

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002436.D
 Acq On : 11 Jun 2018 10:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 5:07:00 PM

Quant Time: Jun 11 16:39:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	228269	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	161741	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	5.51	113	124702	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	8.72	98	458981	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	
62) 4-Bromofluorobenzene	11.14	95	188401	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	98488	42.40	ug/l	95
3) Chloromethane	1.33	50	125852	47.13	ug/l	99
4) Vinyl Chloride	1.41	62	130841	44.70	ug/l	100
5) Bromomethane	1.64	94	79999	48.17	ug/l	97
6) Chloroethane	1.72	64	92837	49.03	ug/l	99
7) Trichlorofluoromethane	1.93	101	219576	49.23	ug/l	98
8) Diethyl Ether	2.19	74	98145	62.53	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	123457	51.30	ug/l	100
10) Methyl Iodide	2.51	142	133530	39.45	ug/l	100
11) Tert butyl alcohol	3.07	59	174032	267.14	ug/l	98
12) 1,1-Dichloroethene	2.38	96	111979	47.08	ug/l	95
13) Acrolein	2.29	56	92905	294.60	ug/l	100
14) Allyl chloride	2.73	41	255411	49.48	ug/l	99
15) Acrylonitrile	3.15	53	397786	294.25	ug/l	100
16) Acetone	2.45	43	481940	359.10	ug/l	99
17) Carbon Disulfide	2.57	76	271713	43.34	ug/l	99
18) Methyl Acetate	2.78	43	193085	60.91	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	515906	62.90	ug/l	99
20) Methylene Chloride	2.86	84	148968	59.49	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	127629	48.66	ug/l	99
22) Diisopropyl ether	3.87	45	539773	62.98	ug/l	95
23) Vinyl Acetate	3.82	43	2387165	285.28	ug/l	100
24) 1,1-Dichloroethane	3.70	63	266394	52.22	ug/l	99
25) 2-Butanone	4.70	43	563063	257.03	ug/l	99
26) 2,2-Dichloropropane	4.59	77	195462	49.01	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	143420	50.28	ug/l	94
28) Bromochloromethane	5.02	49	134229	62.77	ug/l	100
29) Tetrahydrofuran	5.16	42	339189	240.15	ug/l	99
30) Chloroform	5.22	83	253108	51.42	ug/l	98
31) Cyclohexane	5.58	56	181888	45.09	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	205709	49.27	ug/l	100
36) 1,1-Dichloropropene	5.80	75	163226	45.29	ug/l	100
37) Ethyl Acetate	4.86	43	211567	48.81	ug/l	99
38) Carbon Tetrachloride	5.79	117	179499	47.61	ug/l	97

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Manual Integrations
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 6/11/2018 5:07:00 PM

Quant Time: Jun 11 16:39:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188097	42.28	ug/l	98
40) Benzene	6.15	78	529246	47.89	ug/l	100
41) Methacrylonitrile	5.06	41	121225	48.86	ug/l	100
42) 1,2-Dichloroethane	6.20	62	220411	50.20	ug/l	100
43) Isopropyl Acetate	6.46	43	368394	50.04	ug/l	100
44) Trichloroethene	7.21	130	148365	48.38	ug/l	100
45) 1,2-Dichloropropane	7.52	63	152487	51.11	ug/l	100
46) Dibromomethane	7.67	93	103907	51.38	ug/l	99
47) Bromodichloromethane	7.90	83	196189	53.64	ug/l	96
48) Methyl methacrylate	7.78	41	187313	50.65	ug/l	99
49) 1,4-Dioxane	7.76	88	66040	955.14	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1153204	251.54	ug/l	99
52) Toluene	8.79	92	349997	49.80	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	236613	53.94	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	226616	54.76	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	154725	53.52	ug/l	98
56) Ethyl methacrylate	9.18	69	238895	51.76	ug/l	99
57) 1,3-Dichloropropane	9.37	76	254084	52.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	619097	289.83	ug/l	99
59) 2-Hexanone	9.50	43	915771	258.61	ug/l	99
60) Dibromochloromethane	9.59	129	167570	57.63	ug/l	100
61) 1,2-Dibromoethane	9.68	107	162397	53.88	ug/l	100
64) Tetrachloroethene	9.34	164	156142	43.83	ug/l	96
65) Chlorobenzene	10.14	112	418710	48.71	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	160439	51.55	ug/l	100
67) Ethyl Benzene	10.26	91	697894	48.52	ug/l	99
68) m/p-Xylenes	10.36	106	544708	97.41	ug/l	100
69) o-Xylene	10.70	106	272139	48.91	ug/l	99
70) Styrene	10.71	104	464865	51.10	ug/l	100
71) Bromoform	10.86	173	133467	48.03	ug/l #	100
73) Isopropylbenzene	11.02	105	708948	44.65	ug/l	100
74) N-amyl acetate	6.46	43	368394	43.05	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	229564	45.96	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	202828m	40.49	ug/l	
77) Bromobenzene	11.26	156	209001	46.88	ug/l	98
78) n-propylbenzene	11.37	91	821940	46.57	ug/l	100
79) 2-Chlorotoluene	11.43	91	503906	45.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	624406	45.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	68618	48.02	ug/l	99
82) 4-Chlorotoluene	11.51	91	604225	46.97	ug/l	99
83) tert-Butylbenzene	11.77	119	609810	45.98	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	656245	46.81	ug/l	99
85) sec-Butylbenzene	11.95	105	725664	46.67	ug/l	100
86) p-Isopropyltoluene	12.07	119	673006	47.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	383380	48.10	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	392670	47.79	ug/l	99
89) n-Butylbenzene	12.39	91	595302	50.12	ug/l	100
90) Hexachloroethane	12.60	117	106582	47.14	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	395251	47.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52039	47.65	ug/l	99

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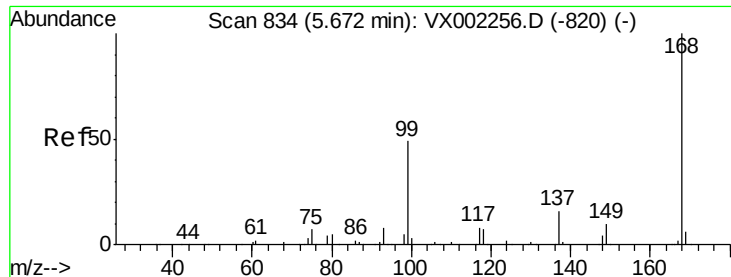
Manual Integrations
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6/11/2018 5:07:00 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	300990	52.05	ug/l	100
94) Hexachlorobutadiene	13.79	225	138120	48.33	ug/l	99
95) Naphthalene	13.84	128	815408	49.08	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	301799	51.17	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 223423

Ion Ratio Lower Upper

168 100

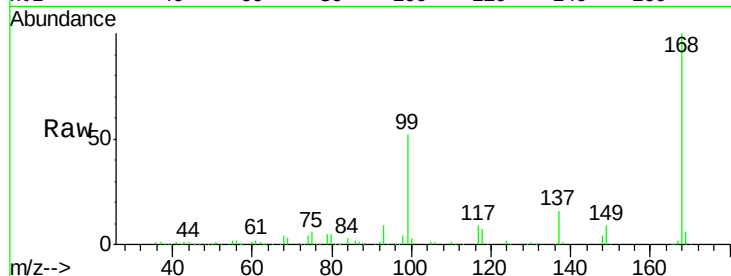
99 51.8 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

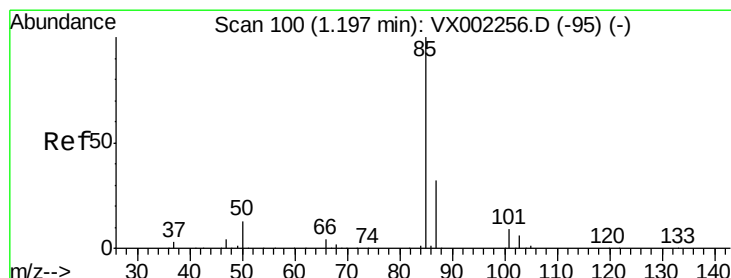
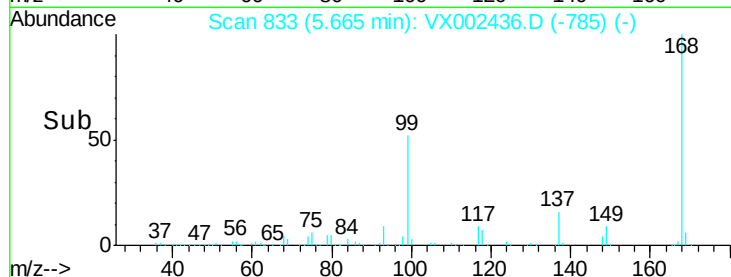
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.40 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002436.D

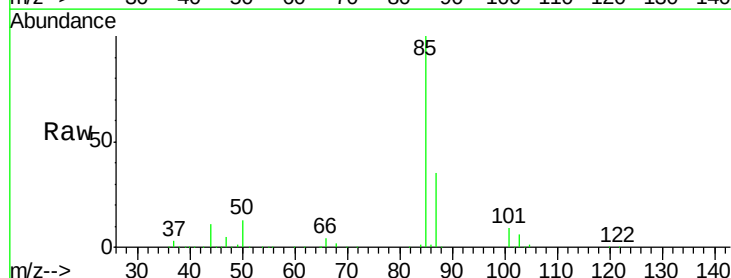
Acq: 11 Jun 2018 10:57

Tgt Ion: 85 Resp: 98488

Ion Ratio Lower Upper

85 100

87 34.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

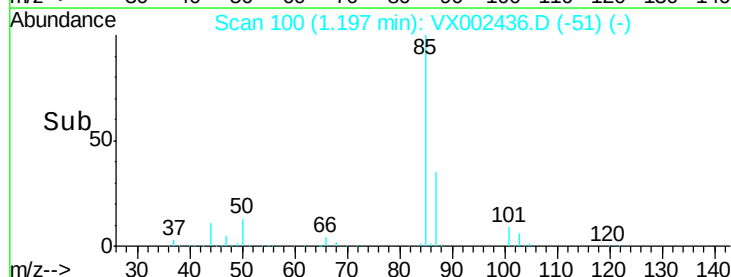
40000

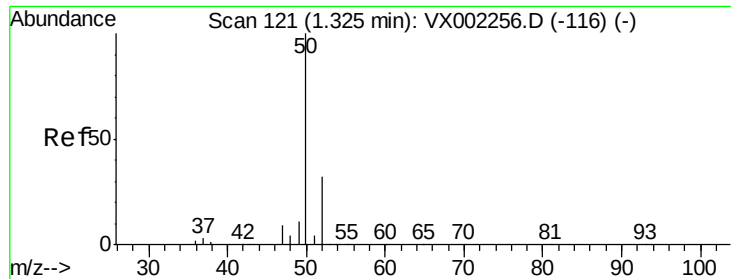
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.13 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125852

Ion Ratio Lower Upper

50 100

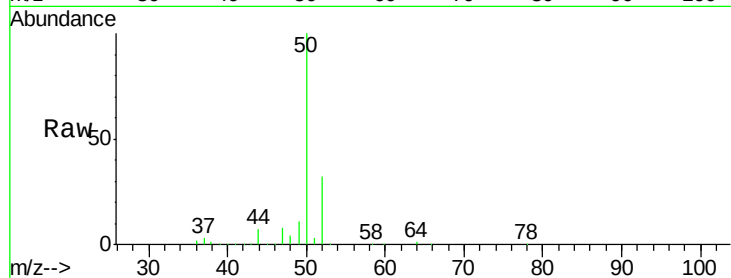
52 32.5 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

120000

100000

80000

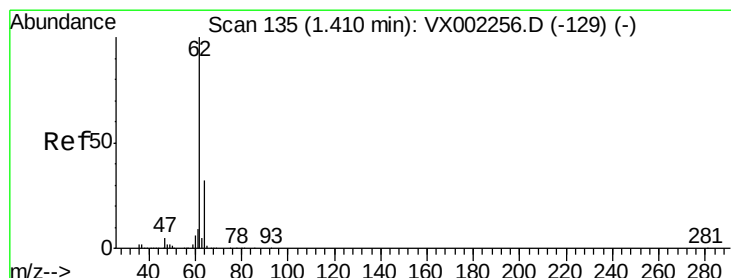
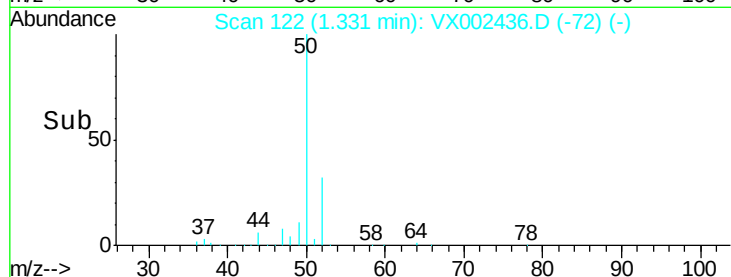
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 44.70 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002436.D

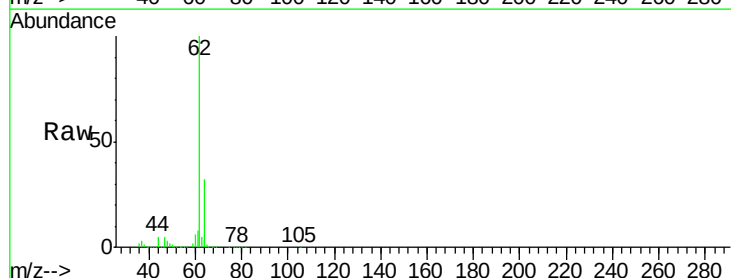
Acq: 11 Jun 2018 10:57

Tgt Ion: 62 Resp: 130841

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

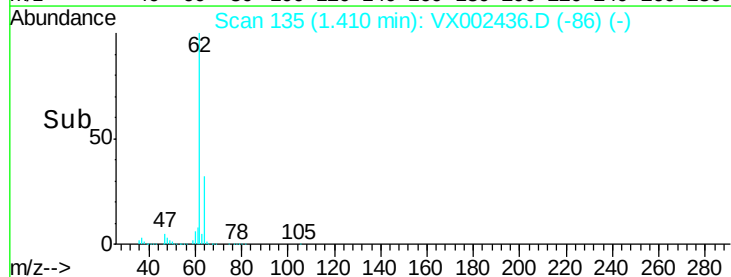
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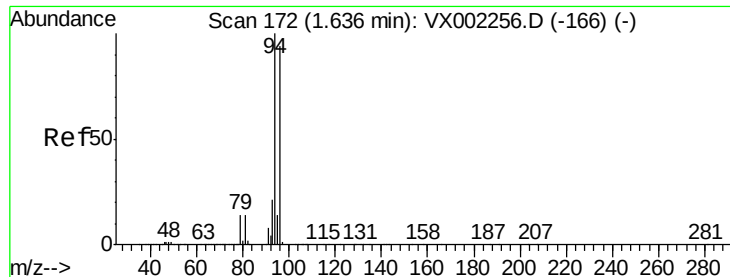
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.17 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79999

Ion Ratio Lower Upper

94 100

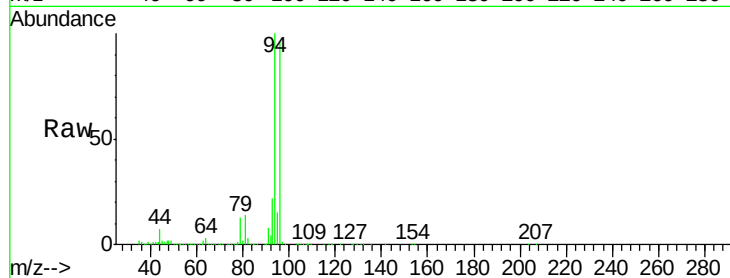
96 96.2 74.9 112.3

Manual Integrations

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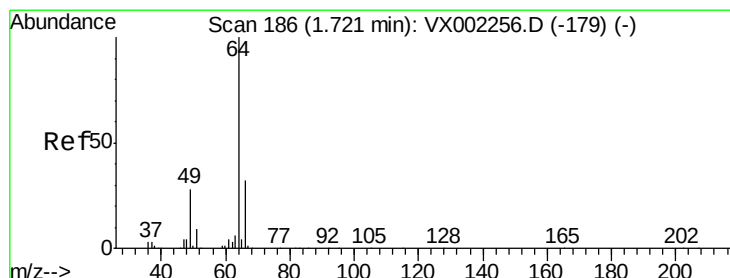
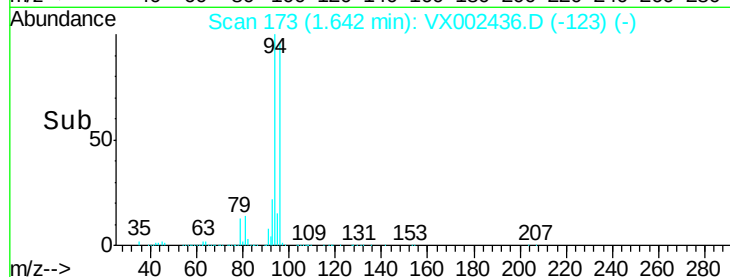
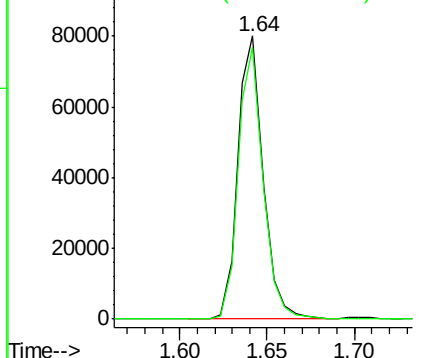
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.03 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002436.D

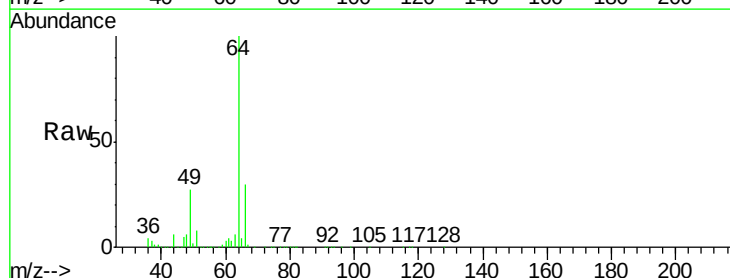
Acq: 11 Jun 2018 10:57

Tgt Ion: 64 Resp: 92837

Ion Ratio Lower Upper

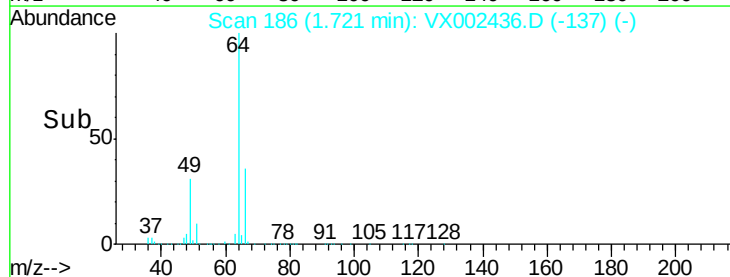
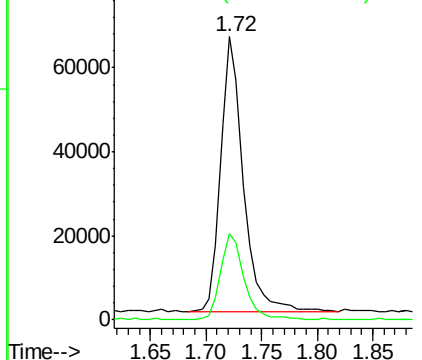
64 100

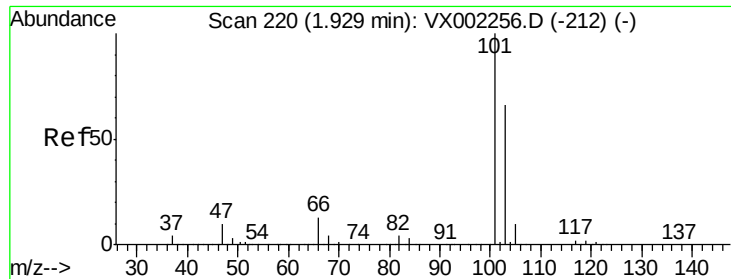
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

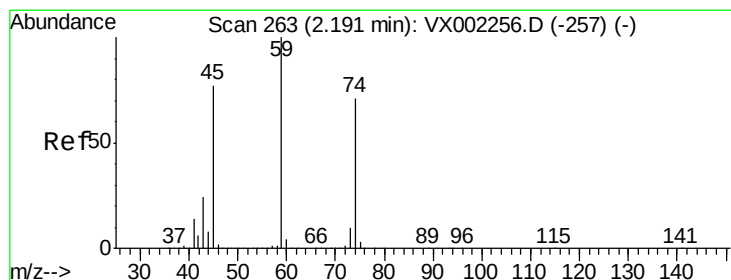
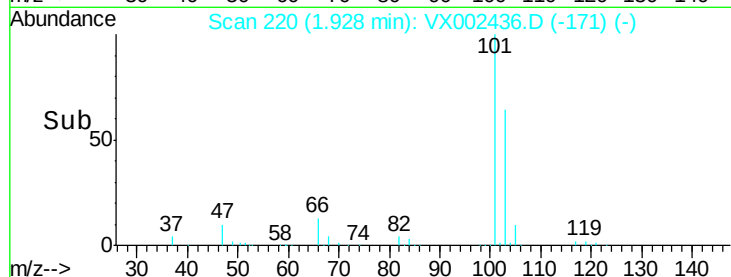
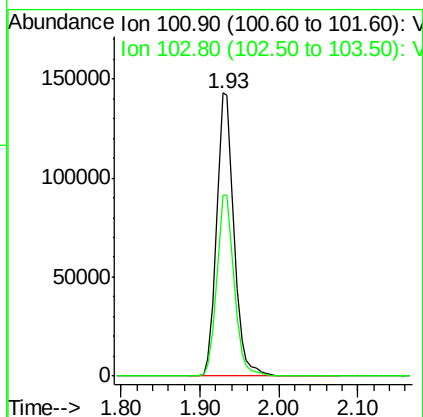
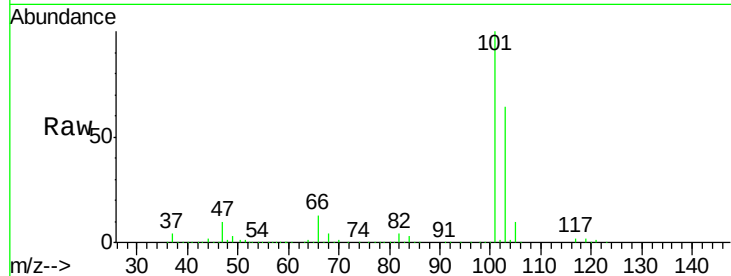
Trichlorofluoromethane
Concen: 49.23 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.8	79.2

Manual Integrations
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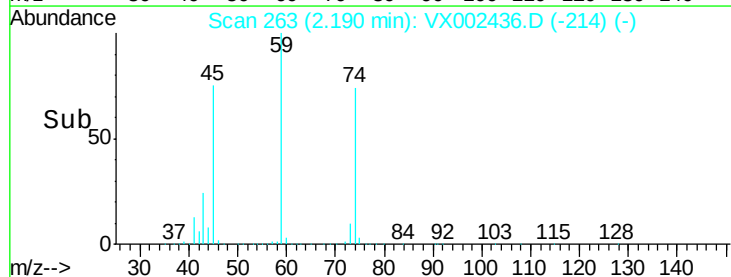
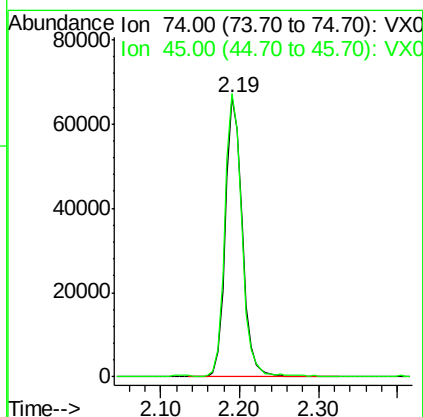
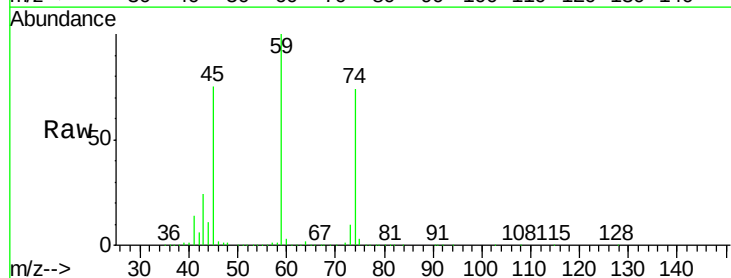
MMDadoda
6/11/2018 5:07:00 PM

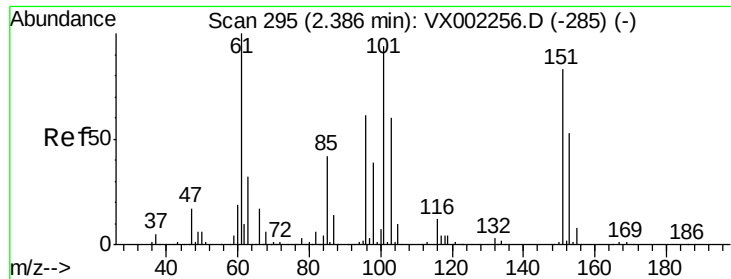


#8

Diethyl Ether
Concen: 62.53 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	53.1	159.4





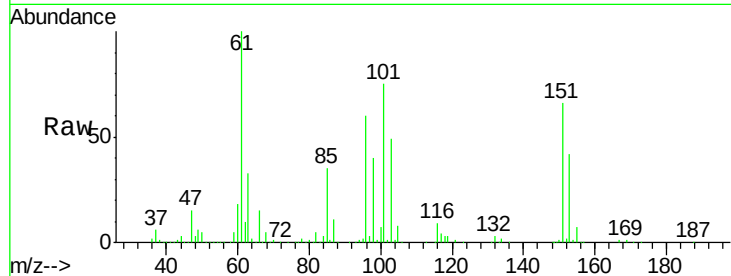
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.30 ug/l
RT: 2.39 min Scan# 295
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123457		
85	45.3	36.0	54.0	
151	88.6	70.9	106.3	

Manual Integrations
APPROVED

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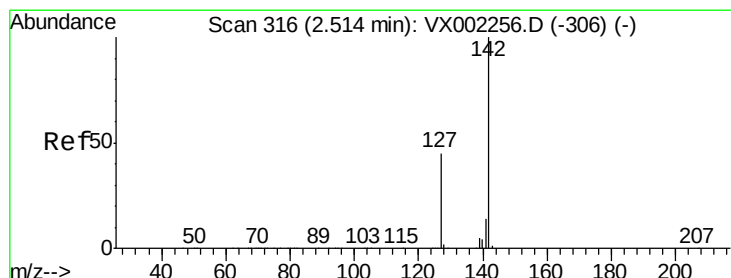
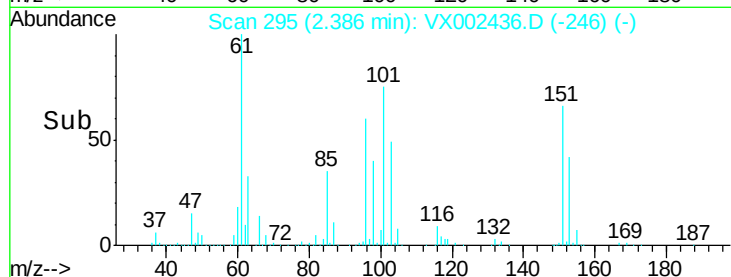
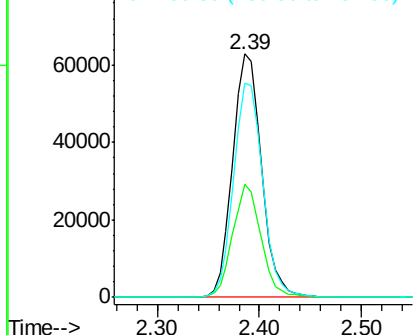


Abundance

Ion 100.90 (100.60 to 101.60): V

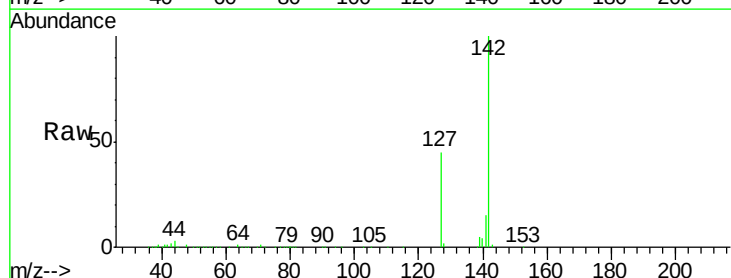
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 39.45 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	133530		
127	46.1	36.6	55.0	
141	14.2	11.3	16.9	

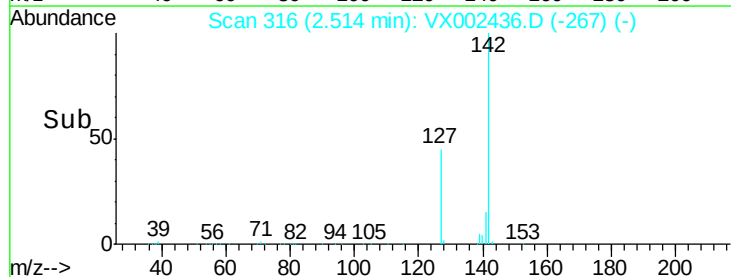
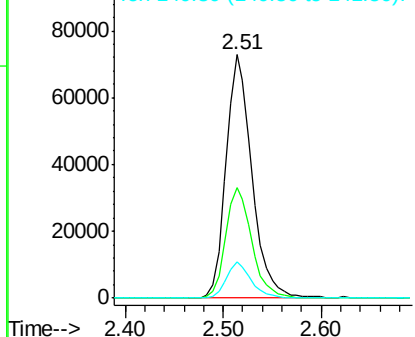


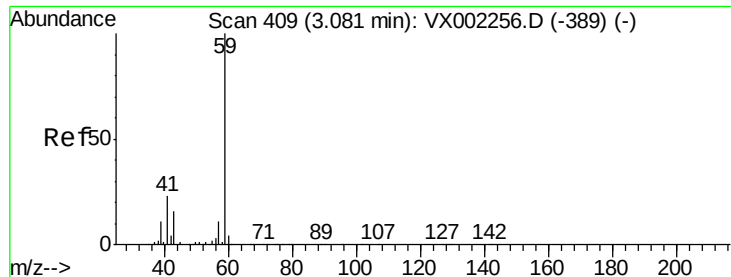
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

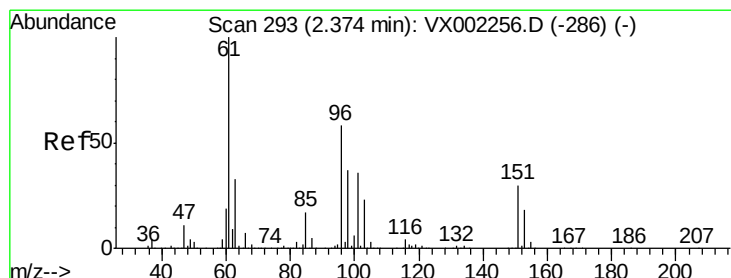
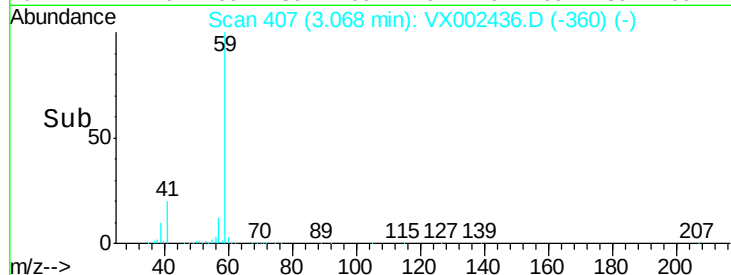
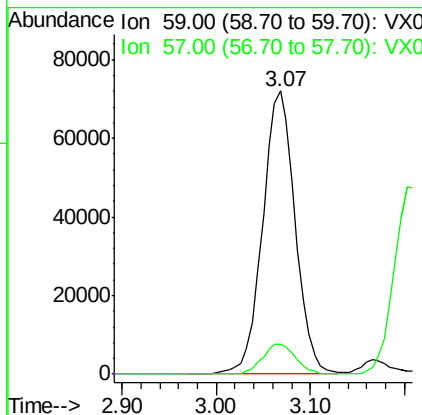
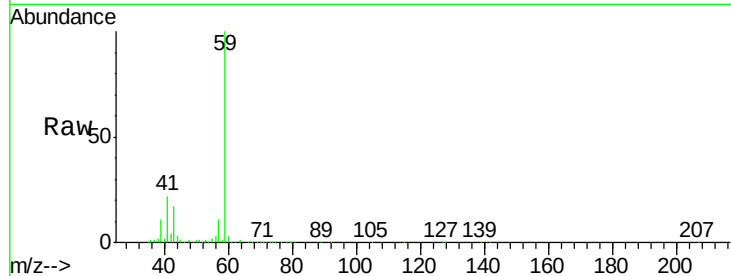
Tert butyl alcohol
Concen: 267.14 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	174032
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.2

Manual Integrations
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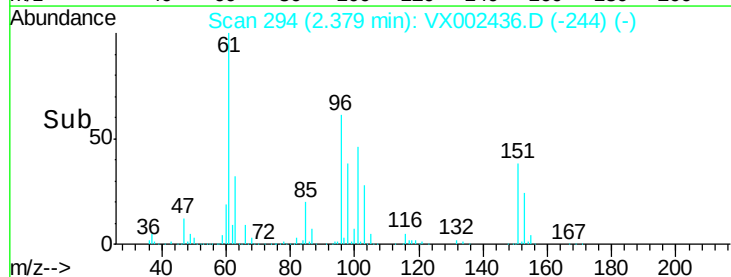
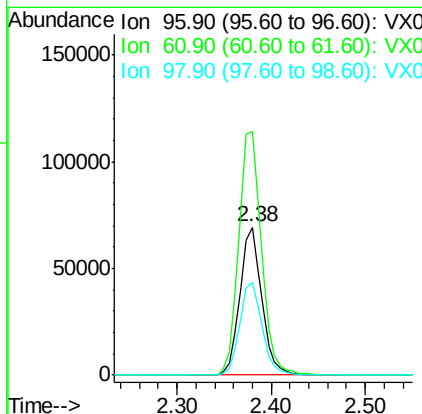
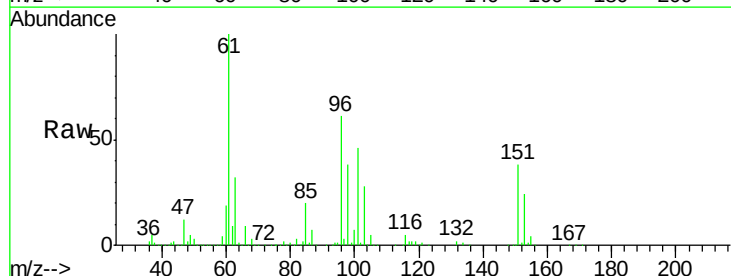
MMDadoda
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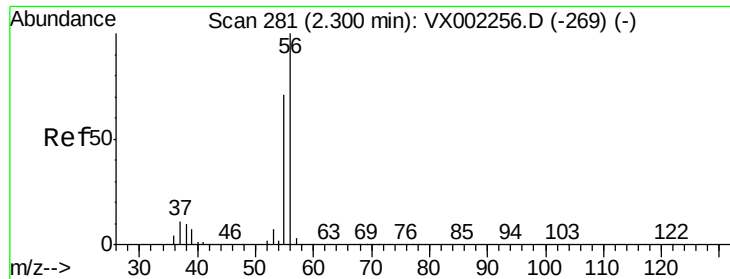


#12

1,1-Dichloroethene
Concen: 47.08 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	96	Resp	111979
Ion Ratio	100	Lower	Upper
61	164.9	137.9	206.9
98	62.8	51.6	77.4





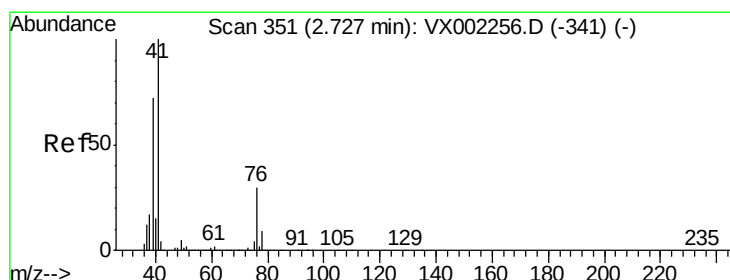
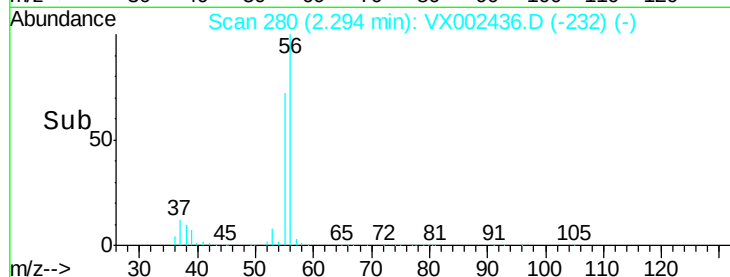
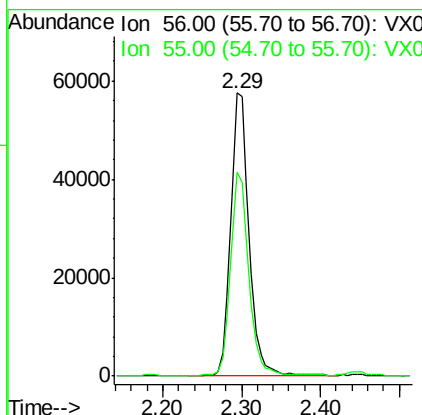
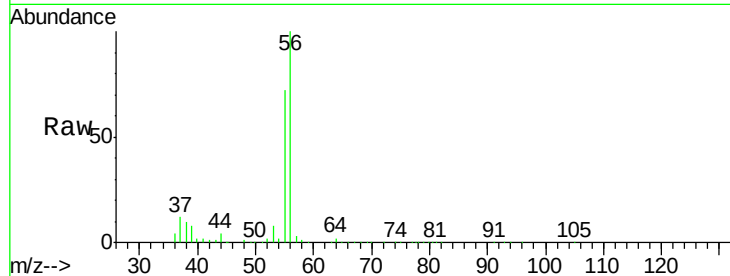
#13
Acrolein
Concen: 294.60 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.4

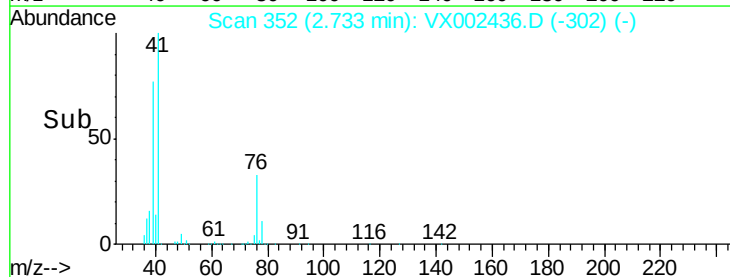
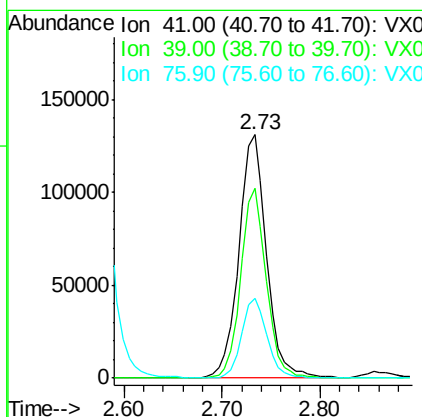
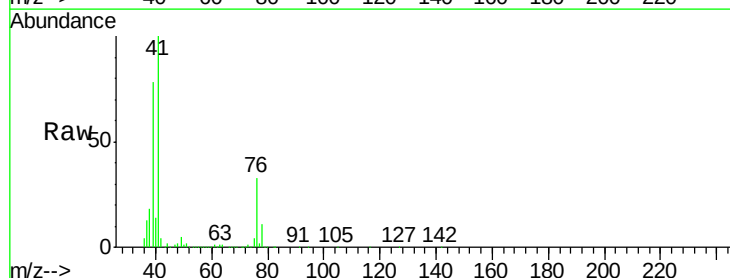
Manual Integrations
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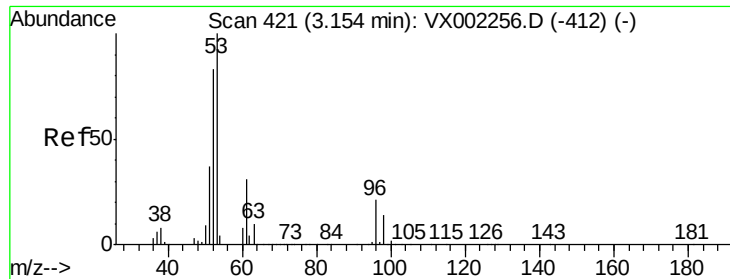
MMDadoda
6/11/2018 5:07:00 PM



#14
Allyl chloride
Concen: 49.48 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.0	56.8	85.2
76	30.2	23.8	35.8





#15

Acrylonitrile

Concen: 294.25 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

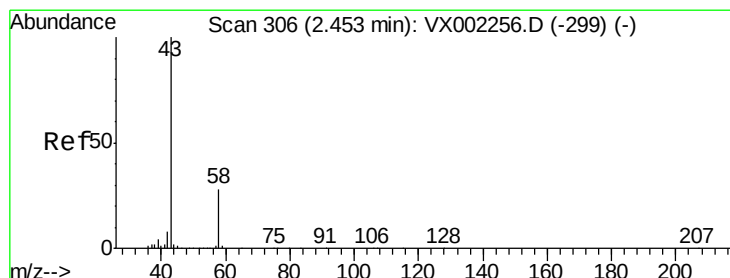
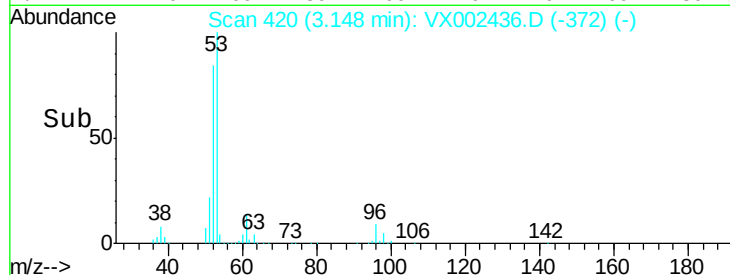
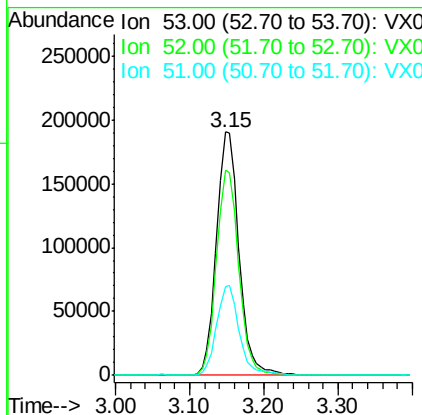
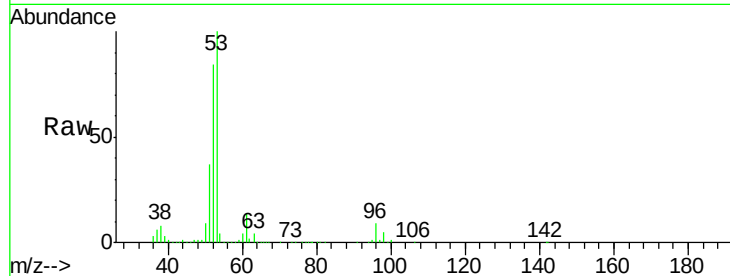
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	397786
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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6/11/2018 5:07:00 PM



#16

Acetone

Concen: 359.10 ug/l

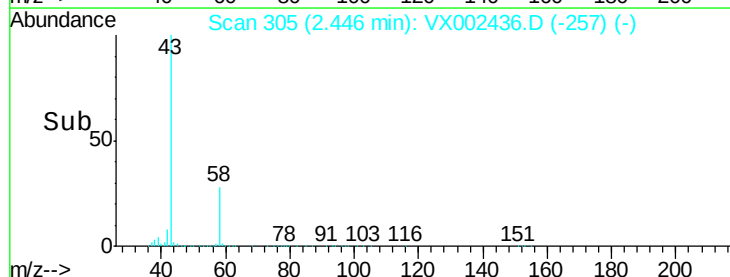
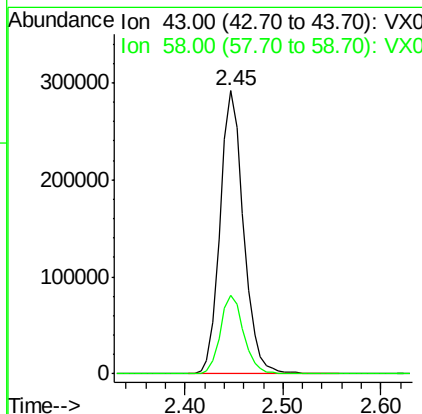
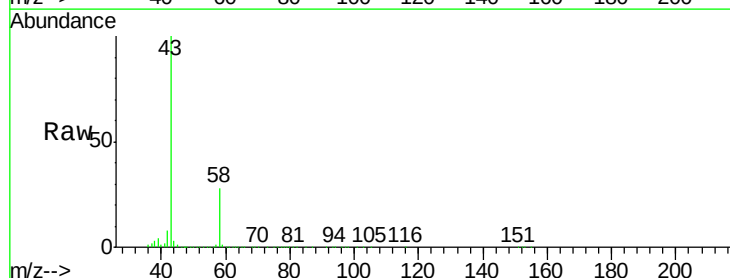
RT: 2.45 min Scan# 305

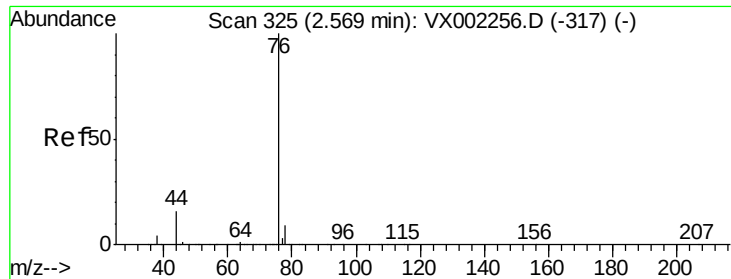
Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	43	Resp:	481940
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.1	33.1





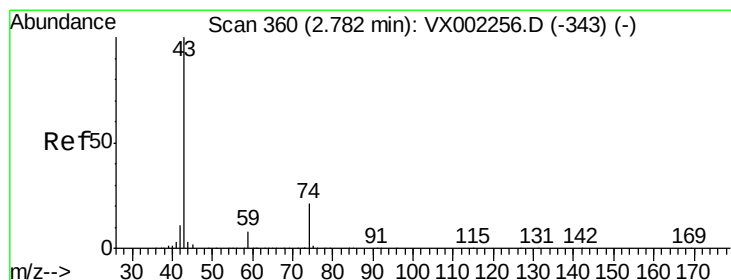
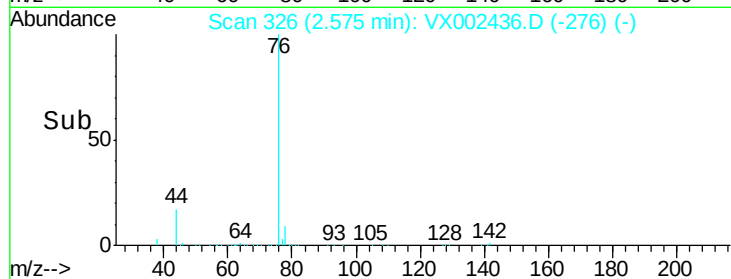
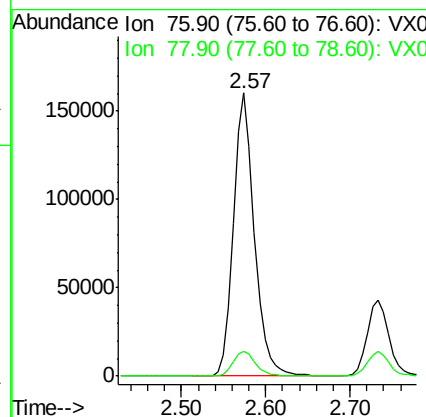
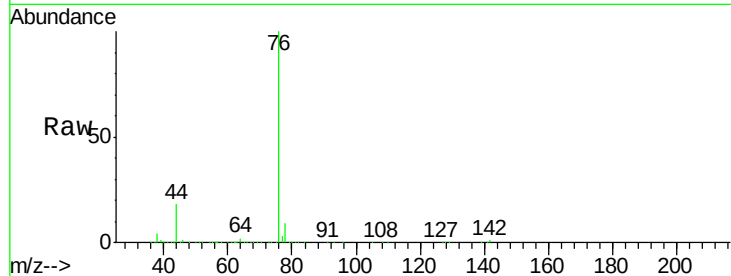
#17
Carbon Disulfide
Concen: 43.34 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	271713		
78	8.8	6.9	10.3	

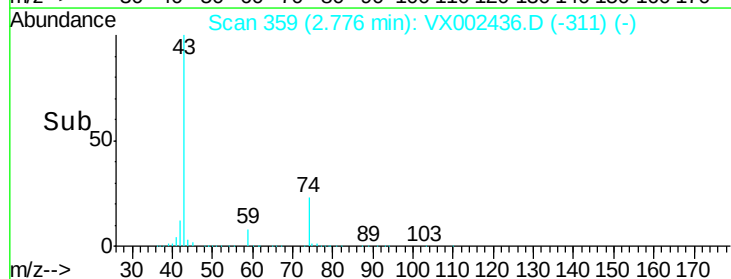
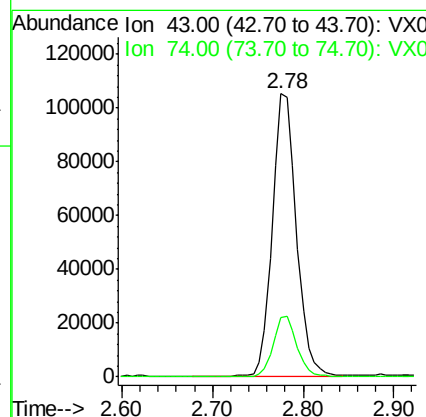
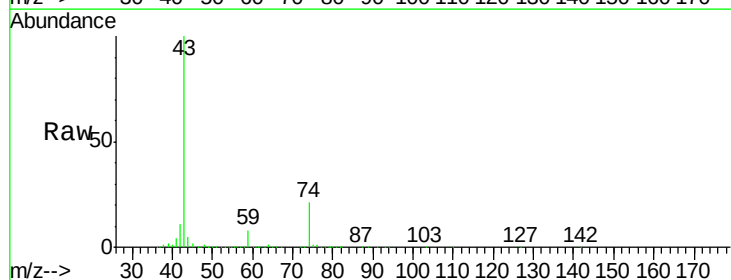
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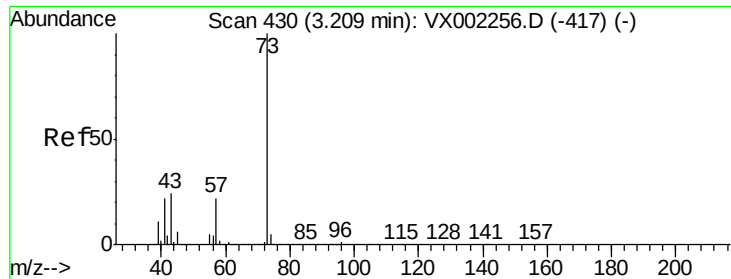
MMDadoda
6/11/2018 5:07:00 PM



#18
Methyl Acetate
Concen: 60.91 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	193085		
74	21.5	16.7	25.1	





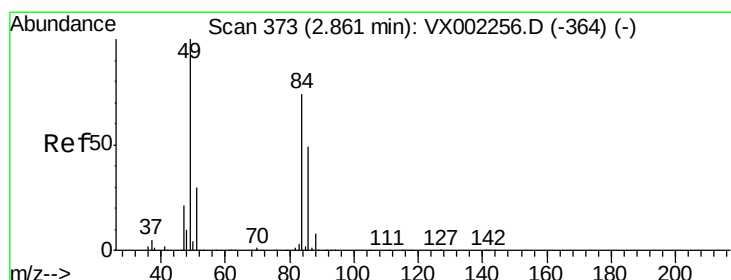
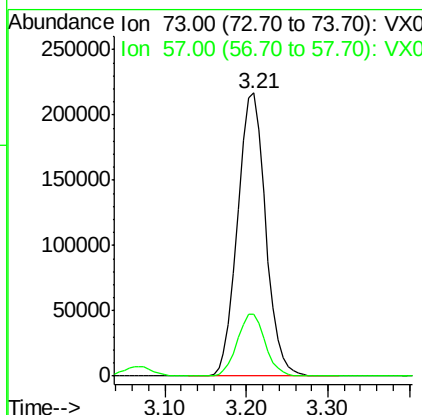
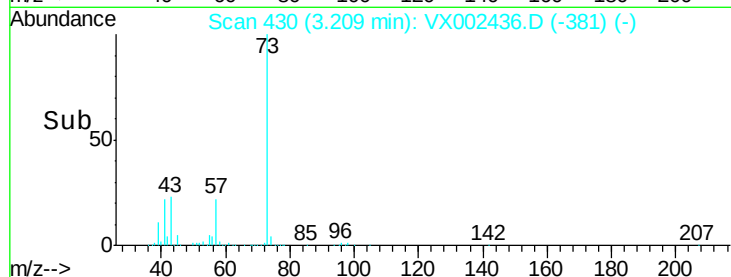
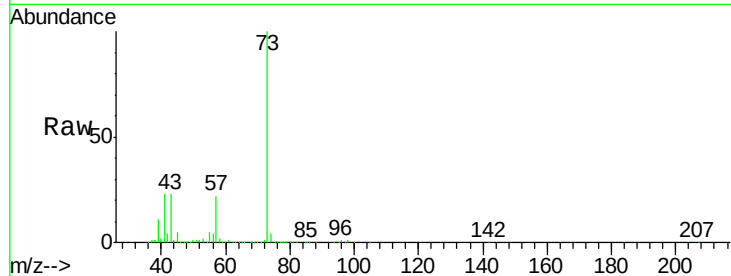
#19
Methyl tert-butyl Ether
Concen: 62.90 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

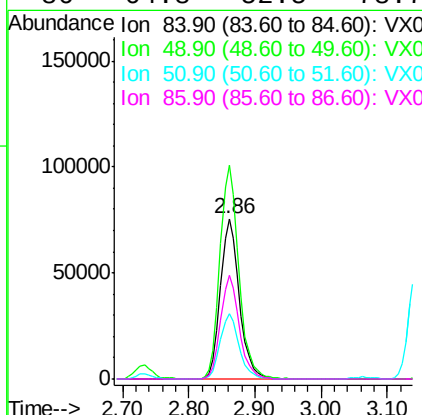
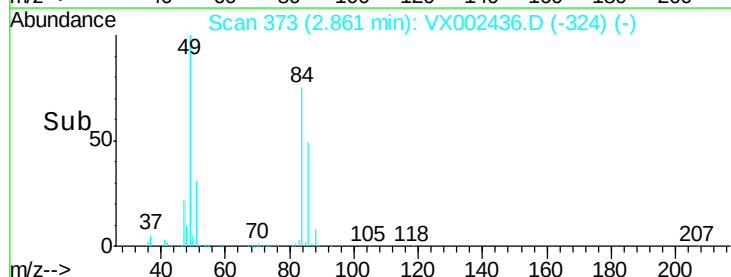
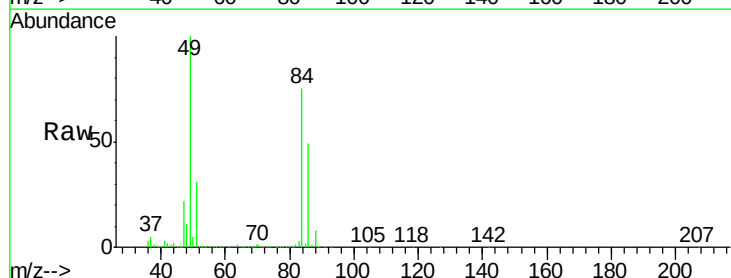
Manual Integrations
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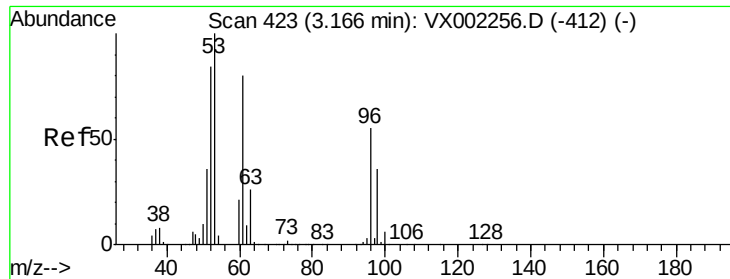
MMDadoda
6/11/2018 5:07:00 PM



#20
Methylene Chloride
Concen: 59.49 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	107.8	161.6
51	40.9	32.8	49.2
86	64.8	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 127629

Ion Ratio Lower Upper

96 100

61 147.6 117.0 175.4

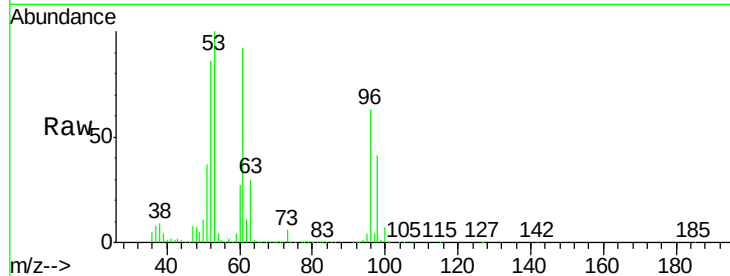
98 65.6 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:00 PM

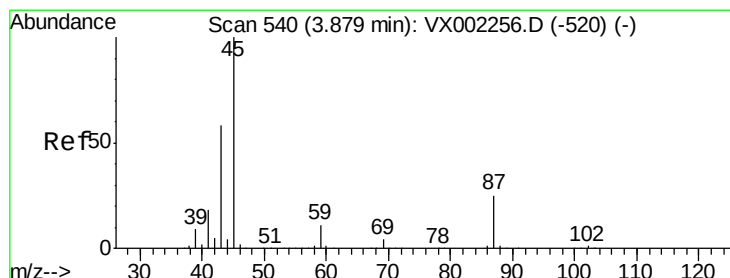
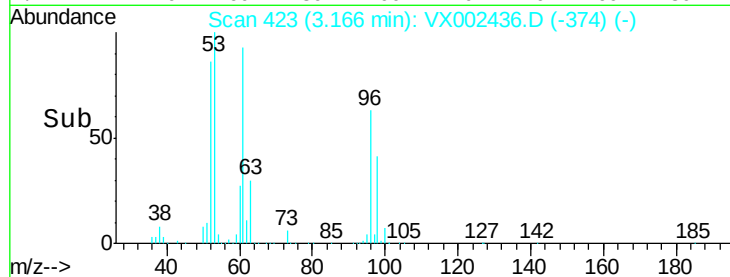
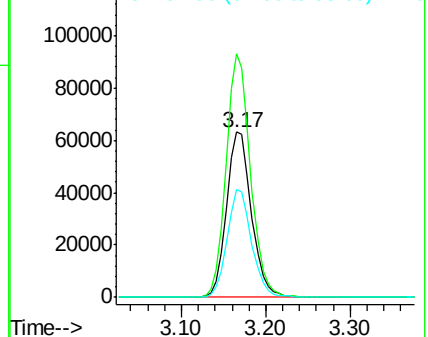


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 62.98 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion: 45 Resp: 539773

Ion Ratio Lower Upper

45 100

43 63.8 46.8 70.2

87 26.5 20.2 30.4

59 10.5 8.7 13.1

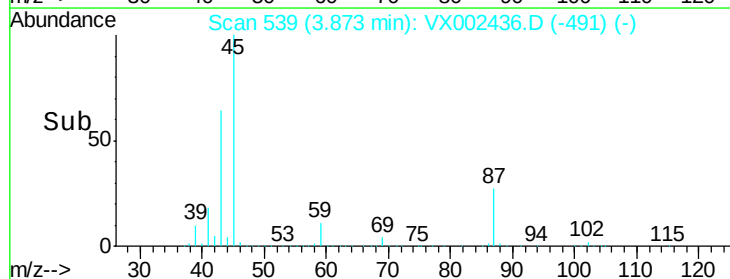
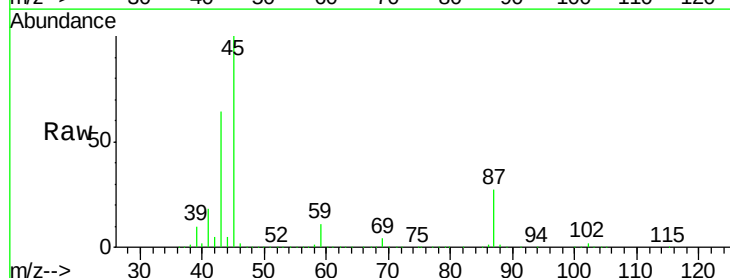
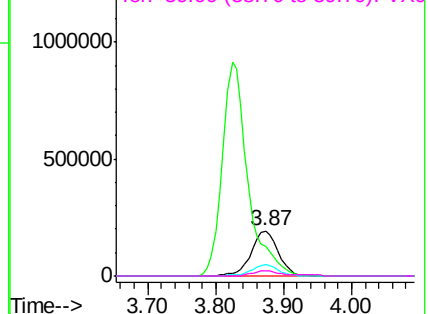
Abundance

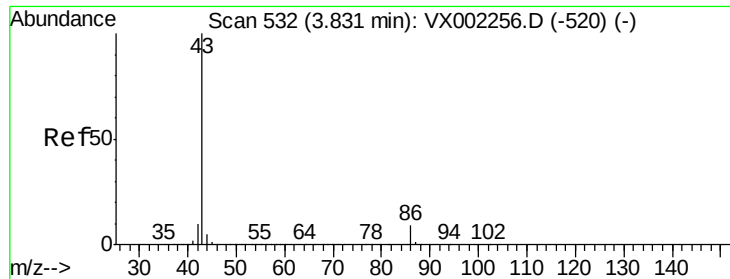
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 285.28 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2387165

Ion Ratio Lower Upper

43 100

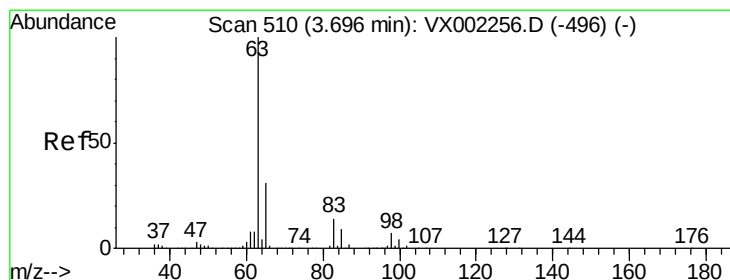
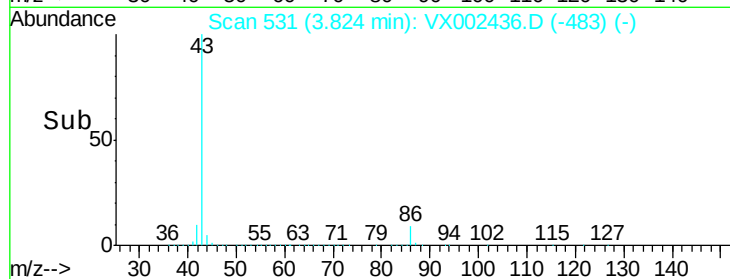
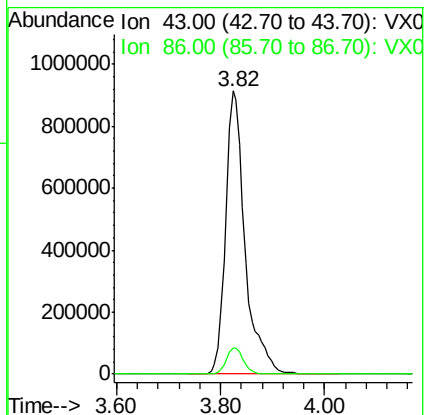
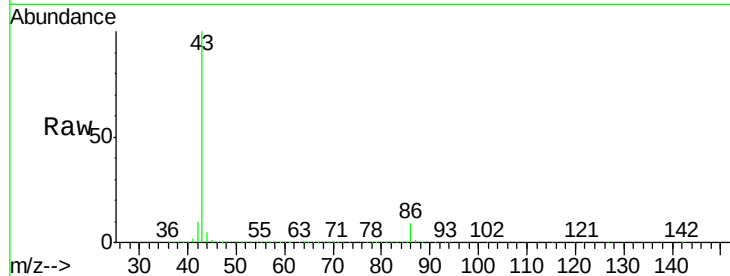
86 9.2 7.4 11.0

Manual Integrations

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6/11/2018 5:07:00 PM



#24

1,1-Dichloroethane

Concen: 52.22 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

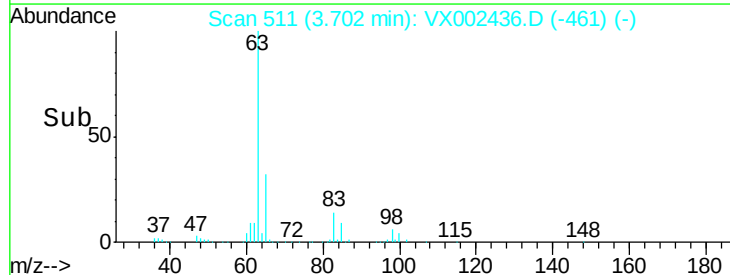
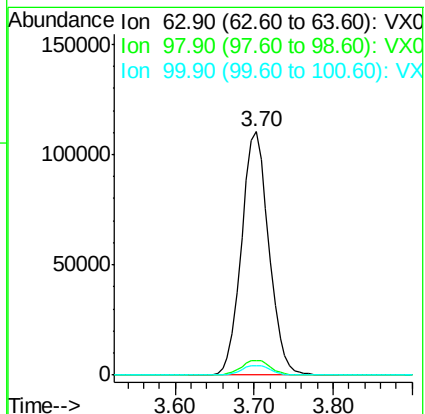
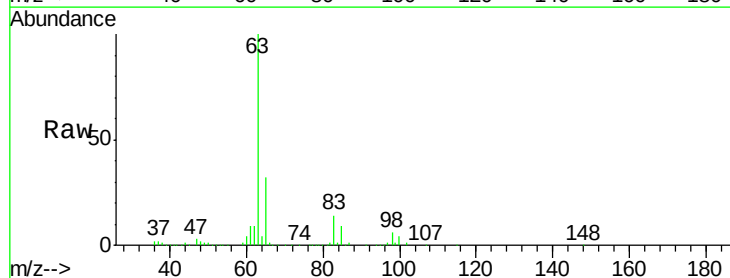
Tgt Ion: 63 Resp: 266394

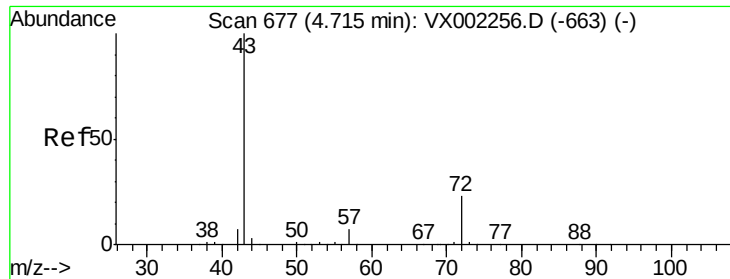
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 257.03 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 563063

Ion Ratio Lower Upper

43 100

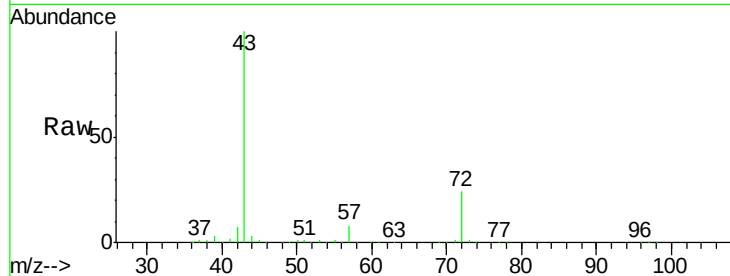
72 23.5 18.5 27.7

Manual Integrations

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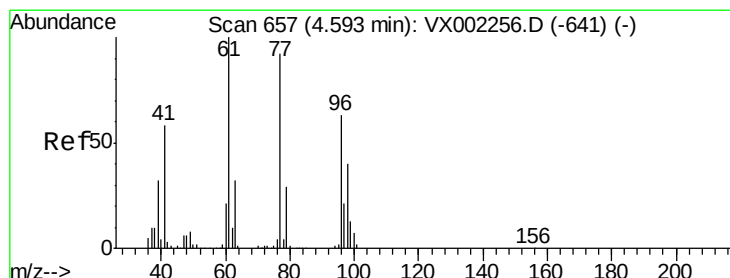
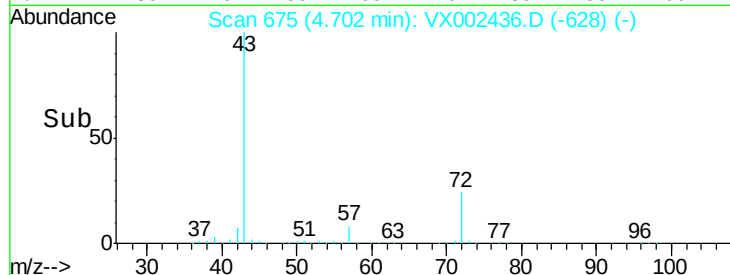
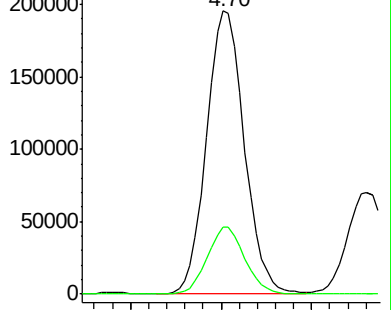
MMDadoda

6/11/2018 5:07:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.01 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002436.D

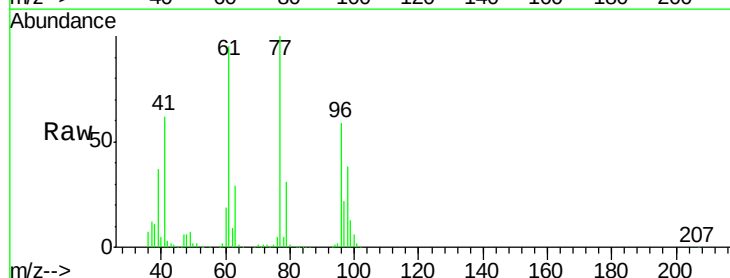
Acq: 11 Jun 2018 10:57

Tgt Ion: 77 Resp: 195462

Ion Ratio Lower Upper

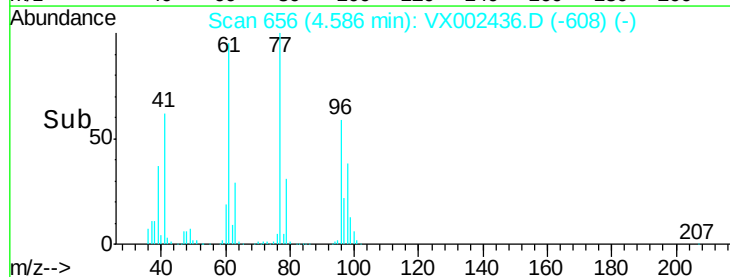
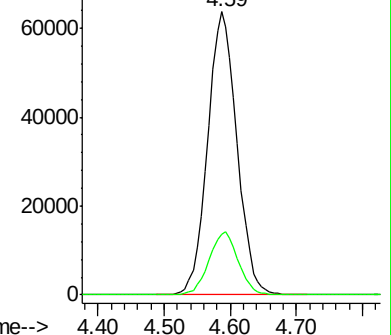
77 100

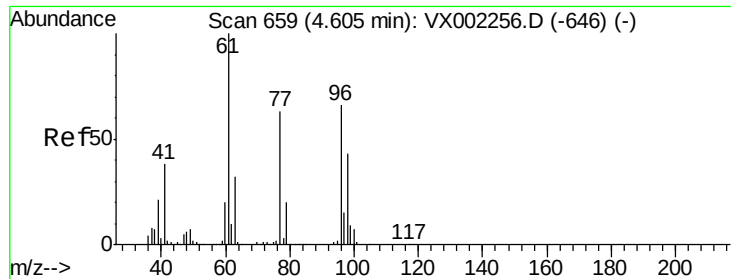
97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

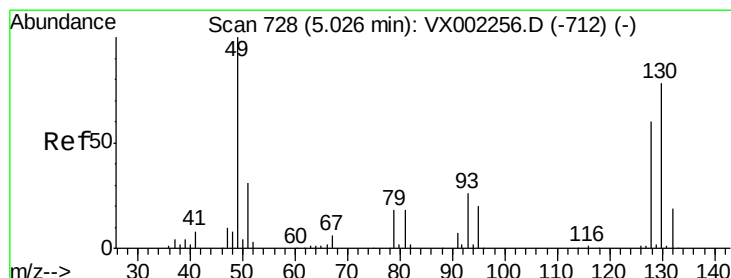
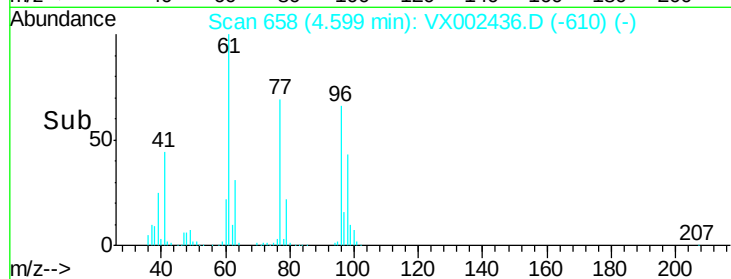
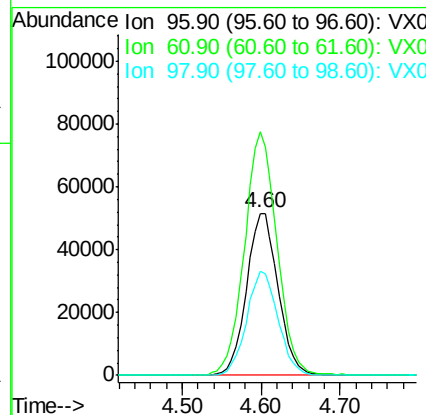
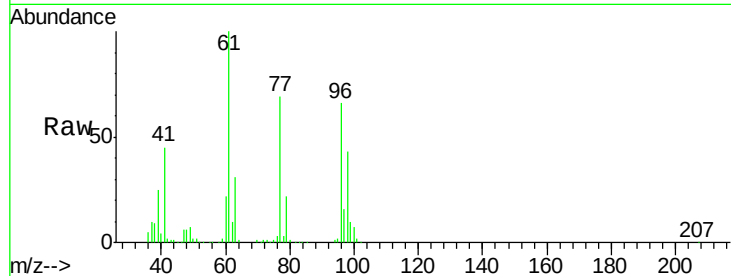
cis-1,2-Dichloroethene
Concen: 50.28 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	330.2
98	64.0	0.0	130.2

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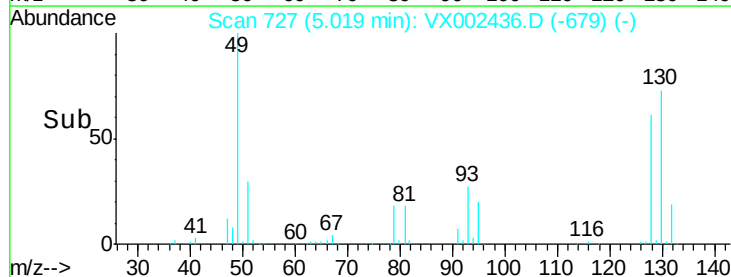
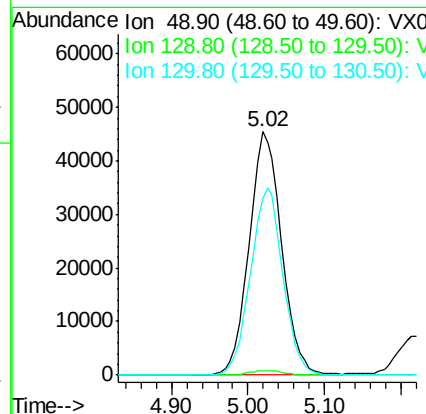
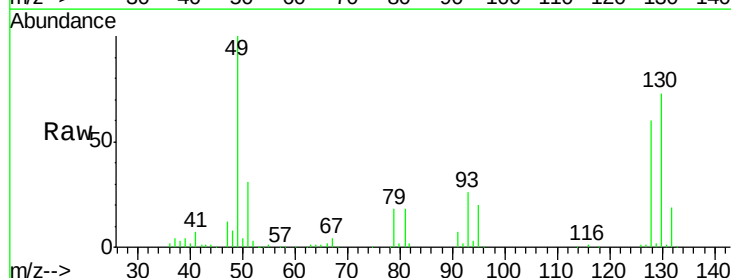
MMDadoda
6/11/2018 5:07:00 PM

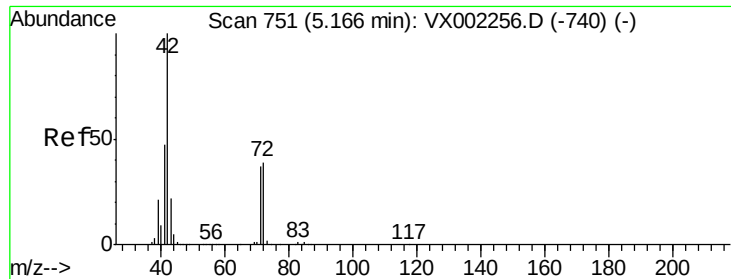


#28

Bromochloromethane
Concen: 62.77 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.7	61.2	91.8





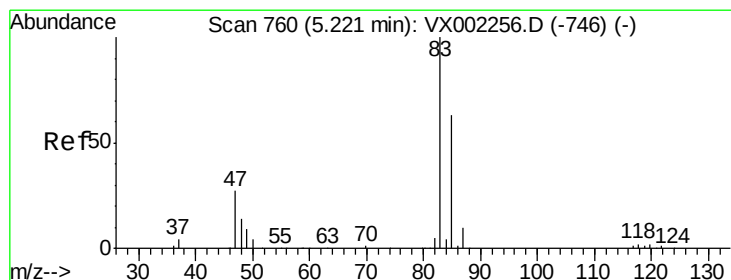
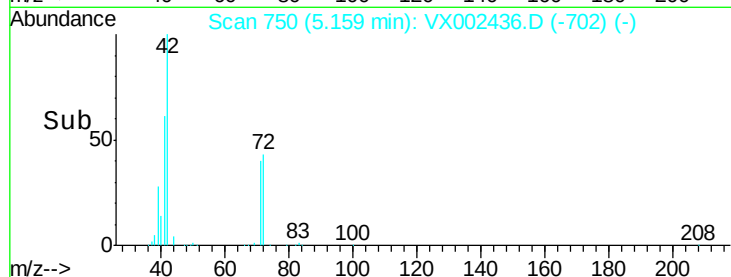
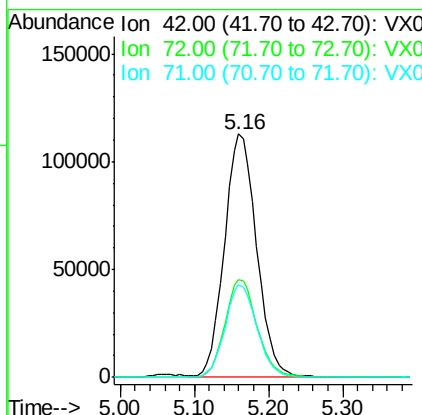
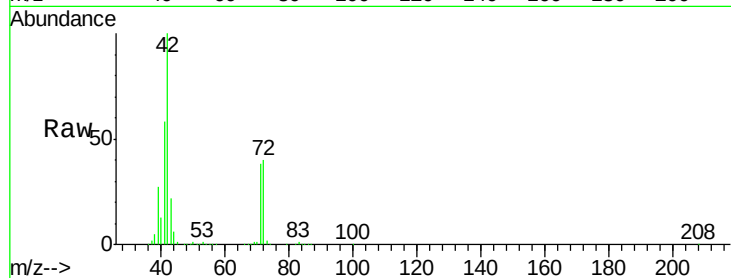
#29
Tetrahydrofuran
Concen: 240.15 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	37.9	30.1	45.1

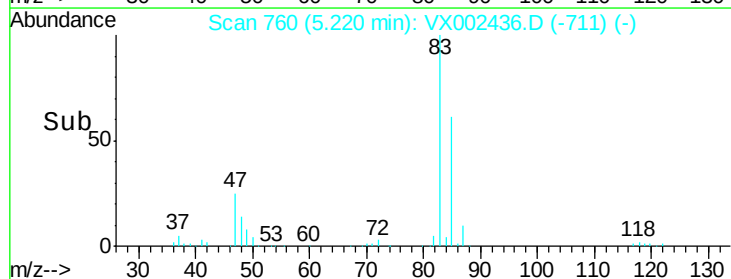
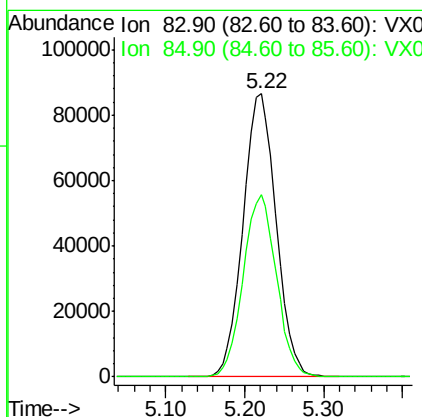
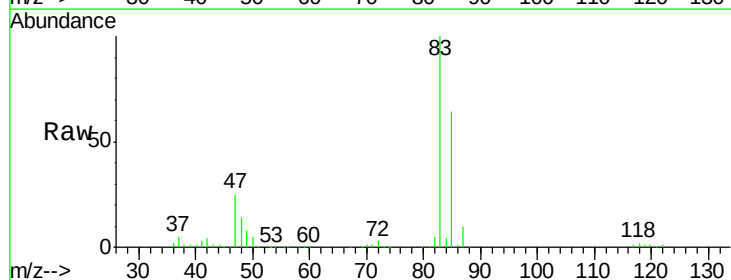
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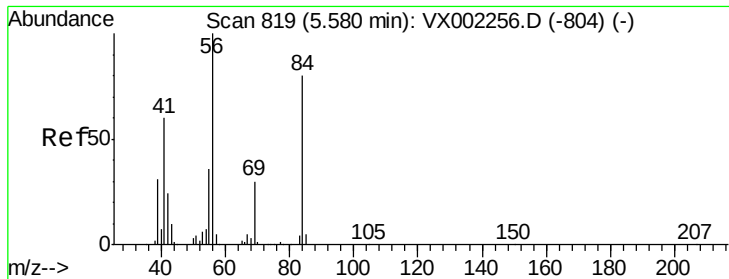
MMDadoda
6/11/2018 5:07:00 PM



#30
Chloroform
Concen: 51.42 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 45.09 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

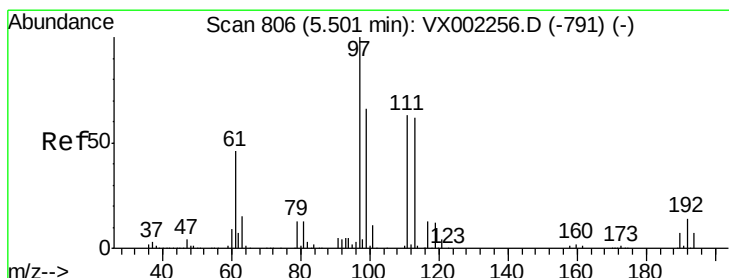
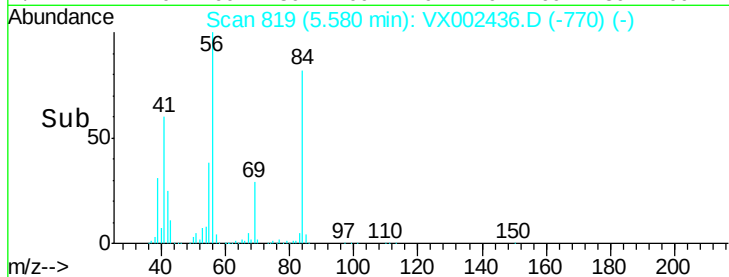
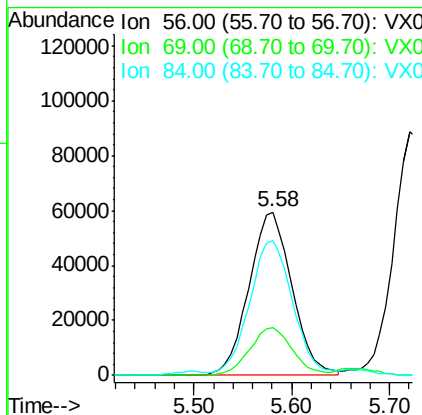
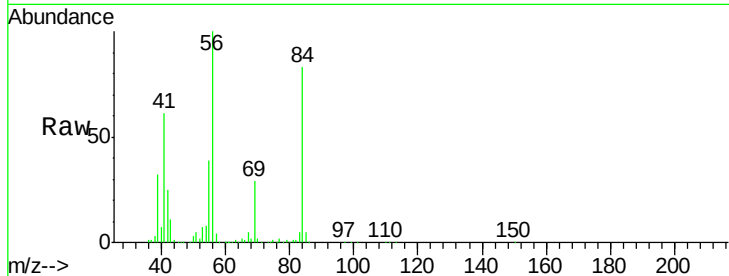
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	181888
Ion Ratio	Lower	Upper	
56	100		
69	28.9	23.7	35.5
84	80.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.27 ug/l

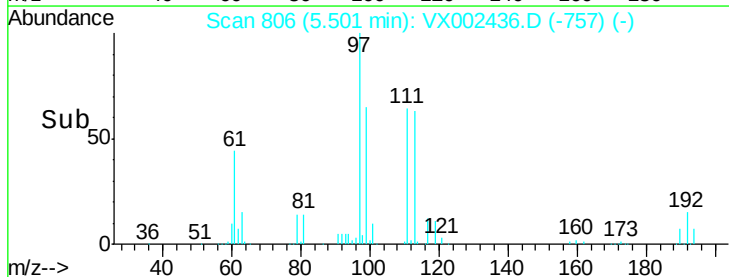
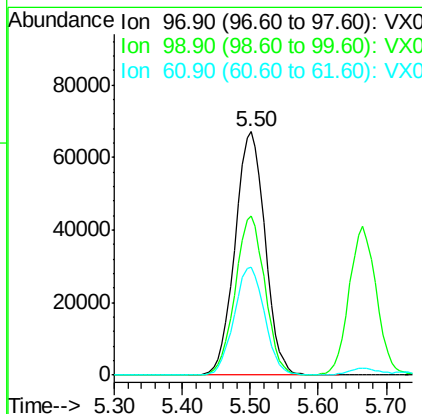
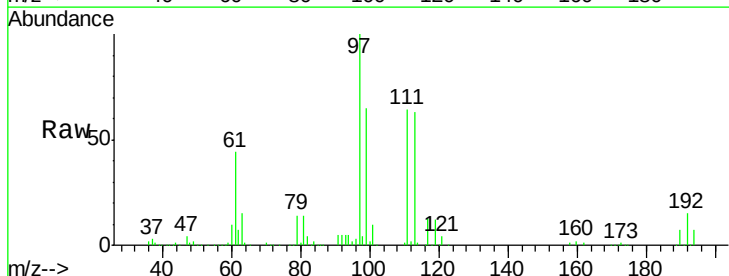
RT: 5.50 min Scan# 806

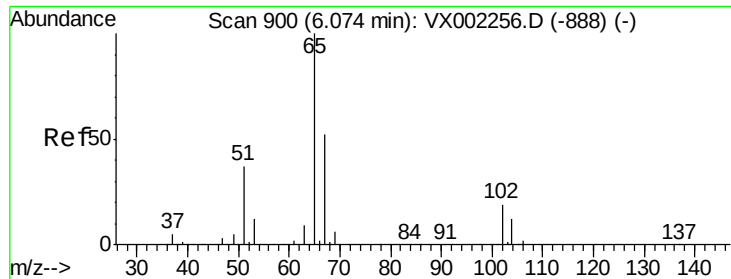
Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	97	Resp:	205709
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	45.2	36.4	54.6





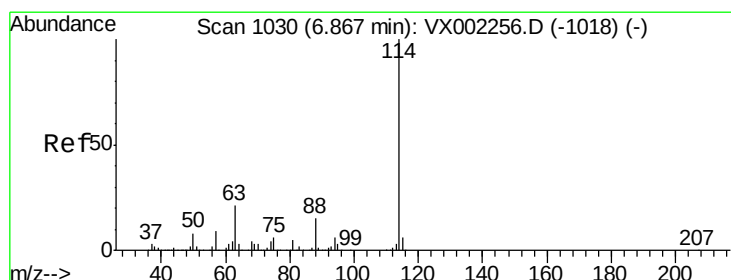
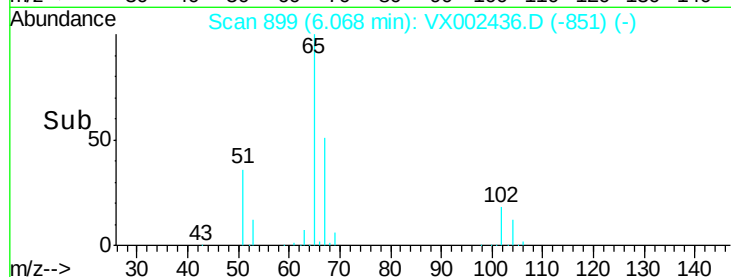
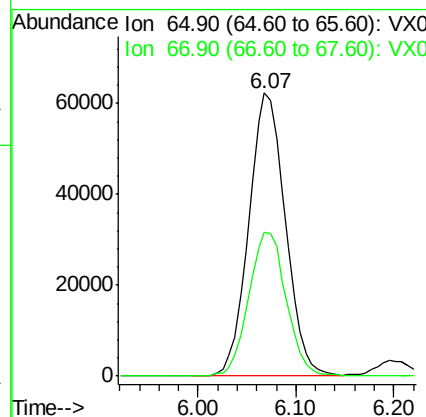
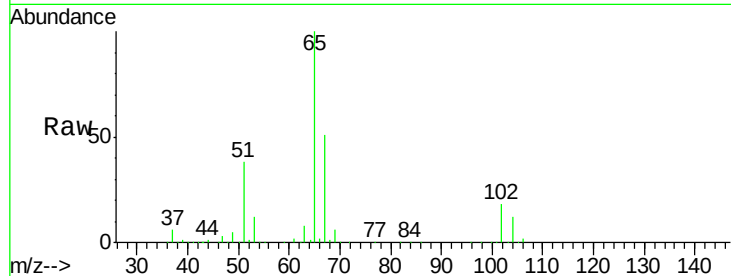
#33
 1,2-Dichloroethane-d4
 Concen: 50.67 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161741		
67	52.0	0.0	102.6	

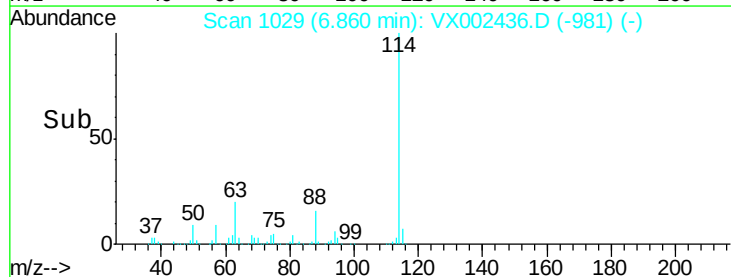
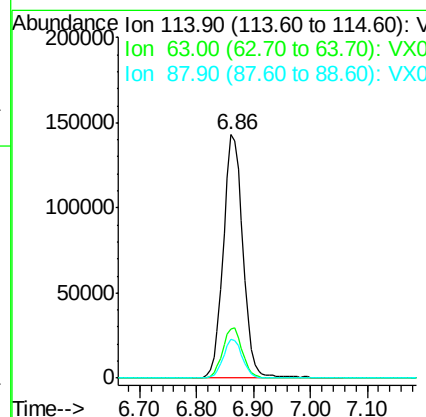
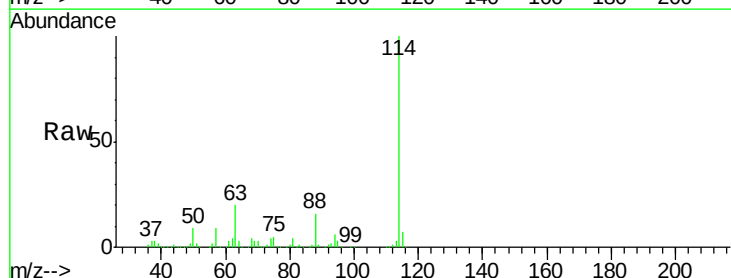
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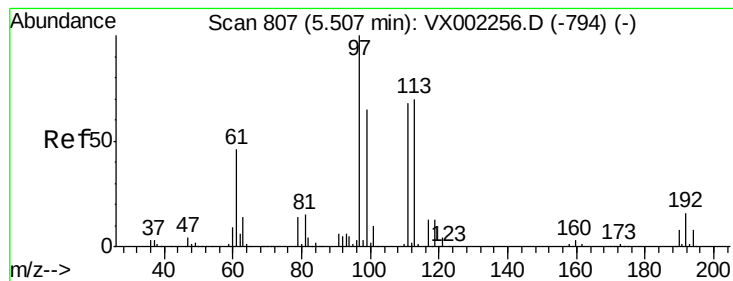
MMDadoda
 6/11/2018 5:07:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342823		
63	20.1	0.0	41.4	
88	15.8	0.0	30.0	





#35

Dibromofluoromethane

Concen: 46.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

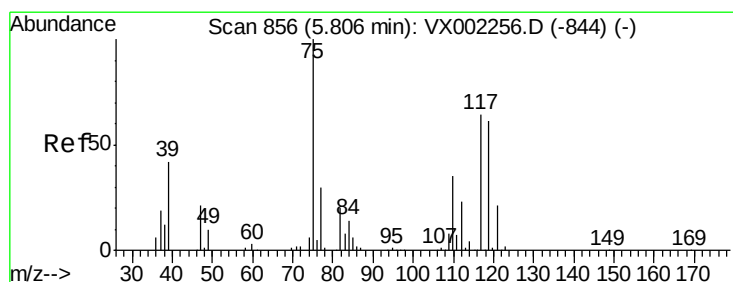
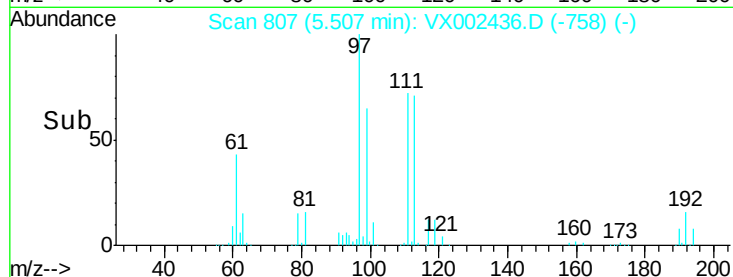
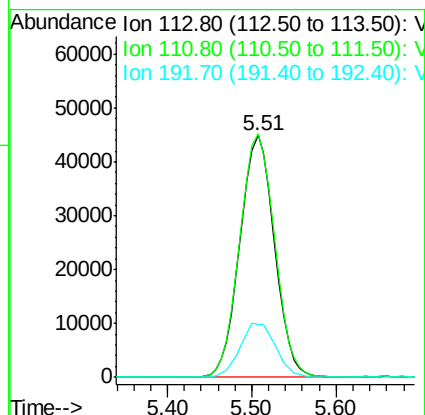
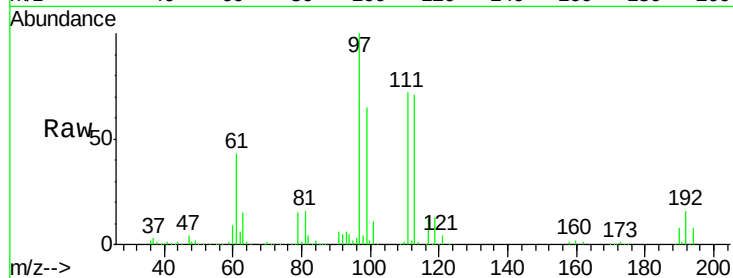
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	124702
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	23.1	19.1	28.7

Manual Integrations
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6/11/2018 5:07:00 PM



#36

1,1-Dichloropropene

Concen: 45.29 ug/l

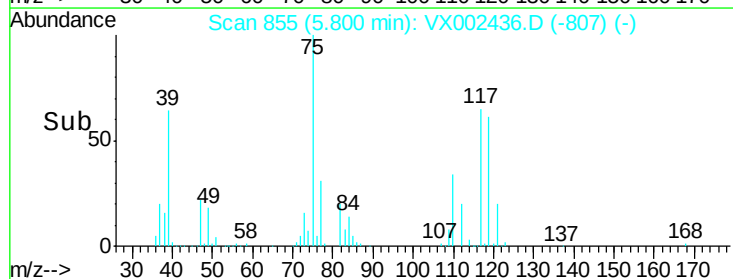
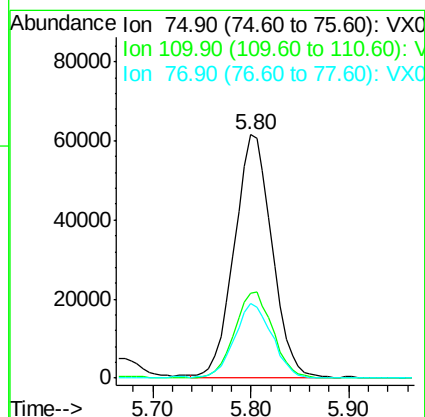
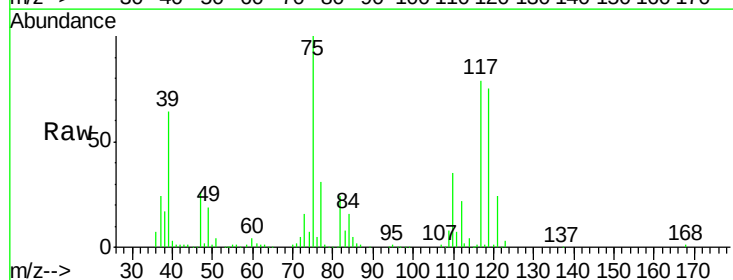
RT: 5.80 min Scan# 856

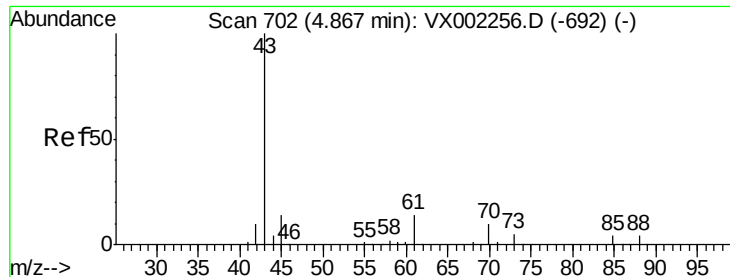
Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	75	Resp:	163226
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.4
77	30.7	24.3	36.5





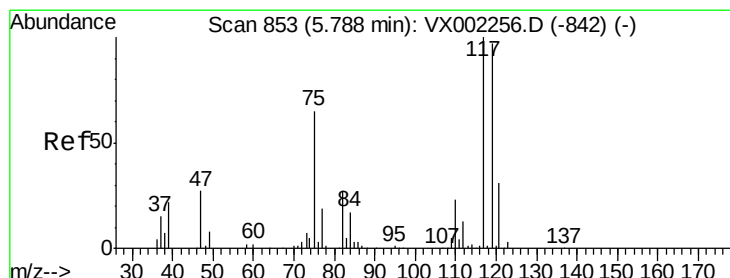
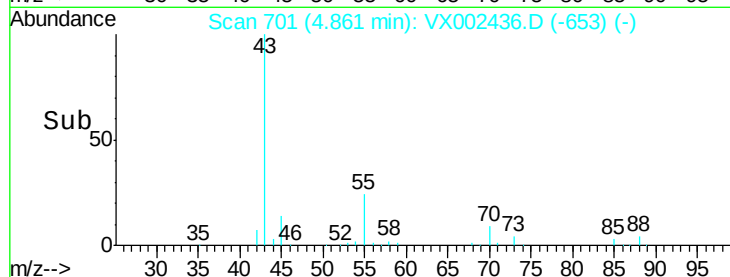
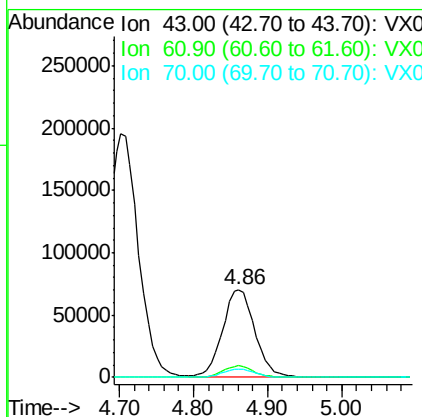
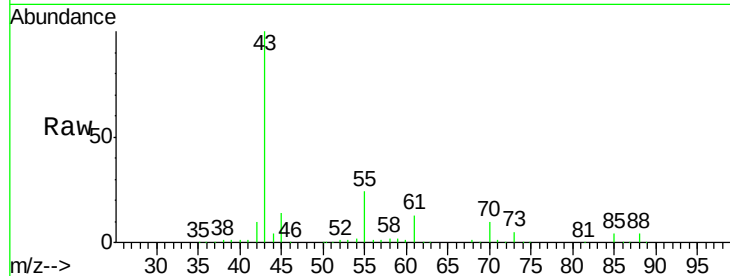
#37
Ethyl Acetate
Concen: 48.81 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.5	7.6	11.4

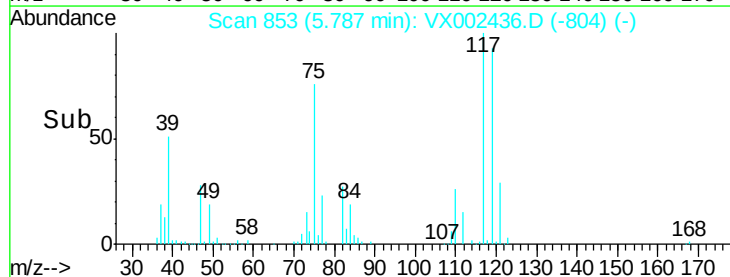
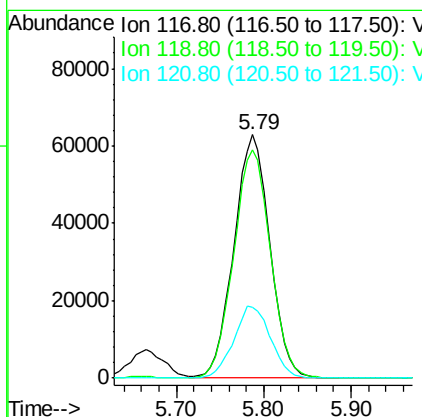
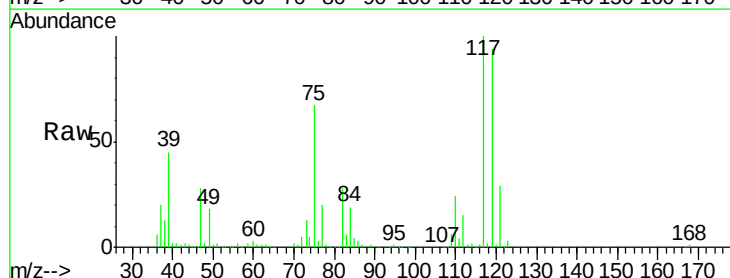
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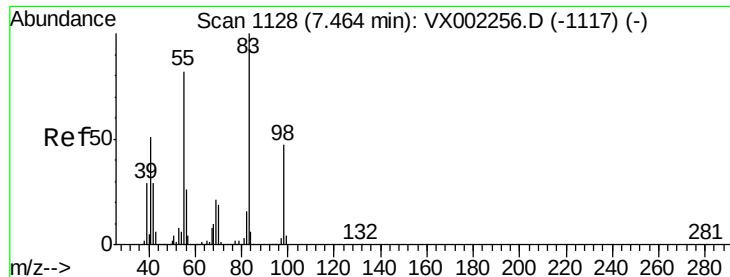
MMDadoda
6/11/2018 5:07:00 PM



#38
Carbon Tetrachloride
Concen: 47.61 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	29.3	24.4	36.6





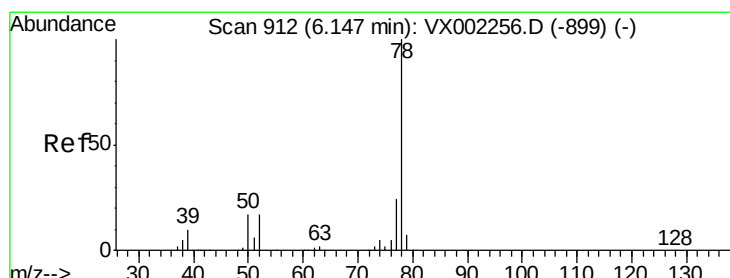
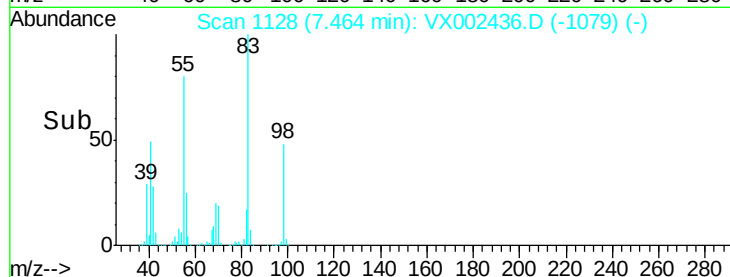
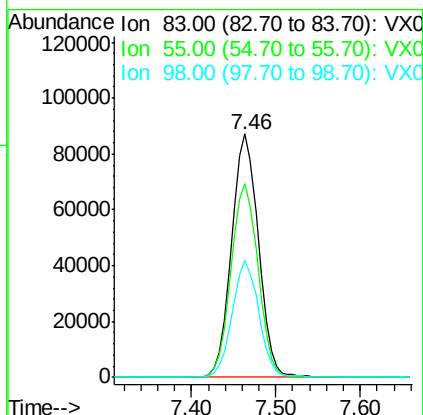
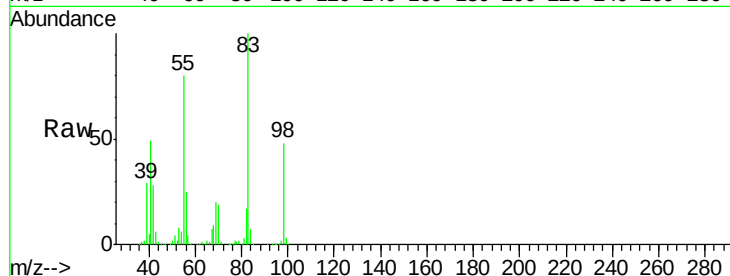
#39
Methylvlcyclohexane
Concen: 42.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	65.4	98.0
98	48.1	37.4	56.0

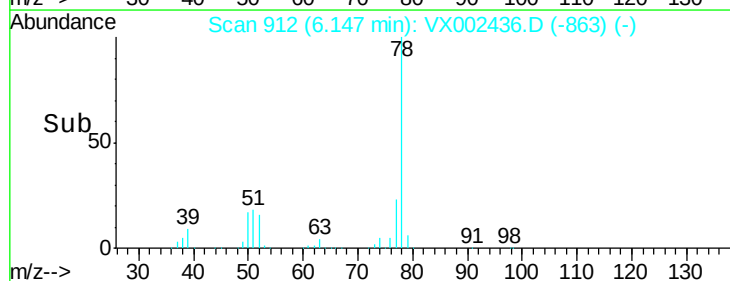
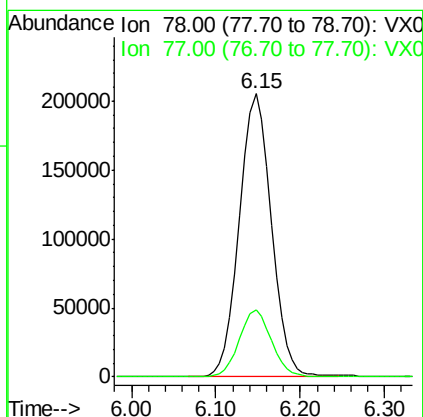
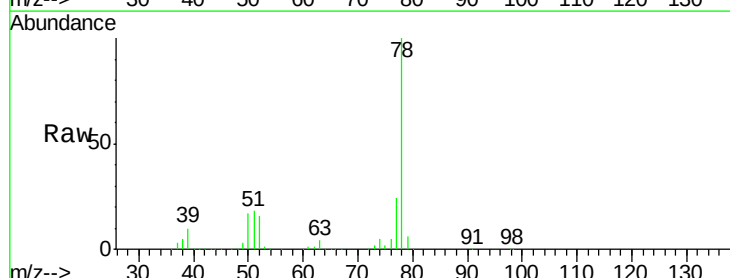
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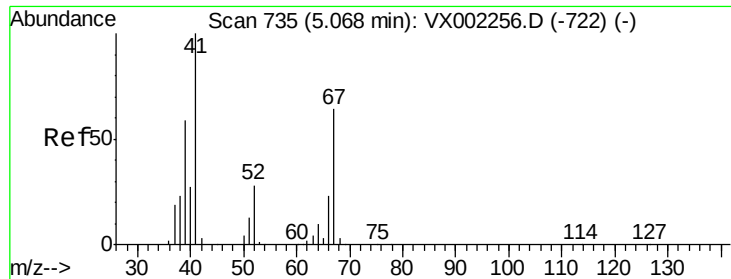
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6/11/2018 5:07:00 PM



#40
Benzene
Concen: 47.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





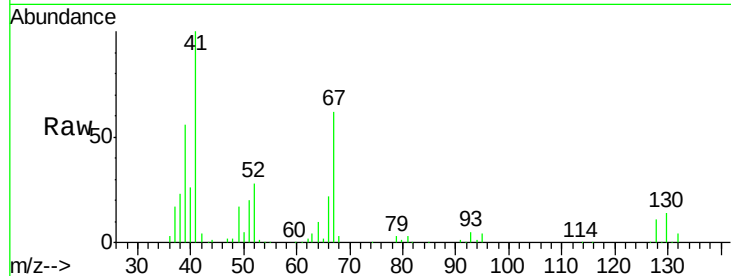
#41
Methacrylonitrile
Concen: 48.86 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

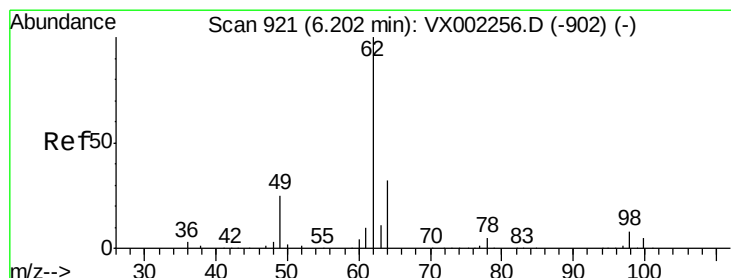
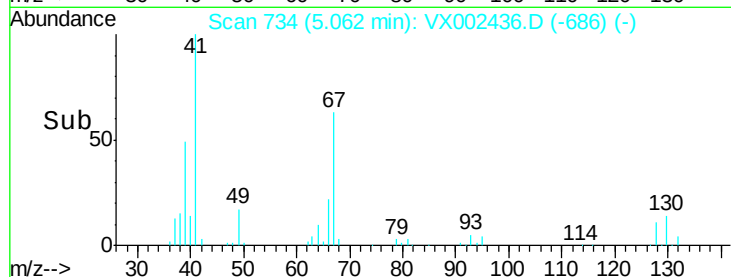
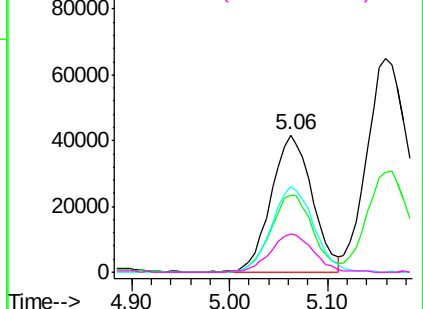
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		121225		
39	57.3	45.8	68.6		
67	64.5	51.3	76.9		
52	28.9	23.0	34.6		

Manual Integrations
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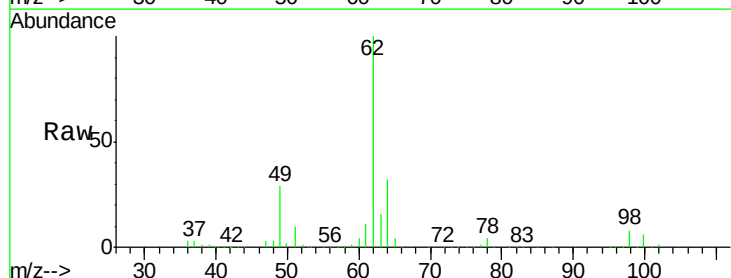


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

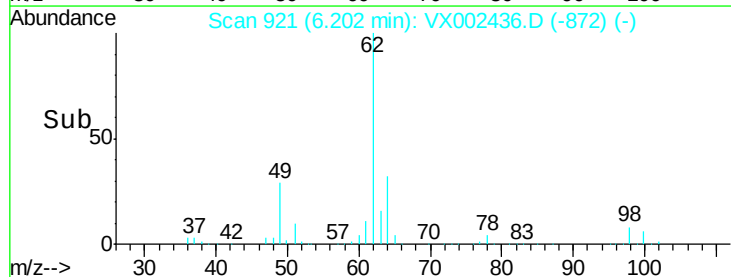
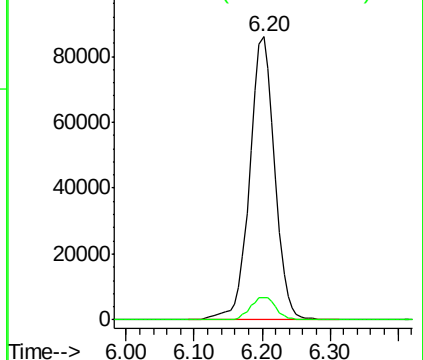


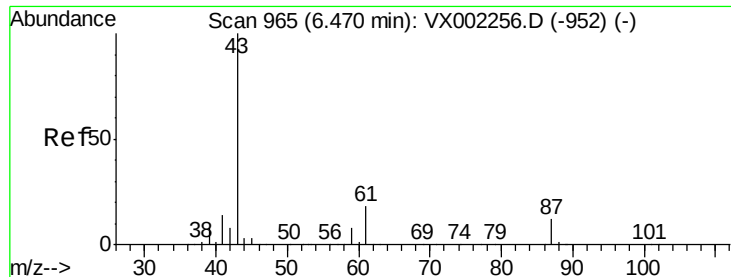
#42
1,2-Dichloroethane
Concen: 50.20 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		220411		
98	8.3	0.0	16.6		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.04 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

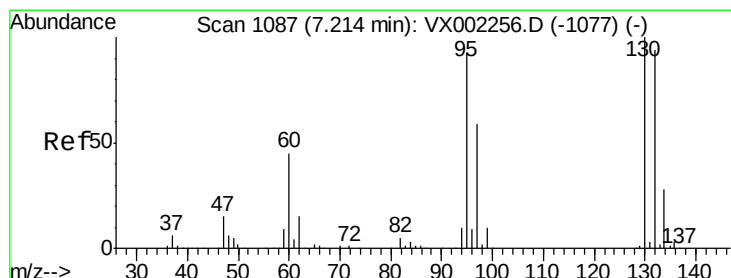
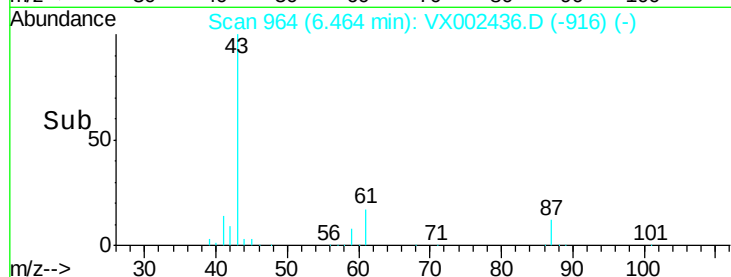
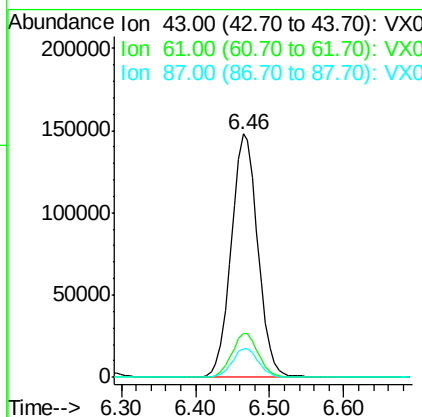
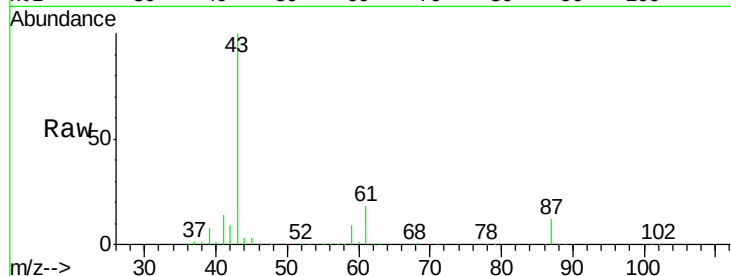
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	368394
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 48.38 ug/l

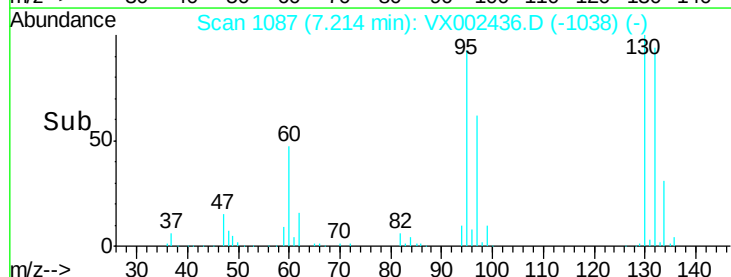
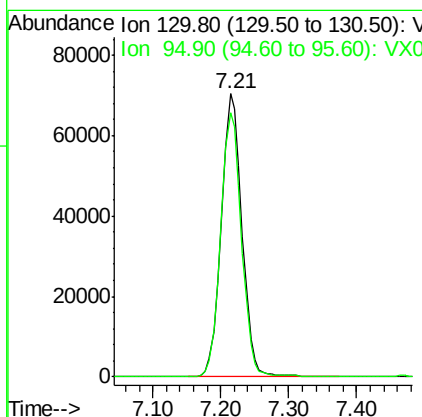
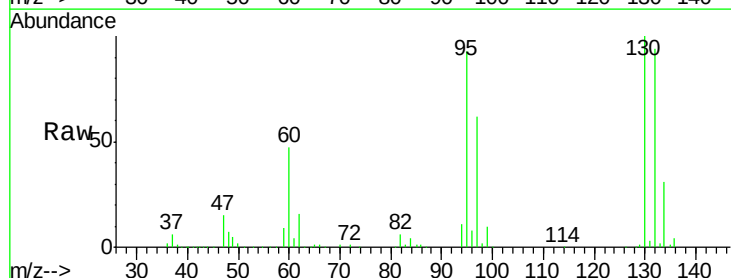
RT: 7.21 min Scan# 1087

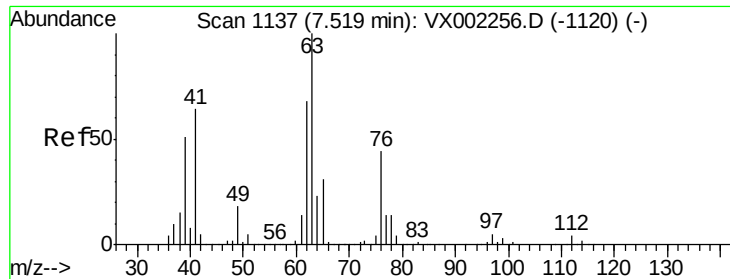
Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	130	Resp:	148365
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.4





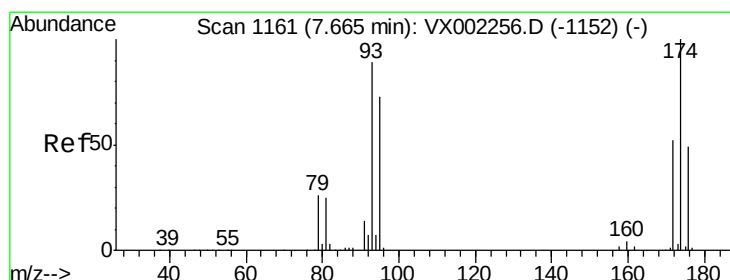
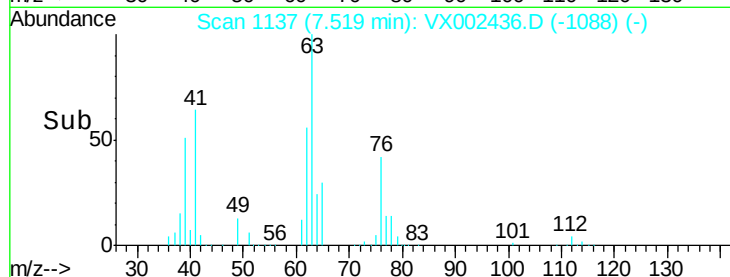
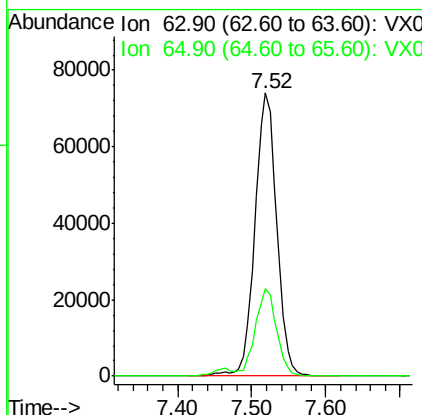
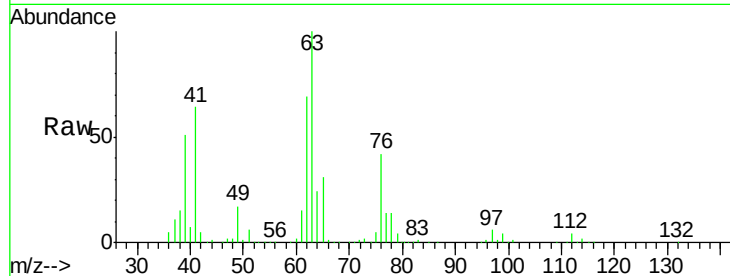
#45
 1,2-Dichloropropane
 Concen: 51.11 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 152487
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

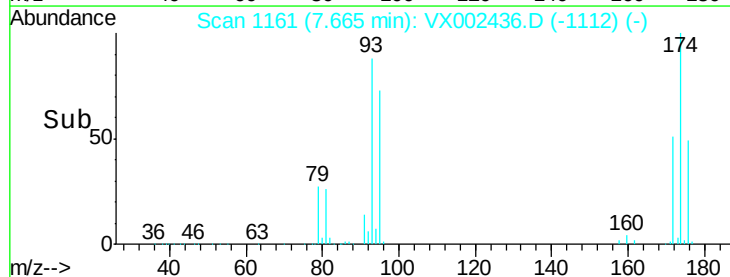
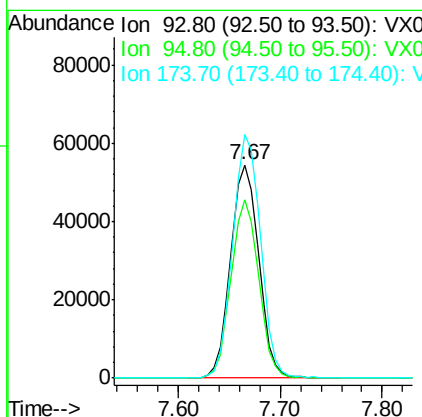
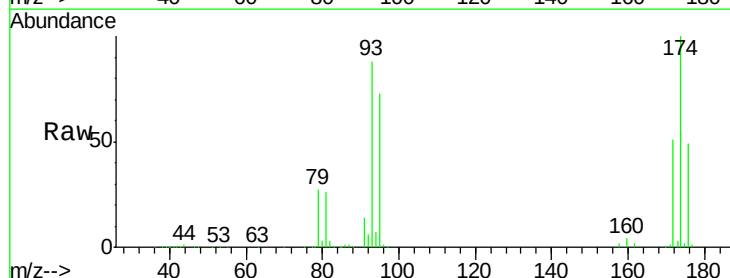
Manual Integrations
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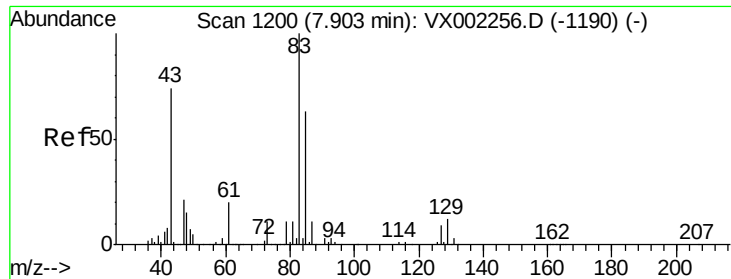
MMDadoda
 6/11/2018 5:07:00 PM



#46
 Dibromomethane
 Concen: 51.38 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion: 93 Resp: 103907
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 113.4 92.4 138.6





#47

Bromodichloromethane

Concen: 53.64 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

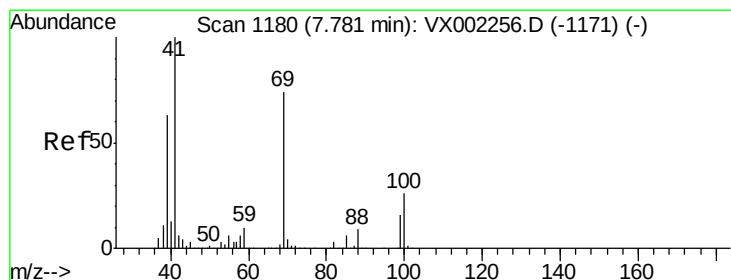
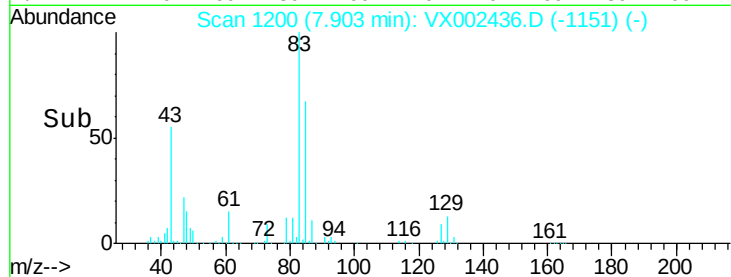
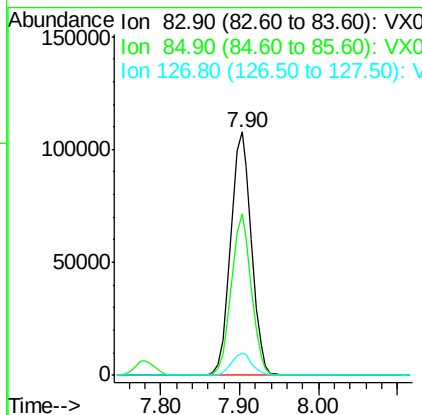
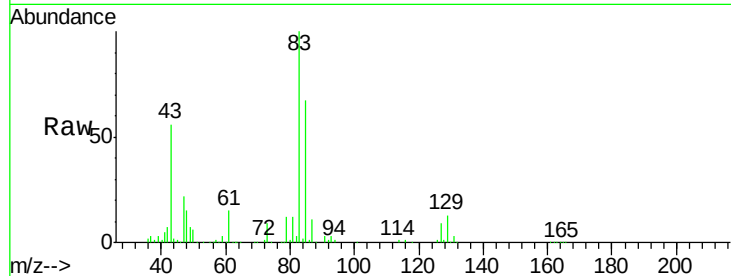
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	196189
Ion Ratio	Lower	Upper	
83	100		
85	66.6	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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MMDadoda
6/11/2018 5:07:00 PM



#48

Methyl methacrylate

Concen: 50.65 ug/l

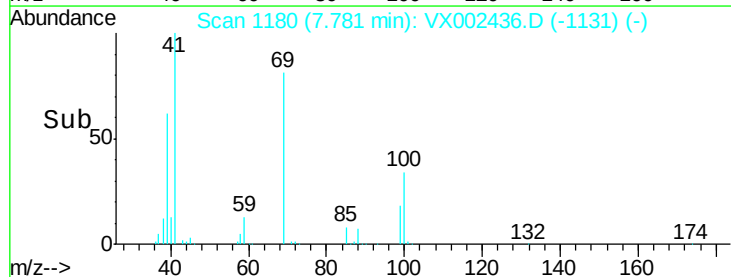
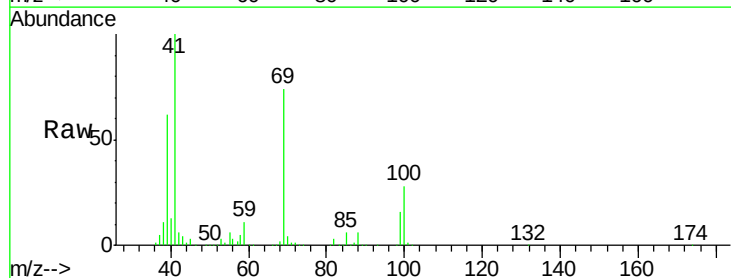
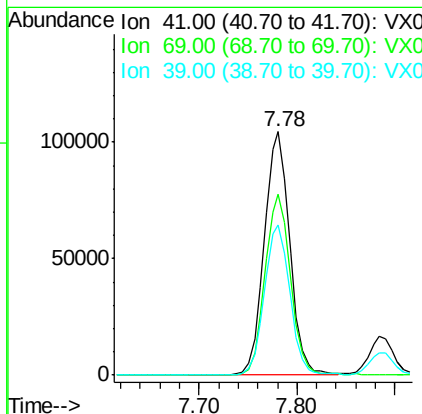
RT: 7.78 min Scan# 1180

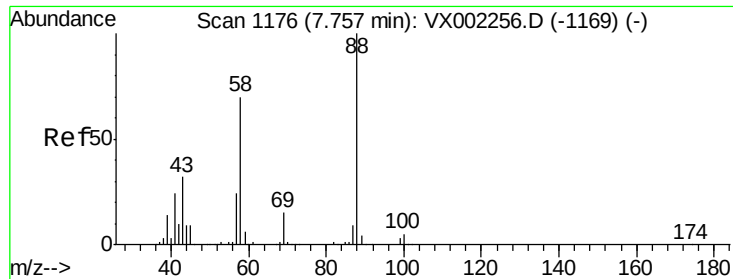
Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	41	Resp:	187313
Ion Ratio	Lower	Upper	
41	100		
69	75.0	59.1	88.7
39	61.8	48.9	73.3





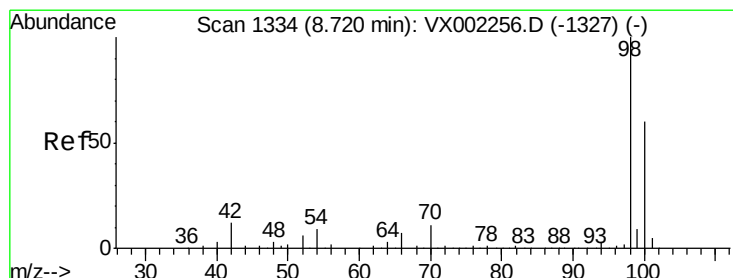
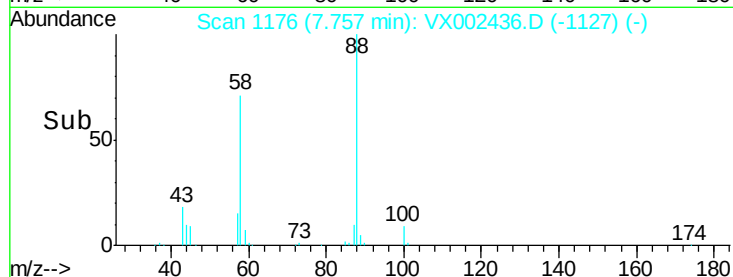
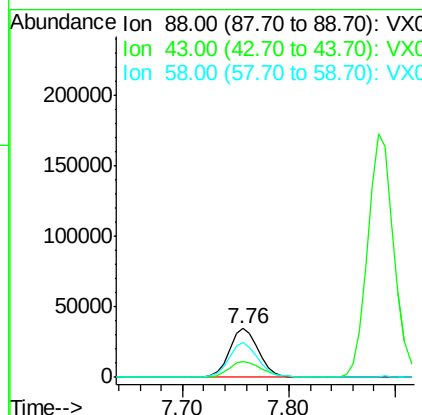
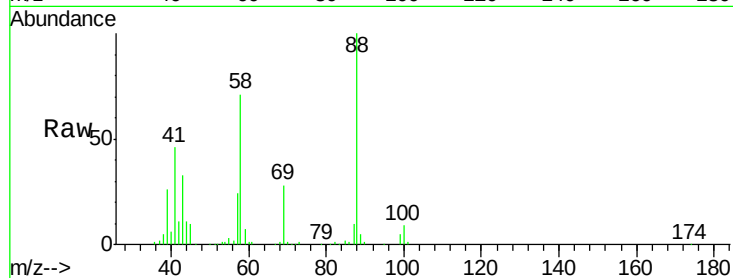
#49
1,4-Dioxane
Concen: 955.14 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.6
58	70.5	57.1	85.7

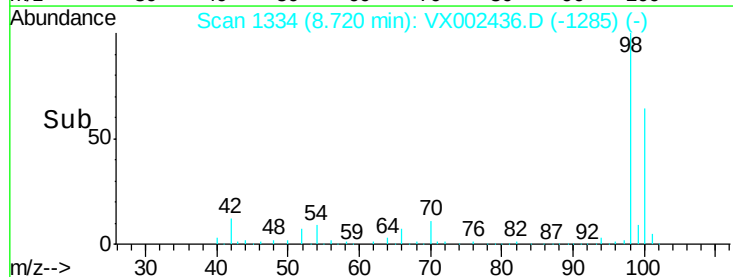
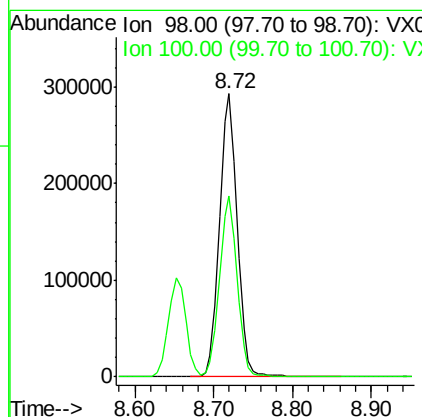
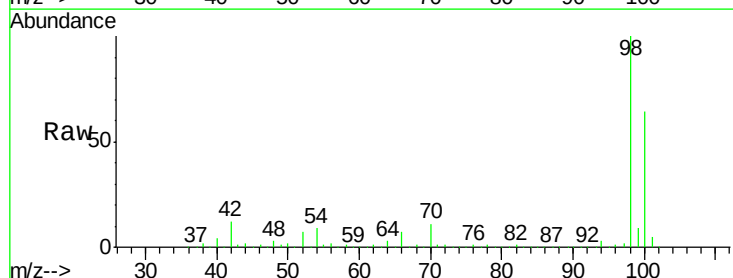
Manual Integrations
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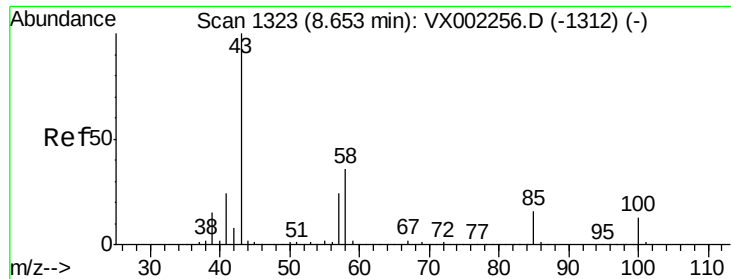
MMDadoda
6/11/2018 5:07:00 PM



#50
Toluene-d8
Concen: 44.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 251.54 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1153204

Ion Ratio Lower Upper

43 100

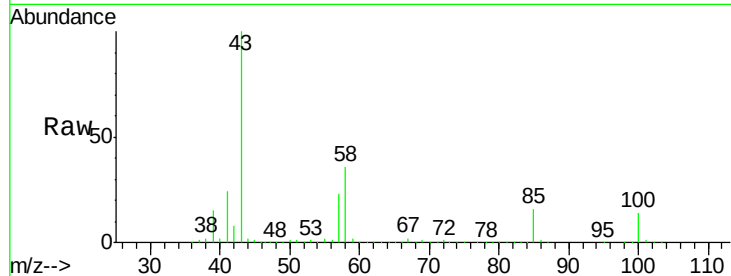
58 36.0 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

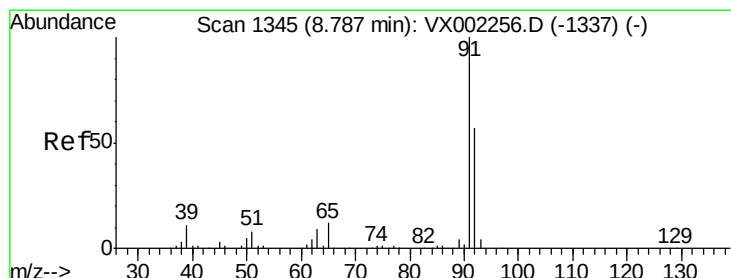
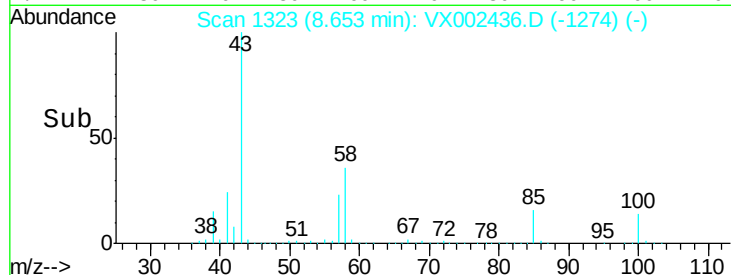
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 49.80 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002436.D

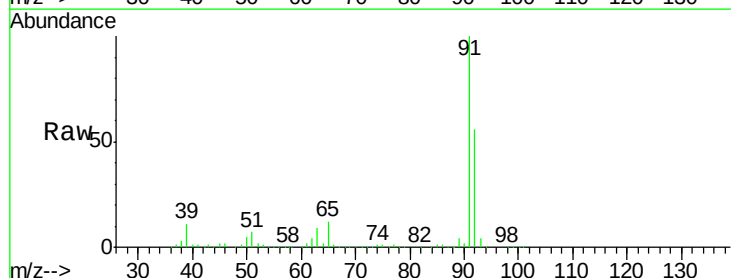
Acq: 11 Jun 2018 10:57

Tgt Ion: 92 Resp: 349997

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

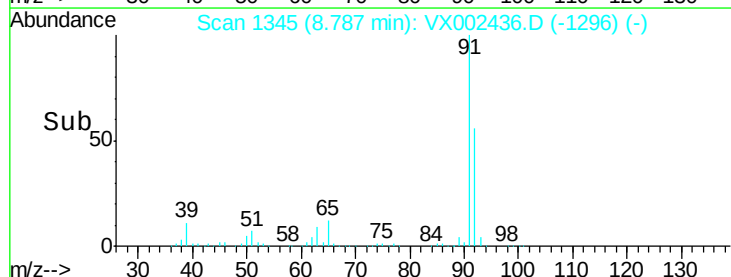
200000

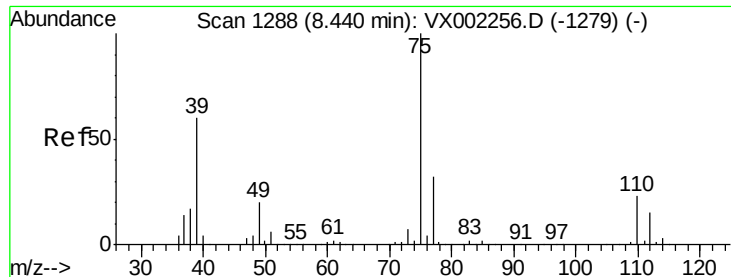
100000

0

8.70 8.75 8.80 8.85 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.94 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tot Ion: 75 Resp: 236613

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

Instrument :

MSVOA_X

ClientSampled :

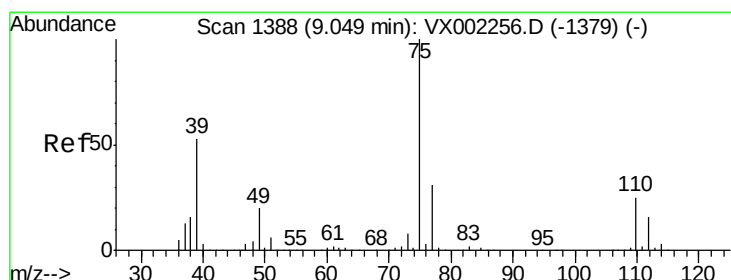
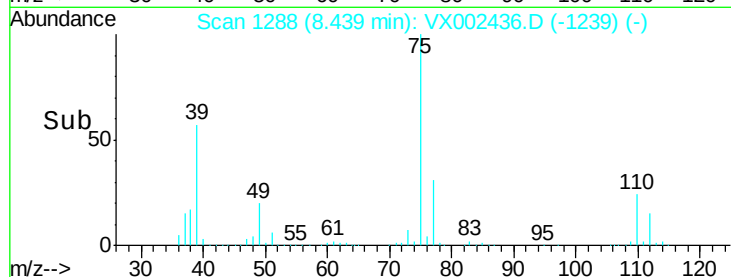
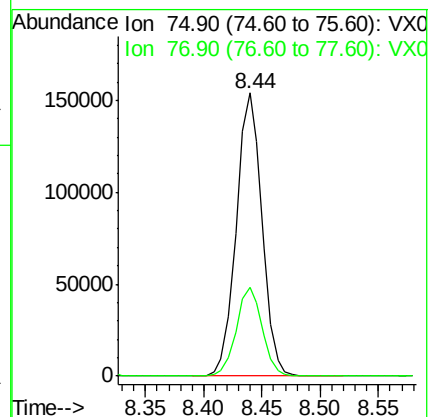
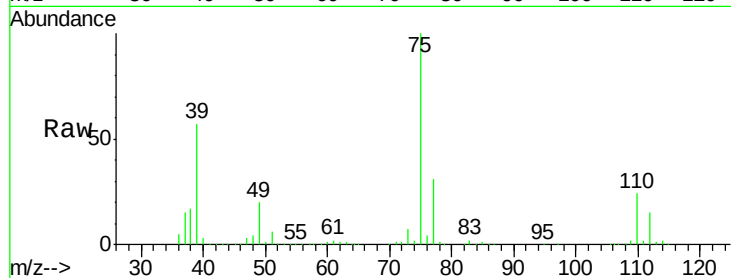
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.76 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

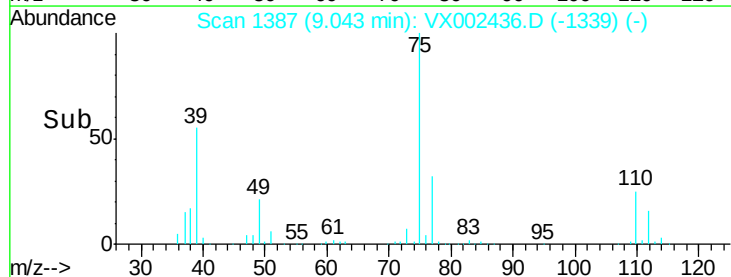
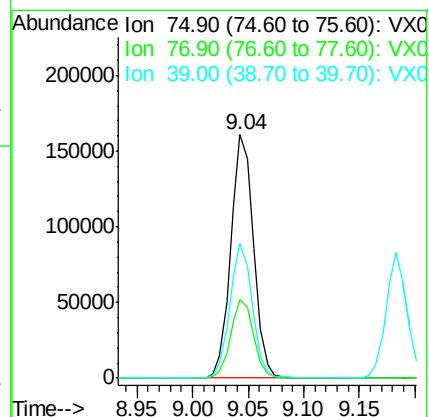
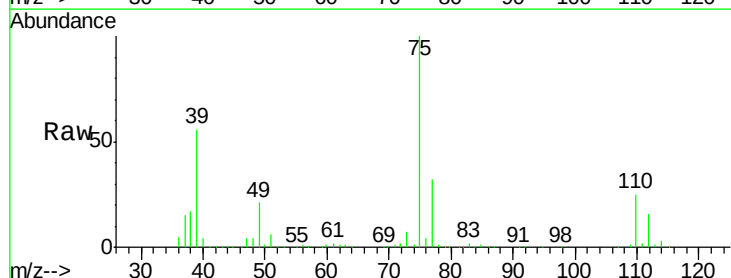
Tgt Ion: 75 Resp: 226616

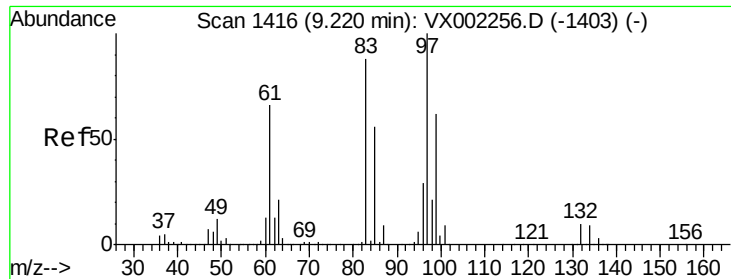
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 55.4 42.4 63.6





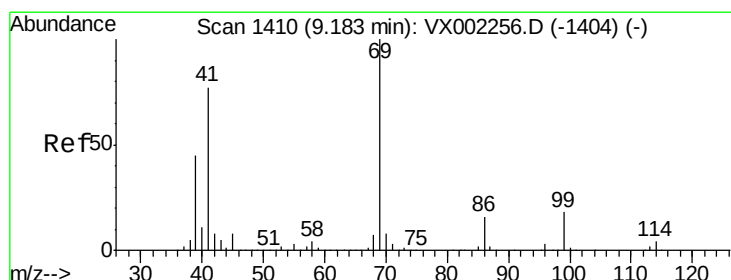
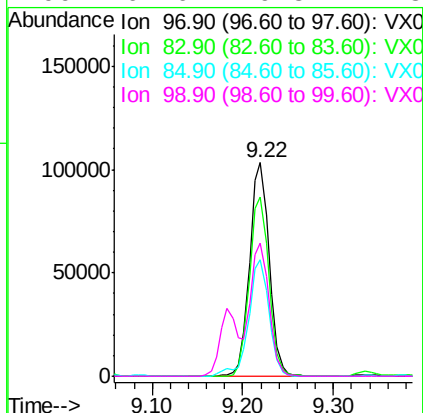
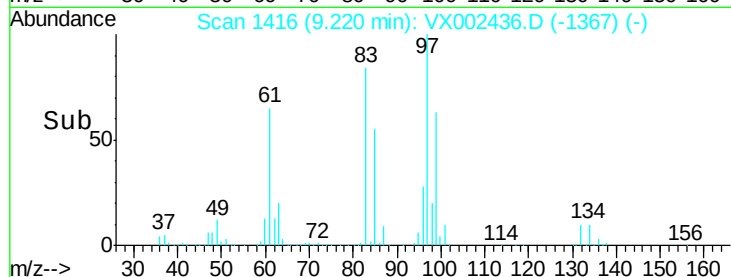
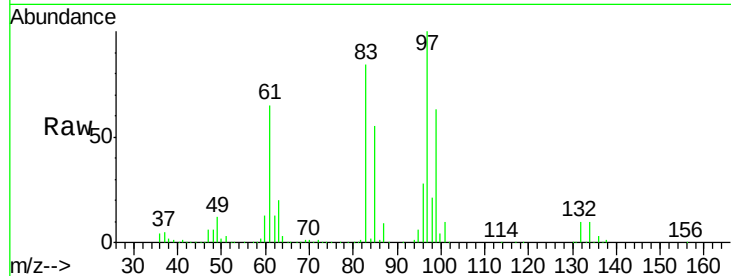
#55
 1,1,2-Trichloroethane
 Concen: 53.52 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	154725
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	54.8	44.9	67.3
99	62.6	49.8	74.8

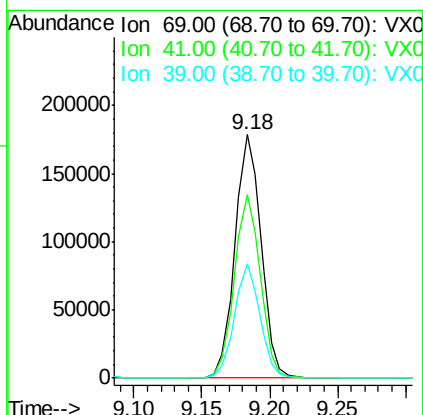
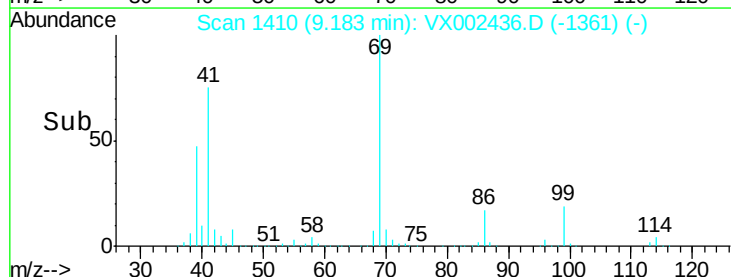
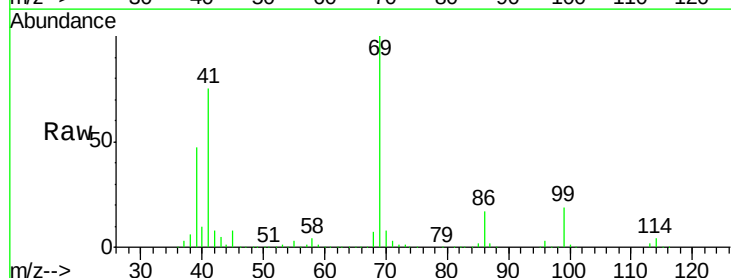
Manual Integrations
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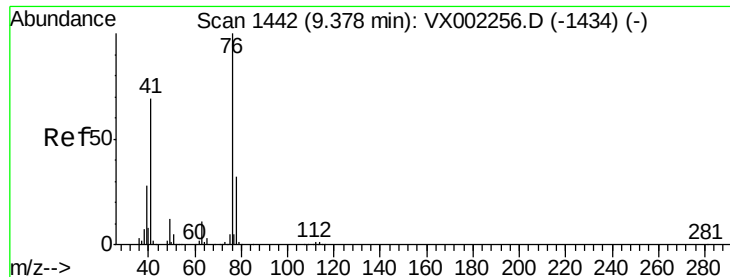
MMDadoda
 6/11/2018 5:07:00 PM



#56
 Ethyl methacrylate
 Concen: 51.76 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion:	69	Resp:	238895
Ion	Ratio	Lower	Upper
69	100		
41	74.8	60.3	90.5
39	45.7	35.8	53.8





#57

1,3-Dichloropropane

Concen: 52.39 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 254084

Ion Ratio Lower Upper

76 100

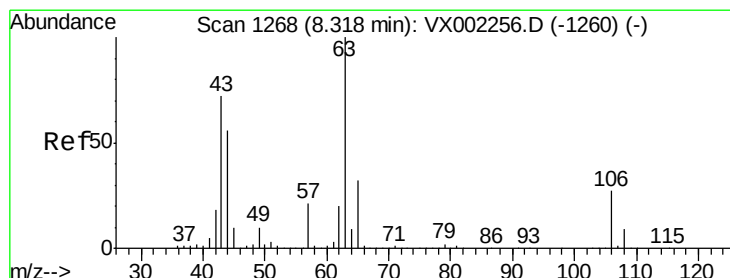
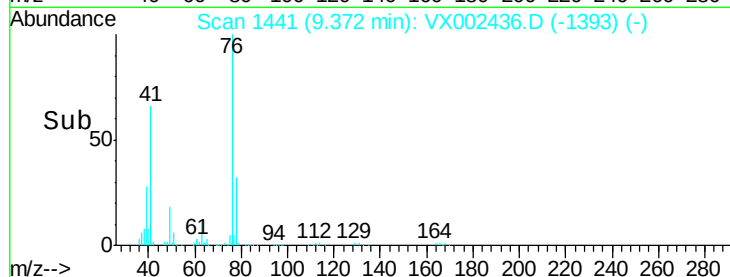
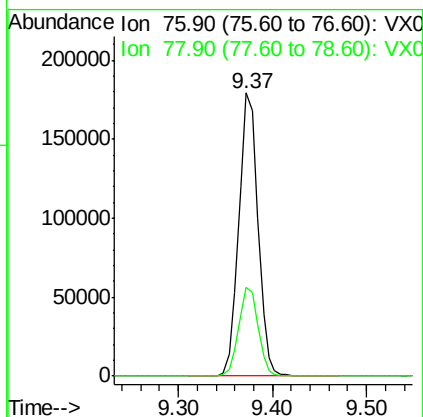
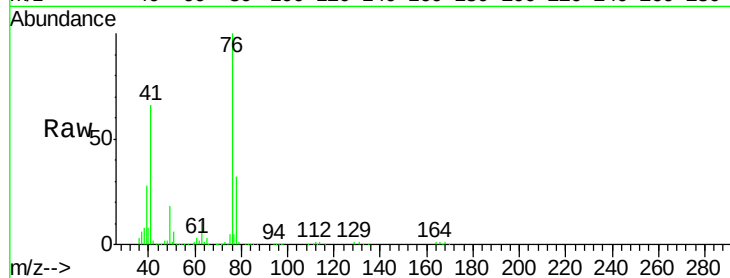
78 32.0 25.8 38.6

Manual Integrations

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6/11/2018 5:07:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 289.83 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002436.D

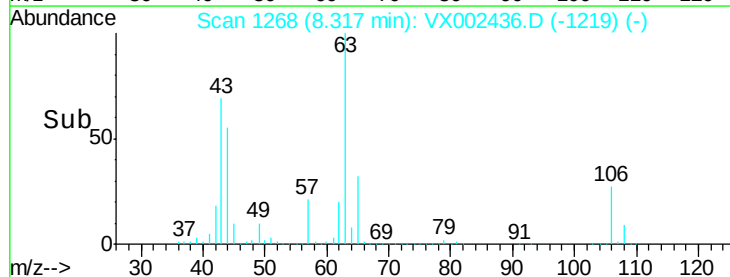
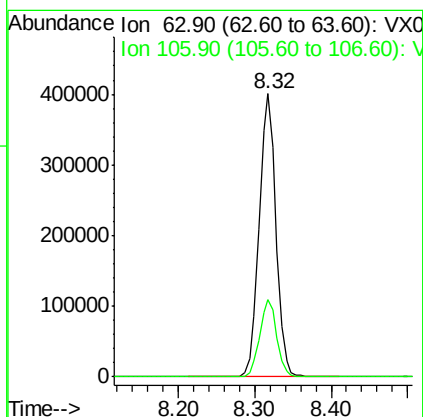
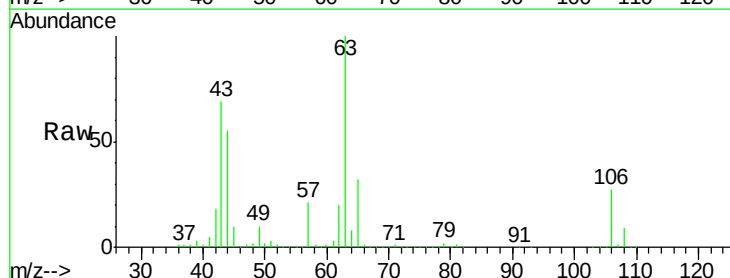
Acq: 11 Jun 2018 10:57

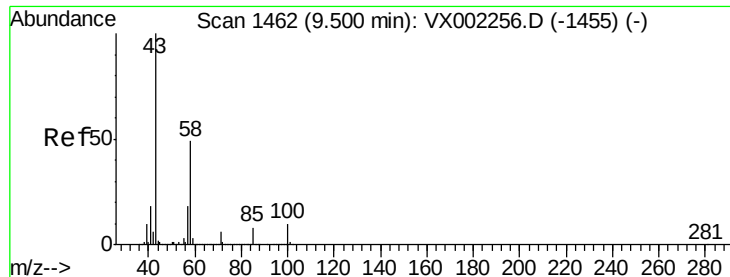
Tgt Ion: 63 Resp: 619097

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.8





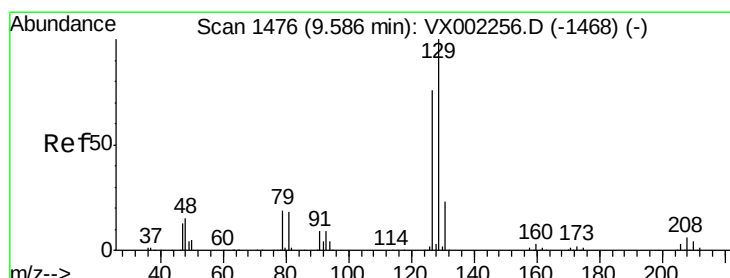
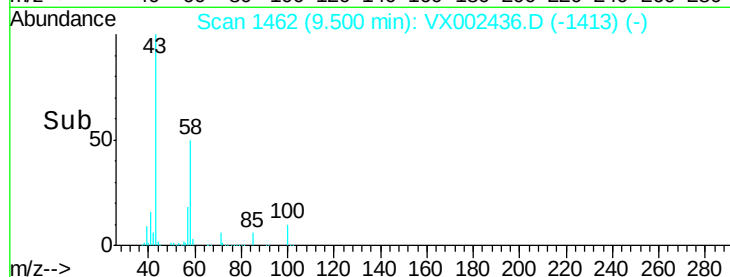
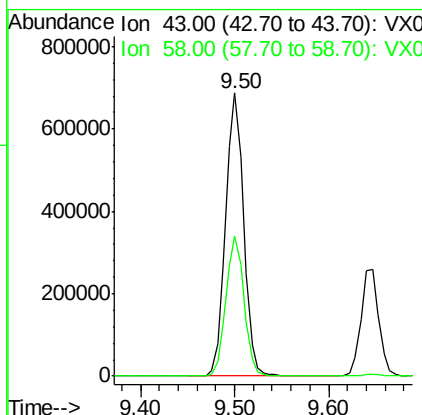
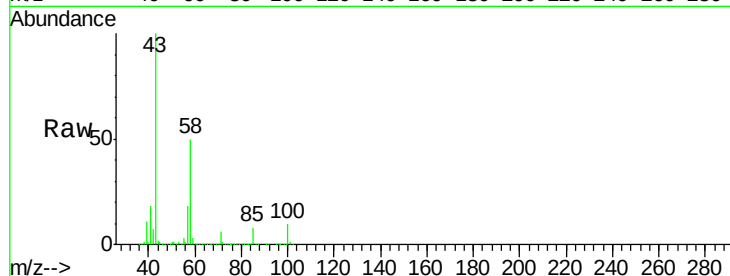
#59
2-Hexanone
Concen: 258.61 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.6	73.6

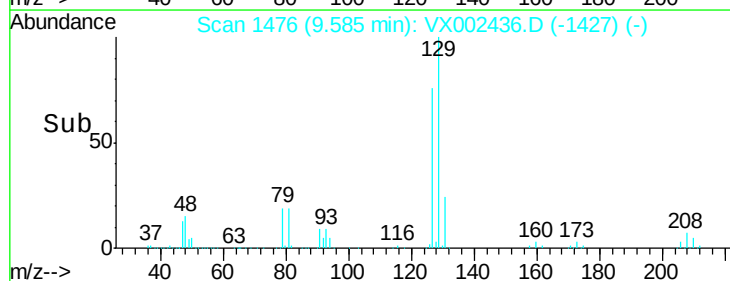
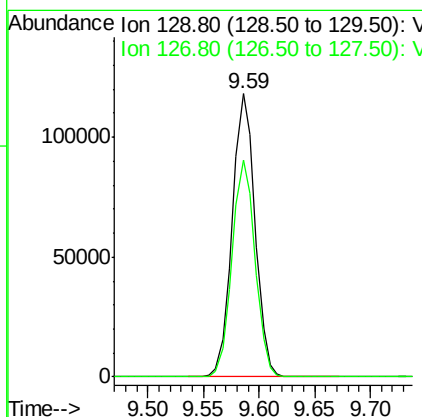
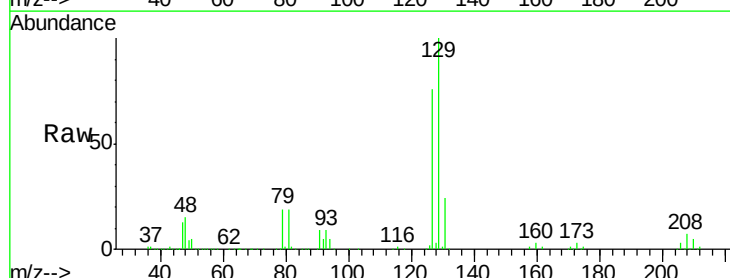
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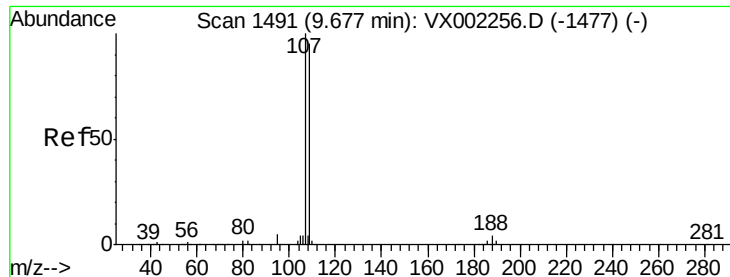
MMDadoda
6/11/2018 5:07:00 PM



#60
Dibromochloromethane
Concen: 57.63 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.3





#61

1,2-Dibromoethane

Concen: 53.88 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:107 Resp: 162397

Ion Ratio Lower Upper

107 100

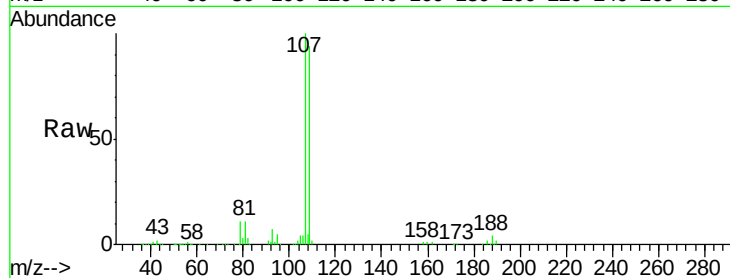
109 94.0 75.3 112.9

Manual Integrations

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MMDadoda

6/11/2018 5:07:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

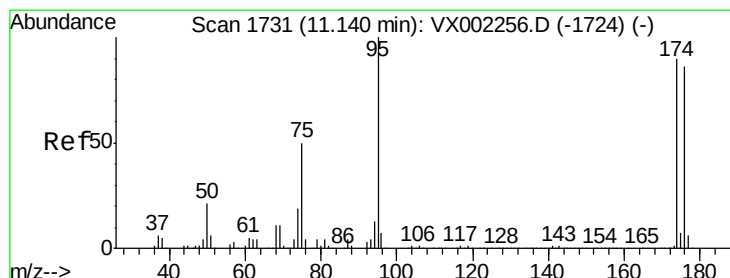
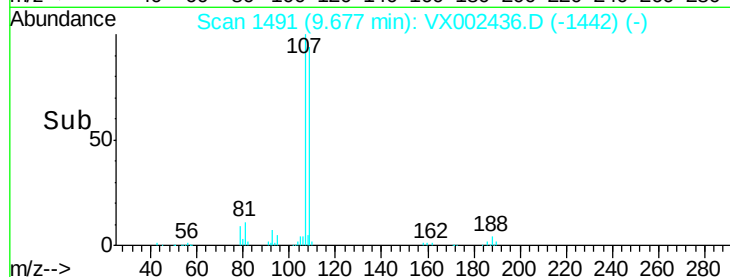
9.68

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

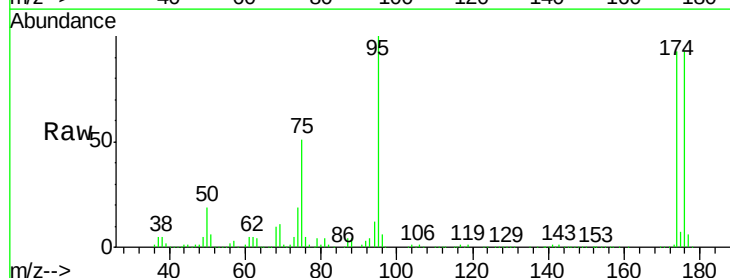
Tgt Ion: 95 Resp: 188401

Ion Ratio Lower Upper

95 100

174 95.3 0.0 187.4

176 94.1 0.0 181.0



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

200000

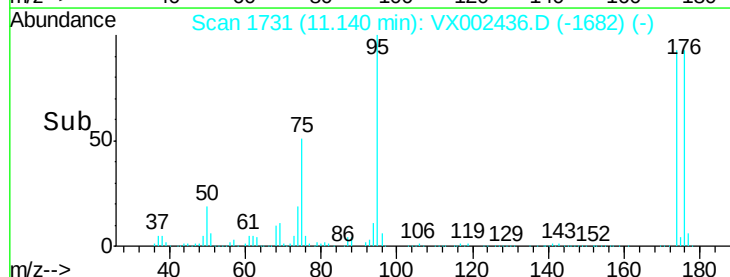
150000

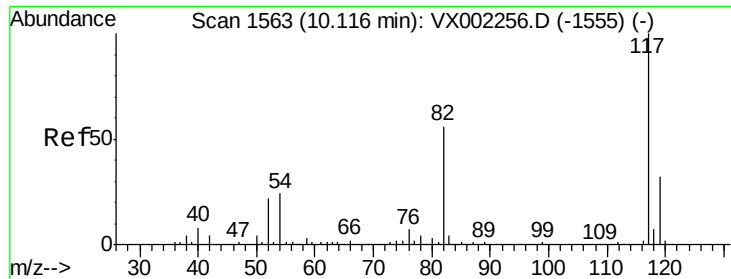
100000

50000

0

Time-->





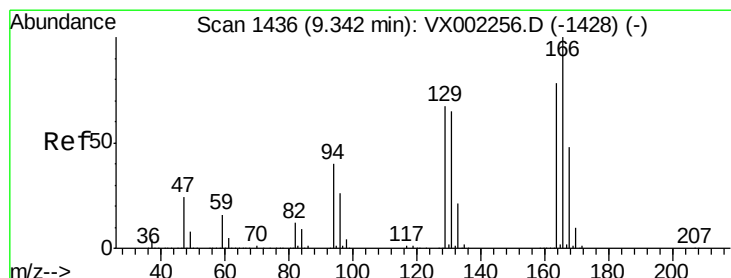
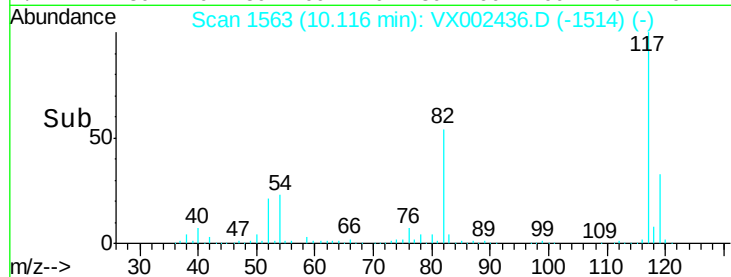
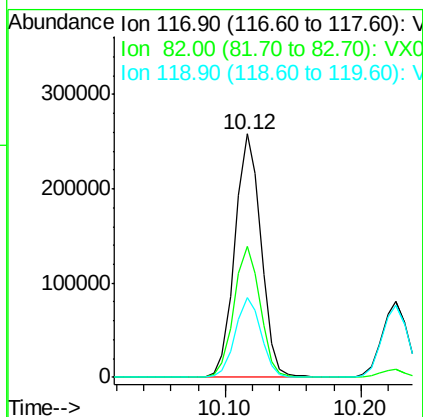
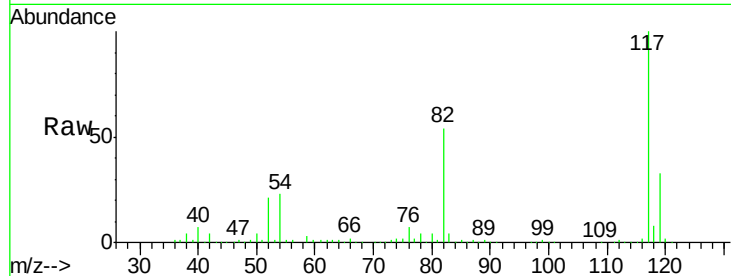
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.0	67.4
119	32.6	25.8	38.6

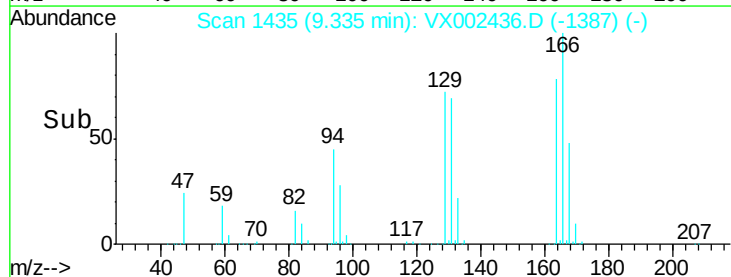
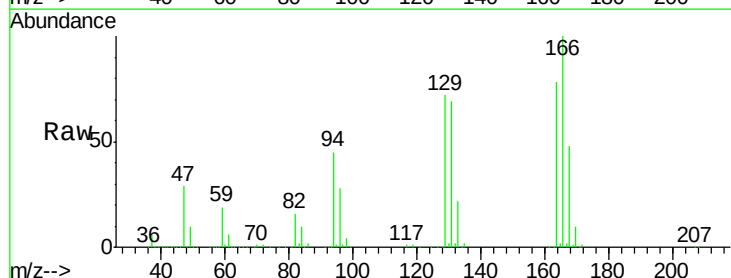
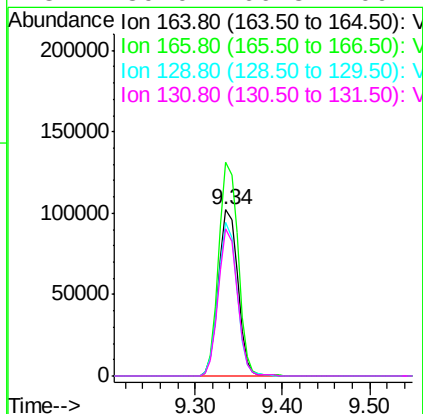
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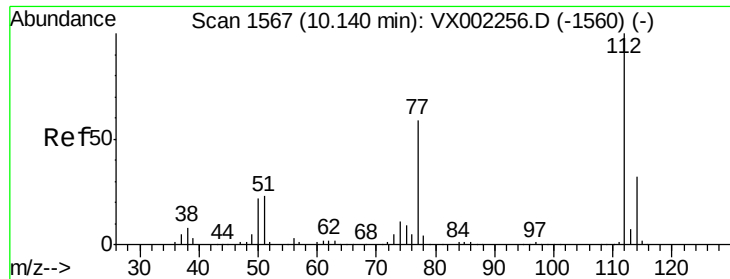
MMDadoda
6/11/2018 5:07:00 PM



#64
Tetrachloroethene
Concen: 43.83 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.9	154.3
129	92.4	68.6	102.8
131	89.0	66.8	100.2





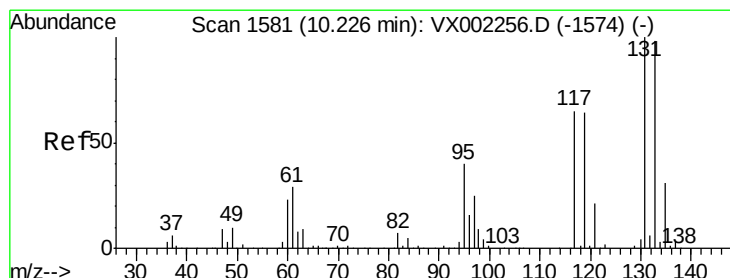
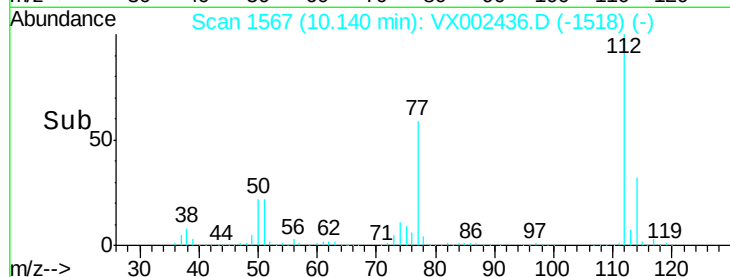
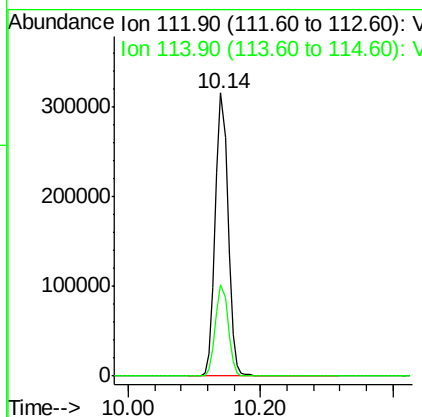
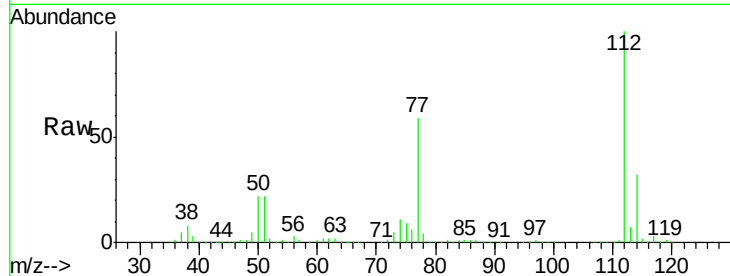
#65
Chlorobenzene
Concen: 48.71 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 418710
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

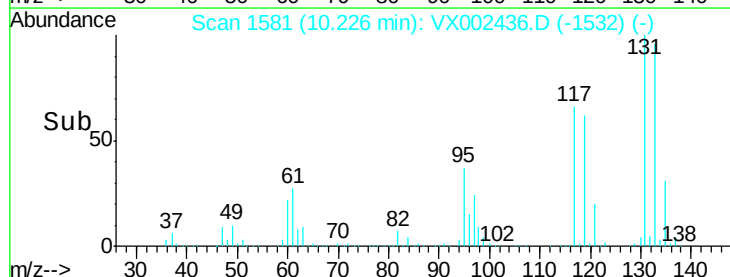
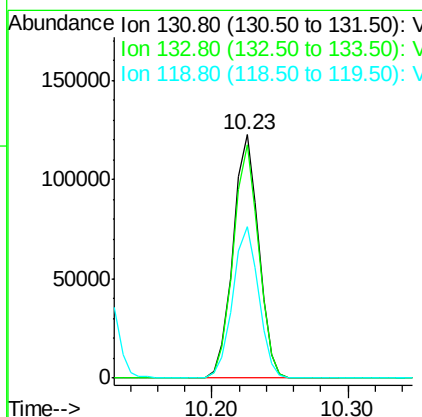
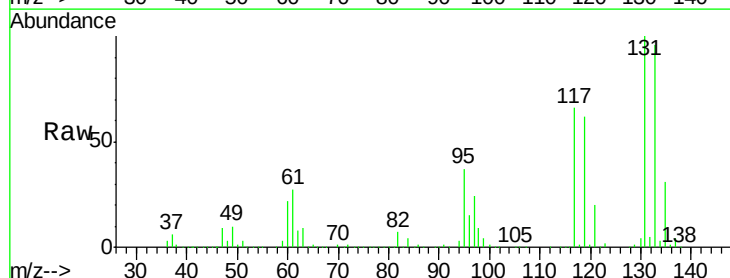
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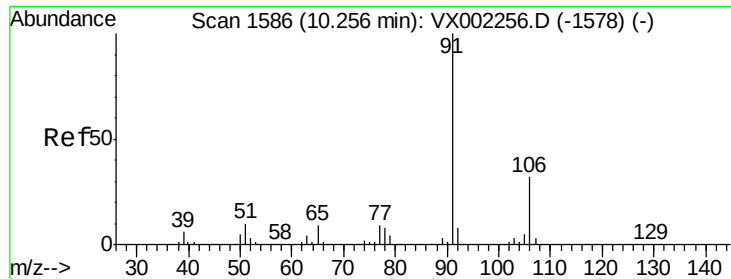
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.55 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion:131 Resp: 160439
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 63.1 31.8 95.3





#67

Ethyl Benzene

Concen: 48.52 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 697894

Ion Ratio Lower Upper

91 100

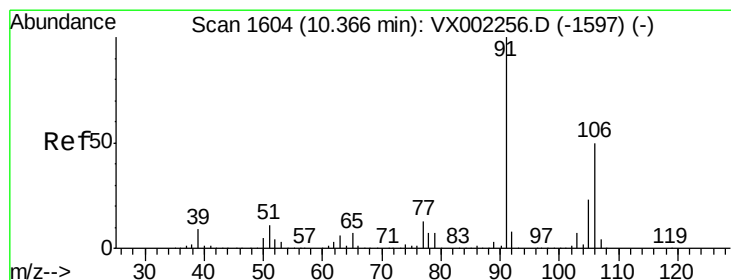
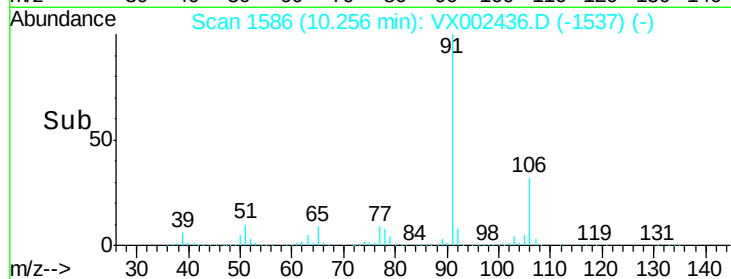
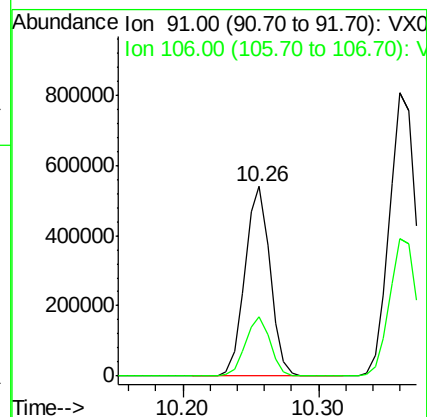
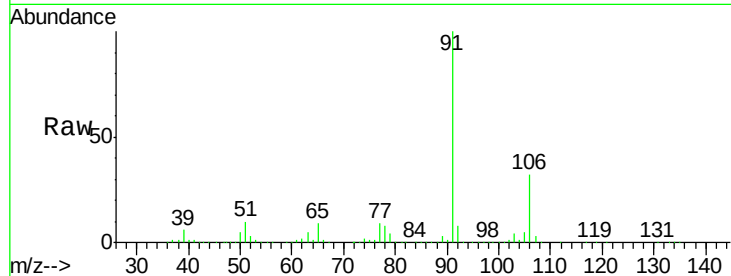
106 31.6 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.41 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002436.D

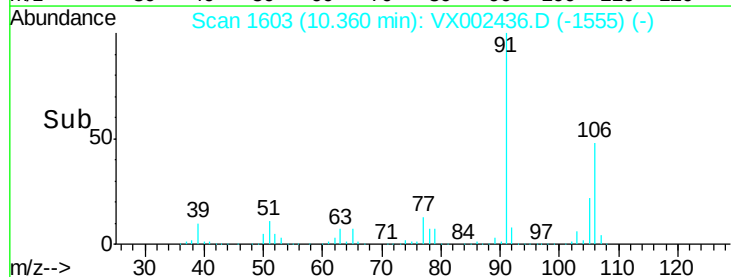
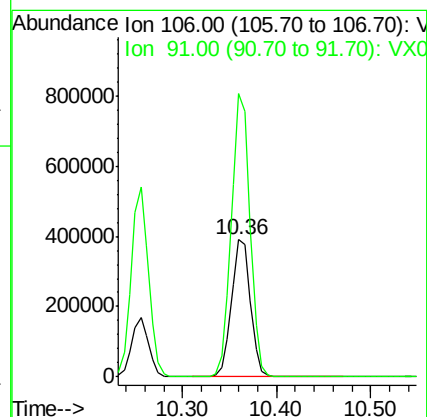
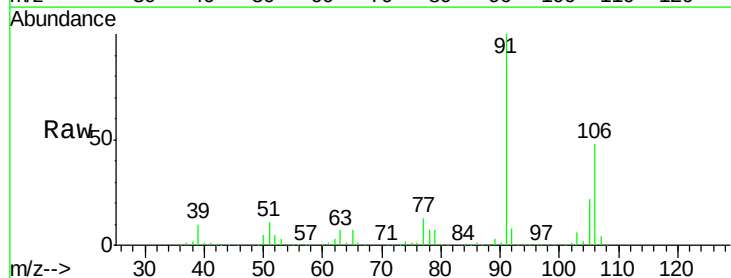
Acq: 11 Jun 2018 10:57

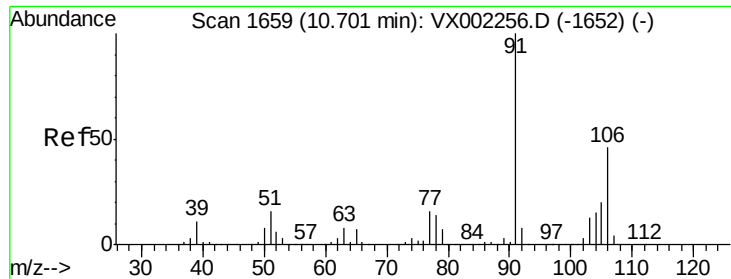
Tgt Ion: 106 Resp: 544708

Ion Ratio Lower Upper

106 100

91 203.6 163.4 245.2





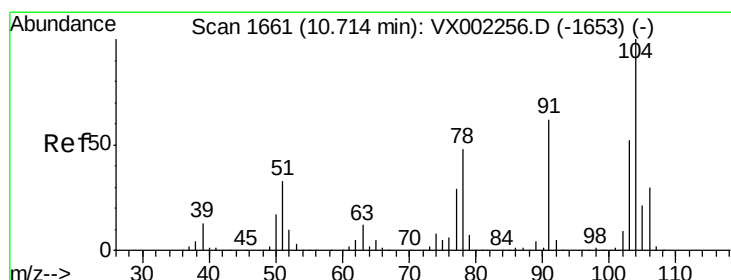
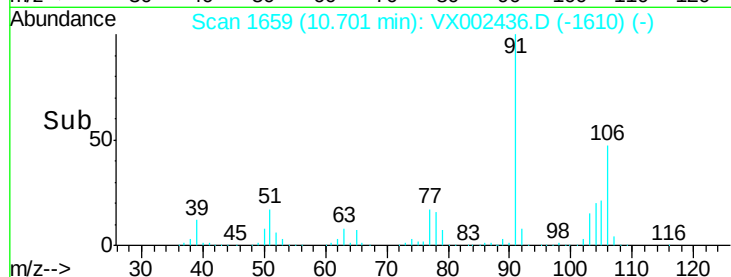
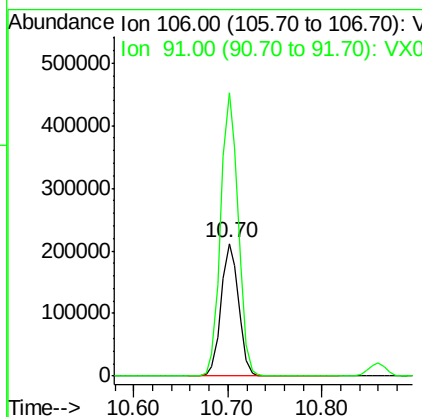
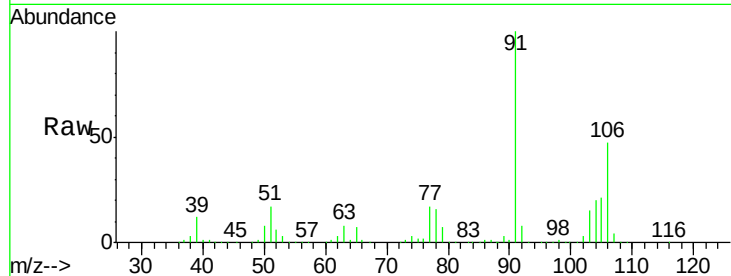
#69
o-Xylene
Concen: 48.91 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 272139
Ion Ratio Lower Upper
106 100
91 214.3 108.2 324.6

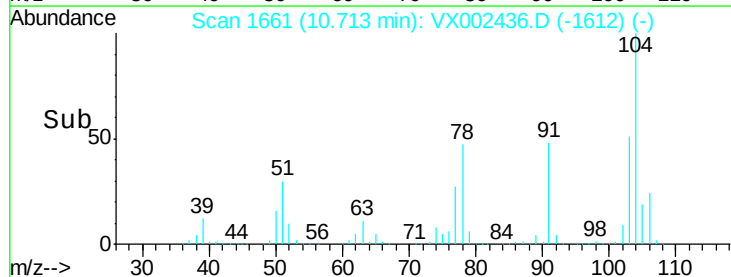
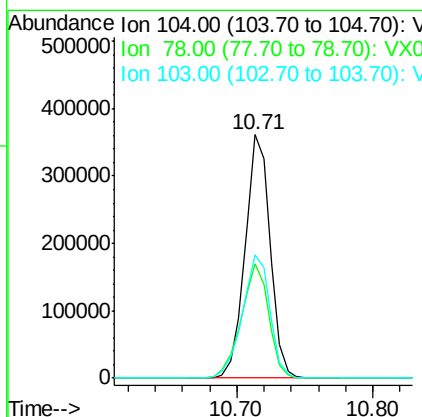
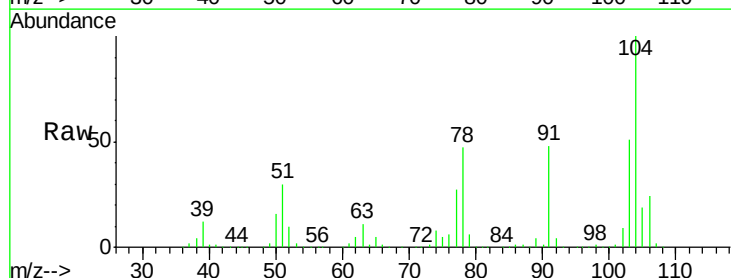
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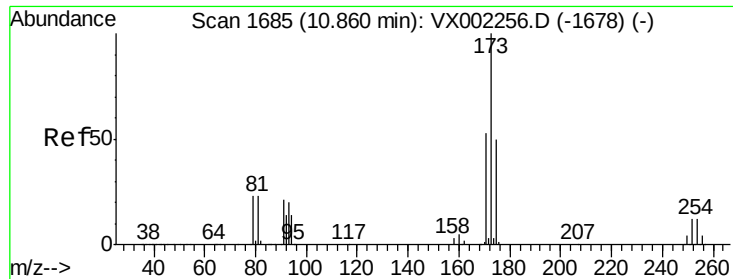
MMDadoda
6/11/2018 5:07:00 PM



#70
Styrene
Concen: 51.10 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion:104 Resp: 464865
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 48.03 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 133467

Ion Ratio Lower Upper

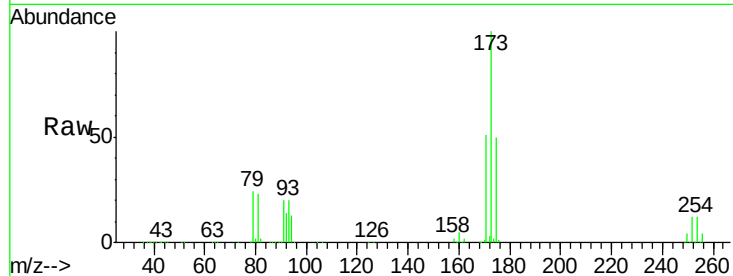
173 100

175 49.1 24.7 74.1

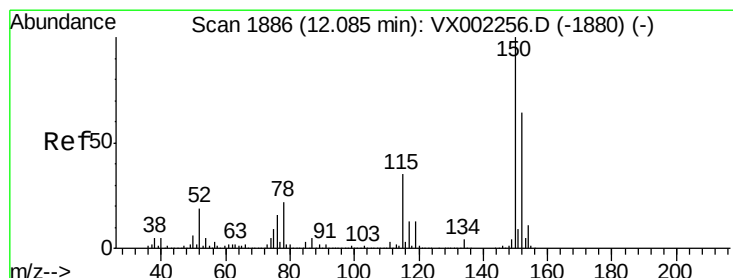
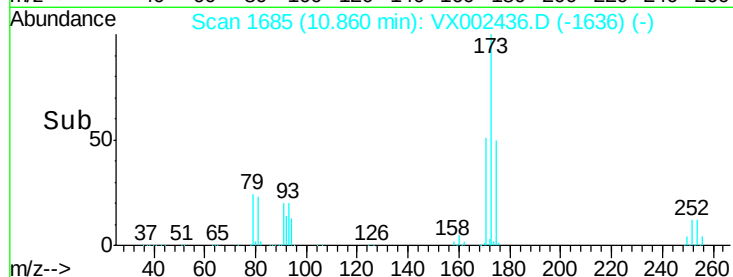
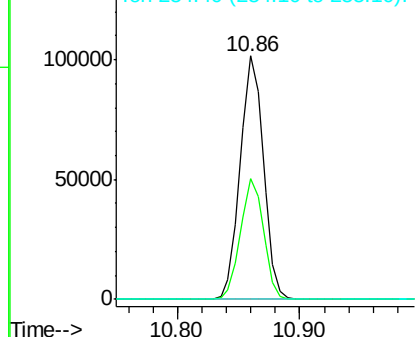
254 0.1 0.2 0.2#

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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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

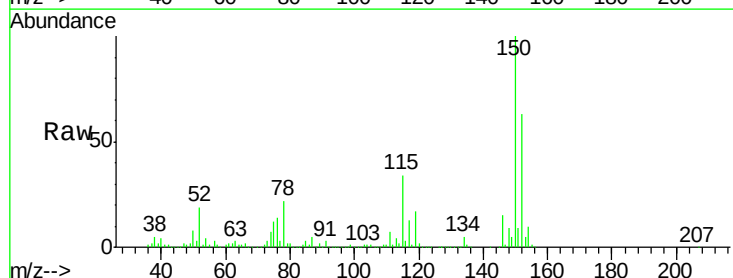
Tgt Ion:152 Resp: 228269

Ion Ratio Lower Upper

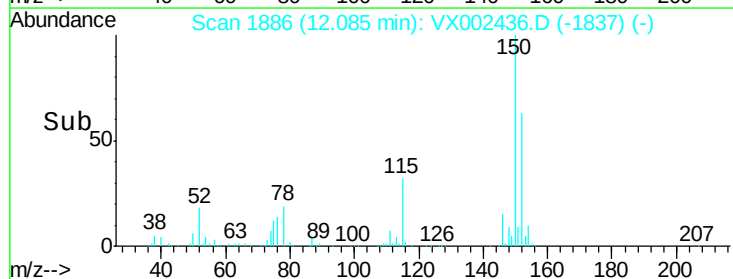
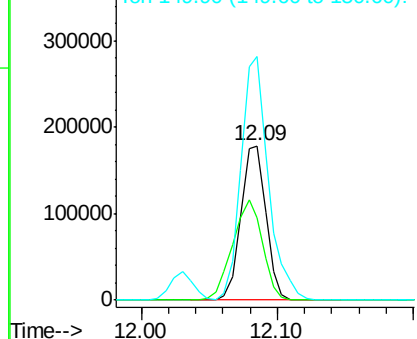
152 100

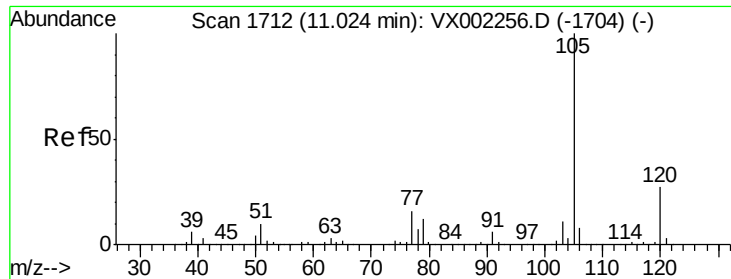
115 77.5 40.1 120.2

150 172.5 0.0 347.2



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: 44.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 708948

Ion Ratio Lower Upper

105 100

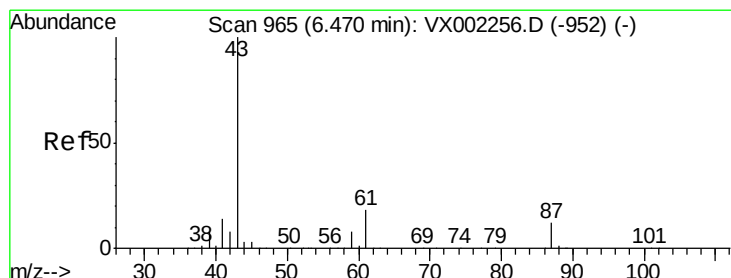
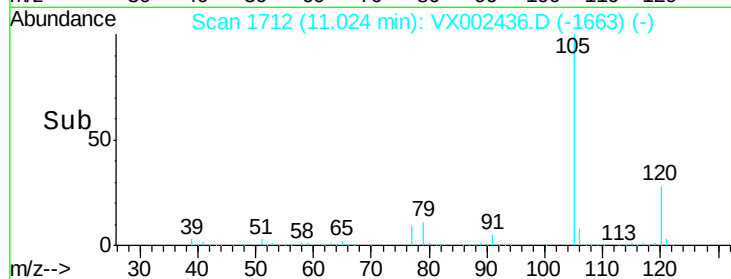
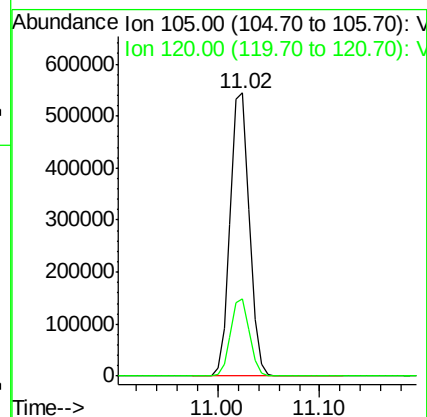
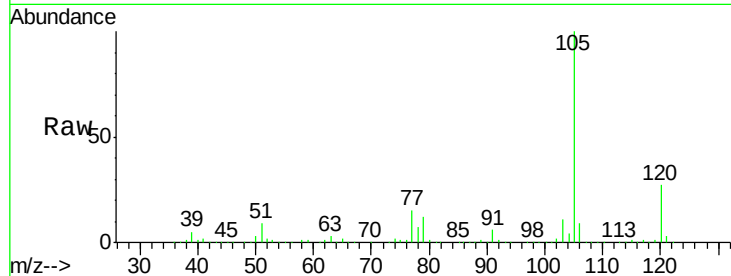
120 26.9 13.5 40.4

Manual Integrations

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6/11/2018 5:07:00 PM



#74

N-ethyl acetate

Concen: 43.05 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion: 43 Resp: 368394

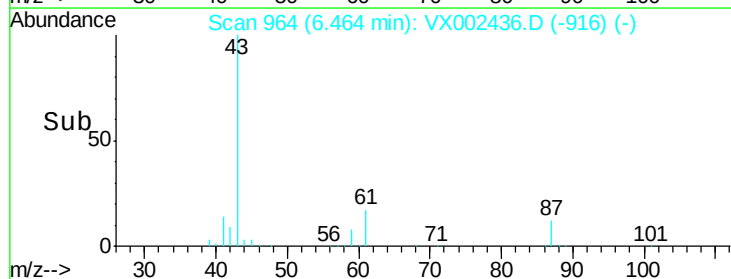
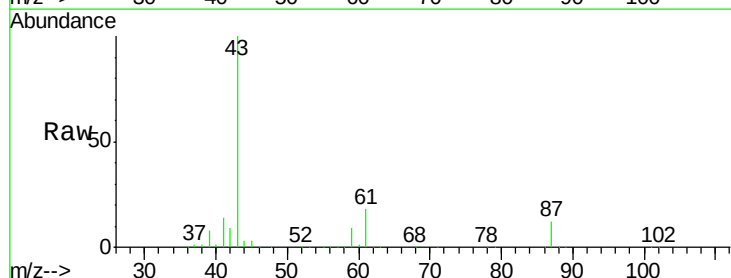
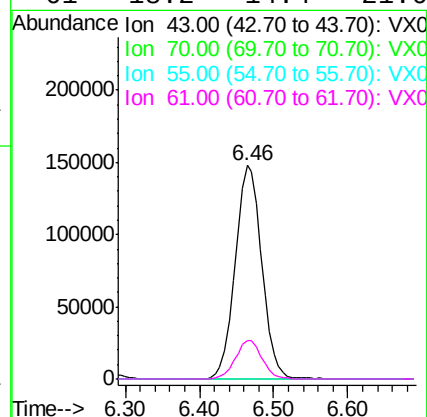
Ion Ratio Lower Upper

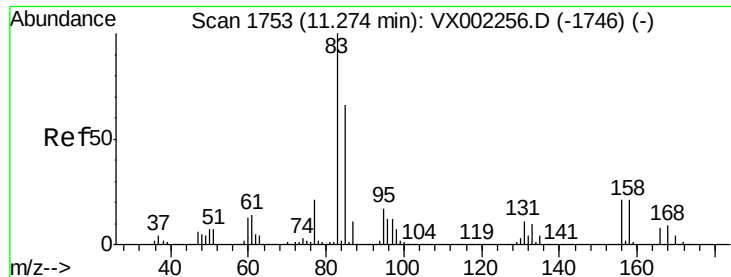
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.96 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

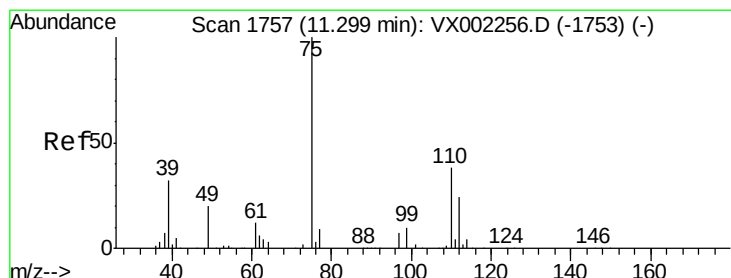
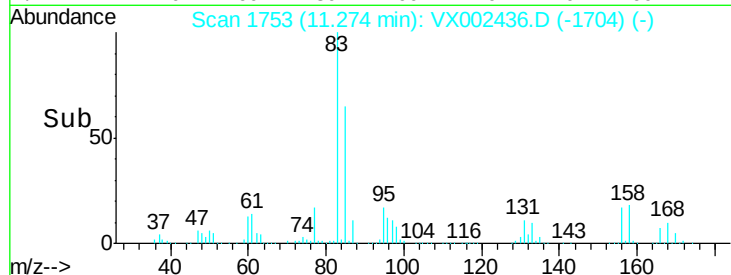
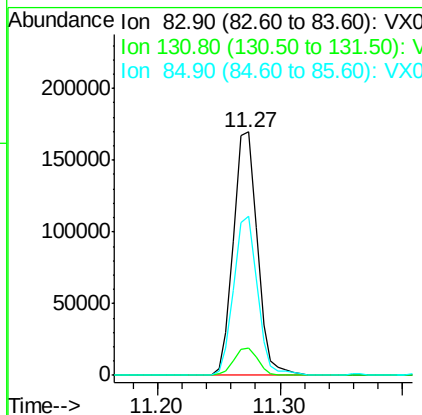
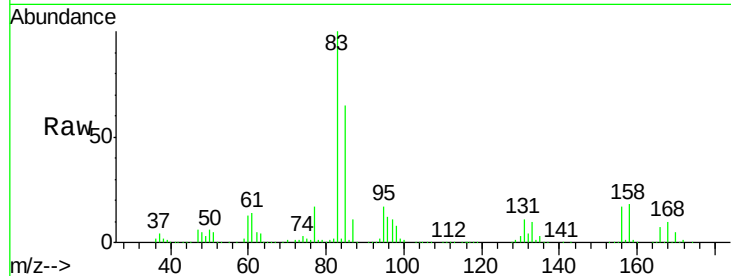
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229564
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.49 ug/l m

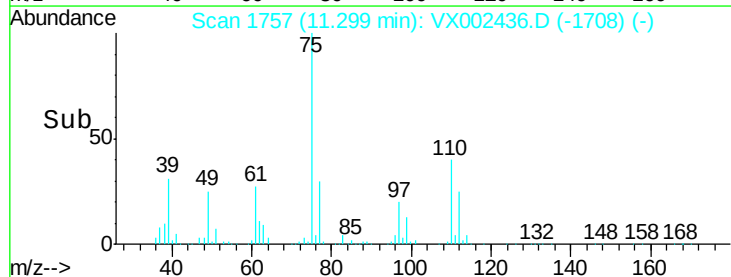
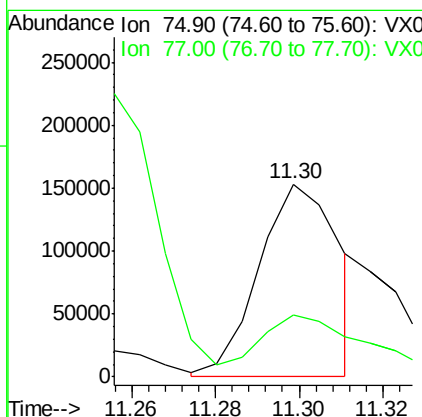
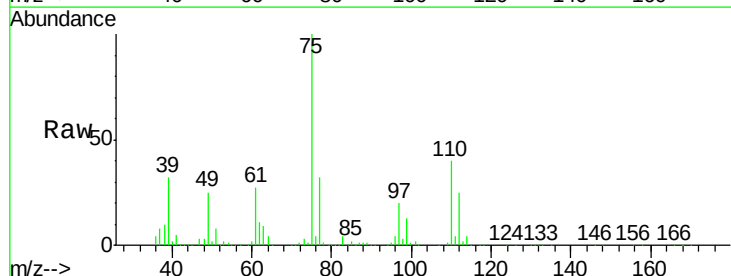
RT: 11.30 min Scan# 1757

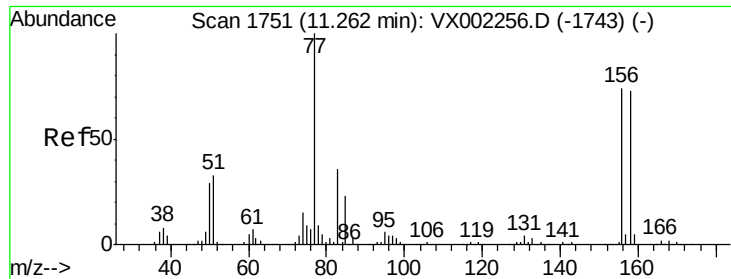
Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	75	Resp:	202828
Ion Ratio	Lower	Upper	
75	100		
77	43.1	22.8	68.3





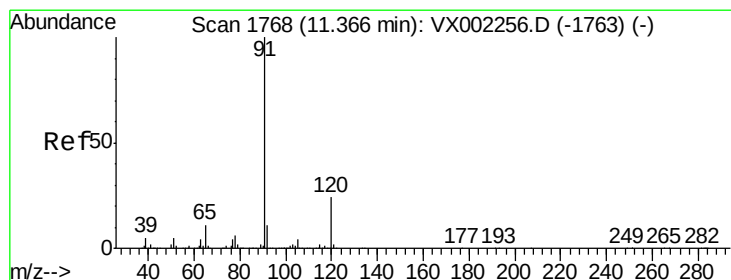
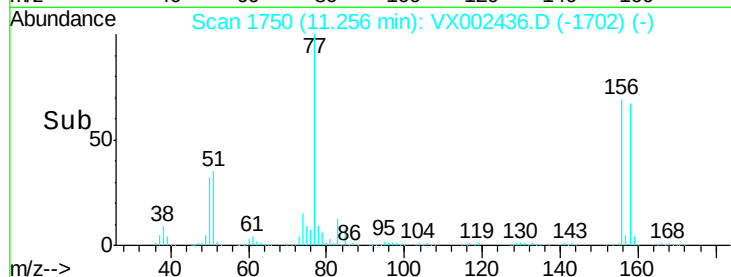
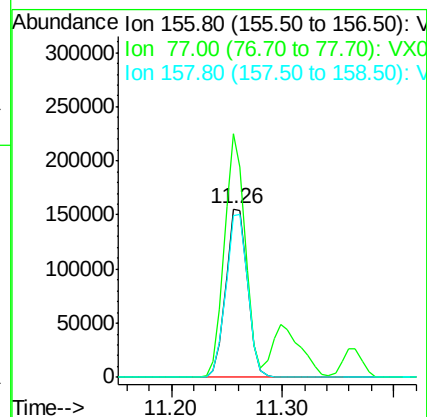
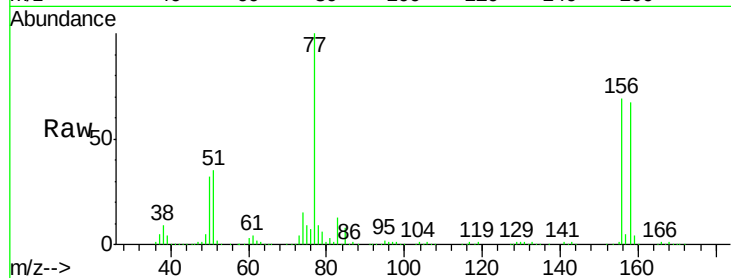
#77
Bromobenzene
Concen: 46.88 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.8	71.4	214.2
158	97.8	48.9	146.6

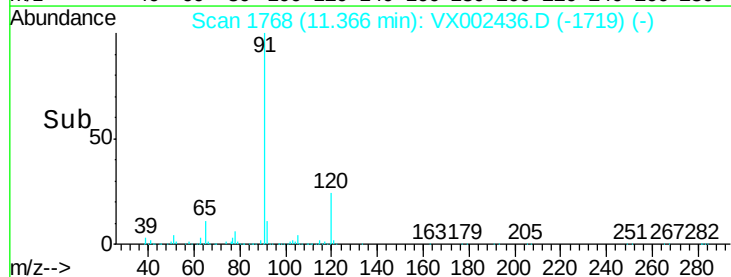
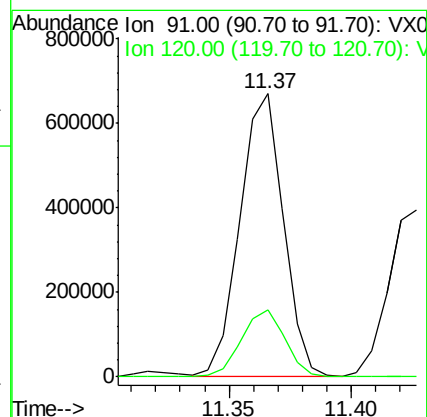
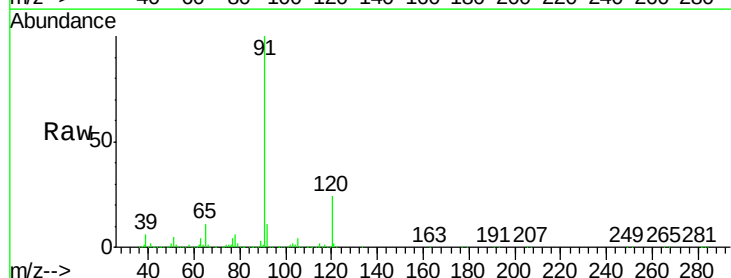
Manual Integrations
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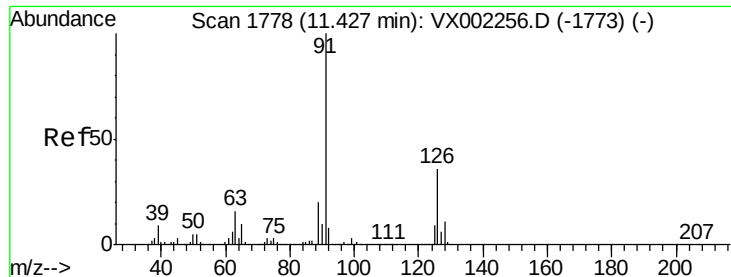
MMDadoda
6/11/2018 5:07:00 PM



#78
n-propylbenzene
Concen: 46.57 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 45.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 503906

Ion Ratio Lower Upper

91 100

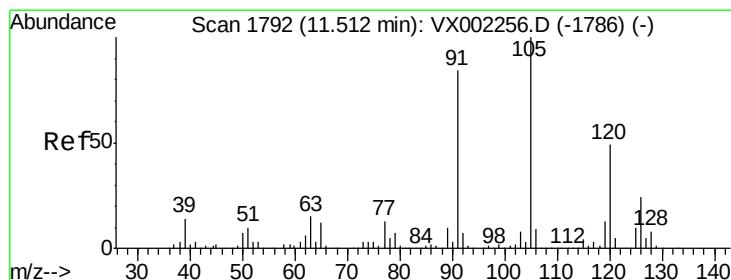
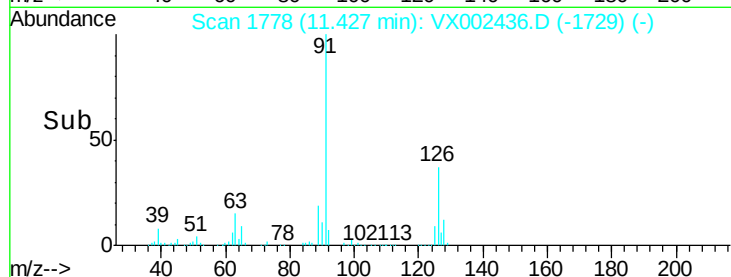
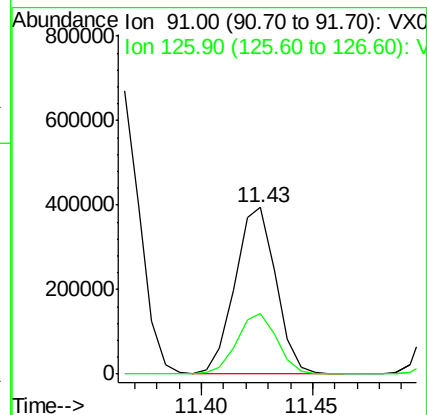
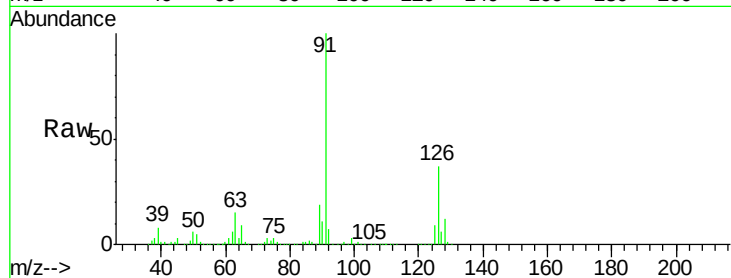
126 35.7 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002436.D

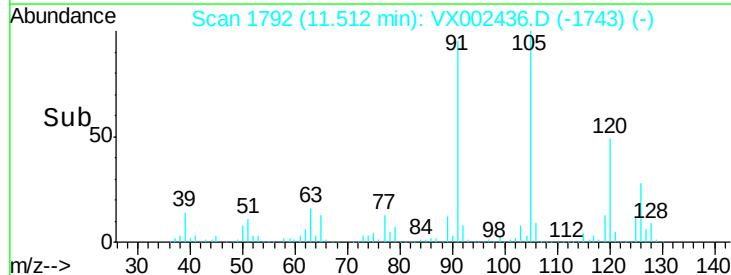
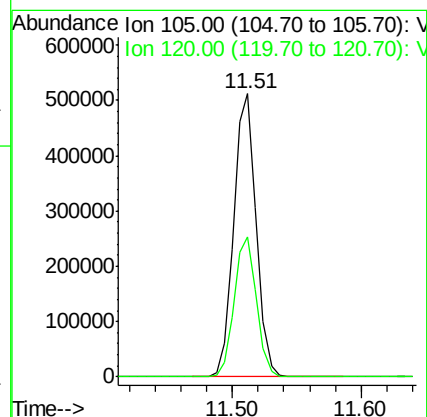
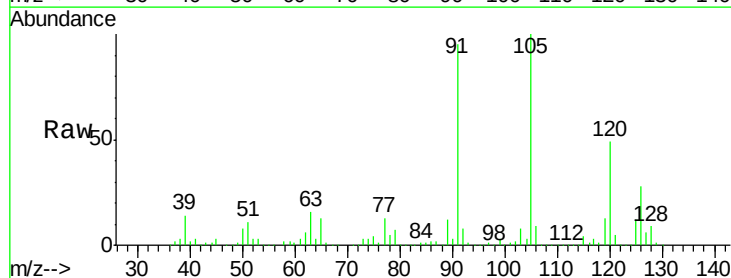
Acq: 11 Jun 2018 10:57

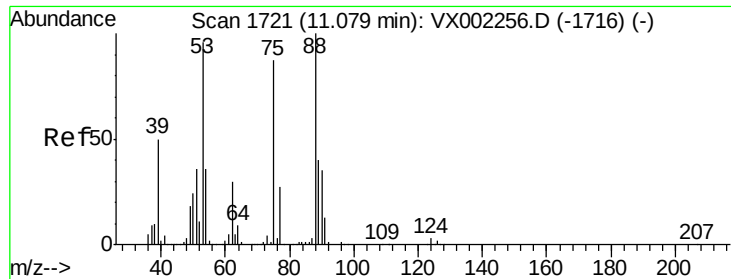
Tgt Ion: 105 Resp: 624406

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.4





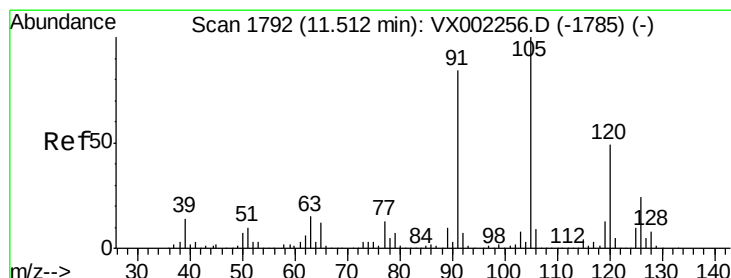
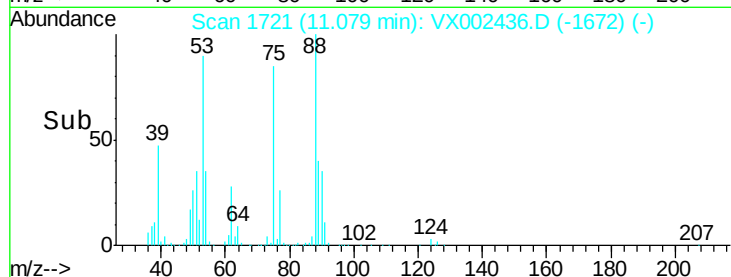
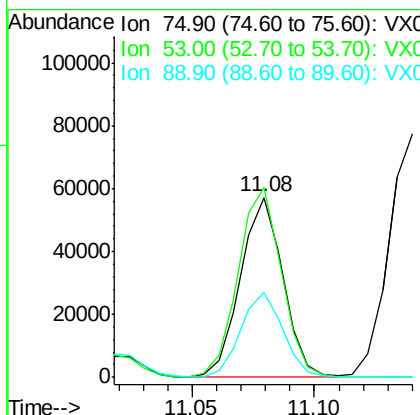
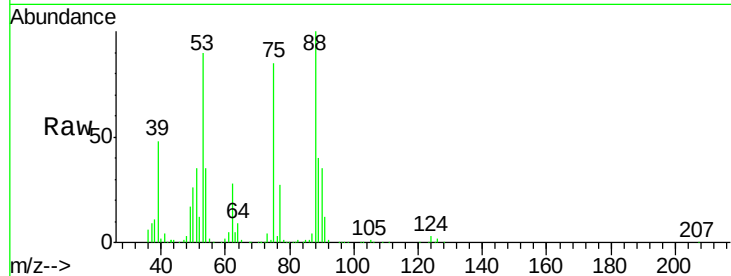
#81
trans-1,4-Dichloro-2-butene
Concen: 48.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.8	86.8	130.2
89	47.6	38.2	57.2

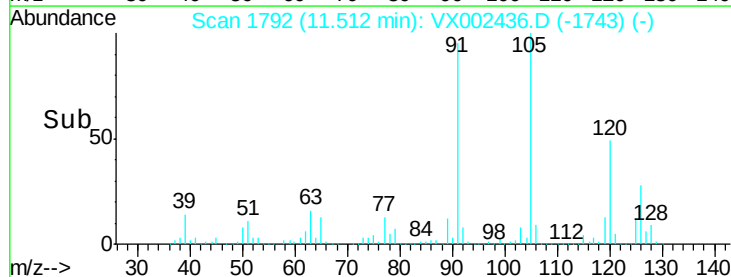
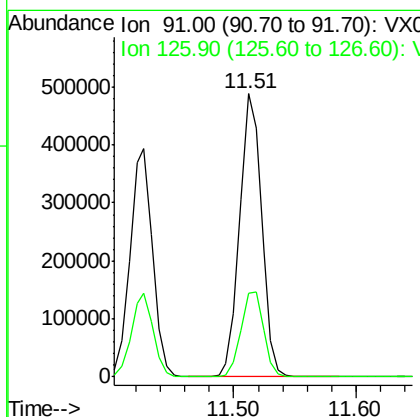
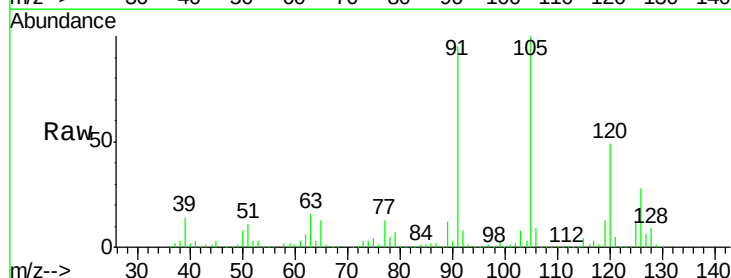
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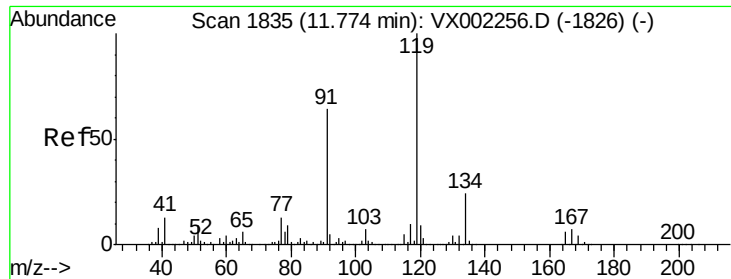
MMDadoda
6/11/2018 5:07:00 PM



#82
4-Chlorotoluene
Concen: 46.97 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.4





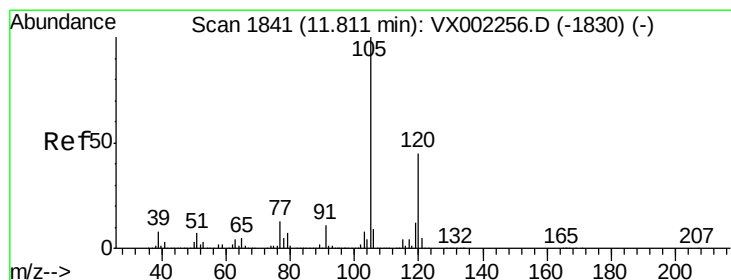
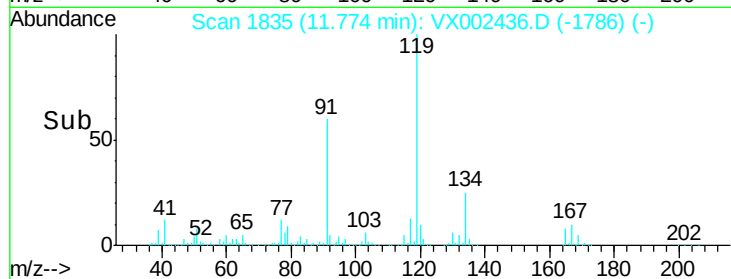
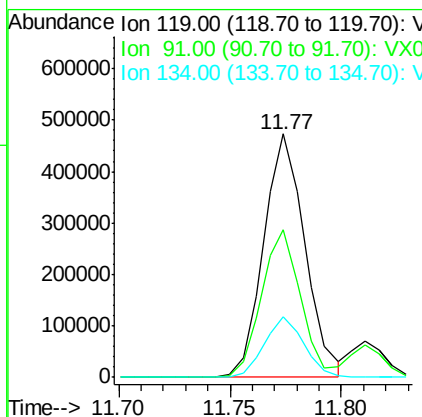
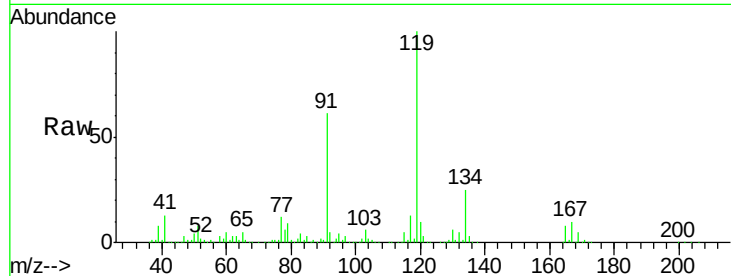
#83
 tert-Butylbenzene
 Concen: 45.98 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.3	90.9
134	23.6	11.7	35.1

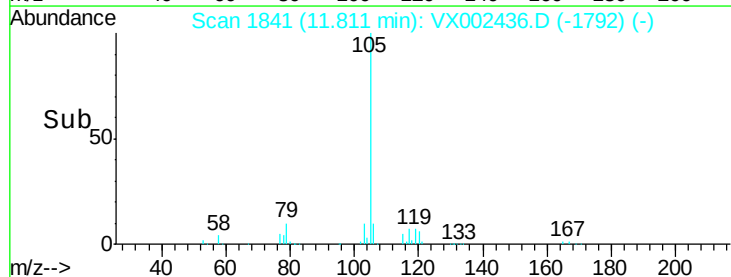
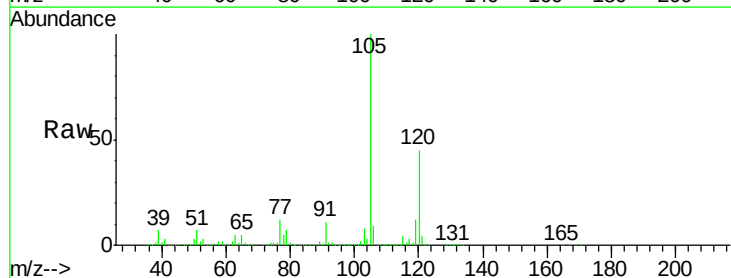
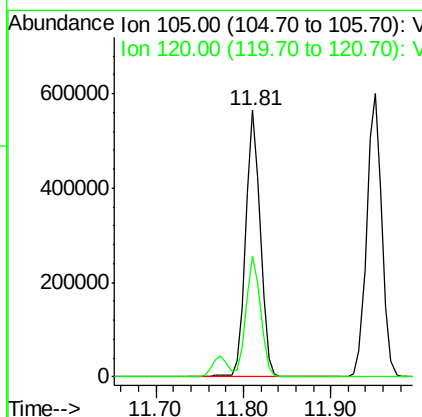
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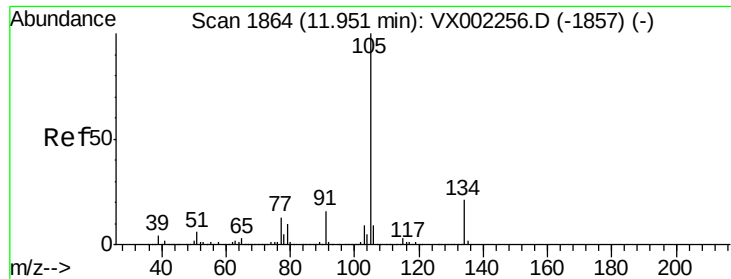
MMDadoda
 6/11/2018 5:07:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.81 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





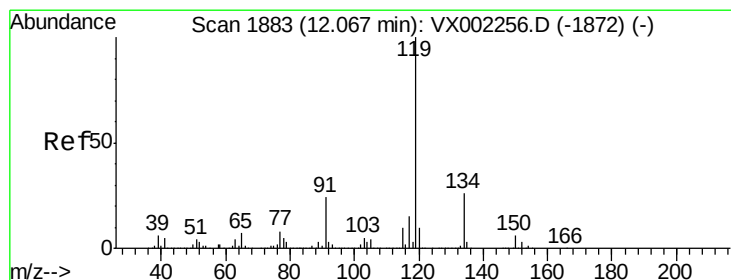
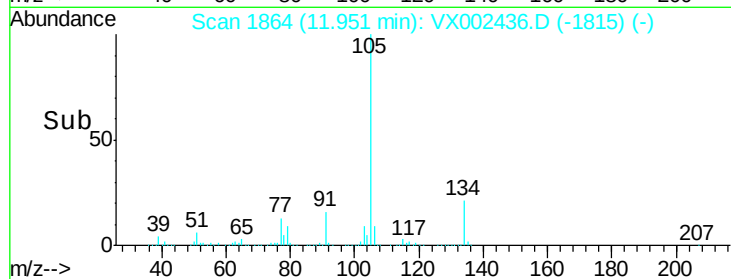
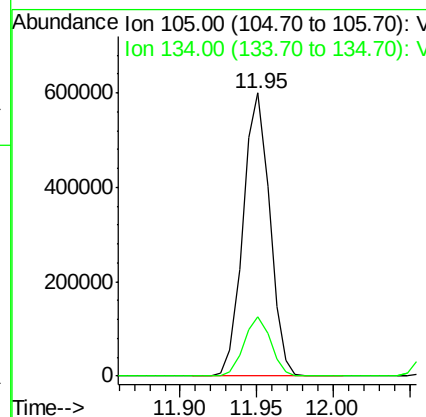
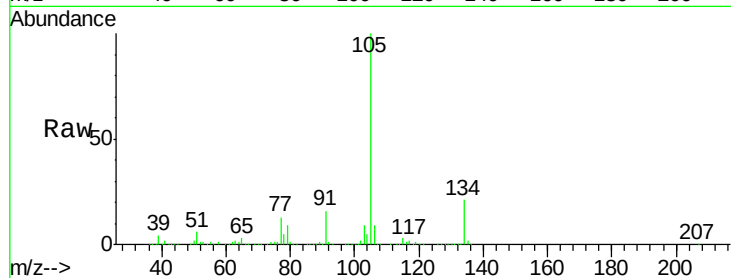
#85
 sec-Butylbenzene
 Concen: 46.67 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.1

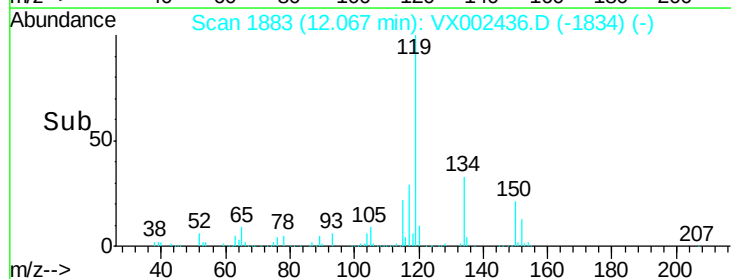
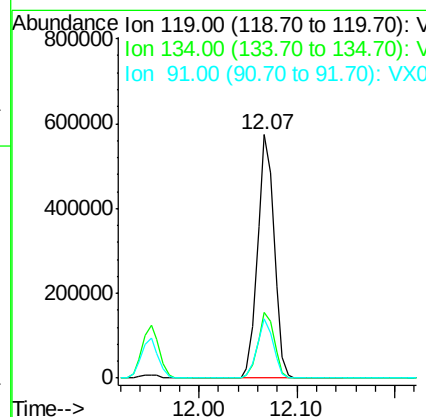
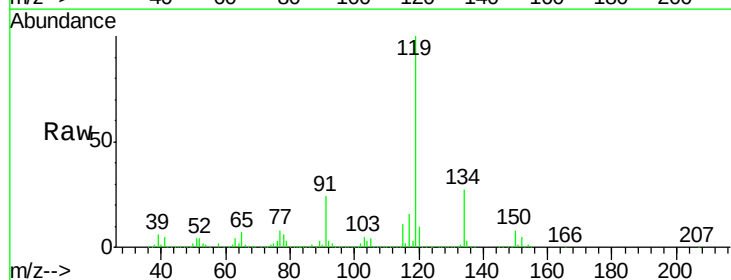
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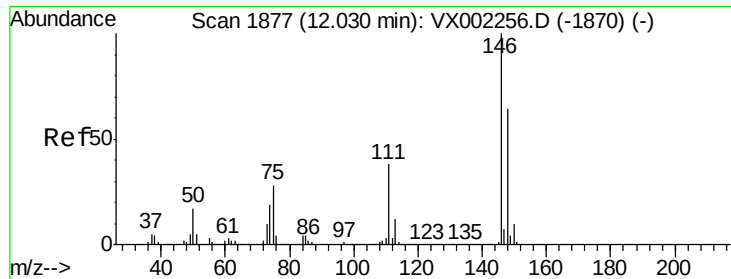
MMDadoda
 6/11/2018 5:07:00 PM



#86
 p-Isopropyltoluene
 Concen: 47.52 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	23.8	11.9	35.7





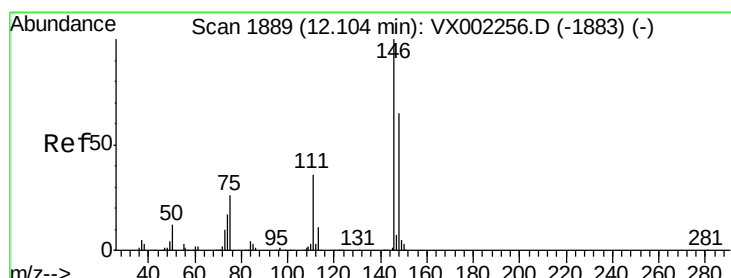
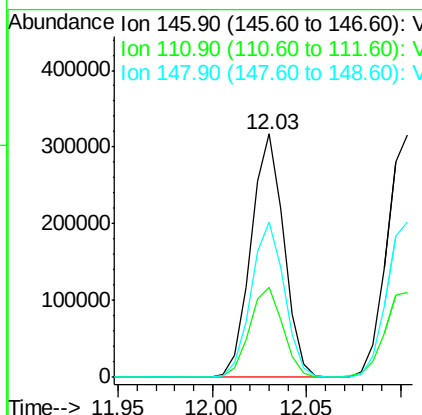
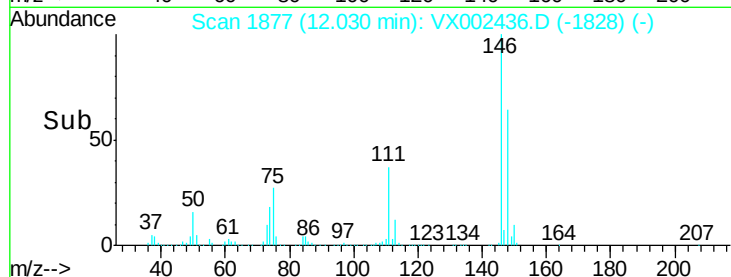
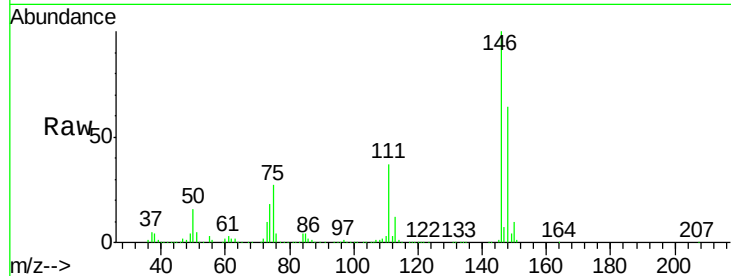
#87
 1,3-Dichlorobenzene
 Concen: 48.10 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	383380		
111	37.6	18.9	56.7	
148	64.3	32.1	96.3	

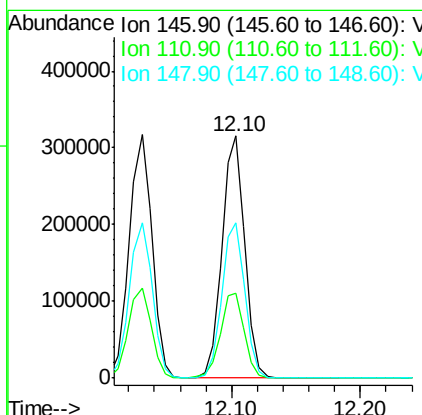
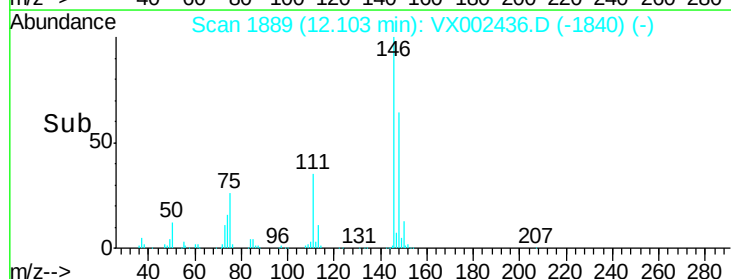
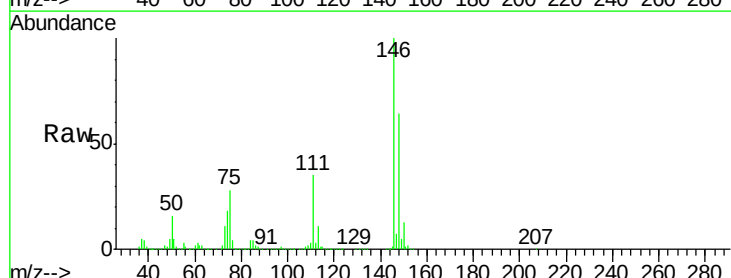
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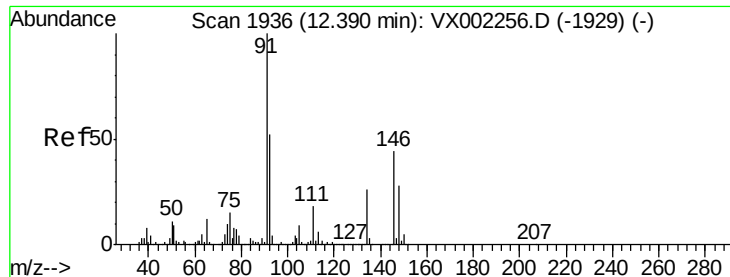
MMDadoda
 6/11/2018 5:07:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.79 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	392670		
111	36.6	18.7	56.1	
148	64.8	32.4	97.0	





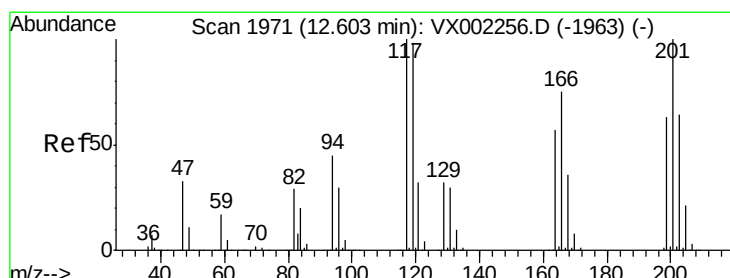
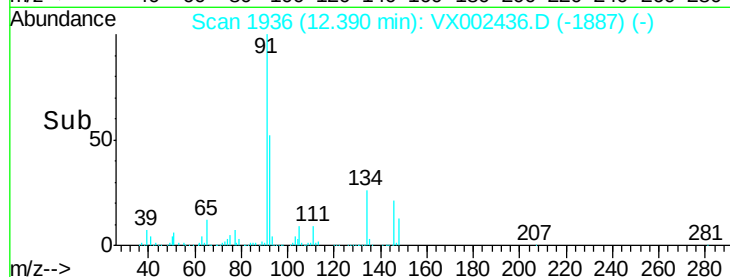
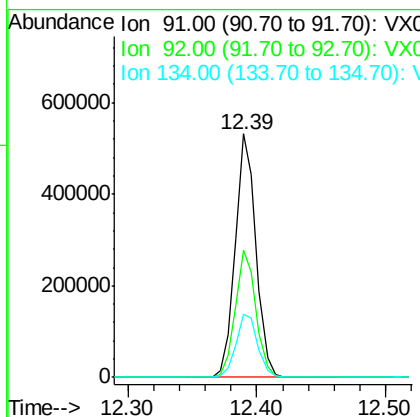
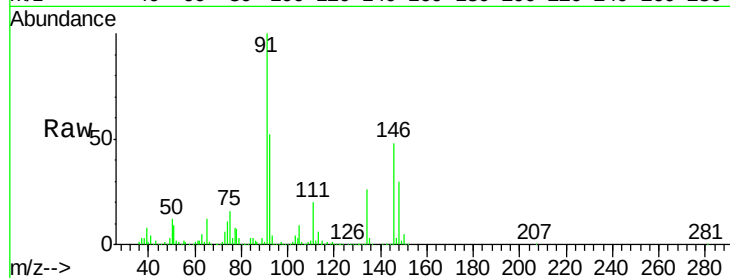
#89
n-Butylbenzene
Concen: 50.12 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.2	13.5	40.5

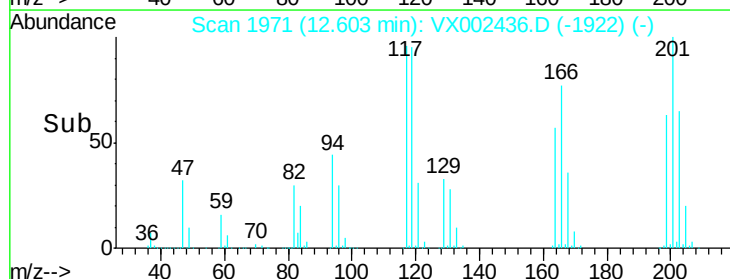
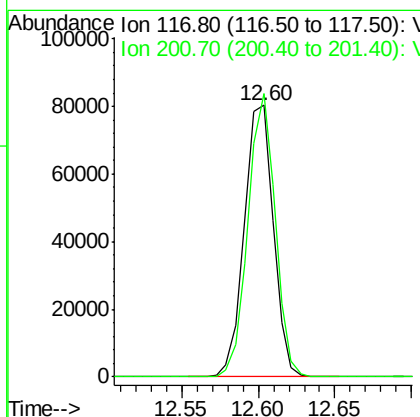
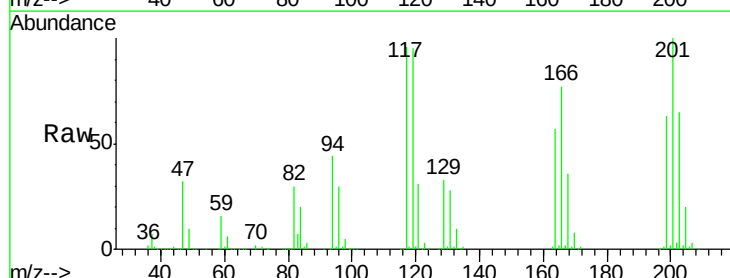
Manual Integrations
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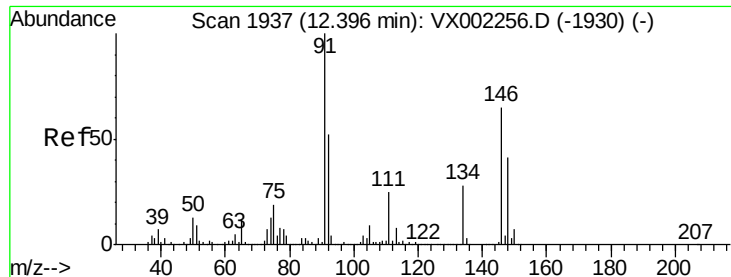
MMDadoda
6/11/2018 5:07:00 PM



#90
Hexachloroethane
Concen: 47.14 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002436.D
Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.0	147.0





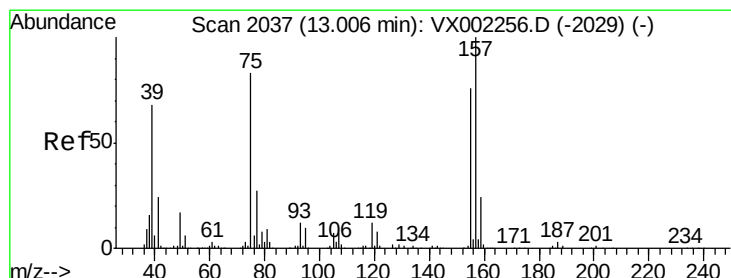
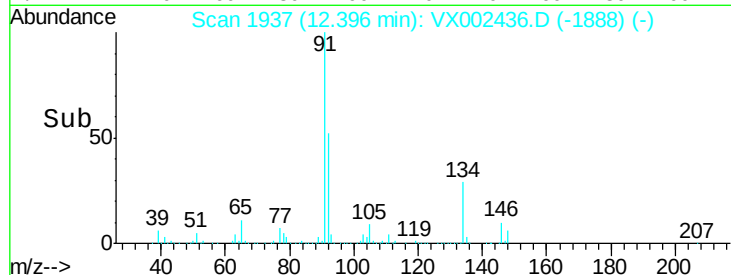
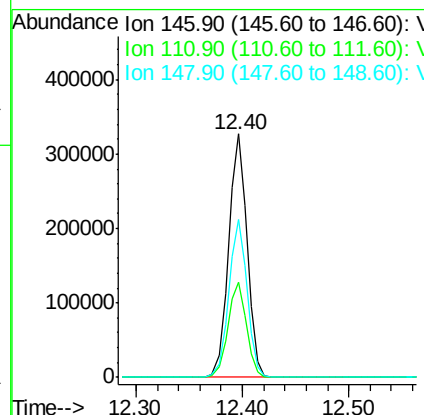
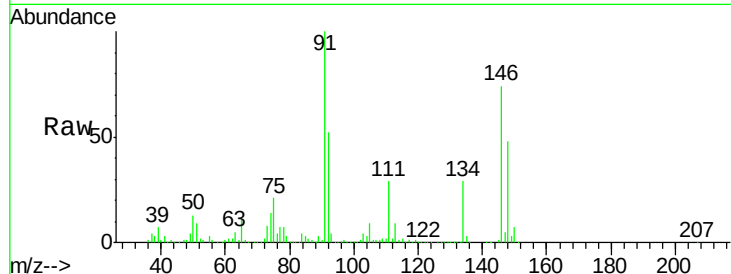
#91
 1,2-Dichlorobenzene
 Concen: 47.93 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	395251		
111	39.1	19.4	58.1	
148	64.2	31.7	95.1	

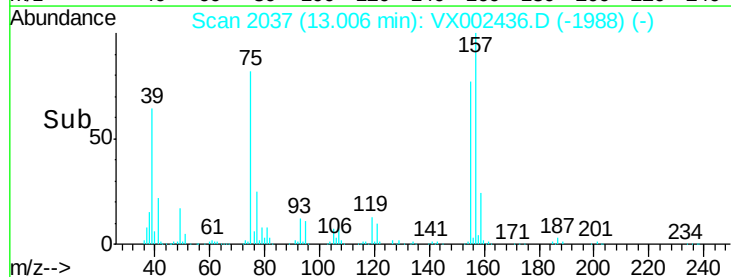
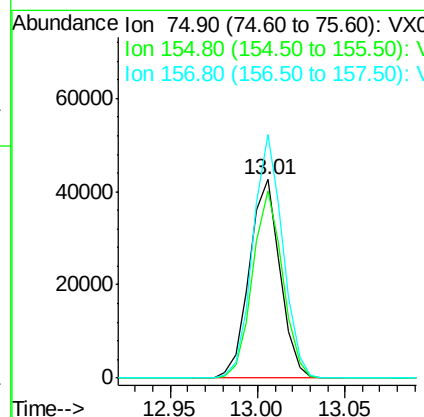
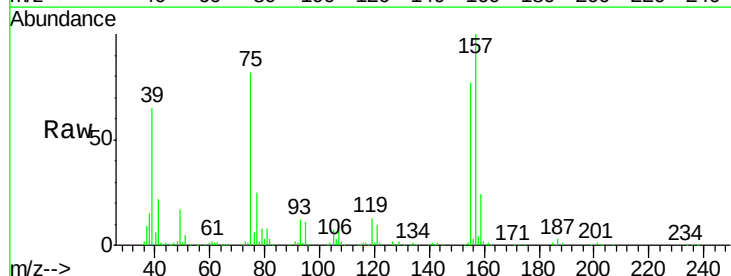
Manual Integrations
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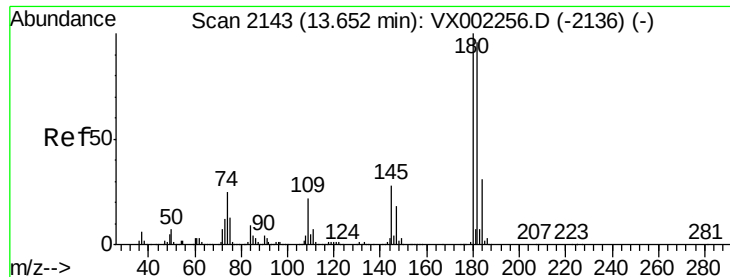
MMDadoda
 6/11/2018 5:07:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.65 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52039		
155	92.3	45.8	137.4	
157	119.0	60.1	180.3	





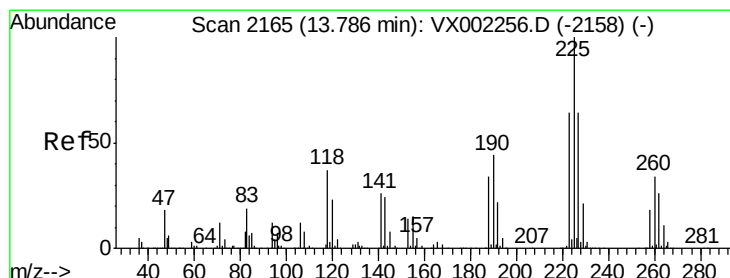
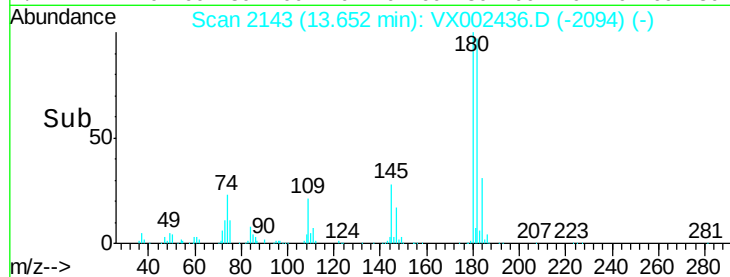
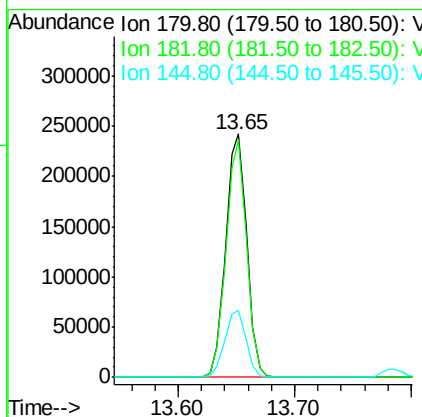
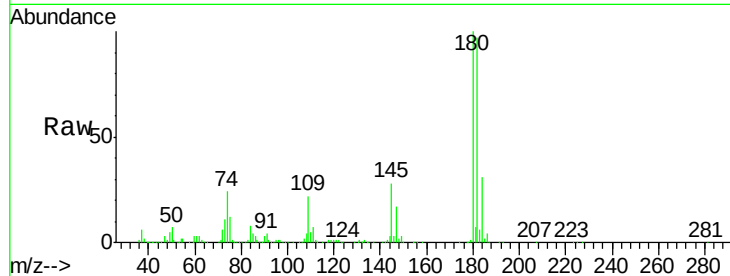
#93
 1,2,4-Trichlorobenzene
 Concen: 52.05 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	300990		
182	95.2	47.7	143.1	
145	28.0	14.1	42.4	

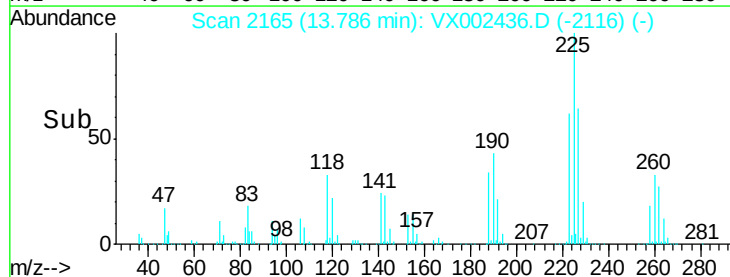
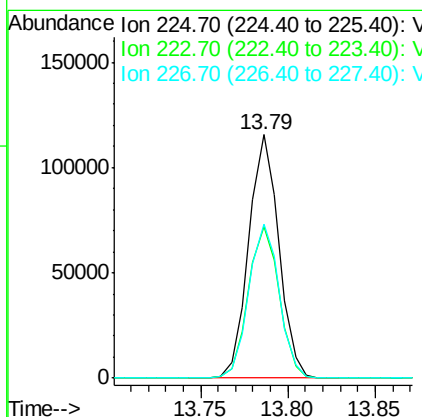
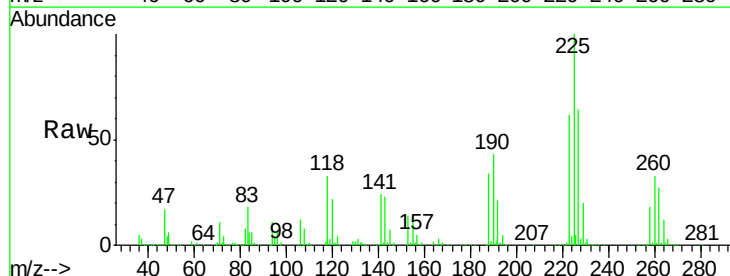
Manual Integrations
 APPROVED

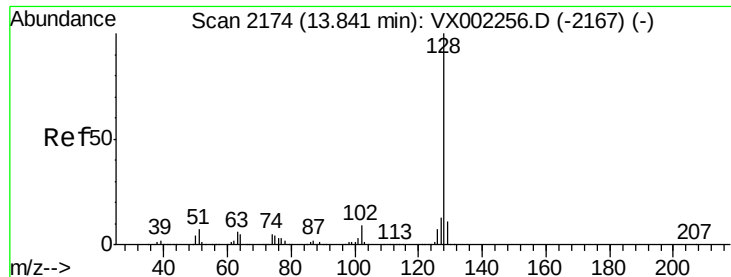
MMDadoda
 6/11/2018 5:07:00 PM



#94
 Hexachlorobutadiene
 Concen: 48.33 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002436.D
 Acq: 11 Jun 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138120		
223	63.7	31.6	95.0	
227	64.1	32.4	97.2	





#95

Naphthalene

Concen: 49.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Instrument :

MSVOA_X

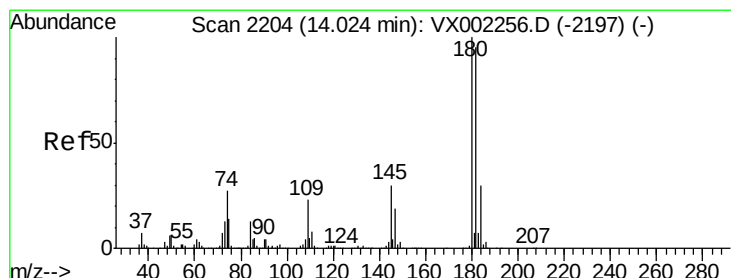
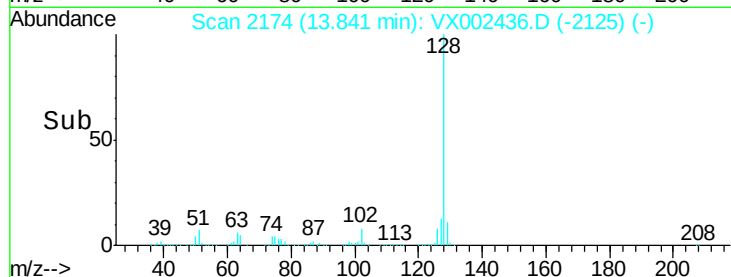
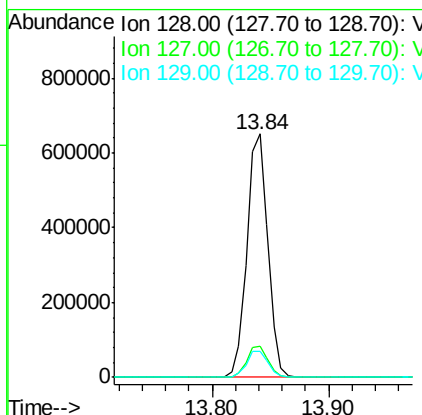
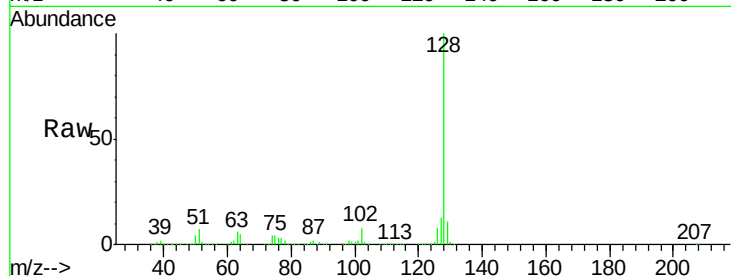
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	815408
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.17 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002436.D

Acq: 11 Jun 2018 10:57

Tgt Ion:	180	Resp:	301799
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	29.1	14.8	44.3

