

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040219\
 Data File : VX008600.D
 Acq On : 02 Apr 2019 19:02
 Operator : JC/SP
 Sample : VX0402WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:51:42 AM

Quant Time: Apr 03 04:33:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122339	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	128991	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	5.50	113	95412	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.71	98	381845	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.13	95	141172	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	32652	15.540	ug/l	96
3) Chloromethane	1.32	50	48169	17.751	ug/l	98
4) Vinyl Chloride	1.40	62	45647	15.560	ug/l	100
5) Bromomethane	1.64	94	21872	15.499	ug/l	95
6) Chloroethane	1.72	64	28578	16.444	ug/l	99
7) Trichlorofluoromethane	1.93	101	54264	16.332	ug/l	97
8) Diethyl Ether	2.18	74	26117	16.610	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35220	17.540	ug/l	99
10) Methyl Iodide	2.51	142	25549	16.126	ug/l	98
11) Tert butyl alcohol	3.04	59	59768	99.826	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35697	17.214	ug/l	93
13) Acrolein	2.29	56	45401	104.421	ug/l	99
14) Allyl chloride	2.73	41	82994	18.166	ug/l	98
15) Acrylonitrile	3.14	53	149778	95.403	ug/l	99
16) Acetone	2.44	43	142646	100.996	ug/l	99
17) Carbon Disulfide	2.57	76	95960	15.866	ug/l	98
18) Methyl Acetate	2.78	43	69447	20.473	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	139808	18.709	ug/l	97
20) Methylene Chloride	2.85	84	46493	19.783	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	37686	18.065	ug/l	97
22) Diisopropyl ether	3.85	45	170225	18.922	ug/l	98
23) Vinyl Acetate	3.81	43	743714	94.759	ug/l	100
24) 1,1-Dichloroethane	3.70	63	82334	18.129	ug/l	99
25) 2-Butanone	4.67	43	224818	99.288	ug/l	98
26) 2,2-Dichloropropane	4.59	77	57944	19.182	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	45821	18.069	ug/l	99
28) Bromochloromethane	5.02	49	45249	20.166	ug/l	99
29) Tetrahydrofuran	5.13	42	142882	95.743	ug/l	100
30) Chloroform	5.21	83	75263	18.363	ug/l	97
31) Cyclohexane	5.58	56	75649	17.465	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	59246	18.084	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55369	17.465	ug/l	99
37) Ethyl Acetate	4.83	43	82395	20.062	ug/l	99
38) Carbon Tetrachloride	5.79	117	48483	18.325	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67233	17.746	ug/l	97
40) Benzene	6.14	78	175268	18.467	ug/l	98
41) Methacrylonitrile	5.04	41	46383	20.097	ug/l	99
42) 1,2-Dichloroethane	6.19	62	63094	18.157	ug/l	99
43) Isopropyl Acetate	6.45	43	127082	19.345	ug/l	100
44) Trichloroethene	7.21	130	38921	17.466	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51013	18.910	ug/l	98
46) Dibromomethane	7.66	93	28785	18.273	ug/l	100
47) Bromodichloromethane	7.90	83	56336	18.684	ug/l	100
48) Methyl methacrylate	7.77	41	63980	19.465	ug/l	99
49) 1,4-Dioxane	7.74	88	25640	392.318	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	431074	101.033	ug/l	100
52) Toluene	8.78	92	106467	18.761	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	61714	18.686	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	70220	18.698	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43852	18.983	ug/l	99
56) Ethyl methacrylate	9.18	69	79709	19.116	ug/l	100
57) 1,3-Dichloropropane	9.37	76	77000	18.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	211339	98.048	ug/l	100
59) 2-Hexanone	9.49	43	341411	103.268	ug/l	99
60) Dibromochloromethane	9.58	129	40556	18.461	ug/l	98
61) 1,2-Dibromoethane	9.67	107	44842	19.021	ug/l	99
64) Tetrachloroethene	9.34	164	33268	18.430	ug/l	98
65) Chlorobenzene	10.13	112	107229	18.493	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37659	18.825	ug/l	99
67) Ethyl Benzene	10.25	91	199384	18.220	ug/l	99
68) m/p-Xylenes	10.36	106	145145	36.458	ug/l	99
69) o-Xylene	10.69	106	72275	18.708	ug/l	98
70) Styrene	10.71	104	124432	18.646	ug/l	99
71) Bromoform	10.85	173	28729	18.185	ug/l #	100
73) Isopropylbenzene	11.02	105	191579	19.249	ug/l	100
74) N-amyl acetate	10.90	43	115871	20.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	74628	19.325	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	62974m	17.315	ug/l	
77) Bromobenzene	11.26	156	45481	18.828	ug/l	100
78) n-propylbenzene	11.36	91	219774	18.850	ug/l	100
79) 2-Chlorotoluene	11.42	91	133886	18.880	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	159412	18.945	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21926	19.309	ug/l	95
82) 4-Chlorotoluene	11.51	91	151061	18.467	ug/l	99
83) tert-Butylbenzene	11.77	119	154541	19.036	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	159629	18.756	ug/l	99
85) sec-Butylbenzene	11.94	105	183858	19.018	ug/l	100
86) p-Isopropyltoluene	12.06	119	163069	19.116	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	79956	18.526	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79224	18.189	ug/l	99
89) n-Butylbenzene	12.38	91	148707	18.402	ug/l	100
90) Hexachloroethane	12.60	117	26200	18.436	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	81379	18.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16485	19.578	ug/l	99

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VX0402WBS03

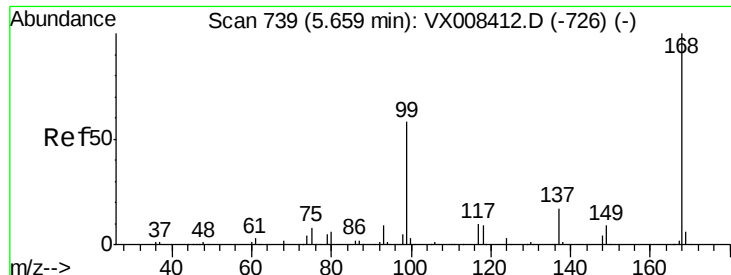
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54742	18.813	ug/l	99
94) Hexachlorobutadiene	13.78	225	26967	19.517	ug/l	99
95) Naphthalene	13.83	128	195793	19.626	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57629	19.709	ug/l	99

(#) = 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: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion:168 Resp: 178251

Ion Ratio Lower Upper

168 100

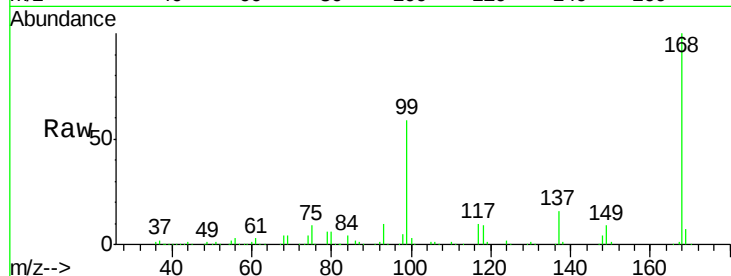
99 58.7 46.0 69.0

Manual Integrations

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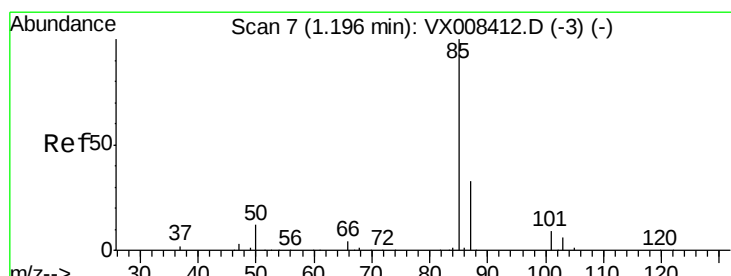
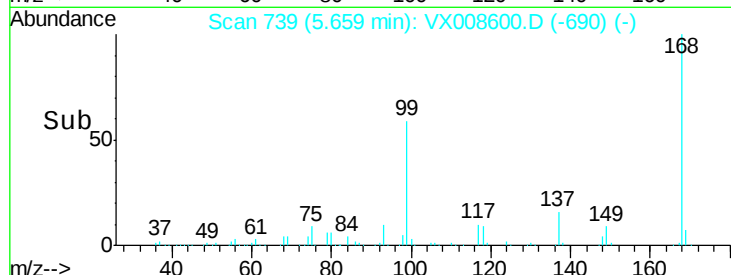
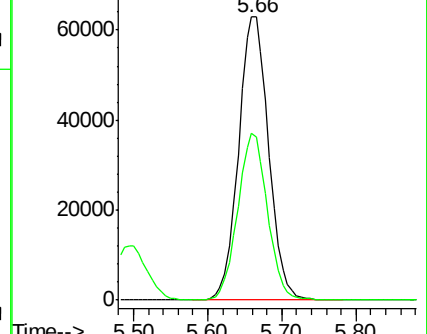
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.540 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008600.D

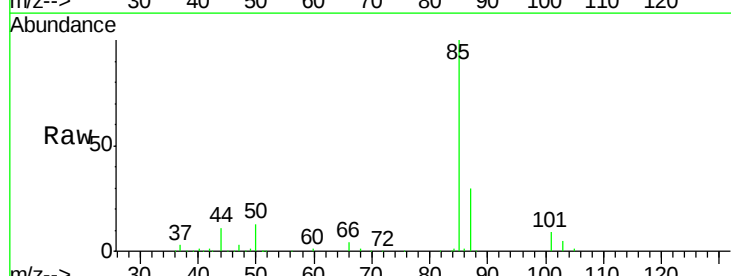
Acq: 02 Apr 2019 19:02

Tgt Ion: 85 Resp: 32652

Ion Ratio Lower Upper

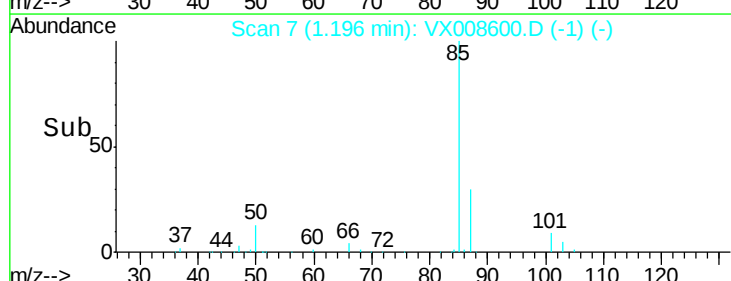
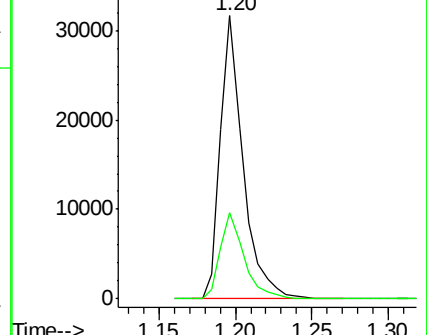
85 100

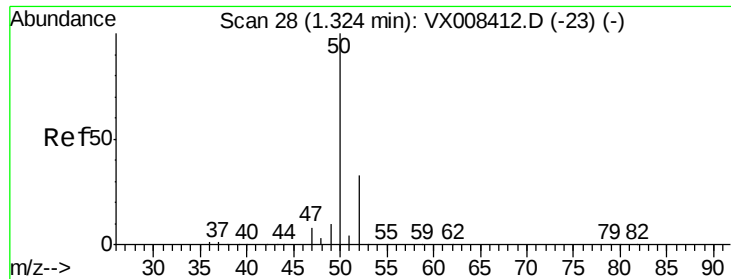
87 30.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.751 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion: 50 Resp: 48169

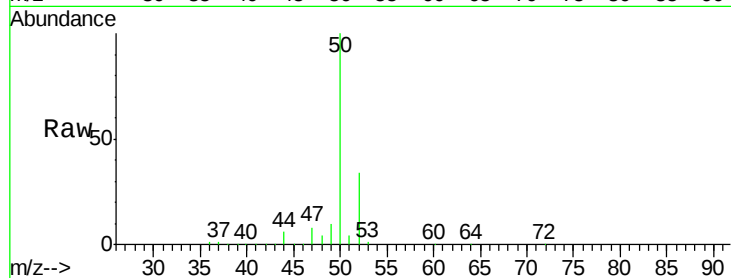
Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.2

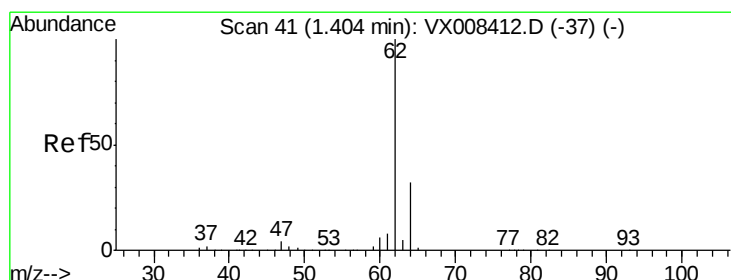
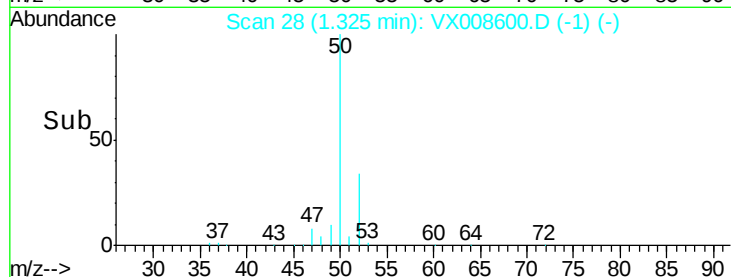
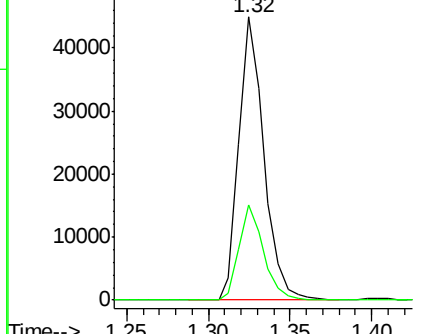
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 15.560 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008600.D

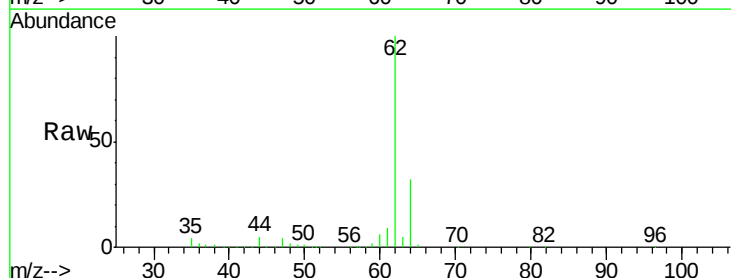
Acq: 02 Apr 2019 19:02

Tgt Ion: 62 Resp: 45647

Ion Ratio Lower Upper

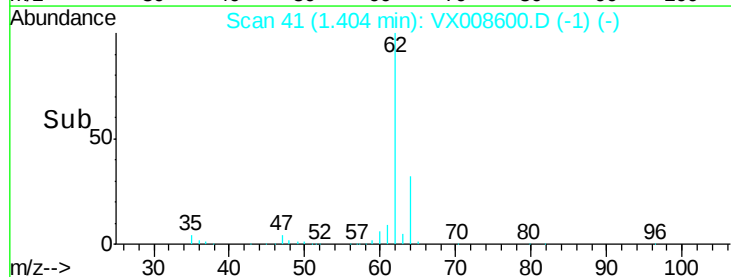
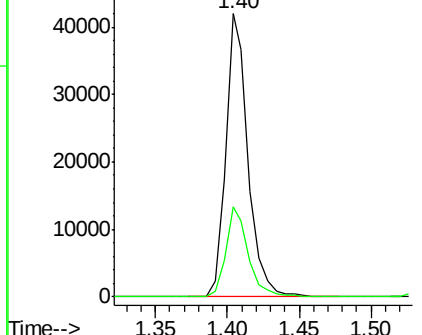
62 100

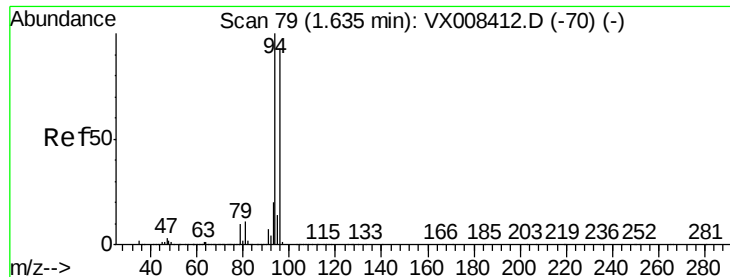
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.499 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tot Ion: 94 Resp: 21872

Ion Ratio Lower Upper

94 100

96 88.3 74.8 112.2

Instrument :

MSVOA_X

ClientSampled :

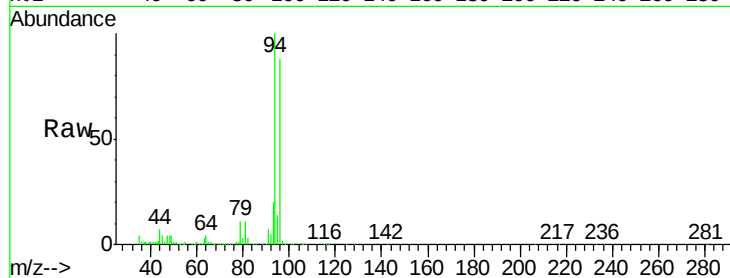
VX0402WBS03

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

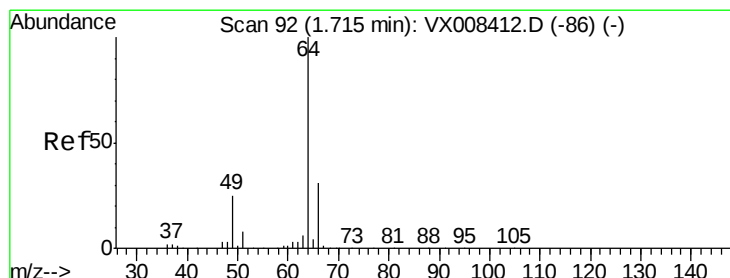
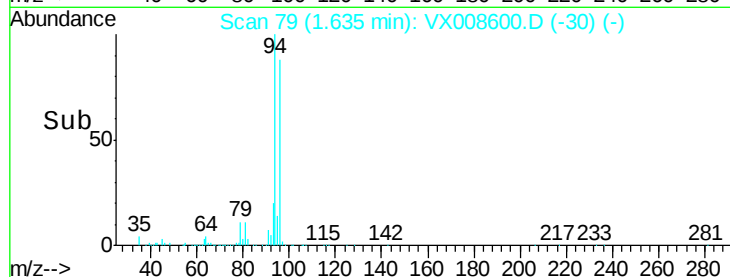
10000

5000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 16.444 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008600.D

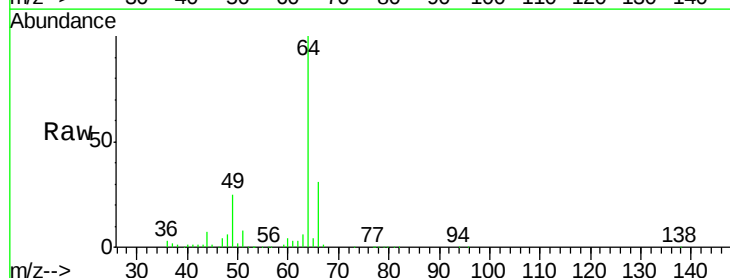
Acq: 02 Apr 2019 19:02

Tgt Ion: 64 Resp: 28578

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

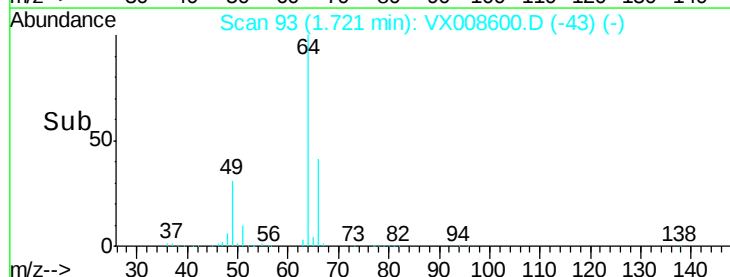
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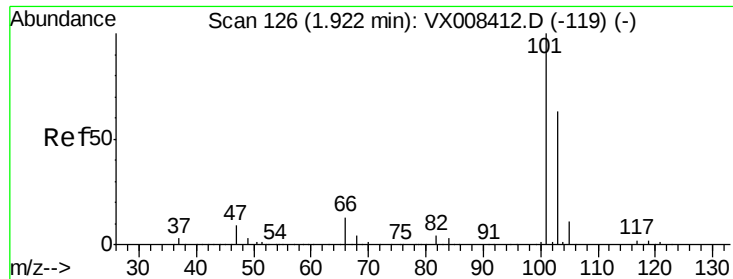
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1.65 1.70 1.75 1.80

Time-->





#7

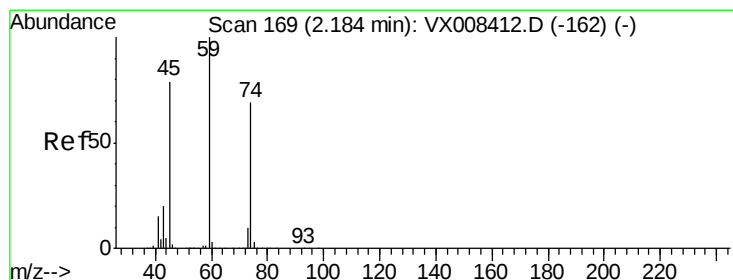
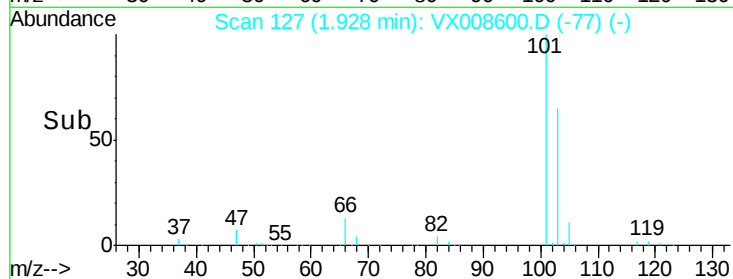
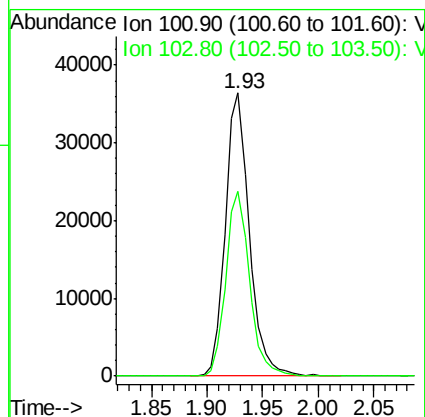
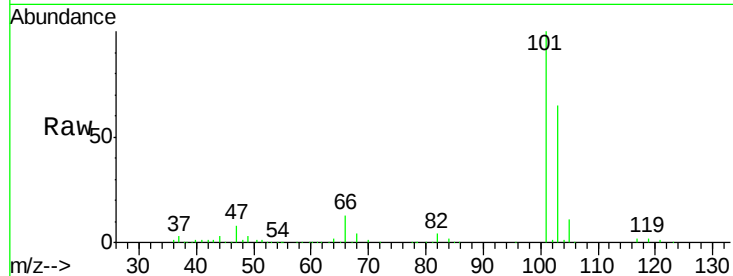
Trichlorofluoromethane
 Concen: 16.332 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion:101 Resp: 54264
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.2 75.4

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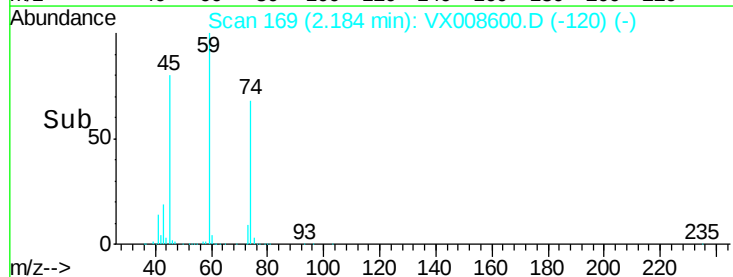
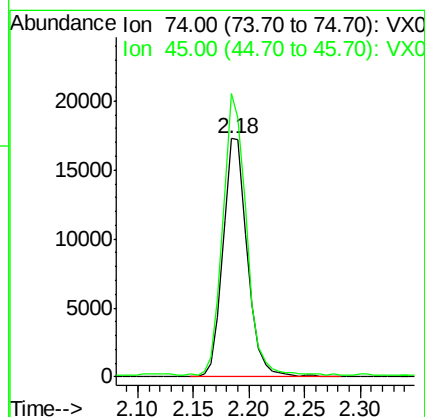
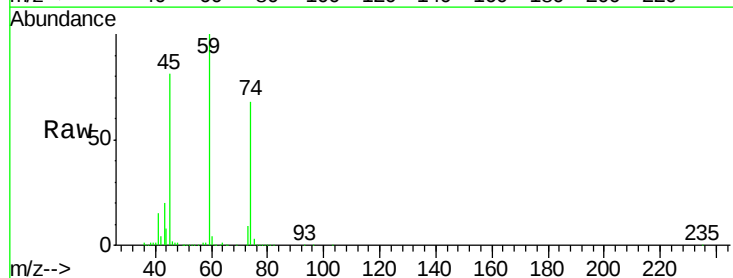
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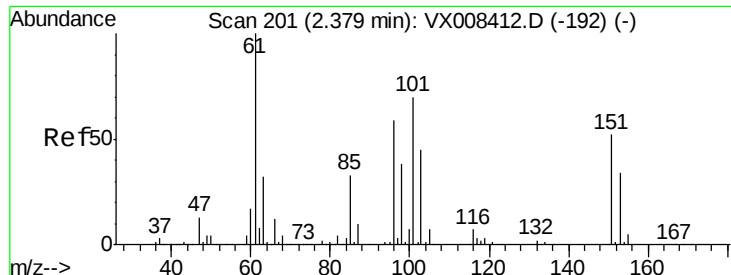


#8

Diethyl Ether
 Concen: 16.610 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion: 74 Resp: 26117
 Ion Ratio Lower Upper
 74 100
 45 114.4 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.540 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

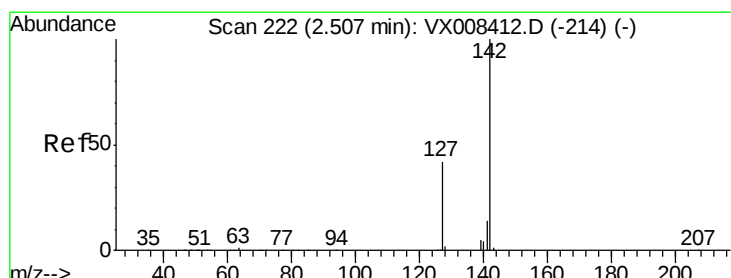
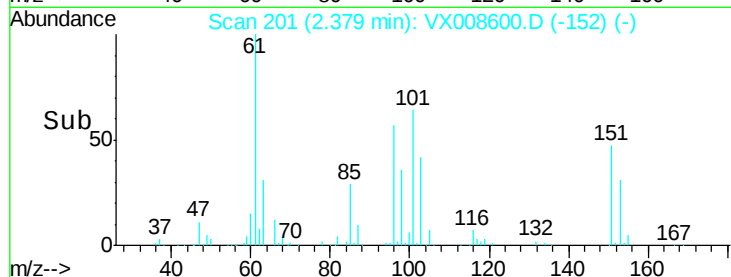
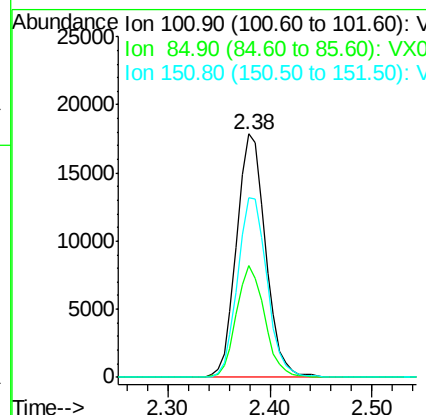
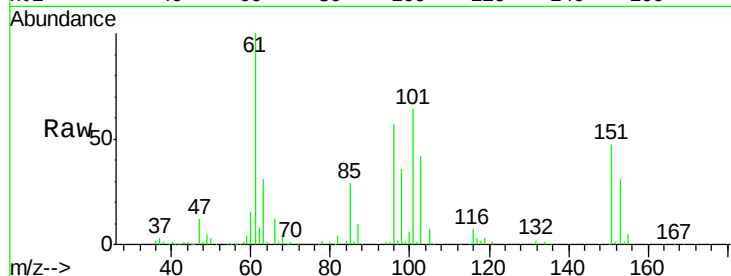
ClientSampleId :

VX0402WBS03

Tot Ion:	101	Resp:	35220
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	74.8	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.126 ug/l

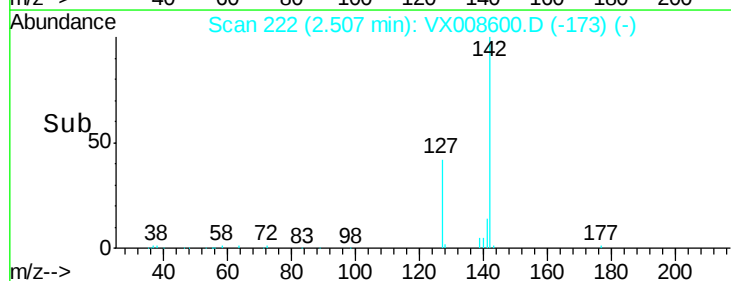
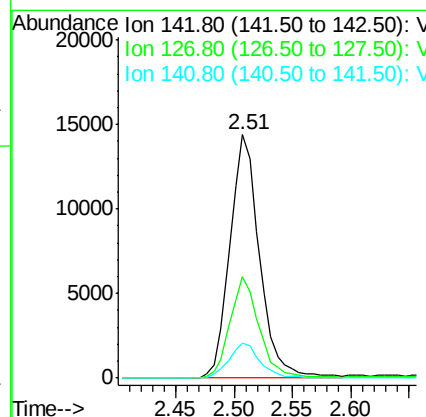
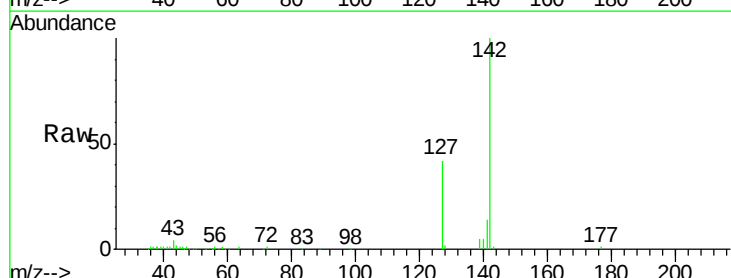
RT: 2.51 min Scan# 222

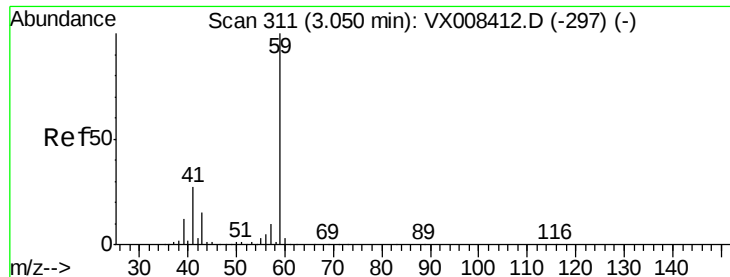
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	142	Resp:	25549
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.6	50.4
141	15.0	11.3	16.9





#11

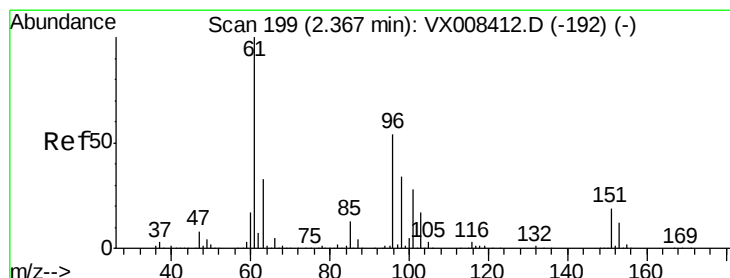
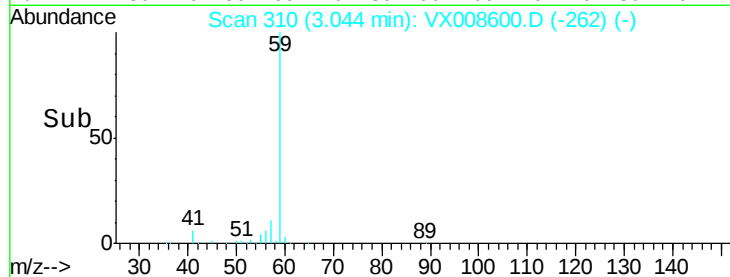
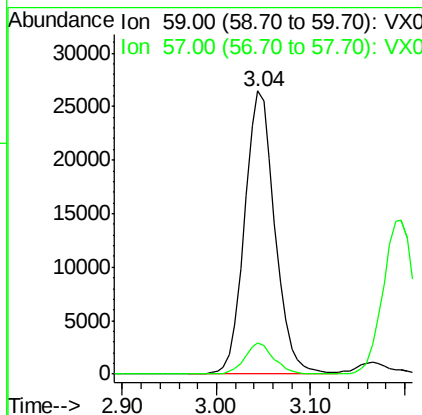
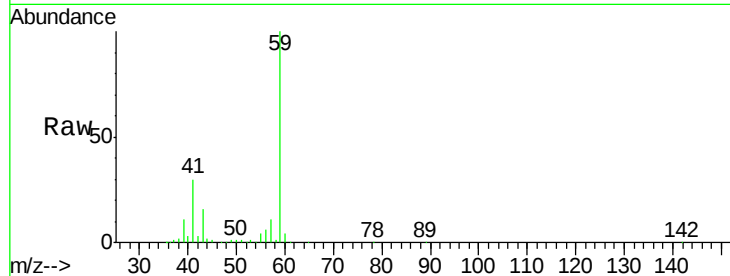
Tert butyl alcohol
 Concen: 99.826 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

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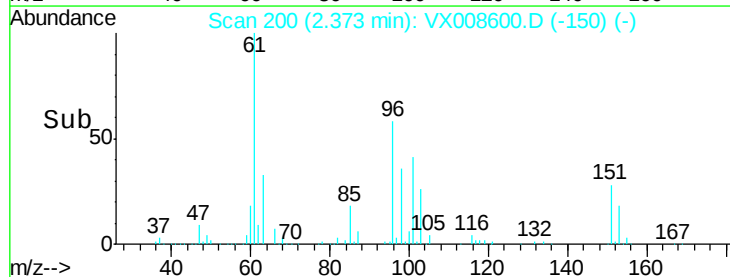
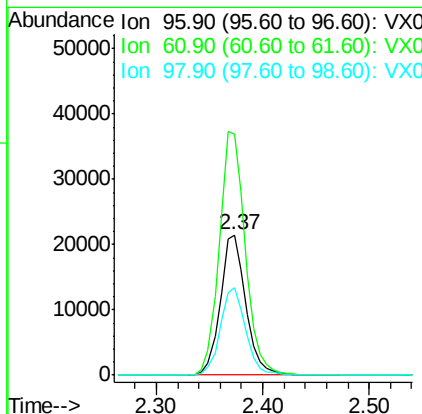
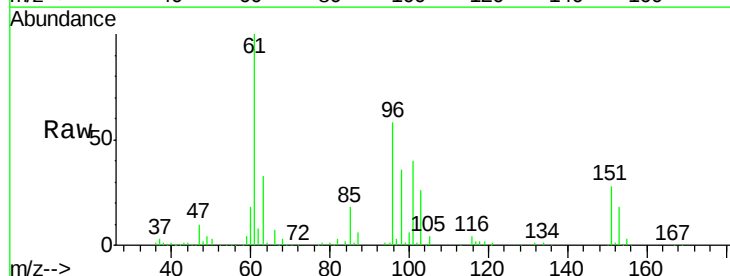
MMDadoda
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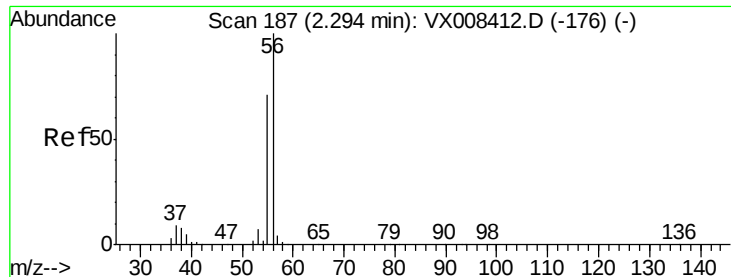


#12

1,1-Dichloroethene
 Concen: 17.214 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	146.9	220.3
98	62.3	50.1	75.1





#13

Acrolein

Concen: 104.421 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion: 56 Resp: 45401

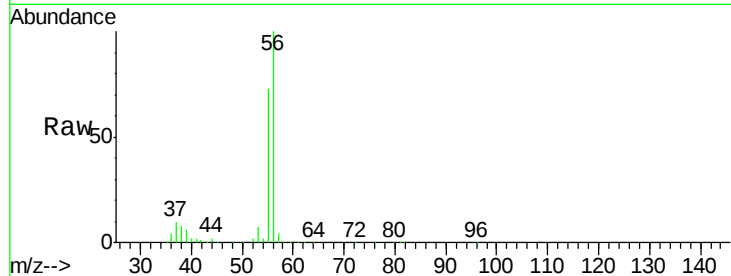
Ion Ratio Lower Upper

56 100

55 71.7 56.5 84.7

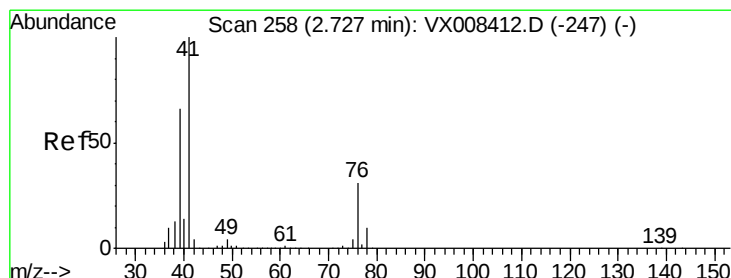
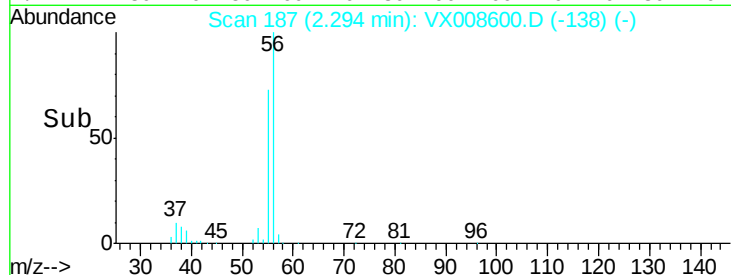
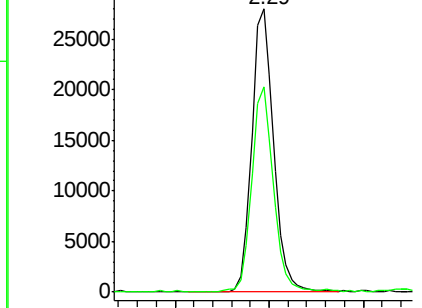
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.166 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

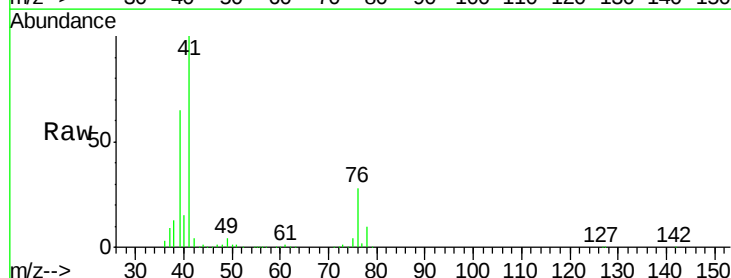
Tgt Ion: 41 Resp: 82994

Ion Ratio Lower Upper

41 100

39 60.5 49.6 74.4

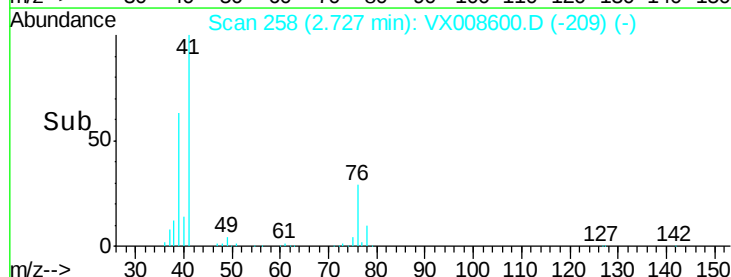
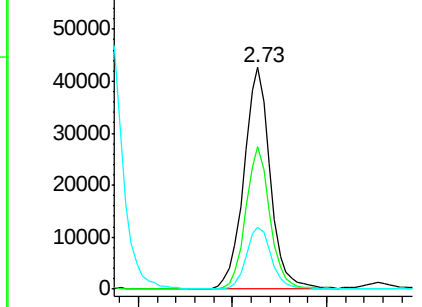
76 26.9 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 95.403 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

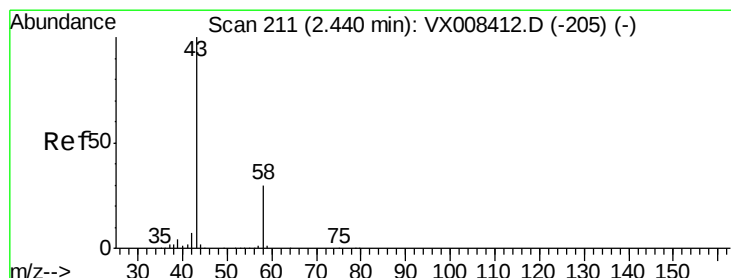
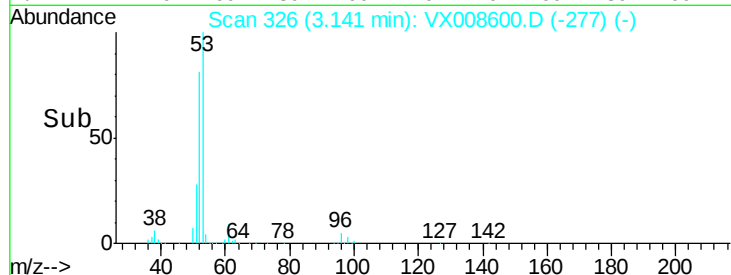
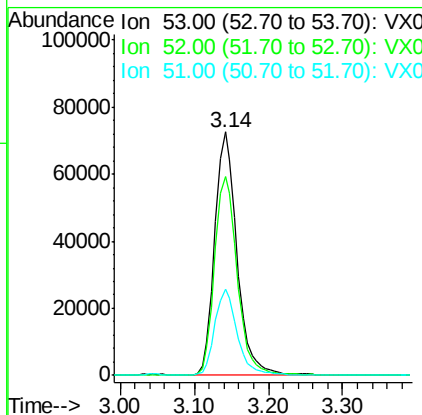
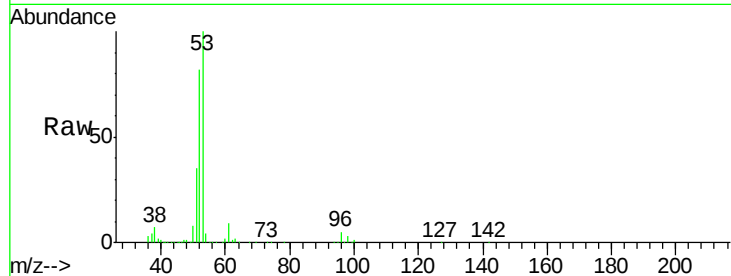
ClientSampleId :

VX0402WBS03

Tot Ion:	53	Resp:	149778
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.5	99.7
51	36.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 100.996 ug/l

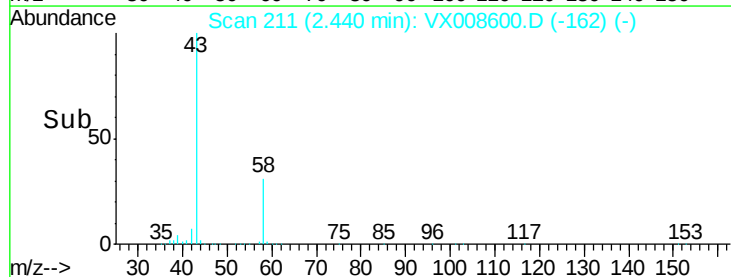
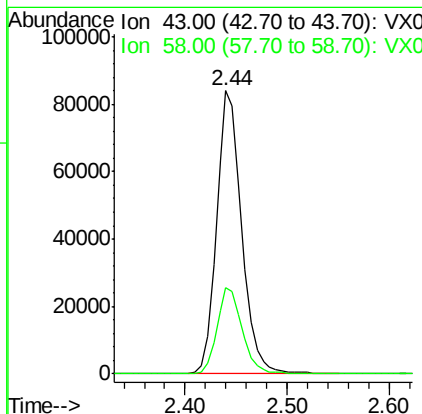
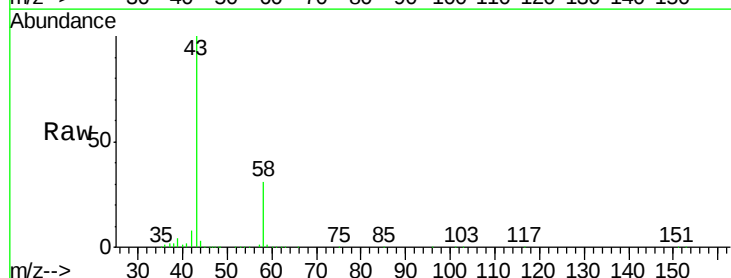
RT: 2.44 min Scan# 211

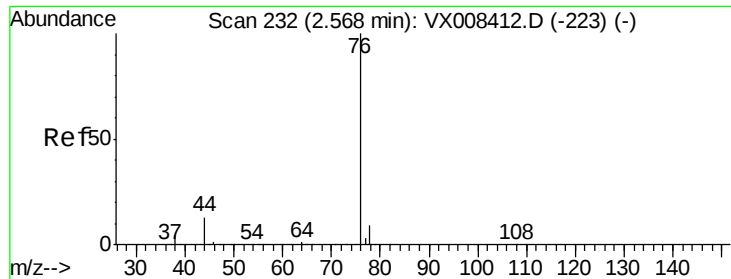
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	43	Resp:	142646
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.2	36.2





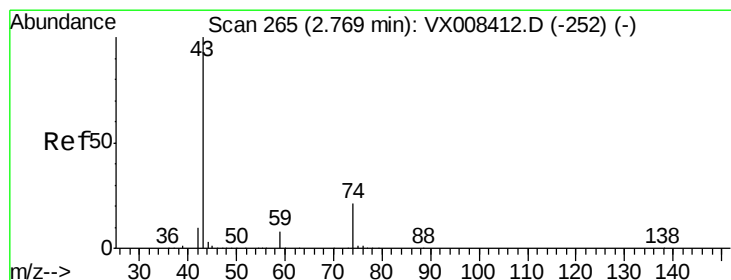
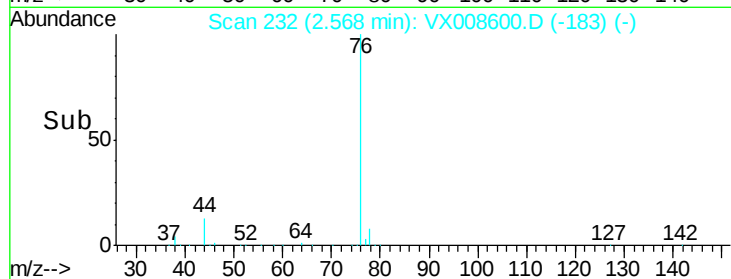
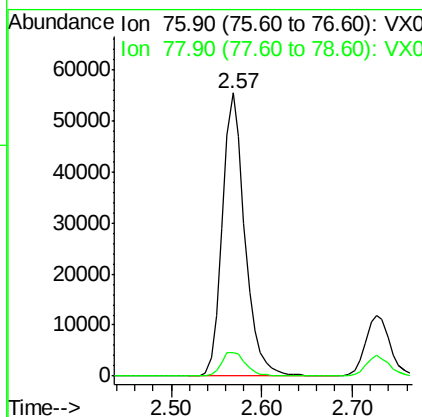
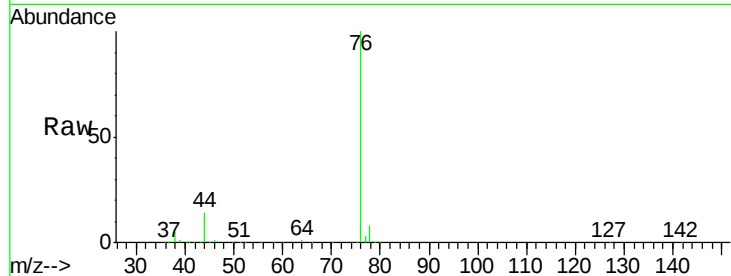
#17
Carbon Disulfide
Concen: 15.866 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

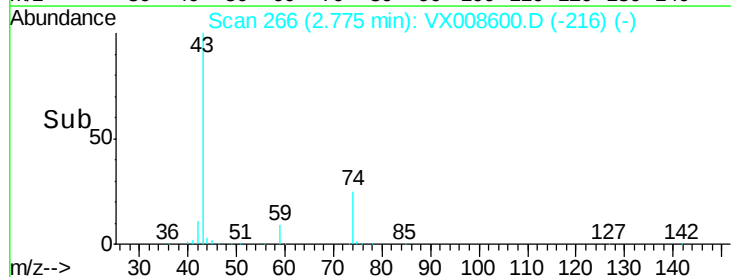
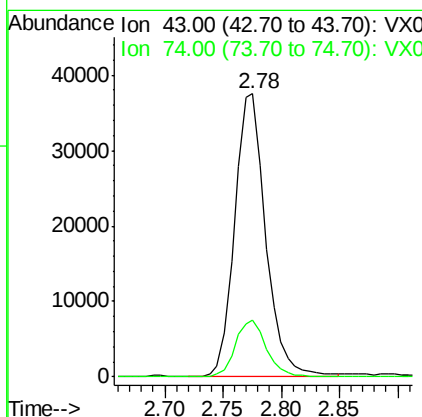
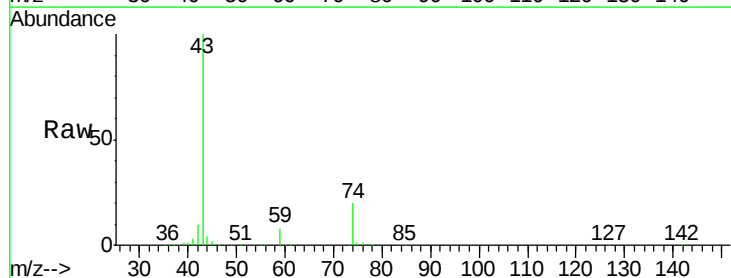
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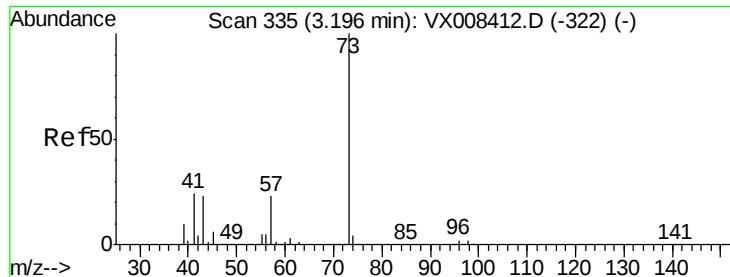
MMDadoda
4/3/2019 10:51:42 AM



#18
Methyl Acetate
Concen: 20.473 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.7	25.1





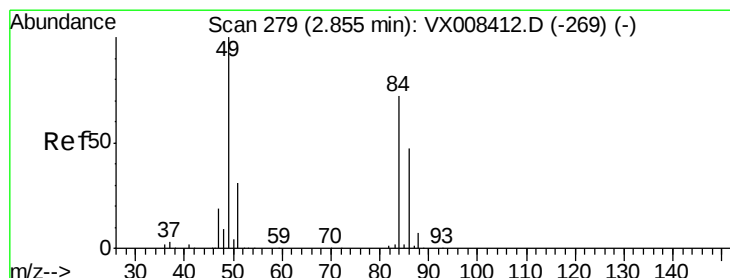
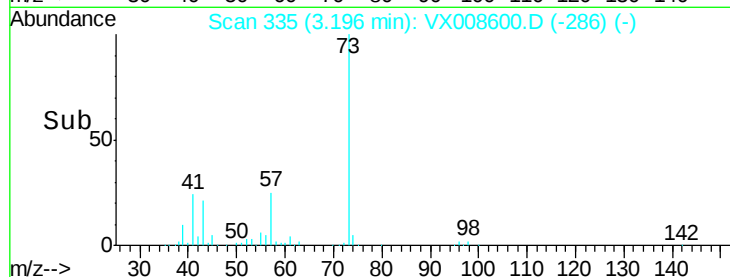
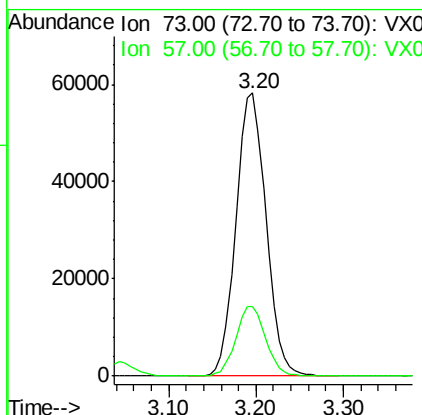
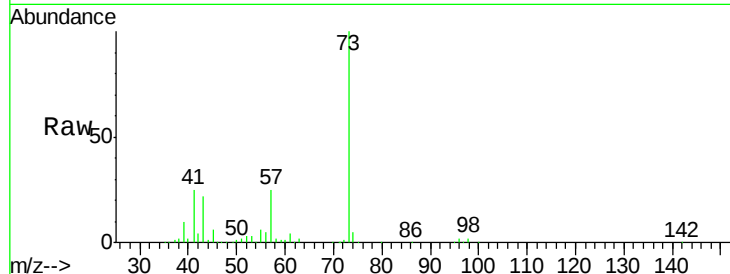
#19
Methvl tert-butvl Ether
Concen: 18.709 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion: 73 Resp: 139808
Ion Ratio Lower Upper
73 100
57 24.8 18.6 28.0

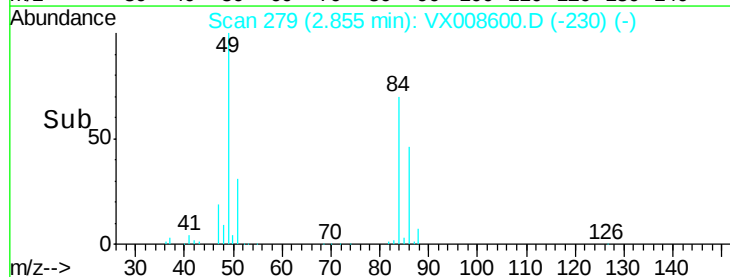
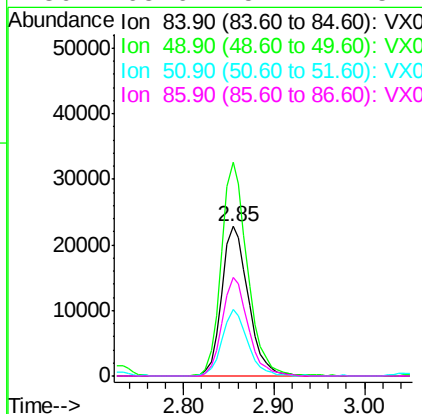
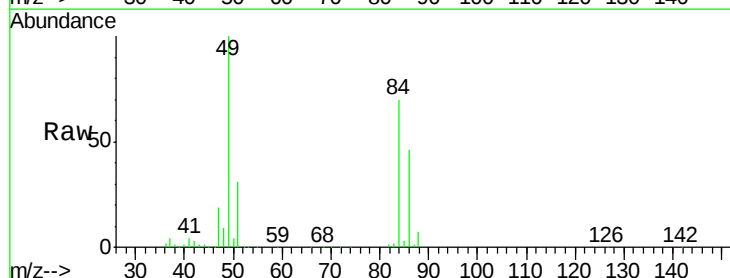
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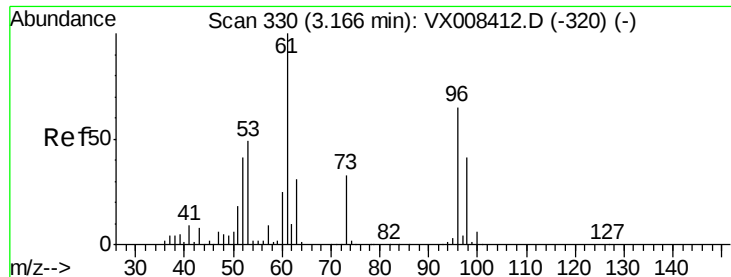
MMDadoda
4/3/2019 10:51:42 AM



#20
Methylene Chloride
Concen: 19.783 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion: 84 Resp: 46493
Ion Ratio Lower Upper
84 100
49 143.0 110.6 165.8
51 44.2 33.9 50.9
86 65.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.065 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion: 96 Resp: 37686

Ion Ratio Lower Upper

96 100

61 158.1 122.6 184.0

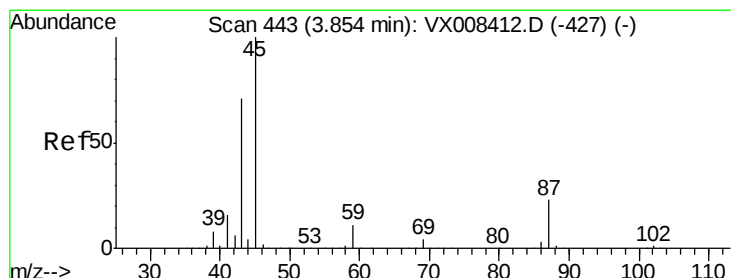
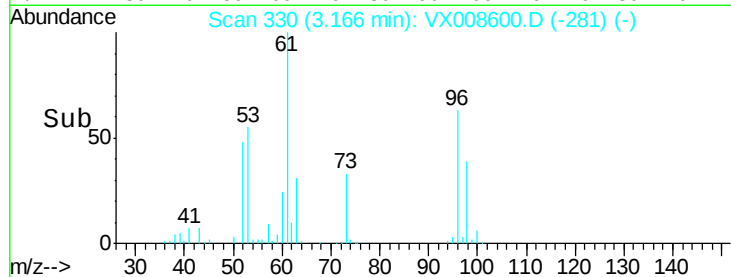
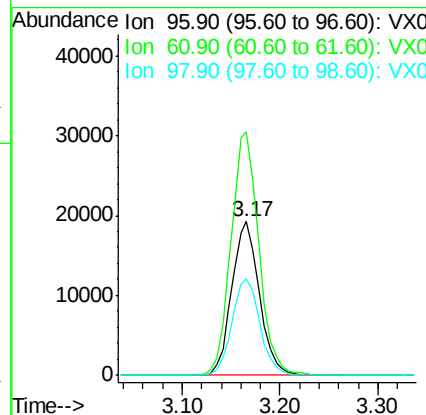
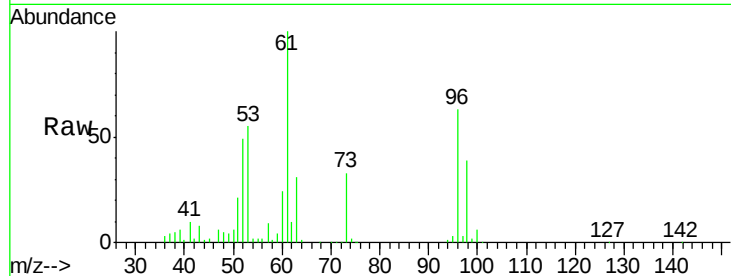
98 62.4 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.922 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion: 45 Resp: 170225

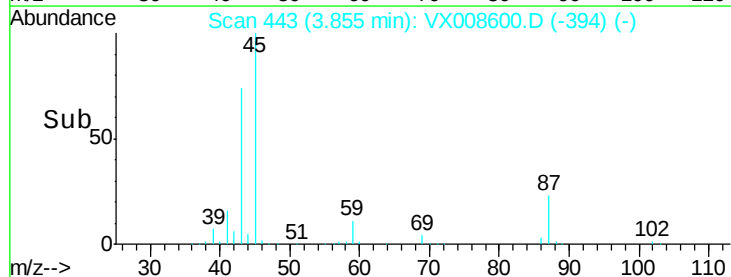
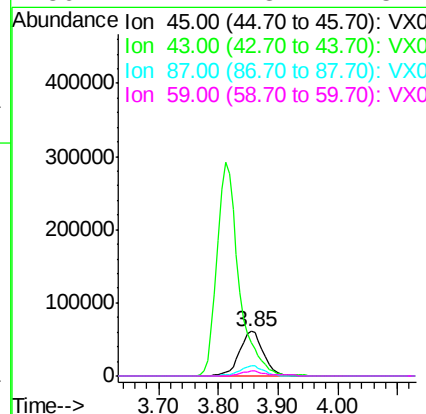
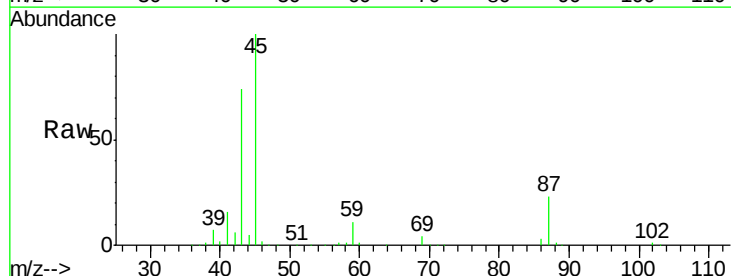
Ion Ratio Lower Upper

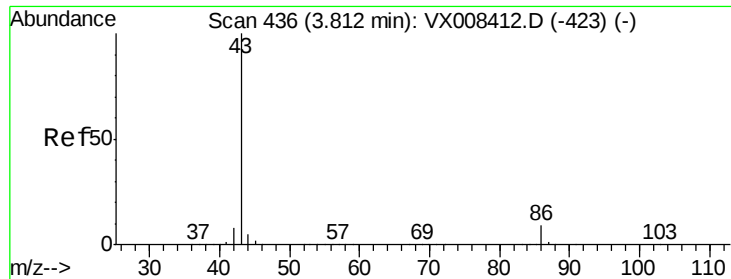
45 100

43 73.9 57.1 85.7

87 22.6 18.8 28.2

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 94.759 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion: 43 Resp: 743714

Ion Ratio Lower Upper

43 100

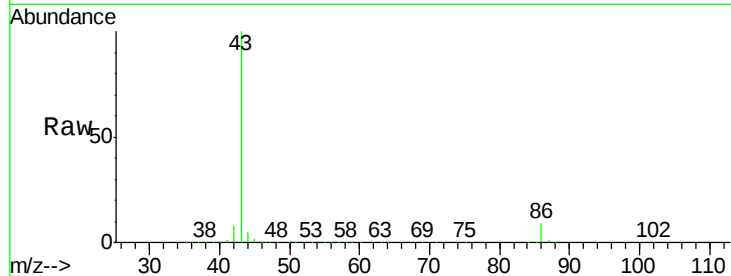
86 8.5 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

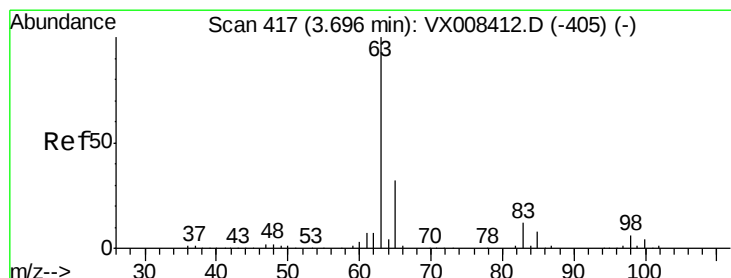
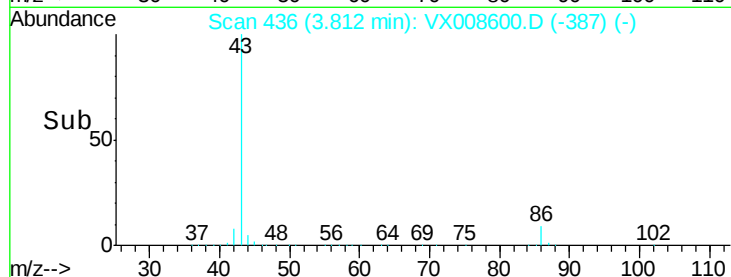
200000

100000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.129 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

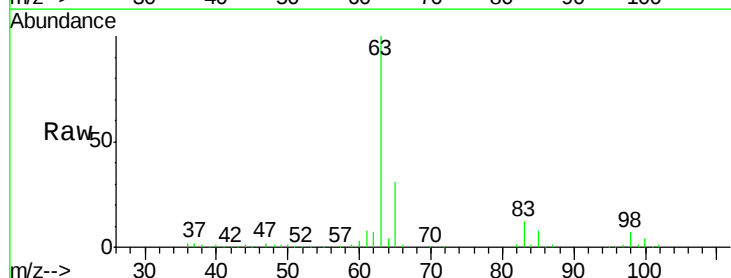
Tgt Ion: 63 Resp: 82334

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

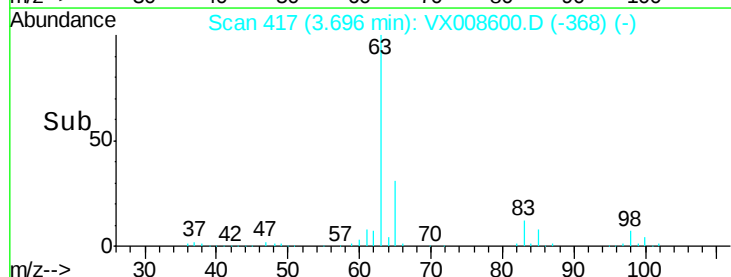
20000

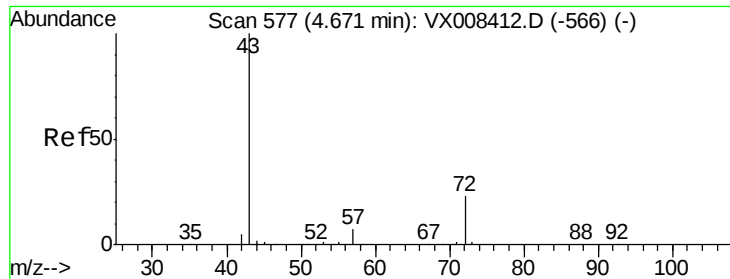
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 99.288 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion: 43 Resp: 224818

Ion Ratio Lower Upper

43 100

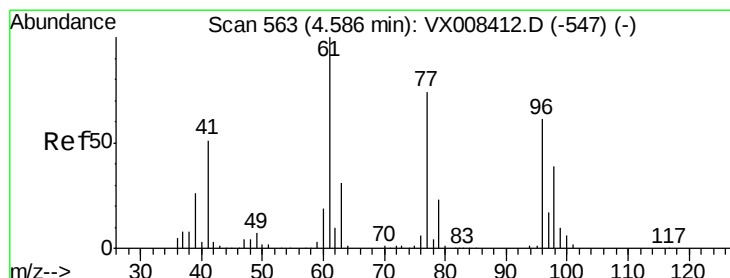
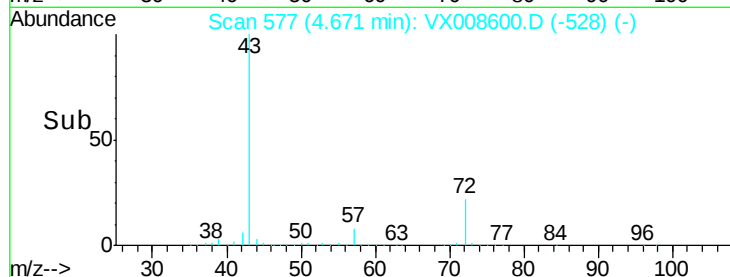
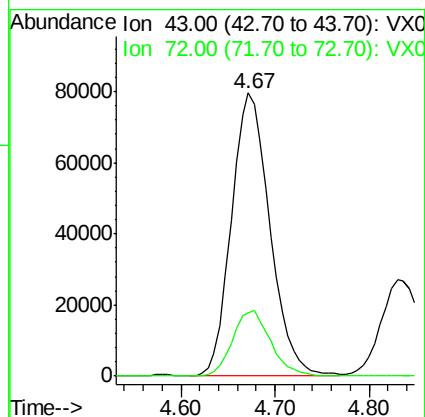
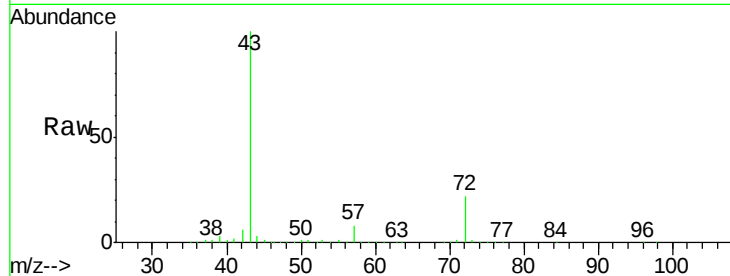
72 22.3 18.6 28.0

Manual Integrations

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MMDadoda

4/3/2019 10:51:42 AM



#26

2,2-Dichloropropane

Concen: 19.182 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008600.D

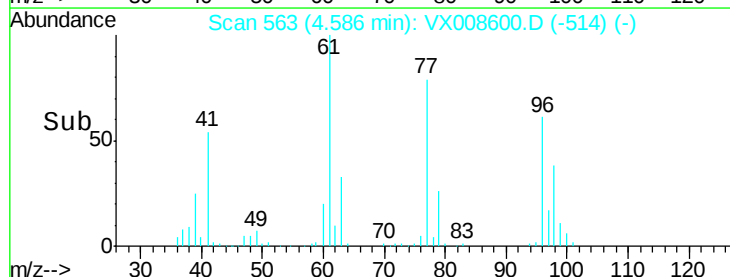
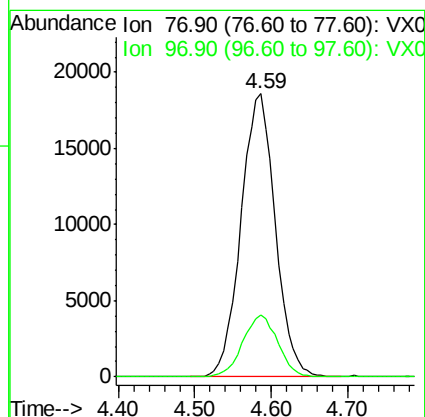
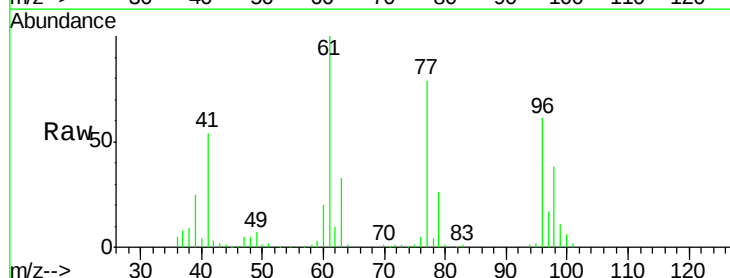
Acq: 02 Apr 2019 19:02

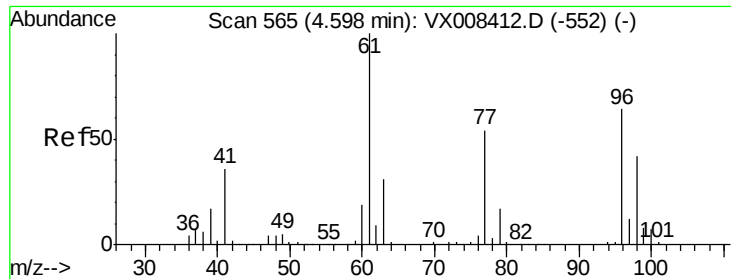
Tgt Ion: 77 Resp: 57944

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

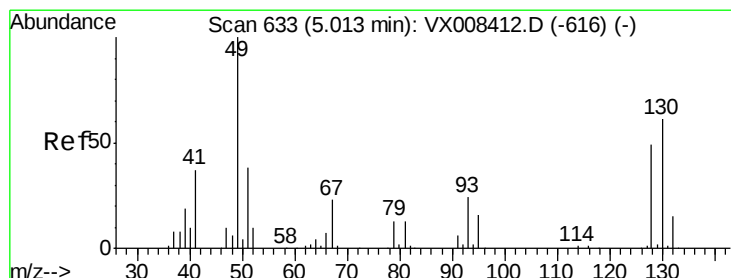
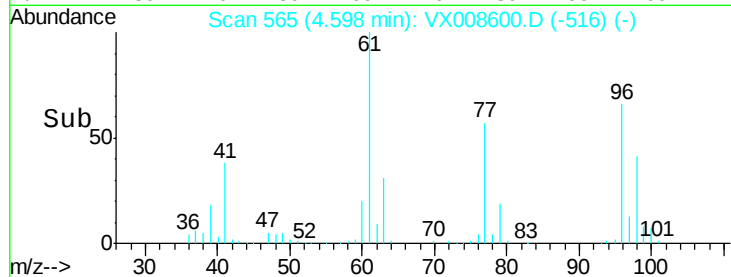
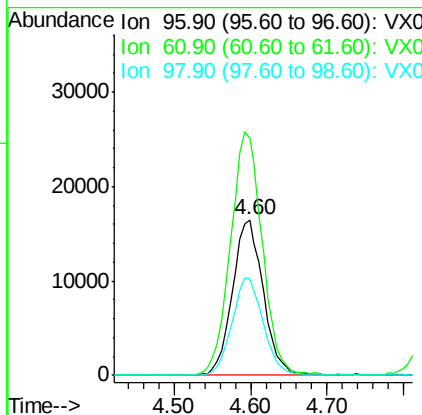
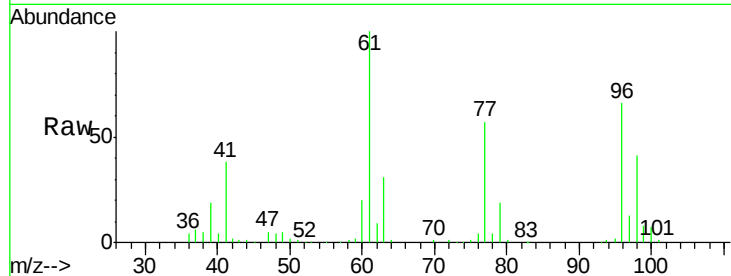
cis-1,2-Dichloroethene
Concen: 18.069 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45821		
61	162.1	0.0	325.6	
98	64.0	0.0	130.0	

Manual Integrations
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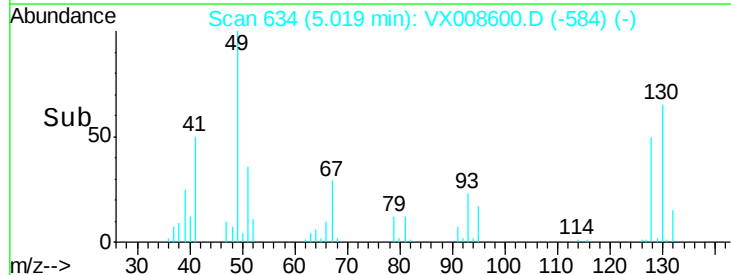
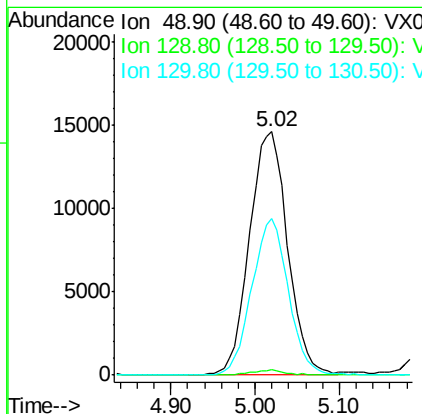
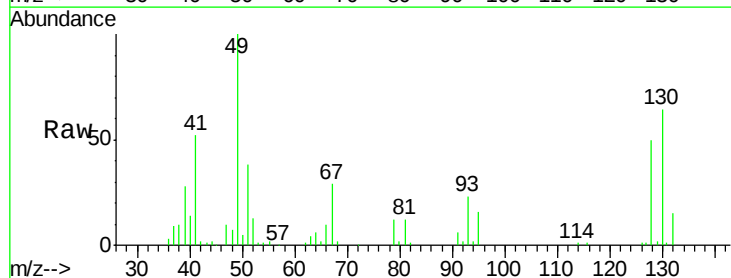
MMDadoda
4/3/2019 10:51:42 AM

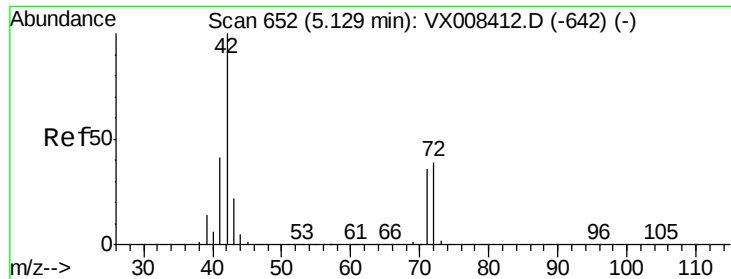


#28

Bromochloromethane
Concen: 20.166 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45249		
129	1.7	0.0	3.4	
130	61.3	49.8	74.6	





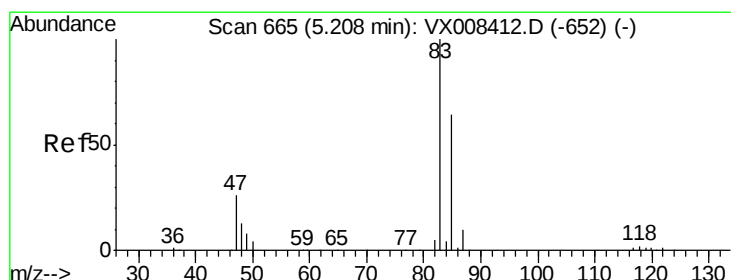
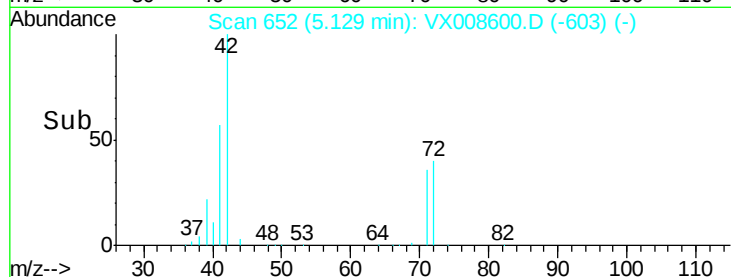
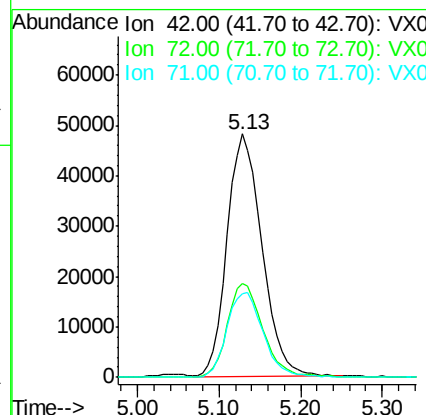
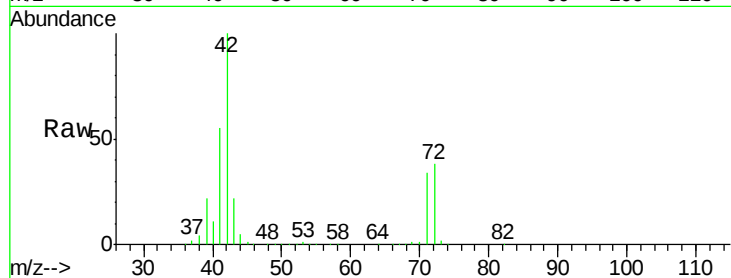
#29
Tetrahydrofuran
Concen: 95.743 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	36.3	29.4	44.2

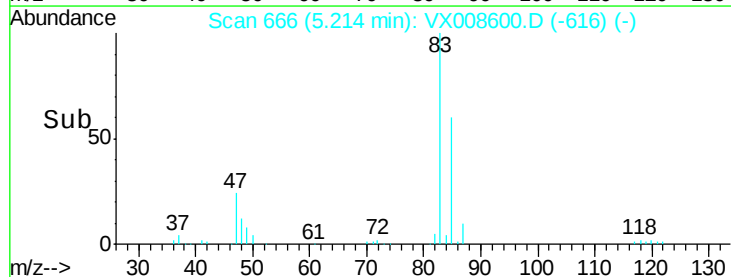
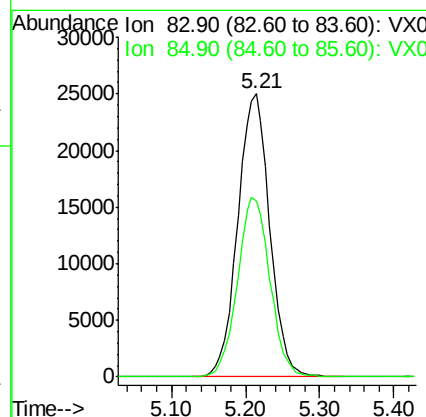
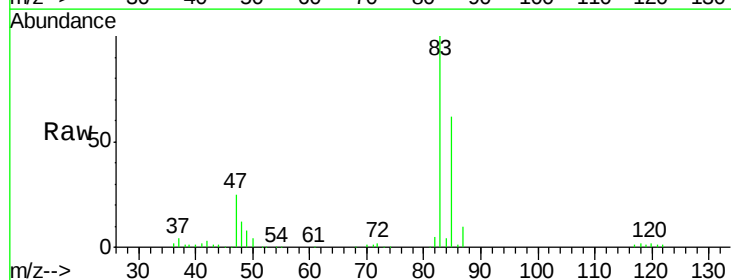
Manual Integrations
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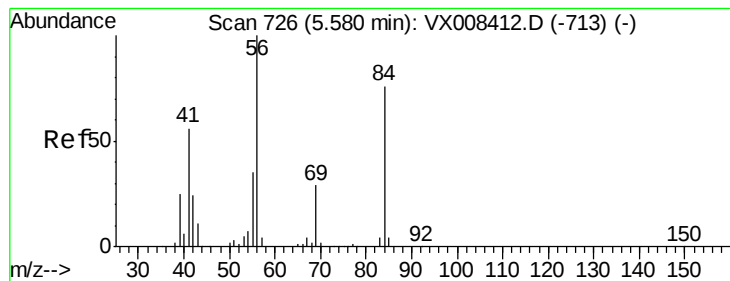
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#30
Chloroform
Concen: 18.363 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





#31

Cyclohexane

Concen: 17.465 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

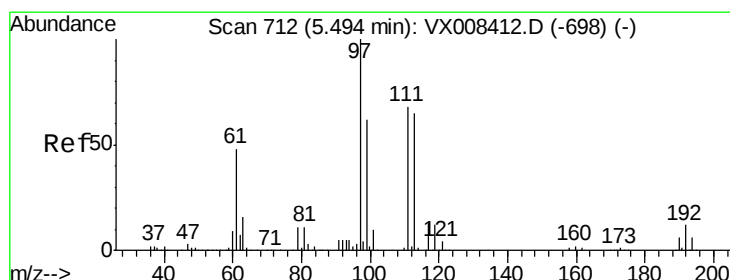
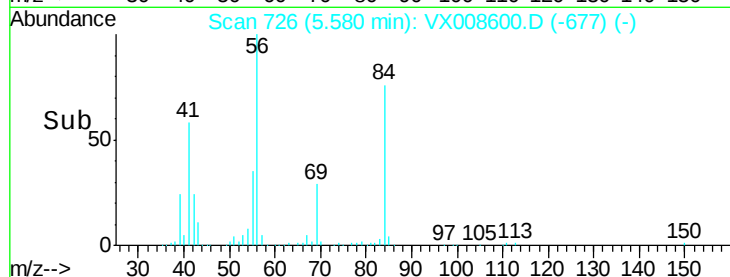
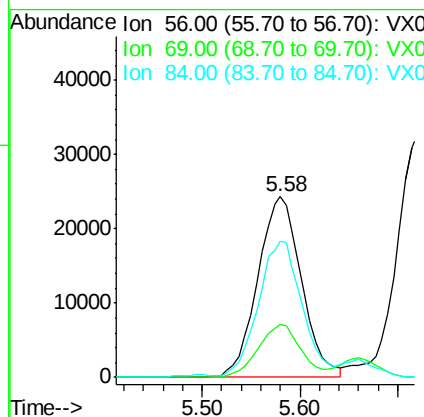
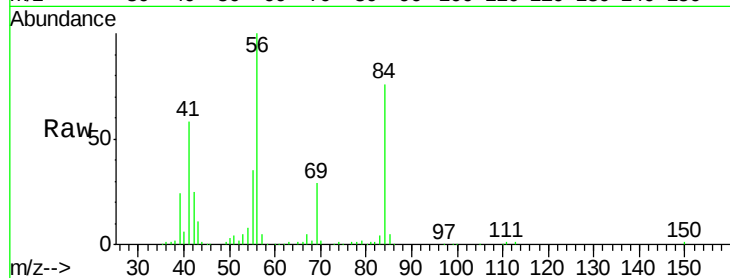
ClientSampleId :

VX0402WBS03

Tot Ion:	56	Resp:	75649
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.2	34.8
84	74.6	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.084 ug/l

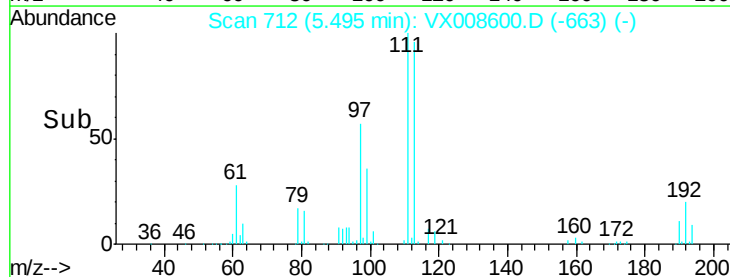
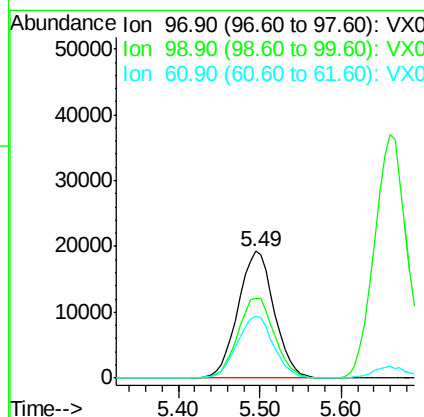
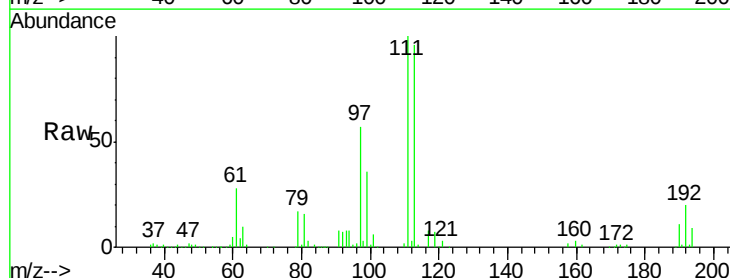
RT: 5.49 min Scan# 712

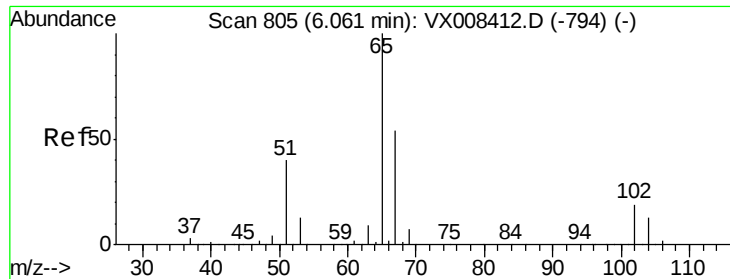
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	97	Resp:	59246
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	49.4	38.8	58.2





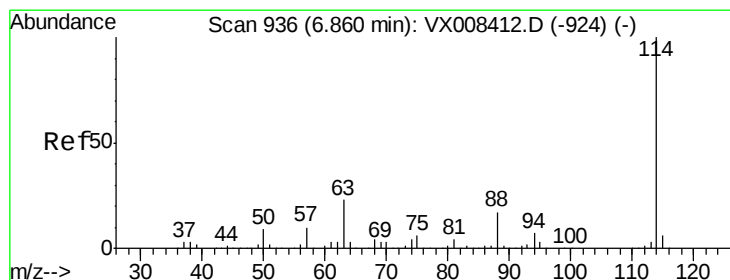
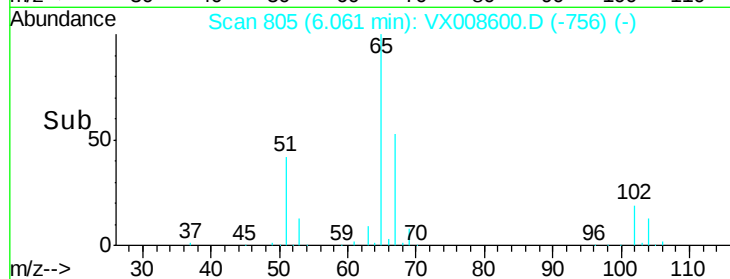
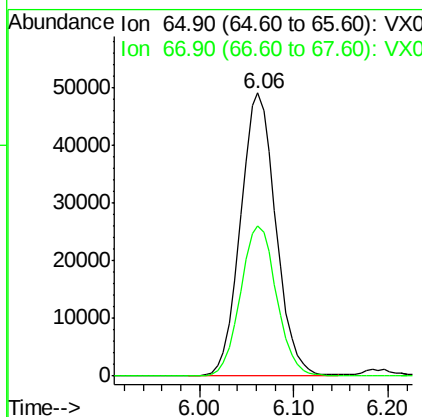
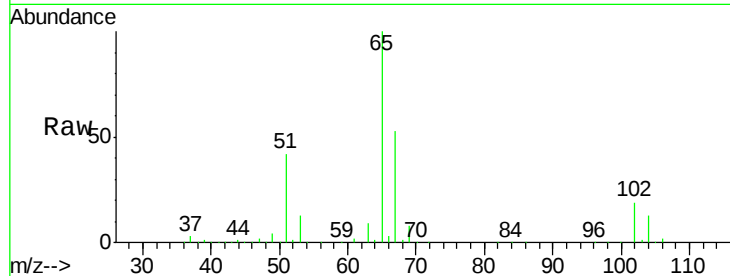
#33
 1,2-Dichloroethane-d4
 Concen: 47.733 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128991		
67	54.3	0.0	109.4	

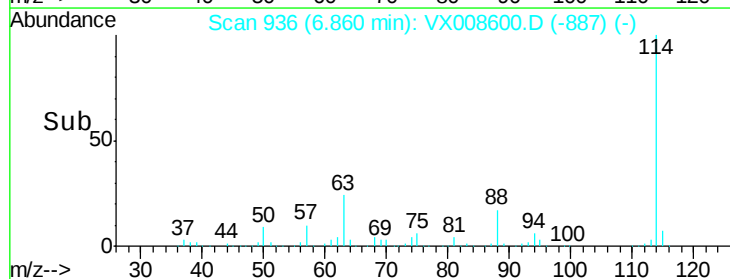
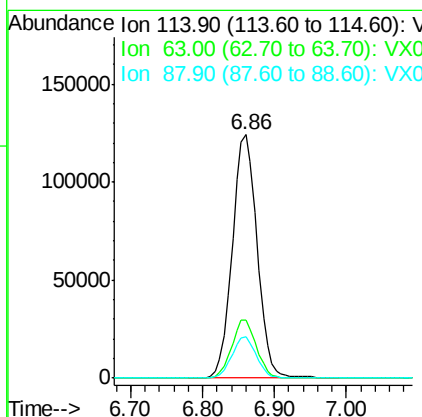
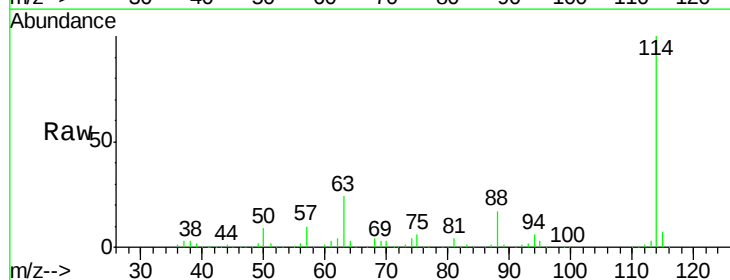
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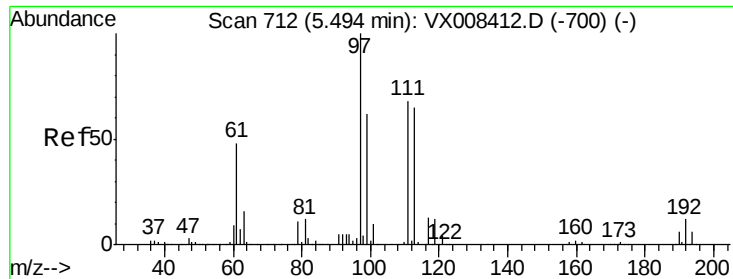
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297332		
63	23.6	0.0	46.4	
88	16.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.213 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

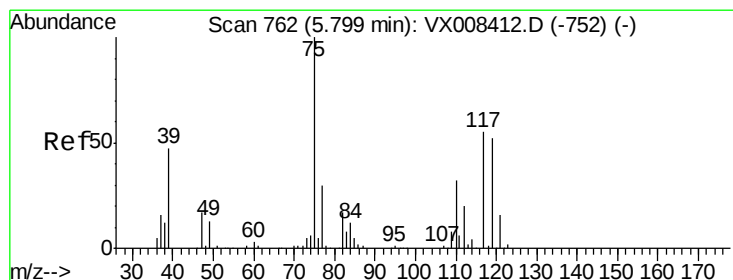
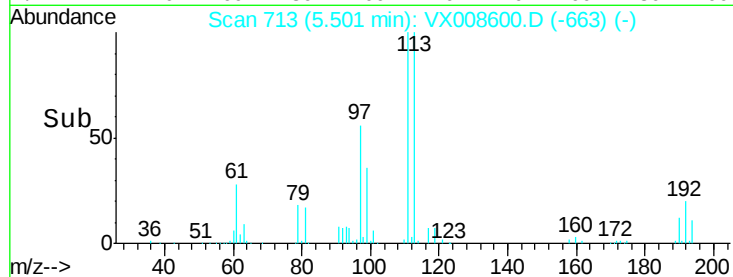
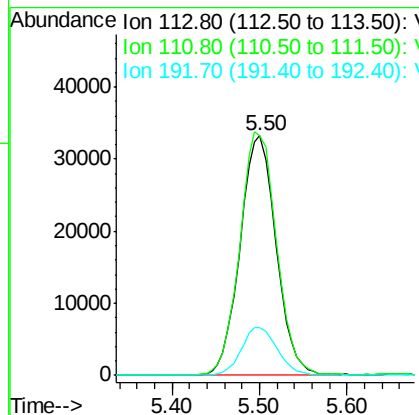
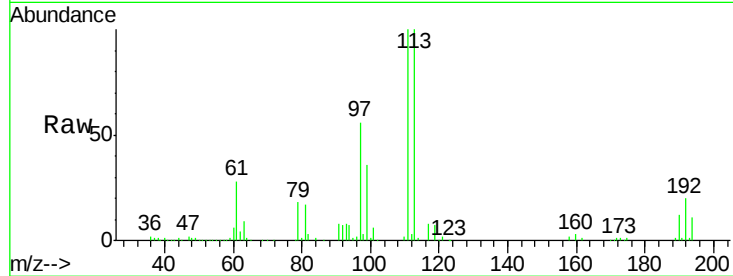
ClientSampled :

VX0402WBS03

Tot Ion:	113	Resp:	95412
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.0	124.4
192	20.1	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 17.465 ug/l

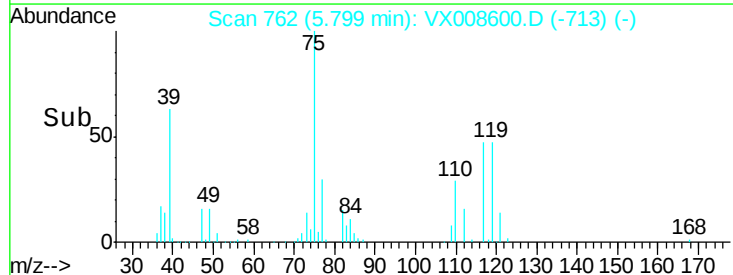
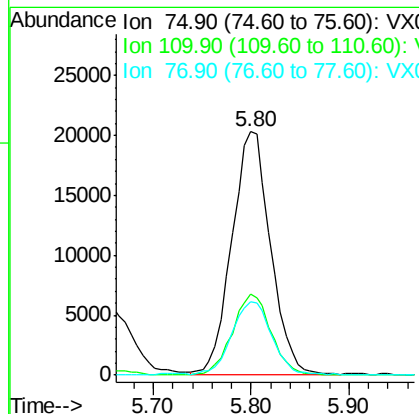
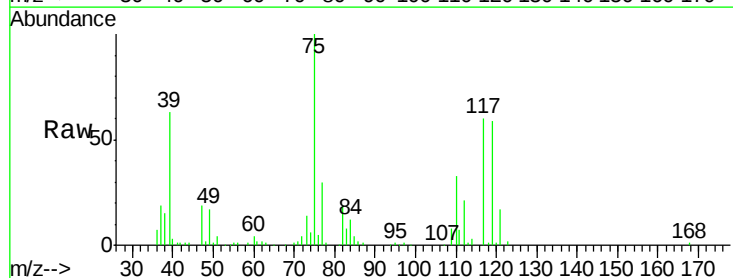
RT: 5.80 min Scan# 762

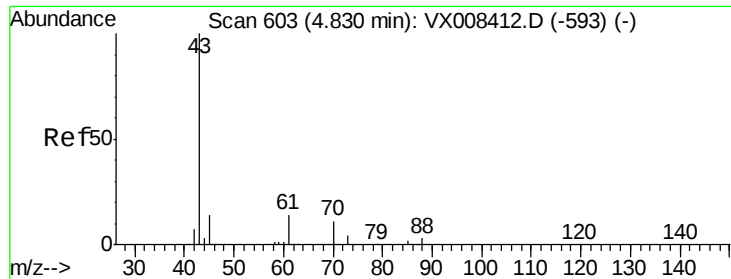
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	75	Resp:	55369
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.6	49.7
77	31.6	24.2	36.2





#37

Ethyl Acetate

Concen: 20.062 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

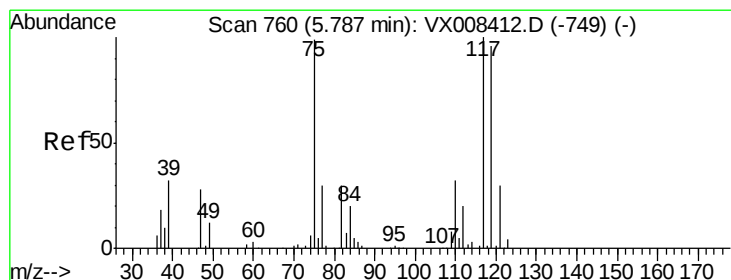
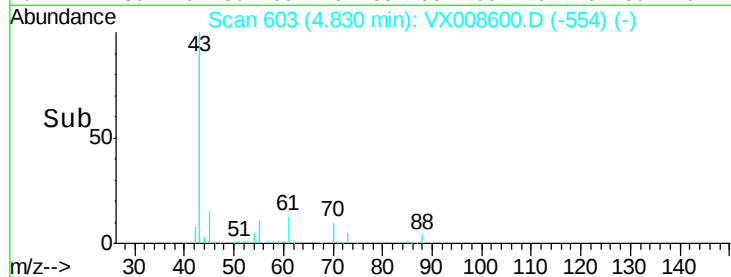
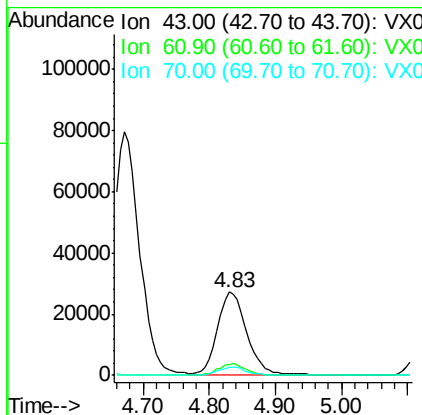
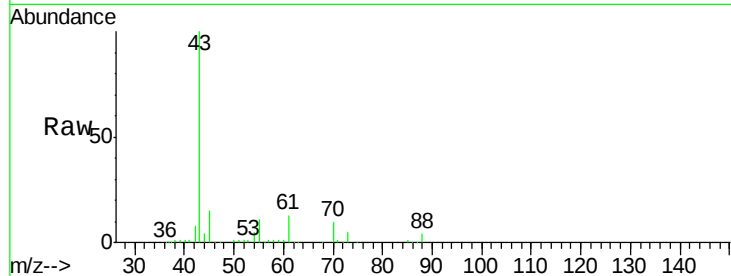
ClientSampled :

VX0402WBS03

Tot Ion:	43	Resp:	82395
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.7	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.325 ug/l

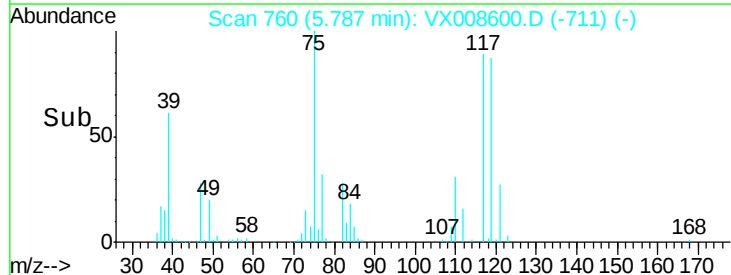
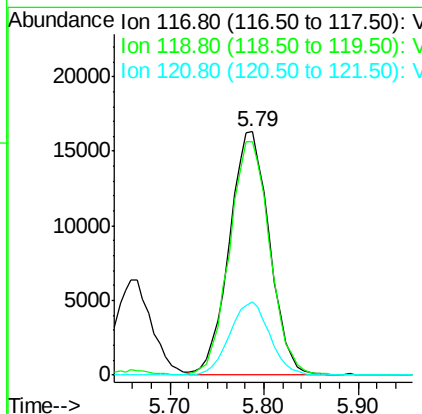
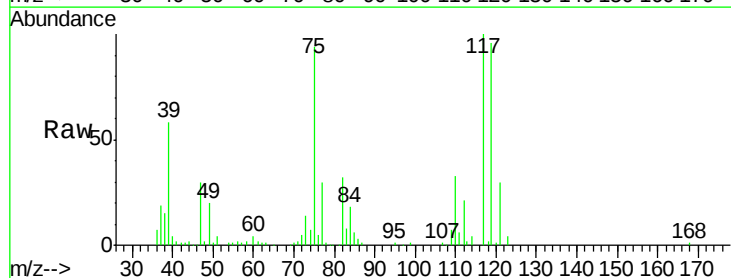
RT: 5.79 min Scan# 760

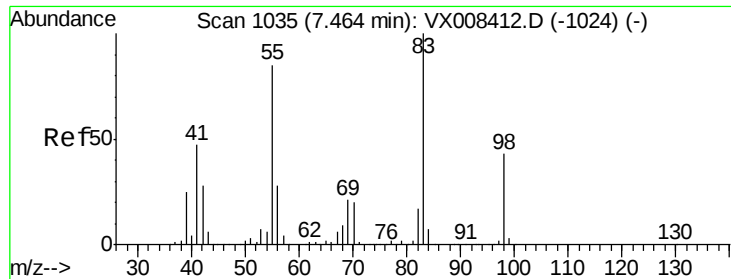
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	117	Resp:	48483
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	29.9	24.3	36.5





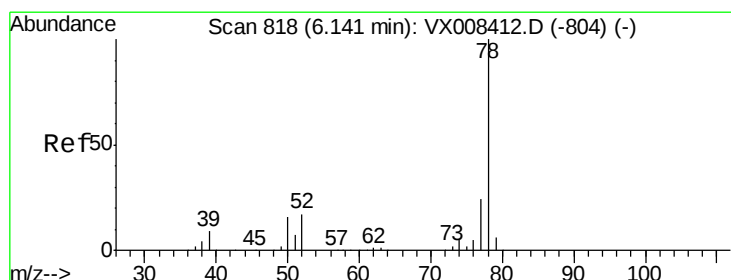
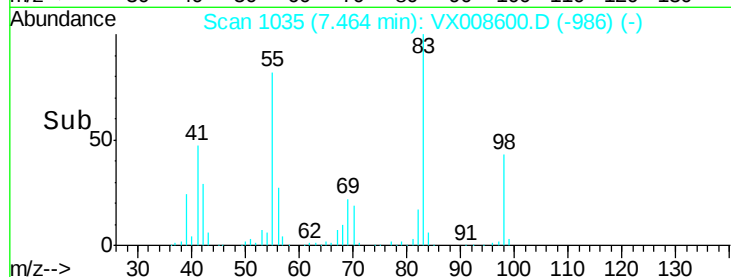
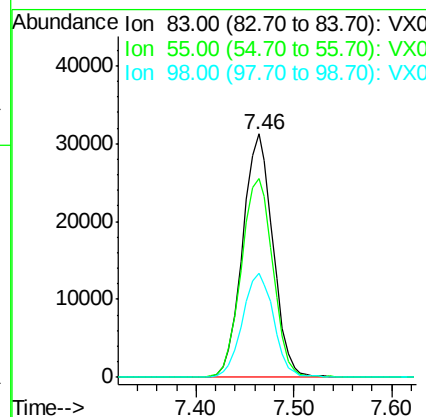
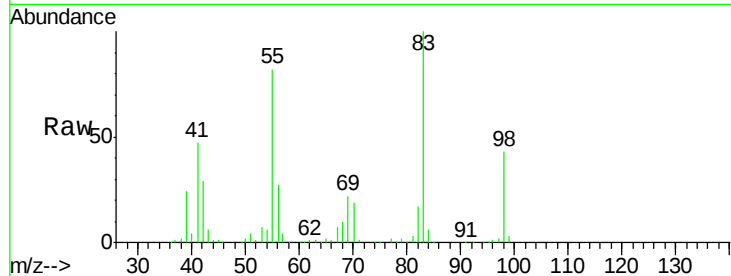
#39
Methylvlcvclohexane
Concen: 17.746 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	83	Resp	67233
Ion Ratio	Lower	Upper	
83	100		
55	81.7	68.2	102.4
98	42.6	34.2	51.4

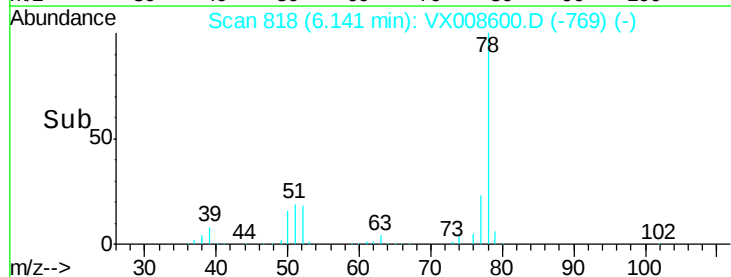
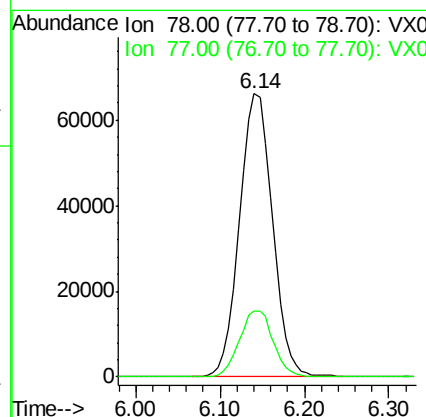
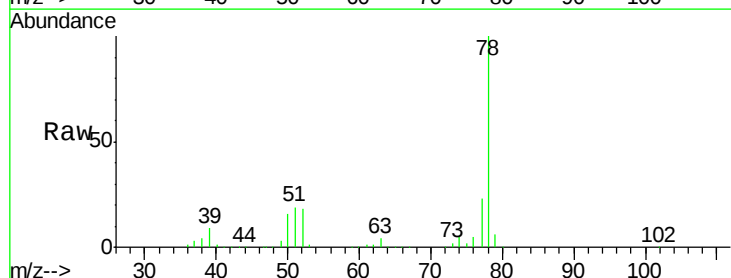
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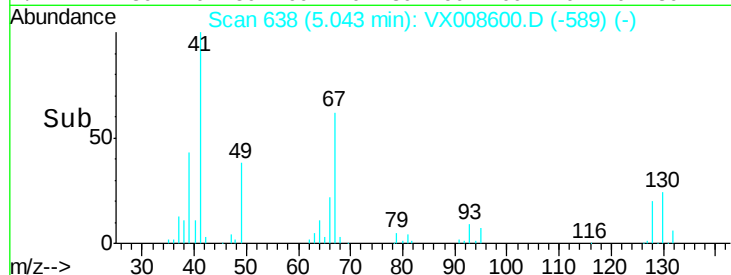
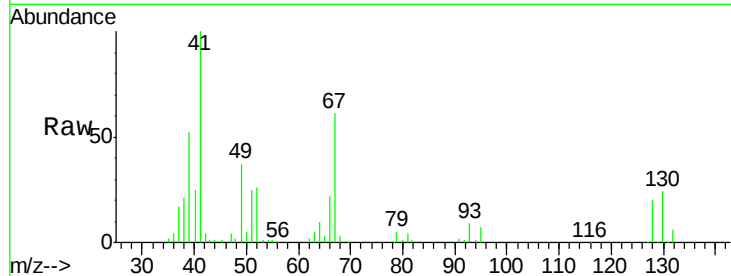
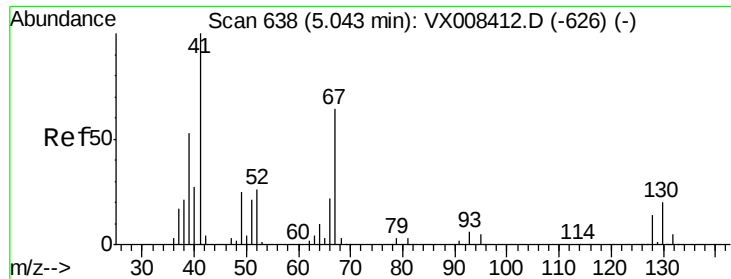
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#40
Benzene
Concen: 18.467 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	78	Resp	175268
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.3	28.9





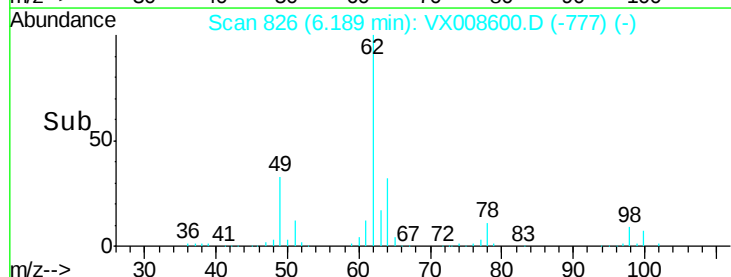
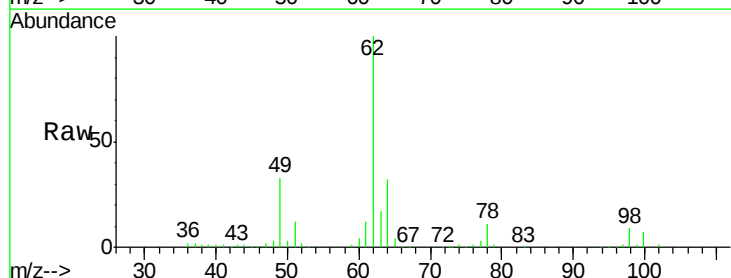
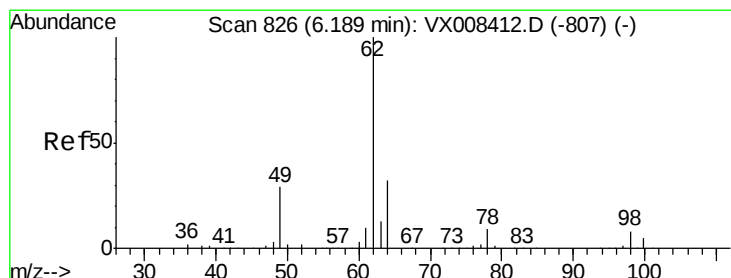
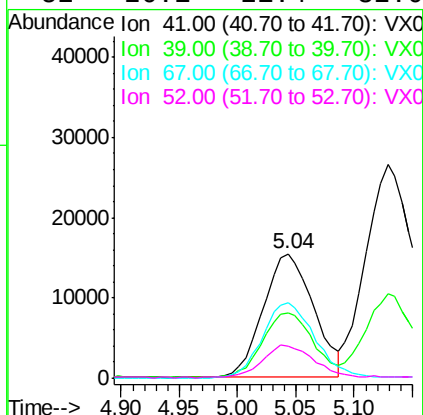
#41
Methacrylonitrile
Concen: 20.097 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46383		
39	52.5	42.6	64.0		
67	64.1	52.2	78.4		
52	26.1	21.4	32.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

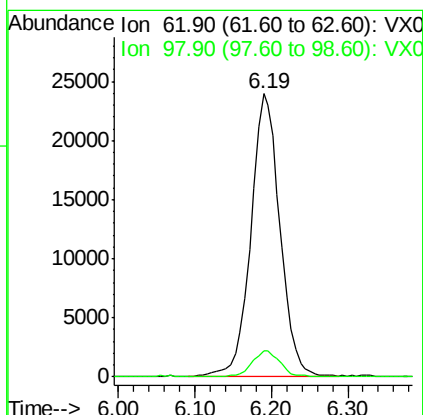
Manual Integrations
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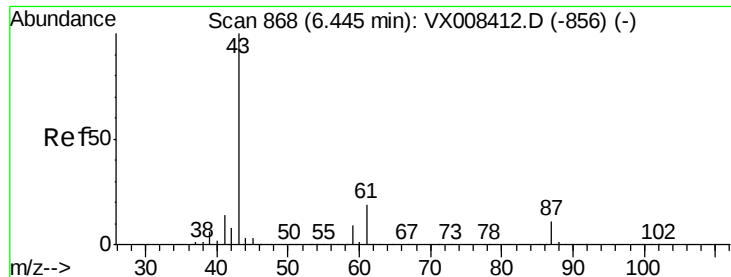
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#42
1,2-Dichloroethane
Concen: 18.157 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63094		
98	9.0	0.0	17.6		





#43

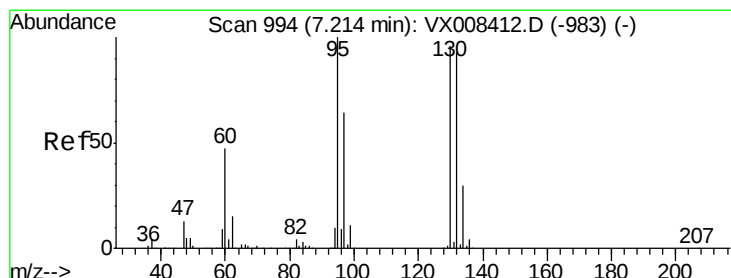
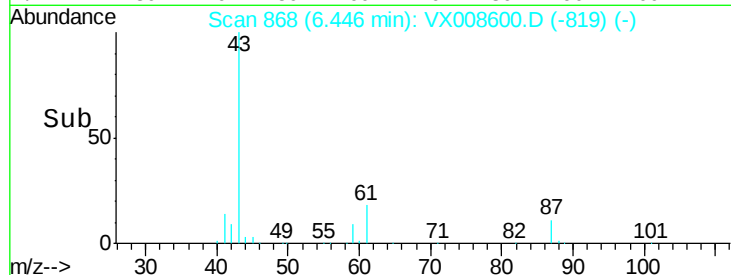
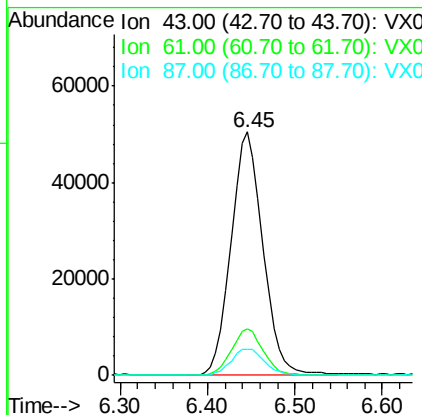
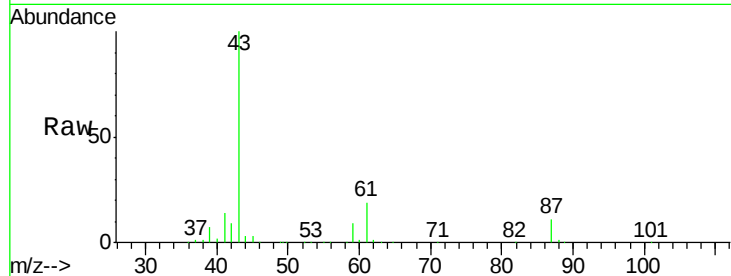
Isopropyl Acetate
 Concen: 19.345 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.2
87	11.6	9.1	13.7

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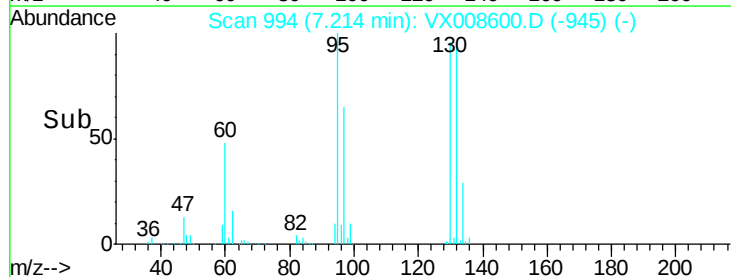
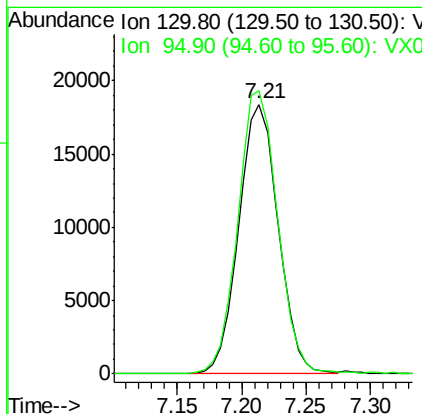
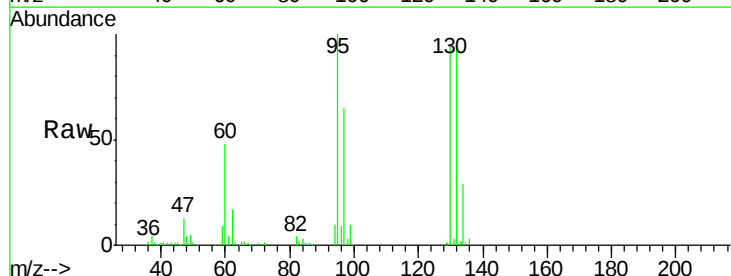
MMDadoda
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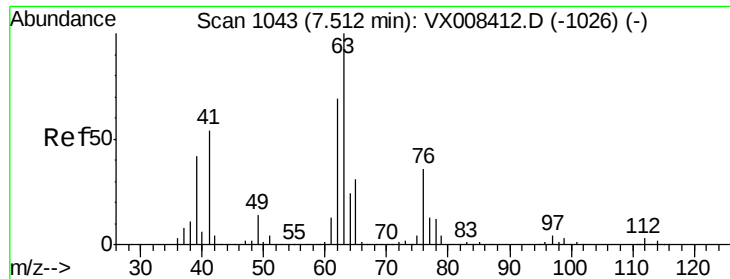


#44

Trichloroethene
 Concen: 17.466 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	208.8





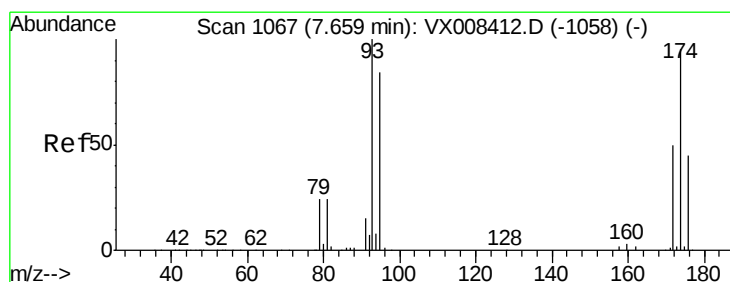
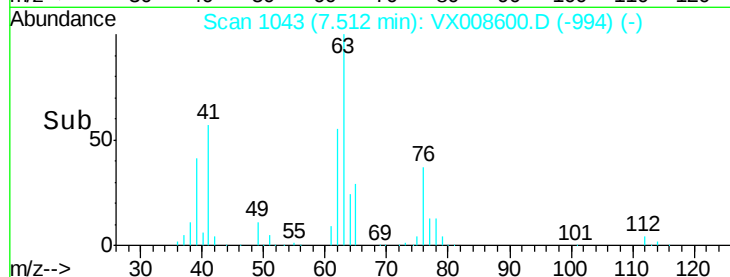
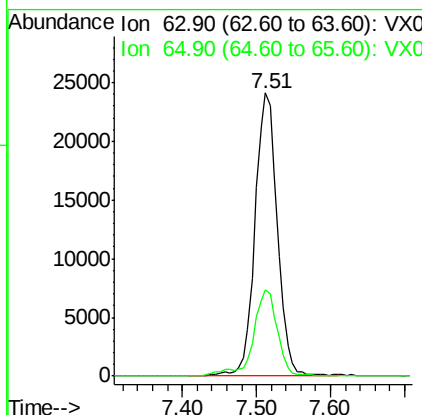
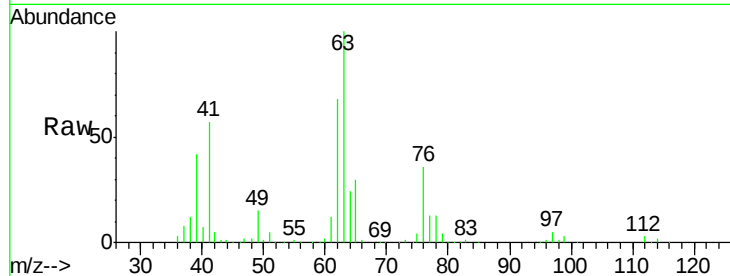
#45
 1,2-Dichloropropane
 Concen: 18.910 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS03

Tot Ion: 63 Resp: 51013
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.1 37.7

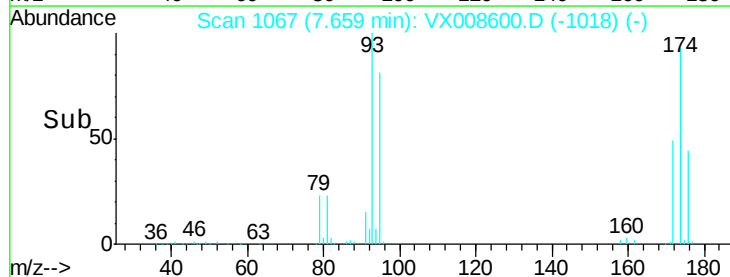
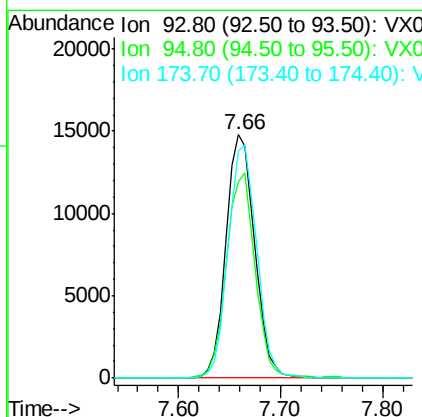
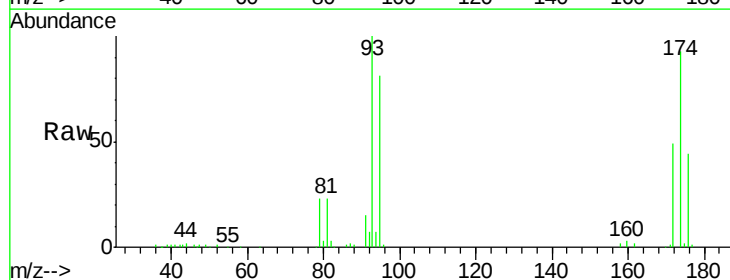
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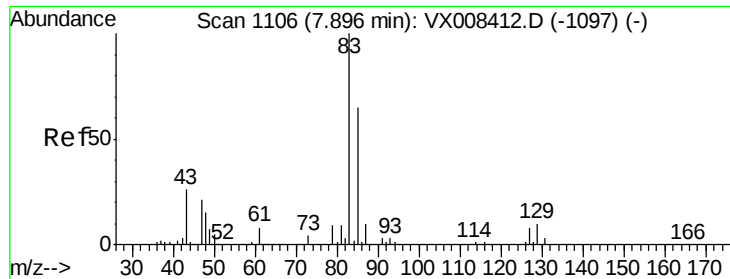
MMDadoda
 4/3/2019 10:51:42 AM



#46
 Dibromomethane
 Concen: 18.273 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion: 93 Resp: 28785
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.6
 174 95.5 76.0 114.0





#47

Bromodichloromethane

Concen: 18.684 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

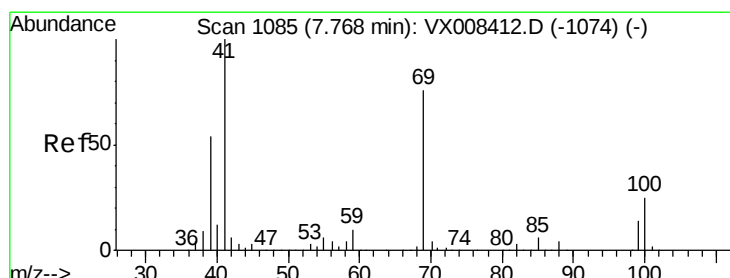
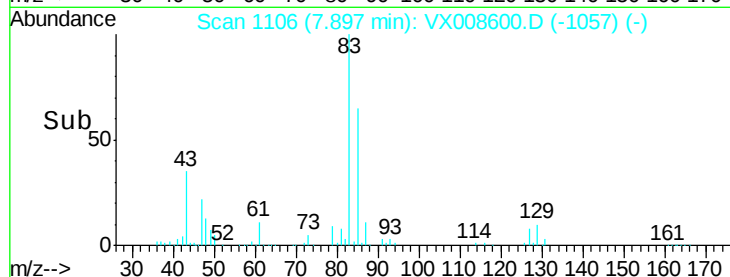
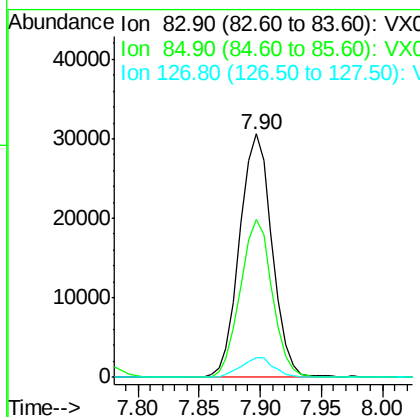
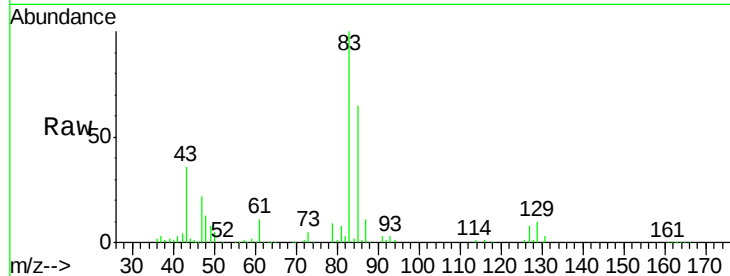
ClientSampleId :

VX0402WBS03

Tot Ion:	83	Resp:	56336
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.0	78.0
127	8.1	6.4	9.6

Manual Integrations
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MMDadoda
4/3/2019 10:51:42 AM



#48

Methyl methacrylate

Concen: 19.465 ug/l

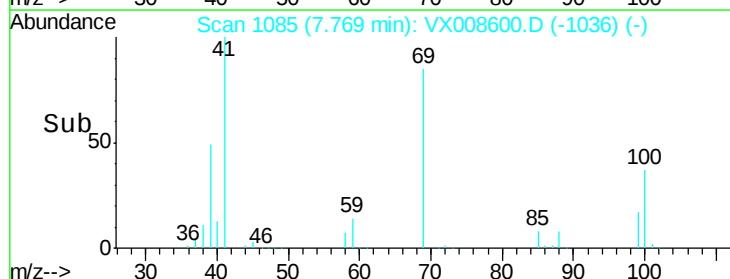
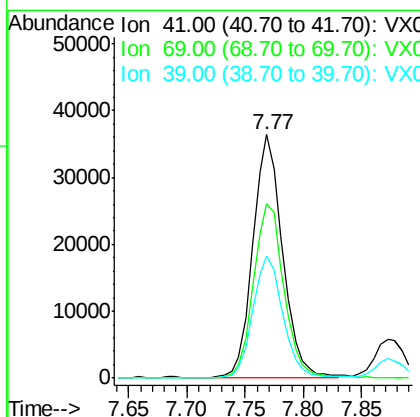
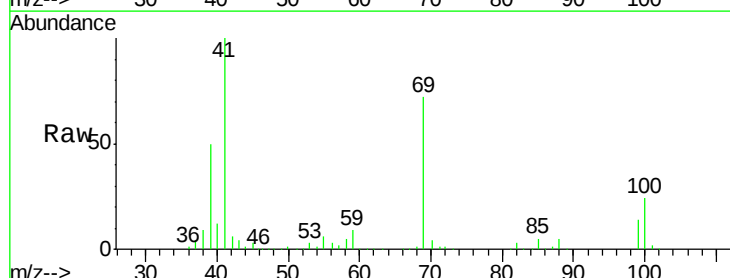
RT: 7.77 min Scan# 1085

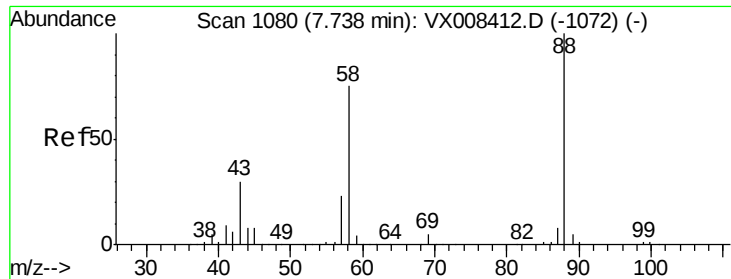
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	41	Resp:	63980
Ion	Ratio	Lower	Upper
41	100		
69	74.7	60.8	91.2
39	52.0	42.3	63.5





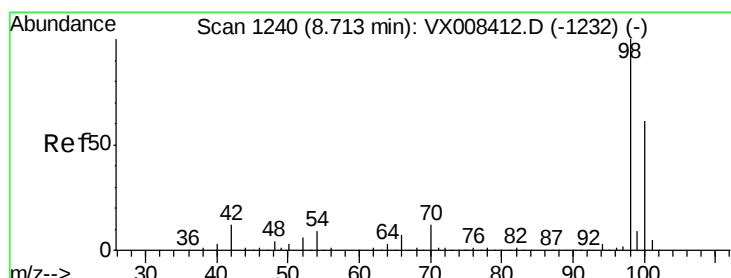
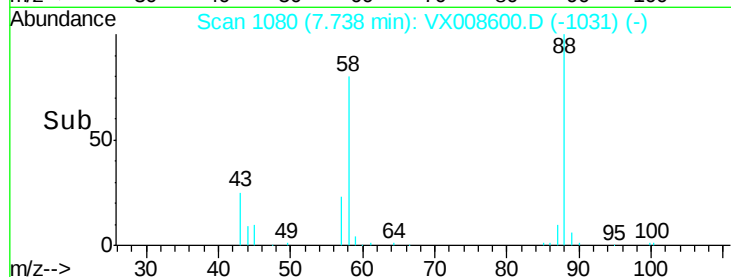
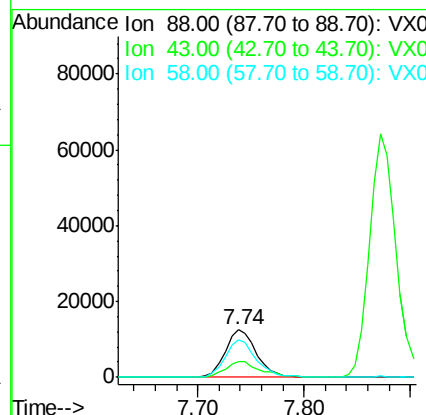
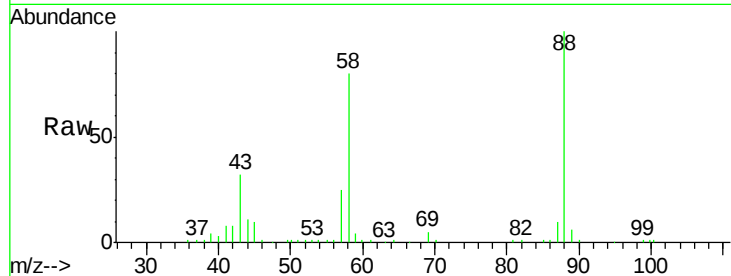
#49
1,4-Dioxane
Concen: 392.318 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	43.0
58	79.8	63.0	94.4

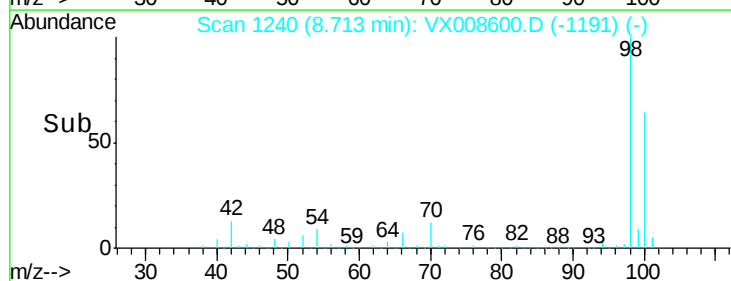
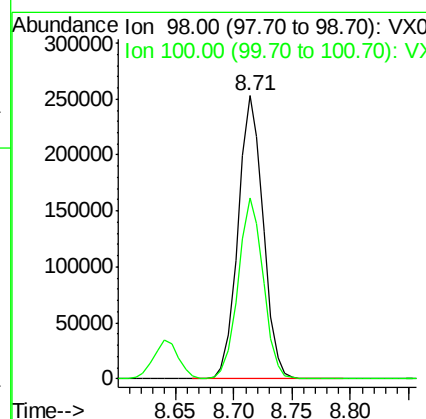
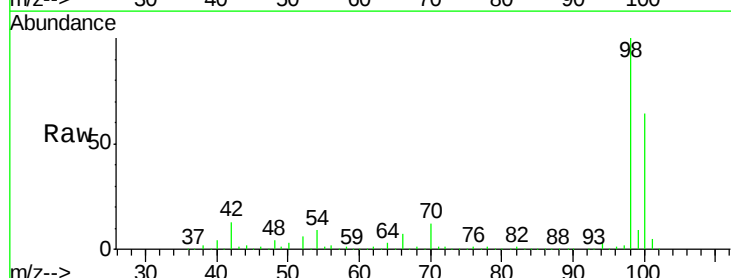
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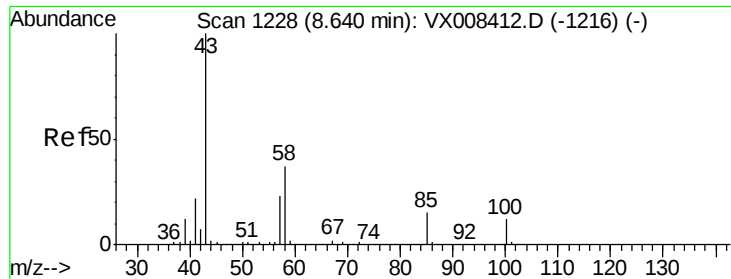
MMDadoda
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#50
Toluene-d8
Concen: 49.256 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 101.033 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion: 43 Resp: 431074

Ion Ratio Lower Upper

43 100

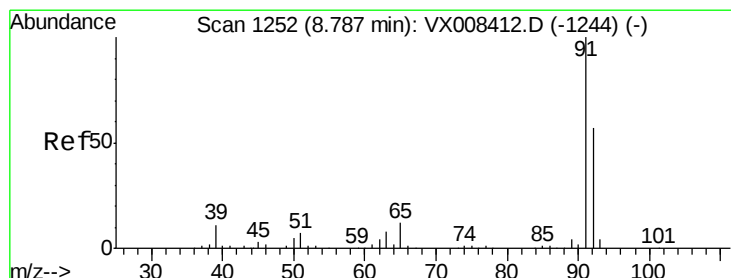
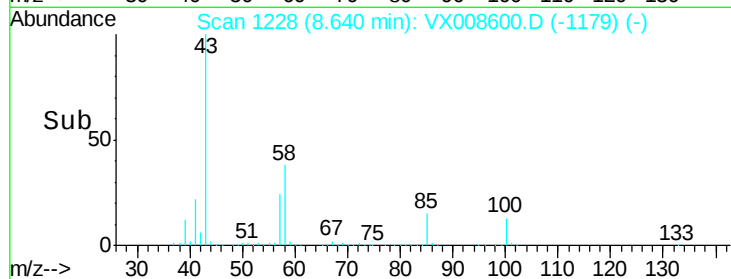
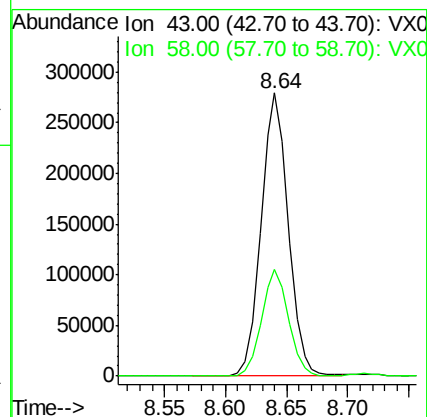
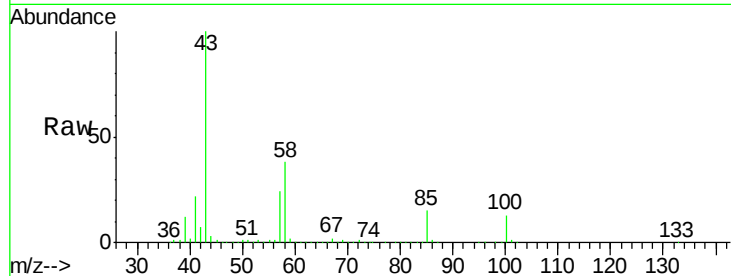
58 37.4 29.8 44.8

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4/3/2019 10:51:42 AM



#52

Toluene

Concen: 18.761 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008600.D

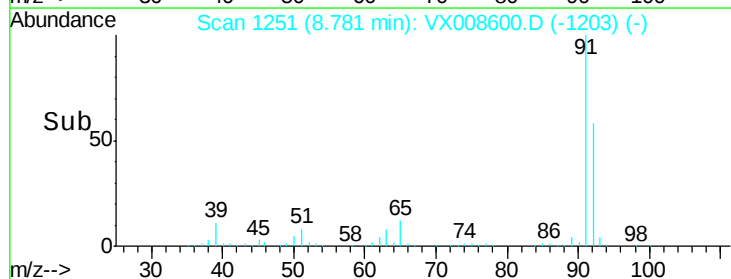
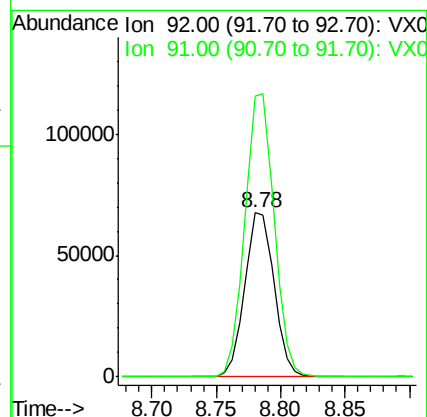
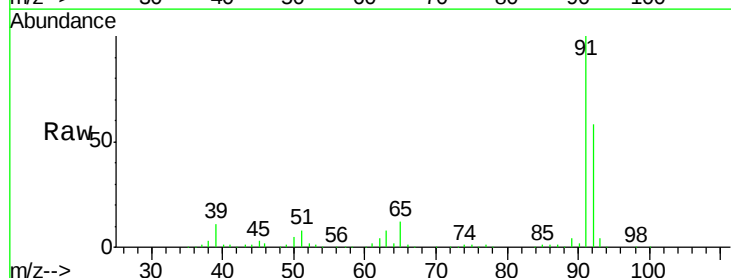
Acq: 02 Apr 2019 19:02

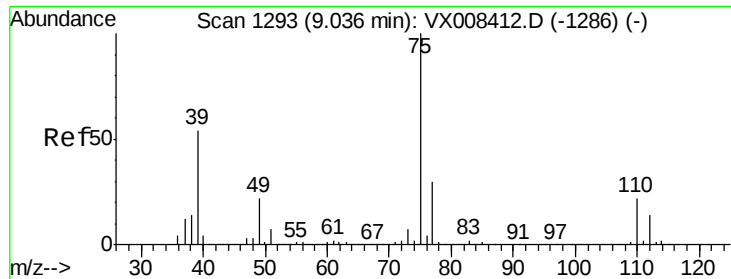
Tgt Ion: 92 Resp: 106467

Ion Ratio Lower Upper

92 100

91 172.6 140.2 210.4





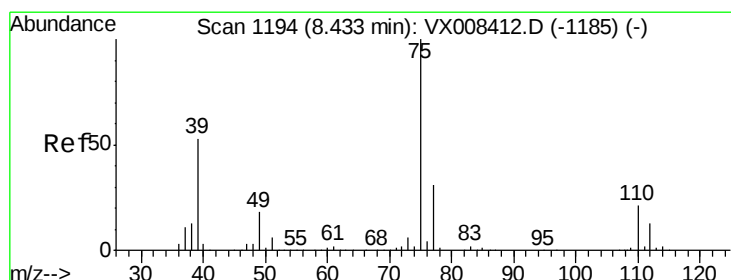
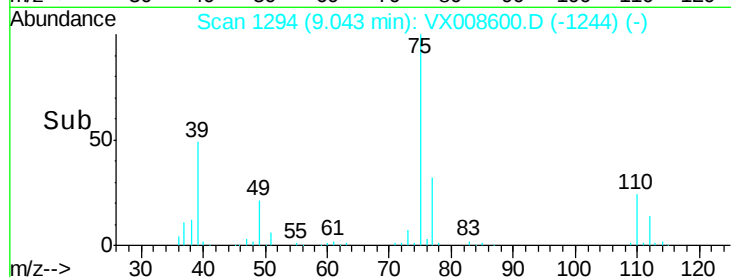
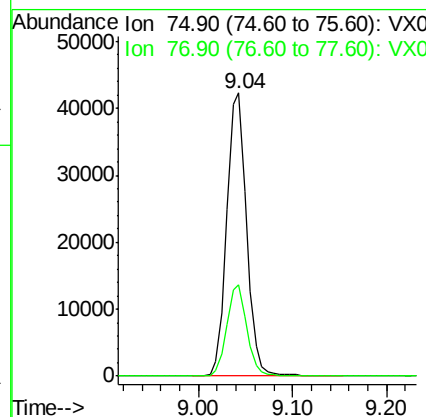
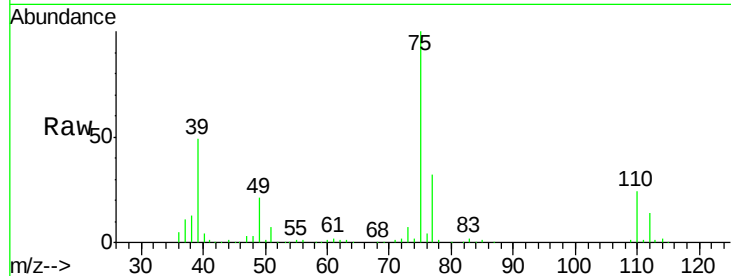
#53
t-1,3-Dichloropropene
Concen: 18.686 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion: 75 Resp: 61714
Ion Ratio Lower Upper
75 100
77 32.2 24.3 36.5

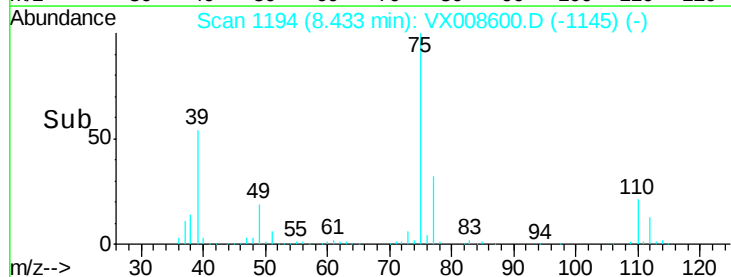
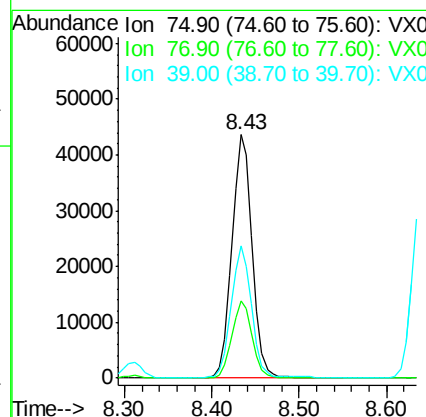
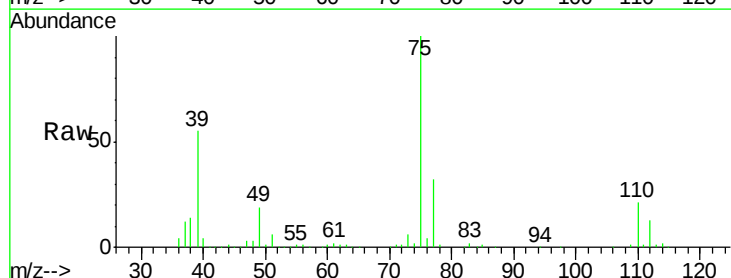
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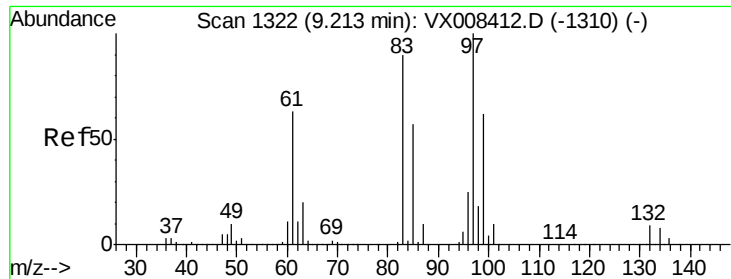
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#54
cis-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion: 75 Resp: 70220
Ion Ratio Lower Upper
75 100
77 31.8 24.7 37.1
39 54.3 42.4 63.6





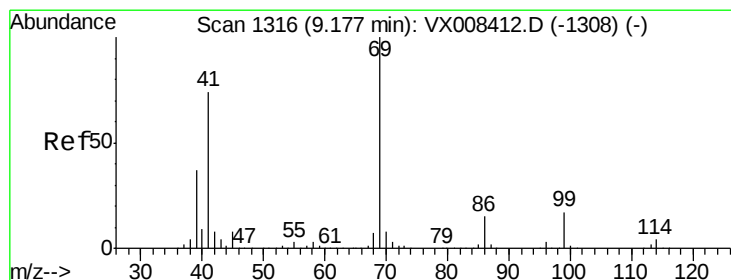
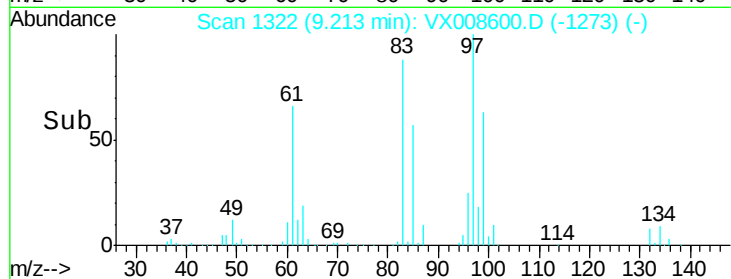
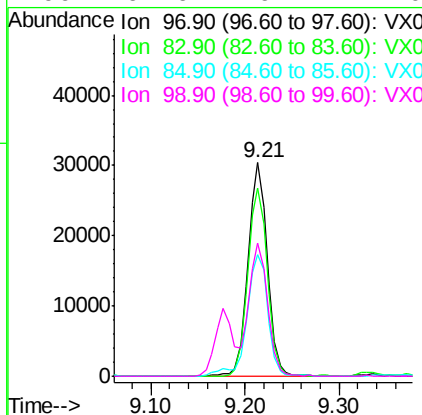
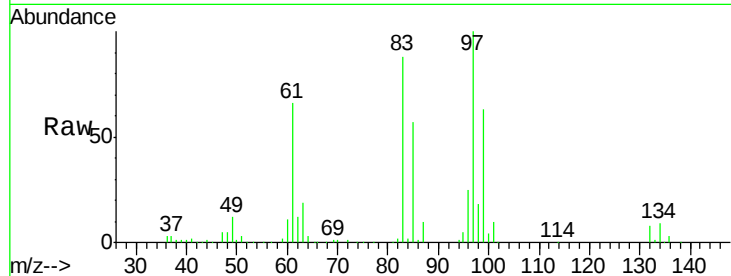
#55
 1,1,2-Trichloroethane
 Concen: 18.983 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion:	97	Resp:	43852
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.8	107.6
85	57.1	45.9	68.9
99	62.6	49.4	74.0

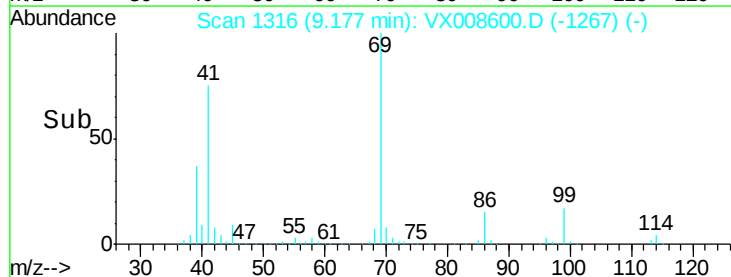
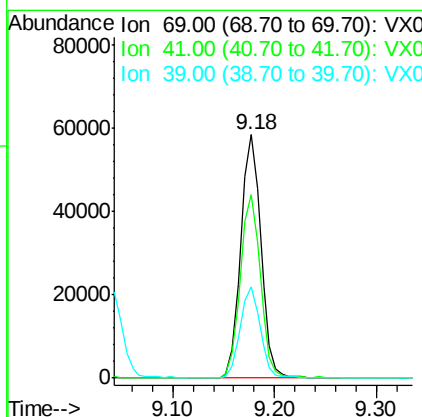
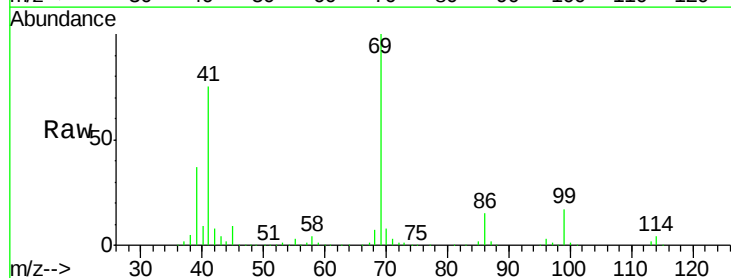
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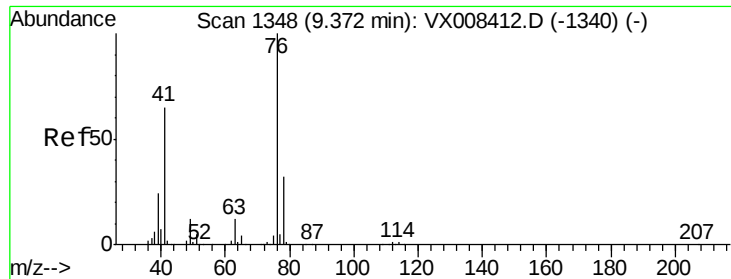
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 4/3/2019 10:51:42 AM



#56
 Ethyl methacrylate
 Concen: 19.116 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion:	69	Resp:	79709
Ion	Ratio	Lower	Upper
69	100		
41	74.9	59.5	89.3
39	36.6	29.3	43.9





#57

1,3-Dichloropropane

Concen: 18.591 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion: 76 Resp: 77000

Ion Ratio Lower Upper

76 100

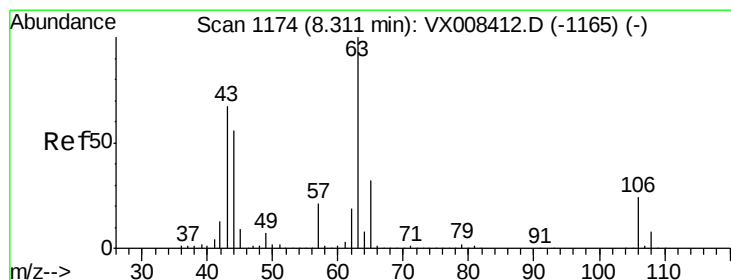
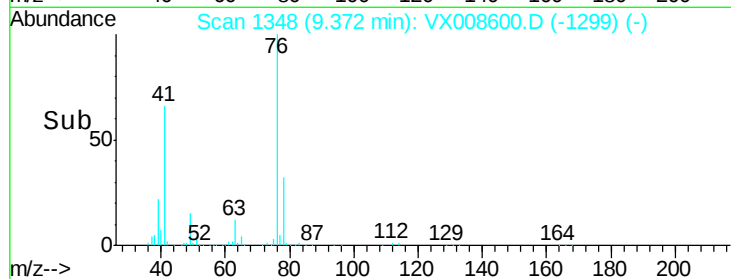
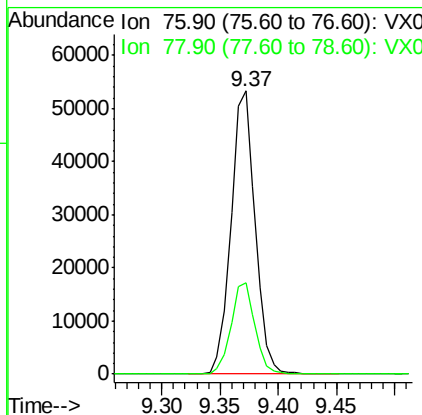
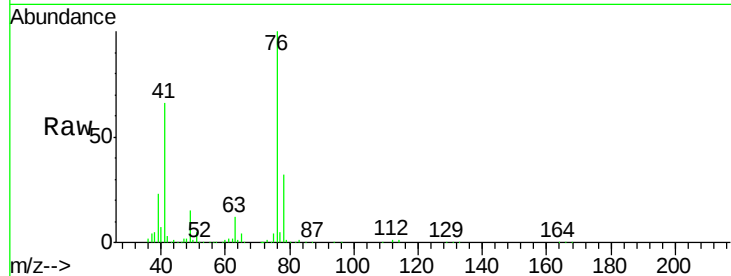
78 32.0 25.8 38.8

Manual Integrations

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4/3/2019 10:51:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.048 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008600.D

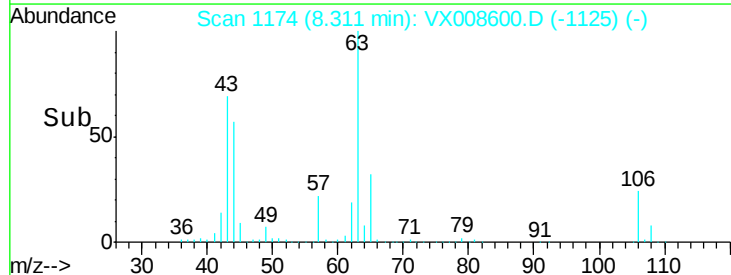
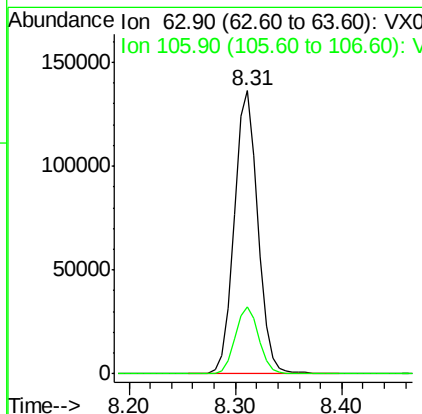
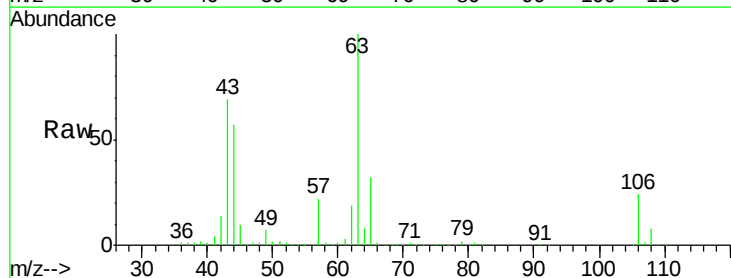
Acq: 02 Apr 2019 19:02

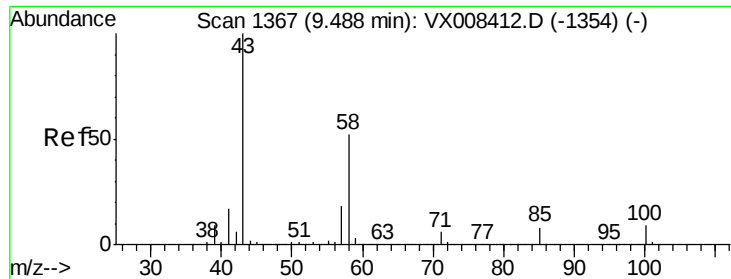
Tgt Ion: 63 Resp: 211339

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.6





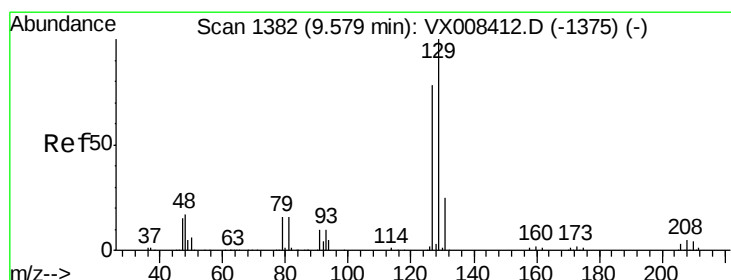
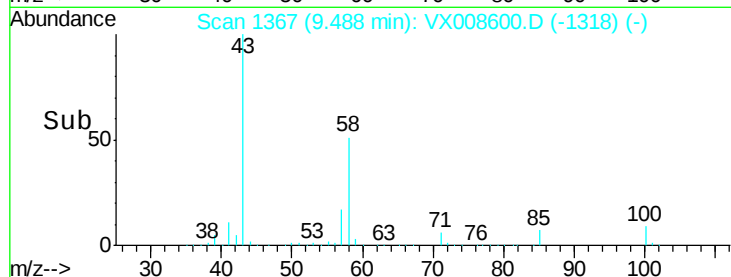
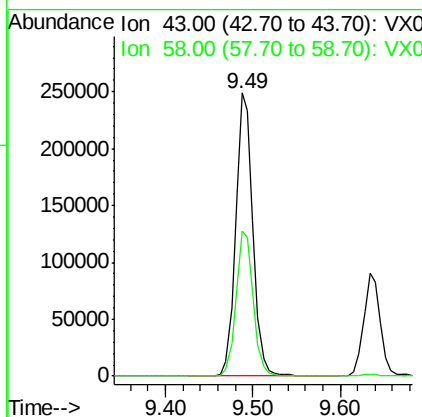
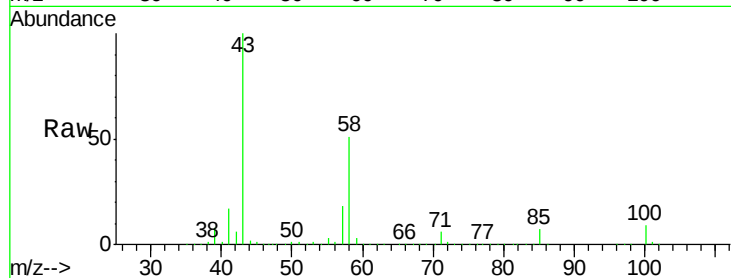
#59
2-Hexanone
Concen: 103.268 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS03

Tot Ion: 43 Resp: 341411
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9

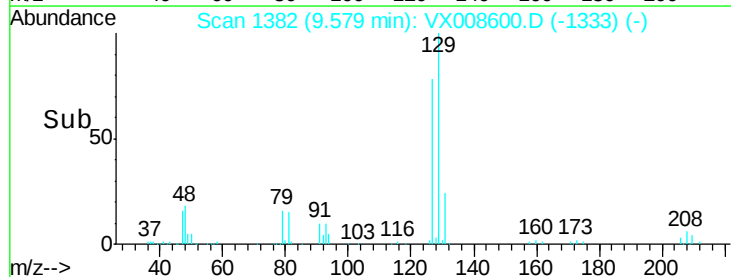
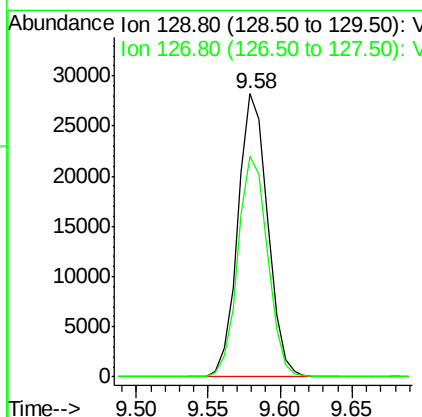
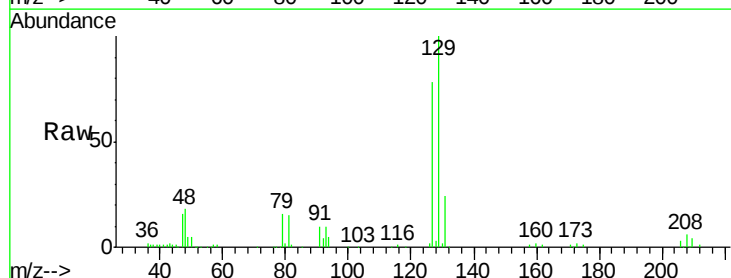
Manual Integrations
APPROVED

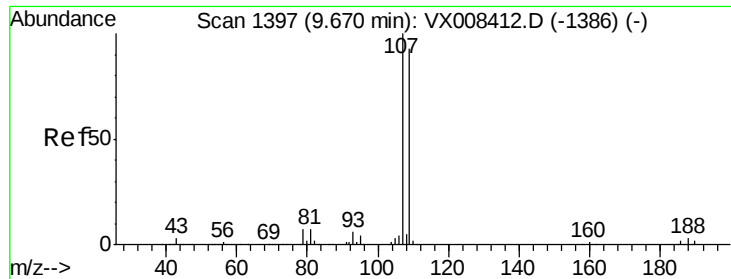
MMDadoda
4/3/2019 10:51:42 AM



#60
Dibromochloromethane
Concen: 18.461 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion: 129 Resp: 40556
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.021 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion:107 Resp: 44842

Ion Ratio Lower Upper

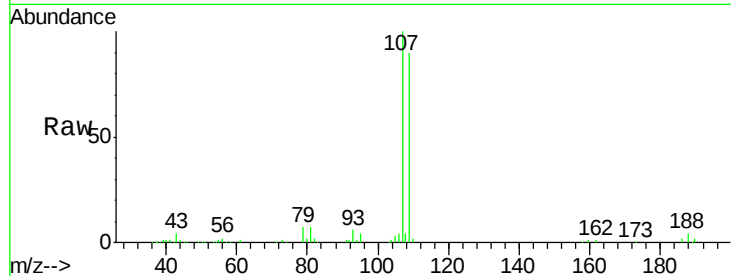
107 100

109 92.2 74.6 111.8

Manual Integrations
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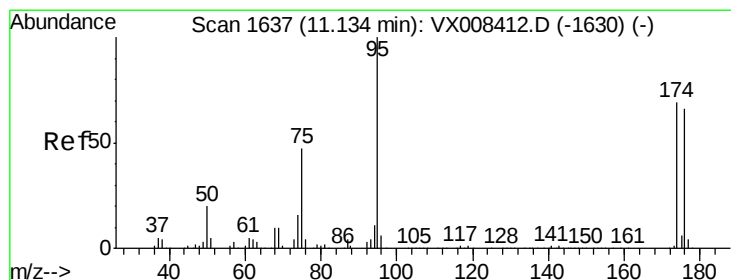
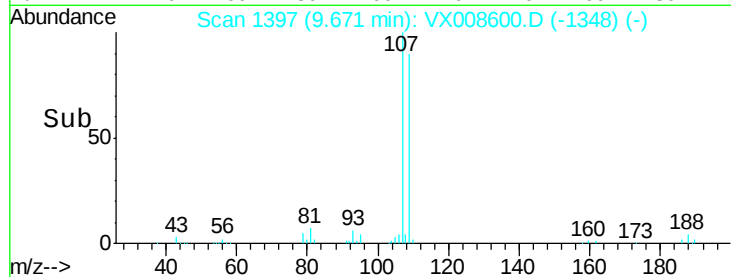
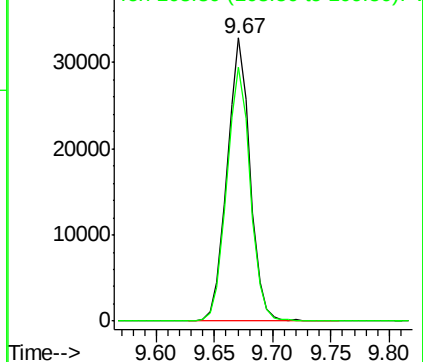
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.143 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

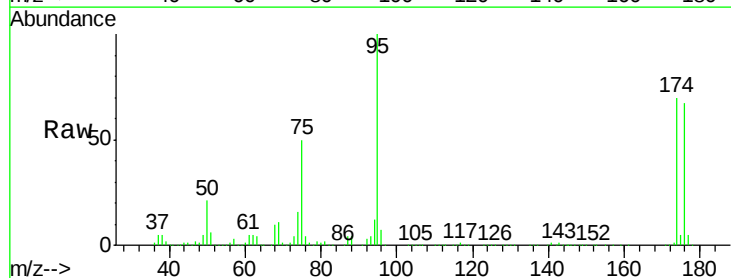
Tgt Ion: 95 Resp: 141172

Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.2

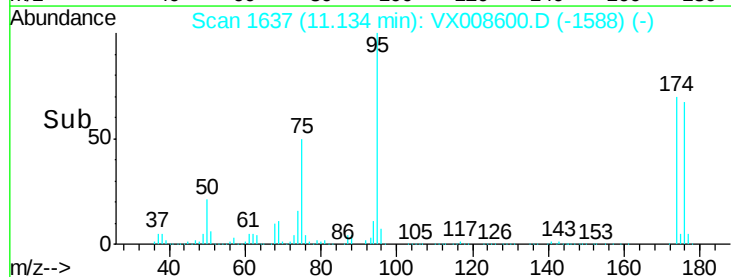
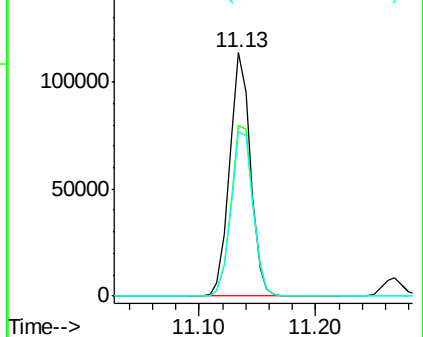
176 71.9 0.0 142.4

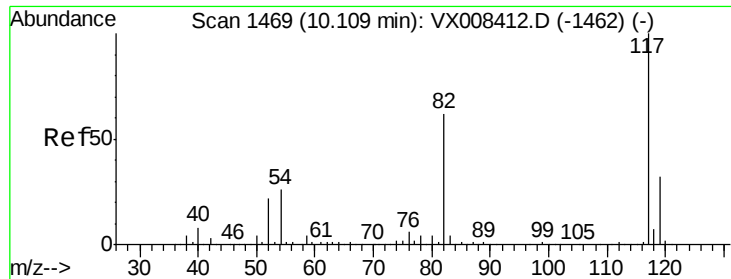


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





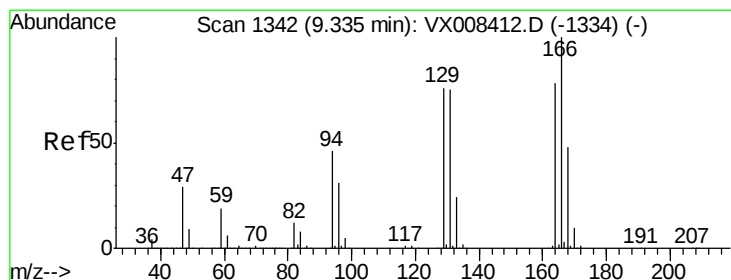
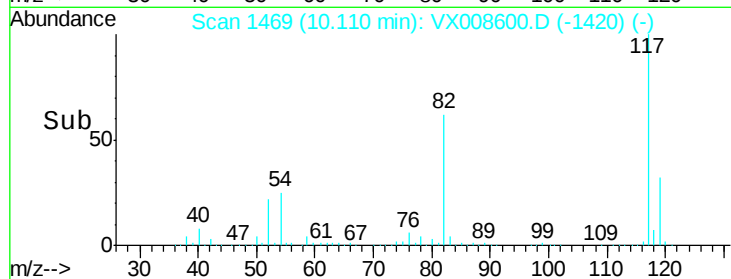
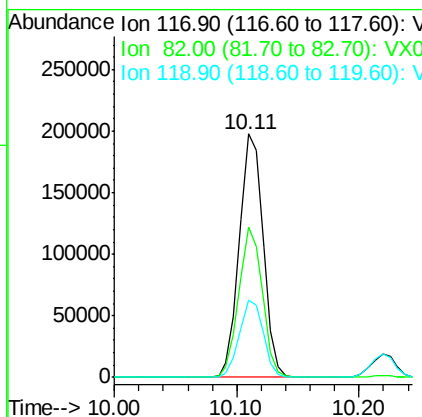
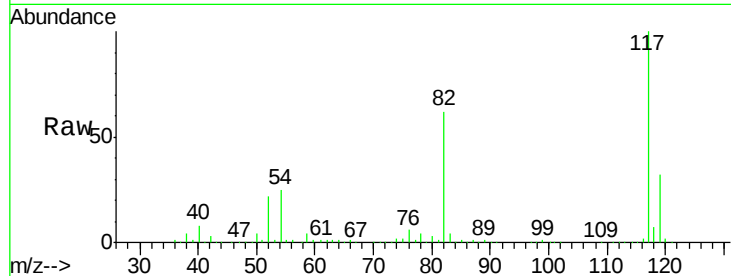
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.4	74.2
119	31.6	25.4	38.0

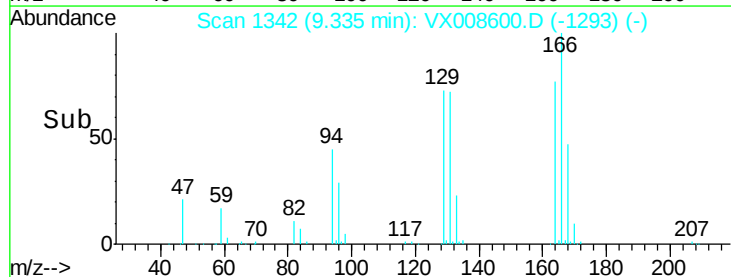
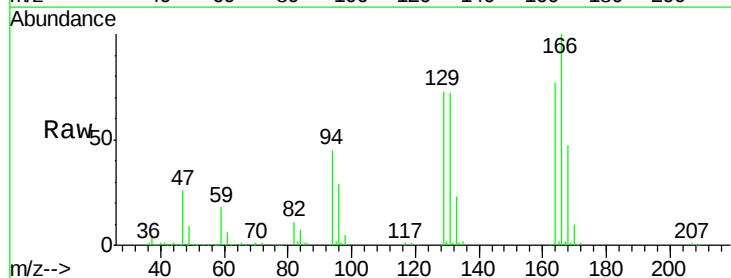
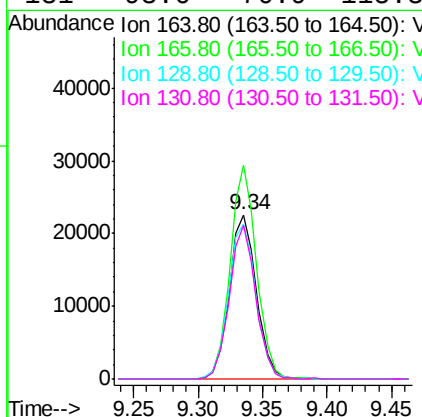
Manual Integrations
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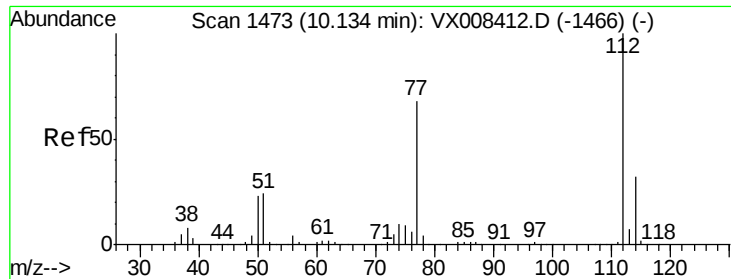
MMDadoda
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#64
Tetrachloroethene
Concen: 18.430 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.5	153.7
129	94.5	77.8	116.8
131	93.6	76.9	115.3





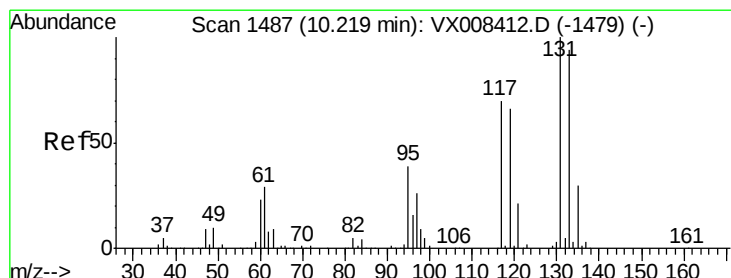
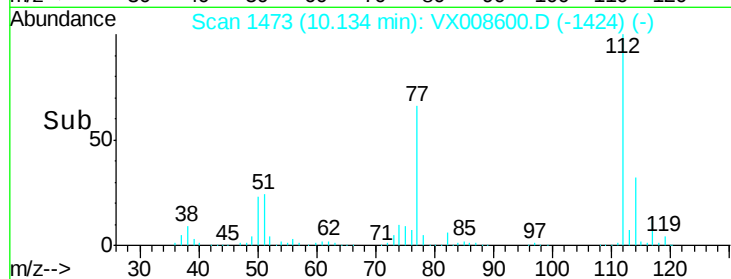
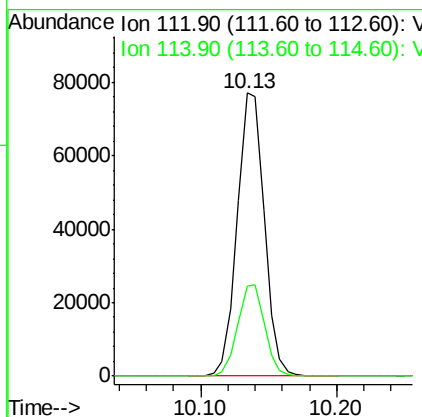
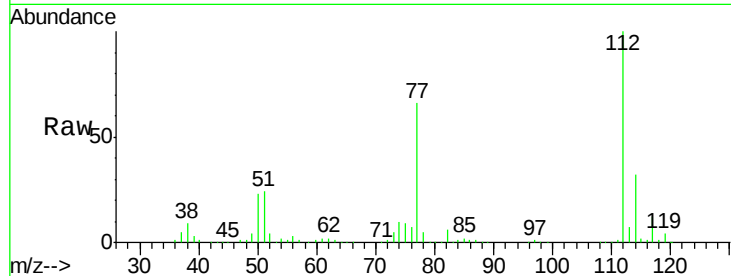
#65
Chlorobenzene
Concen: 18.493 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS03

Tot Ion:112 Resp: 107229
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

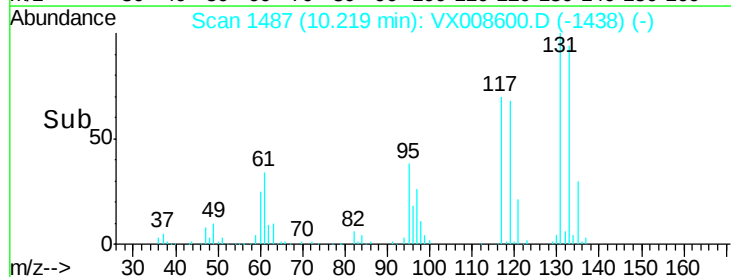
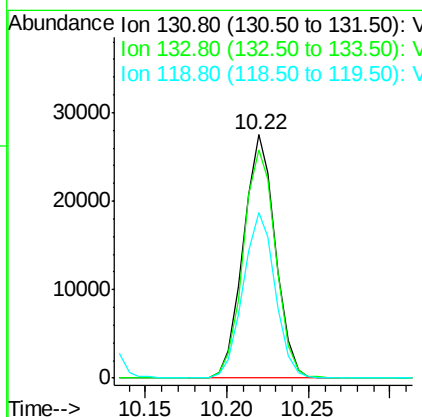
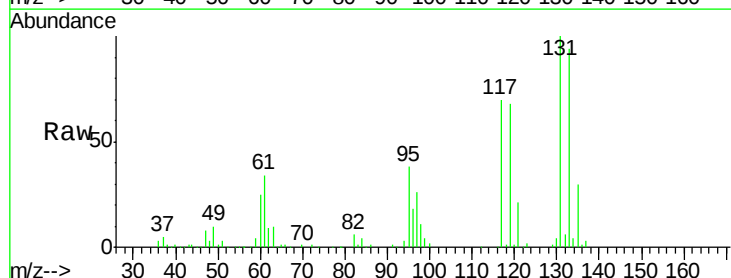
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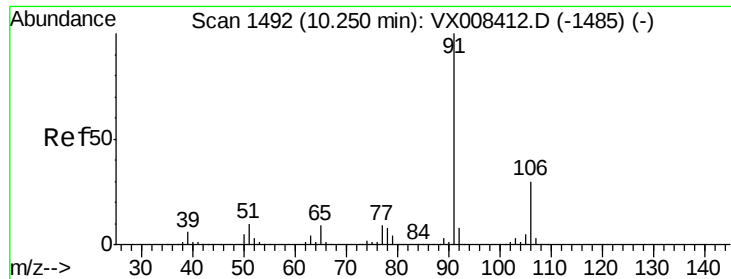
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.825 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion:131 Resp: 37659
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 68.0 33.6 100.6





#67

Ethyl Benzene

Concen: 18.220 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion: 91 Resp: 199384

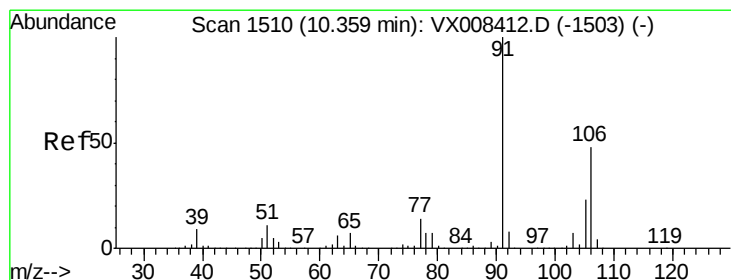
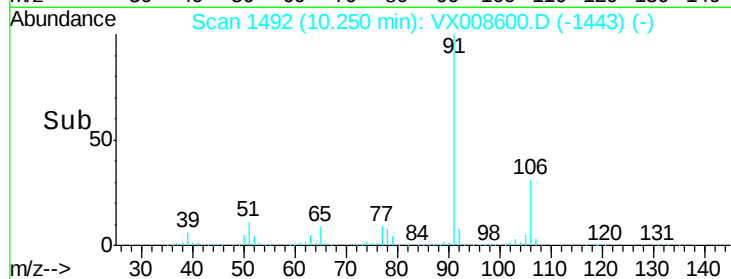
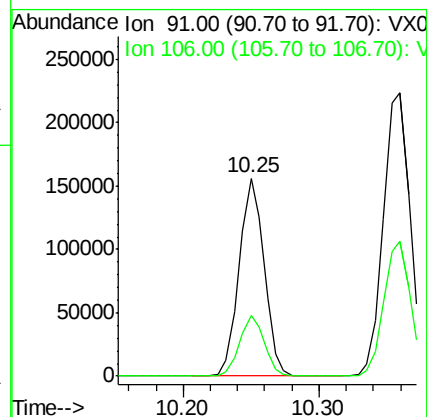
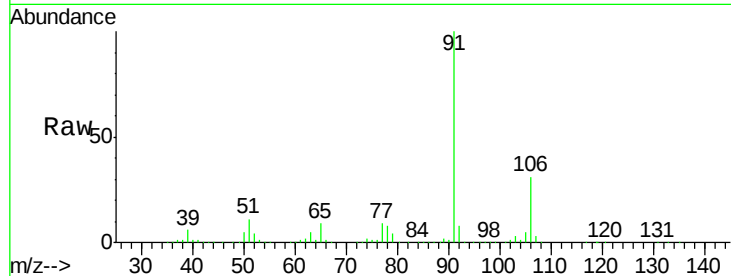
Ion Ratio Lower Upper

91 100

106 30.6 24.0 36.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 36.458 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008600.D

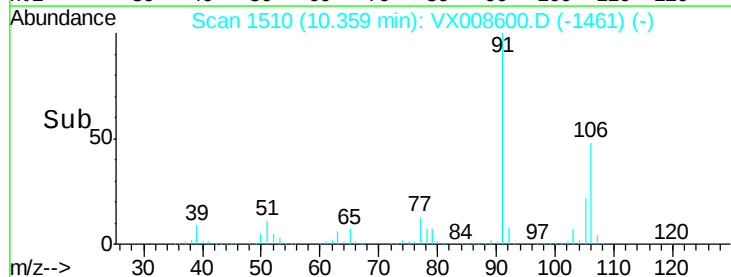
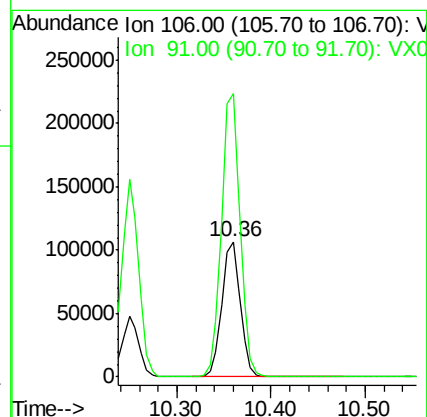
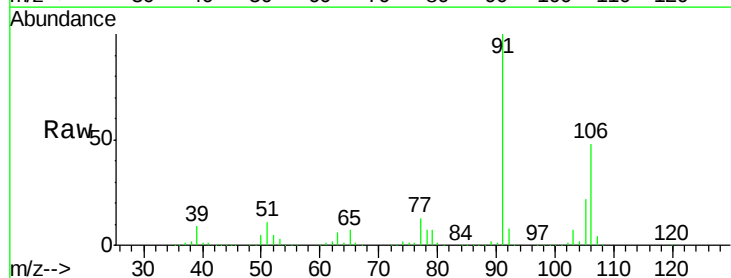
Acq: 02 Apr 2019 19:02

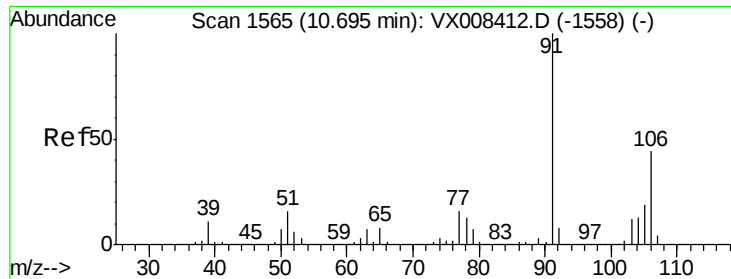
Tgt Ion: 106 Resp: 145145

Ion Ratio Lower Upper

106 100

91 211.9 168.6 253.0





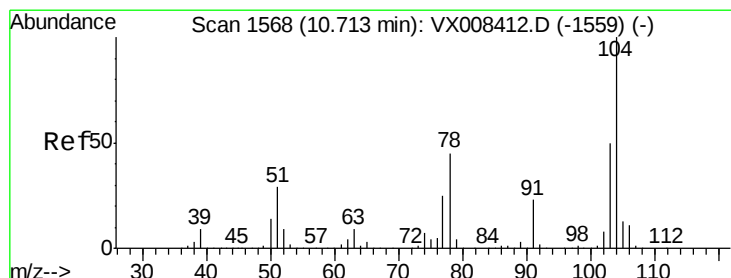
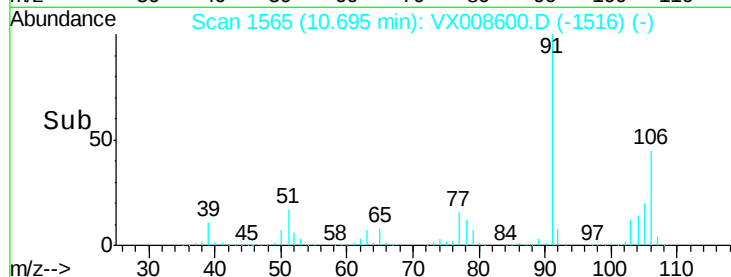
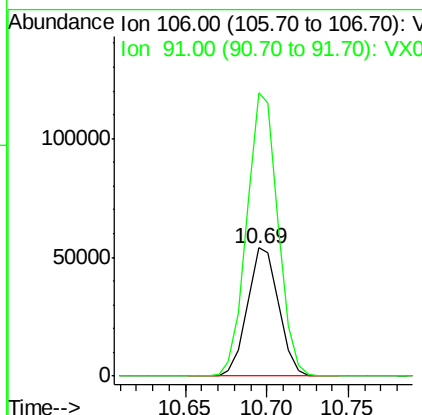
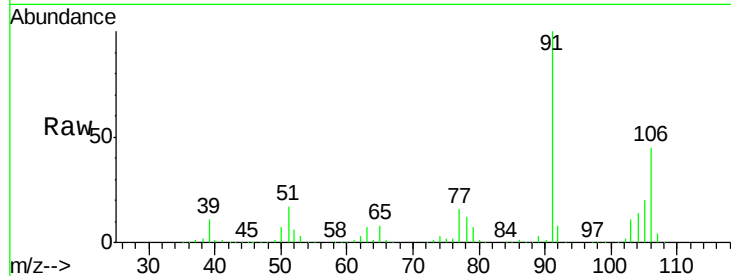
#69
o-Xylene
Concen: 18.708 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion:106 Resp: 72275
Ion Ratio Lower Upper
106 100
91 219.9 111.4 334.2

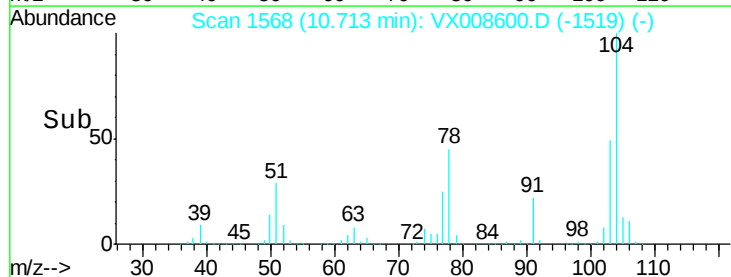
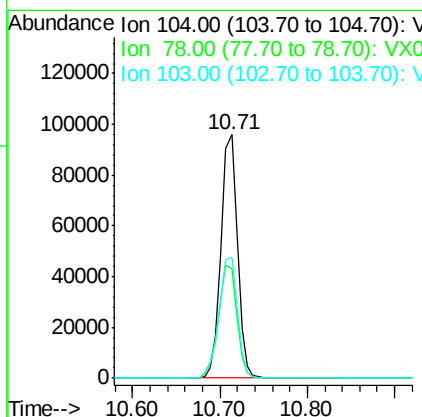
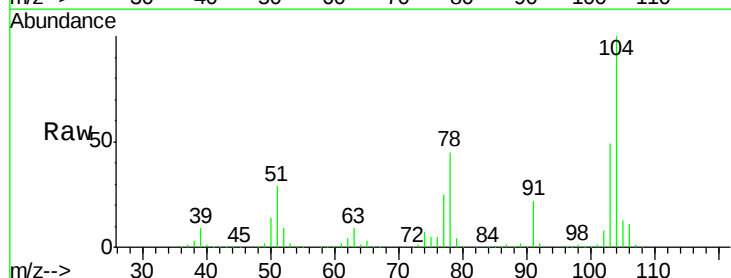
Manual Integrations
APPROVED

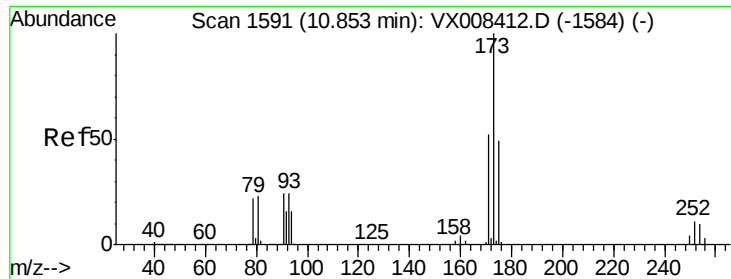
MMDadoda
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#70
Styrene
Concen: 18.646 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion:104 Resp: 124432
Ion Ratio Lower Upper
104 100
78 52.3 42.5 63.7
103 54.9 44.2 66.4





#71

Bromoform

Concen: 18.185 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

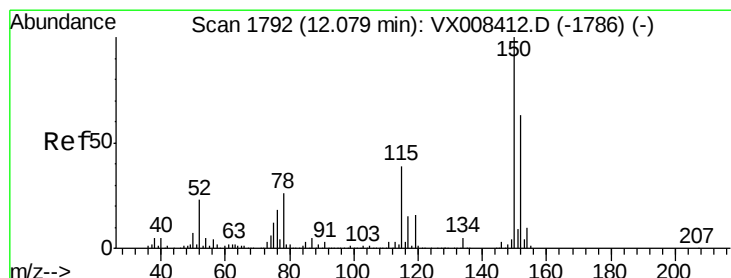
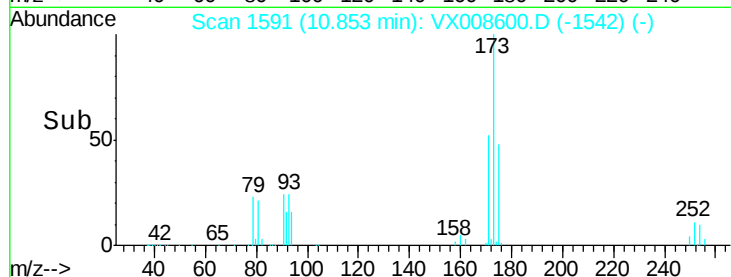
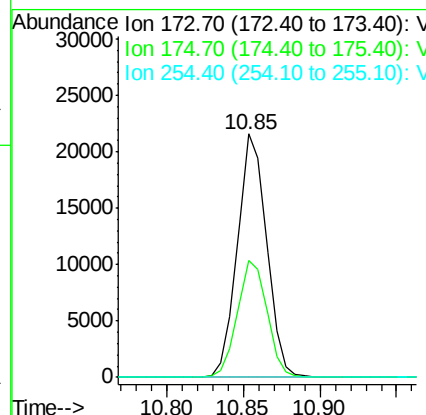
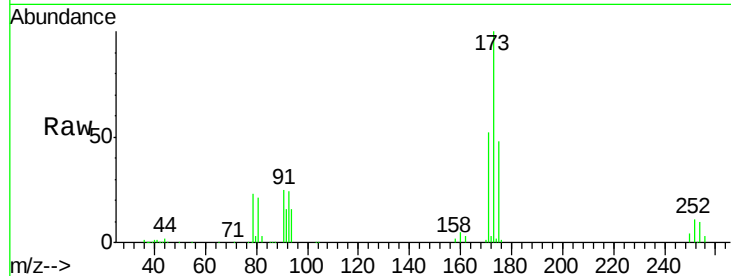
ClientSampled :

VX0402WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

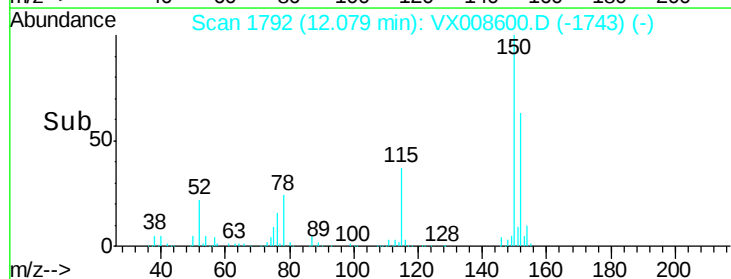
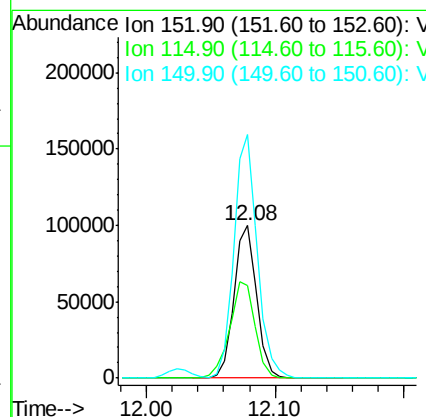
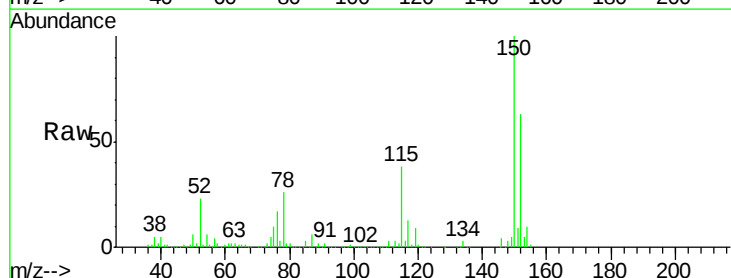
RT: 12.08 min Scan# 1792

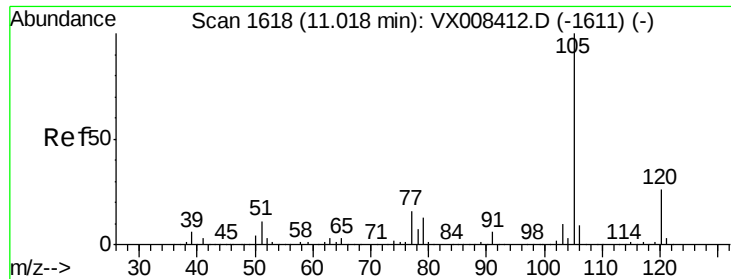
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.5	43.5	130.5
150	165.2	0.0	348.8





#73

Isopropylbenzene

Concen: 19.249 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion: 105 Resp: 191579

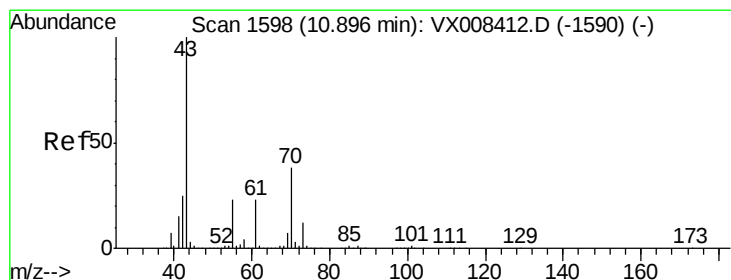
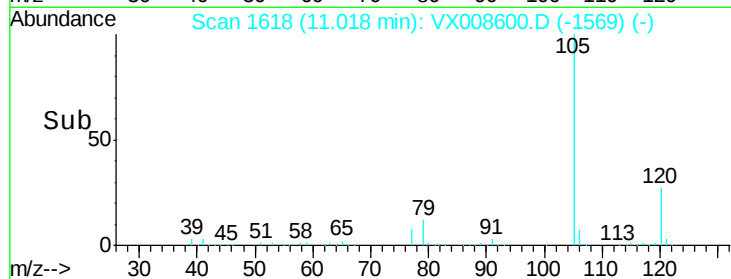
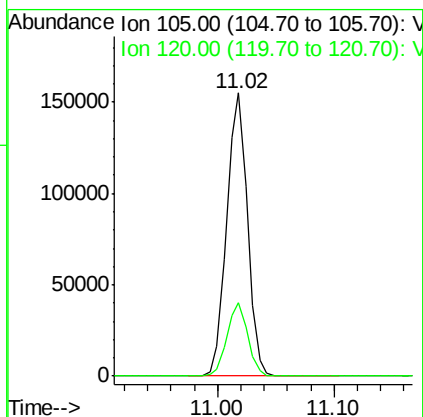
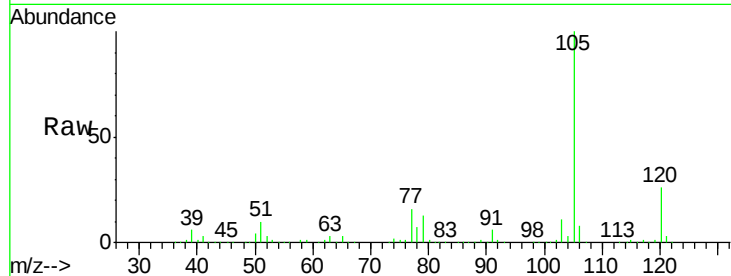
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.114 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion: 43 Resp: 115871

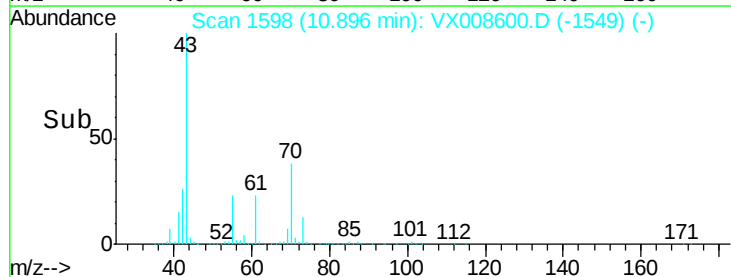
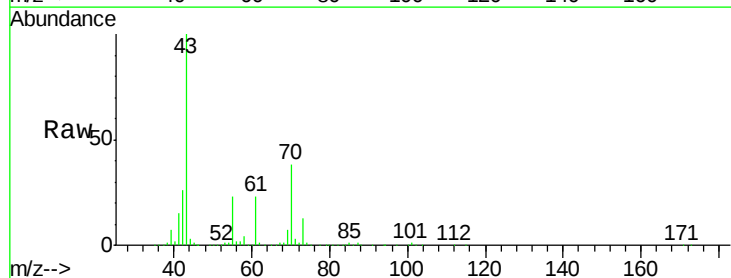
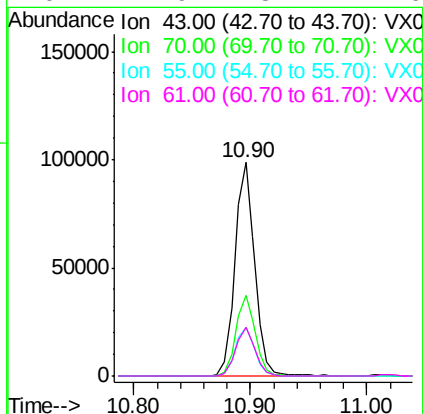
Ion Ratio Lower Upper

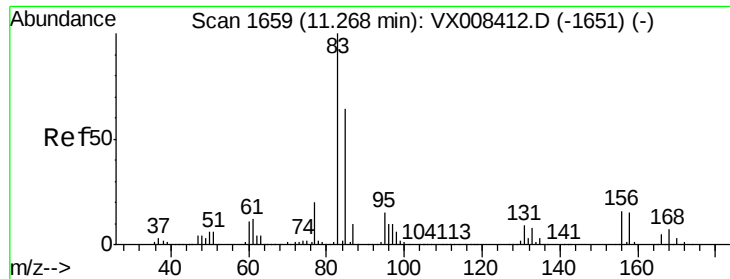
43 100

70 37.8 30.5 45.7

55 23.1 18.2 27.2

61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.325 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

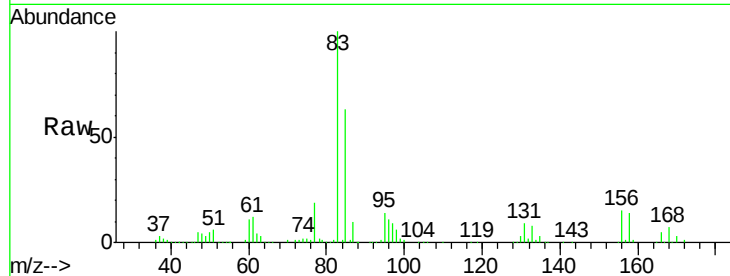
ClientSampleId :

VX0402WBS03

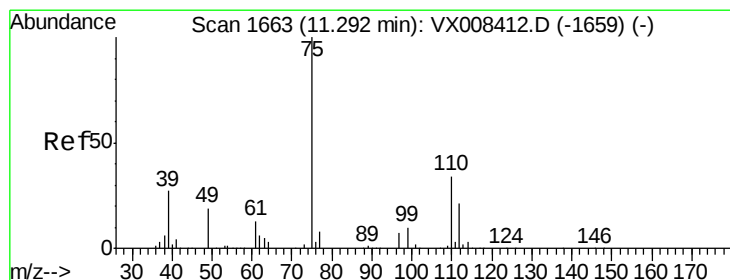
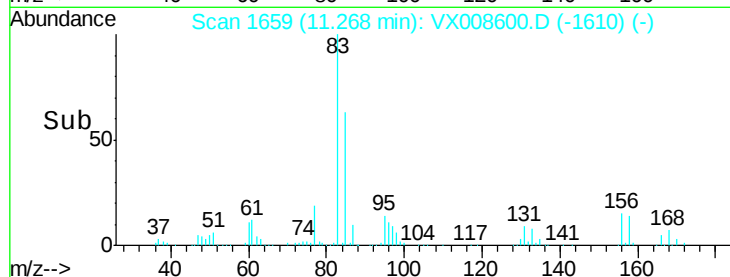
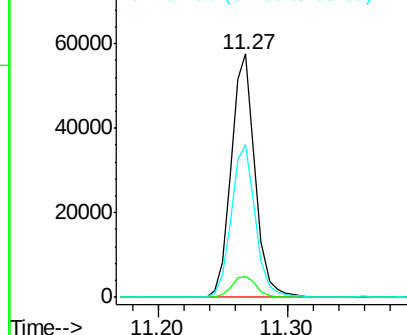
Tot Ion:	83	Resp:	74628
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.4
85	63.7	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 17.315 ug/l m

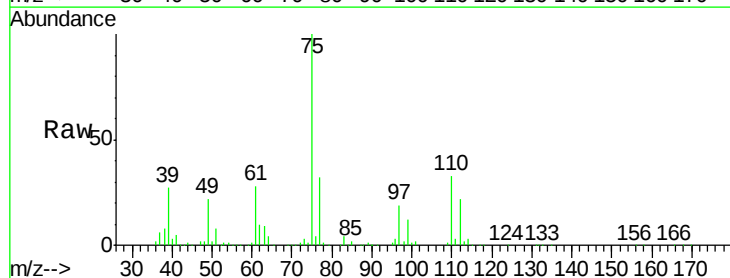
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

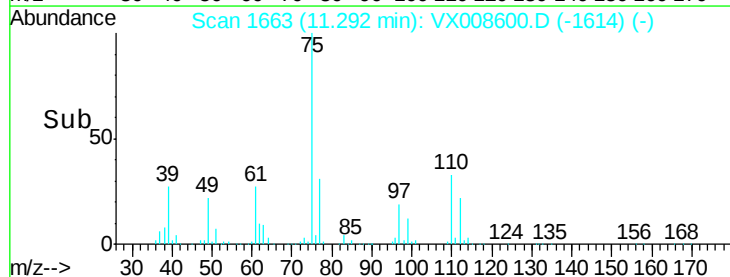
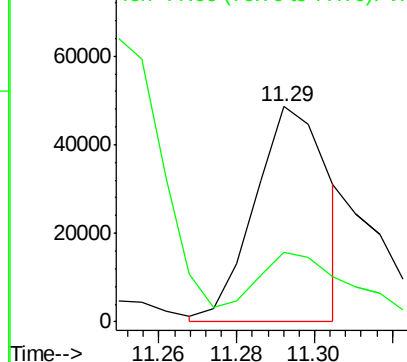
Lab File: VX008600.D

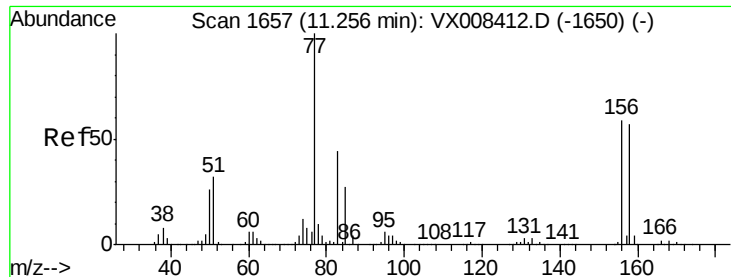
Acq: 02 Apr 2019 19:02

Tgt Ion:	75	Resp:	62974
Ion Ratio	Lower	Upper	
75	100		
77	42.9	21.9	65.7



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





#77

Bromobenzene

Concen: 18.828 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

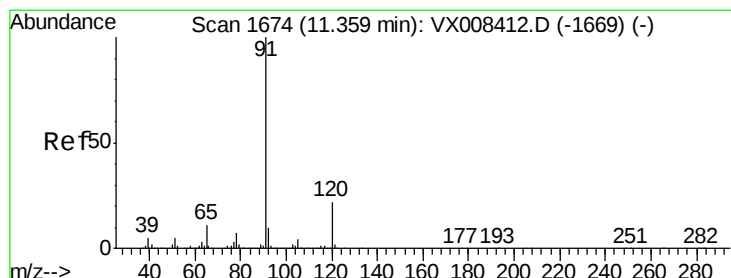
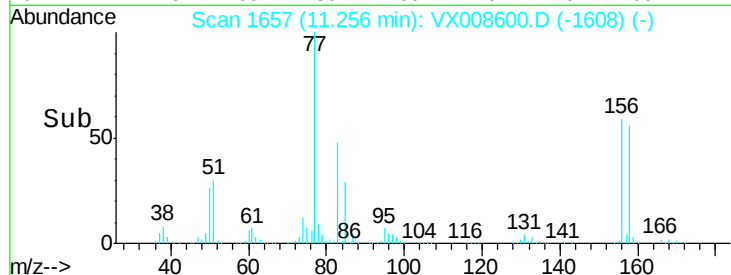
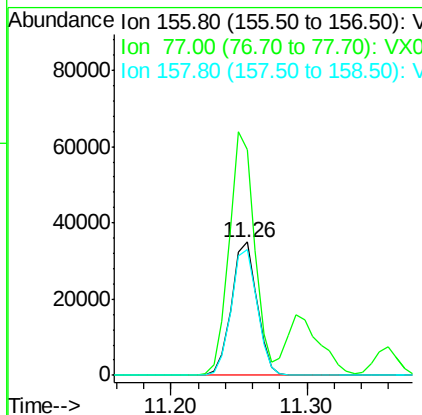
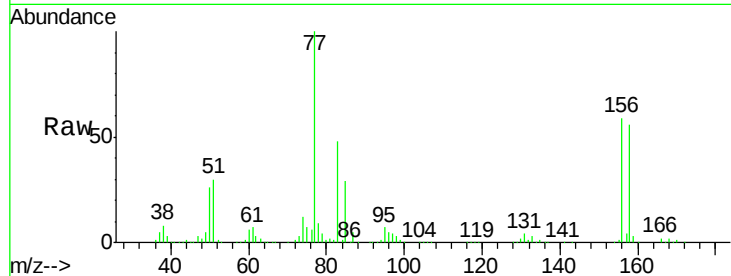
ClientSampleId :

VX0402WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.1	91.1	273.3
158	96.4	48.3	144.8

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#78

n-propylbenzene

Concen: 18.850 ug/l

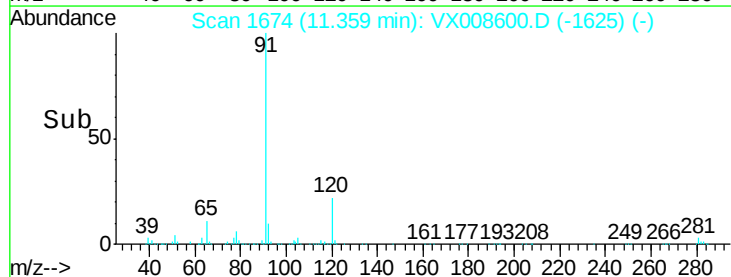
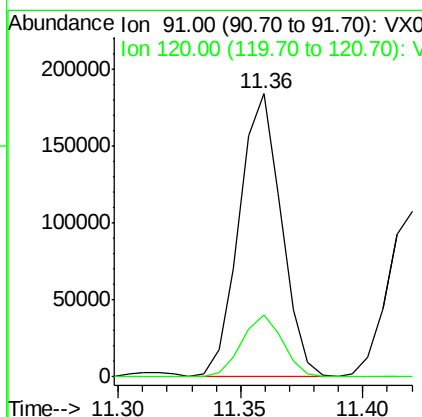
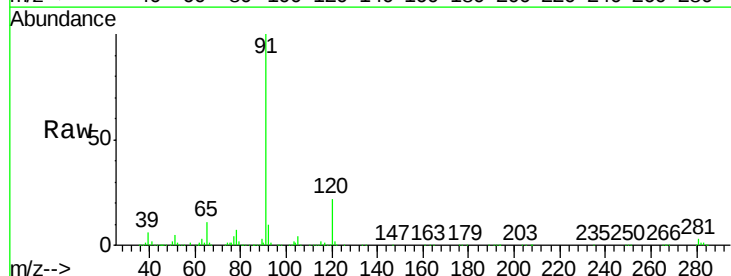
RT: 11.36 min Scan# 1674

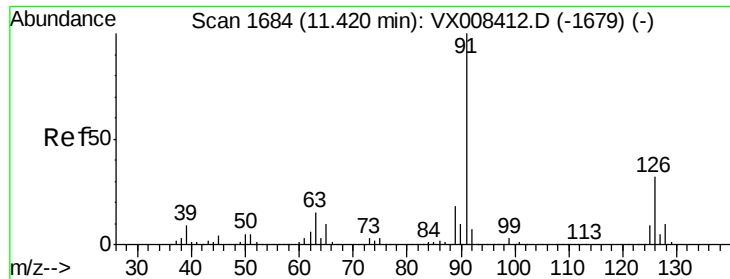
Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79

2-Chlorotoluene

Concen: 18.880 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS03

Tot Ion: 91 Resp: 133886

Ion Ratio Lower Upper

91 100

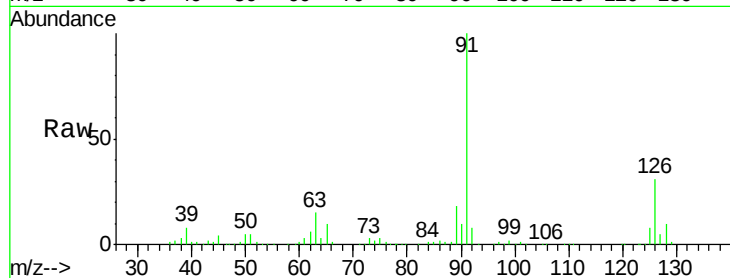
126 31.4 15.7 47.1

Manual Integrations

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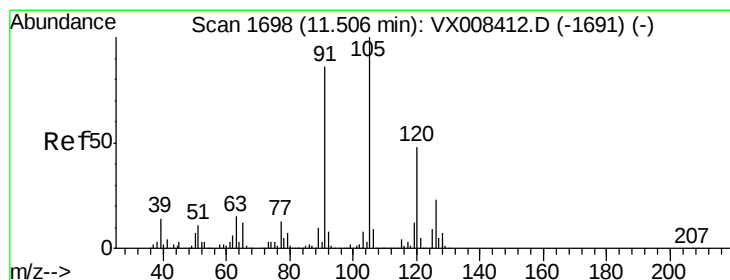
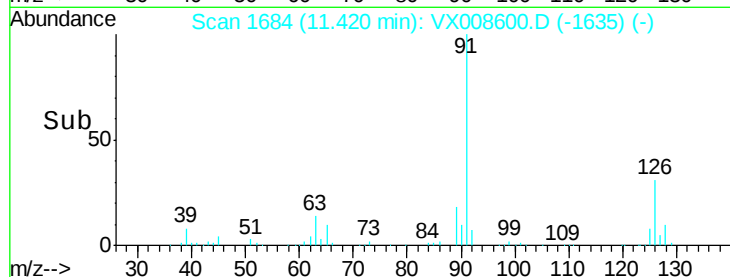
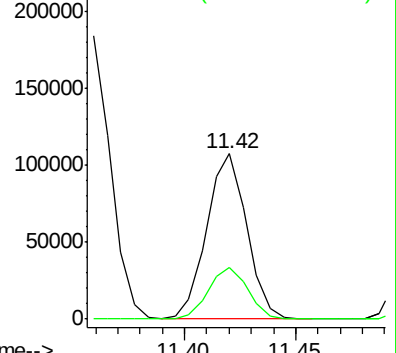
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.945 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008600.D

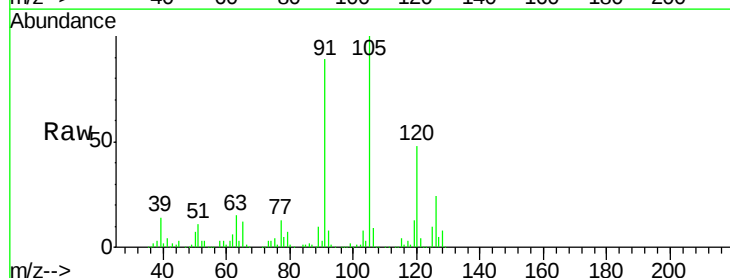
Acq: 02 Apr 2019 19:02

Tgt Ion:105 Resp: 159412

Ion Ratio Lower Upper

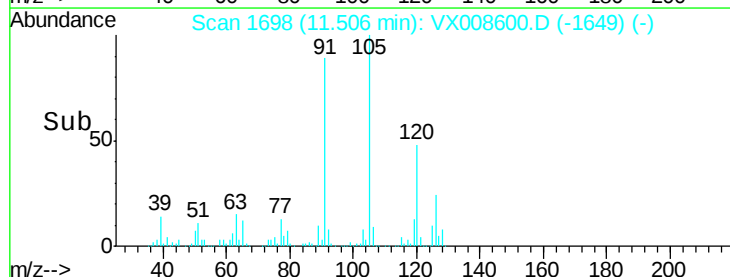
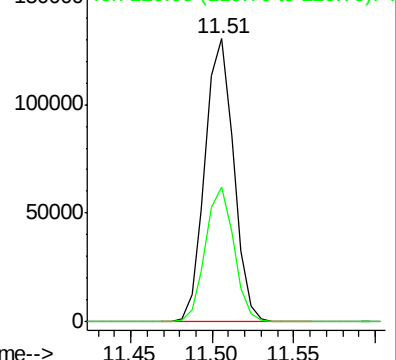
105 100

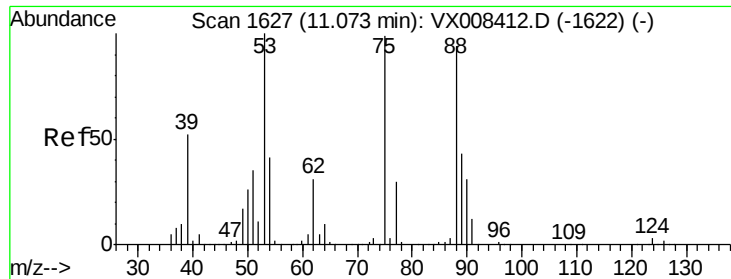
120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.309 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

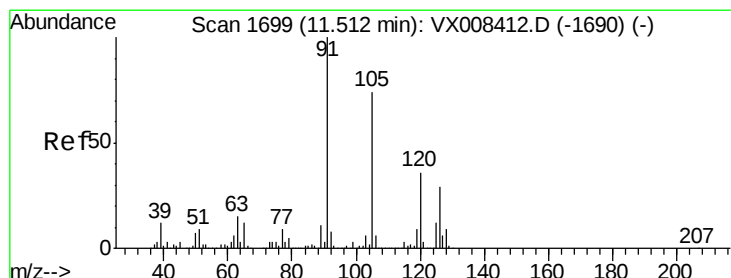
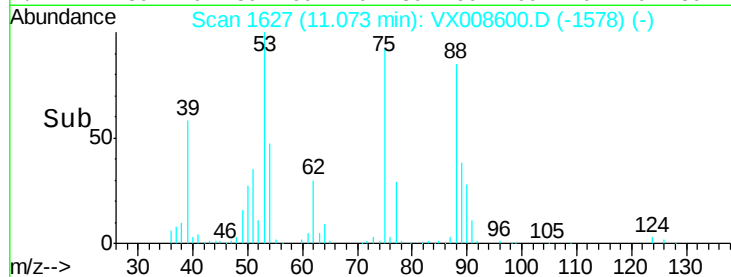
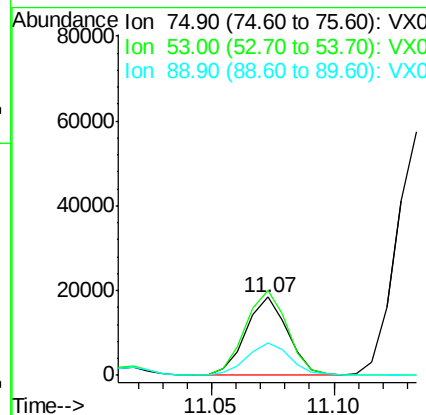
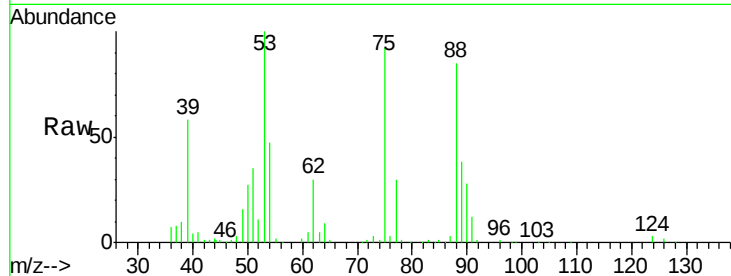
ClientSampleId :

VX0402WBS03

Tot Ion:	75	Resp:	21926
Ion	Ratio	Lower	Upper
75	100		
53	110.1	82.1	123.1
89	43.6	34.6	52.0

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#82

4-Chlorotoluene

Concen: 18.467 ug/l

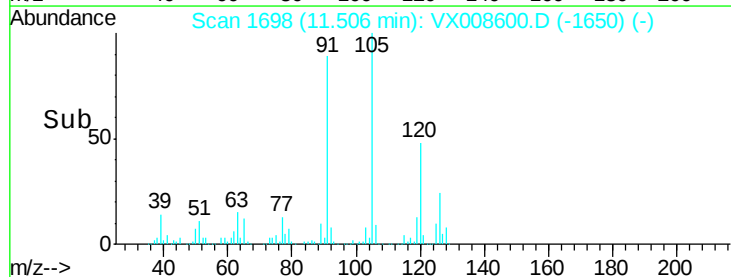
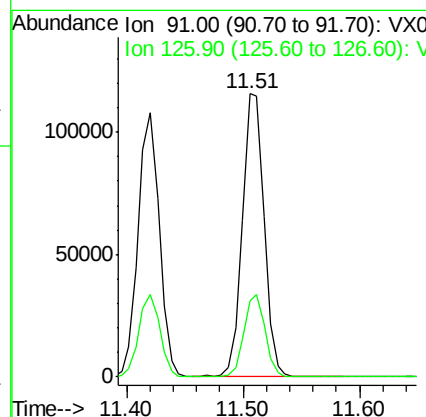
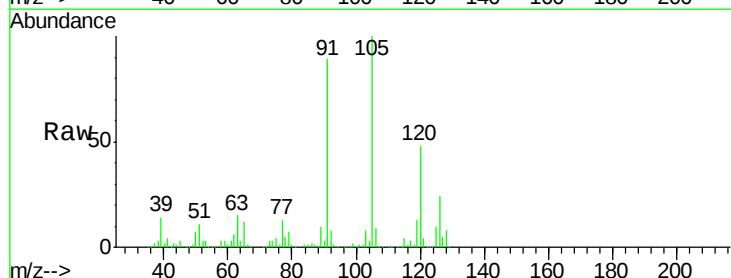
RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	91	Resp:	151061
Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.9	41.7





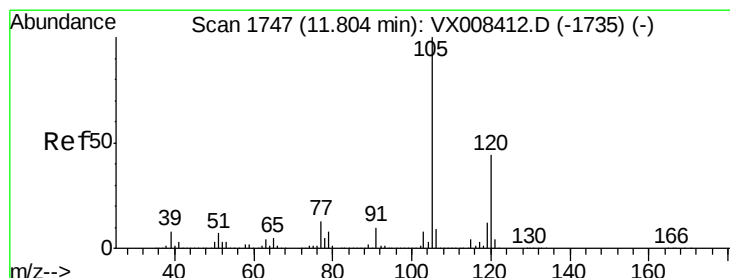
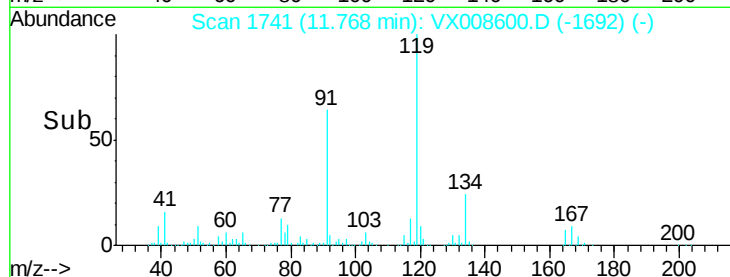
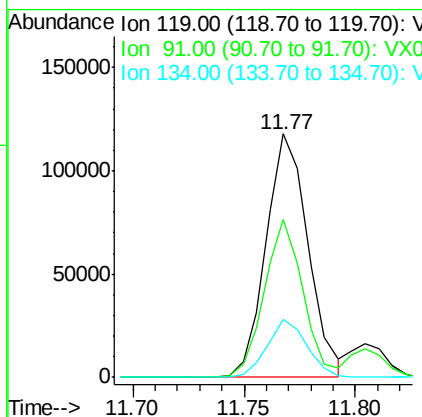
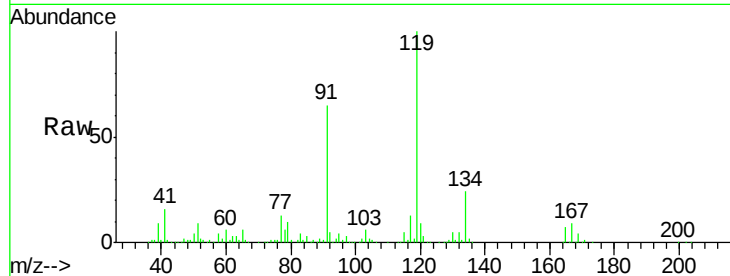
#83
tert-Butylbenzene
Concen: 19.036 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	154541		
91	59.9	30.1	90.3	
134	22.5	10.9	32.9	

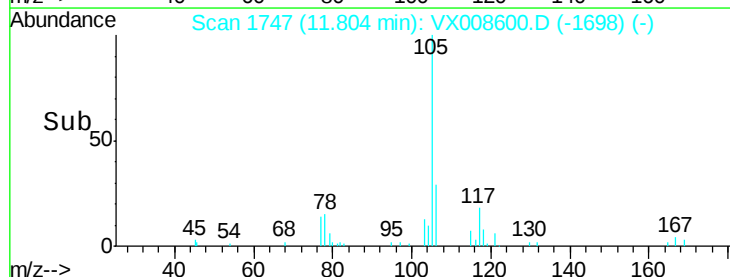
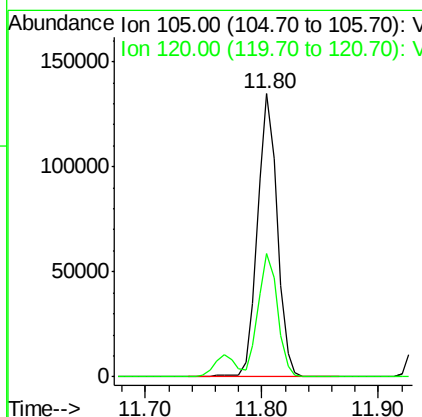
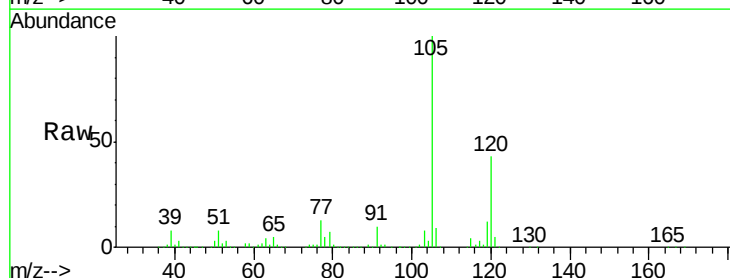
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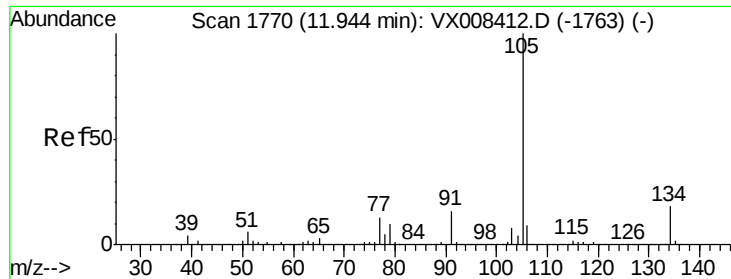
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.756 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159629		
120	42.7	21.6	65.0	





#85

sec-Butylbenzene

Concen: 19.018 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS03

Tot Ion:105 Resp: 183858

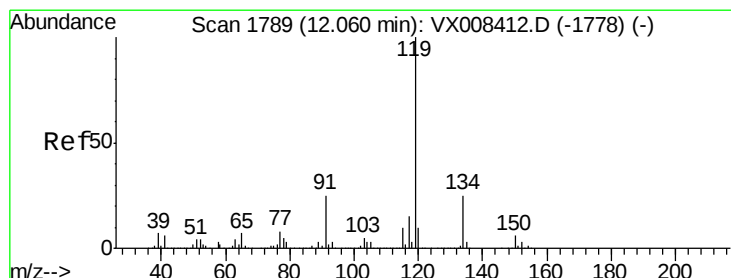
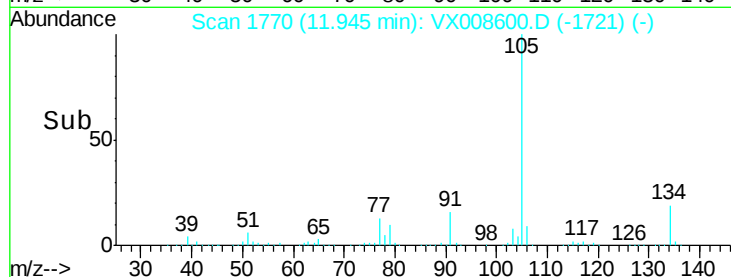
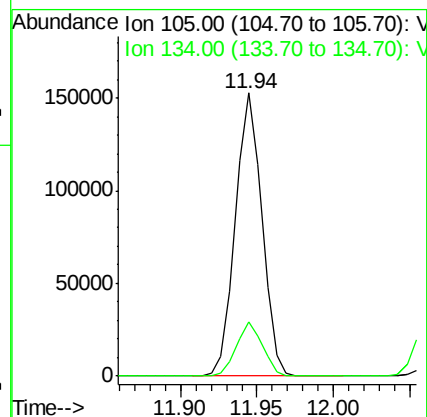
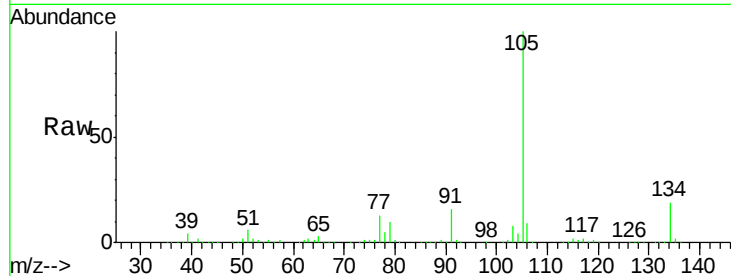
Ion Ratio Lower Upper

105 100

134 18.9 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 19.116 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

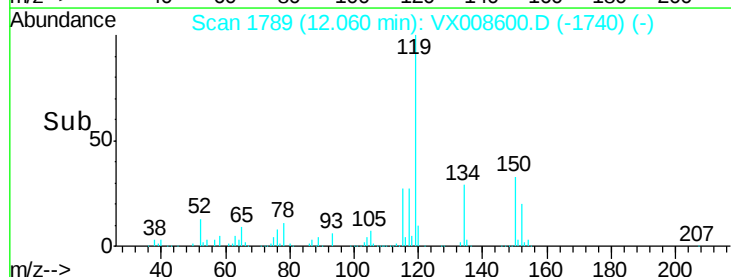
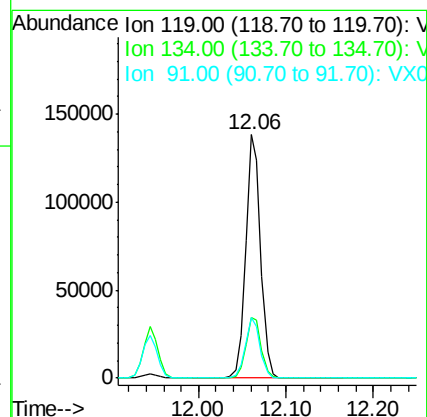
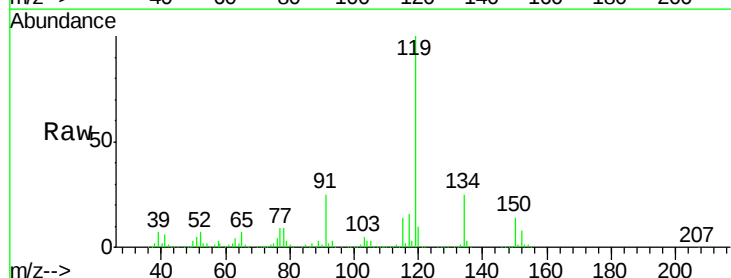
Tgt Ion:119 Resp: 163069

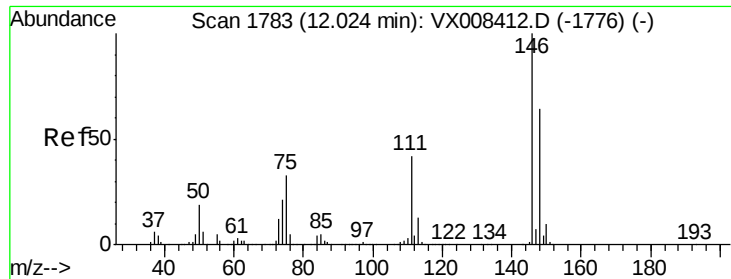
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.7 12.4 37.0





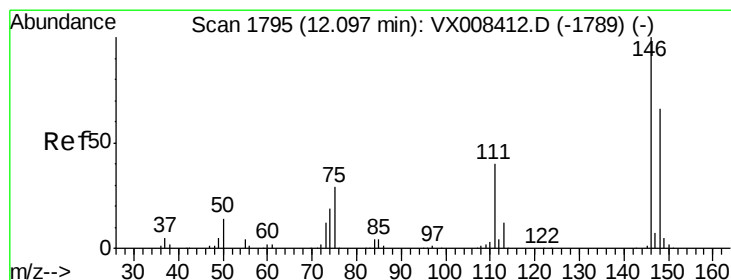
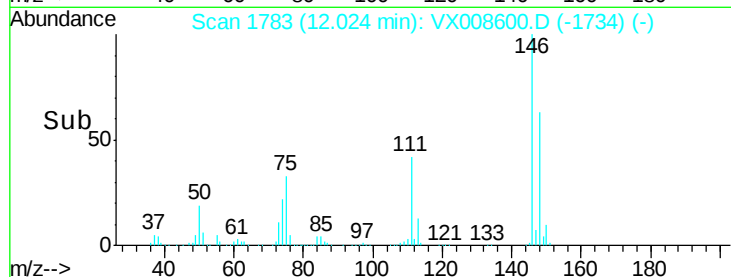
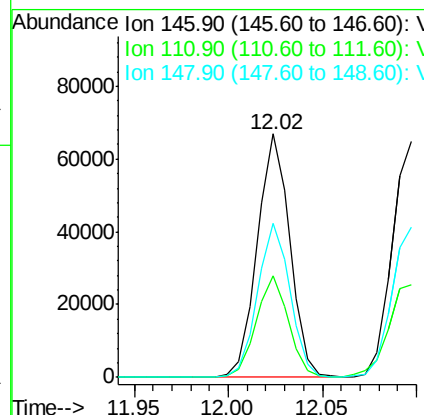
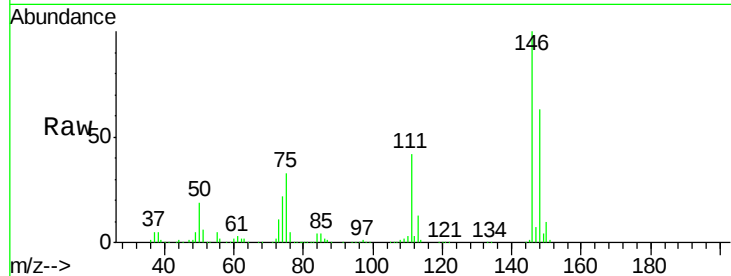
#87
 1,3-Dichlorobenzene
 Concen: 18.526 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.5
148	63.3	32.0	96.0

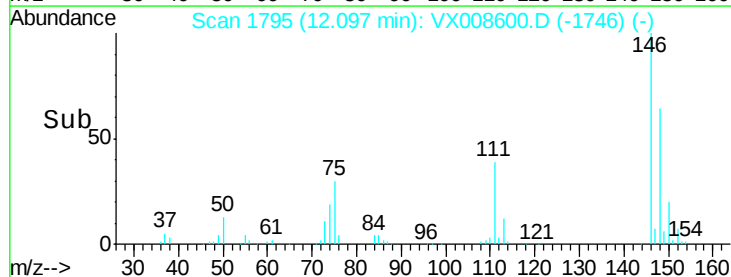
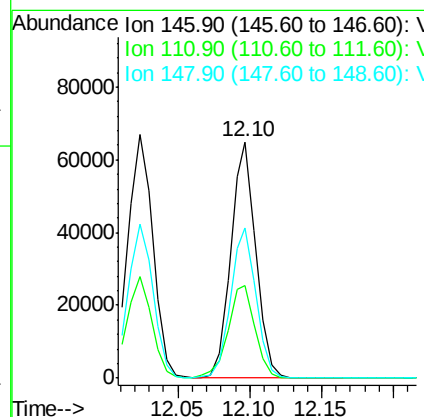
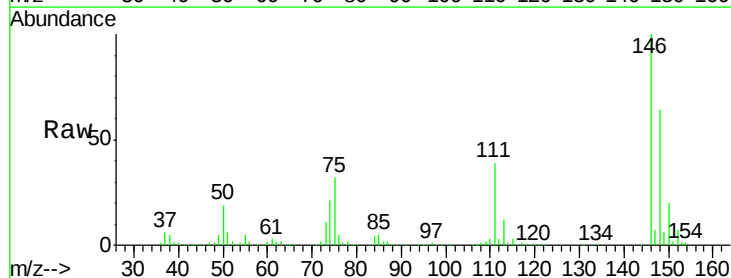
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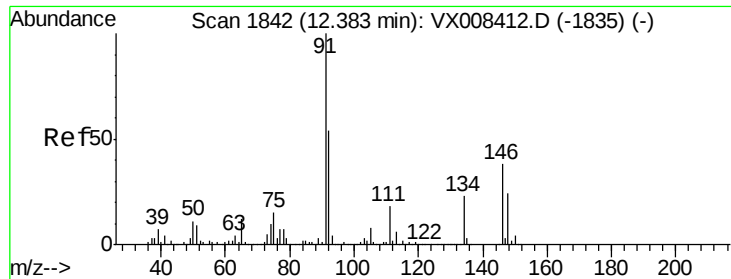
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#88
 1,4-Dichlorobenzene
 Concen: 18.189 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	64.7	32.1	96.5





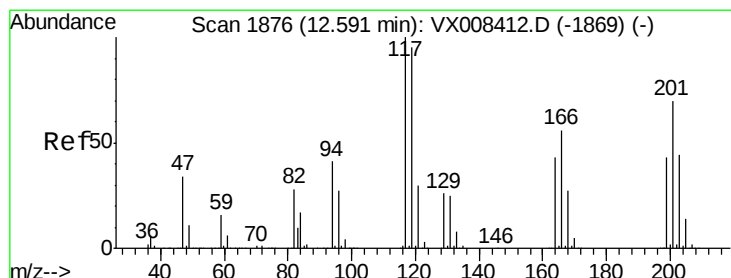
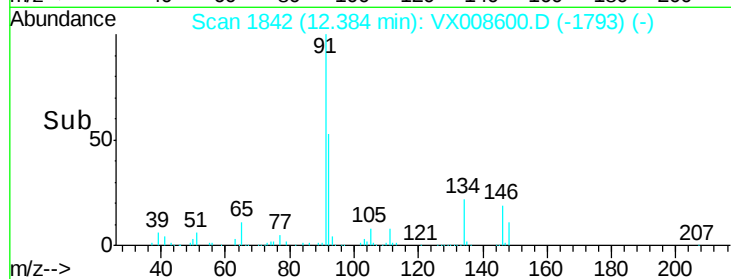
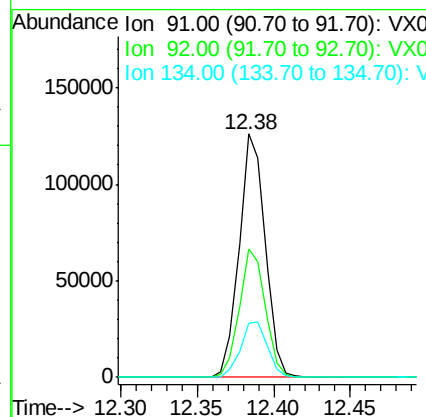
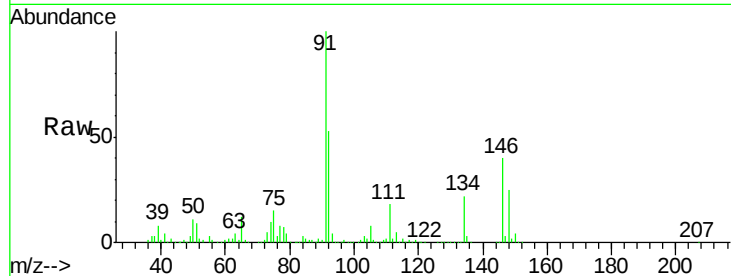
#89
n-Butylbenzene
Concen: 18.402 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	23.6	11.8	35.4

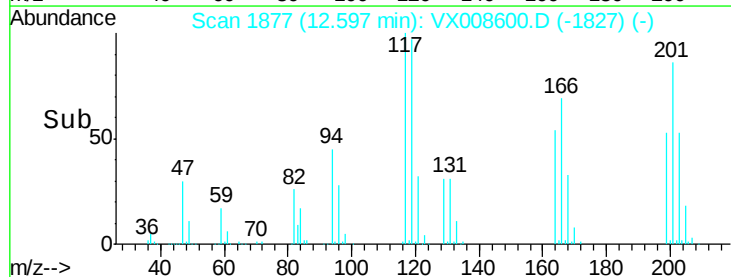
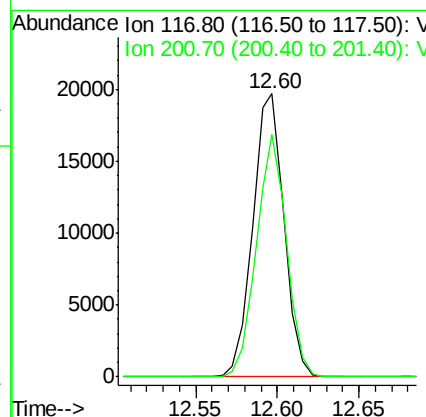
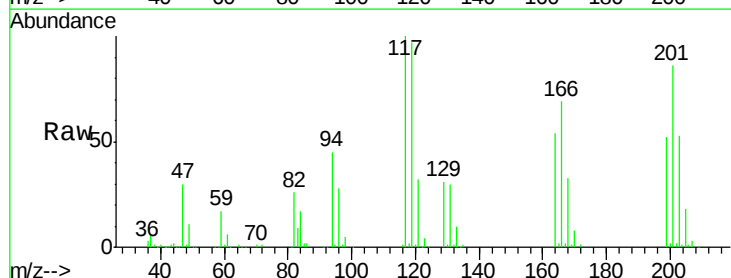
Manual Integrations
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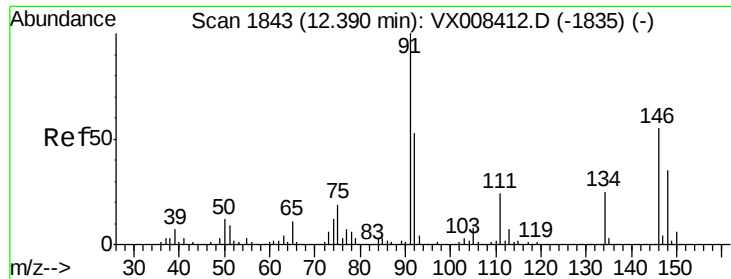
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#90
Hexachloroethane
Concen: 18.436 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008600.D
Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	39.4	118.1





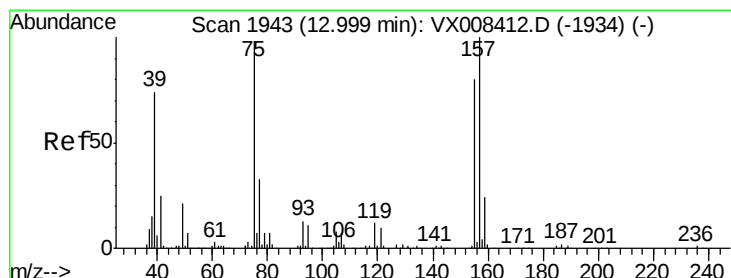
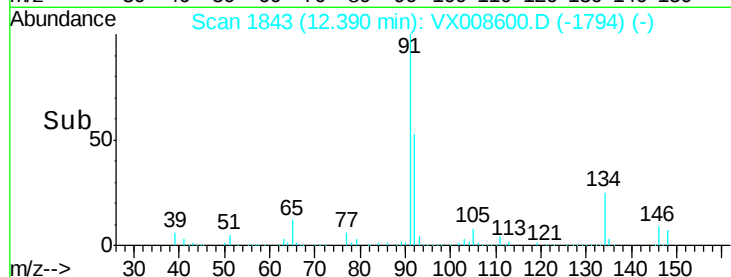
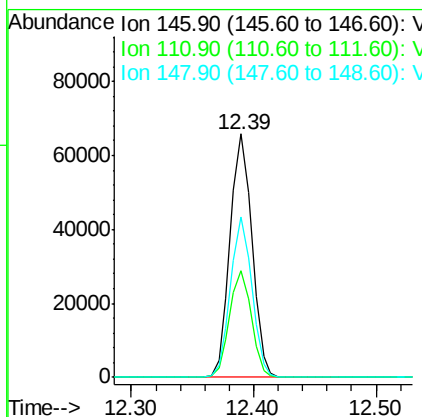
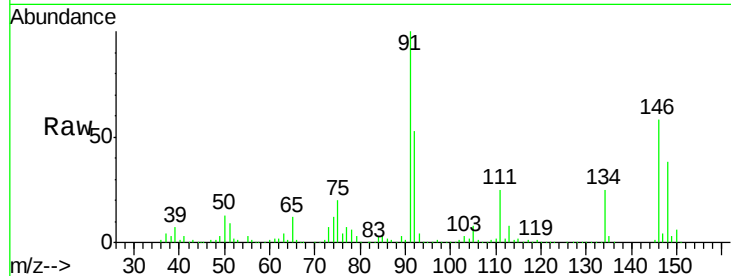
#91
 1,2-Dichlorobenzene
 Concen: 18.829 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.6
148	64.3	31.9	95.7

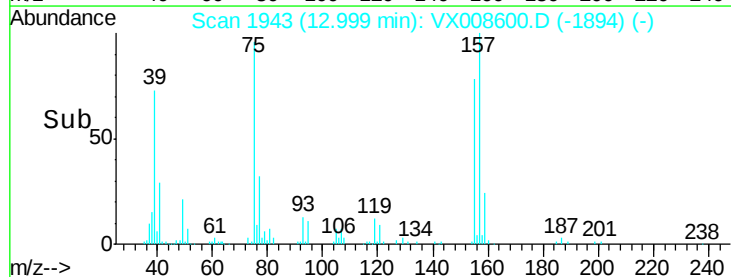
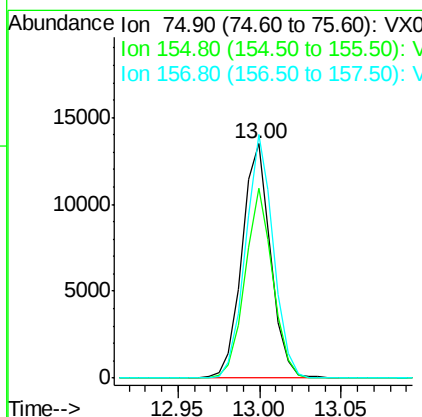
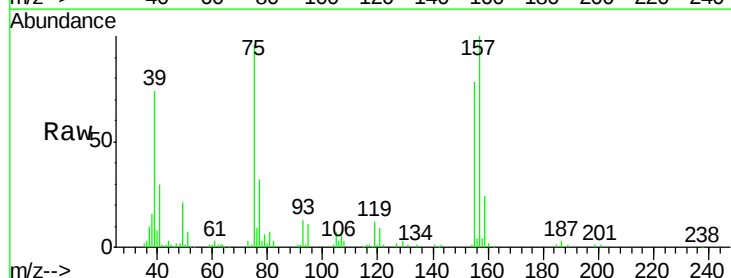
Manual Integrations
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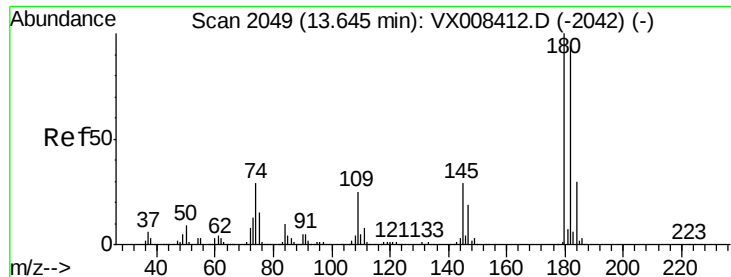
MMDadoda
 4/3/2019 10:51:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.578 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.5	118.5
157	101.2	49.9	149.7





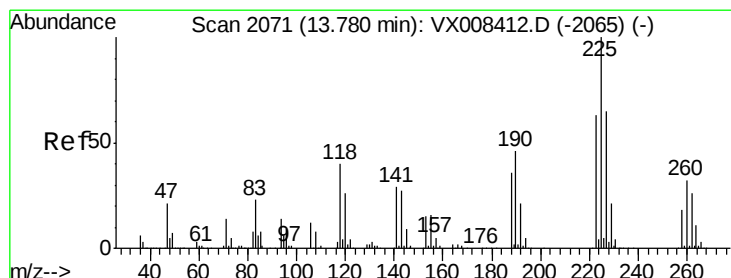
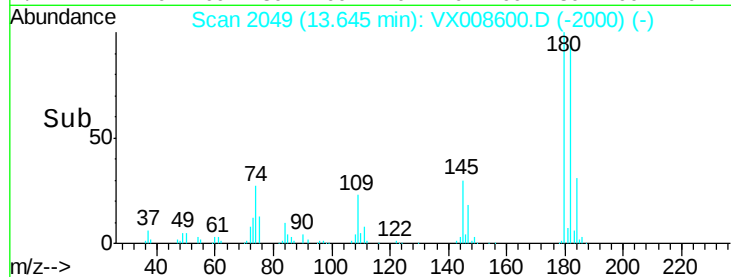
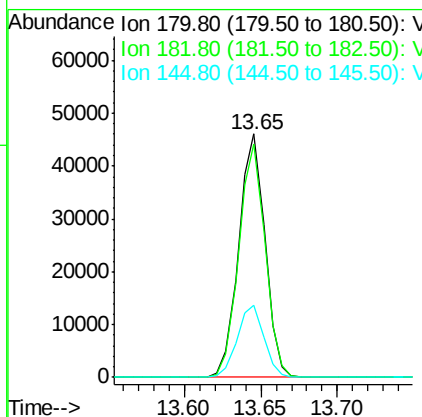
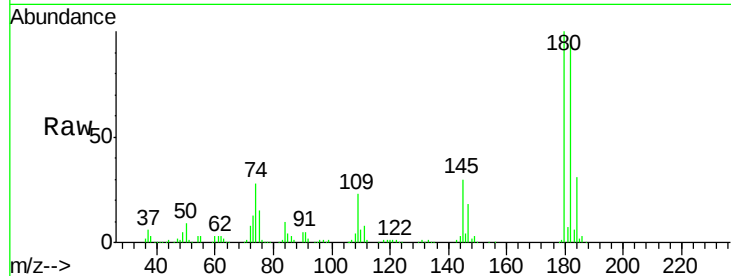
#93
 1,2,4-Trichlorobenzene
 Concen: 18.813 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	30.2	15.3	45.8

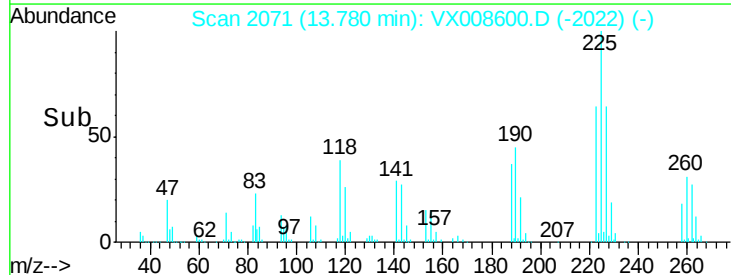
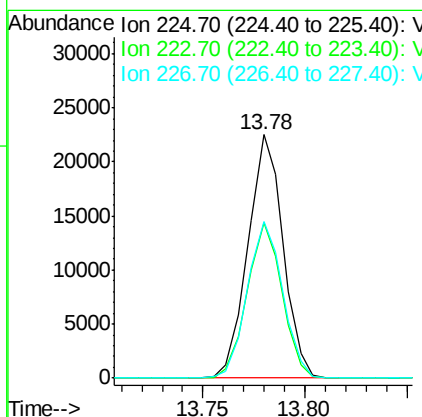
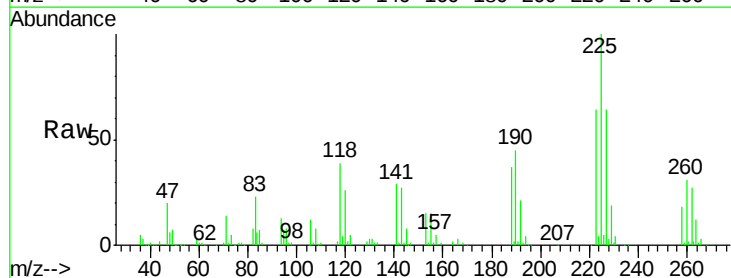
Manual Integrations
 APPROVED

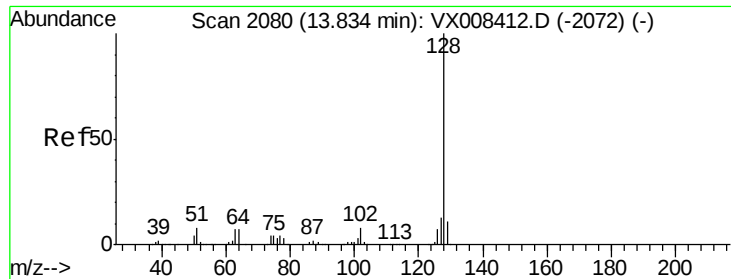
MMDadoda
 4/3/2019 10:51:42 AM



#94
 Hexachlorobutadiene
 Concen: 19.517 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008600.D
 Acq: 02 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.0
227	64.9	31.9	95.9





#95

Naphthalene

Concen: 19.626 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Instrument :

MSVOA_X

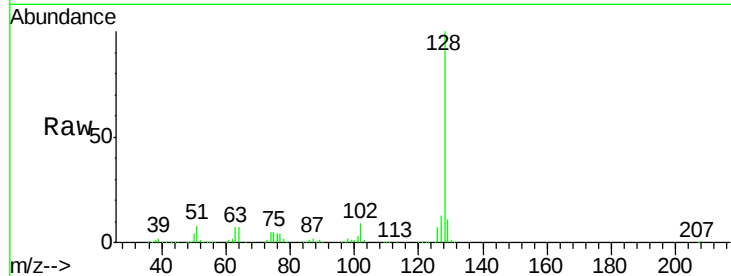
ClientSampleId :

VX0402WBS03

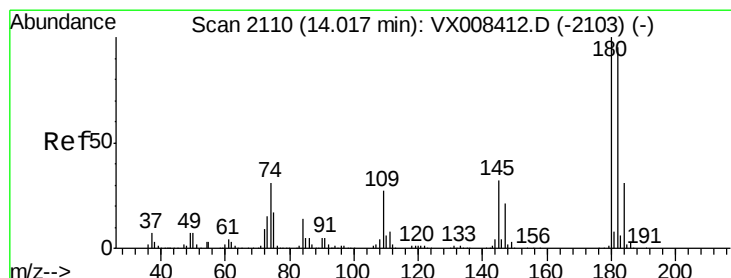
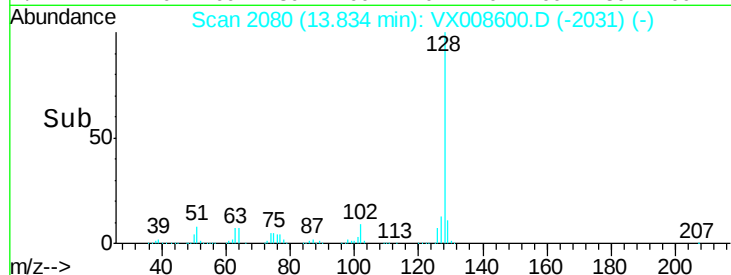
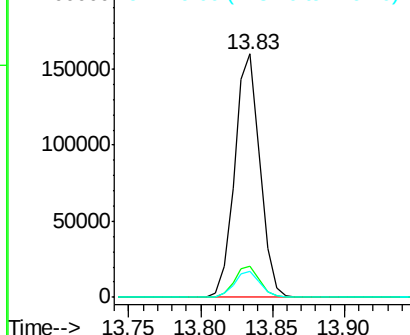
Tot Ion:	128	Resp:	195793
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:51:42 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.709 ug/l

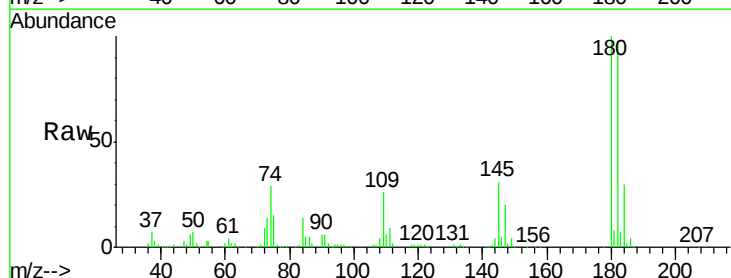
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008600.D

Acq: 02 Apr 2019 19:02

Tgt Ion:	180	Resp:	57629
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	142.0
145	32.2	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

