

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\
 Data File : VX006937.D
 Acq On : 07 Jan 2019 15:55
 Operator : JC/MD
 Sample : VX0107WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:33:37 AM

Quant Time: Jan 08 07:07:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	495841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	752265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	683190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	346109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	272310	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	5.50	113	250973	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	8.71	98	900784	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	324331	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69098	15.233	ug/l	97
3) Chloromethane	1.33	50	82013	16.782	ug/l	99
4) Vinyl Chloride	1.41	62	88920	17.422	ug/l	97
5) Bromomethane	1.64	94	90447	17.753	ug/l	98
6) Chloroethane	1.72	64	60360	17.080	ug/l	97
7) Trichlorofluoromethane	1.93	101	145276	18.256	ug/l	99
8) Diethyl Ether	2.19	74	60083	19.010	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	88103	18.857	ug/l	99
10) Methyl Iodide	2.51	142	123028	18.395	ug/l	99
11) Tert butyl alcohol	3.07	59	134321	112.626	ug/l	98
12) 1,1-Dichloroethene	2.37	96	79080	17.850	ug/l	99
13) Acrolein	2.29	56	71427	88.778	ug/l	95
14) Allyl chloride	2.73	41	140415	18.830	ug/l	99
15) Acrylonitrile	3.15	53	283673	107.127	ug/l	100
16) Acetone	2.45	43	237970	96.926	ug/l	100
17) Carbon Disulfide	2.57	76	151581	12.929	ug/l	99
18) Methyl Acetate	2.78	43	200404	27.759	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	311529	21.187	ug/l	98
20) Methylene Chloride	2.86	84	97145	19.135	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	84908	17.298	ug/l	99
22) Diisopropyl ether	3.87	45	286926	21.032	ug/l	93
23) Vinyl Acetate	3.82	43	1135546	101.761	ug/l	100
24) 1,1-Dichloroethane	3.70	63	156371	19.201	ug/l	99
25) 2-Butanone	4.70	43	352875	102.178	ug/l	98
26) 2,2-Dichloropropane	4.59	77	105809	16.820	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	106412	19.648	ug/l	97
28) Bromochloromethane	5.01	49	74058	20.478	ug/l	96
29) Tetrahydrofuran	5.15	42	237611	104.463	ug/l	97
30) Chloroform	5.21	83	170457	20.212	ug/l	96
31) Cyclohexane	5.57	56	122676	16.581	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	138134	19.398	ug/l	98
36) 1,1-Dichloropropene	5.80	75	112883	18.118	ug/l	100
37) Ethyl Acetate	4.86	43	135226	20.853	ug/l	100
38) Carbon Tetrachloride	5.78	117	112606	18.597	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134522	16.400	ug/l	97
40) Benzene	6.14	78	366314	19.342	ug/l	98
41) Methacrylonitrile	5.06	41	75436	21.911	ug/l	98
42) 1,2-Dichloroethane	6.20	62	127738	19.794	ug/l	100
43) Isopropyl Acetate	6.46	43	215576	21.848	ug/l	98
44) Trichloroethene	7.21	130	105478	18.401	ug/l	97
45) 1,2-Dichloropropane	7.52	63	92615	20.096	ug/l	98
46) Dibromomethane	7.66	93	66363	19.576	ug/l	99
47) Bromodichloromethane	7.90	83	113395	20.148	ug/l	97
48) Methyl methacrylate	7.77	41	107805	21.485	ug/l	98
49) 1,4-Dioxane	7.75	88	52812	390.152	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	708678	112.882	ug/l	99
52) Toluene	8.79	92	242627	19.830	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	118443	19.623	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	132861	20.060	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	103510	20.669	ug/l	99
56) Ethyl methacrylate	9.18	69	150918	21.321	ug/l	97
57) 1,3-Dichloropropane	9.37	76	165137	20.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	392390	104.288	ug/l	99
59) 2-Hexanone	9.49	43	528246	109.973	ug/l	99
60) Dibromochloromethane	9.59	129	96375	19.869	ug/l	98
61) 1,2-Dibromoethane	9.67	107	108588	20.397	ug/l	100
64) Tetrachloroethene	9.34	164	98874	18.277	ug/l	95
65) Chlorobenzene	10.14	112	275926	19.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	97925	21.716	ug/l	98
67) Ethyl Benzene	10.25	91	443441	18.776	ug/l	97
68) m/p-Xylenes	10.36	106	354496	38.038	ug/l	98
69) o-Xylene	10.69	106	175063	19.023	ug/l	99
70) Styrene	10.71	104	278706	19.143	ug/l	98
71) Bromoform	10.86	173	70089	20.154	ug/l	# 98
73) Isopropylbenzene	11.02	105	457358	19.316	ug/l	99
74) N-amyl acetate	10.90	43	191381	22.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	153732	21.831	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	142034m	22.082	ug/l	
77) Bromobenzene	11.26	156	126378	19.742	ug/l	98
78) n-propylbenzene	11.36	91	504678	19.355	ug/l	98
79) 2-Chlorotoluene	11.42	91	306908	19.423	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	376973	19.329	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35447	19.584	ug/l	94
82) 4-Chlorotoluene	11.51	91	349380	19.276	ug/l	100
83) tert-Butylbenzene	11.77	119	394415	20.207	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	386631	18.848	ug/l	100
85) sec-Butylbenzene	11.94	105	454881	19.008	ug/l	100
86) p-Isopropyltoluene	12.06	119	407161	19.355	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	223752	19.394	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	223407	18.890	ug/l	99
89) n-Butylbenzene	12.39	91	335527	18.741	ug/l	98
90) Hexachloroethane	12.60	117	57304	19.552	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	228729	19.819	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28144	19.316	ug/l	97

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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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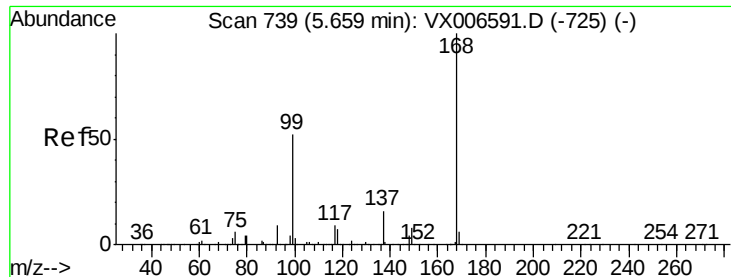
Manual Integrations
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1/8/2019 9:33:37 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	149390	18.765	ug/l	99
94) Hexachlorobutadiene	13.78	225	65921	17.568	ug/l	99
95) Naphthalene	13.83	128	472246	18.586	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	150768	18.343	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion:168 Resp: 495841

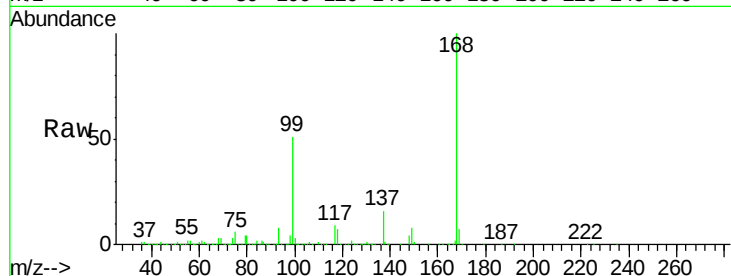
Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

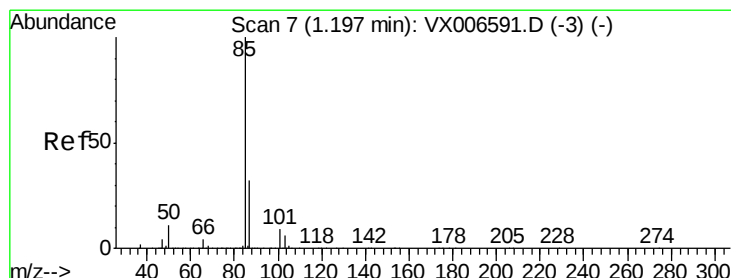
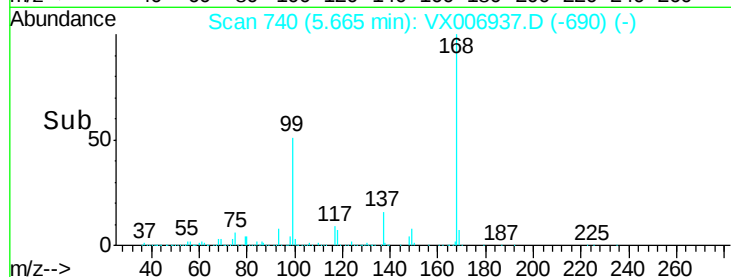
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.233 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006937.D

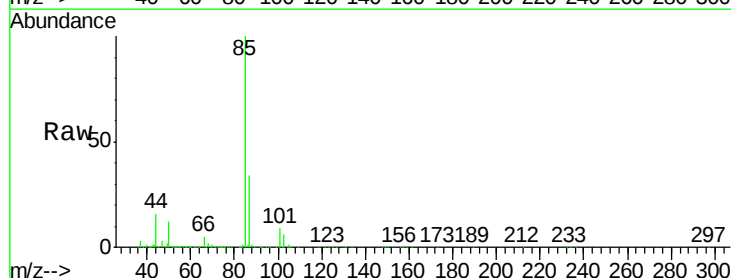
Acq: 07 Jan 2019 15:55

Tgt Ion: 85 Resp: 69098

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

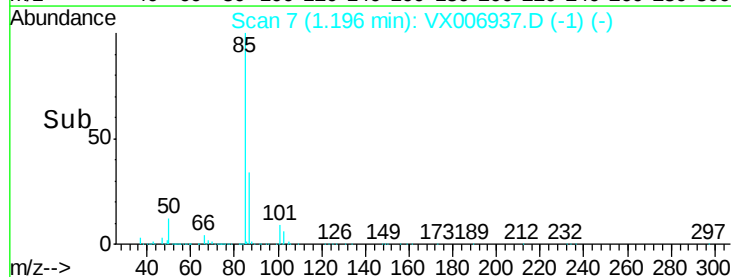
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.782 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 50 Resp: 82013

Ion Ratio Lower Upper

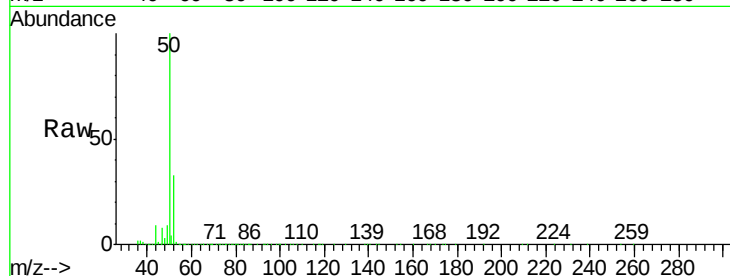
50 100

52 32.6 25.4 38.2

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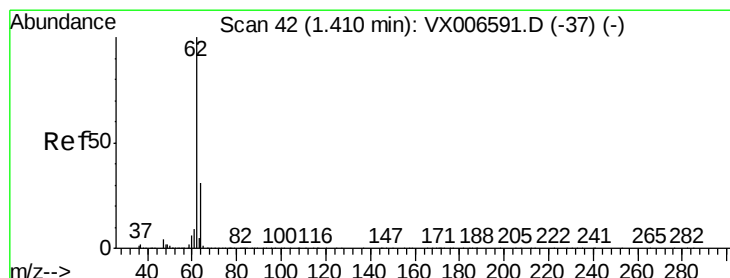
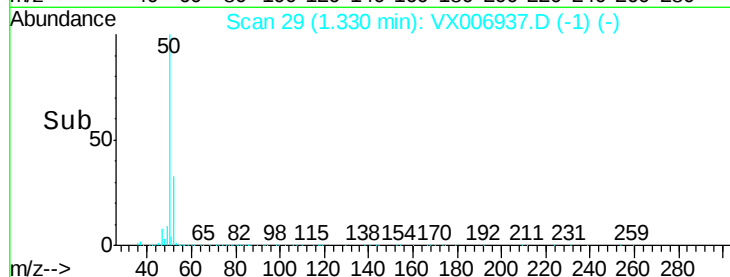
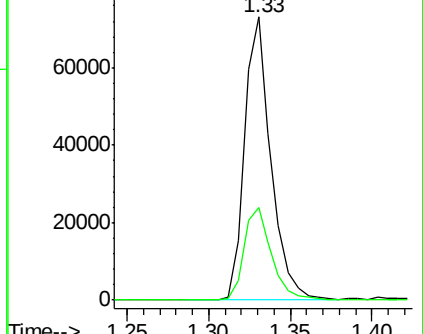
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.422 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006937.D

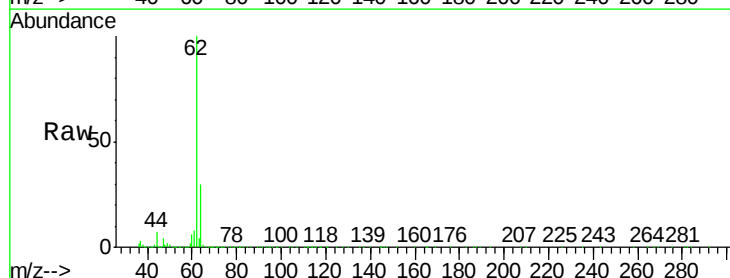
Acq: 07 Jan 2019 15:55

Tgt Ion: 62 Resp: 88920

Ion Ratio Lower Upper

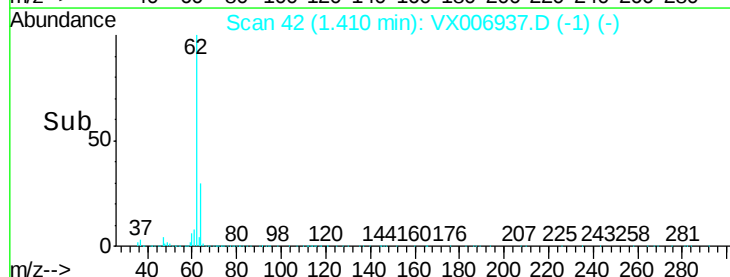
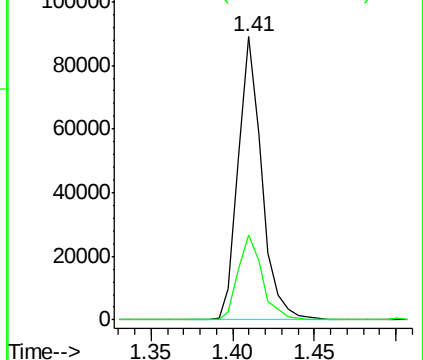
62 100

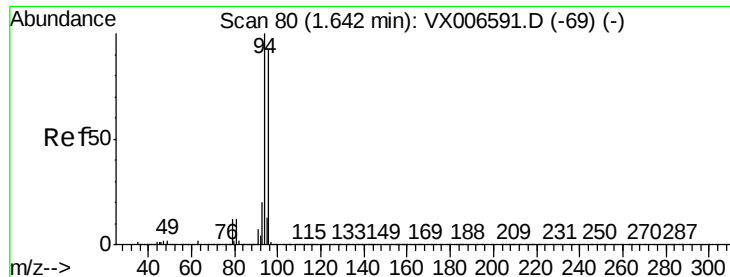
64 29.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.753 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 94 Resp: 90447

Ion Ratio Lower Upper

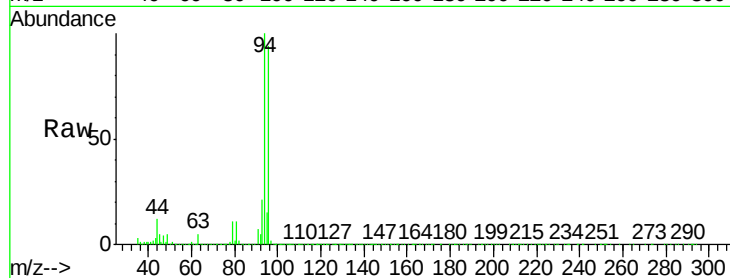
94 100

96 93.7 73.4 110.2

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

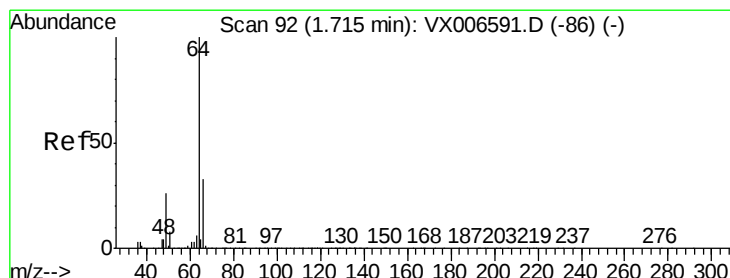
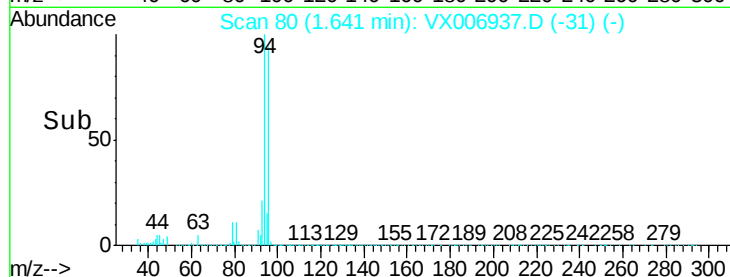
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 17.080 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006937.D

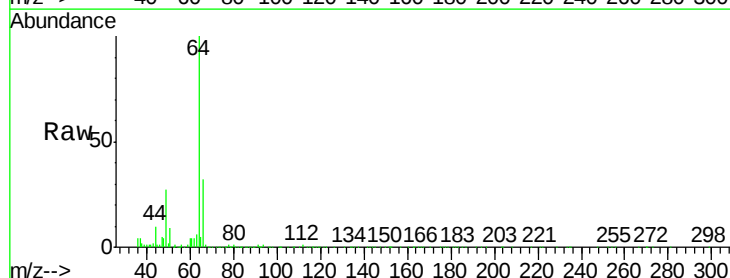
Acq: 07 Jan 2019 15:55

Tgt Ion: 64 Resp: 60360

Ion Ratio Lower Upper

64 100

66 31.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

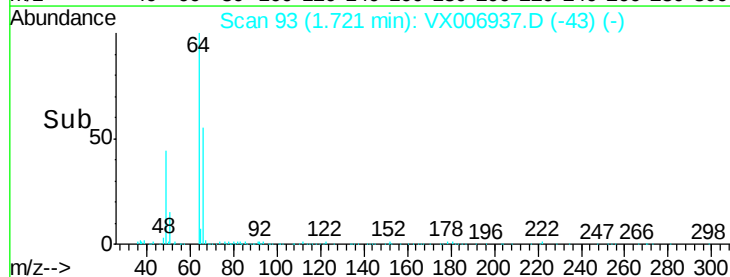
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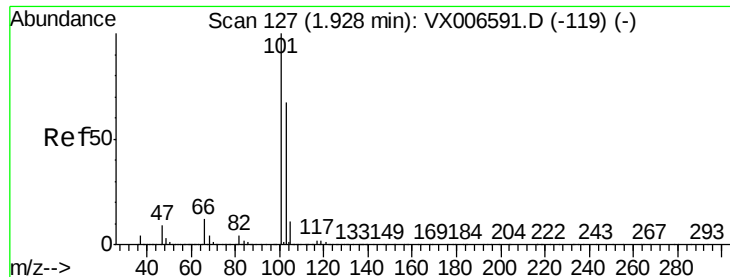
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10000

0

Time--> 1.65 1.70 1.75 1.80





#7

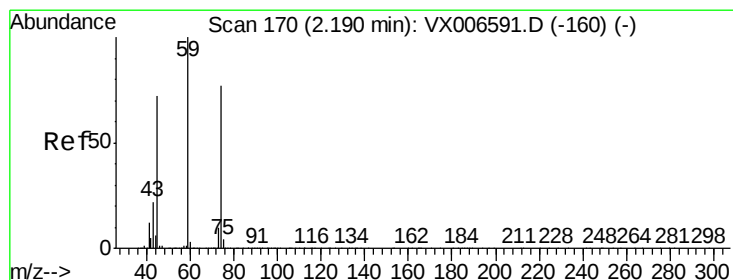
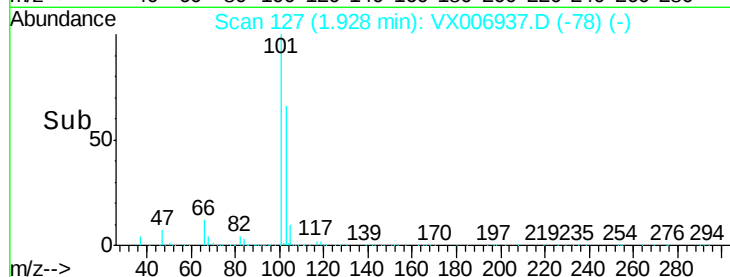
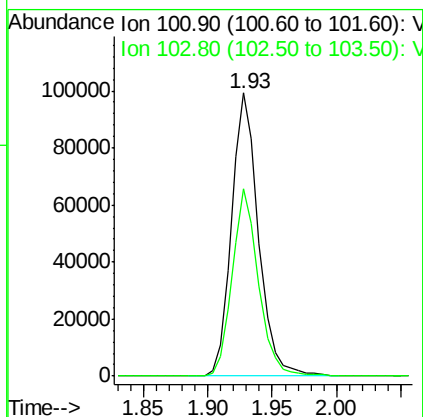
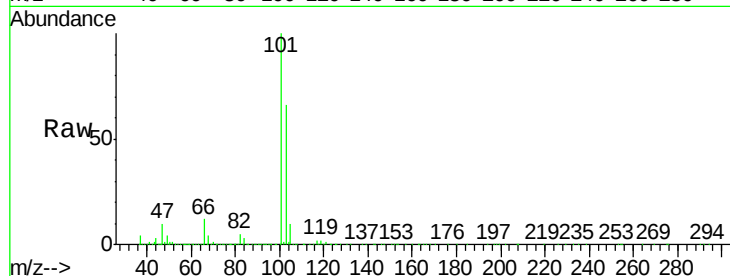
Trichlorofluoromethane
Concen: 18.256 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
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ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	53.2	79.8

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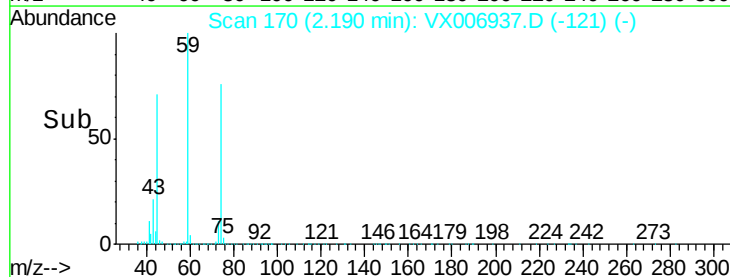
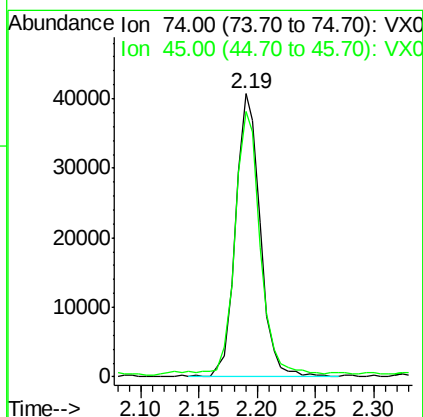
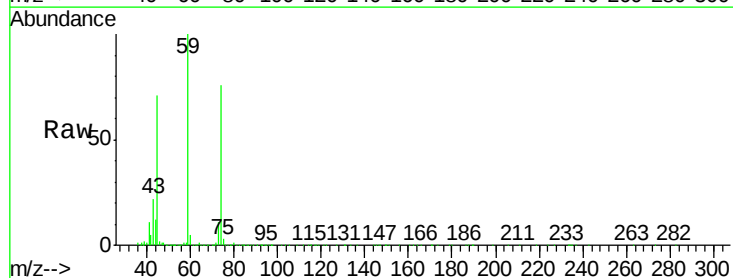
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1/8/2019 9:33:37 AM



#8

Diethyl Ether
Concen: 19.010 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.857 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

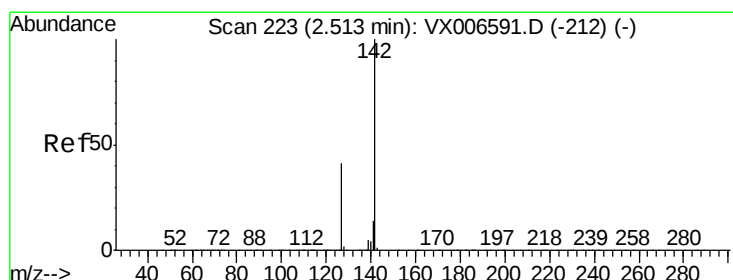
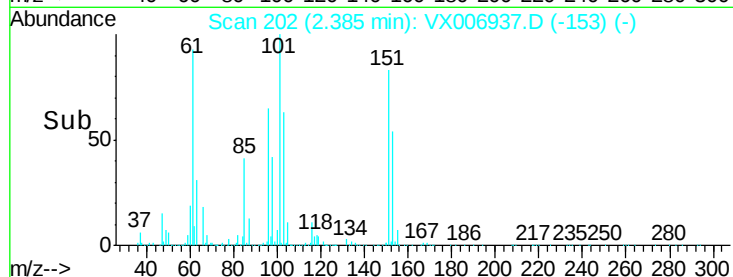
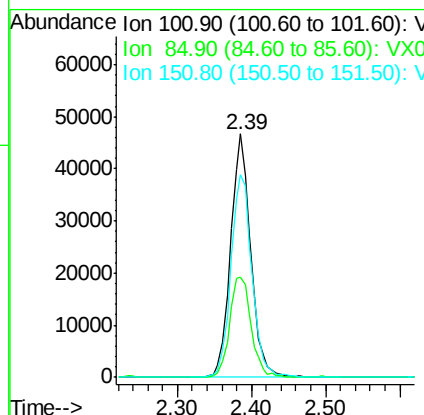
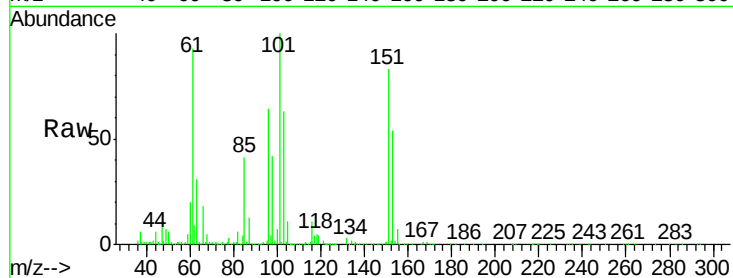
ClientSampleId :

VX0107WBSD01

Tot Ion:	101	Resp:	88103
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	86.7	68.9	103.3

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#10

Methyl Iodide

Concen: 18.395 ug/l

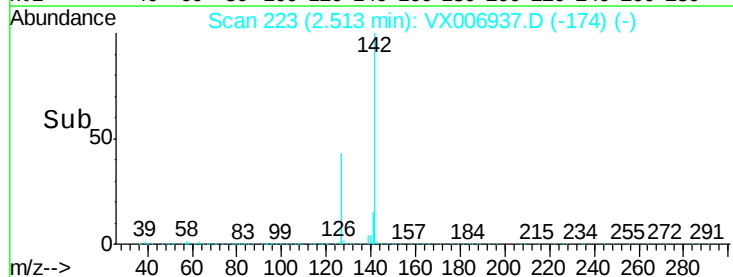
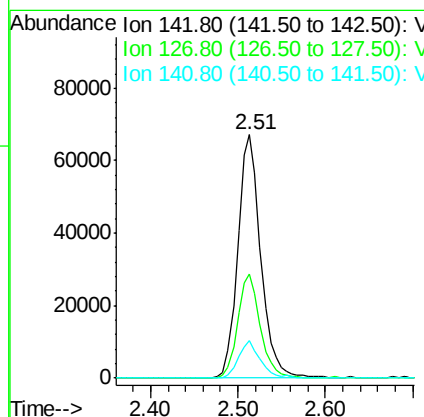
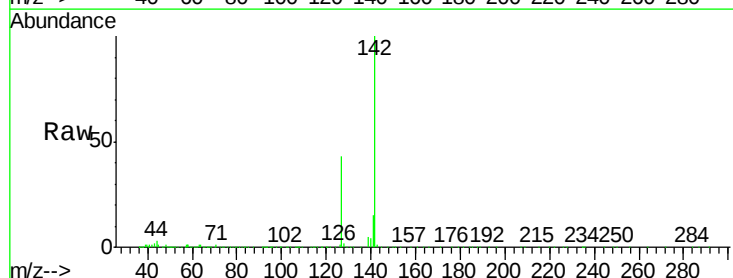
RT: 2.51 min Scan# 223

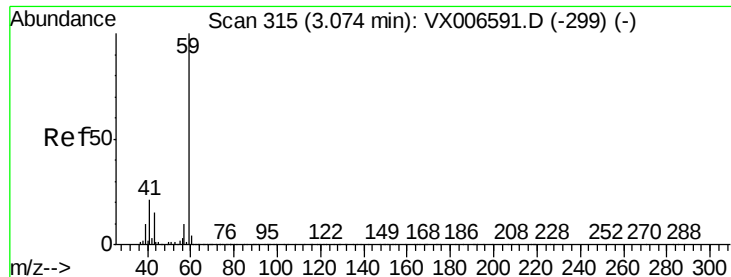
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	142	Resp:	123028
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.7	11.4	17.0





#11

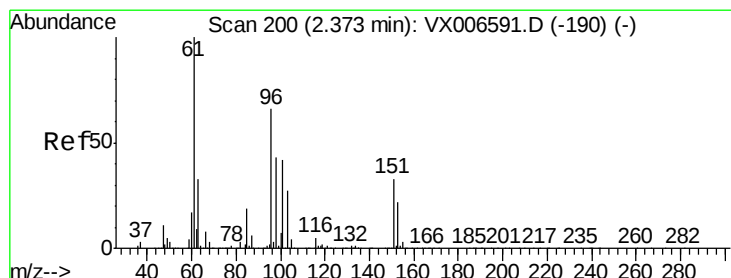
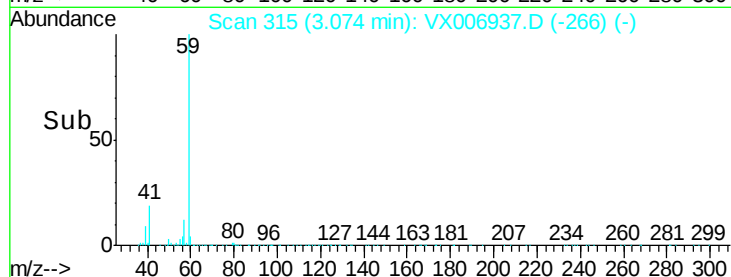
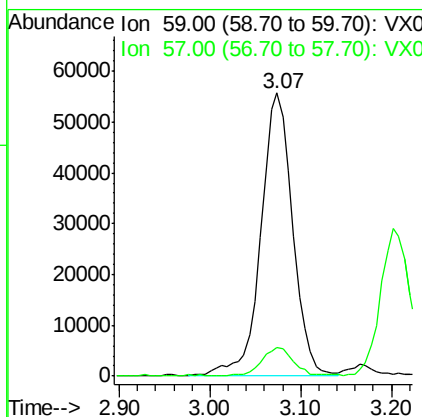
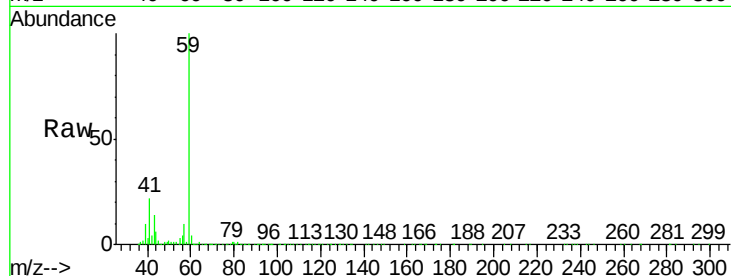
Tert butyl alcohol
Concen: 112.626 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
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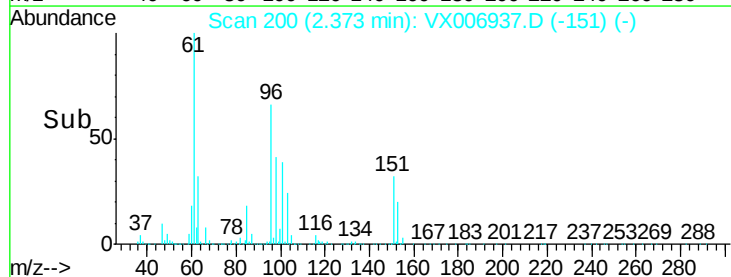
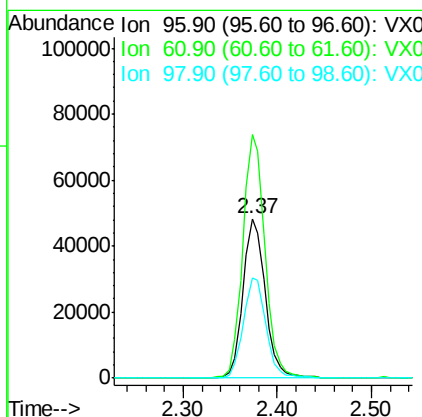
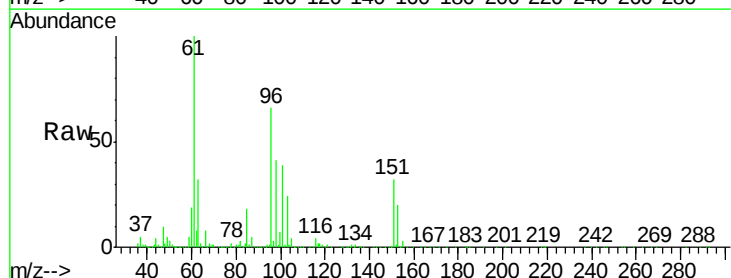
MMDadoda
1/8/2019 9:33:37 AM

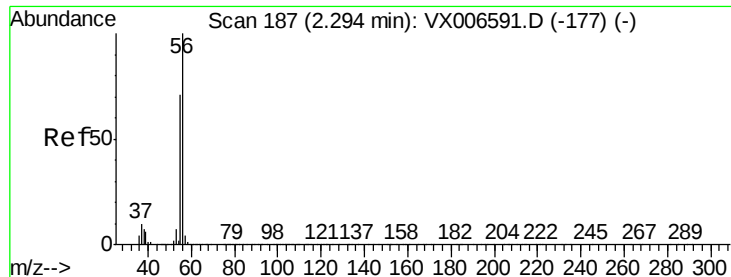


#12

1,1-Dichloroethene
Concen: 17.850 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	121.4	182.2
98	62.9	51.9	77.9





#13

Acrolein

Concen: 88.778 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 56 Resp: 71427

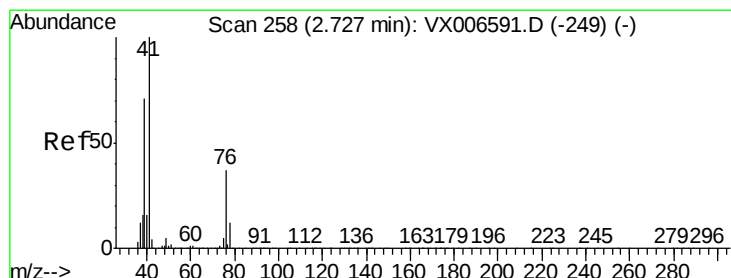
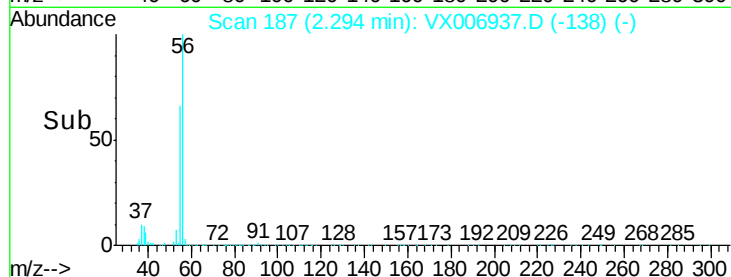
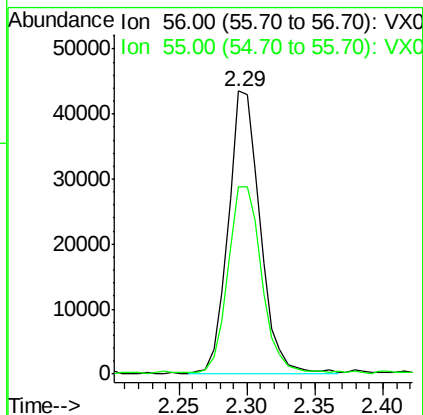
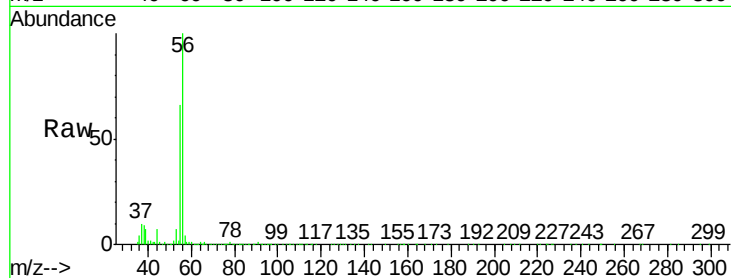
Ion Ratio Lower Upper

56 100

55 68.9 58.2 87.4

Manual Integrations
APPROVED

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1/8/2019 9:33:37 AM



#14

Allyl chloride

Concen: 18.830 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

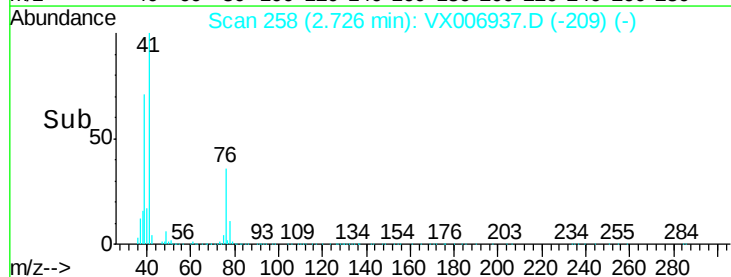
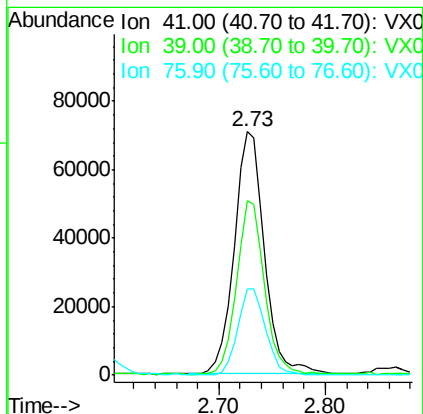
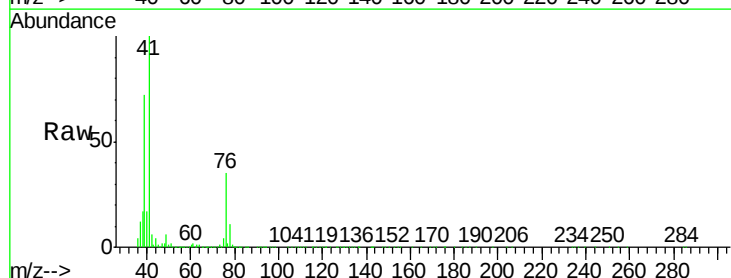
Tgt Ion: 41 Resp: 140415

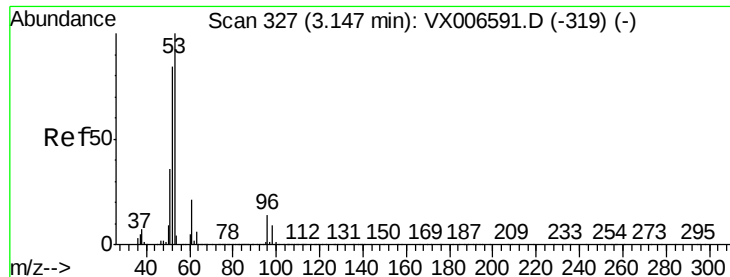
Ion Ratio Lower Upper

41 100

39 66.5 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 107.127 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

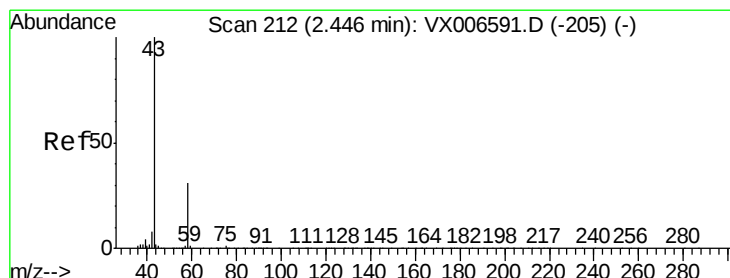
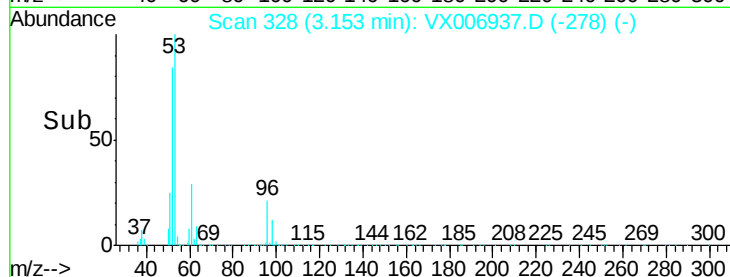
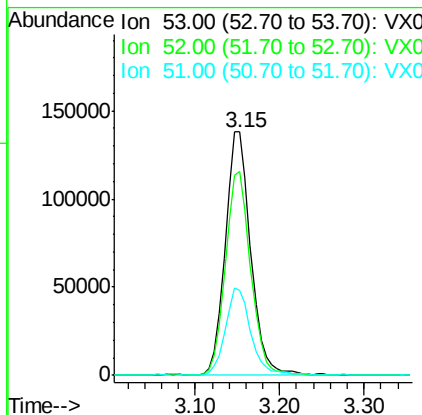
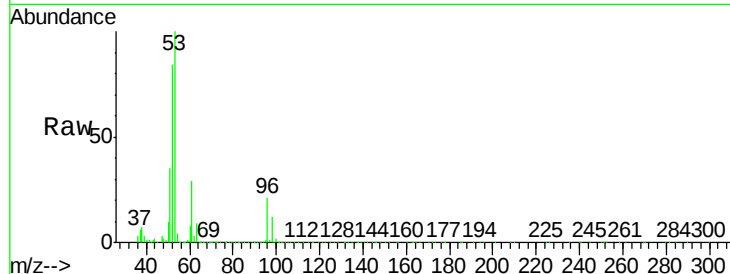
ClientSampleId :

VX0107WBSD01

Tot Ion:	53	Resp:	283673
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	35.7	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 96.926 ug/l

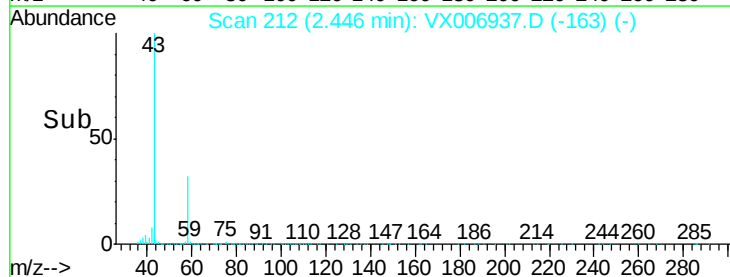
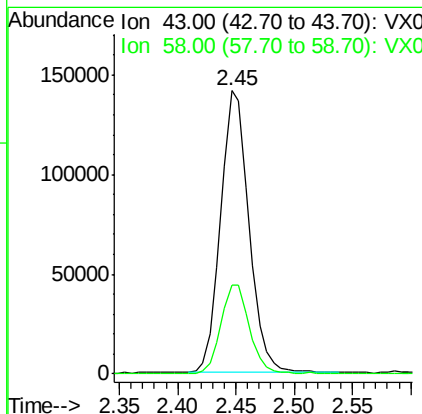
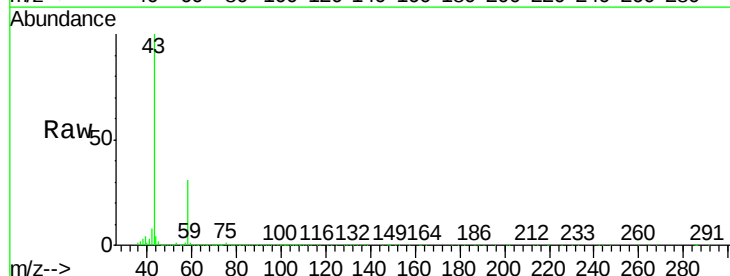
RT: 2.45 min Scan# 212

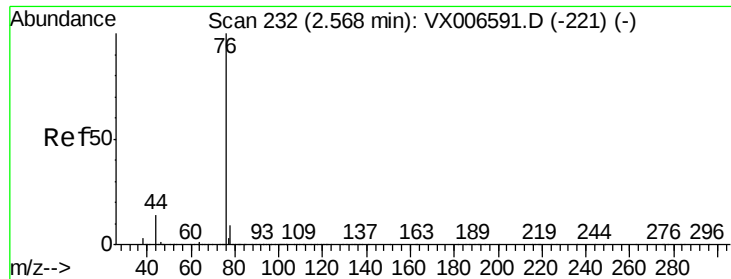
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	43	Resp:	237970
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.0	37.6





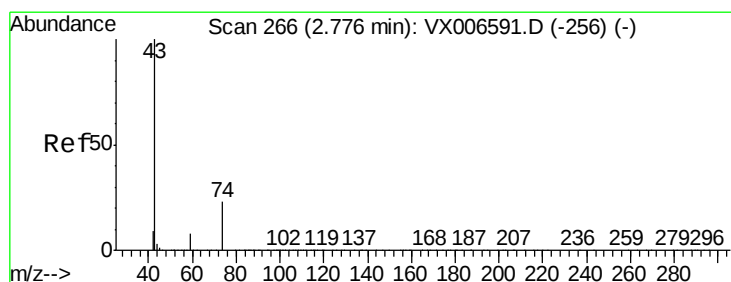
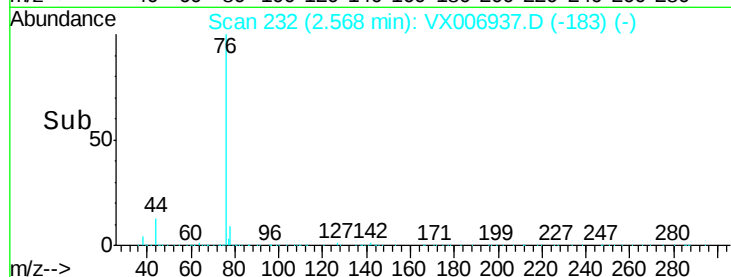
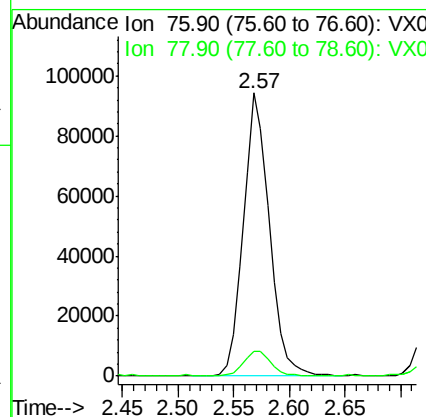
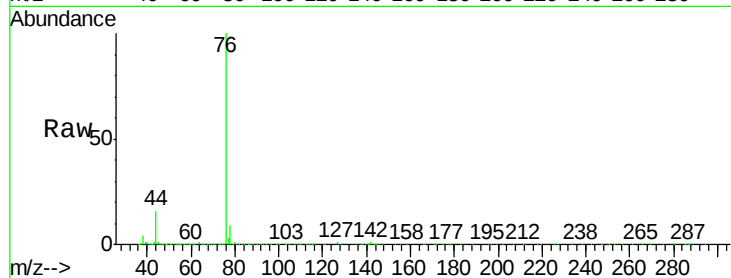
#17
Carbon Disulfide
Concen: 12.929 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

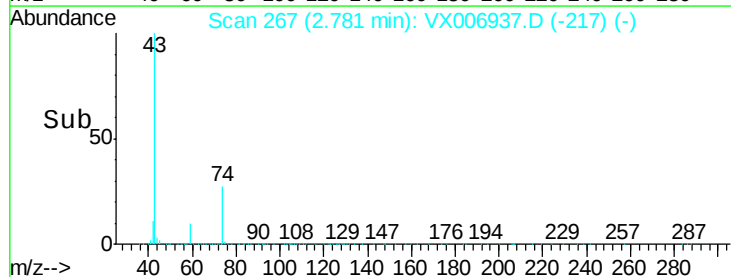
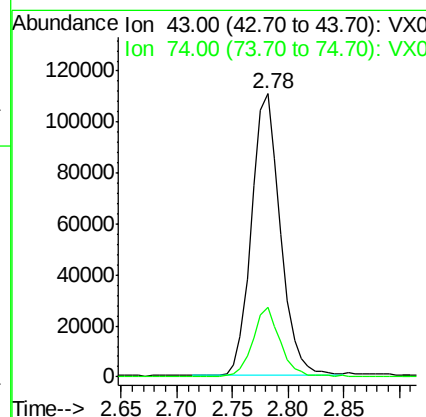
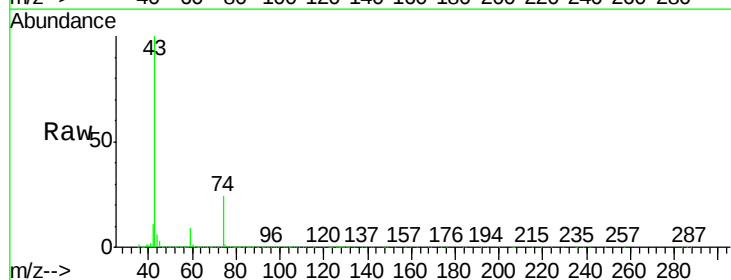
Manual Integrations
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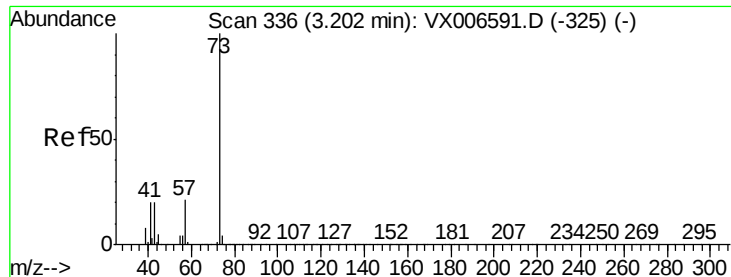
MMDadoda
1/8/2019 9:33:37 AM



#18
Methyl Acetate
Concen: 27.759 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





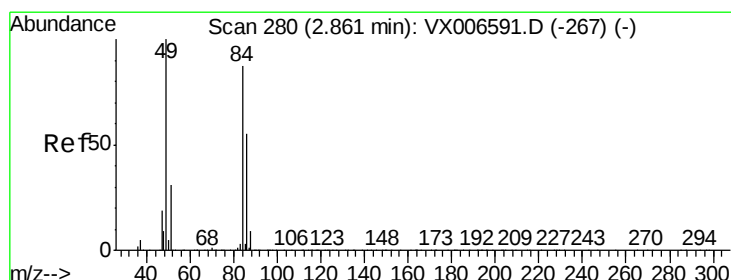
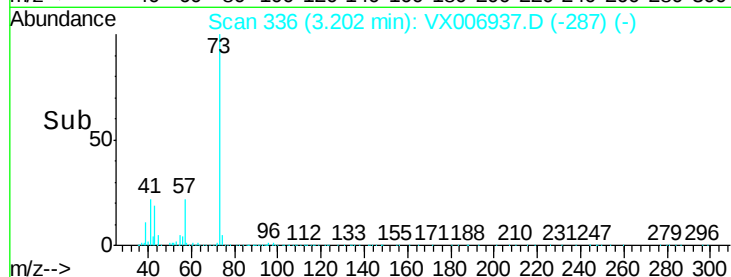
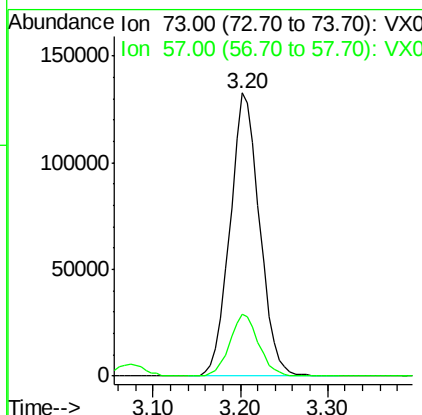
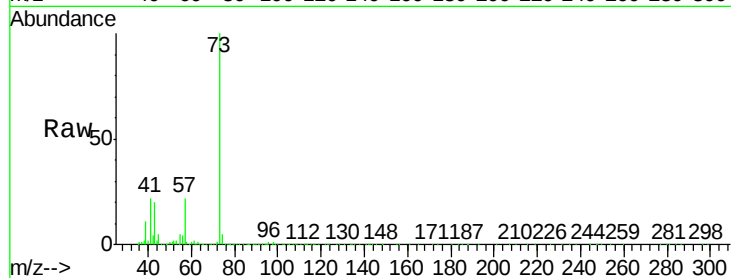
#19
Methvl tert-butvl Ether
Concen: 21.187 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

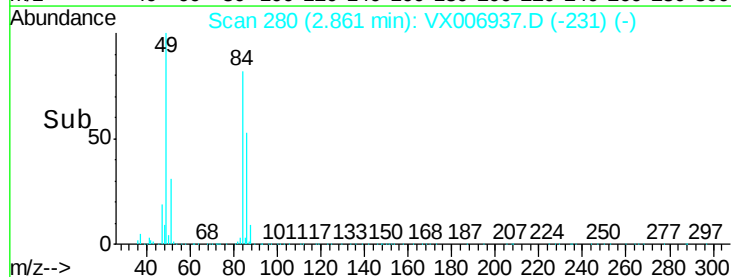
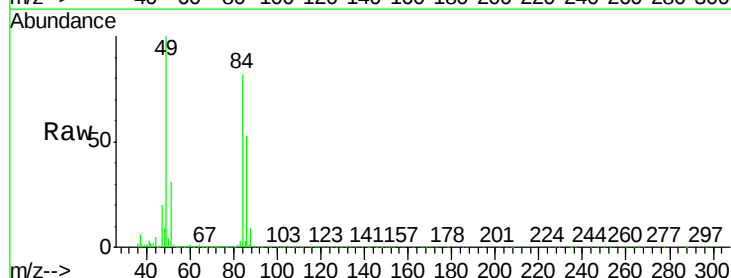
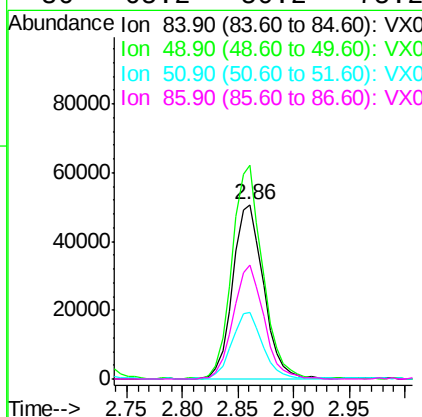
Manual Integrations
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1/8/2019 9:33:37 AM



#20
Methylene Chloride
Concen: 19.135 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	91.8	137.6
51	38.1	28.5	42.7
86	65.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.298 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

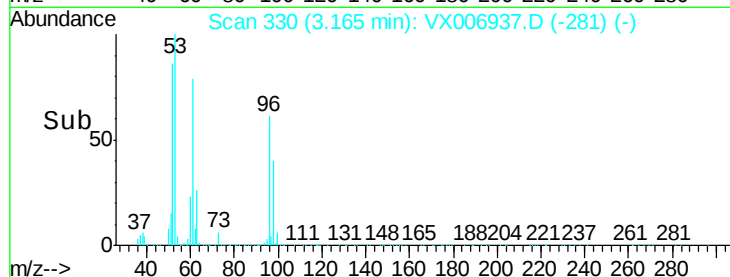
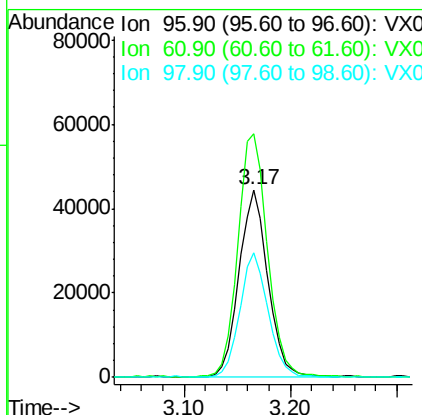
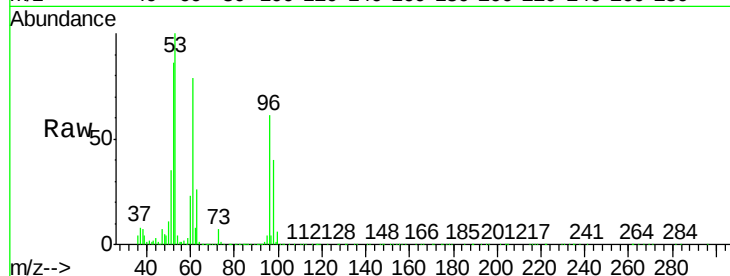
ClientSampleId :

VX0107WBSD01

Tot Ion:	96	Resp:	84908
Ion	Ratio	Lower	Upper
96	100		
61	129.4	103.7	155.5
98	66.3	51.0	76.6

Manual Integrations
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MMDadoda
1/8/2019 9:33:37 AM



#22

Diisopropyl ether

Concen: 21.032 ug/l

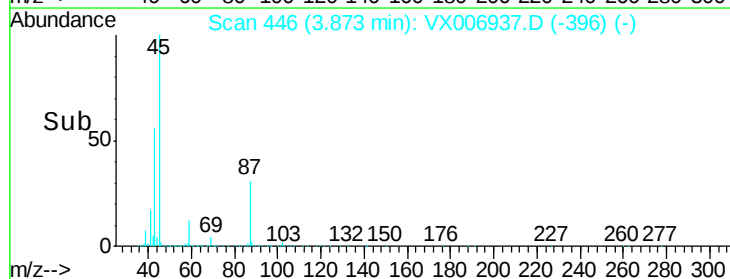
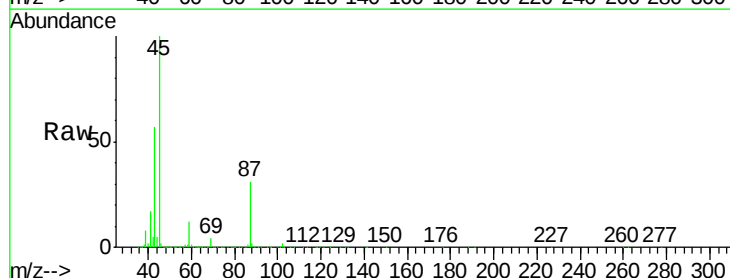
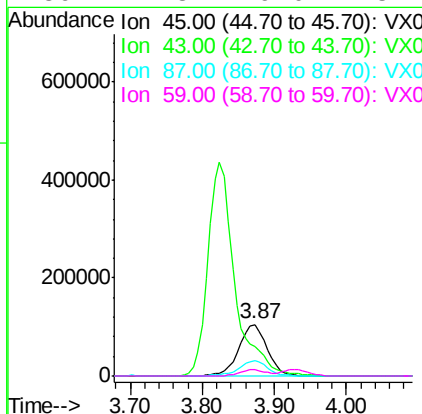
RT: 3.87 min Scan# 446

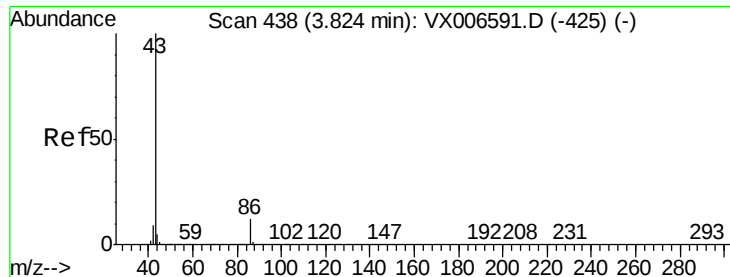
Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	45	Resp:	286926
Ion	Ratio	Lower	Upper
45	100		
43	56.1	51.2	76.8
87	30.6	25.8	38.6
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 101.761 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleID :

VX0107WBSD01

Tot Ion: 43 Resp: 1135546

Ion Ratio Lower Upper

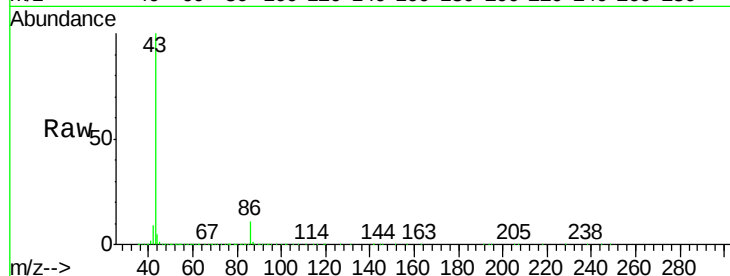
43 100

86 11.4 9.2 13.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

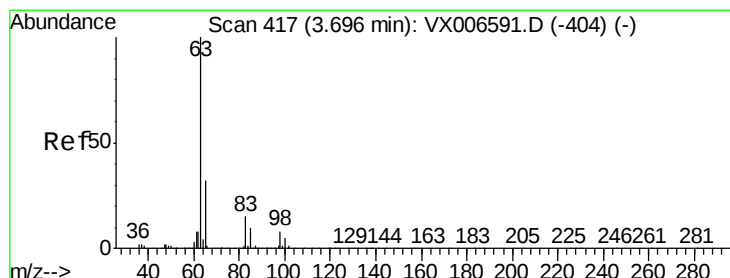
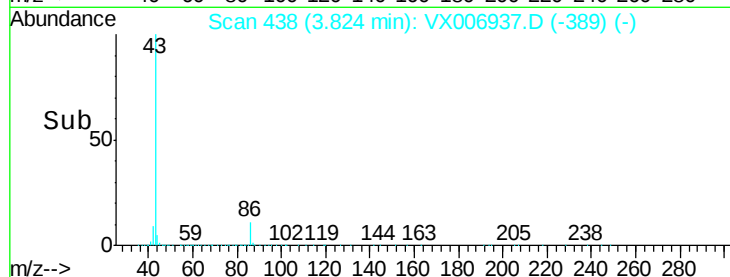
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.201 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

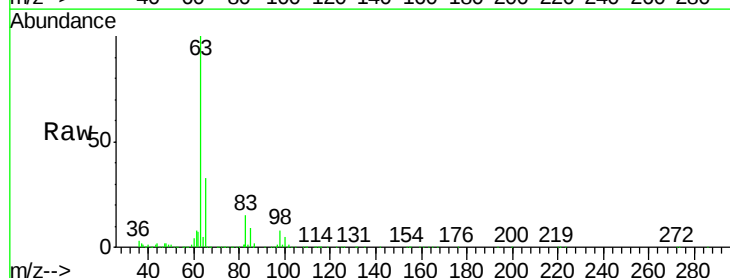
Tgt Ion: 63 Resp: 156371

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 4.5 2.4 7.2



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

80000

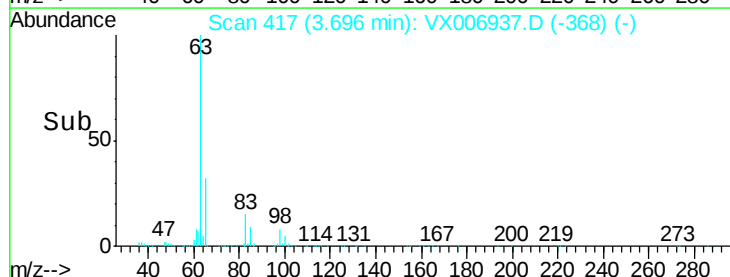
60000

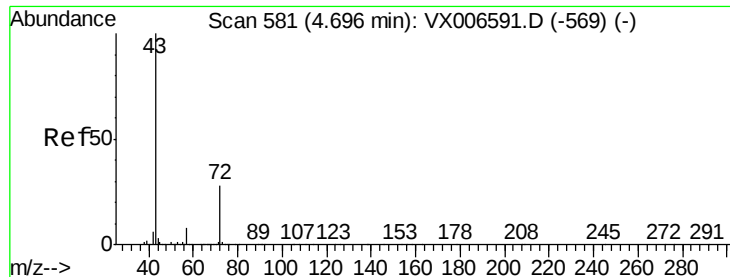
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.178 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 43 Resp: 352875

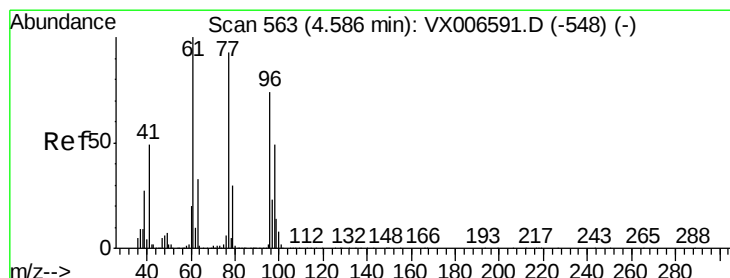
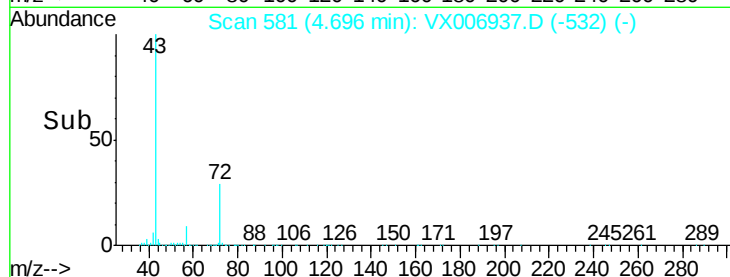
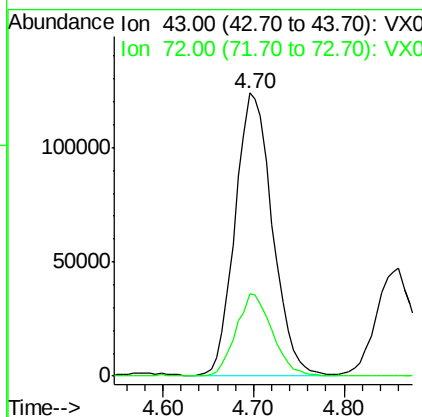
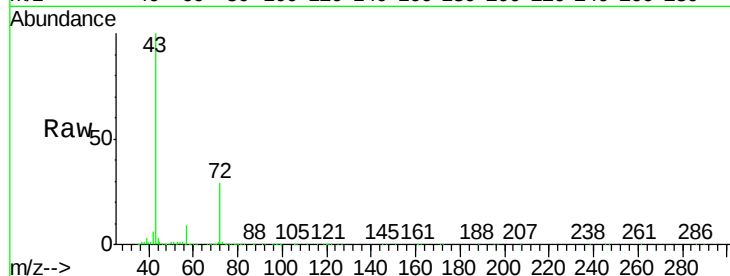
Ion Ratio Lower Upper

43 100

72 29.2 22.4 33.6

Manual Integrations
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MMDadoda
1/8/2019 9:33:37 AM



#26

2,2-Dichloropropane

Concen: 16.820 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006937.D

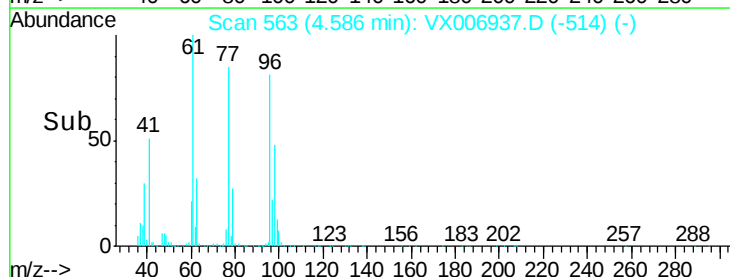
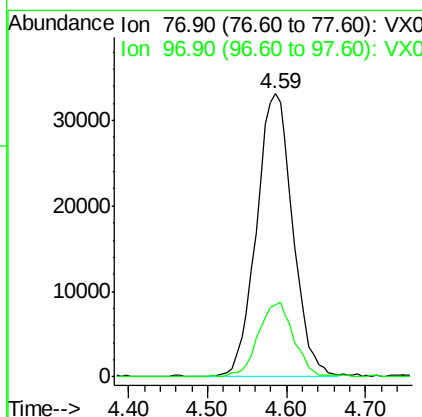
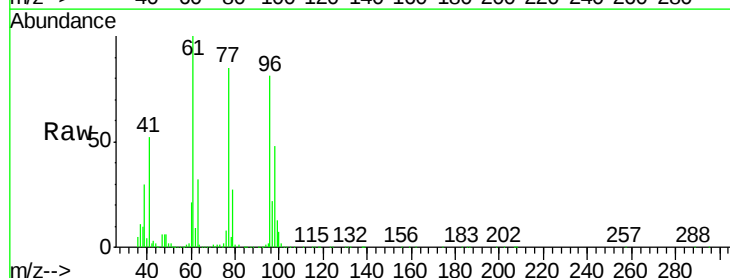
Acq: 07 Jan 2019 15:55

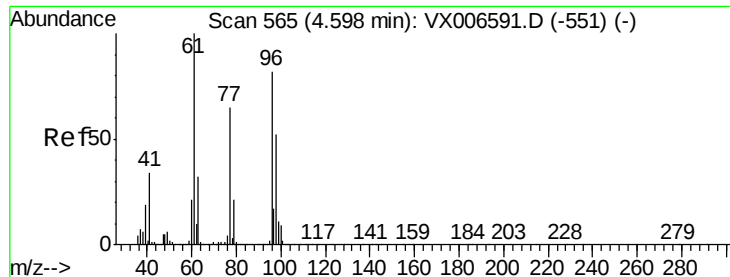
Tgt Ion: 77 Resp: 105809

Ion Ratio Lower Upper

77 100

97 26.0 12.4 37.4





#27

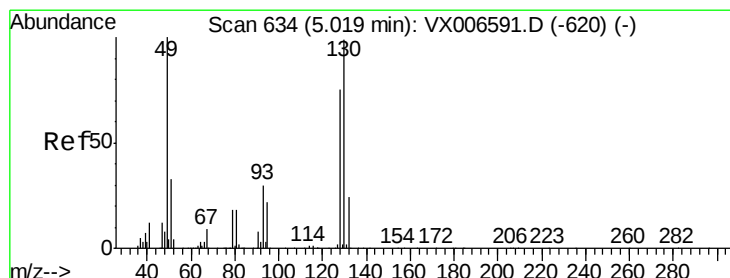
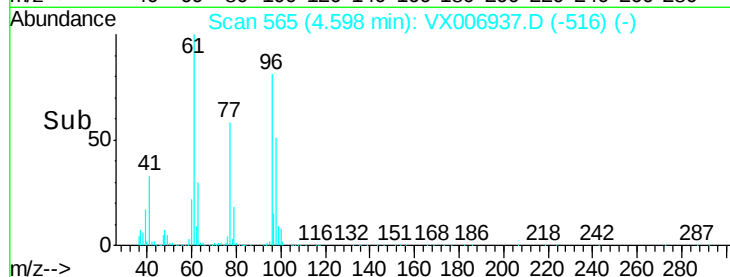
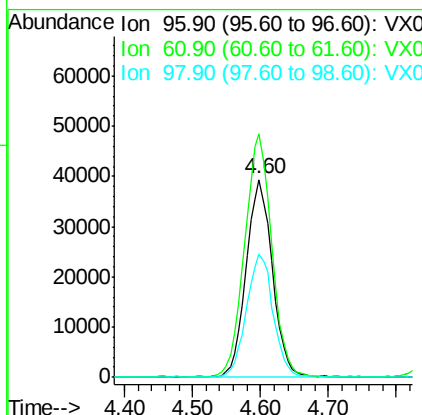
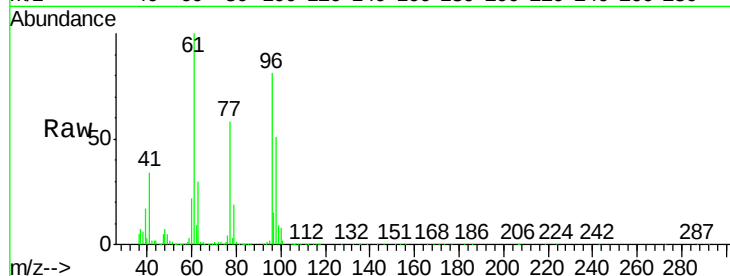
cis-1,2-Dichloroethene
Concen: 19.648 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106412		
61	125.3		0.0	258.6
98	63.4		0.0	132.0

Manual Integrations
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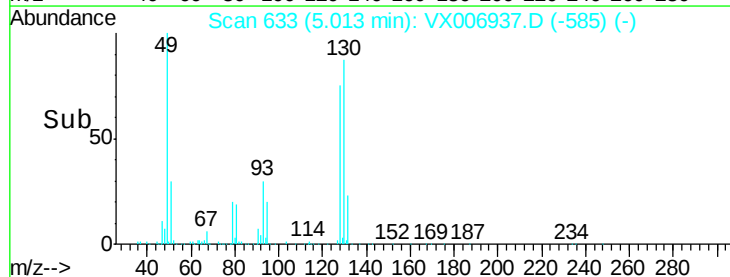
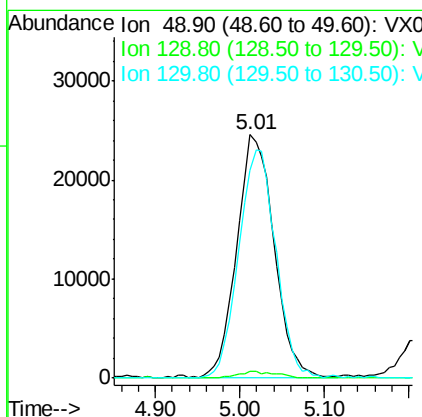
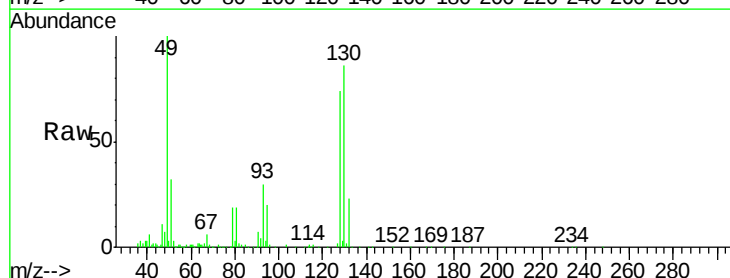
MMDadoda
1/8/2019 9:33:37 AM

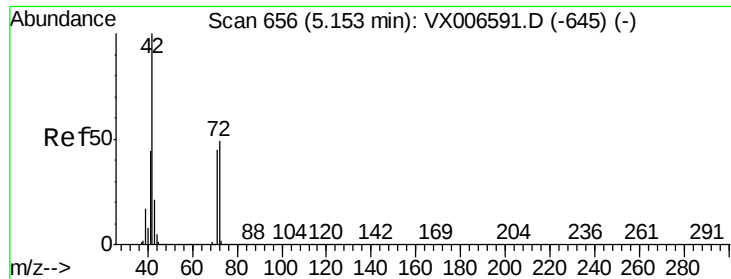


#28

Bromochloromethane
Concen: 20.478 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74058		
129	2.9		0.0	5.4
130	92.7		77.7	116.5





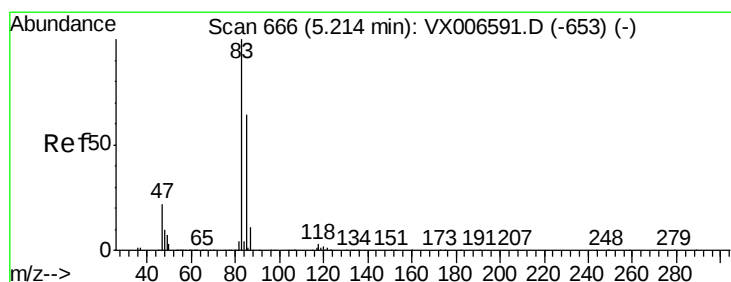
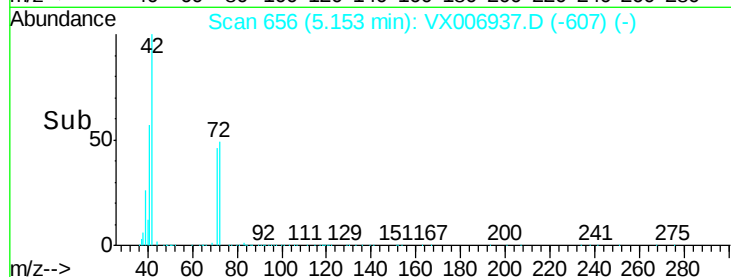
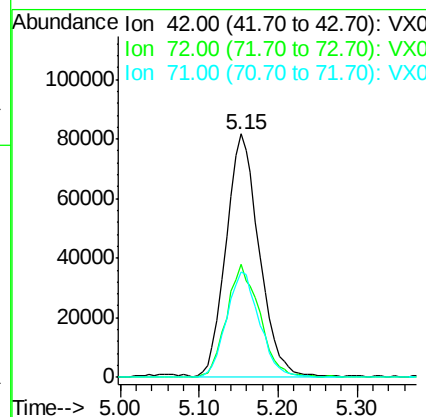
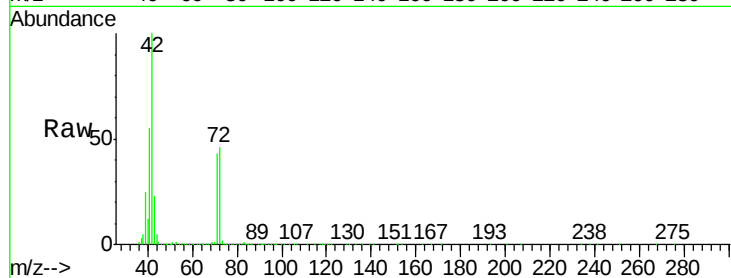
#29
Tetrahydrofuran
Concen: 104.463 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.9	58.3
71	43.7	36.2	54.4

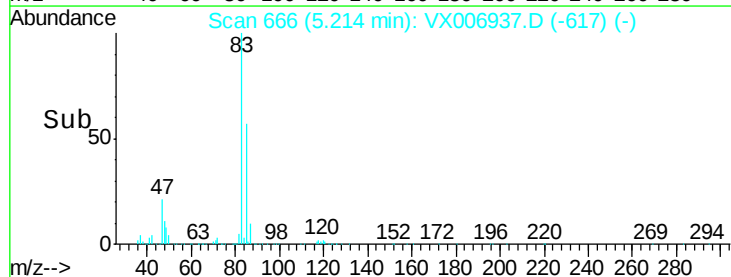
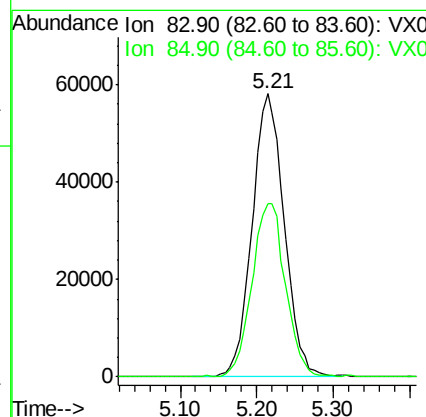
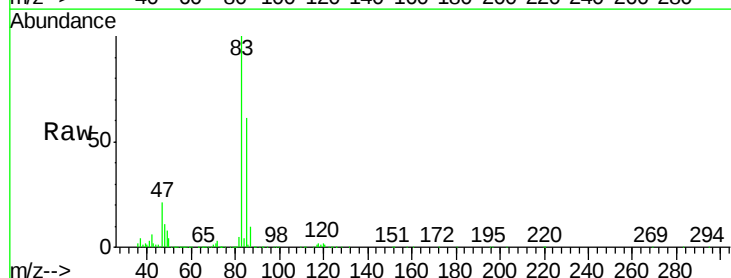
Manual Integrations
APPROVED

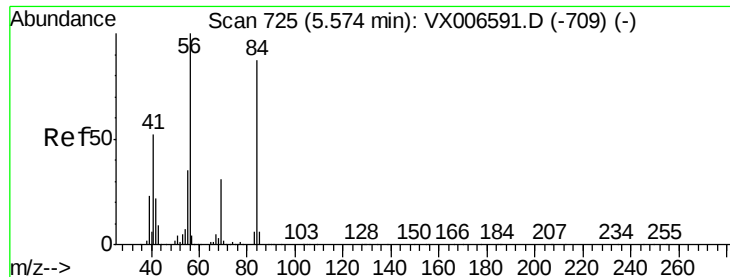
MMDadoda
1/8/2019 9:33:37 AM



#30
Chloroform
Concen: 20.212 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.2	76.8





#31

Cyclohexane

Concen: 16.581 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

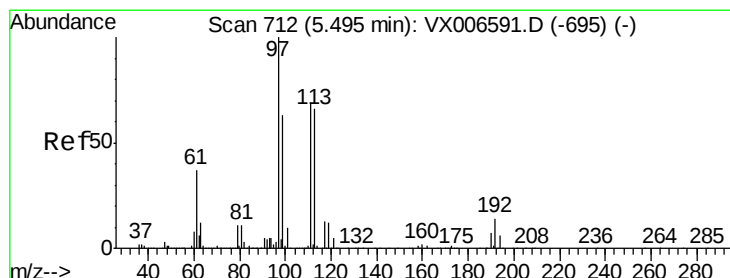
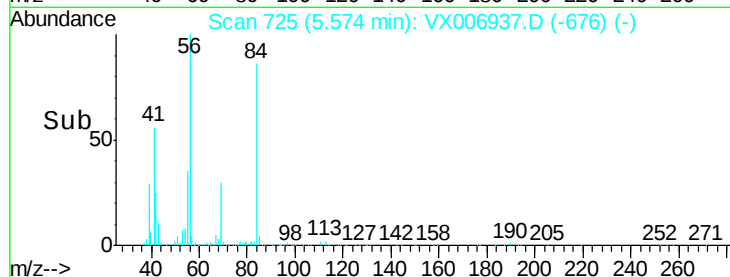
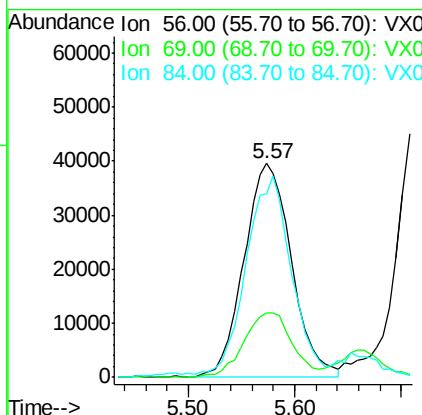
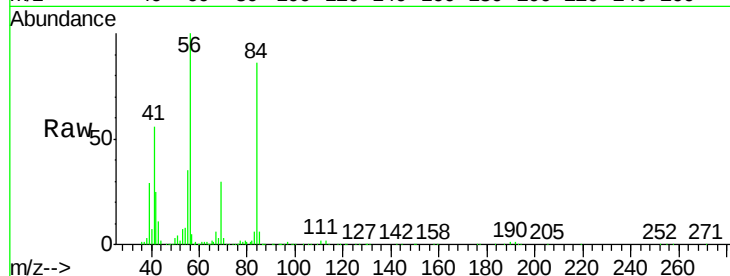
ClientSampleId :

VX0107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.1	24.4	36.6	
84	83.8	70.0	105.0	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.398 ug/l

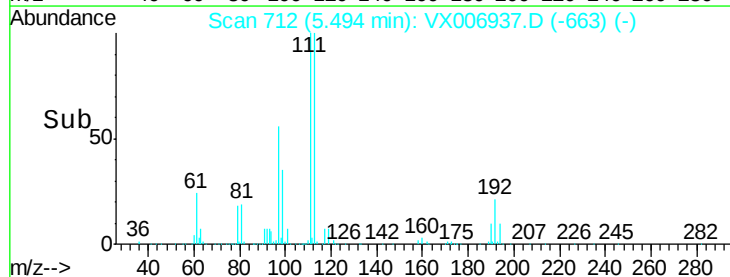
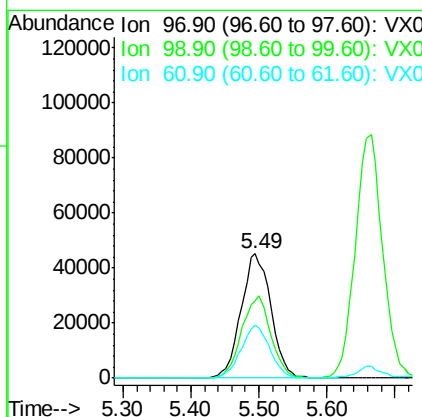
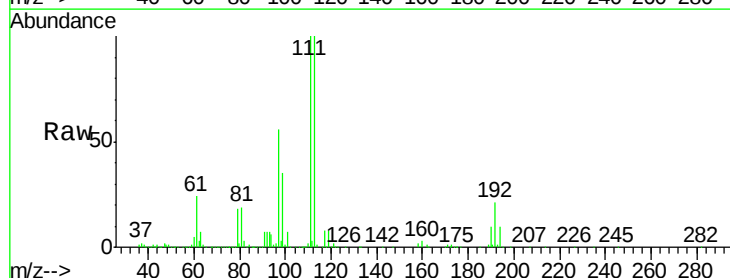
RT: 5.49 min Scan# 712

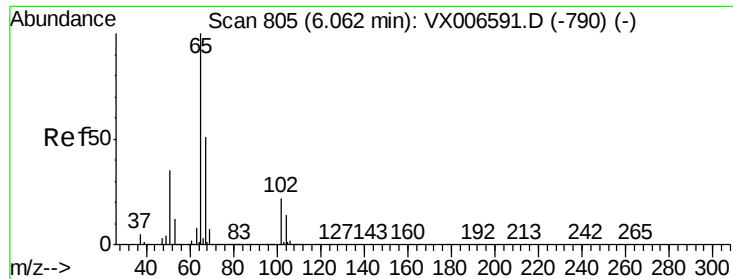
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	51.7	77.5	
61	41.2	31.3	46.9	





#33

1,2-Dichloroethane-d4

Concen: 50.957 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 65 Resp: 272310

Ion Ratio Lower Upper

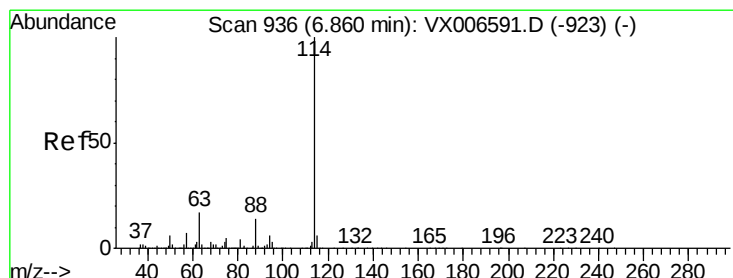
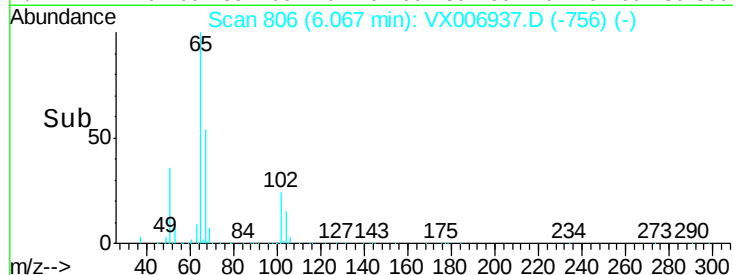
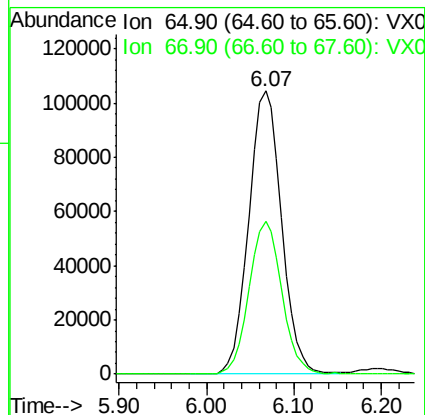
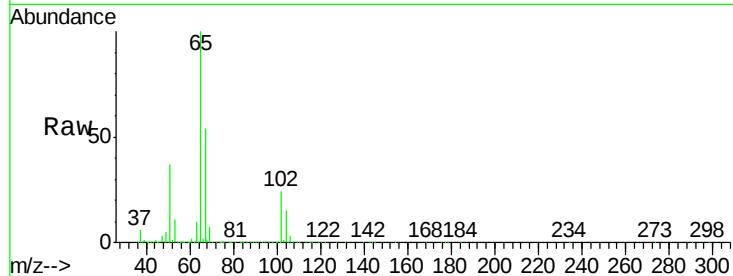
65 100

67 53.5 0.0 105.0

Manual Integrations
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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: VX006937.D

Acq: 07 Jan 2019 15:55

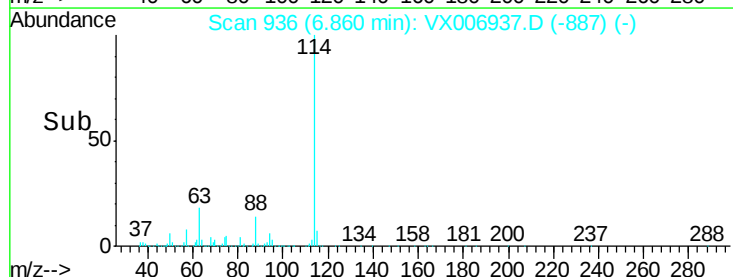
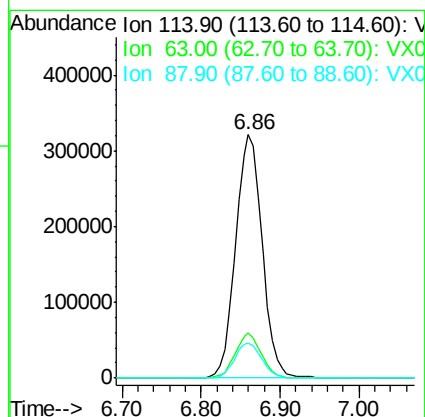
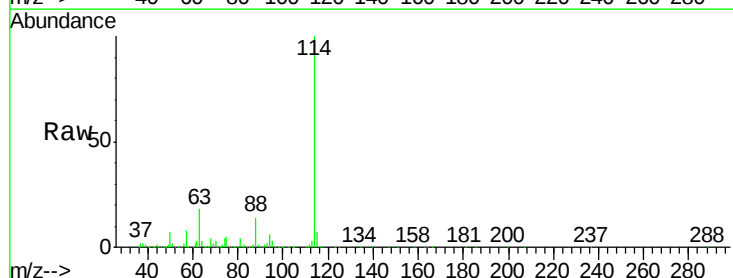
Tgt Ion: 114 Resp: 752265

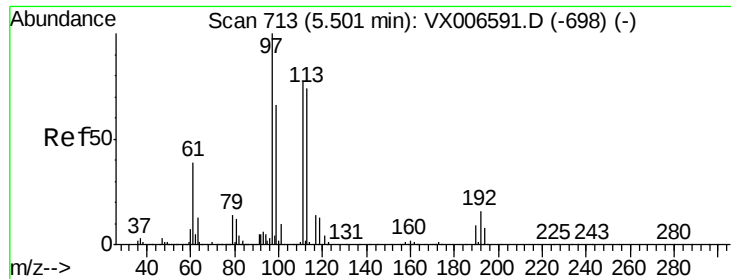
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 52.757 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

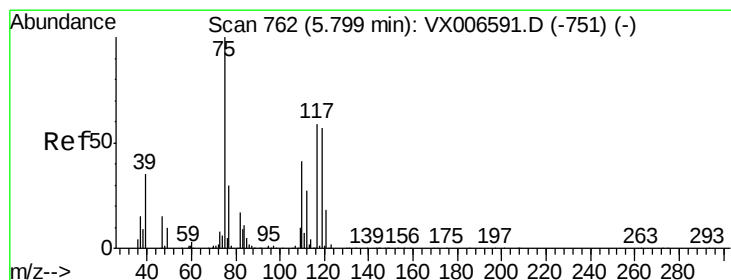
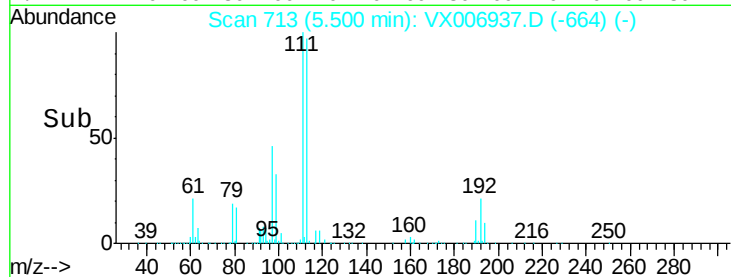
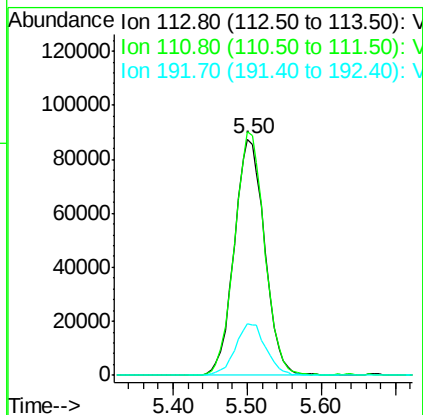
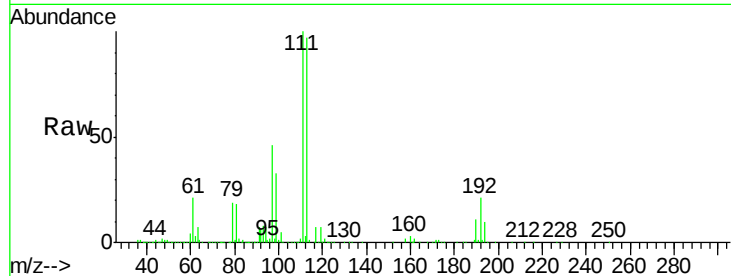
ClientSampleId :

VX0107WBSD01

Tot Ion:	113	Resp:	250973
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.6	122.4
192	22.0	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.118 ug/l

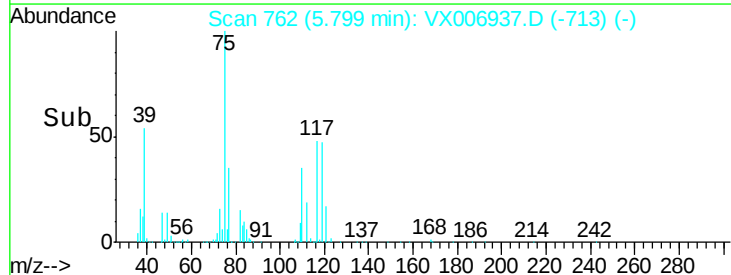
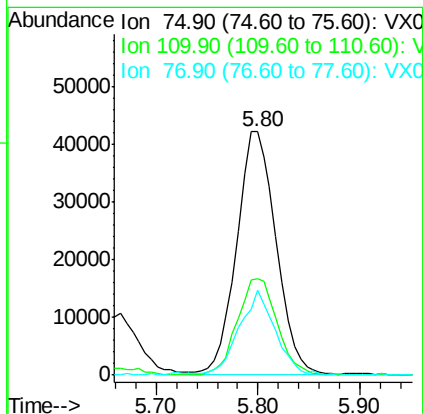
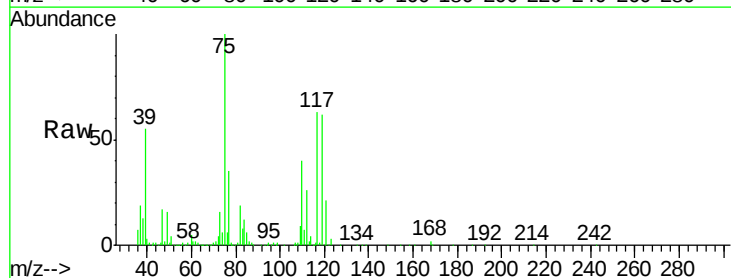
RT: 5.80 min Scan# 762

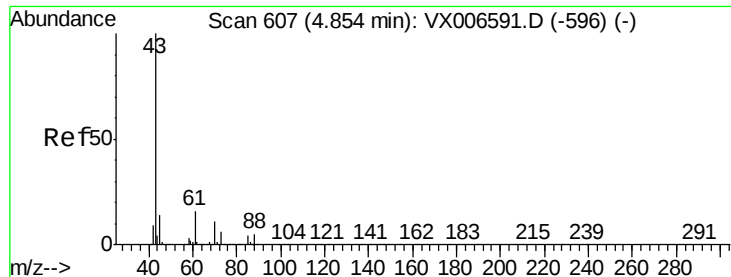
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	75	Resp:	112883
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.2	60.5
77	31.0	24.8	37.2





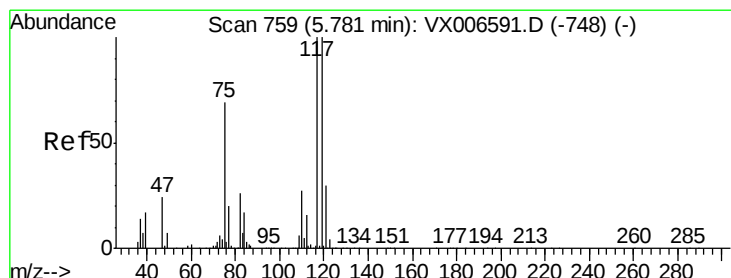
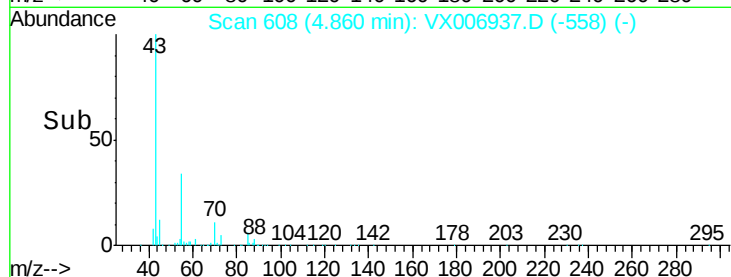
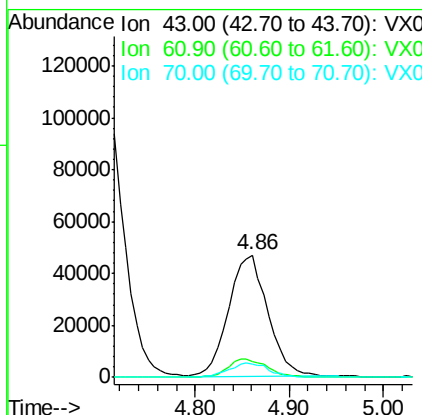
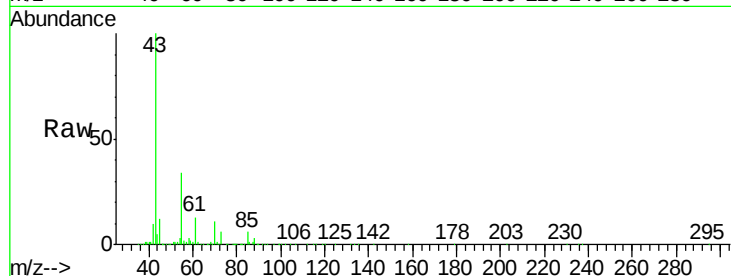
#37
Ethyl Acetate
Concen: 20.853 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	12.0	9.7	14.5

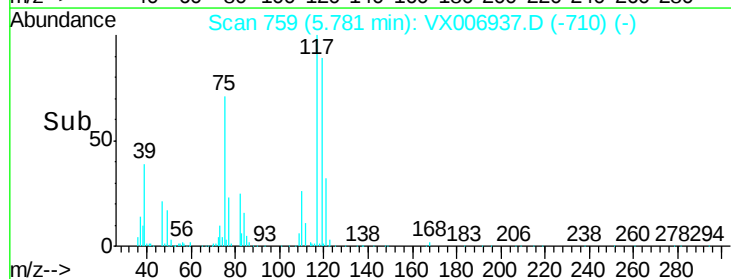
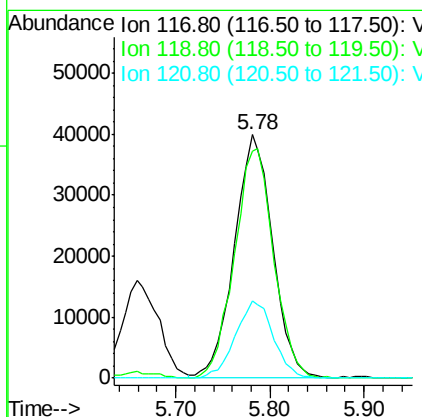
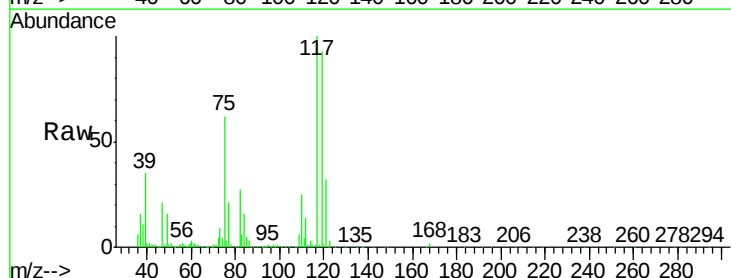
Manual Integrations
APPROVED

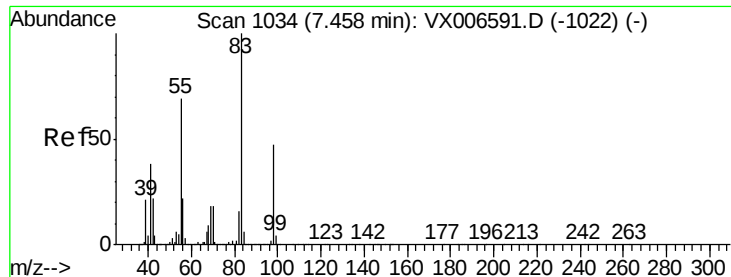
MMDadoda
1/8/2019 9:33:37 AM



#38
Carbon Tetrachloride
Concen: 18.597 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.4	119.2
121	31.7	24.0	36.0





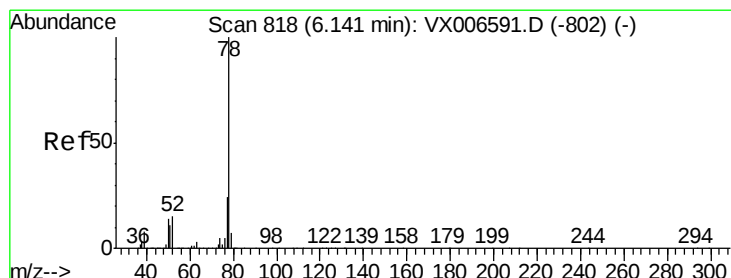
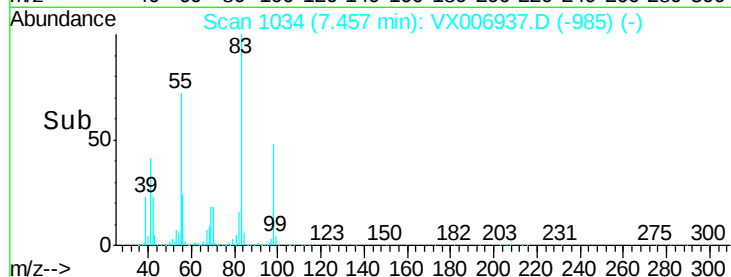
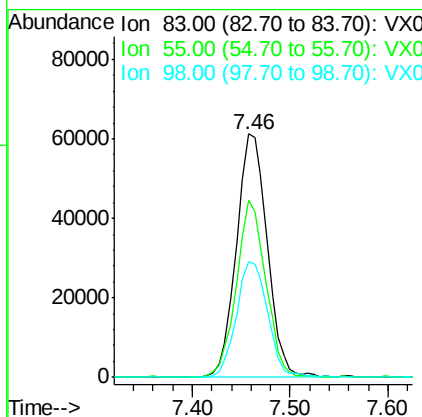
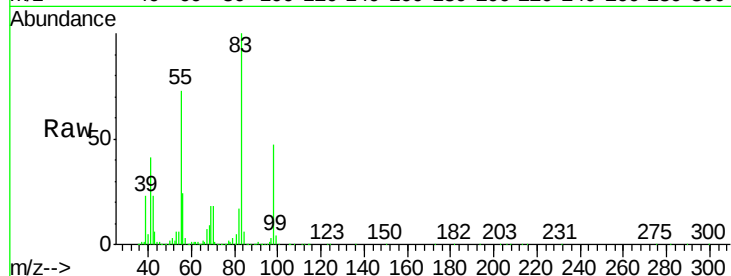
#39
Methvlcvclohexane
Concen: 16.400 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	54.9	82.3
98	47.5	37.9	56.9

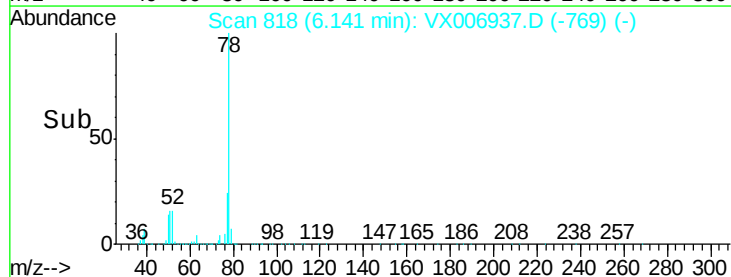
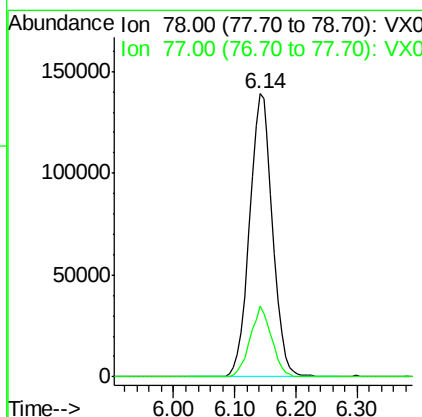
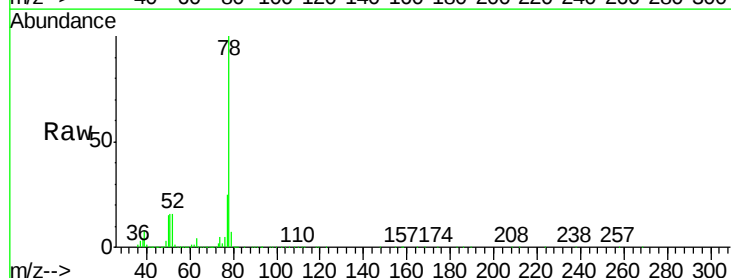
Manual Integrations
APPROVED

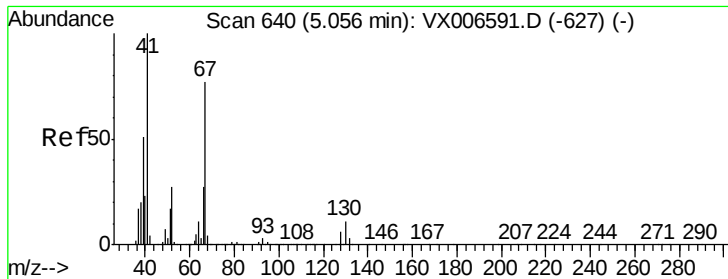
MMDadoda
1/8/2019 9:33:37 AM



#40
Benzene
Concen: 19.342 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8





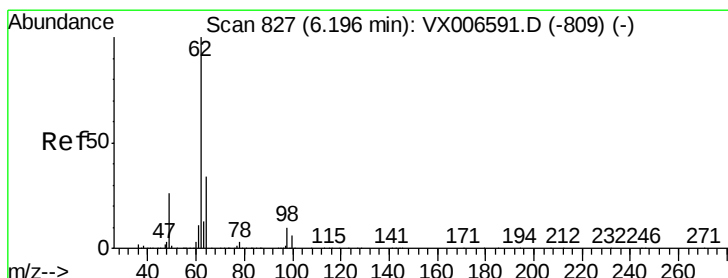
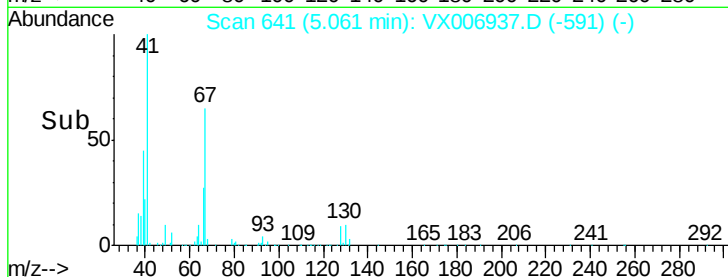
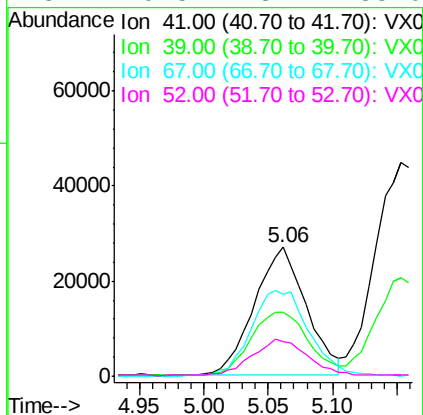
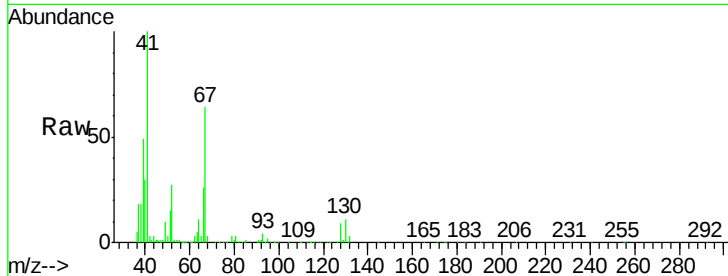
#41
Methacrylonitrile
Concen: 21.911 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampled :
VX0107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	42.8	64.2	
67	75.1	62.1	93.1	
52	29.5	23.4	35.0	

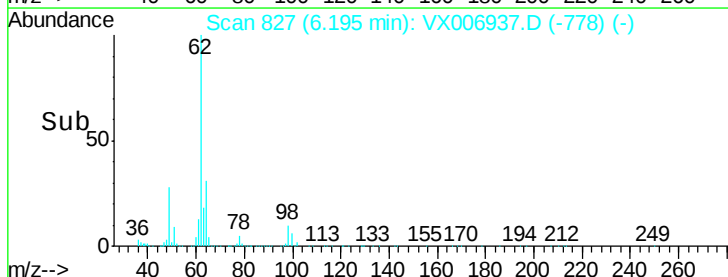
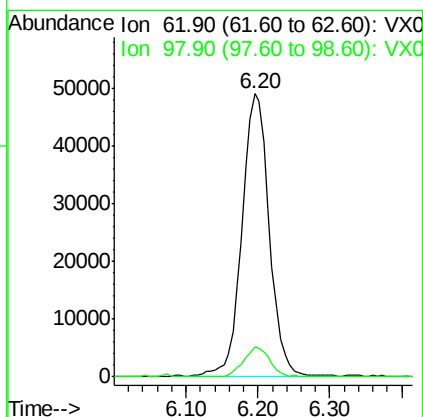
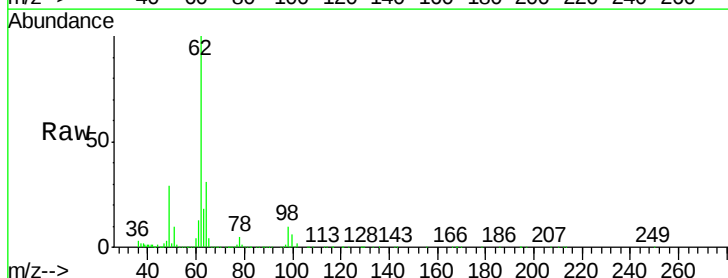
Manual Integrations
APPROVED

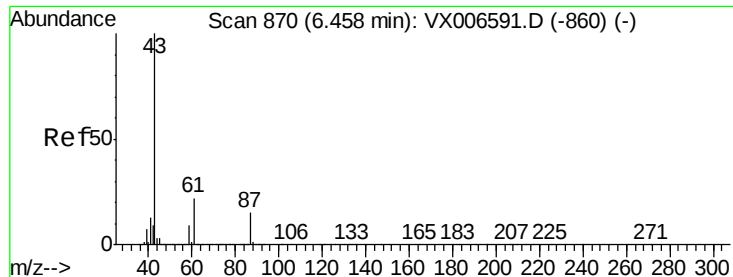
MMDadoda
1/8/2019 9:33:37 AM



#42
1,2-Dichloroethane
Concen: 19.794 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





#43

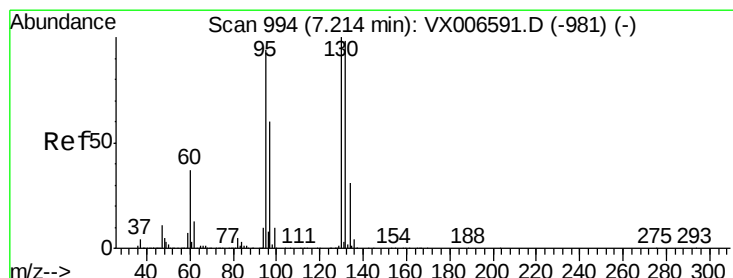
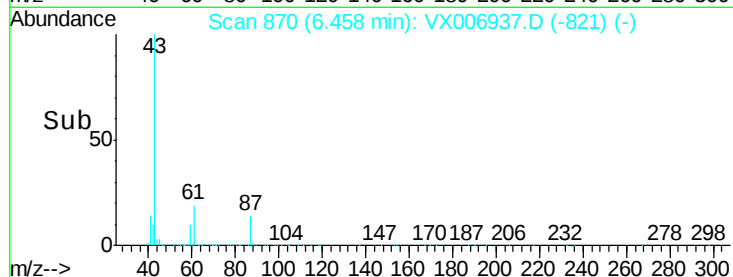
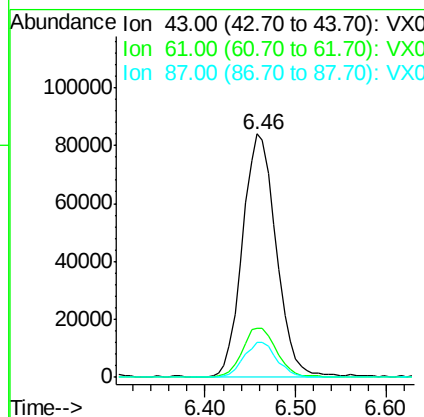
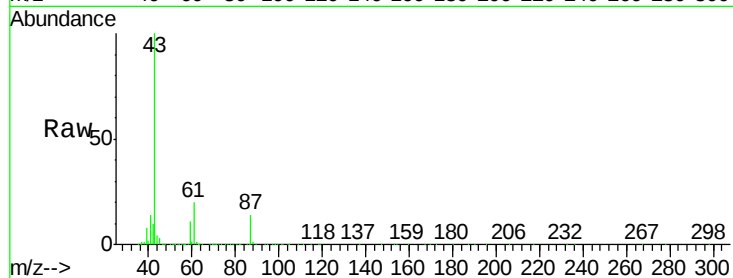
Isopropyl Acetate
 Concen: 21.848 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.8	25.2
87	14.2	12.4	18.6

Manual Integrations
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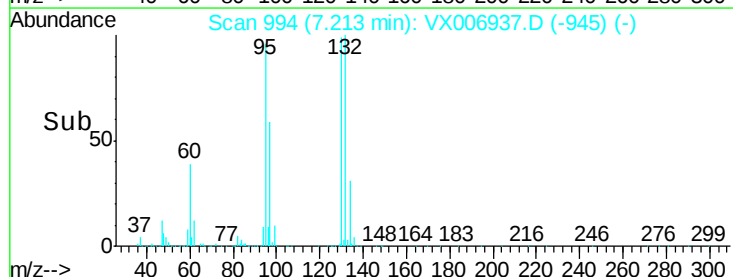
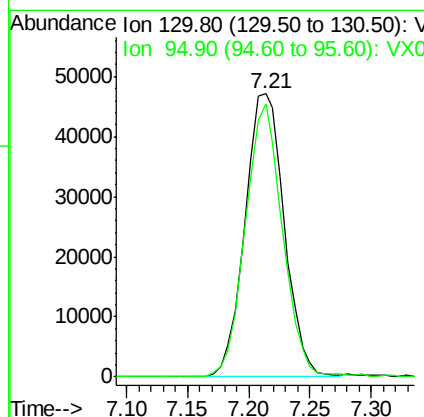
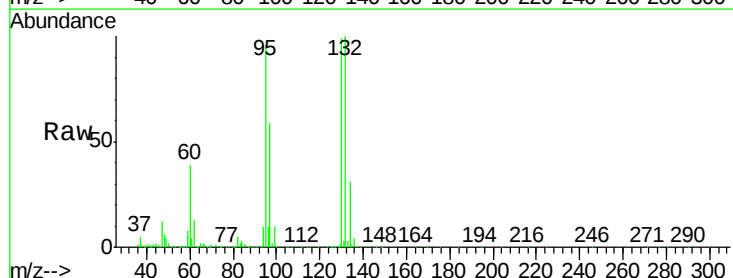
MMDadoda
 1/8/2019 9:33:37 AM



#44

Trichloroethene
 Concen: 18.401 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.096 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 63 Resp: 92615

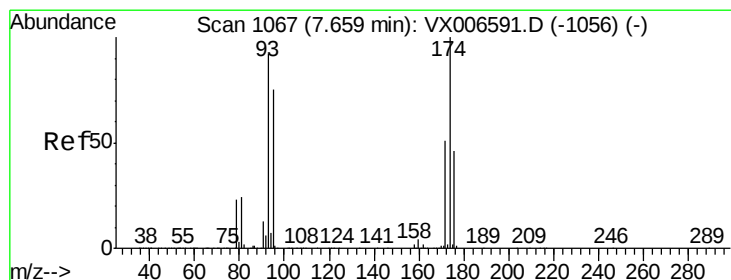
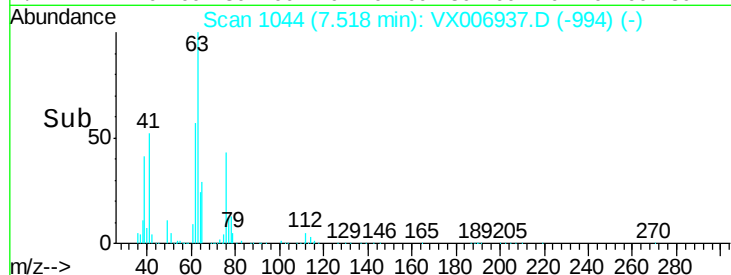
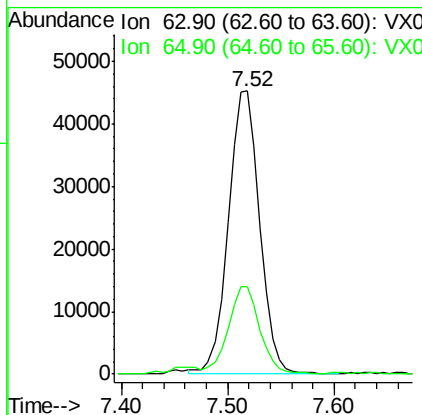
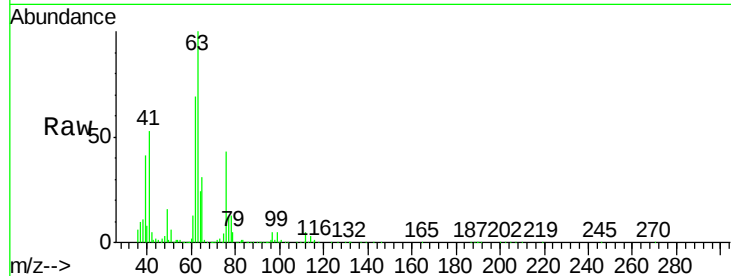
Ion Ratio Lower Upper

63 100

65 30.3 25.4 38.0

Manual Integrations
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#46

Dibromomethane

Concen: 19.576 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

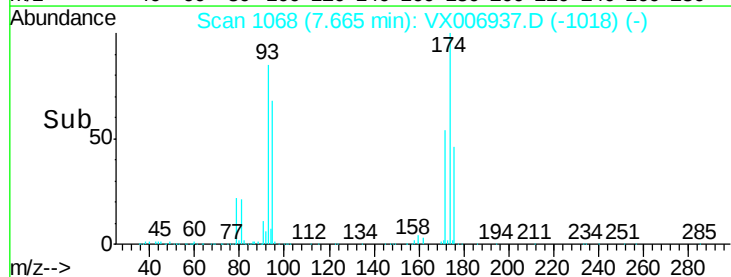
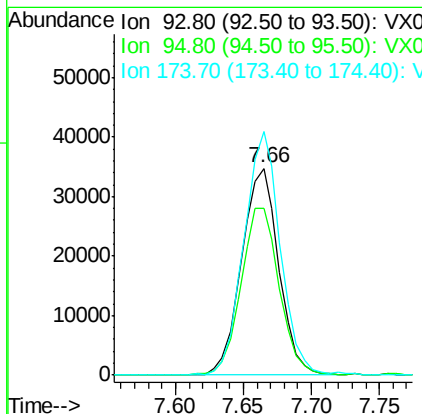
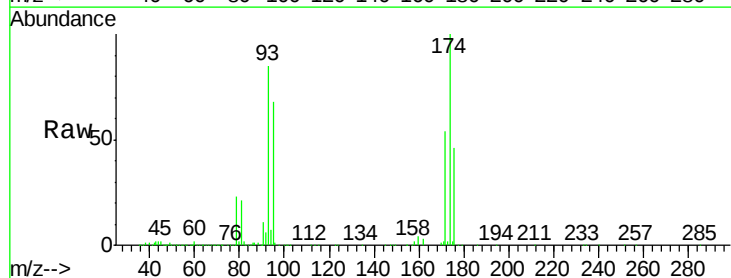
Tgt Ion: 93 Resp: 66363

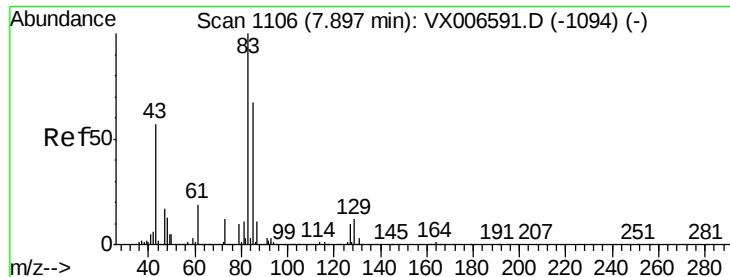
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 115.6 91.0 136.4





#47

Bromodichloromethane

Concen: 20.148 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

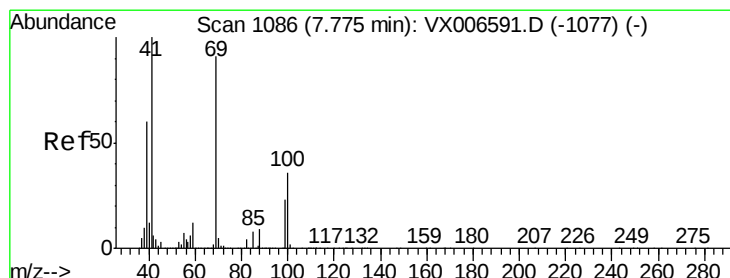
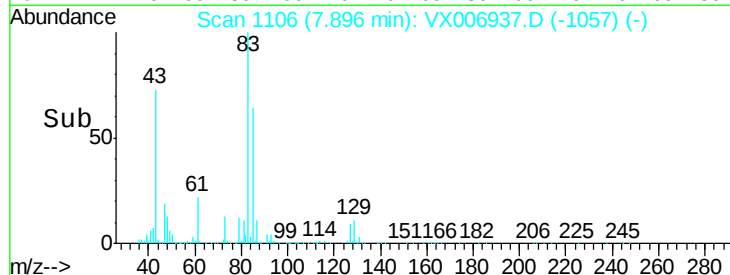
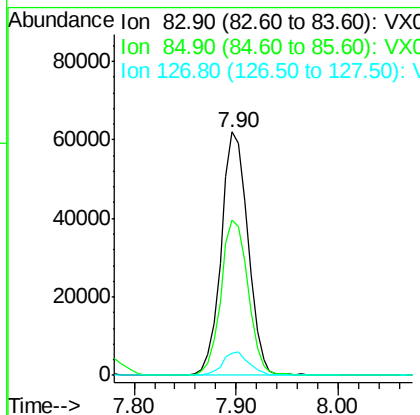
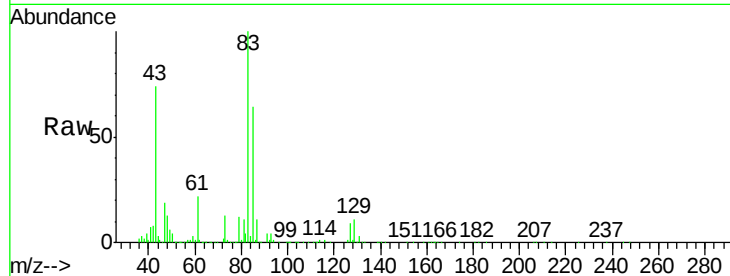
ClientSampleId :

VX0107WBSD01

Tot Ion:	83	Resp:	113395
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.485 ug/l

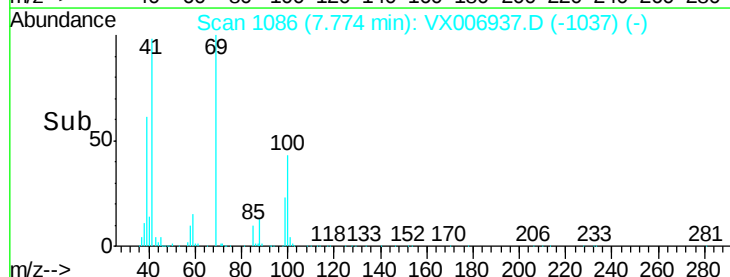
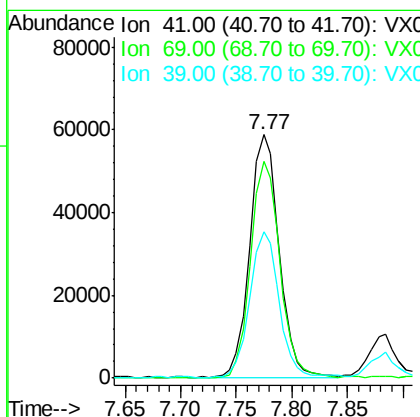
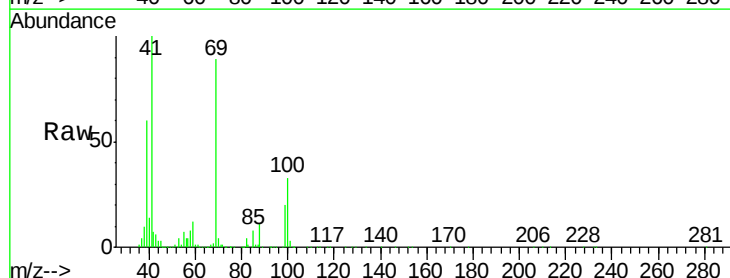
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	41	Resp:	107805
Ion Ratio	Lower	Upper	
41	100		
69	89.6	72.4	108.6
39	59.3	45.8	68.8





#49

1,4-Dioxane

Concen: 390.152 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

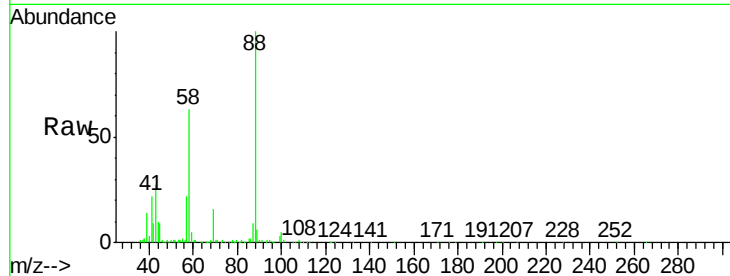
ClientSampleId :

VX0107WBSD01

Tot Ion:	88	Resp:	52812
Ion Ratio	Lower	Upper	
88	100		
43	29.8	22.2	33.4
58	66.0	51.0	76.4

Manual Integrations
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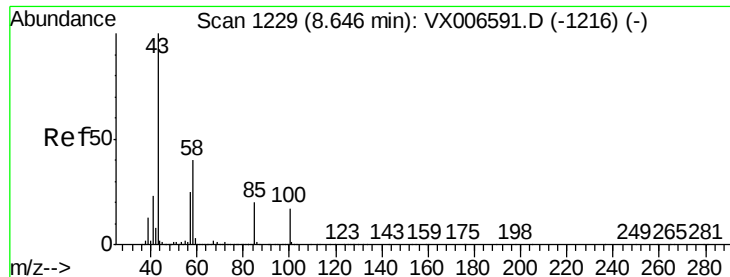
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VX006591.D (-1073) (-)

Ion 43.00 (42.70 to 43.70): VX006591.D (-1073) (-)

Ion 58.00 (57.70 to 58.70): VX006591.D (-1073) (-)



#51

4-Methyl-2-Pentanone

Concen: 112.882 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 43 Resp: 708678

Ion Ratio Lower Upper

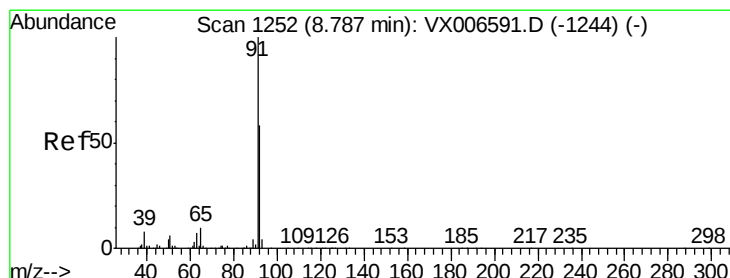
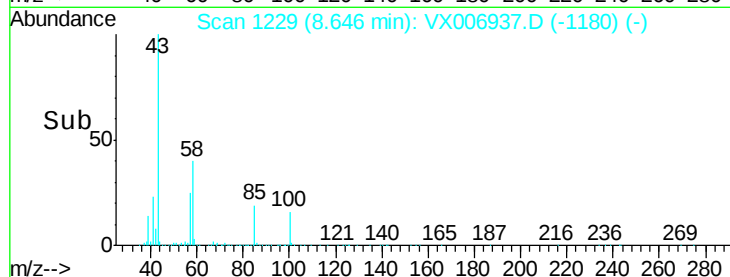
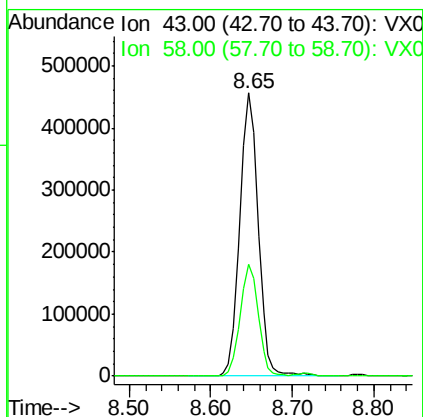
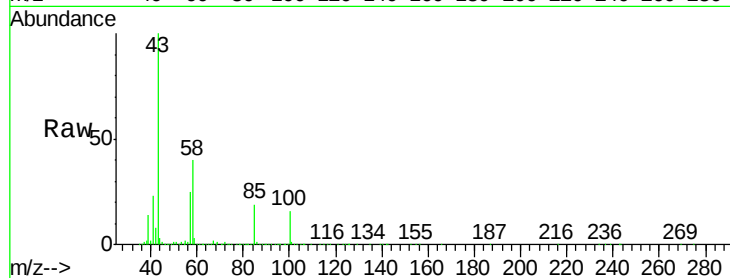
43 100

58 38.8 31.8 47.6

Manual Integrations
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#52

Toluene

Concen: 19.830 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006937.D

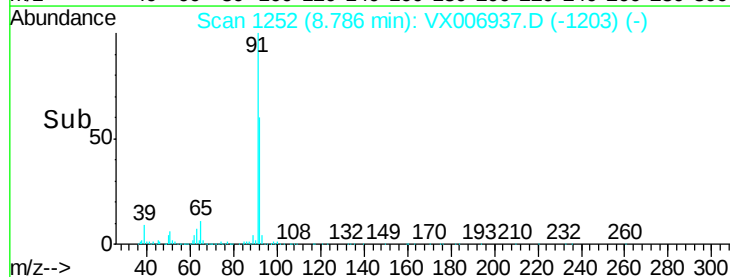
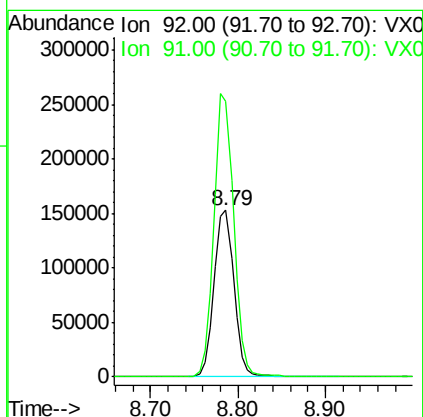
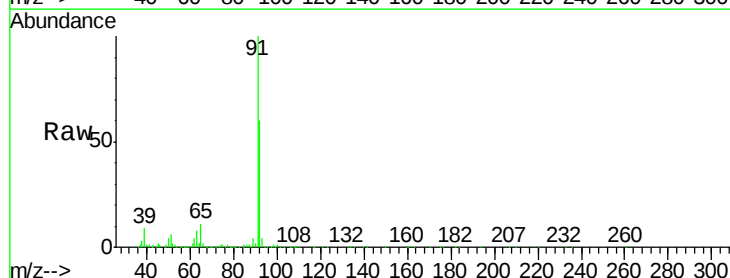
Acq: 07 Jan 2019 15:55

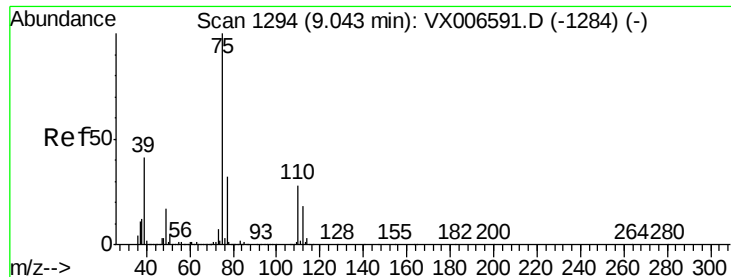
Tgt Ion: 92 Resp: 242627

Ion Ratio Lower Upper

92 100

91 168.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.623 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 75 Resp: 118443

Ion Ratio Lower Upper

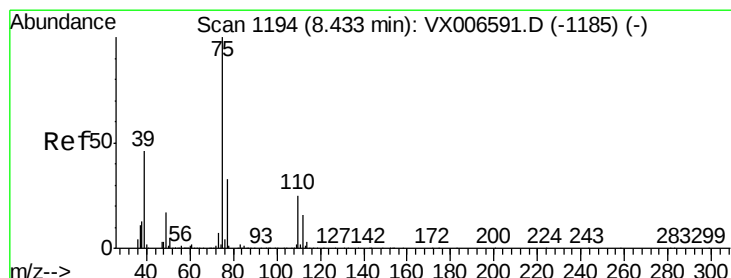
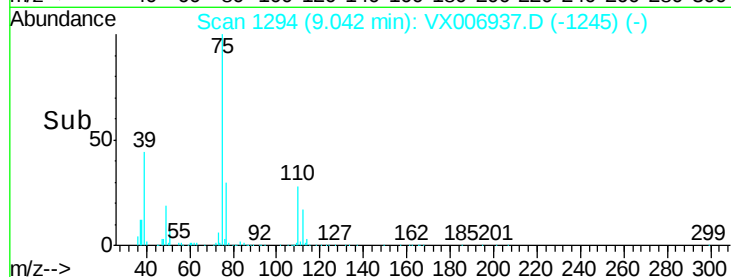
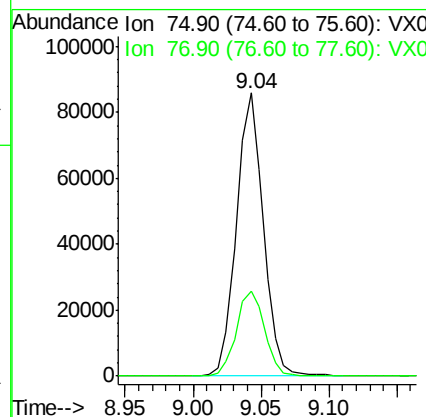
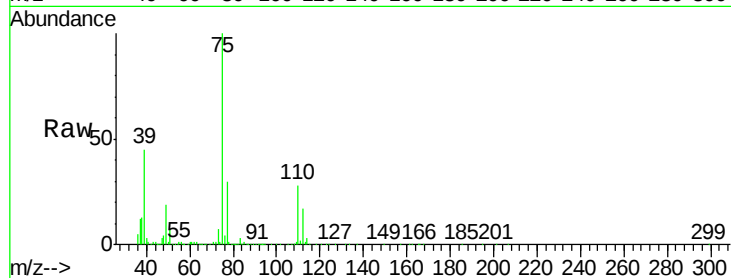
75 100

77 29.8 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.060 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

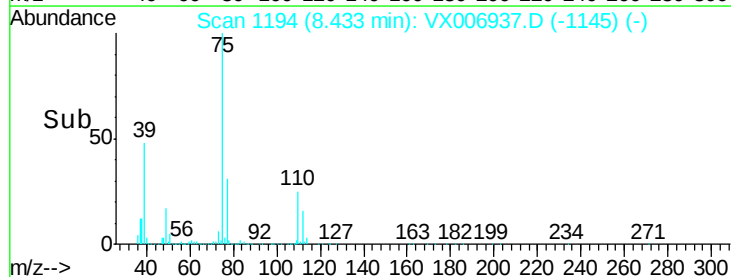
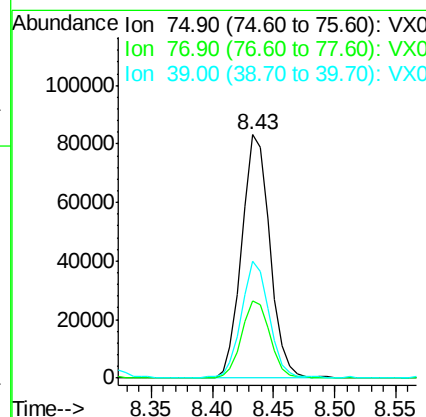
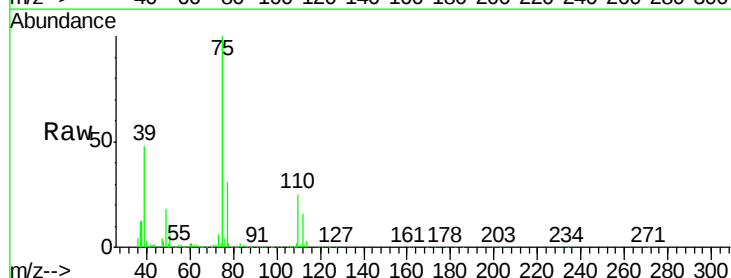
Tgt Ion: 75 Resp: 132861

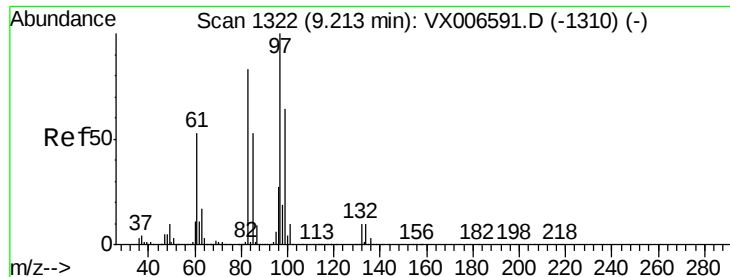
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

39 47.7 36.7 55.1





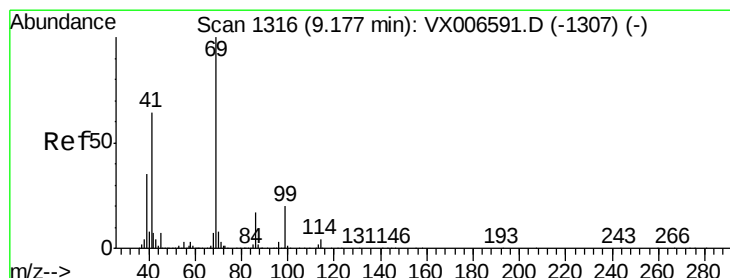
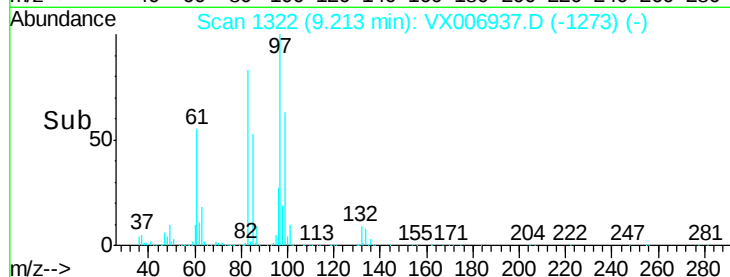
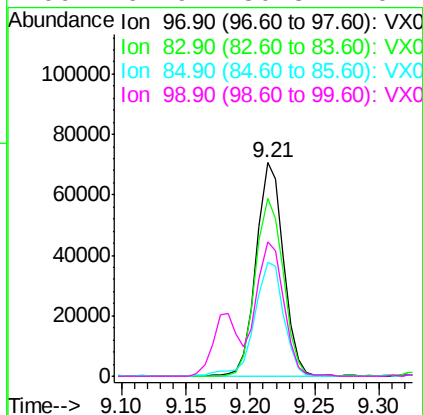
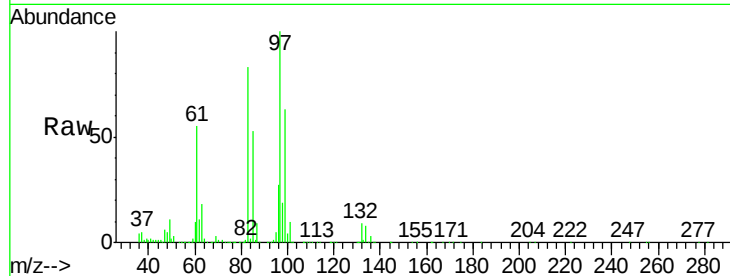
#55
 1,1,2-Trichloroethane
 Concen: 20.669 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		103510		
83	83.0	66.6	99.8		
85	52.9	42.7	64.1		
99	62.9	50.8	76.2		

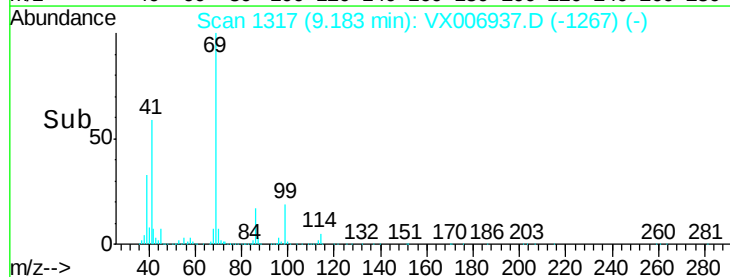
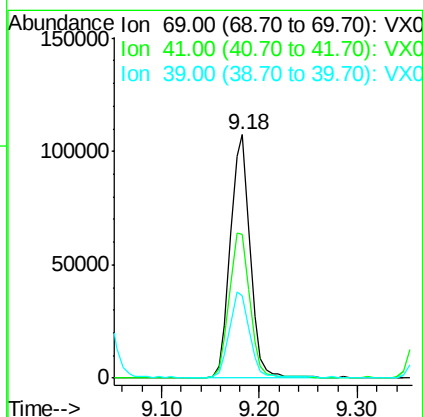
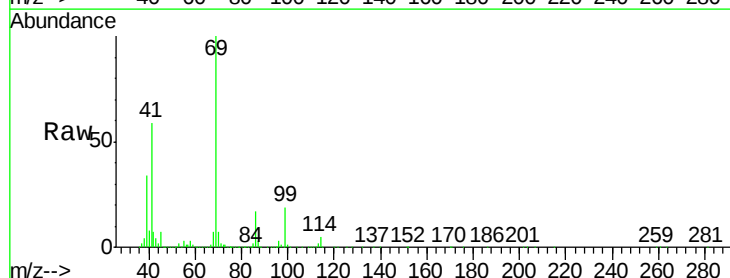
Manual Integrations
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 1/8/2019 9:33:37 AM



#56
 Ethyl methacrylate
 Concen: 21.321 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		150918		
41	62.5	48.7	73.1		
39	36.1	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.495 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 76 Resp: 165137

Ion Ratio Lower Upper

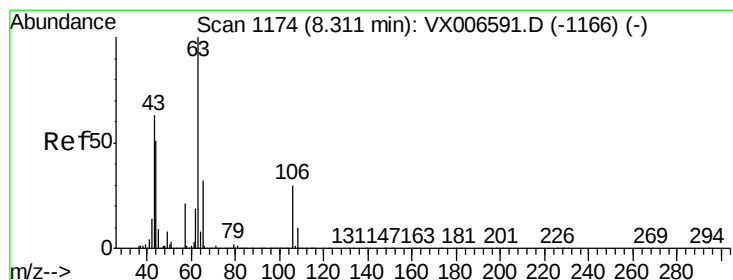
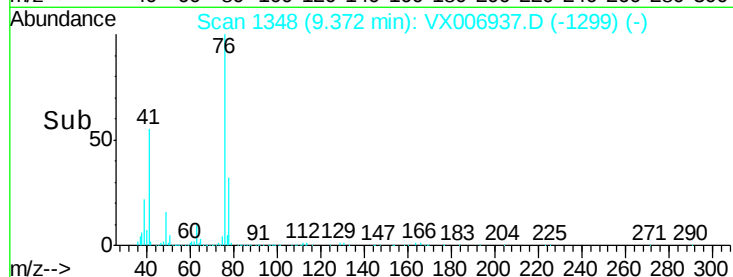
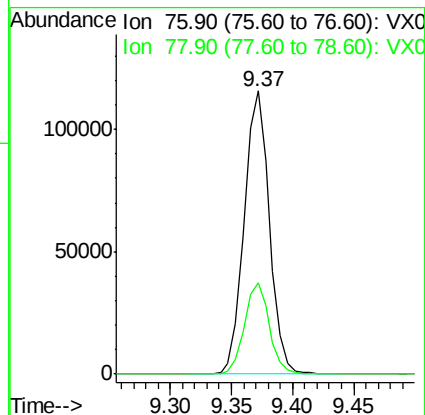
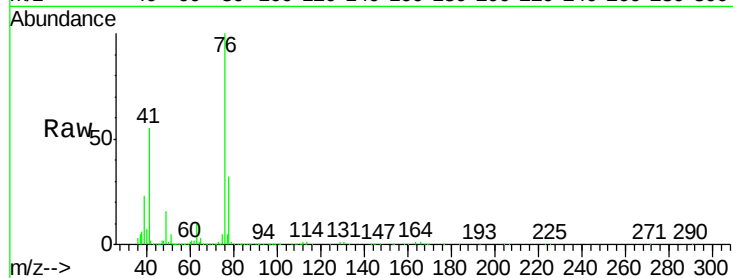
76 100

78 32.0 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 104.288 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006937.D

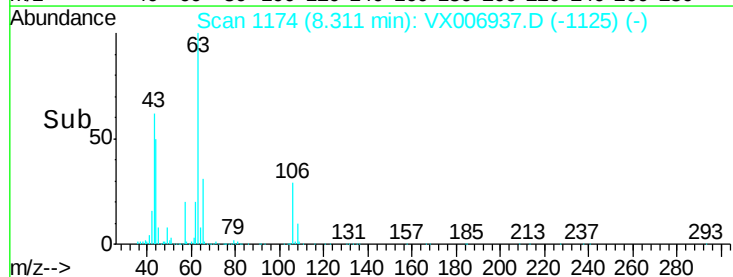
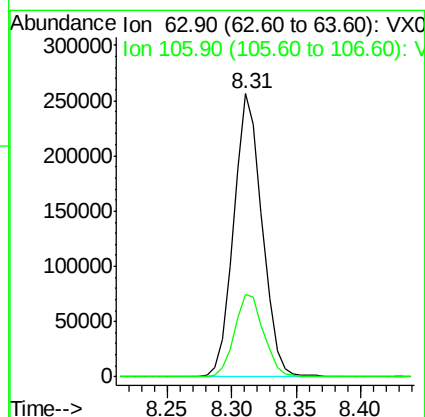
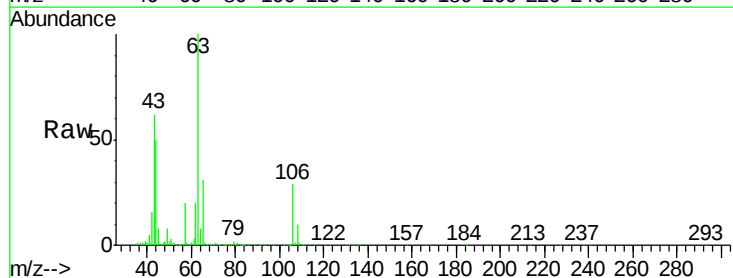
Acq: 07 Jan 2019 15:55

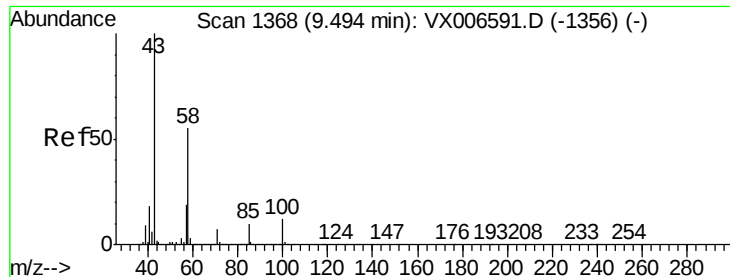
Tgt Ion: 63 Resp: 392390

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8





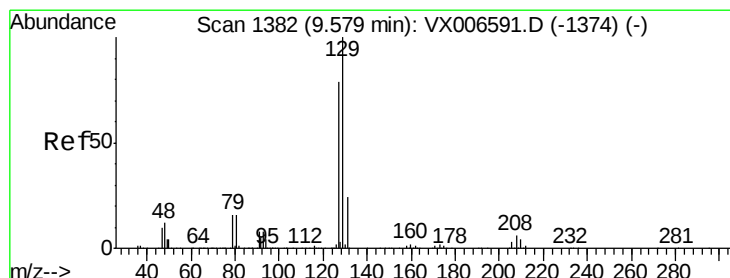
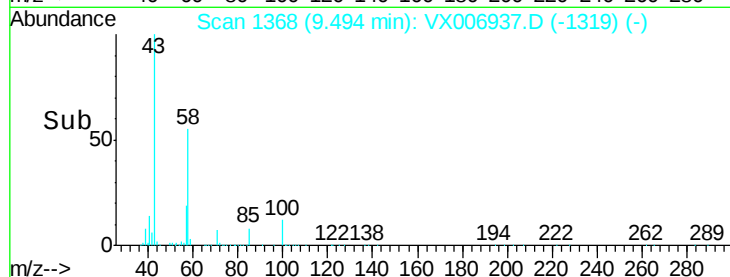
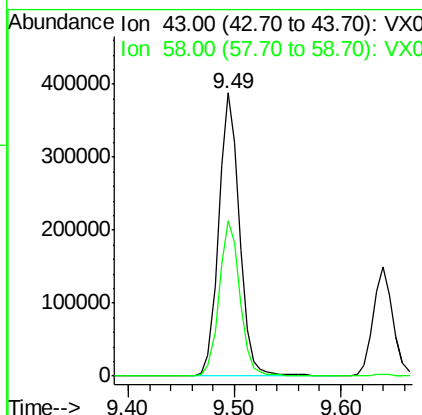
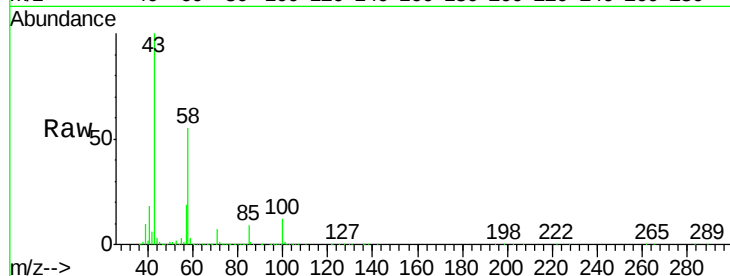
#59
2-Hexanone
Concen: 109.973 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion: 43 Resp: 528246
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1

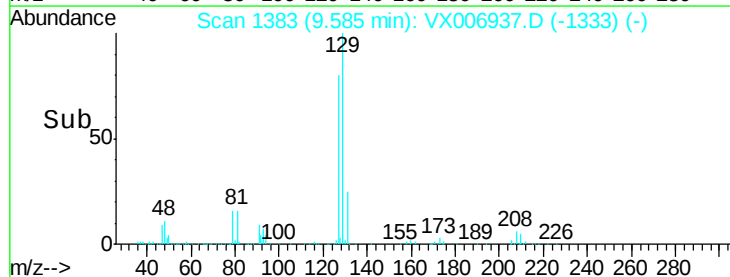
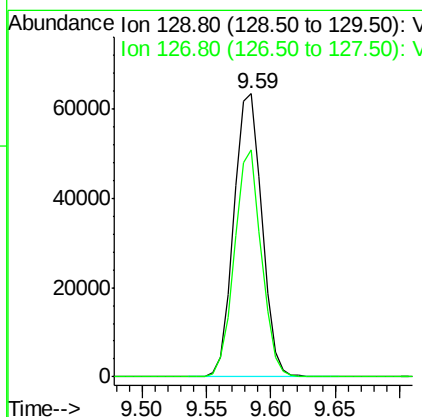
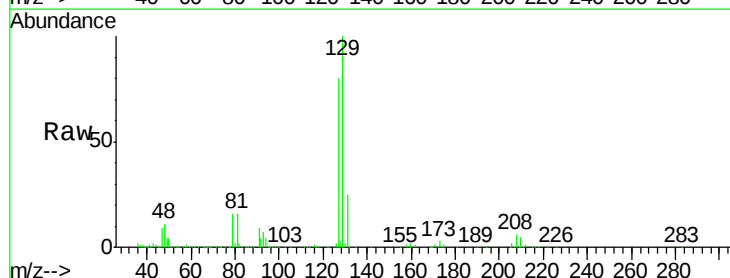
Manual Integrations
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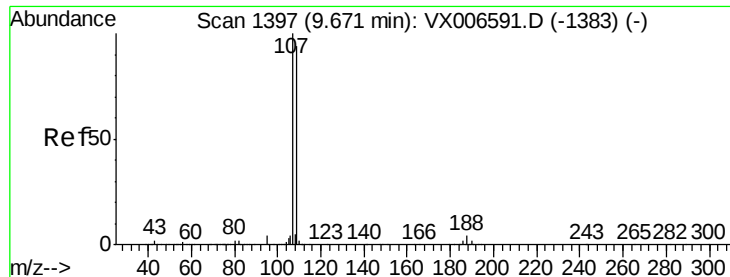
MMDadoda
1/8/2019 9:33:37 AM



#60
Dibromochloromethane
Concen: 19.869 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion:129 Resp: 96375
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.397 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 107 Resp: 108588

Ion Ratio Lower Upper

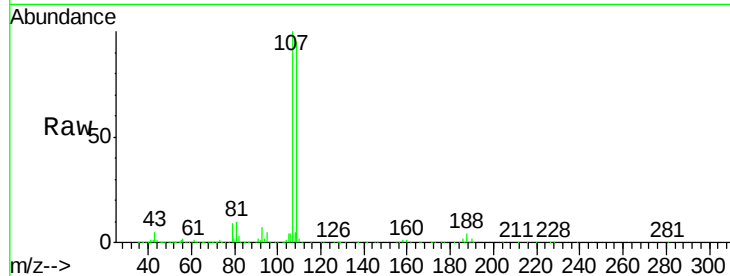
107 100

109 94.7 75.8 113.6

Manual Integrations
APPROVED

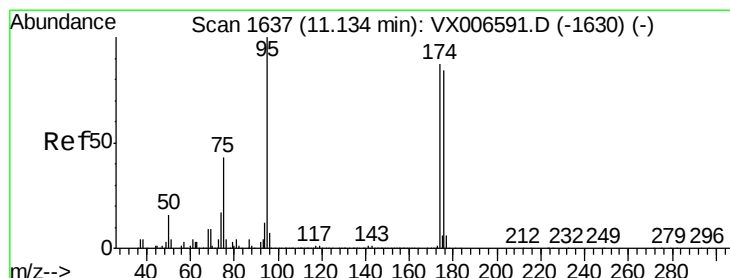
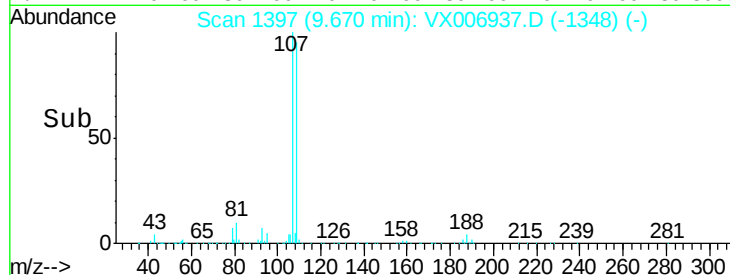
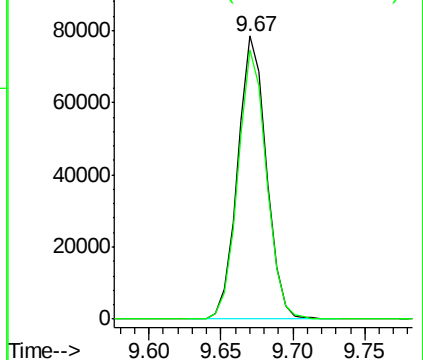
MMDadoda

1/8/2019 9:33:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.377 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

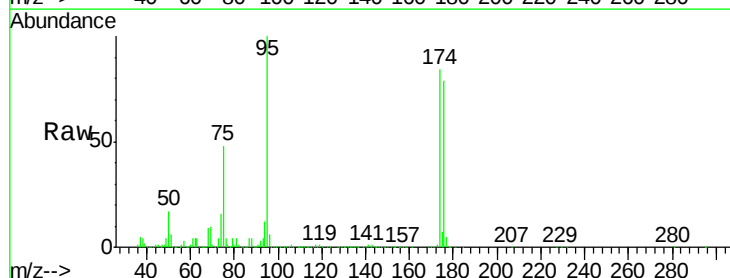
Tgt Ion: 95 Resp: 324331

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.2

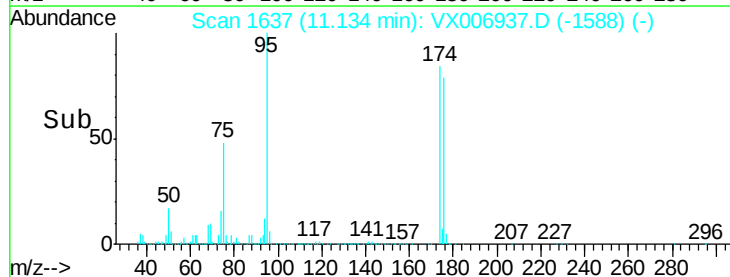
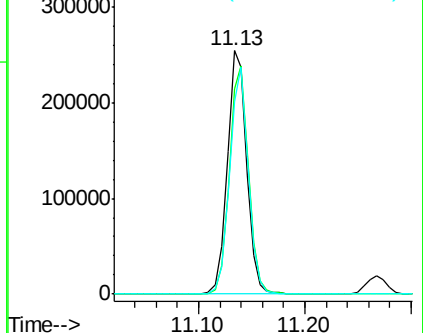
176 90.0 0.0 178.8

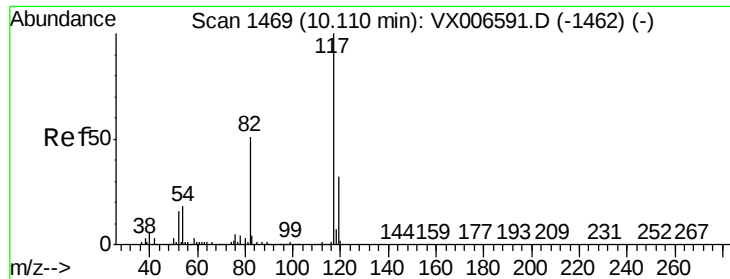


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





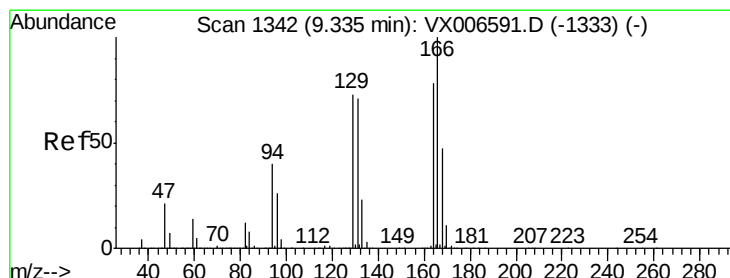
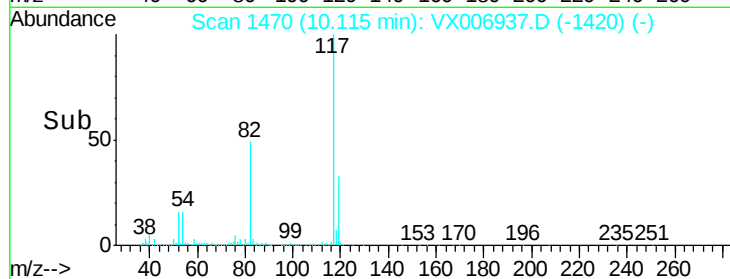
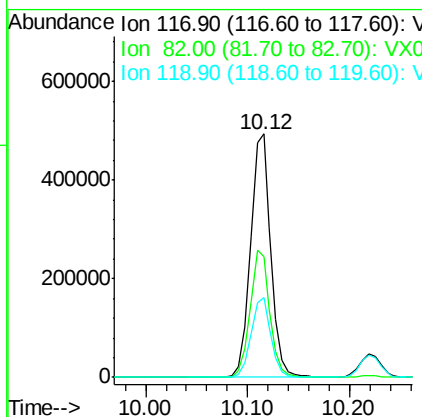
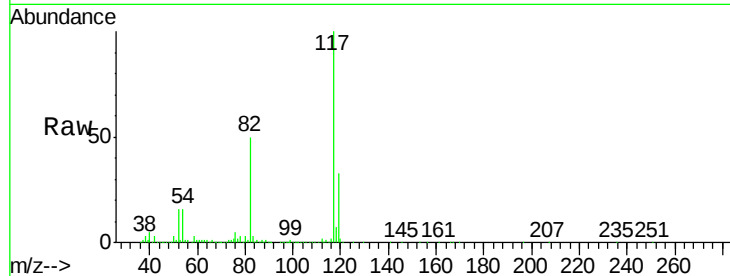
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	683190		
82	49.5	41.0	61.6	
119	32.5	25.4	38.0	

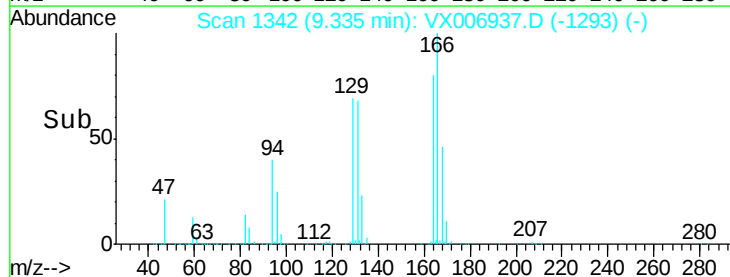
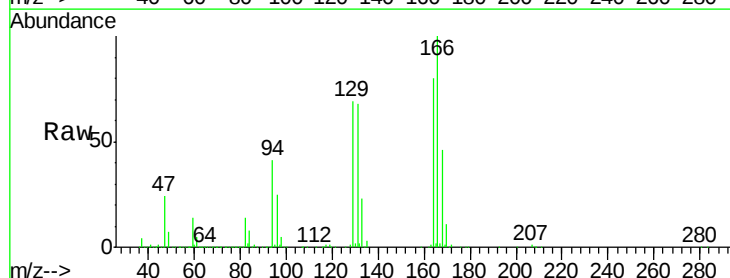
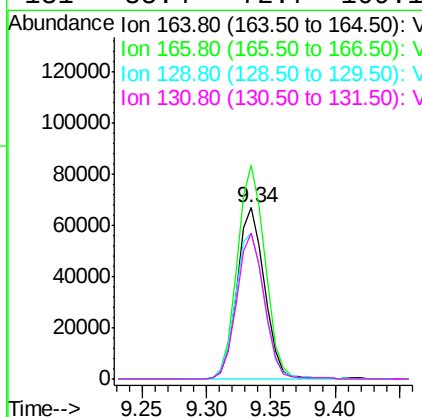
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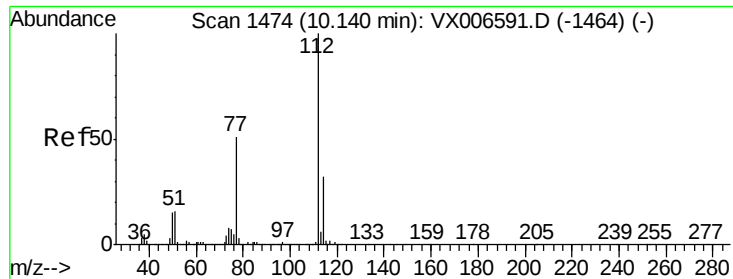
MMDadoda
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#64
Tetrachloroethene
Concen: 18.277 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98874		
166	124.9	102.5	153.7	
129	85.6	75.1	112.7	
131	85.4	72.7	109.1	





#65

Chlorobenzene

Concen: 19.091 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion:112 Resp: 275926

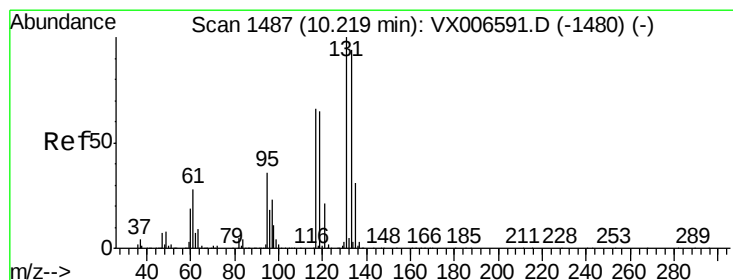
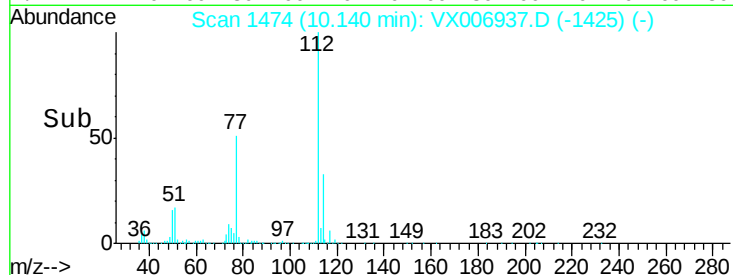
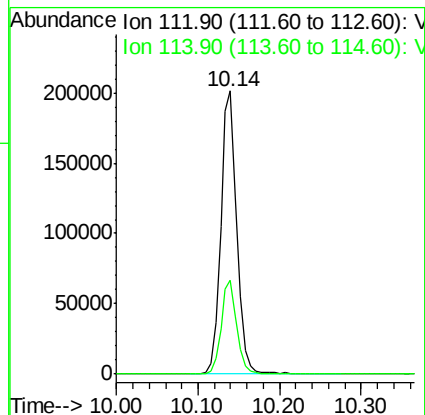
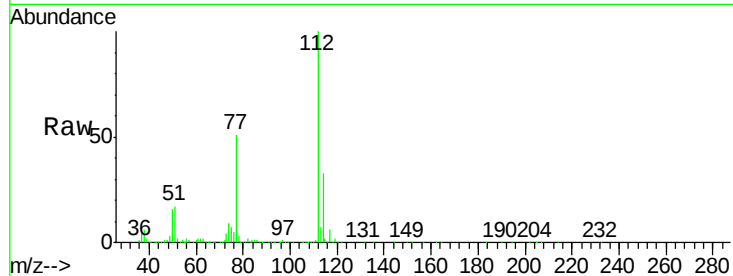
Ion Ratio Lower Upper

112 100

114 33.1 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.716 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

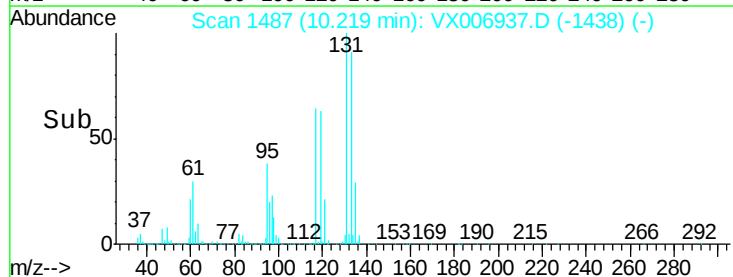
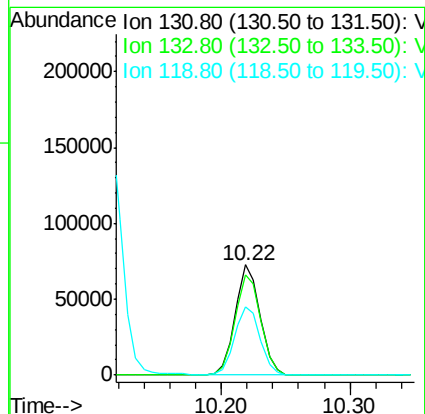
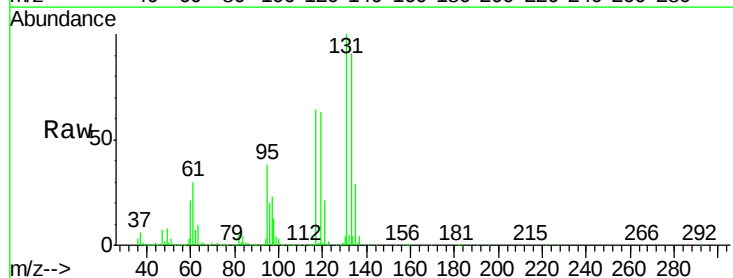
Tgt Ion:131 Resp: 97925

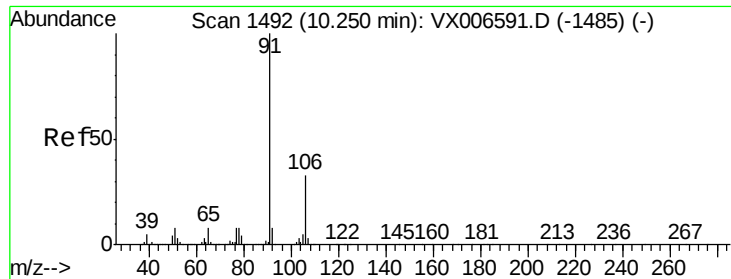
Ion Ratio Lower Upper

131 100

133 93.9 48.0 144.2

119 63.7 32.6 97.8





#67

Ethyl Benzene

Concen: 18.776 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 91 Resp: 443441

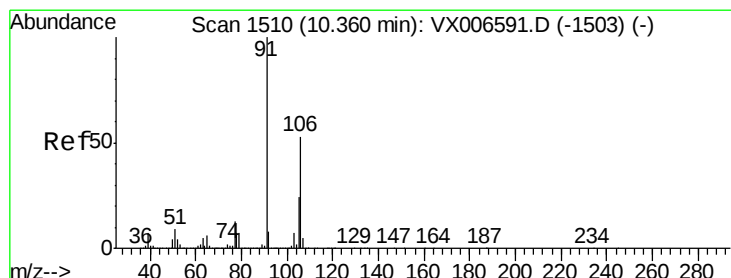
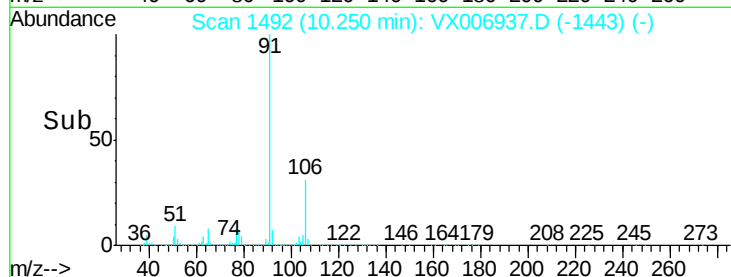
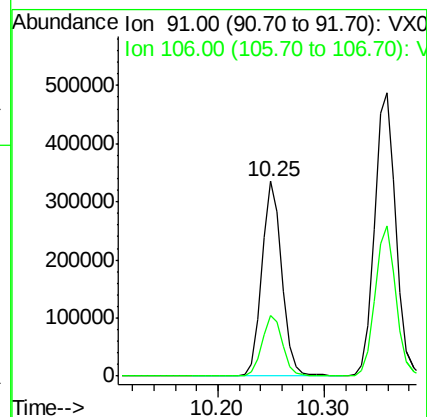
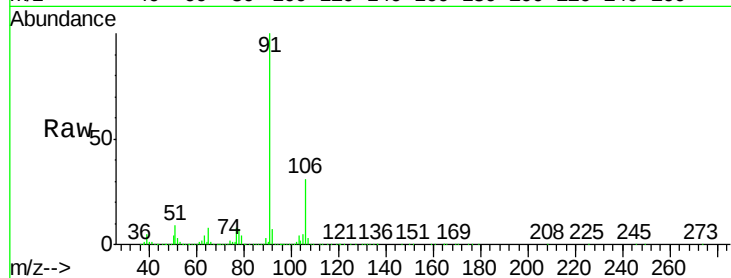
Ion Ratio Lower Upper

91 100

106 31.0 26.4 39.6

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#68

m/p-Xylenes

Concen: 38.038 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006937.D

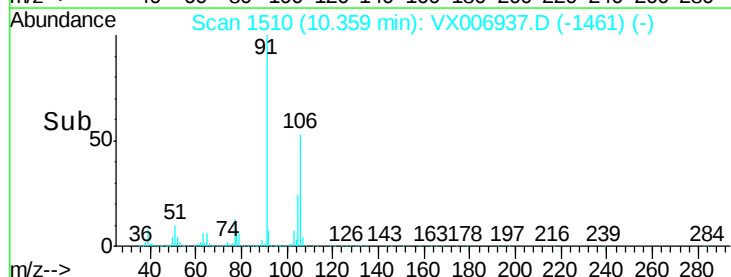
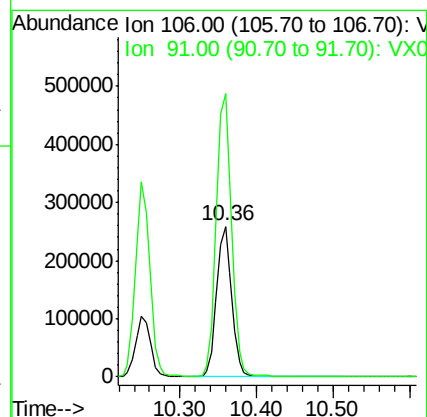
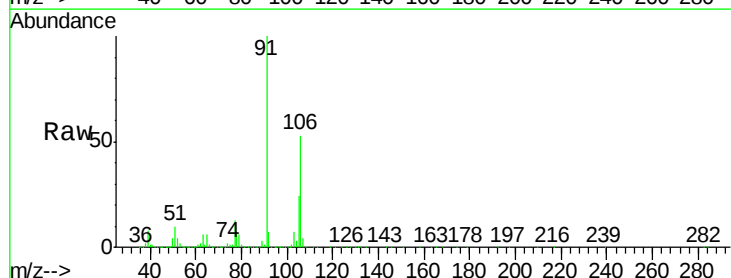
Acq: 07 Jan 2019 15:55

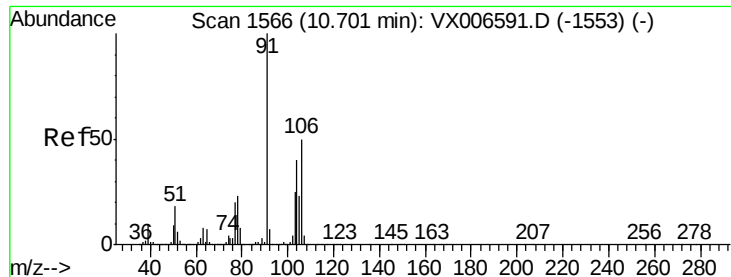
Tgt Ion: 106 Resp: 354496

Ion Ratio Lower Upper

106 100

91 191.1 155.8 233.6





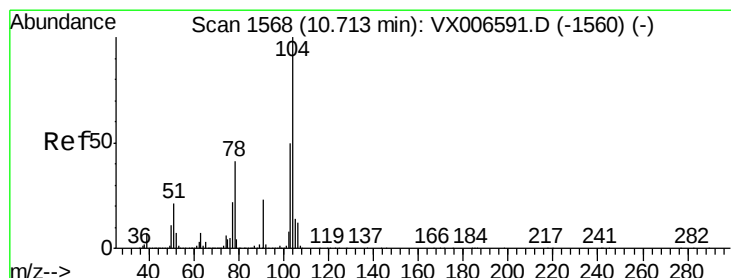
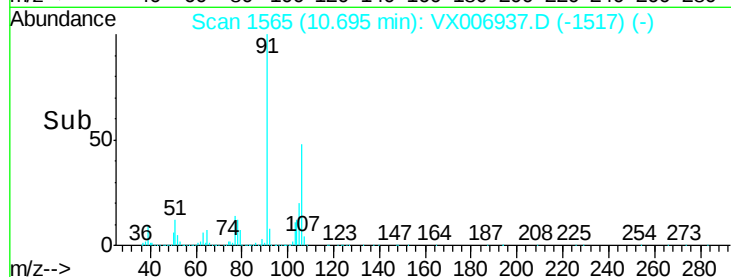
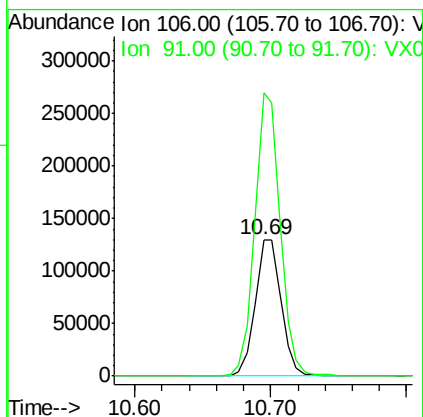
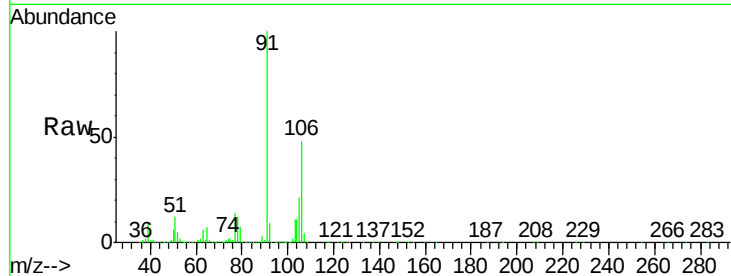
#69
o-Xylene
Concen: 19.023 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.4	101.3	303.7	

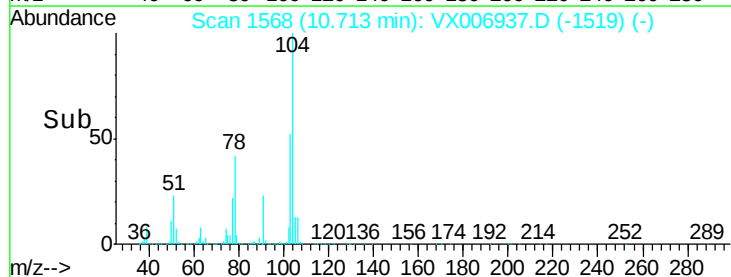
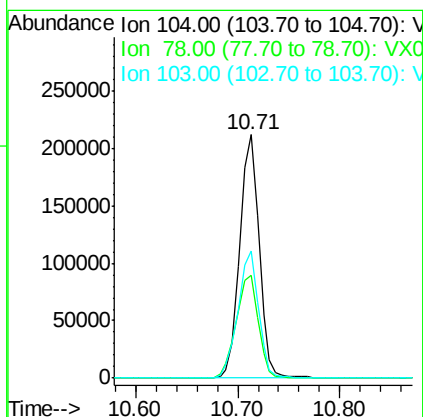
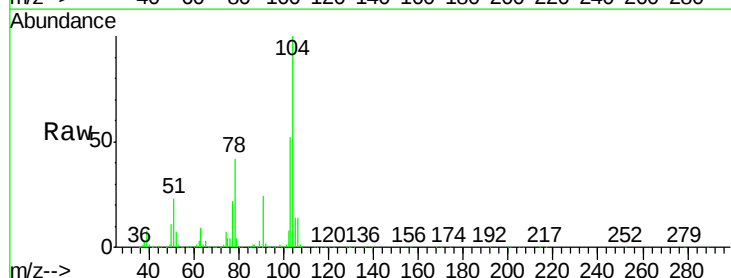
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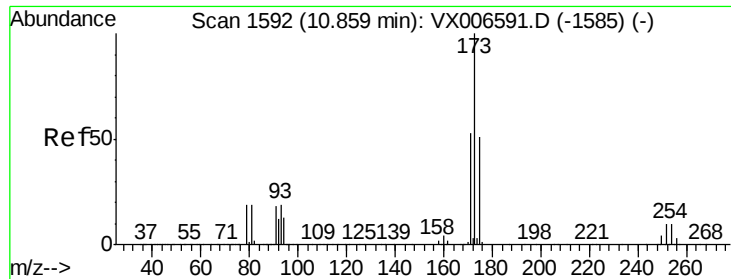
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#70
Styrene
Concen: 19.143 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	37.7	56.5	
103	55.8	43.8	65.8	





#71

Bromoform

Concen: 20.154 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion:173 Resp: 70089

Ion Ratio Lower Upper

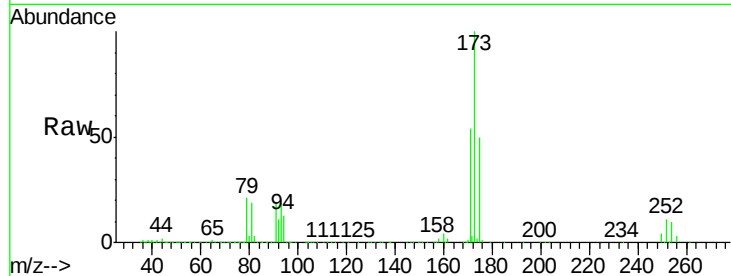
173 100

175 48.2 24.7 74.1

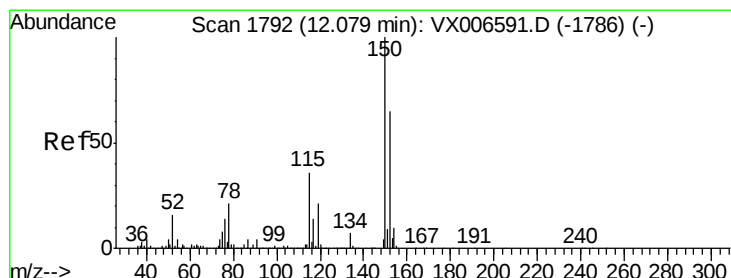
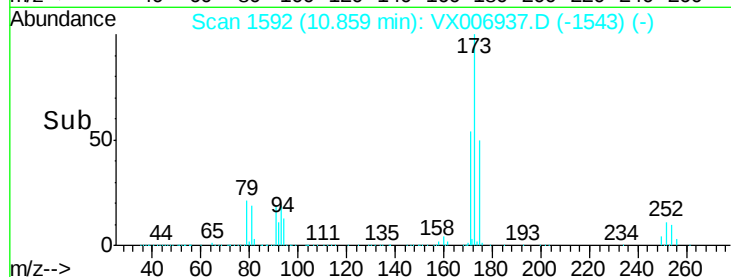
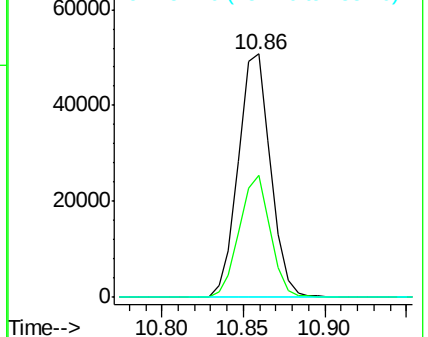
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

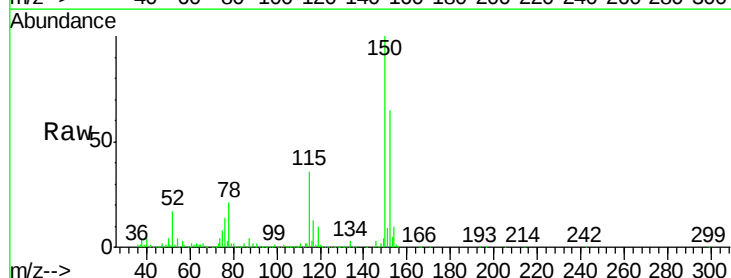
Tgt Ion:152 Resp: 346109

Ion Ratio Lower Upper

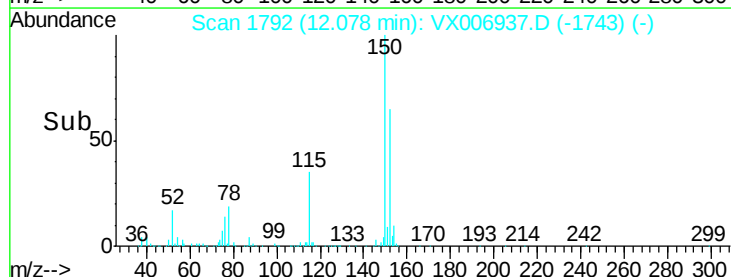
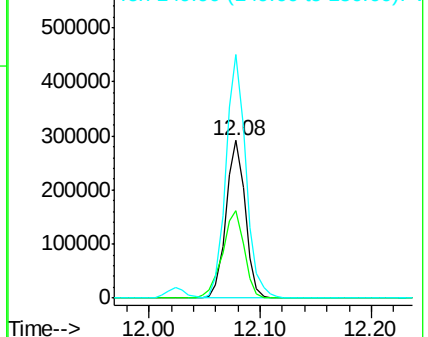
152 100

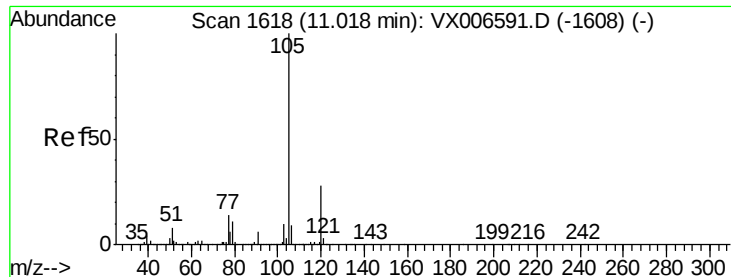
115 62.9 39.1 117.2

150 161.0 0.0 344.8



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





#73

Isopropylbenzene

Concen: 19.316 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 105 Resp: 457358

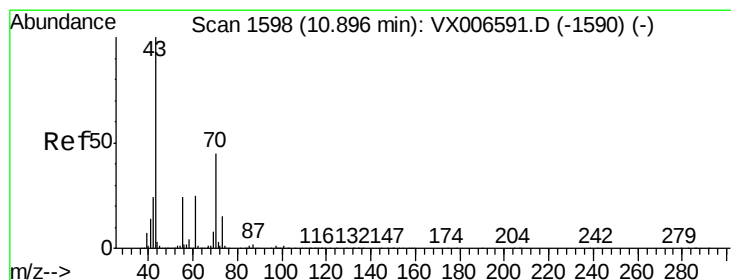
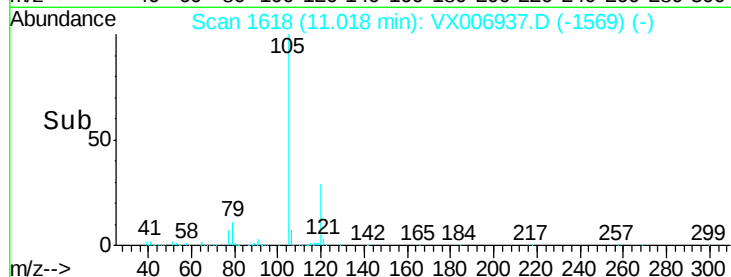
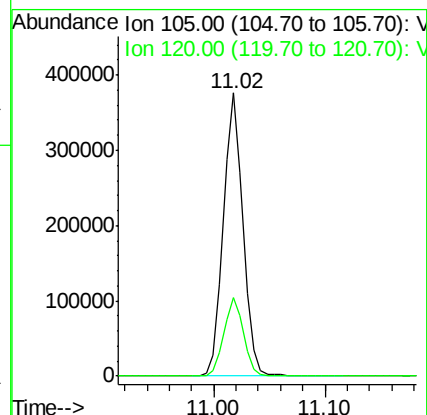
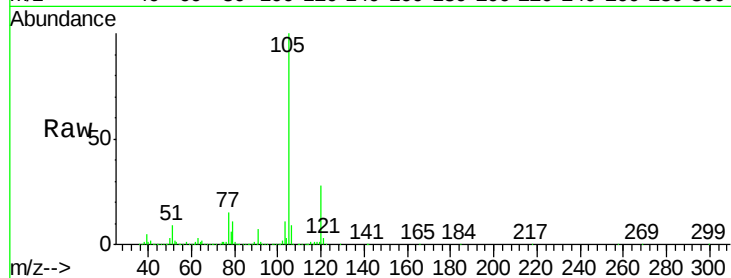
Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4

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#74

N-ethyl acetate

Concen: 22.581 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion: 43 Resp: 191381

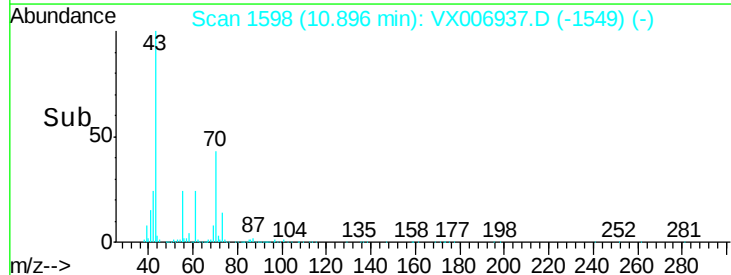
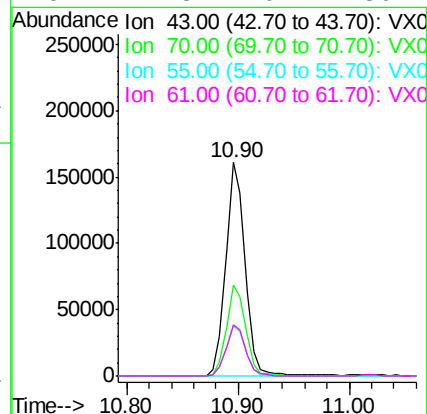
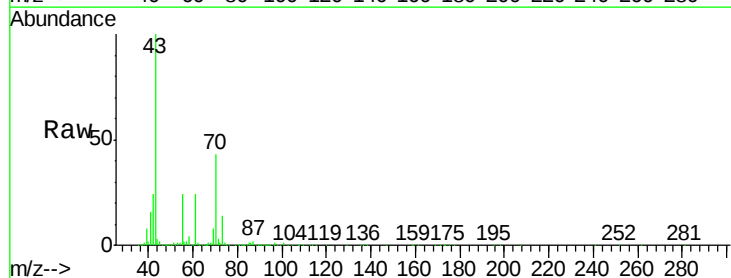
Ion Ratio Lower Upper

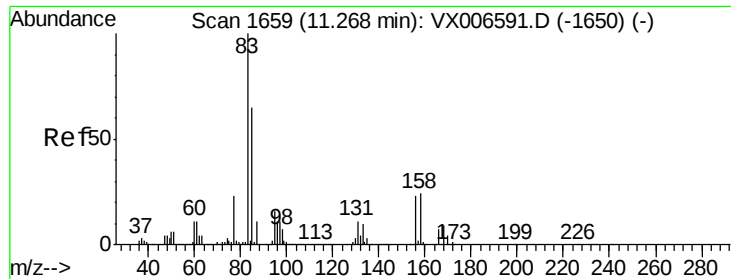
43 100

70 42.8 35.8 53.8

55 24.4 19.4 29.0

61 24.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.831 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 83 Resp: 153732

Ion Ratio Lower Upper

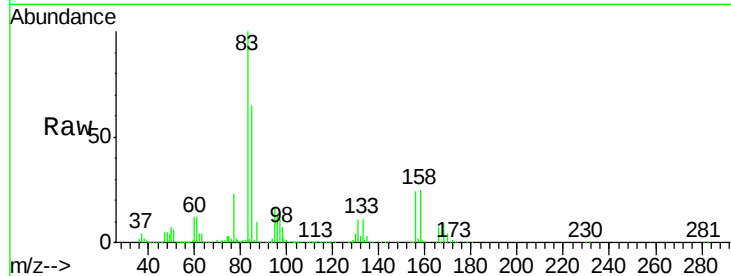
83 100

131 11.2 5.7 17.1

85 65.7 32.2 96.6

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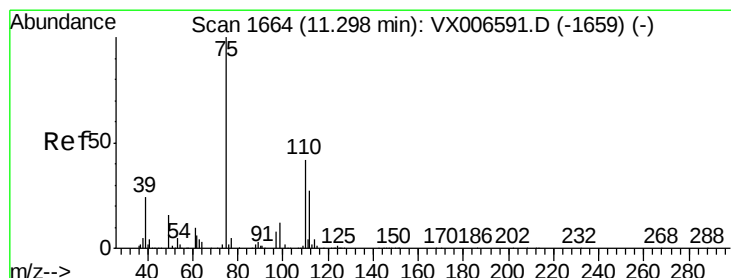
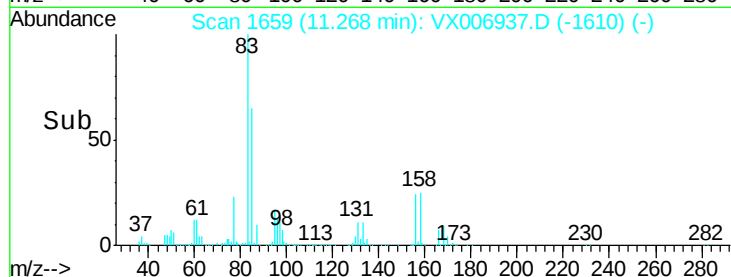
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.082 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006937.D

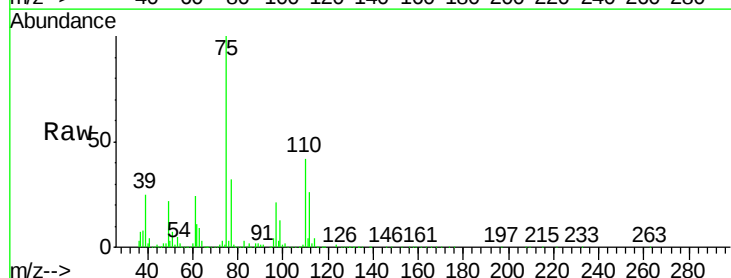
Acq: 07 Jan 2019 15:55

Tgt Ion: 75 Resp: 142034

Ion Ratio Lower Upper

75 100

77 36.9 18.5 55.5

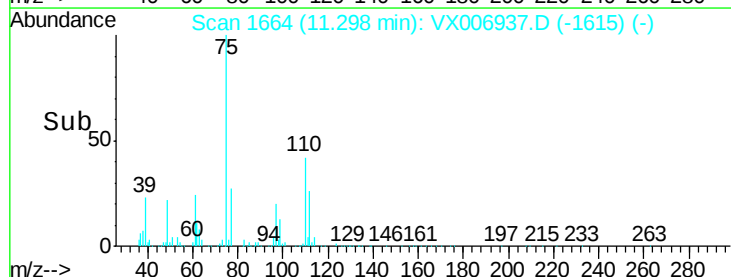


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.30

Time-->





#77

Bromobenzene

Concen: 19.742 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

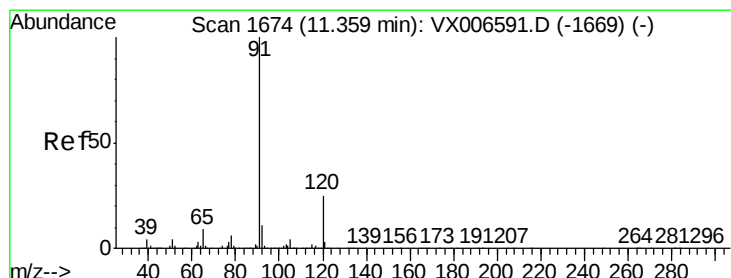
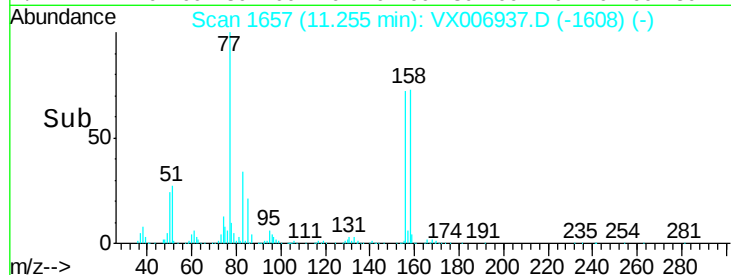
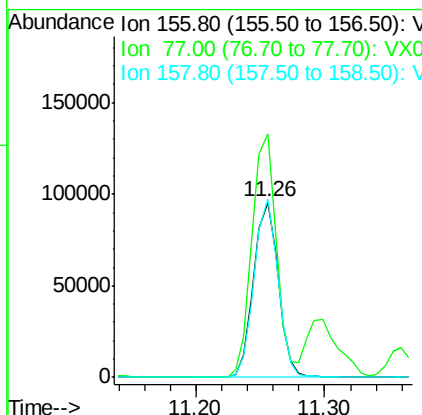
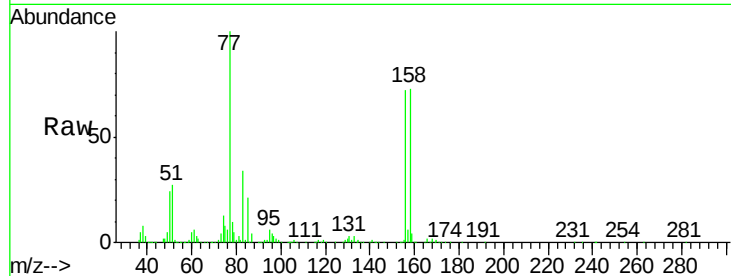
ClientSampled :

VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.1	68.0	204.0
158	98.7	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.355 ug/l

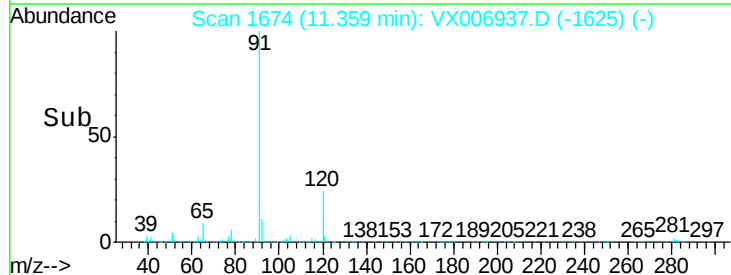
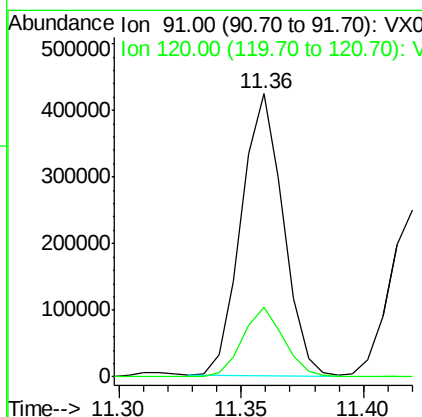
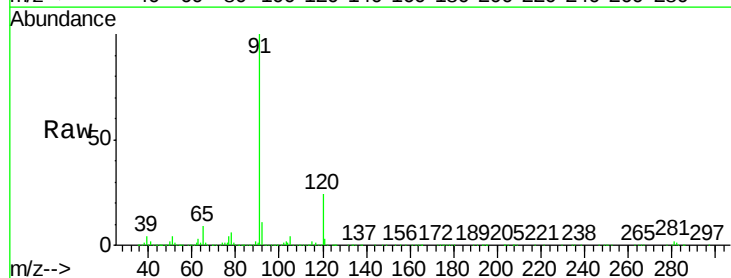
RT: 11.36 min Scan# 1674

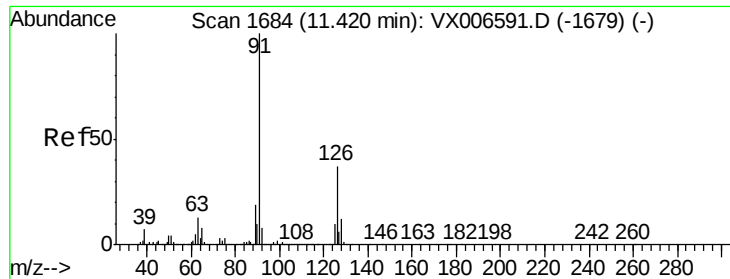
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.423 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion: 91 Resp: 306908

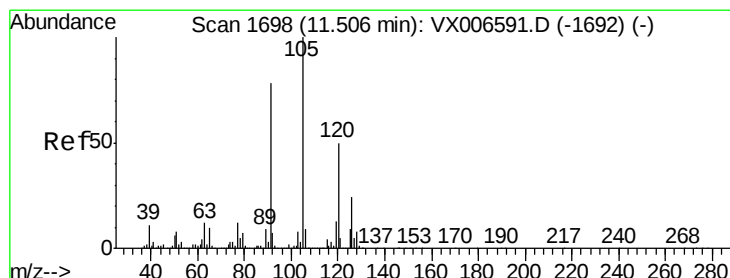
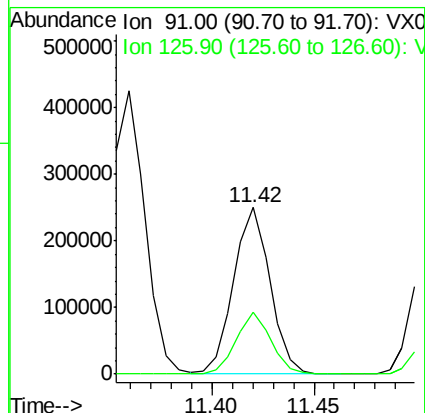
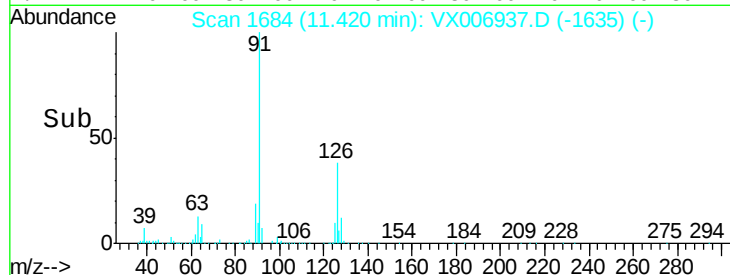
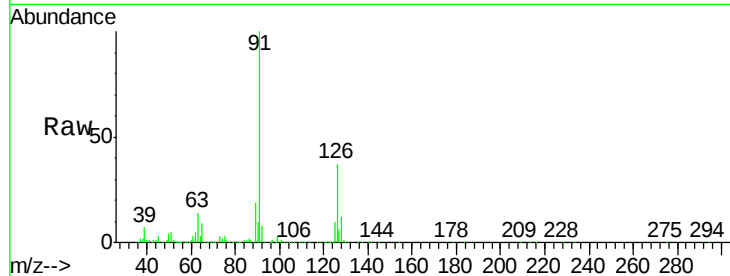
Ion Ratio Lower Upper

91 100

126 36.2 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.329 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006937.D

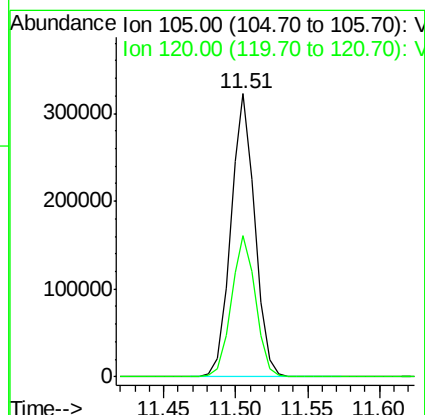
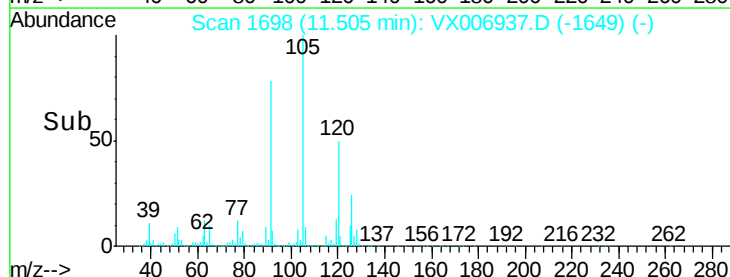
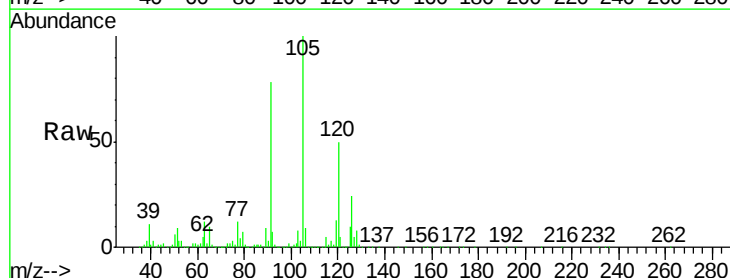
Acq: 07 Jan 2019 15:55

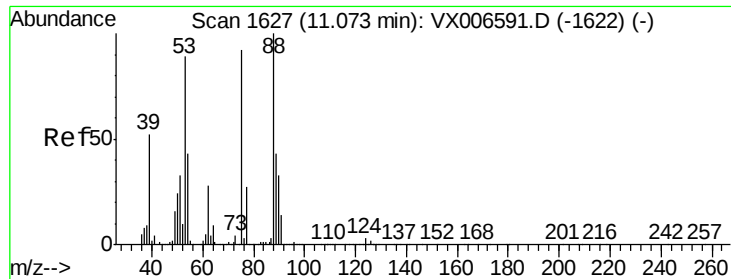
Tgt Ion: 105 Resp: 376973

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





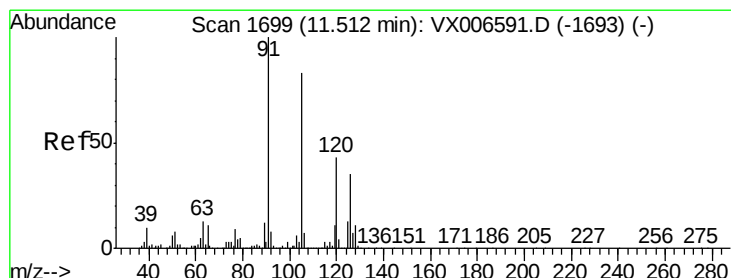
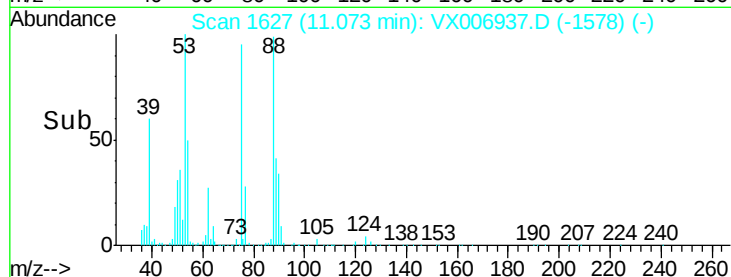
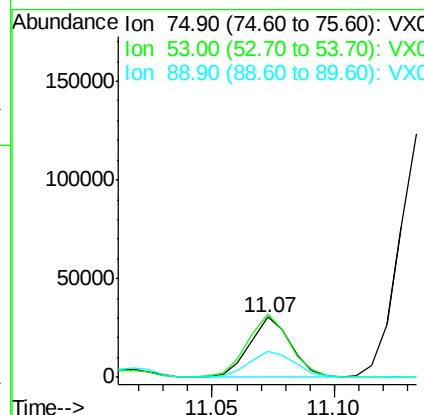
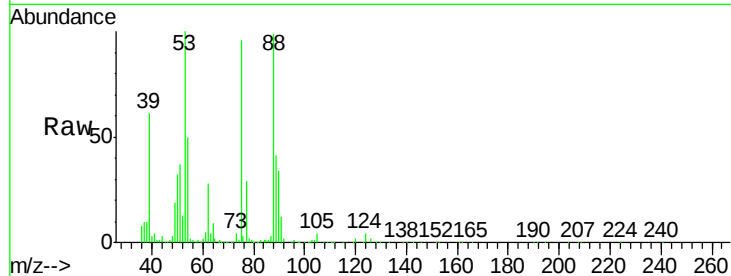
#81
trans-1,4-Dichloro-2-butene
Concen: 19.584 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.8	79.7	119.5
89	48.0	38.0	57.0

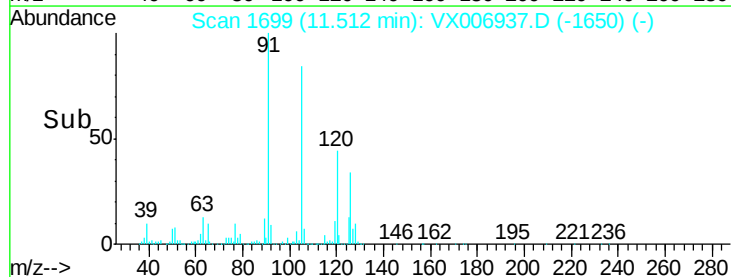
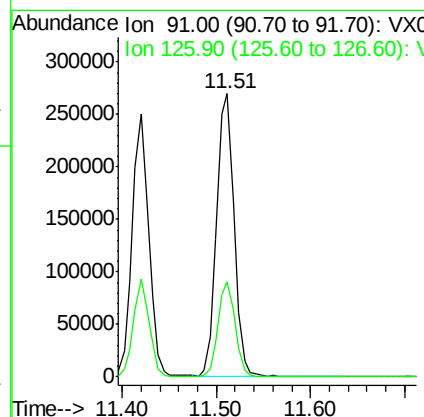
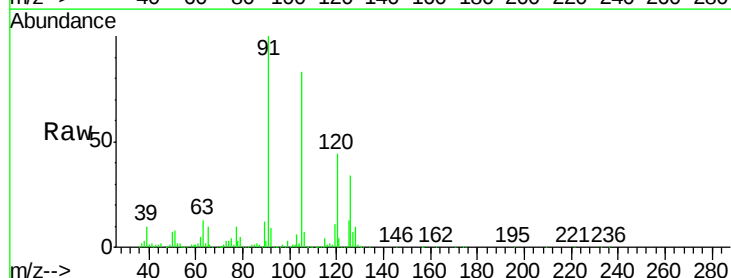
Manual Integrations
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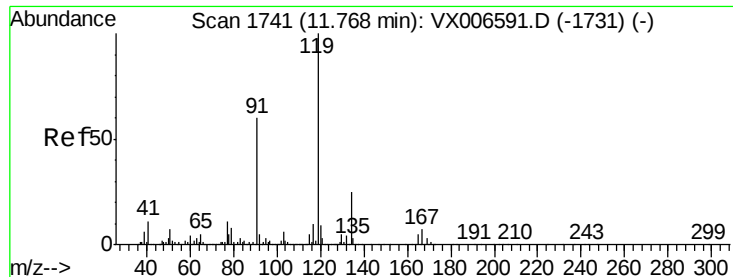
MMDadoda
1/8/2019 9:33:37 AM



#82
4-Chlorotoluene
Concen: 19.276 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006937.D
Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.207 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

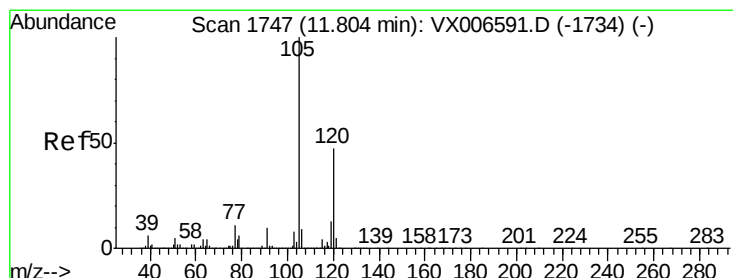
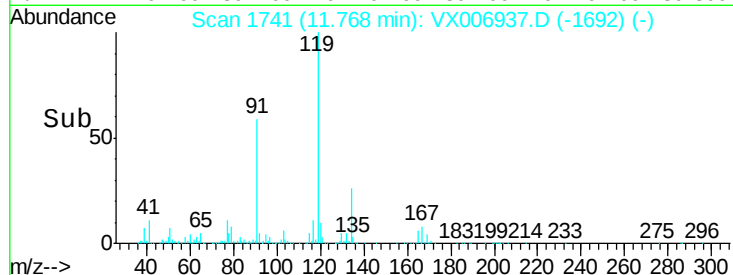
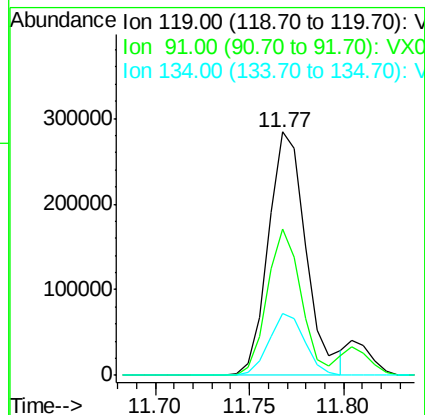
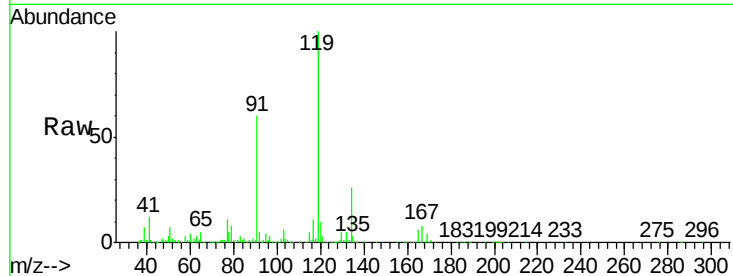
ClientSampleId :

VX0107WBSD01

Tot Ion:	119	Resp:	394415
Ion Ratio	Lower	Upper	
119	100		
91	54.0	27.7	83.1
134	24.1	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.848 ug/l

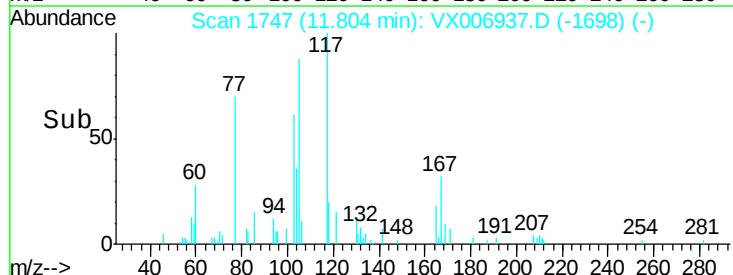
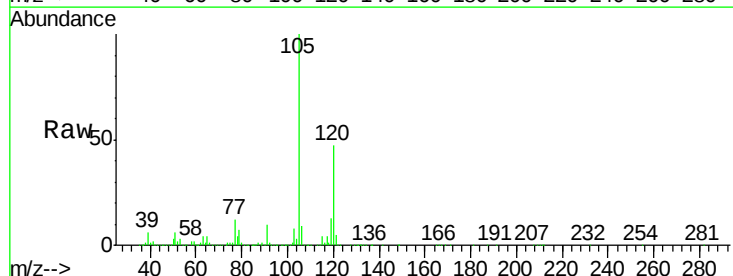
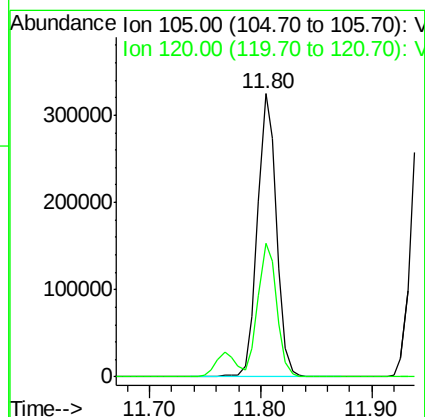
RT: 11.80 min Scan# 1747

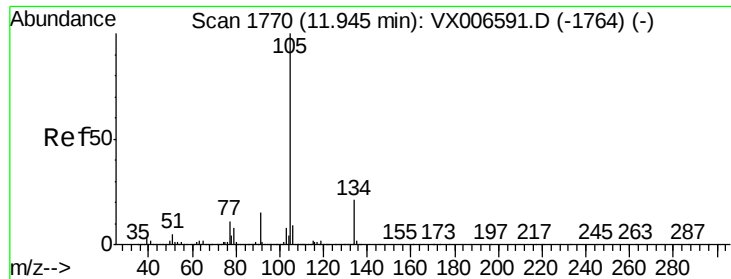
Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	105	Resp:	386631
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.008 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBSD01

Tot Ion:105 Resp: 454881

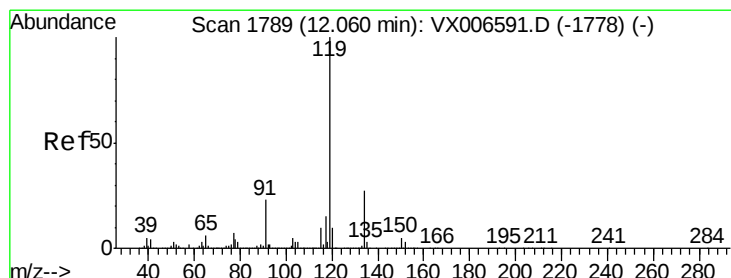
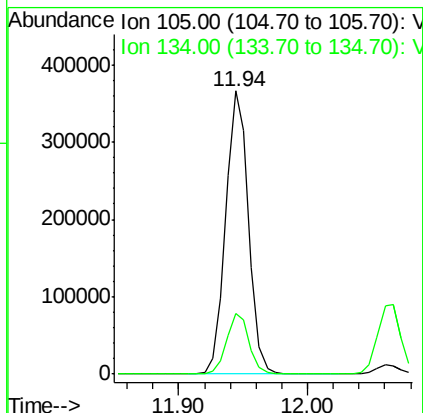
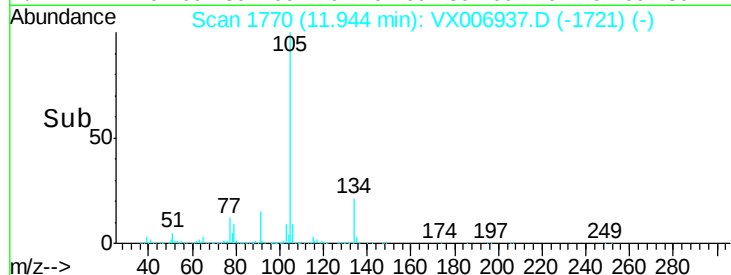
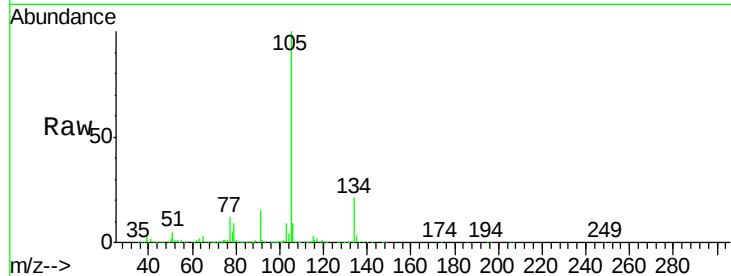
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.355 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

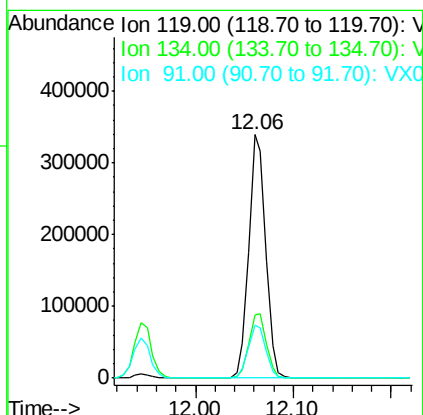
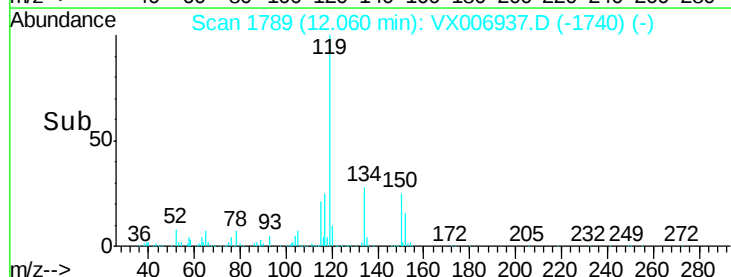
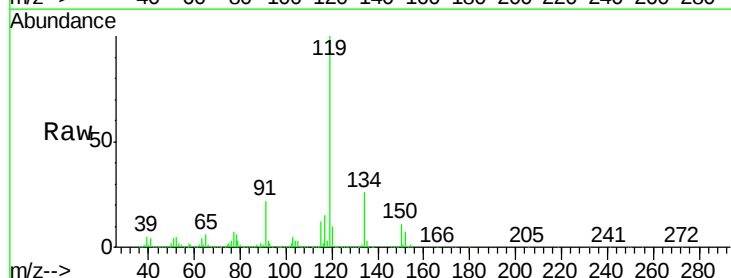
Tgt Ion:119 Resp: 407161

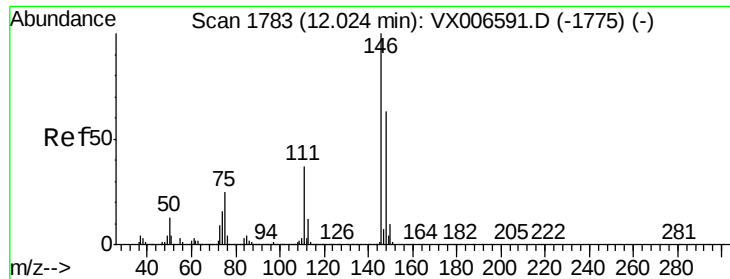
Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.3 11.3 33.9





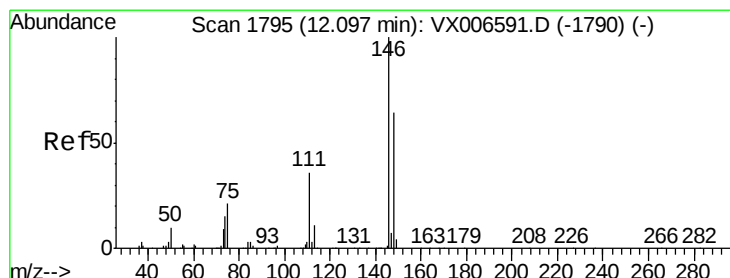
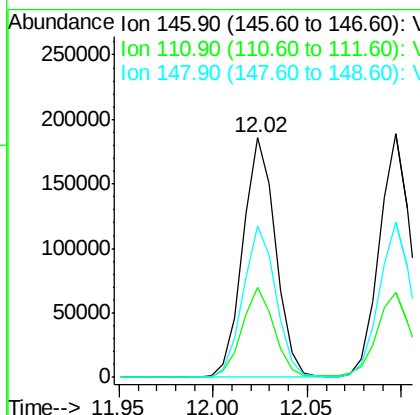
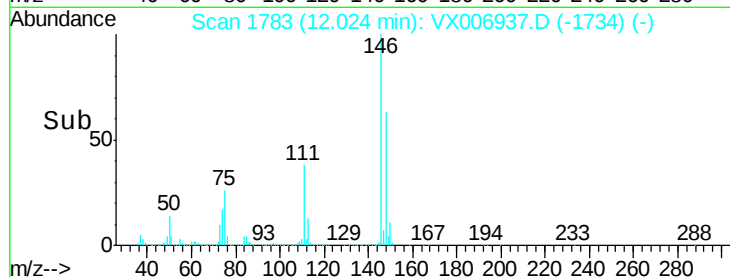
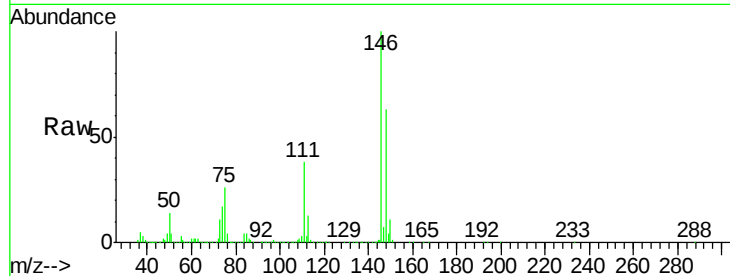
#87
 1,3-Dichlorobenzene
 Concen: 19.394 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	63.4	31.8	95.3

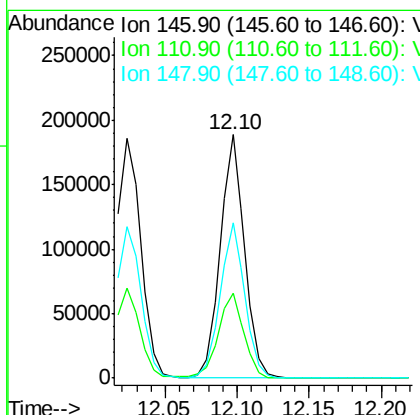
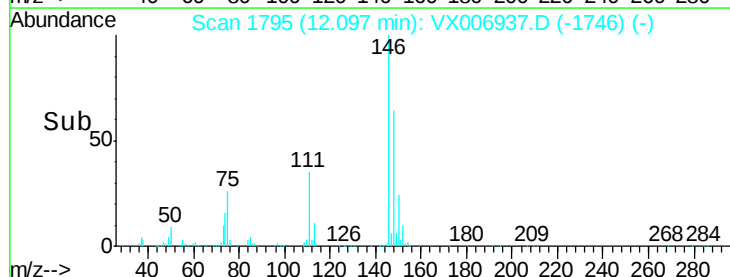
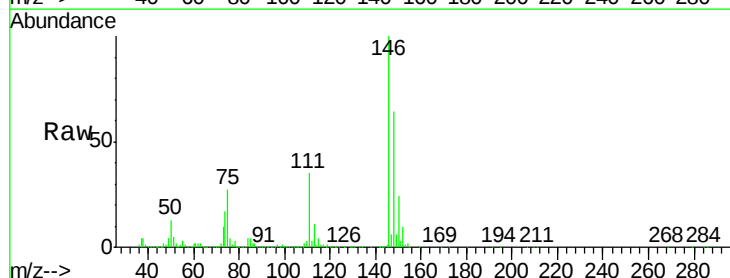
Manual Integrations
 APPROVED

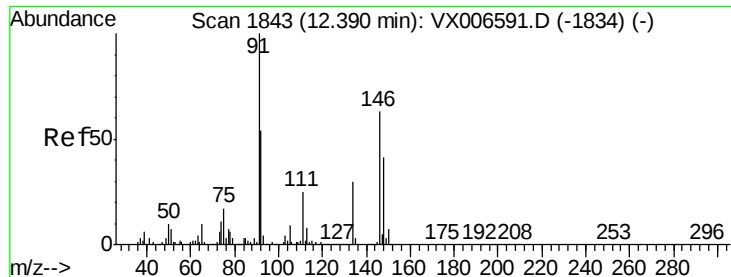
MMDadoda
 1/8/2019 9:33:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.890 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.7	31.9	95.9





#89

n-Butylbenzene

Concen: 18.741 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

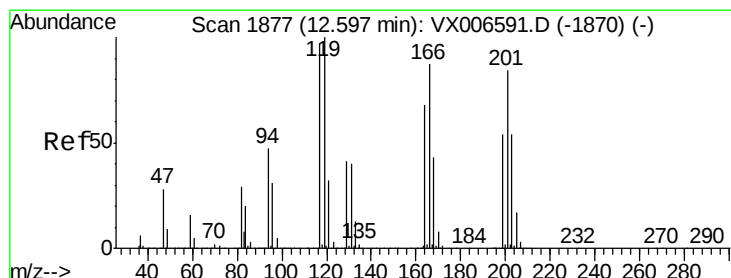
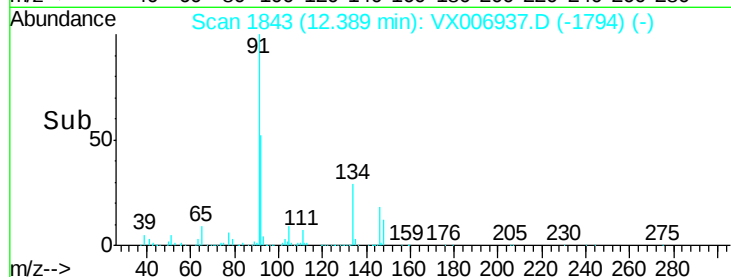
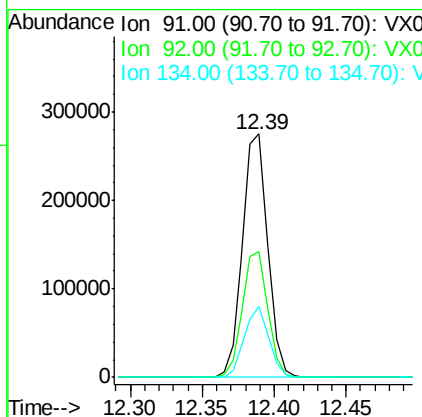
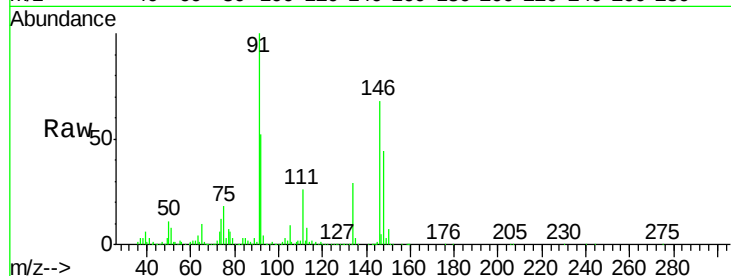
ClientSampled :

VX0107WBSD01

Tot Ion:	91	Resp:	33527
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.8	80.4
134	28.1	14.4	43.2

Manual Integrations
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1/8/2019 9:33:37 AM



#90

Hexachloroethane

Concen: 19.552 ug/l

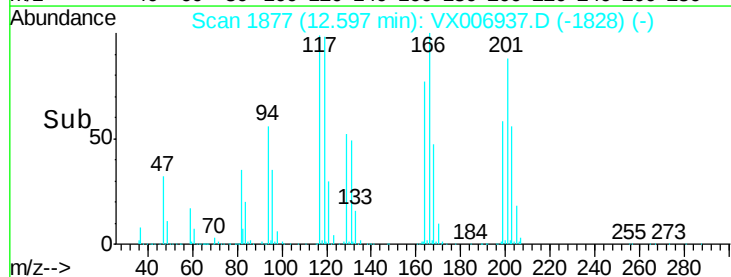
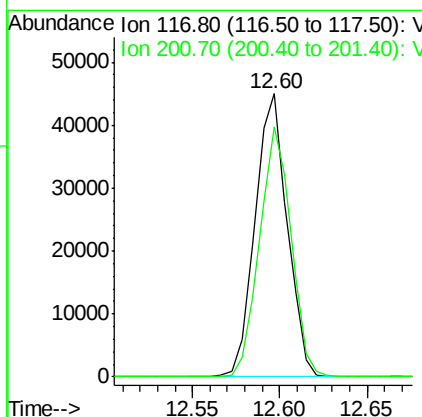
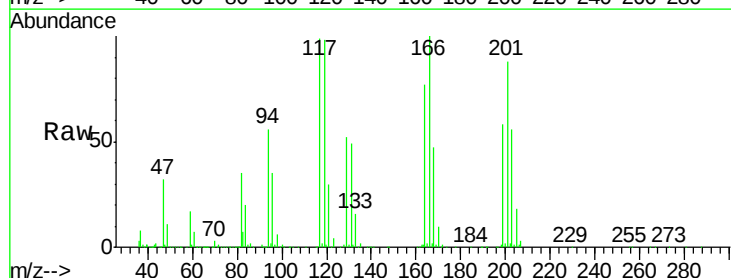
RT: 12.60 min Scan# 1877

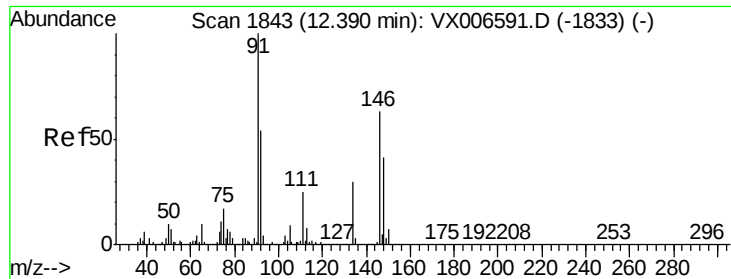
Delta R.T. 0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	117	Resp:	57304
Ion Ratio	Lower	Upper	
117	100		
201	86.9	42.9	128.7





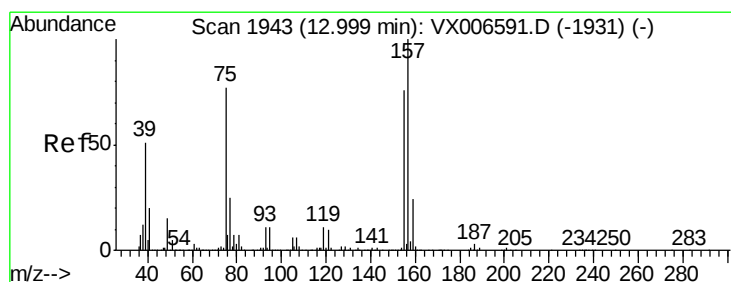
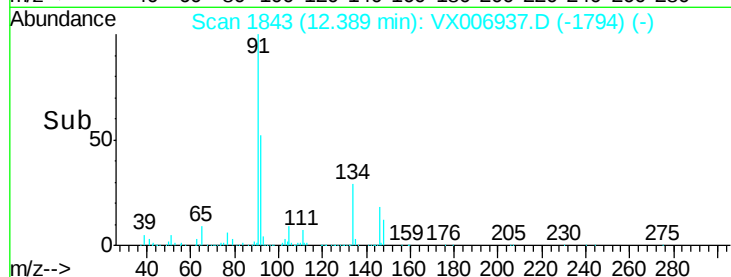
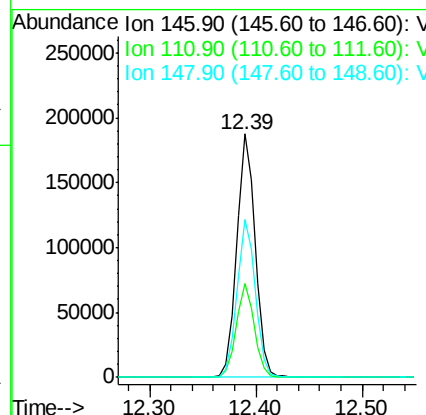
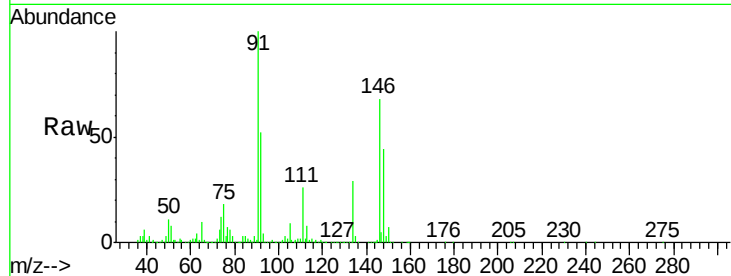
#91
 1,2-Dichlorobenzene
 Concen: 19.819 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	64.4	32.3	96.9

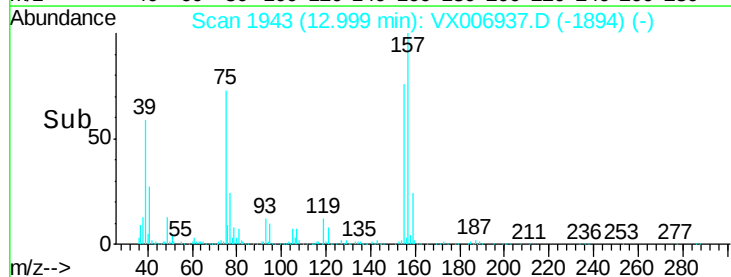
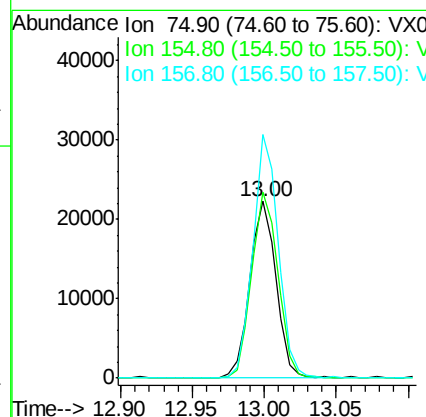
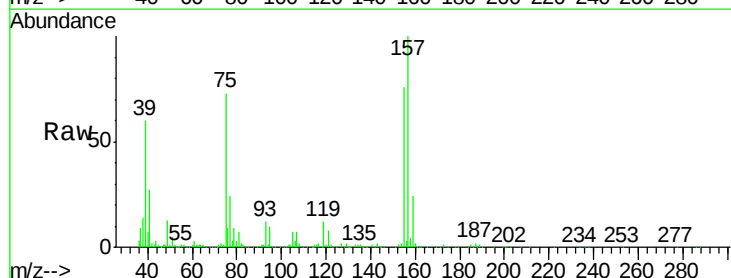
Manual Integrations
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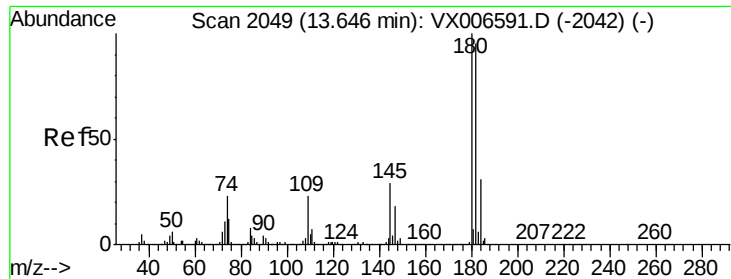
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.316 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	50.6	151.8
157	132.9	64.6	193.8





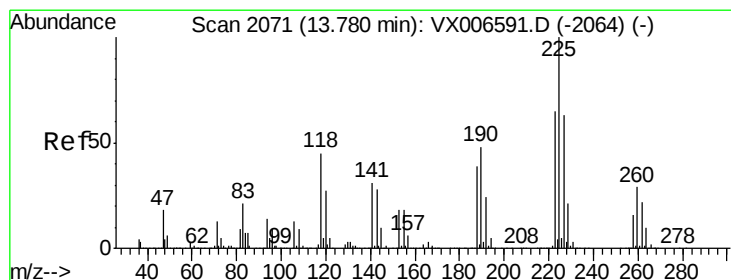
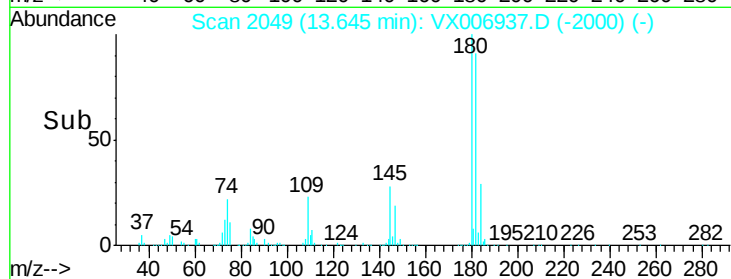
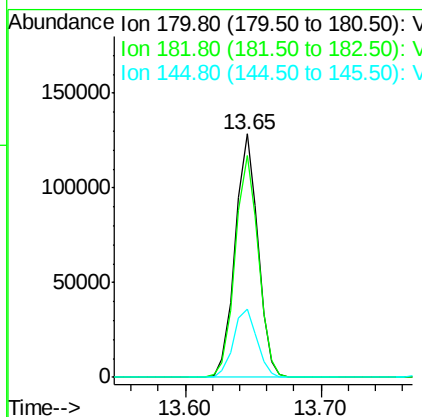
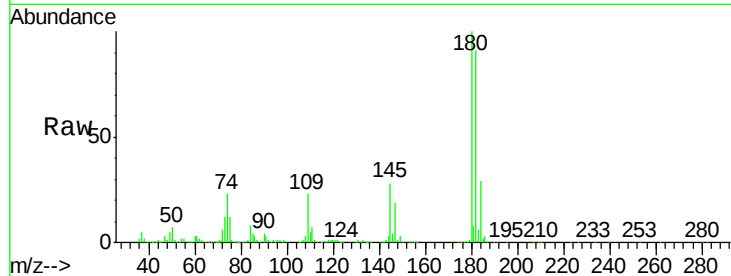
#93
 1,2,4-Trichlorobenzene
 Concen: 18.765 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149390		
182	93.2	47.3	142.0	
145	29.3	14.8	44.3	

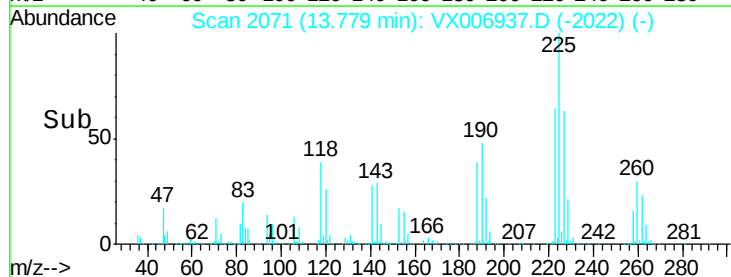
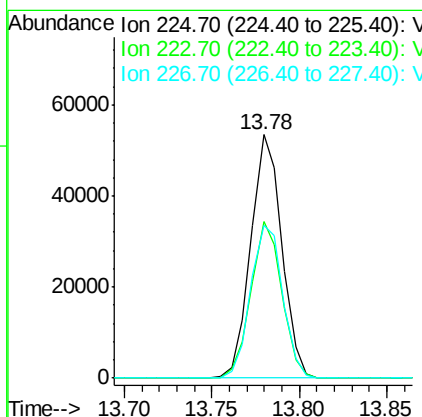
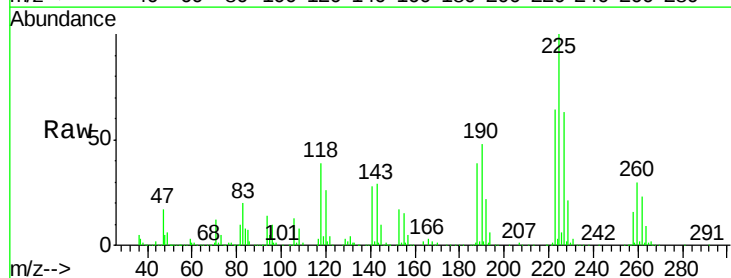
Manual Integrations
 APPROVED

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 1/8/2019 9:33:37 AM



#94
 Hexachlorobutadiene
 Concen: 17.568 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006937.D
 Acq: 07 Jan 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65921		
223	64.0	32.1	96.3	
227	65.2	32.3	96.8	





#95

Naphthalene

Concen: 18.586 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Instrument :

MSVOA_X

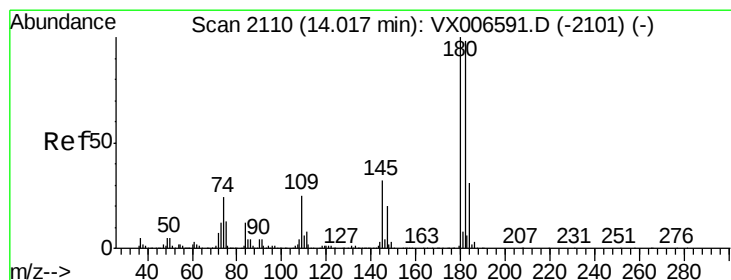
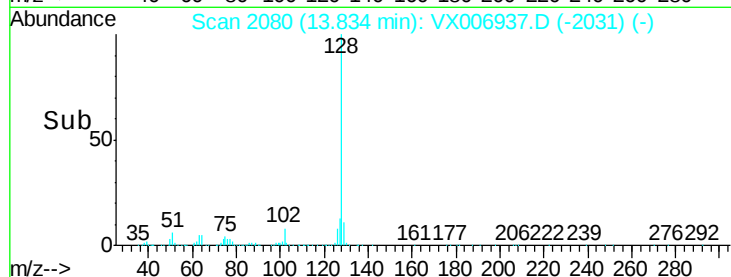
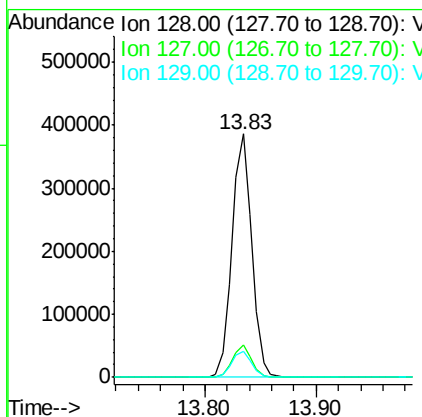
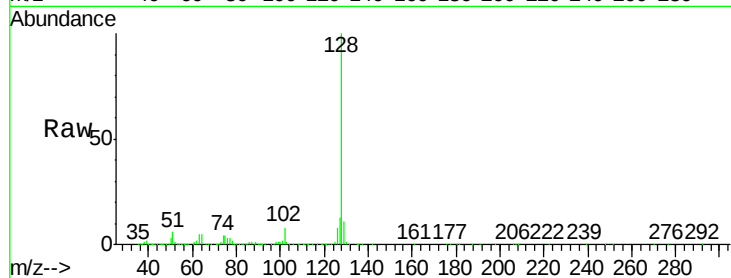
ClientSampled :

VX0107WBSD01

Tot Ion:	128	Resp:	472246
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.343 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006937.D

Acq: 07 Jan 2019 15:55

Tgt Ion:	180	Resp:	150768
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.5	145.5
145	30.5	16.0	47.9

