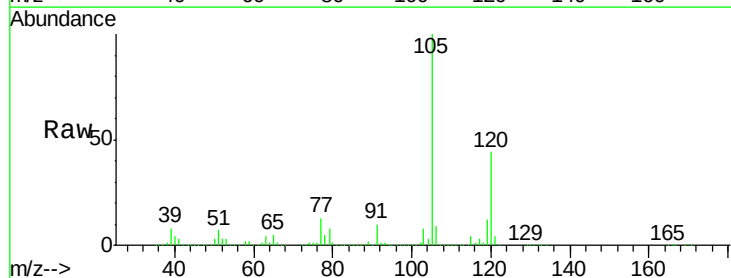
Manual Integrations
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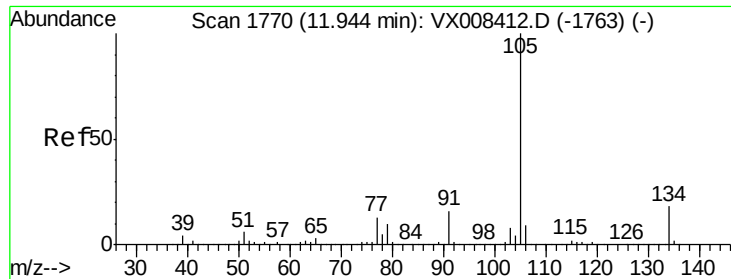
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.045 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.6	65.0





#85

sec-Butylbenzene

Concen: 49.972 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 551183

Ion Ratio Lower Upper

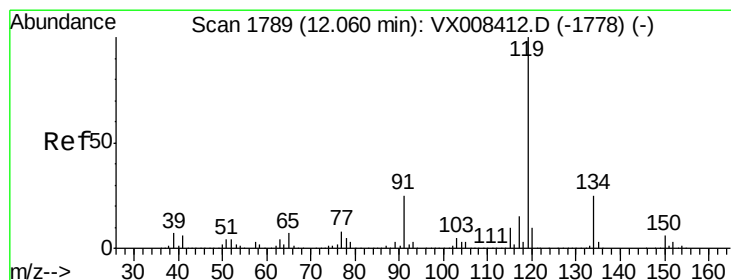
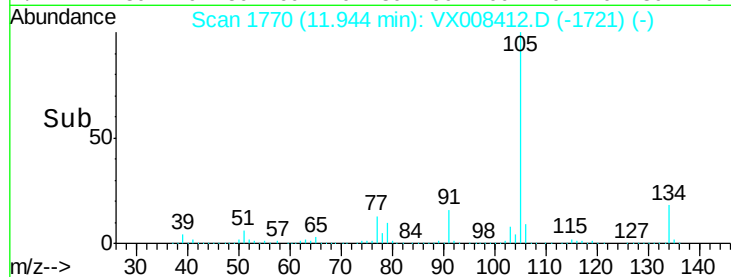
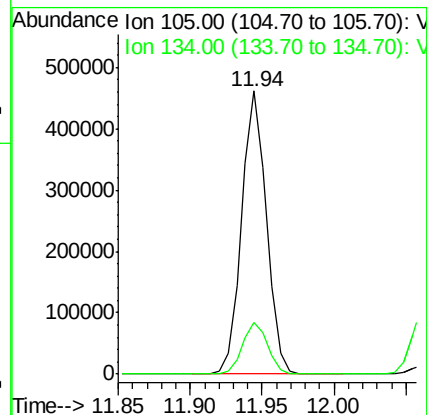
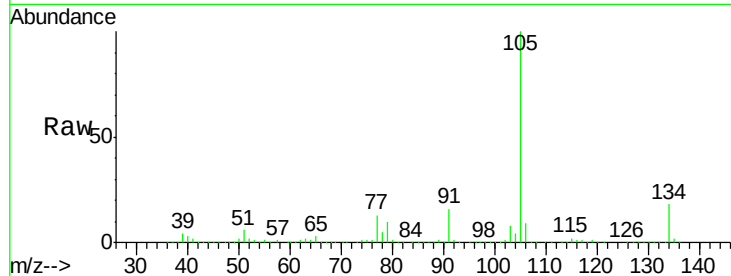
105 100

134 18.7 9.3 28.0

Manual Integrations
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3/26/2019 9:46:35 AM



#86

p-Isopropyltoluene

Concen: 50.902 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

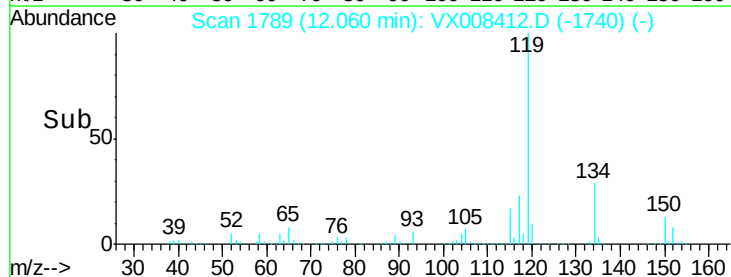
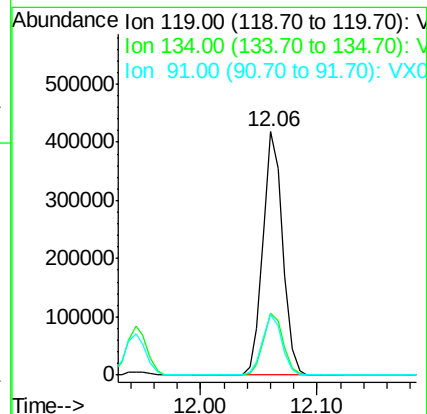
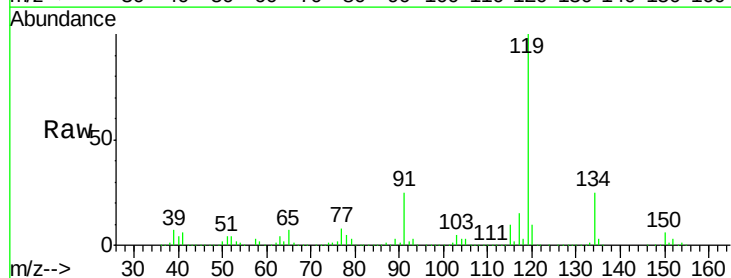
Tgt Ion:119 Resp: 494834

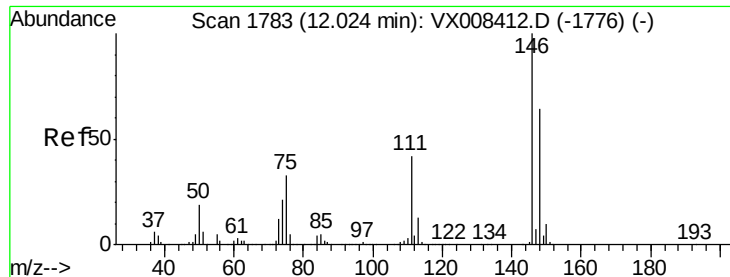
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.7 12.4 37.0





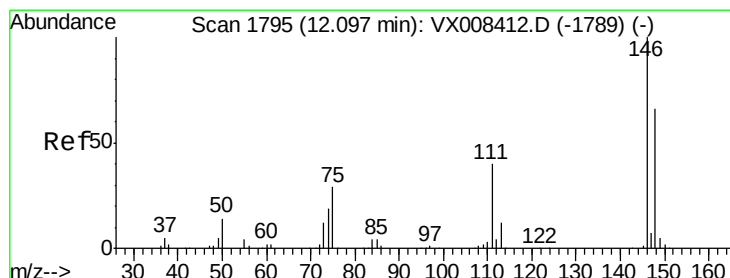
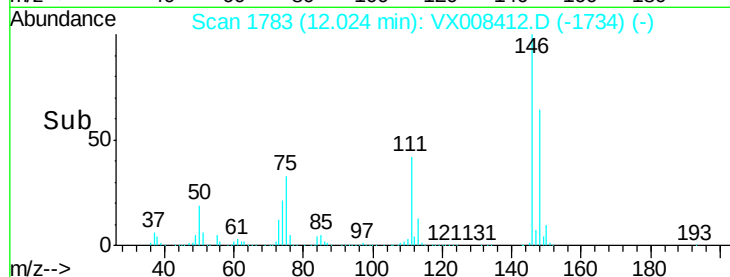
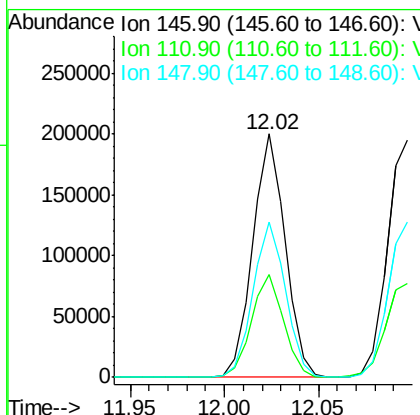
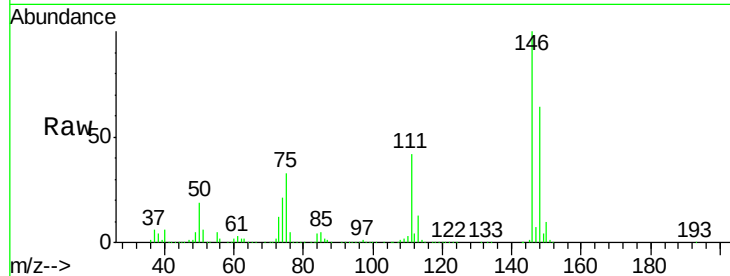
#87
 1,3-Dichlorobenzene
 Concen: 49.329 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	64.0	32.0	96.0

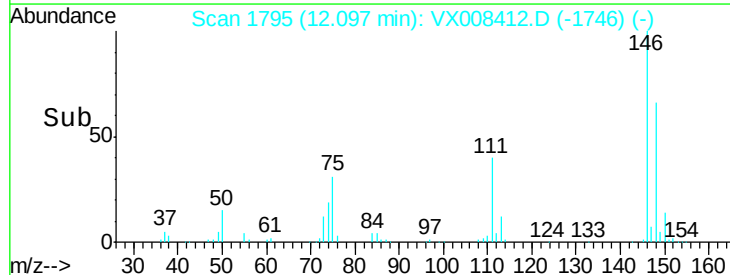
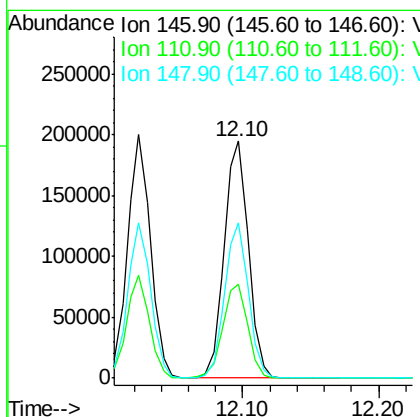
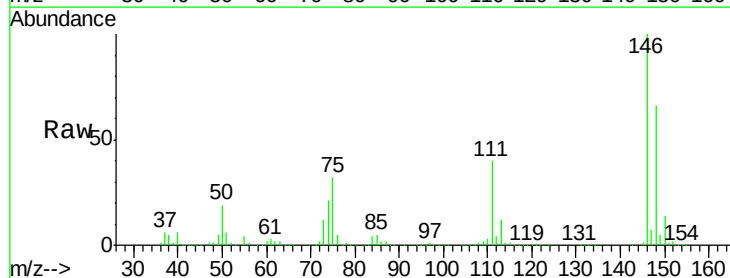
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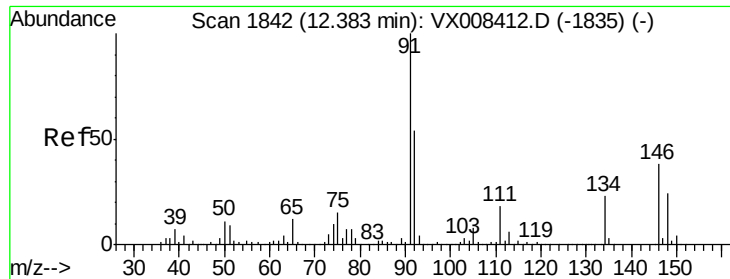
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#88
 1,4-Dichlorobenzene
 Concen: 48.608 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 50.791 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008412.D

Acq: 25 Mar 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 470955

Ion Ratio Lower Upper

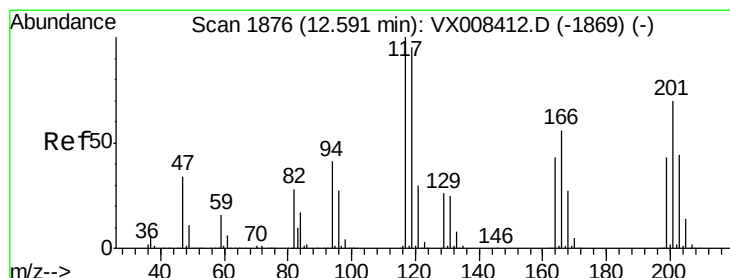
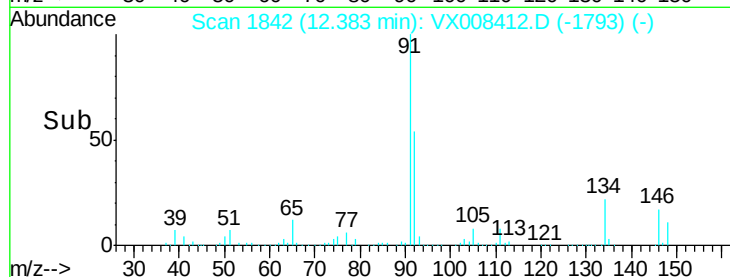
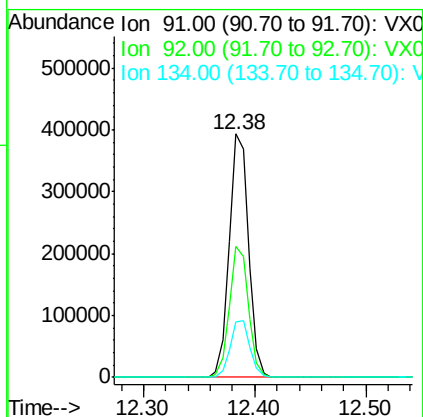
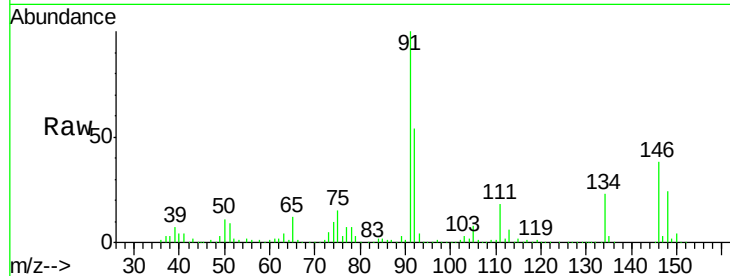
91 100

92 53.0 26.5 79.5

134 23.6 11.8 35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 51.575 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX008412.D

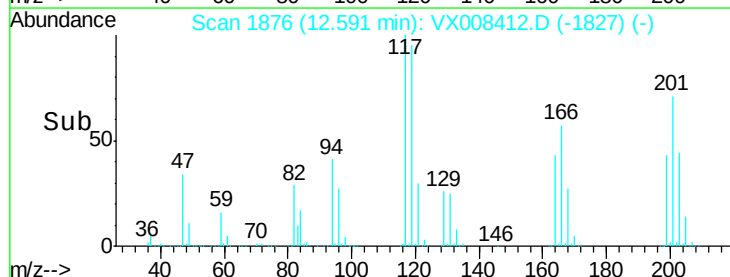
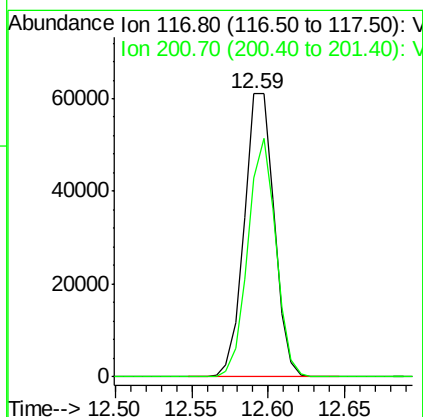
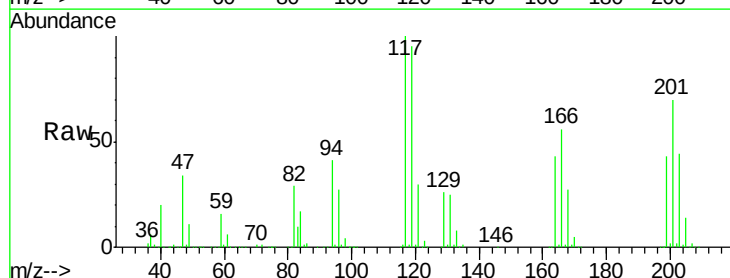
Acq: 25 Mar 2019 14:54

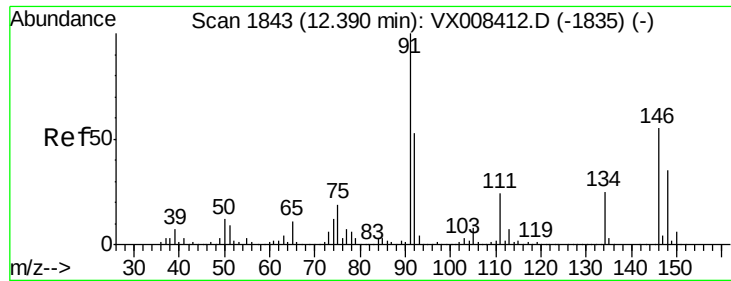
Tgt Ion: 117 Resp: 82990

Ion Ratio Lower Upper

117 100

201 78.7 39.4 118.1





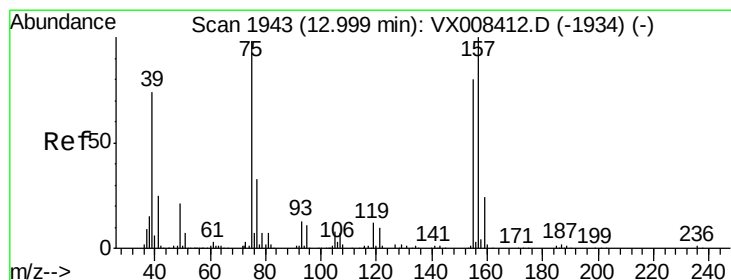
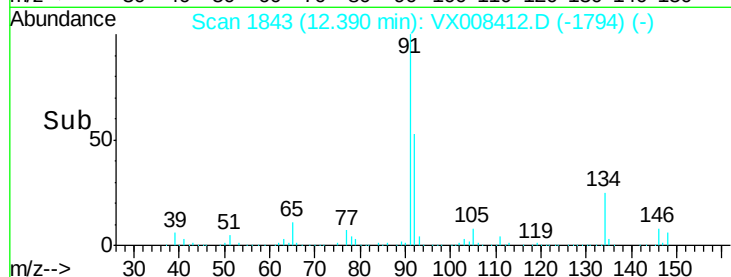
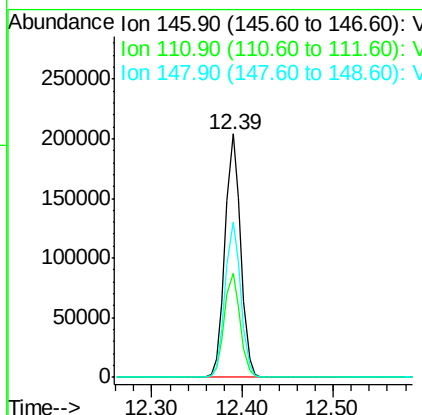
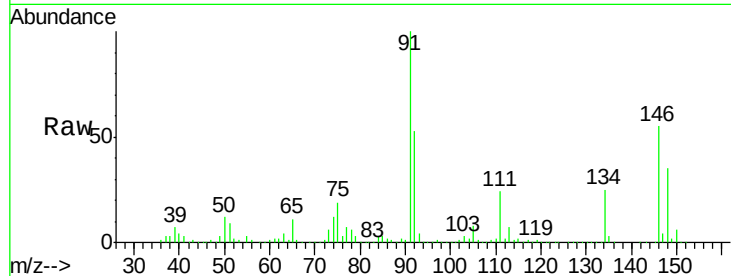
#91
 1,2-Dichlorobenzene
 Concen: 49.717 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.8	31.9	95.7

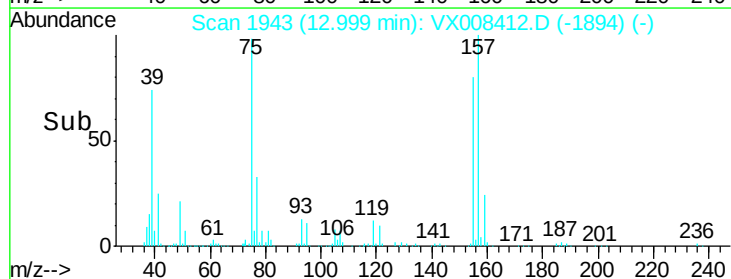
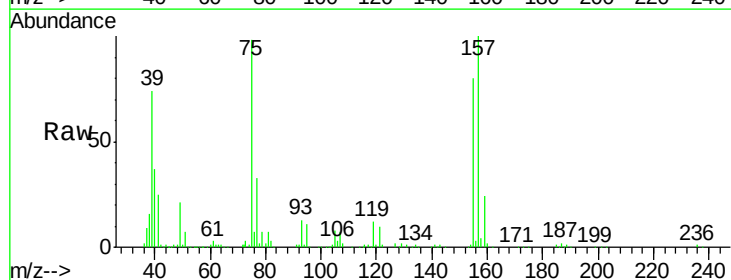
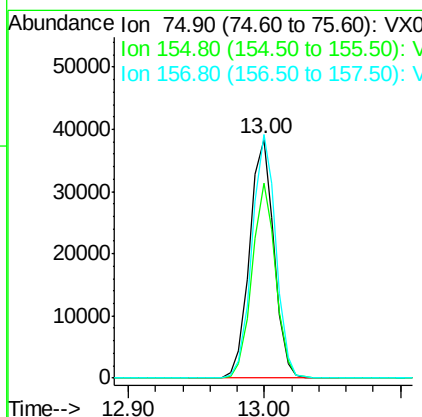
Manual Integrations
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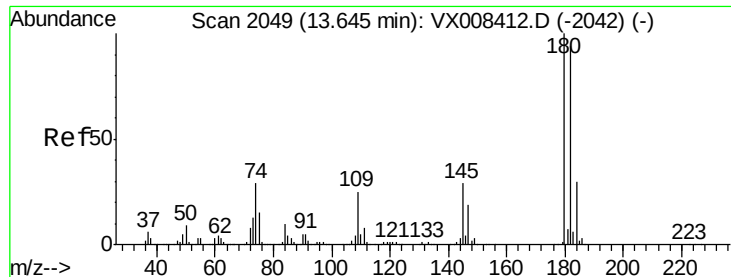
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.330 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	39.5	118.5
157	99.8	49.9	149.7





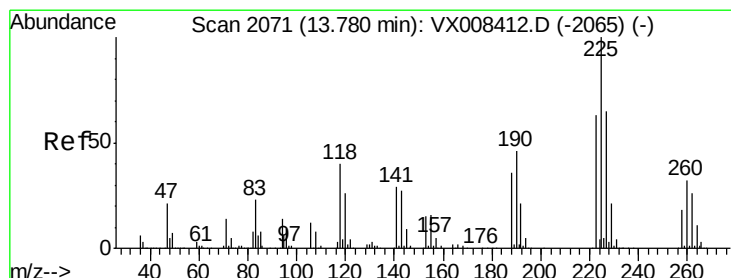
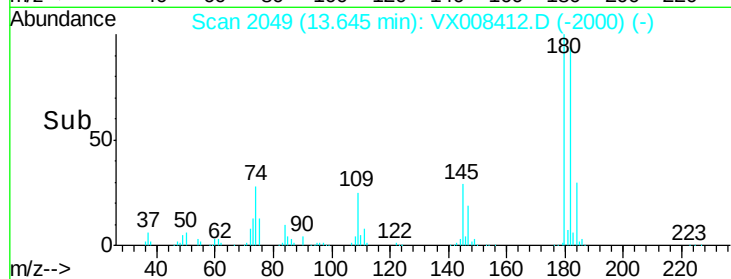
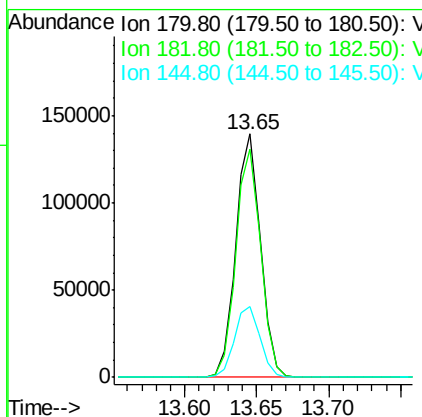
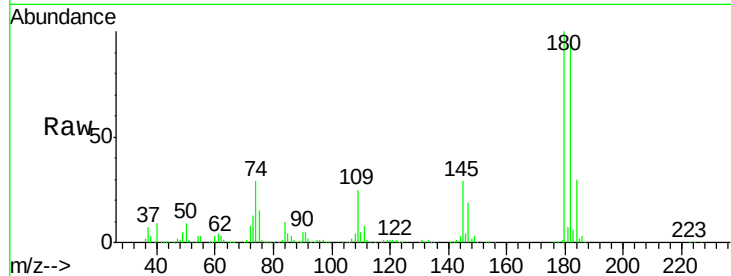
#93
 1,2,4-Trichlorobenzene
 Concen: 50.233 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	30.5	15.3	45.8

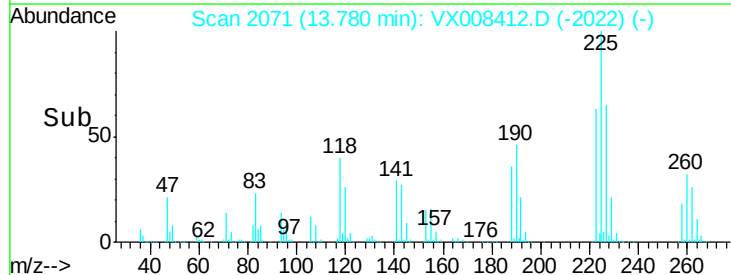
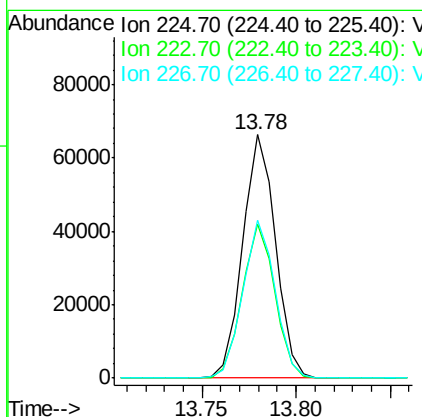
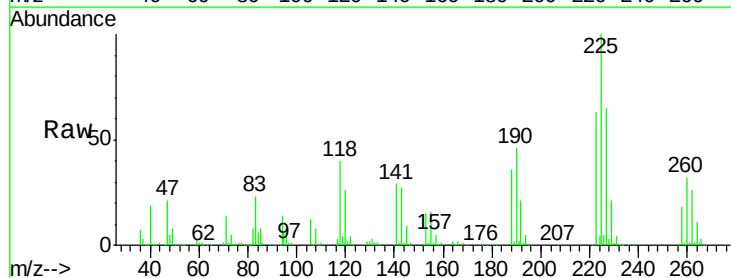
Manual Integrations
 APPROVED

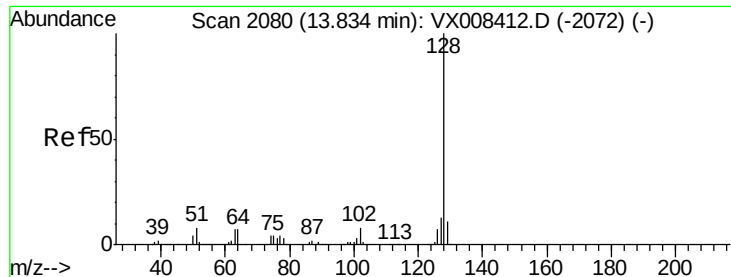
MMDadoda
 3/26/2019 9:46:35 AM



#94
 Hexachlorobutadiene
 Concen: 51.043 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008412.D
 Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	63.9	31.9	95.9





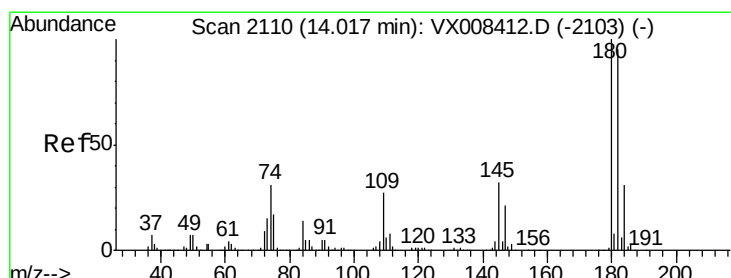
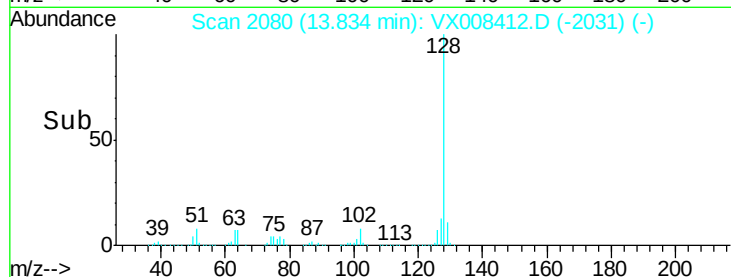
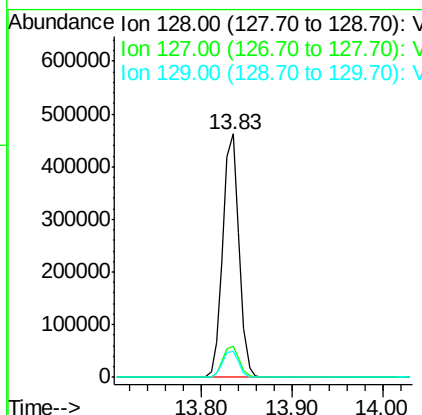
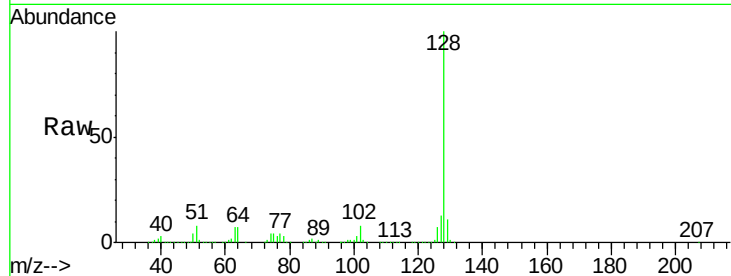
#95
Naphthalene
Concen: 49.715 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 9:46:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.741 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008412.D
Acq: 25 Mar 2019 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.3	16.2	48.5

