

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002456.D
 Acq On : 11 Jun 2018 21:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:32 PM

Quant Time: Jun 12 03:42:27 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	196655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	303604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	142151	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	5.51	113	110030	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	8.72	98	404711	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	11.14	95	160638	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86089	42.11	ug/l	100
3) Chloromethane	1.32	50	113701	48.45	ug/l	96
4) Vinyl Chloride	1.41	62	124672	48.39	ug/l	100
5) Bromomethane	1.64	94	77773	53.58	ug/l	99
6) Chloroethane	1.72	64	88470	53.08	ug/l	99
7) Trichlorofluoromethane	1.93	101	208878	53.21	ug/l	98
8) Diethyl Ether	2.19	74	88074	63.80	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111802	52.78	ug/l	99
10) Methyl Iodide	2.51	142	128690	43.19	ug/l	99
11) Tert butyl alcohol	3.08	59	163603	286.77	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108240	51.70	ug/l	99
13) Acrolein	2.30	56	66438	237.45	ug/l	98
14) Allyl chloride	2.73	41	230591	50.75	ug/l	99
15) Acrylonitrile	3.15	53	372881	314.03	ug/l	100
16) Acetone	2.45	43	343324	286.68	ug/l	100
17) Carbon Disulfide	2.57	76	248498	45.04	ug/l	98
18) Methyl Acetate	2.78	43	185783	66.85	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	459338	63.66	ug/l	100
20) Methylene Chloride	2.86	84	137117	62.35	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	119760	51.87	ug/l	98
22) Diisopropyl ether	3.87	45	423157	55.93	ug/l	93
23) Vinyl Acetate	3.83	43	1816070	246.58	ug/l	99
24) 1,1-Dichloroethane	3.70	63	241897	53.87	ug/l	99
25) 2-Butanone	4.71	43	467539	242.47	ug/l	99
26) 2,2-Dichloropropane	4.59	77	142905	40.71	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	123743	49.29	ug/l	95
28) Bromochloromethane	5.03	49	113158	59.96	ug/l	99
29) Tetrahydrofuran	5.17	42	305018	245.35	ug/l	98
30) Chloroform	5.22	83	224819	51.88	ug/l	98
31) Cyclohexane	5.57	56	161580	45.51	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	184883	50.31	ug/l	99
36) 1,1-Dichloropropene	5.80	75	149010	46.69	ug/l	99
37) Ethyl Acetate	4.87	43	190115	49.53	ug/l	99
38) Carbon Tetrachloride	5.79	117	160117	47.95	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	161805	41.08	ug/l	96
40) Benzene	6.15	78	476140	48.65	ug/l	99
41) Methacrylonitrile	5.07	41	108077	49.19	ug/l	99
42) 1,2-Dichloroethane	6.20	62	194435	50.01	ug/l	100
43) Isopropyl Acetate	6.47	43	320295	49.13	ug/l	99
44) Trichloroethene	7.21	130	130853	48.18	ug/l	98
45) 1,2-Dichloropropane	7.53	63	131789	49.88	ug/l	95
46) Dibromomethane	7.67	93	88816	49.59	ug/l	98
47) Bromodichloromethane	7.90	83	168895	52.14	ug/l	99
48) Methyl methacrylate	7.78	41	164289	50.17	ug/l	98
49) 1,4-Dioxane	7.76	88	59564	972.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1044315	257.22	ug/l	99
52) Toluene	8.79	92	311388	50.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	195231	50.26	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	184271	50.28	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	133001	51.95	ug/l	98
56) Ethyl methacrylate	9.18	69	207640	50.80	ug/l	99
57) 1,3-Dichloropropane	9.38	76	221688	51.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	487271	257.59	ug/l	99
59) 2-Hexanone	9.50	43	790662	252.12	ug/l	99
60) Dibromochloromethane	9.59	129	138973	53.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	140475	52.63	ug/l	100
64) Tetrachloroethene	9.34	164	140333	44.97	ug/l	99
65) Chlorobenzene	10.14	112	365780	48.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	137605	50.47	ug/l	99
67) Ethyl Benzene	10.26	91	618528	49.09	ug/l	100
68) m/p-Xylenes	10.37	106	480311	98.06	ug/l	100
69) o-Xylene	10.70	106	238836	49.00	ug/l	100
70) Styrene	10.71	104	408407	51.25	ug/l	99
71) Bromoform	10.86	173	109284	45.12	ug/l	98
73) Isopropylbenzene	11.02	105	636645	46.38	ug/l	100
74) N-amyl acetate	6.47	43	320295	43.31	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	206774	47.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	176592m	40.79	ug/l	
77) Bromobenzene	11.26	156	183107	47.52	ug/l	98
78) n-propylbenzene	11.37	91	726670	47.63	ug/l	100
79) 2-Chlorotoluene	11.43	91	445253	46.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	551309	46.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	51703	41.86	ug/l	95
82) 4-Chlorotoluene	11.51	91	528823	47.56	ug/l	100
83) tert-Butylbenzene	11.77	119	540602	47.15	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	572728	47.26	ug/l	98
85) sec-Butylbenzene	11.95	105	651182	48.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	594606	48.57	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	330726	48.00	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	337588	47.54	ug/l	99
89) n-Butylbenzene	12.39	91	510896	49.76	ug/l	99
90) Hexachloroethane	12.60	117	89791	45.95	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	340732	47.80	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44674	47.32	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	245639	49.14	ug/l	99
94) Hexachlorobutadiene	13.79	225	120004	48.58	ug/l	98
95) Naphthalene	13.84	128	706968	49.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	252876	49.61	ug/l	100

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

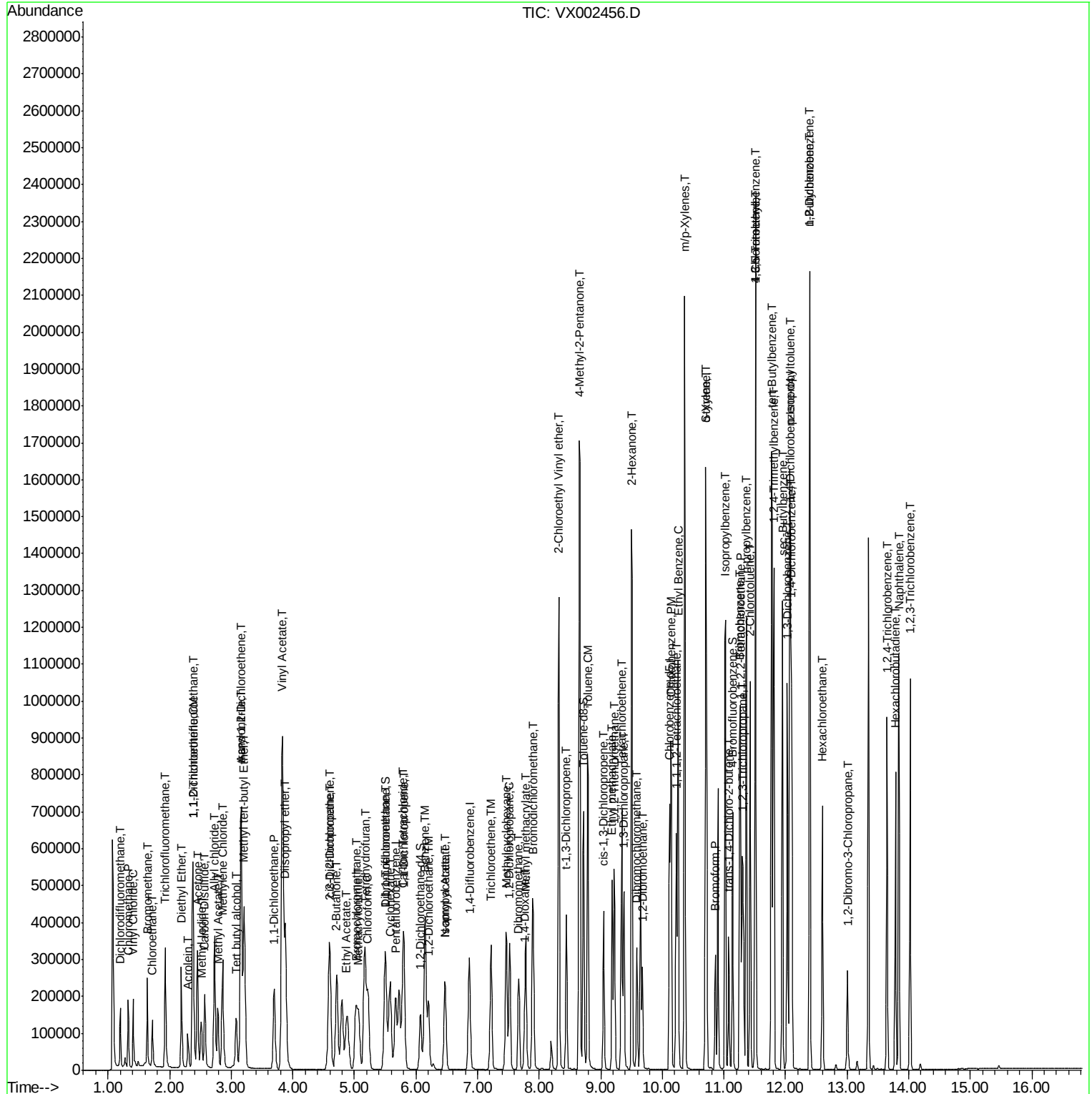
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
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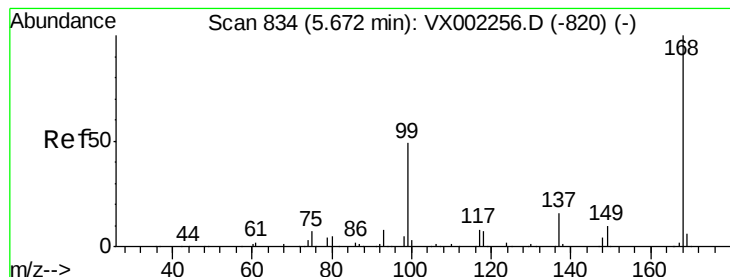
Instrument :
 MSVOA_X
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 196655

Ion Ratio Lower Upper

168 100

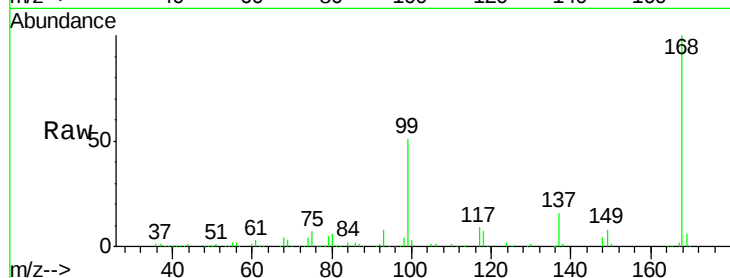
99 50.8 39.3 58.9

Manual Integrations

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6/12/2018 4:50:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

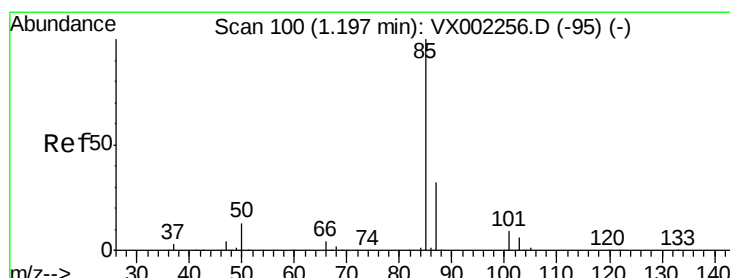
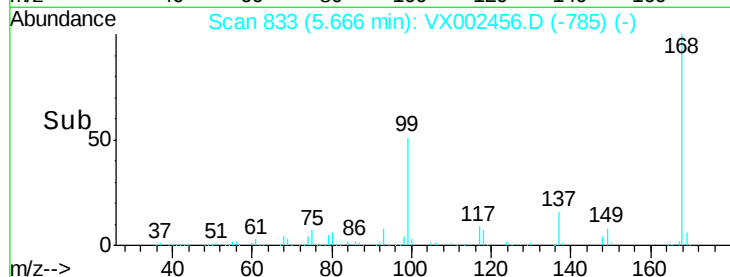
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002456.D

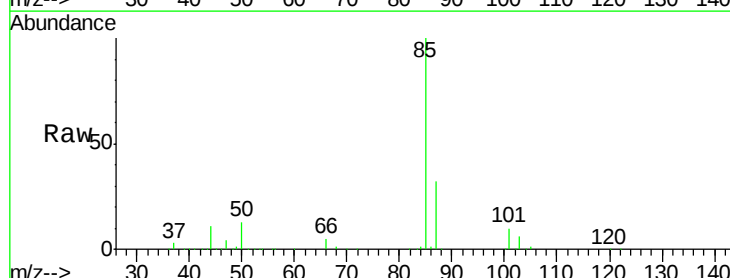
Acq: 11 Jun 2018 21:08

Tgt Ion: 85 Resp: 86089

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

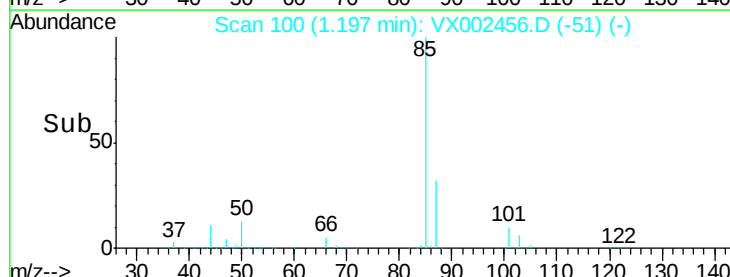
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.45 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113701

Ion Ratio Lower Upper

50 100

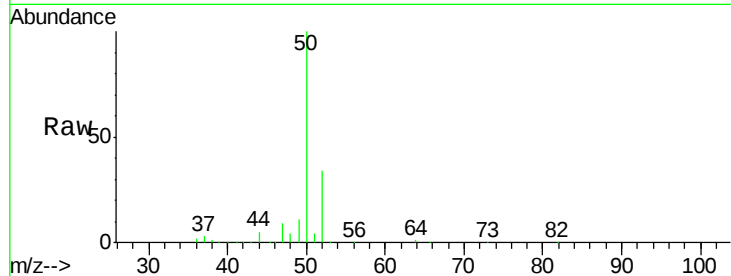
52 34.1 25.7 38.5

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

1.32

120000

100000

80000

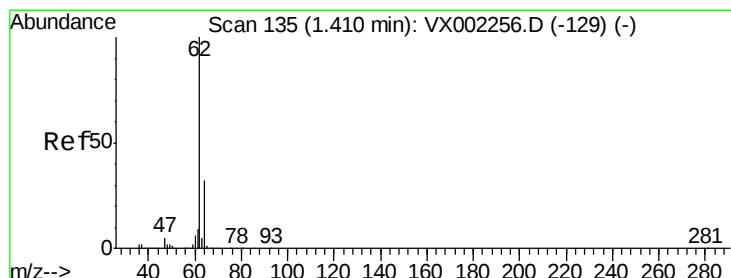
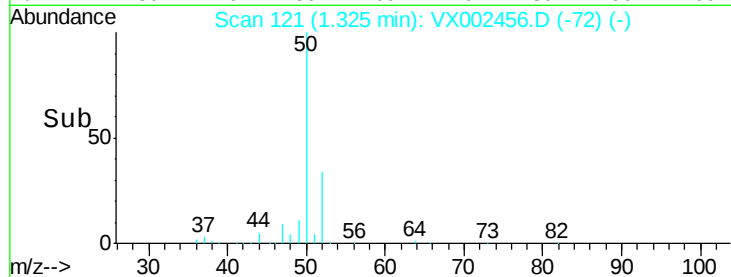
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40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 48.39 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002456.D

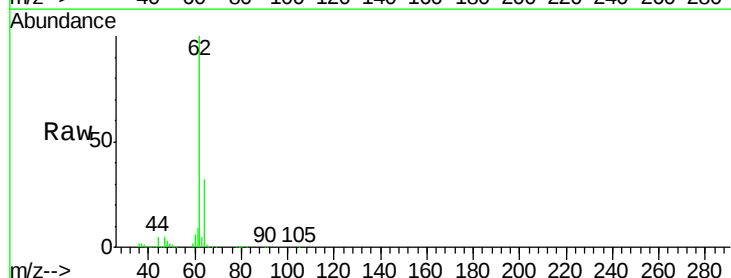
Acq: 11 Jun 2018 21:08

Tgt Ion: 62 Resp: 124672

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

120000

100000

80000

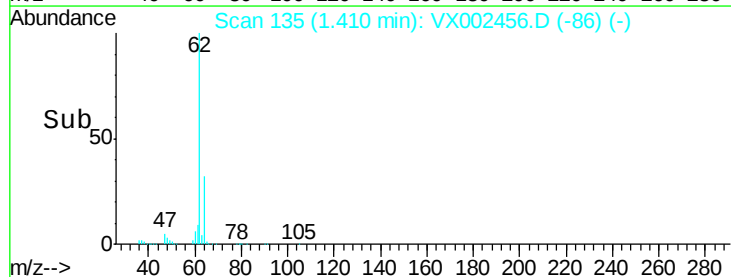
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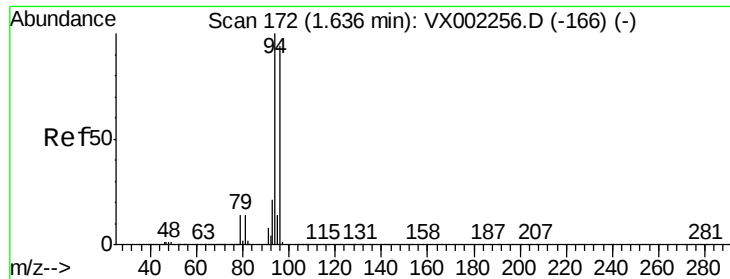
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20000

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Time-->





#5

Bromomethane

Concen: 53.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77773

Ion Ratio Lower Upper

94 100

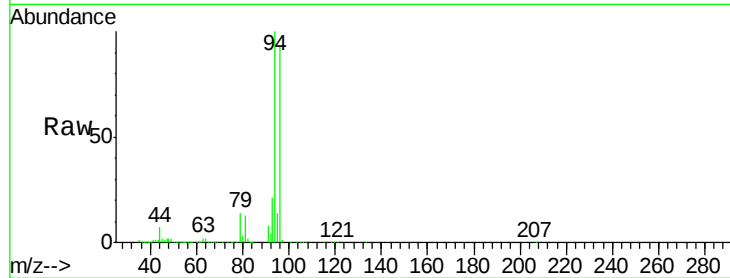
96 92.6 74.9 112.3

Manual Integrations

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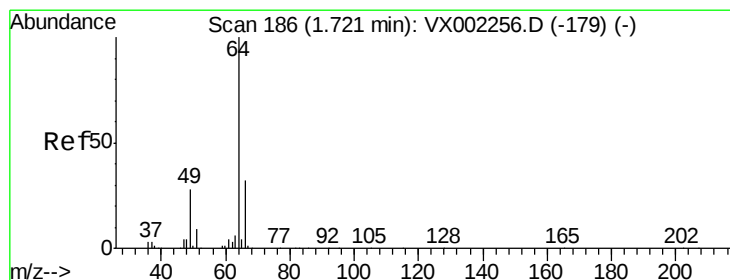
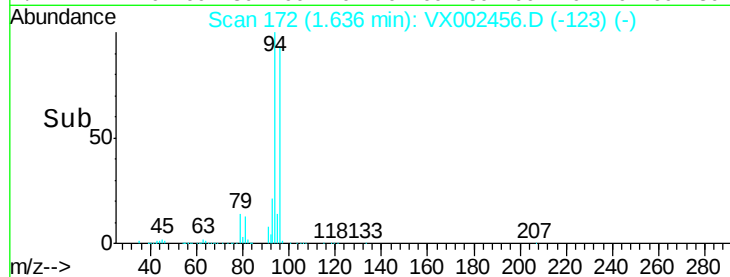
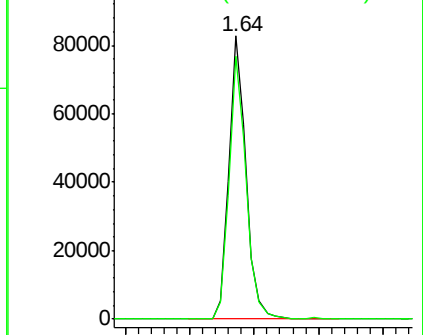
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.08 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002456.D

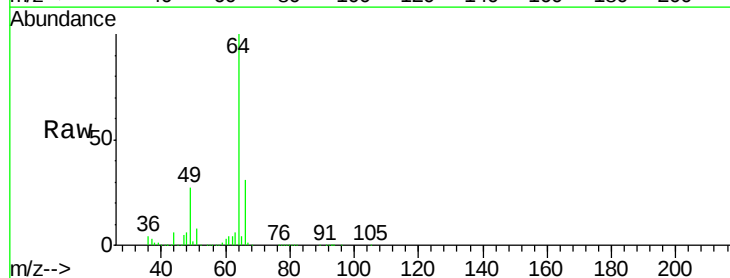
Acq: 11 Jun 2018 21:08

Tgt Ion: 64 Resp: 88470

Ion Ratio Lower Upper

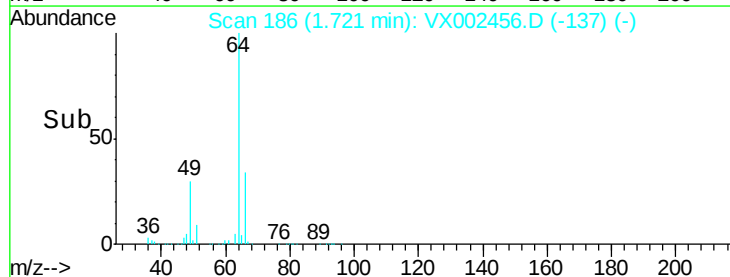
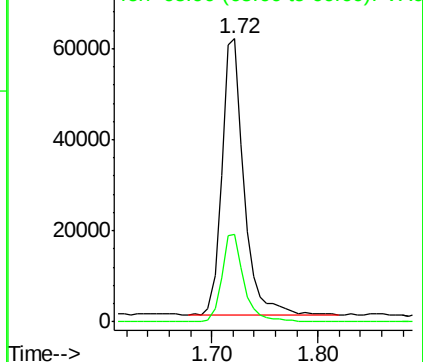
64 100

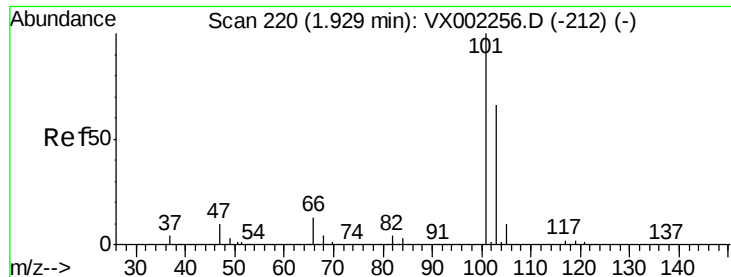
66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 53.21 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 208878

Ion Ratio Lower Upper

101 100

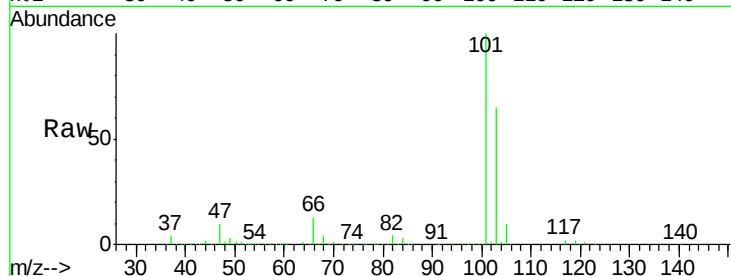
103 64.6 52.8 79.2

Manual Integrations

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6/12/2018 4:50:32 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

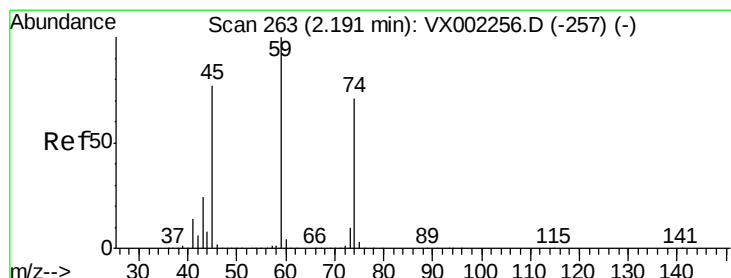
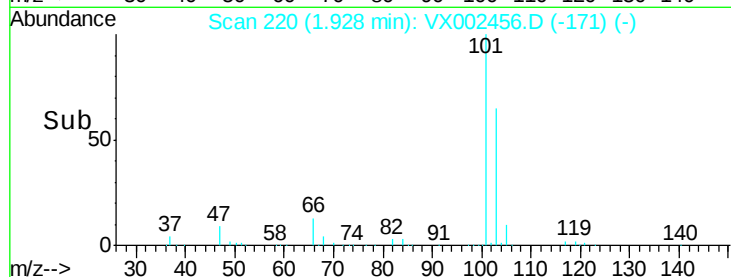
100000

50000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 63.80 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002456.D

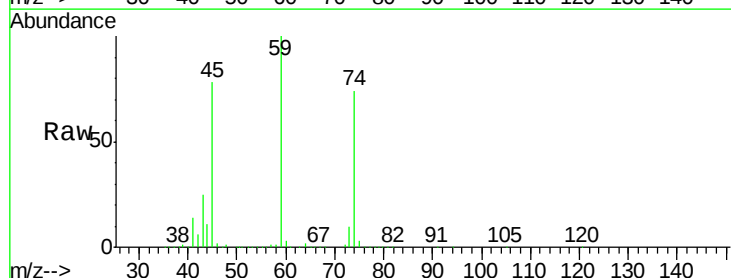
Acq: 11 Jun 2018 21:08

Tgt Ion: 74 Resp: 88074

Ion Ratio Lower Upper

74 100

45 103.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

60000

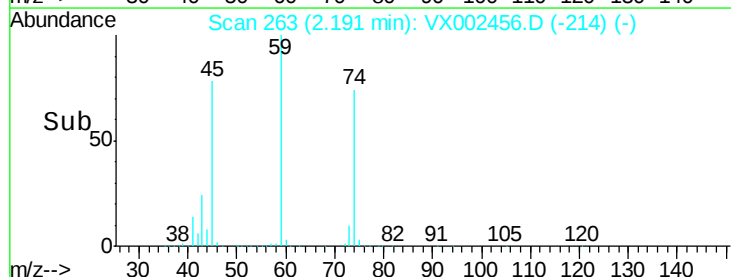
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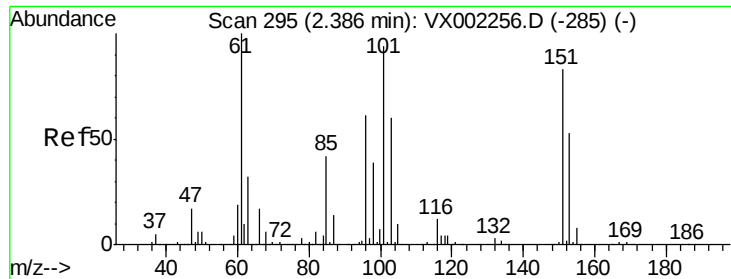
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2.10 2.20 2.30

Time-->





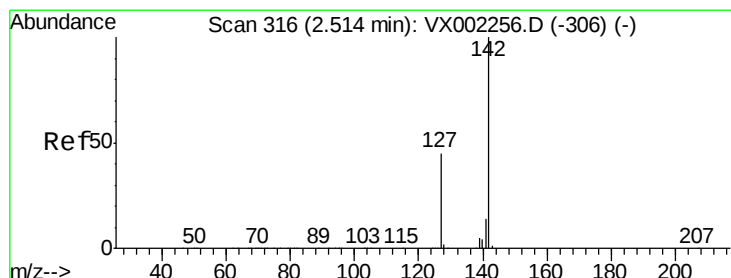
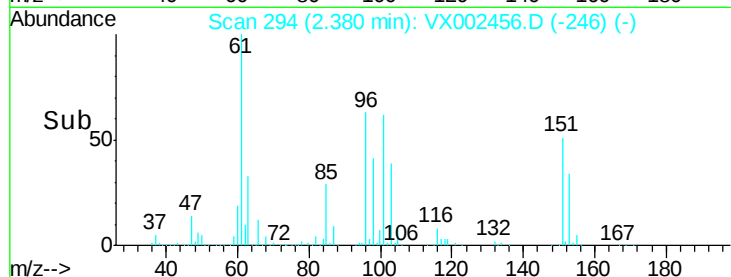
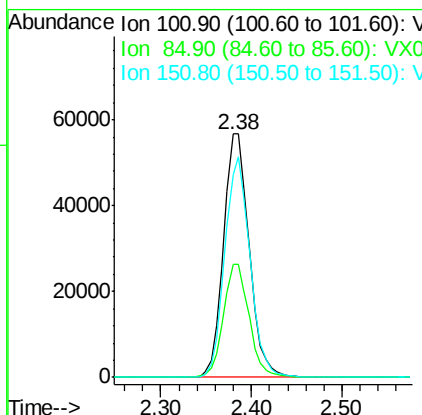
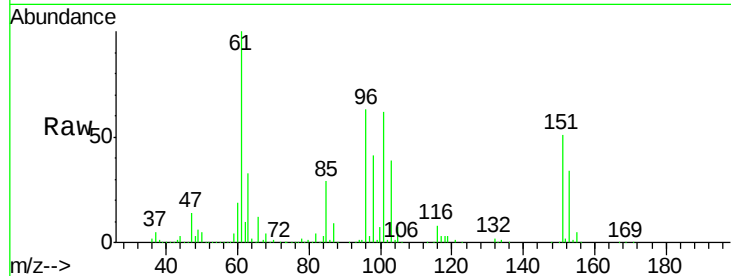
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.78 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111802		
85	46.3	36.0	54.0	
151	88.8	70.9	106.3	

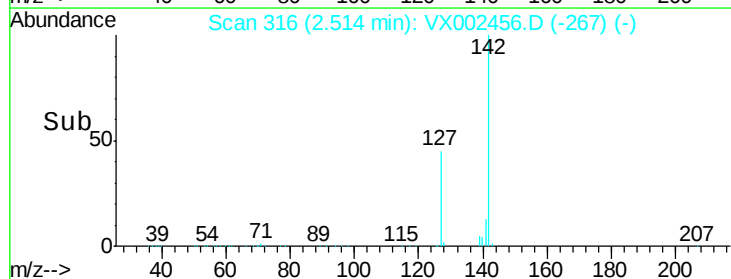
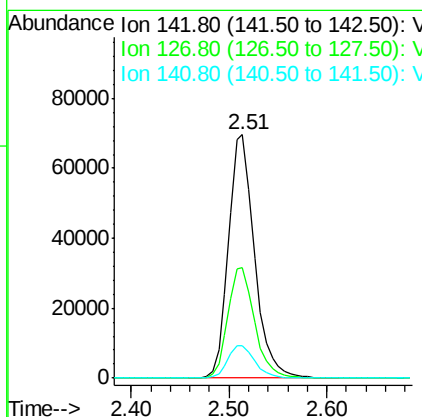
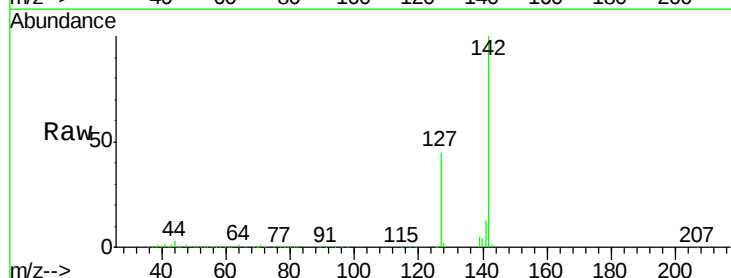
Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:32 PM



#10
 Methyl Iodide
 Concen: 43.19 ug/l
 RT: 2.51 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	128690		
127	46.8	36.6	55.0	
141	14.1	11.3	16.9	





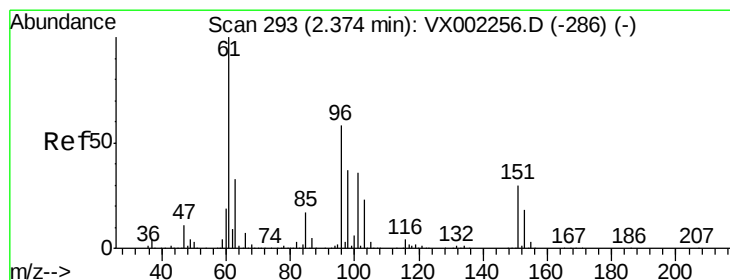
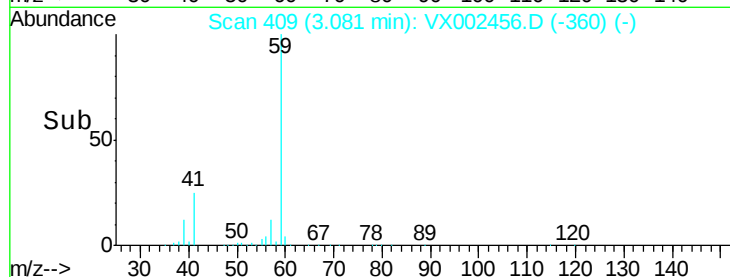
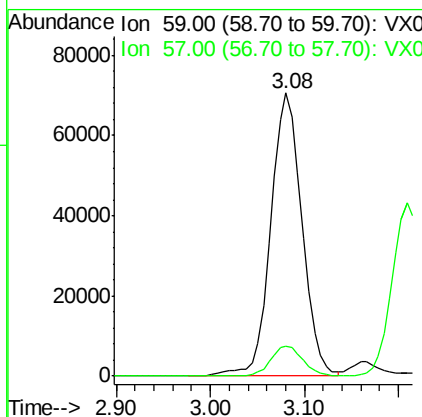
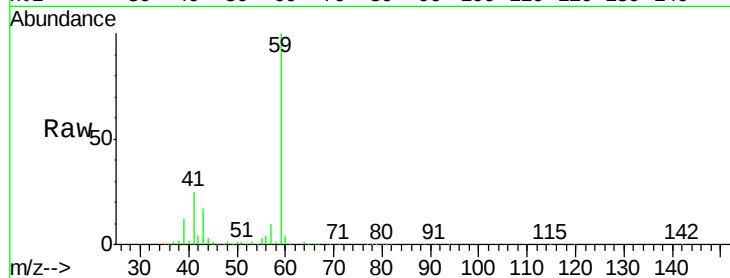
#11
Tert butyl alcohol
Concen: 286.77 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59.00	Resp	163603
Ion Ratio	100	Lower	Upper
59	100	8.2	12.2
57	10.6		

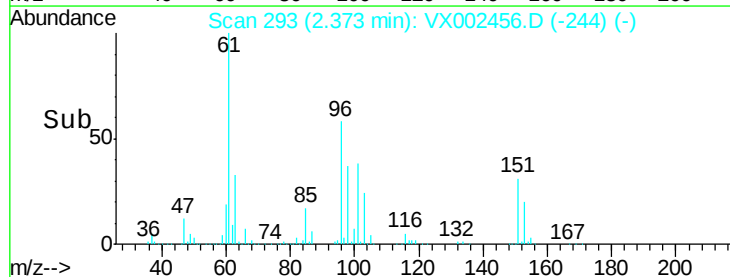
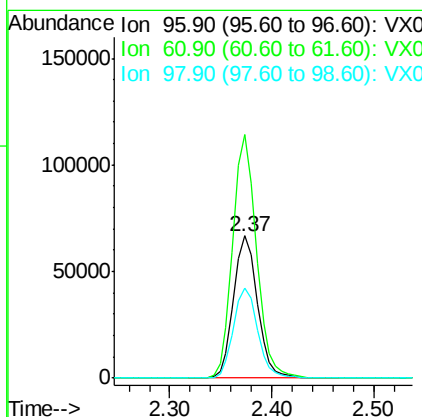
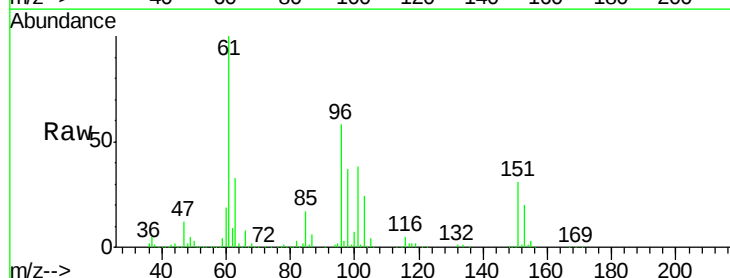
Manual Integrations
APPROVED

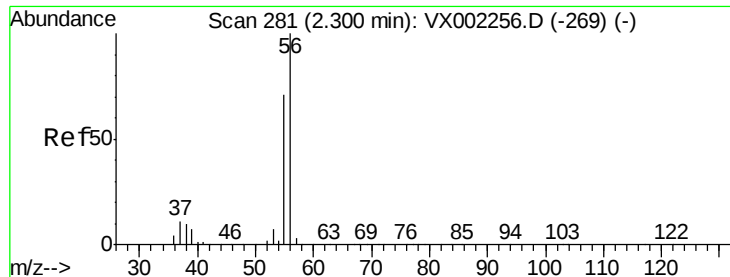
MMDadoda
6/12/2018 4:50:32 PM



#12
1,1-Dichloroethene
Concen: 51.70 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	96	Resp	108240
Ion Ratio	100	Lower	Upper
96	100	137.9	206.9
61	171.1	51.6	77.4
98	63.6		





#13

Acrolein

Concen: 237.45 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 66438

Ion Ratio Lower Upper

56 100

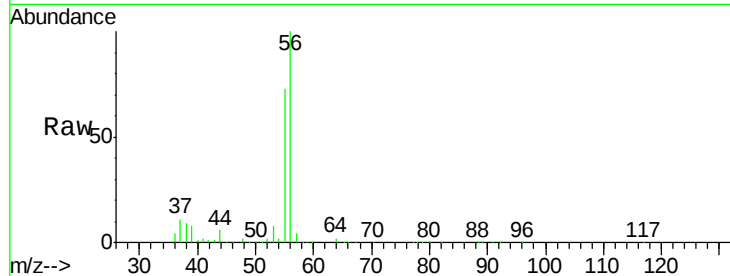
55 72.9 57.0 85.4

Manual Integrations

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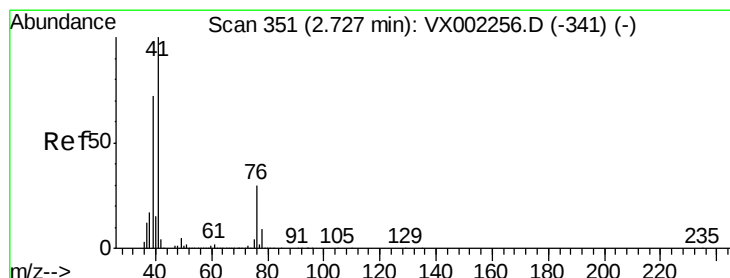
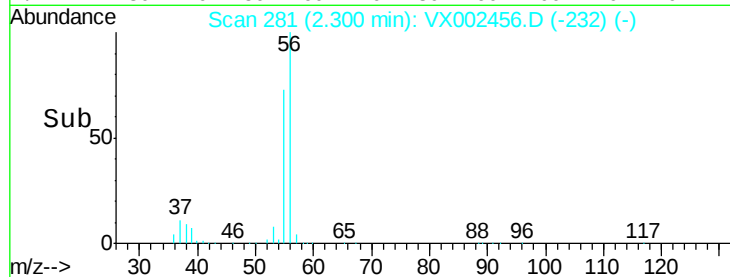
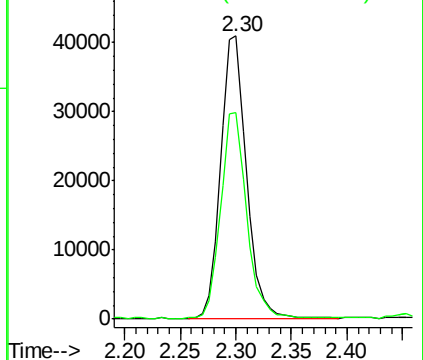
MMDadoda

6/12/2018 4:50:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.75 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

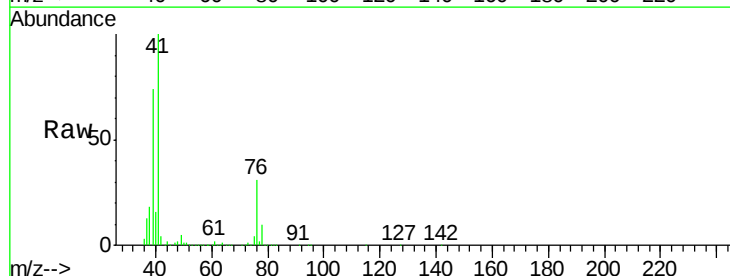
Tgt Ion: 41 Resp: 230591

Ion Ratio Lower Upper

41 100

39 72.1 56.8 85.2

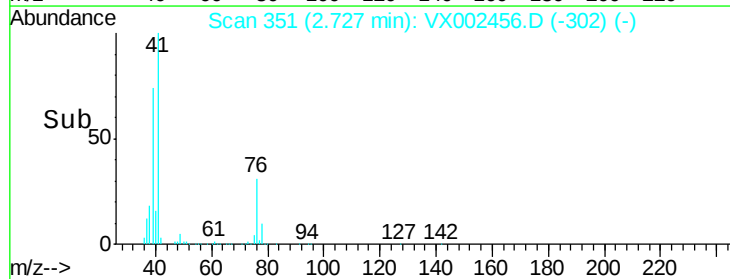
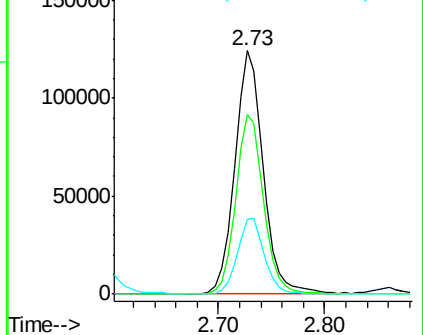
76 29.7 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 314.03 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

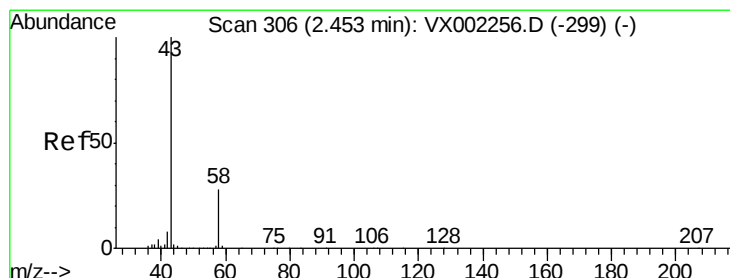
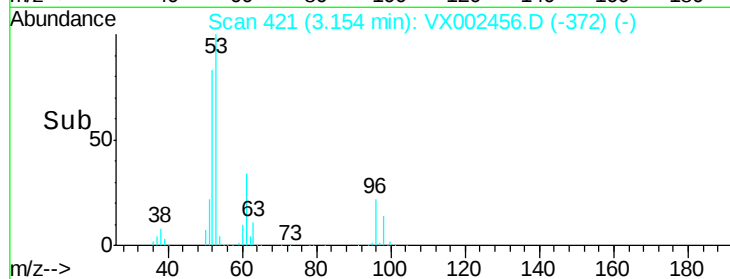
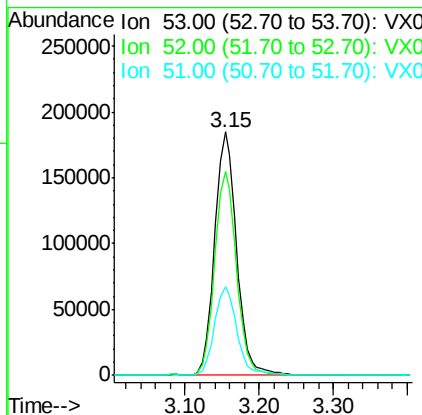
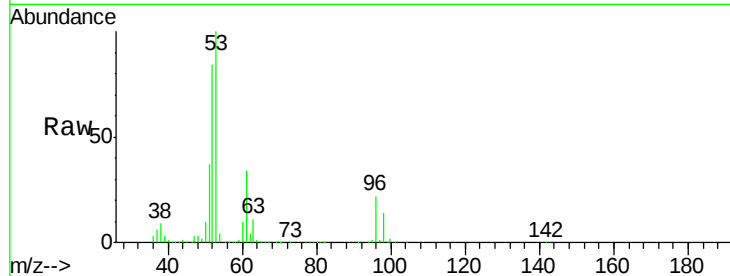
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	372881
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 286.68 ug/l

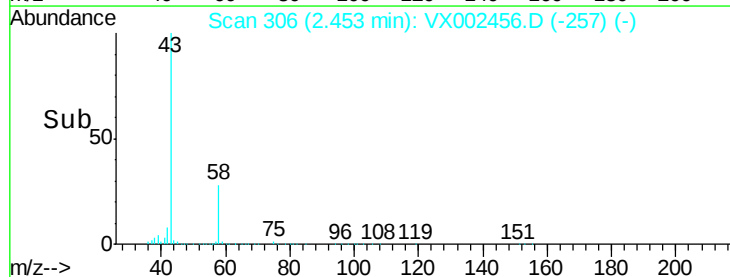
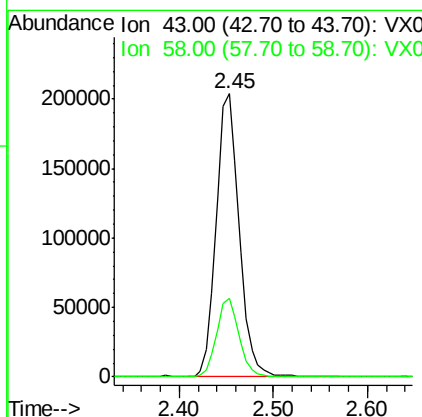
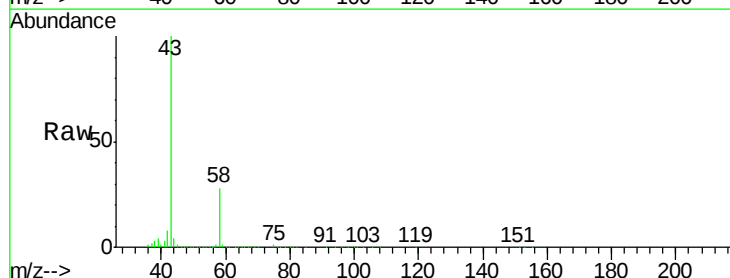
RT: 2.45 min Scan# 306

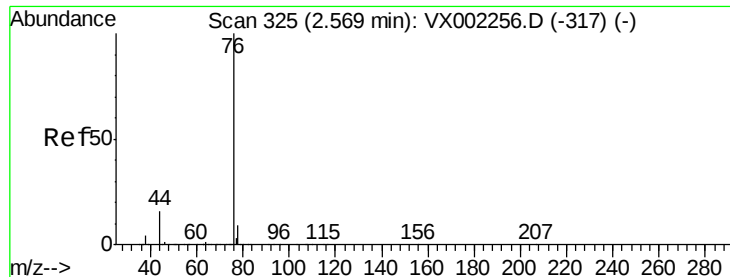
Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	43	Resp:	343324
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.1	33.1





#17

Carbon Disulfide

Concen: 45.04 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tot Ion: 76 Resp: 248498

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3

Instrument :

MSVOA_X

ClientSampleId :

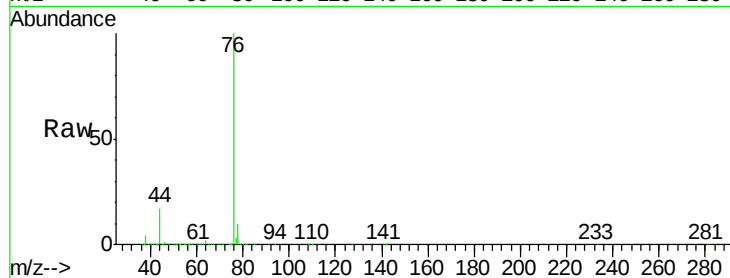
VSTDCCC050EC

Manual Integrations

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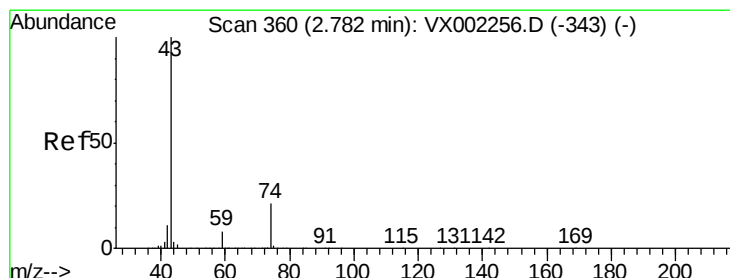
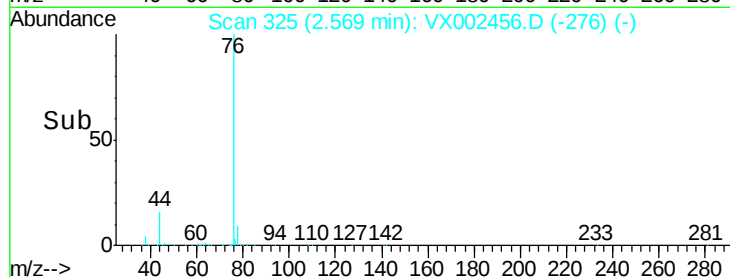
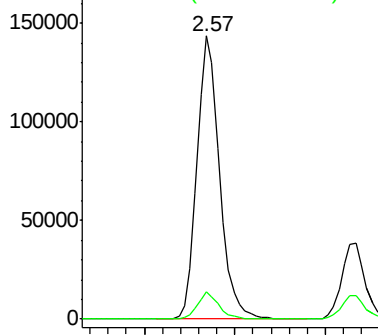
MMDadoda

6/12/2018 4:50:32 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 66.85 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002456.D

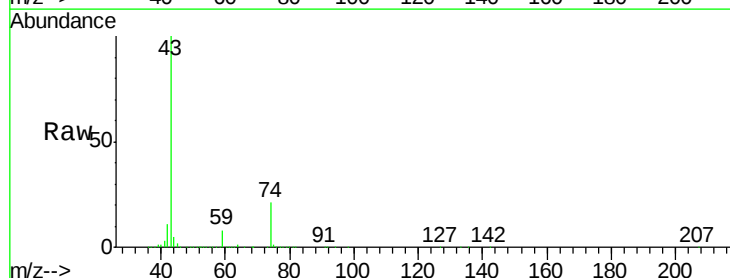
Acq: 11 Jun 2018 21:08

Tgt Ion: 43 Resp: 185783

Ion Ratio Lower Upper

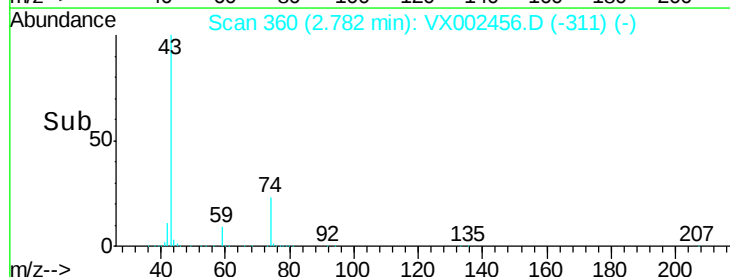
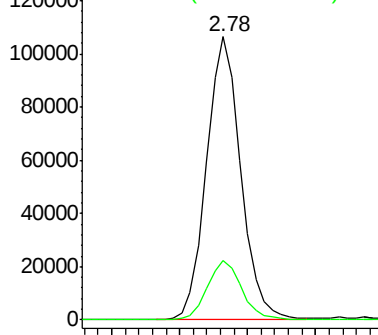
43 100

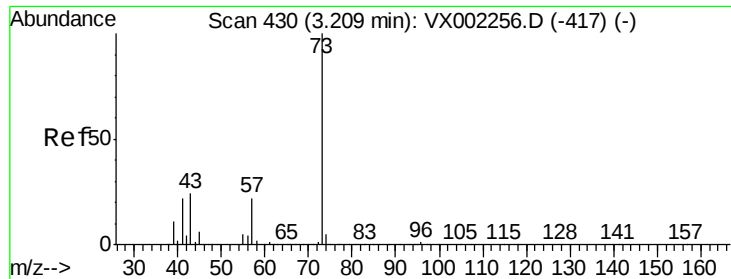
74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





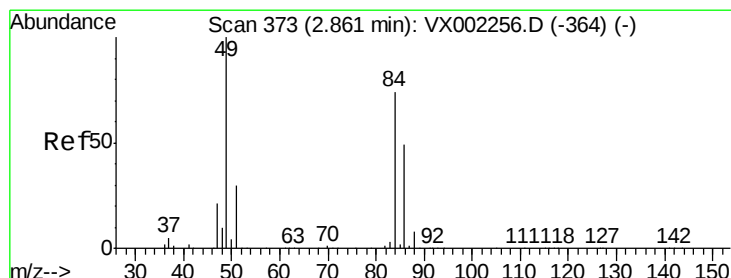
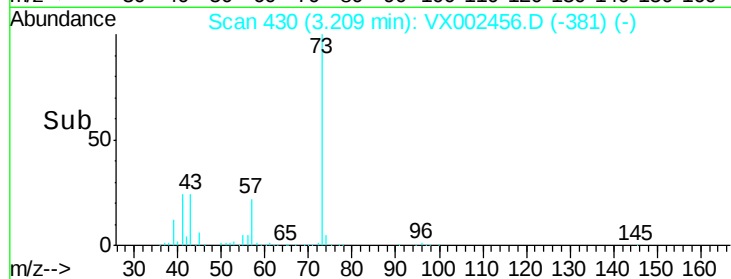
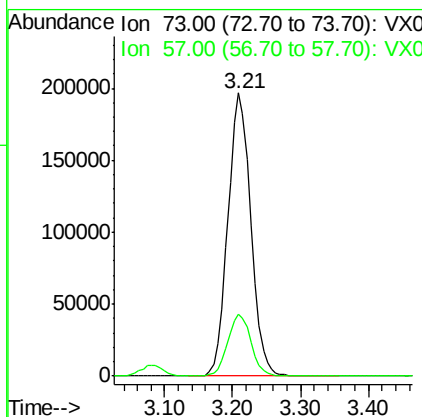
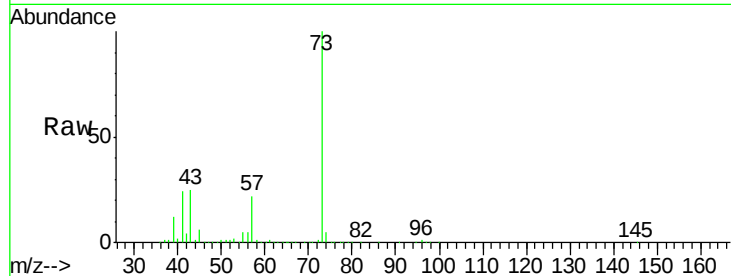
#19
Methyl tert-butyl Ether
Concen: 63.66 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

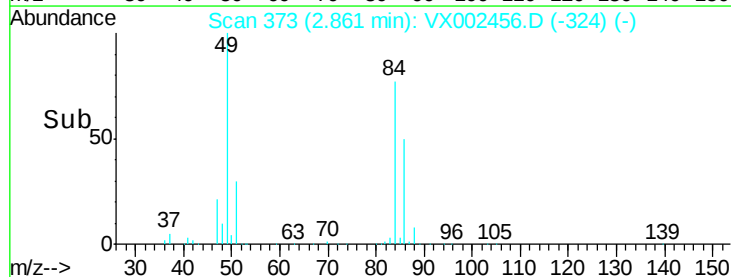
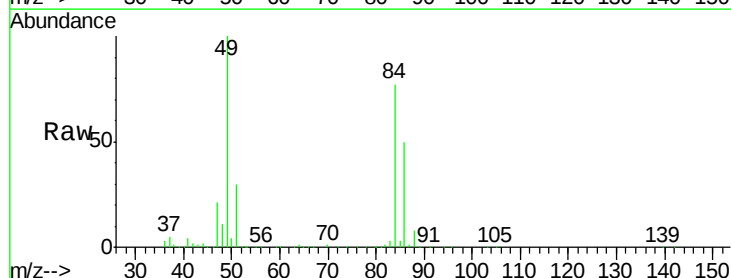
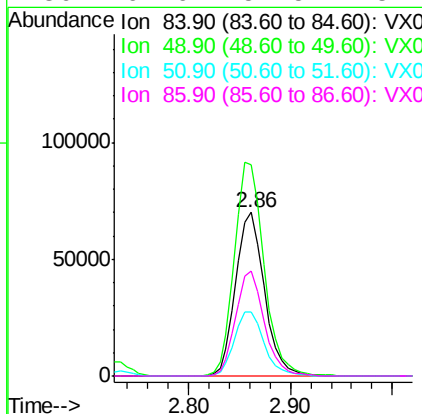
Manual Integrations
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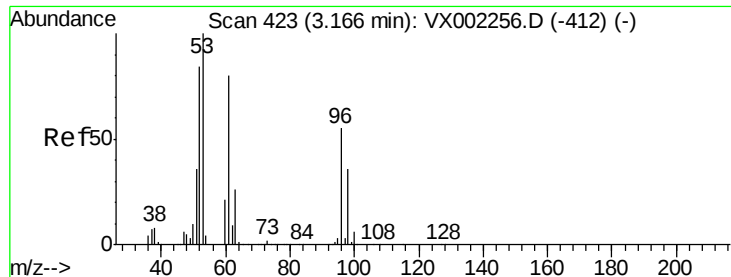
MMDadoda
6/12/2018 4:50:32 PM



#20
Methylene Chloride
Concen: 62.35 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.5	107.8	161.6
51	39.2	32.8	49.2
86	64.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 51.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

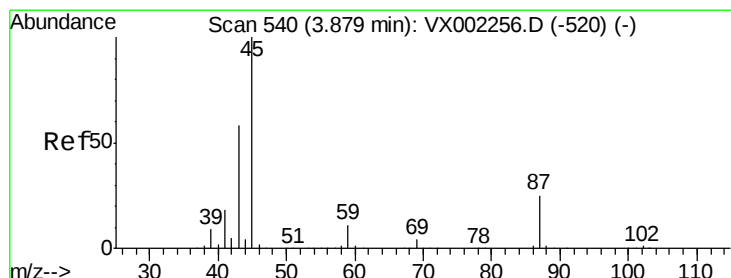
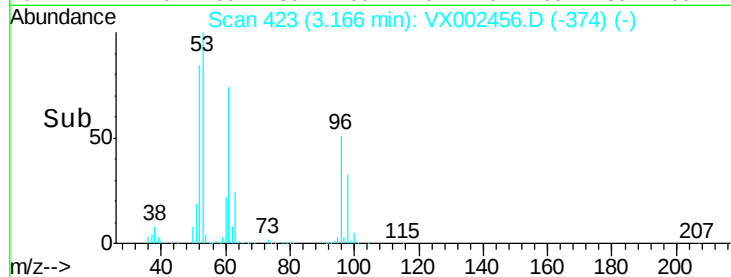
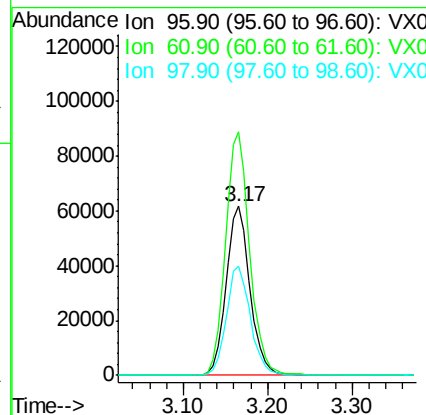
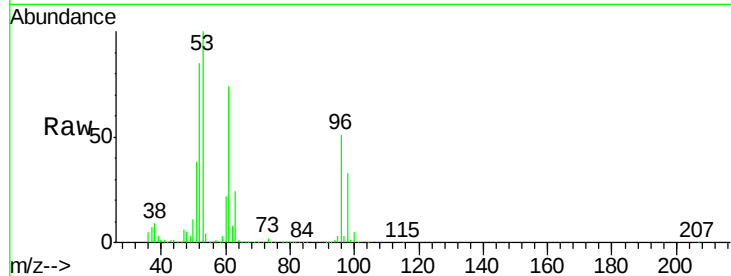
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	119760
Ion	Ratio	Lower	Upper
96	100		
61	143.9	117.0	175.4
98	64.6	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.93 ug/l

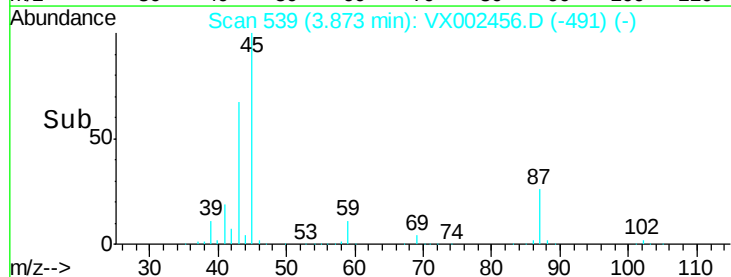
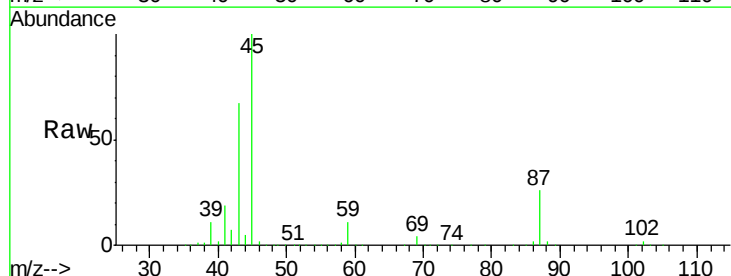
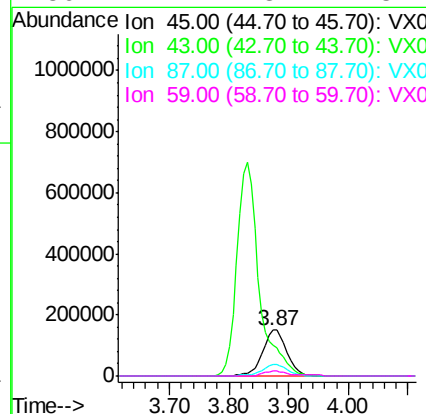
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	45	Resp:	423157
Ion	Ratio	Lower	Upper
45	100		
43	66.8	46.8	70.2
87	25.8	20.2	30.4
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 246.58 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1816070

Ion Ratio Lower Upper

43 100

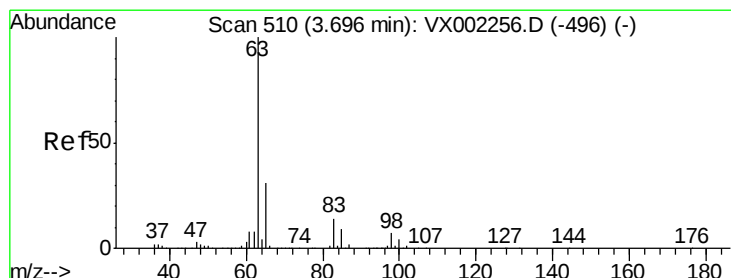
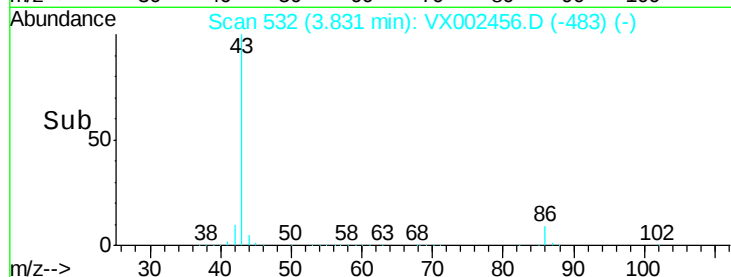
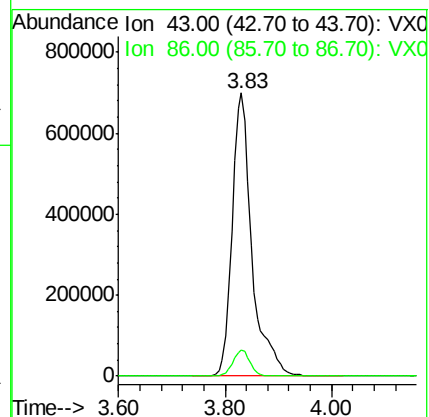
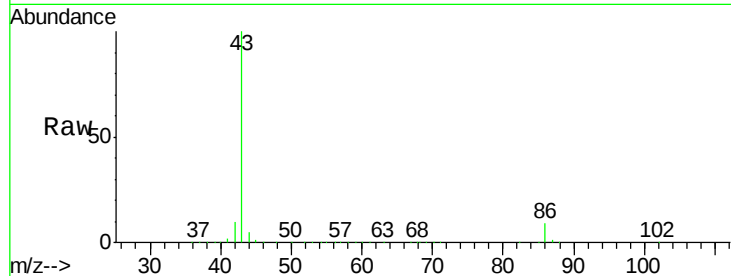
86 9.4 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.87 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

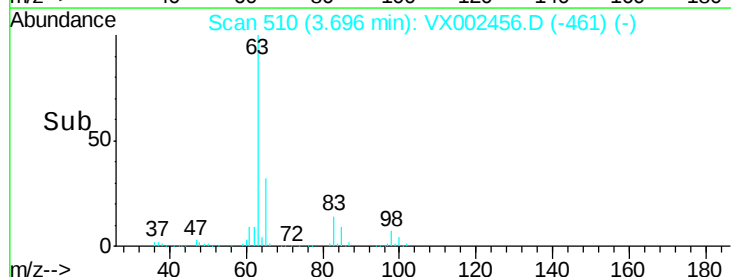
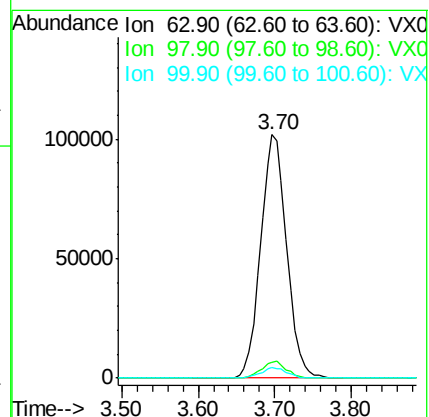
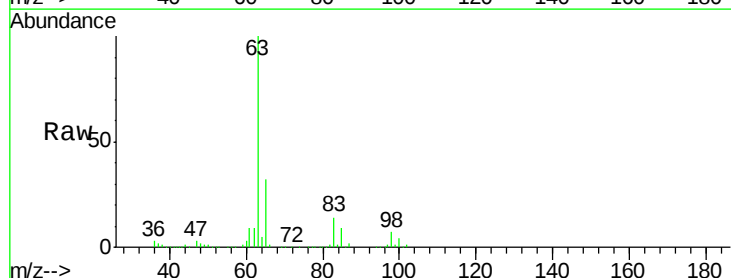
Tgt Ion: 63 Resp: 241897

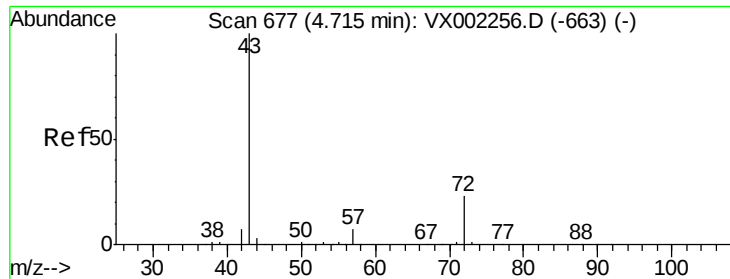
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 242.47 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 467539

Ion Ratio Lower Upper

43 100

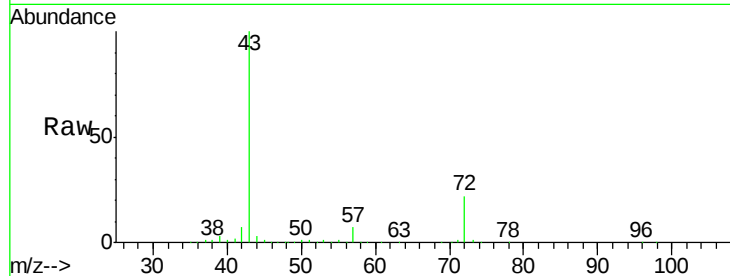
72 22.4 18.5 27.7

Manual Integrations

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6/12/2018 4:50:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

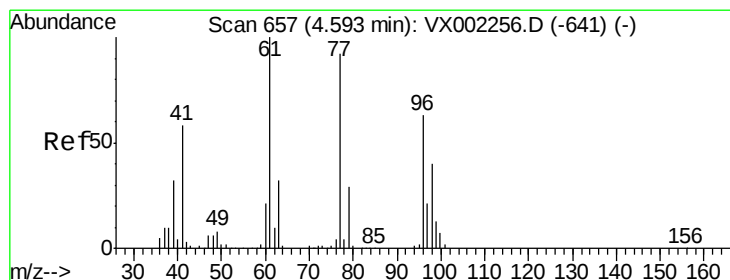
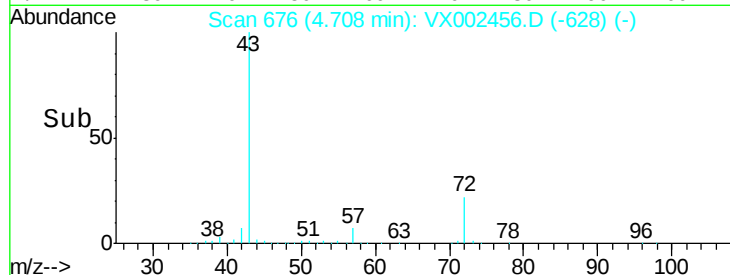
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 40.71 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002456.D

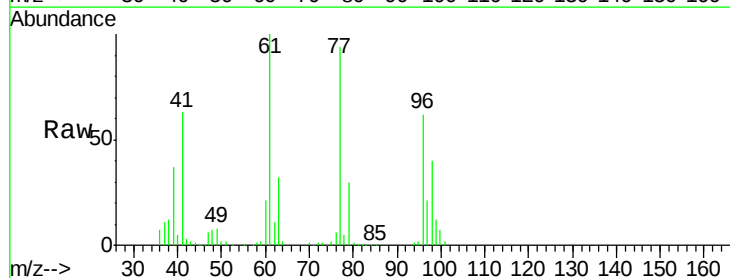
Acq: 11 Jun 2018 21:08

Tgt Ion: 77 Resp: 142905

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

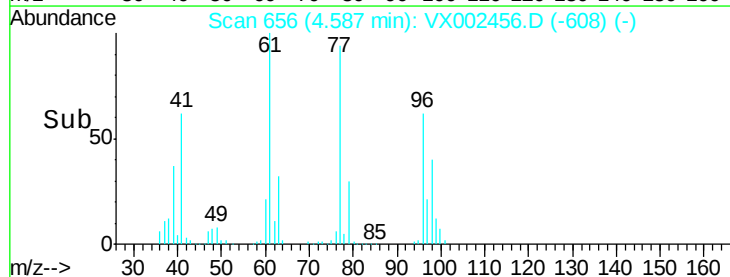
30000

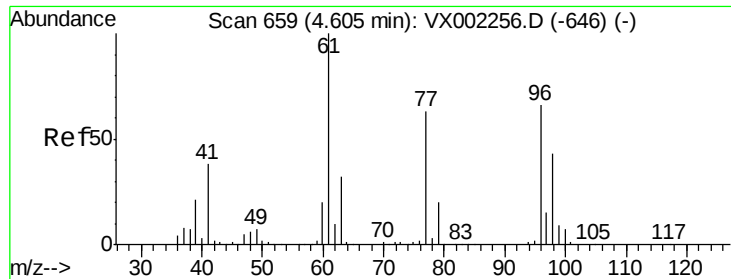
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

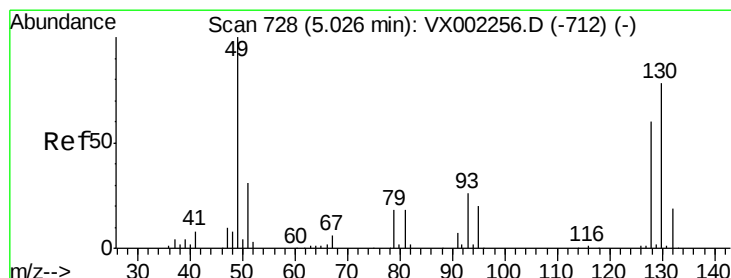
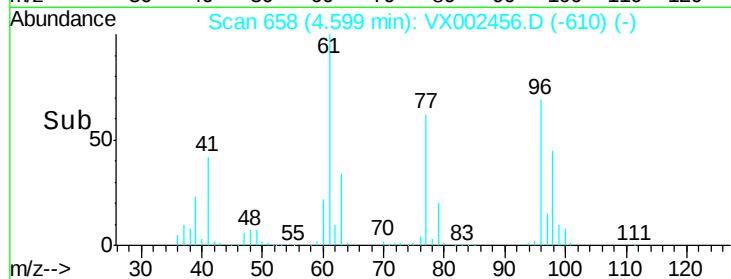
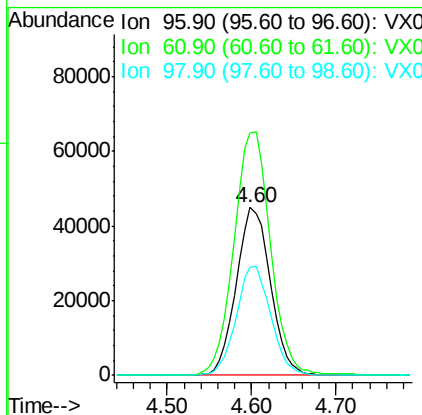
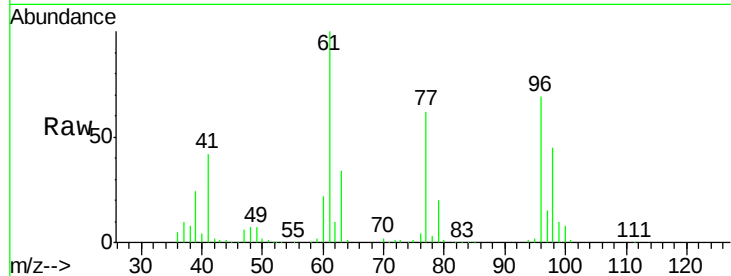
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123743
Ion Ratio	Lower	Upper	
96	100		
61	155.4	0.0	330.2
98	65.5	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 59.96 ug/l

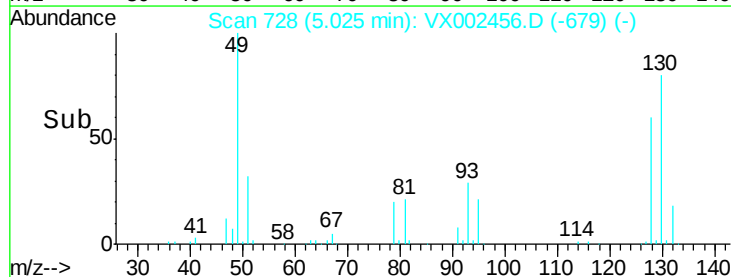
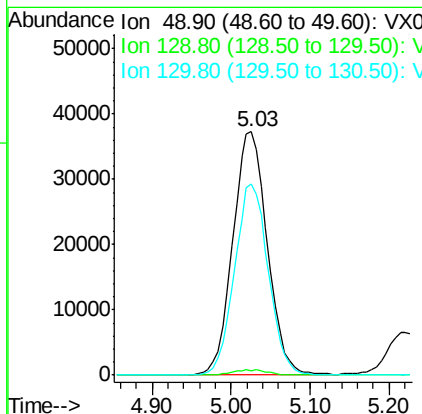
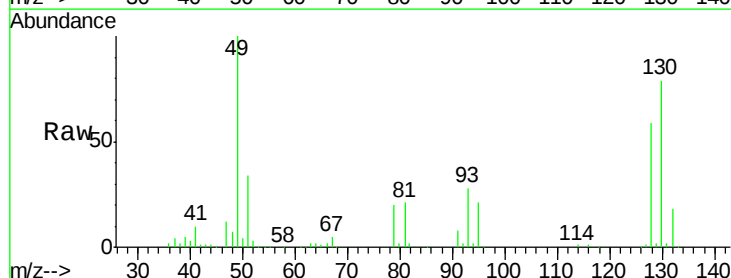
RT: 5.03 min Scan# 728

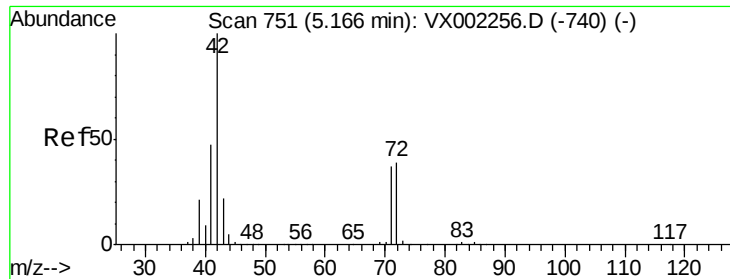
Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	49	Resp:	113158
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	77.1	61.2	91.8





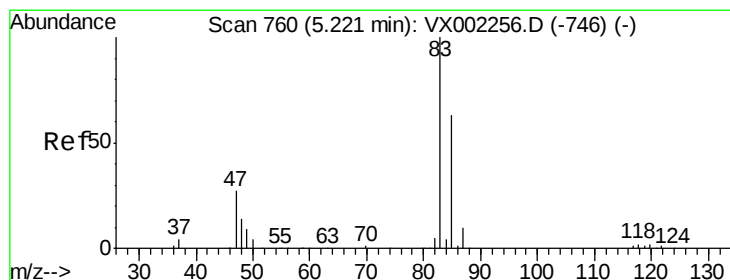
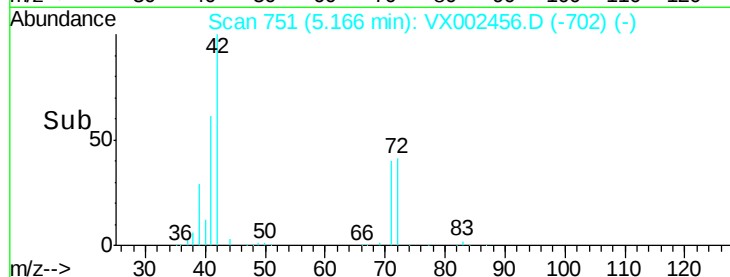
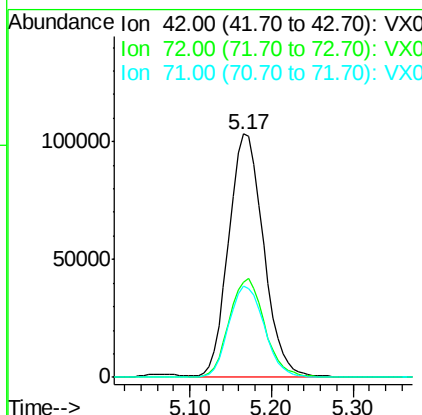
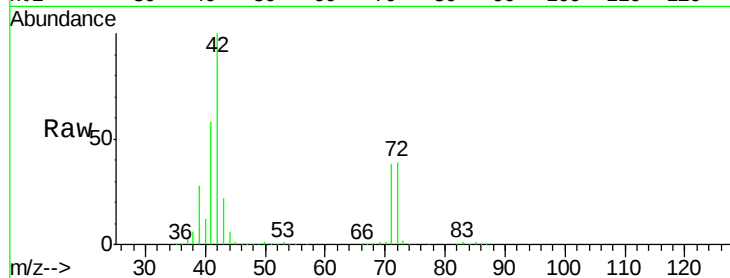
#29
Tetrahydrofuran
Concen: 245.35 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.0	48.0
71	38.4	30.1	45.1

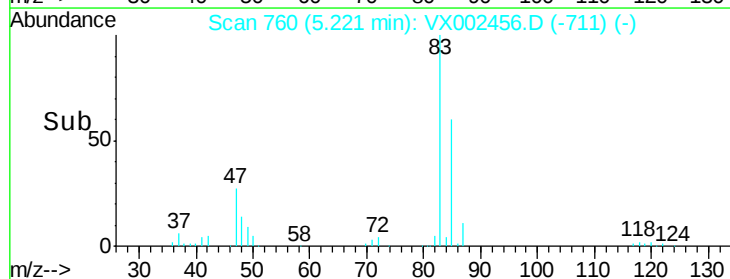
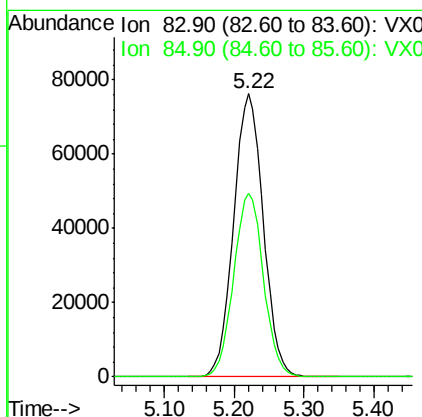
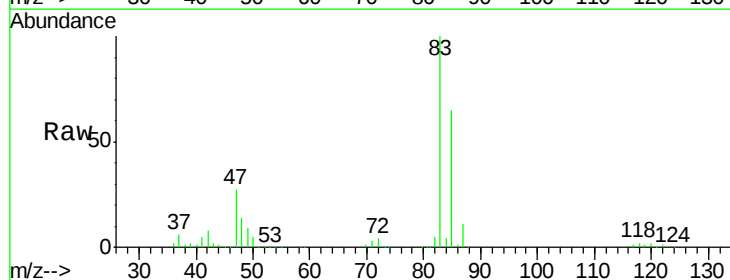
Manual Integrations
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#30
Chloroform
Concen: 51.88 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





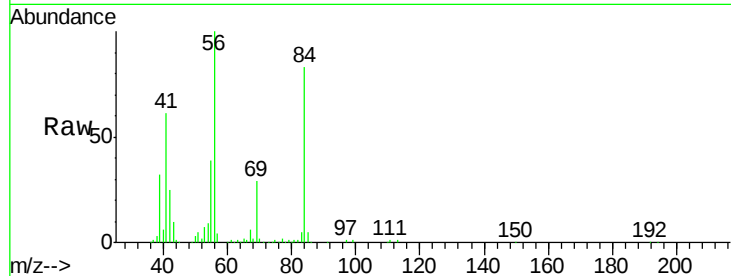
#31
Cyclohexane
Concen: 45.51 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.7	35.5
84	80.7	64.1	96.1

Manual Integrations
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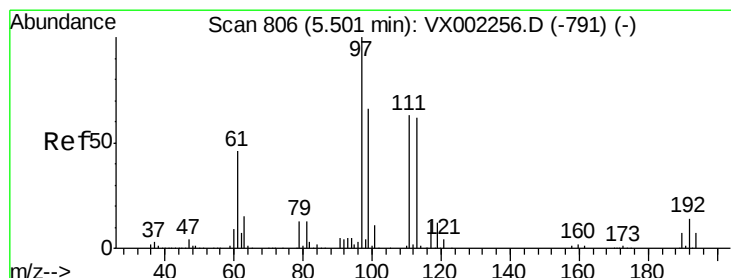
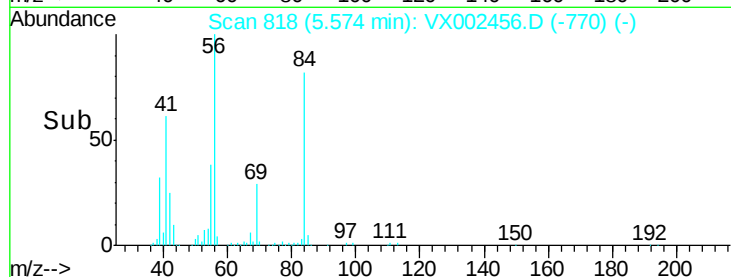
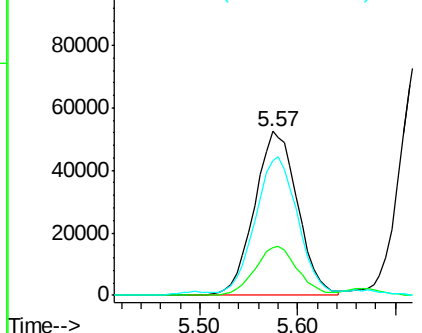


Abundance

Ion 56.00 (55.70 to 56.70): VX0

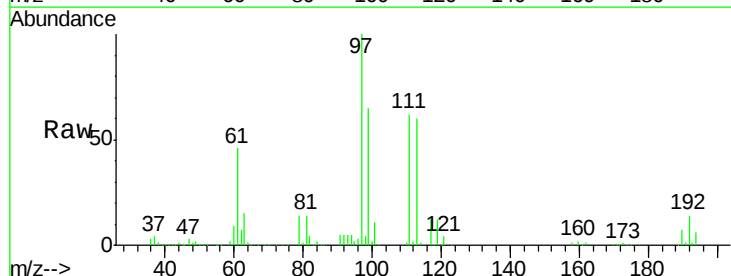
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32
1,1,1-Trichloroethane
Concen: 50.31 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	46.5	36.4	54.6

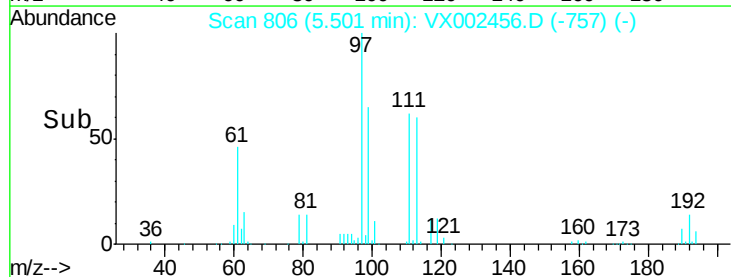
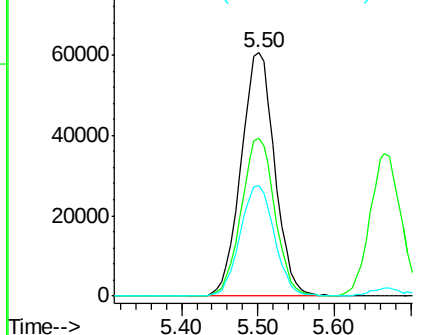


Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 142151

Ion Ratio Lower Upper

65 100

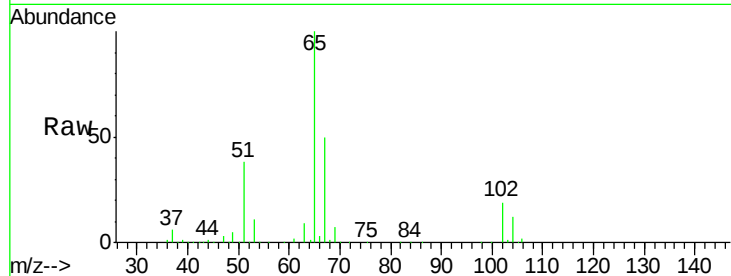
67 52.0 0.0 102.6

Manual Integrations

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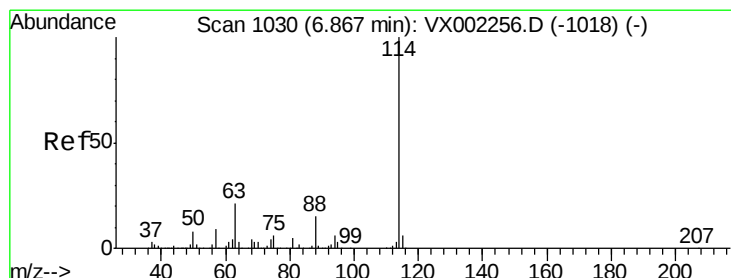
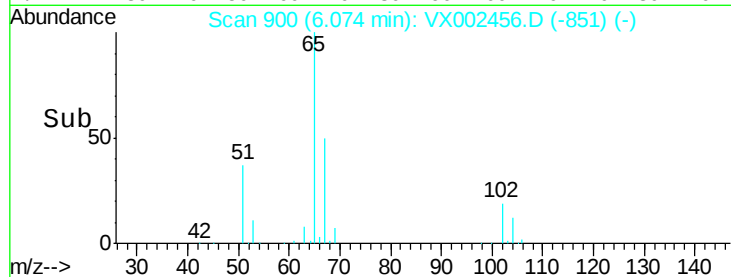
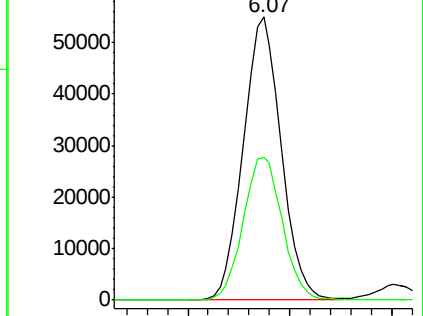
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

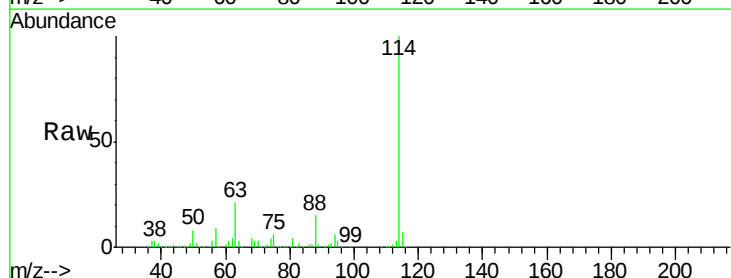
Tgt Ion: 114 Resp: 303604

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

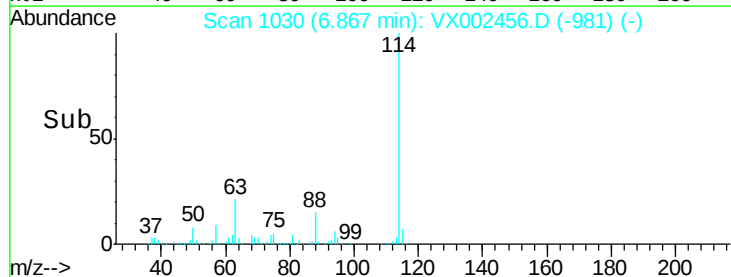
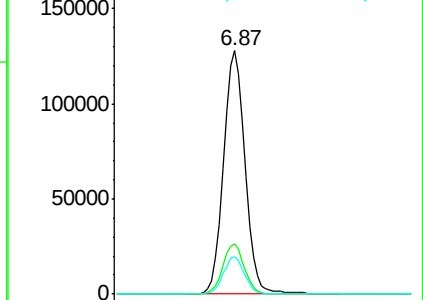
88 15.4 0.0 30.0

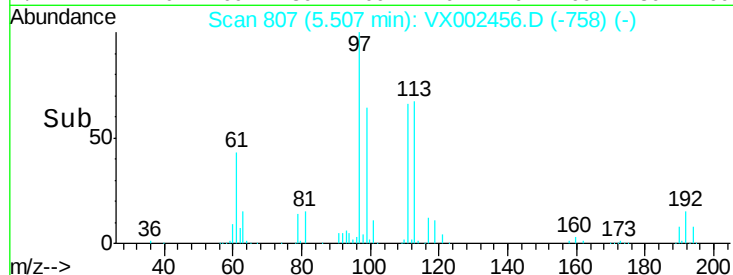
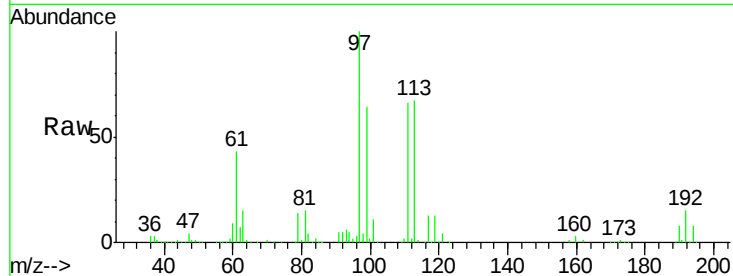


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





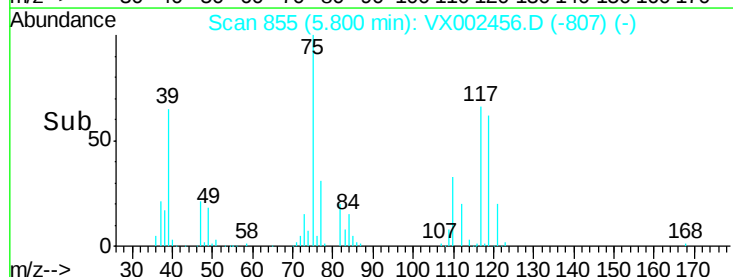
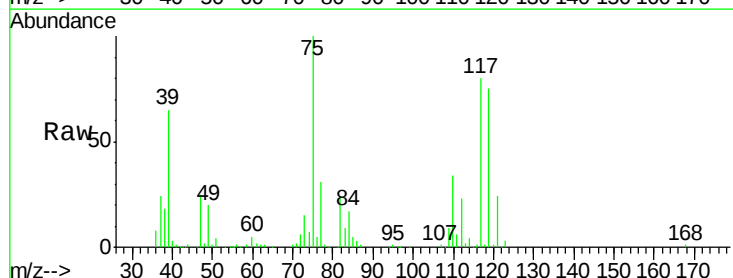
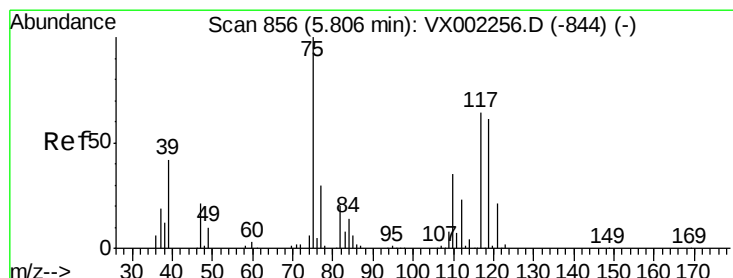
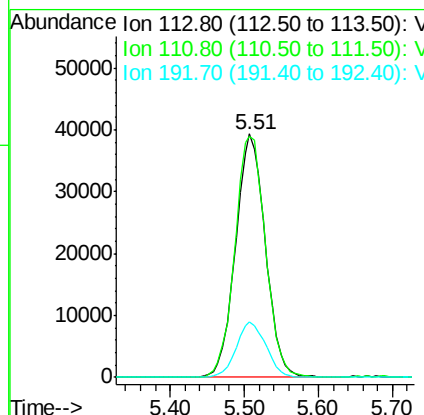
#35
Dibromofluoromethane
Concen: 46.08 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110030		
111	102.1	81.4	122.0	
192	22.8	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

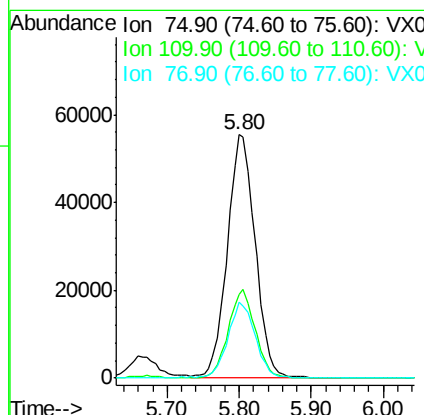
Manual Integrations
APPROVED

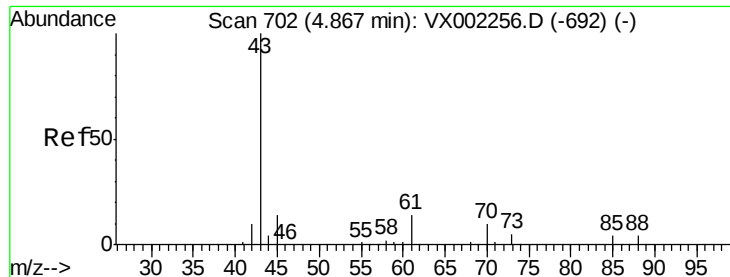
MMDadoda
6/12/2018 4:50:32 PM



#36
1,1-Dichloropropene
Concen: 46.69 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149010		
110	35.1	18.1	54.4	
77	30.3	24.3	36.5	





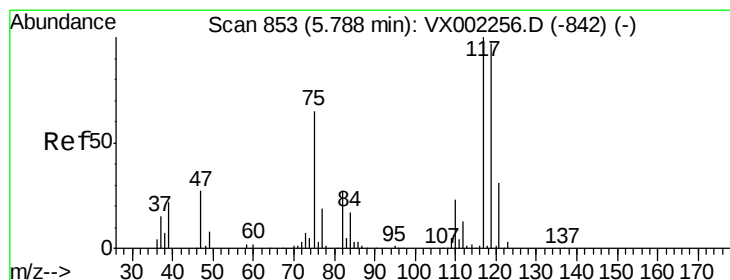
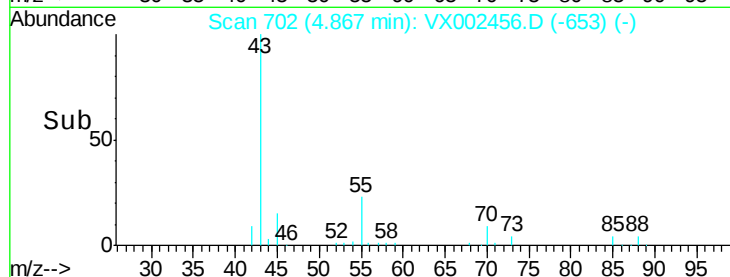
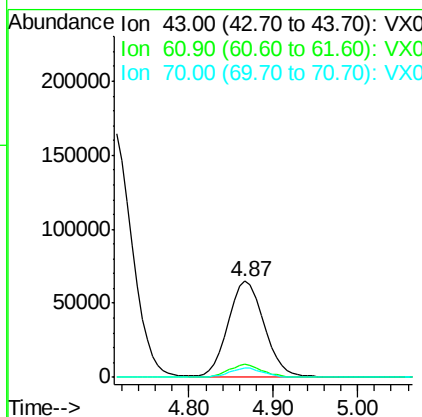
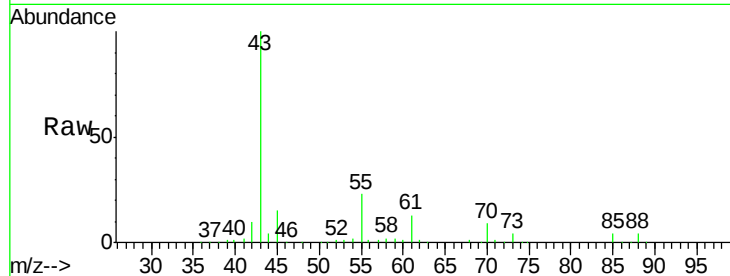
#37
Ethyl Acetate
Concen: 49.53 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	190115
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.2	7.6	11.4

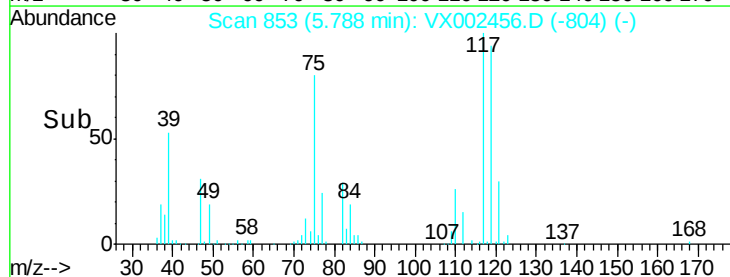
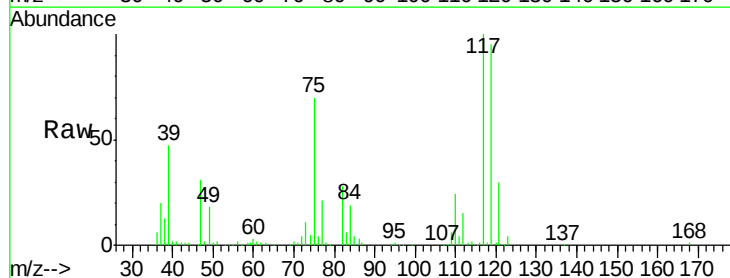
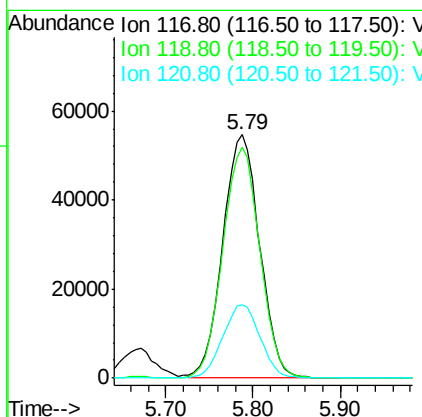
Manual Integrations
APPROVED

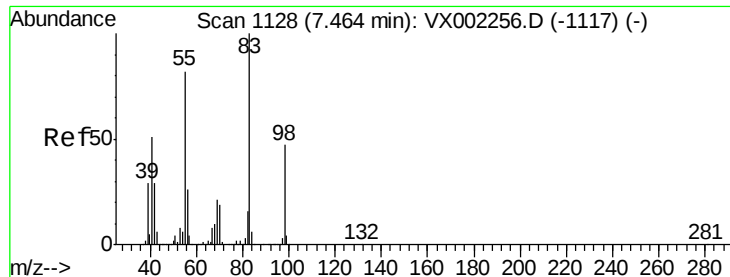
MMDadoda
6/12/2018 4:50:32 PM



#38
Carbon Tetrachloride
Concen: 47.95 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	117	Resp	160117
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.0
121	30.1	24.4	36.6





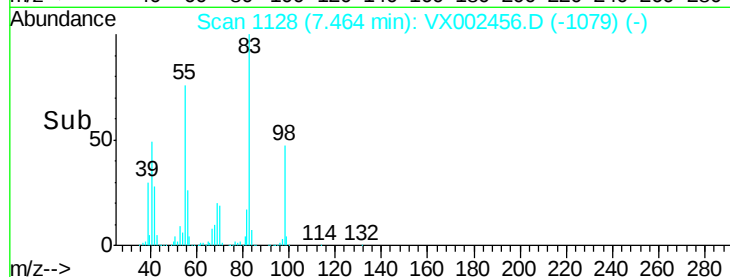
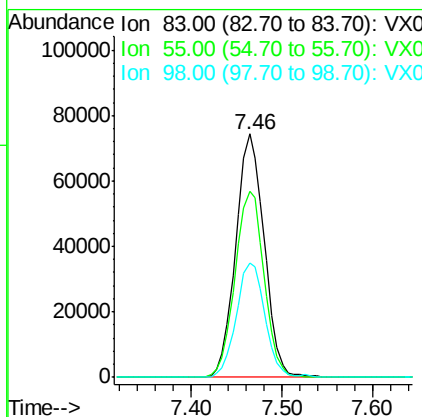
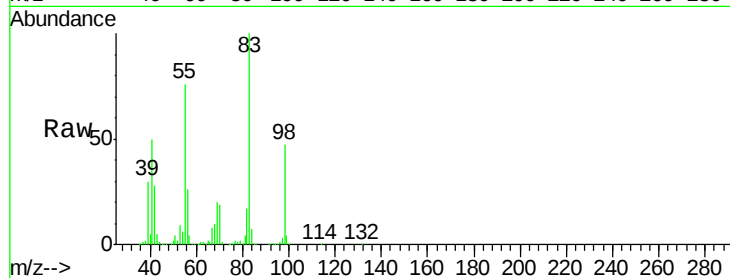
#39
Methvlcvclohexane
Concen: 41.08 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	65.4	98.0
98	47.1	37.4	56.0

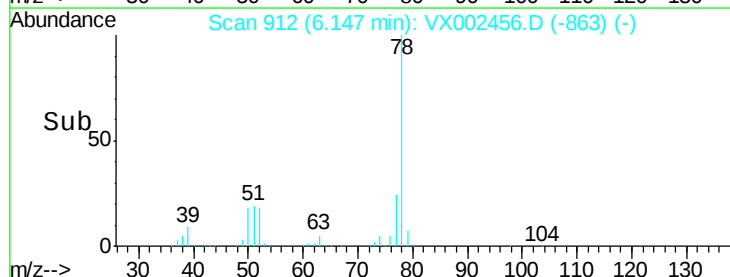
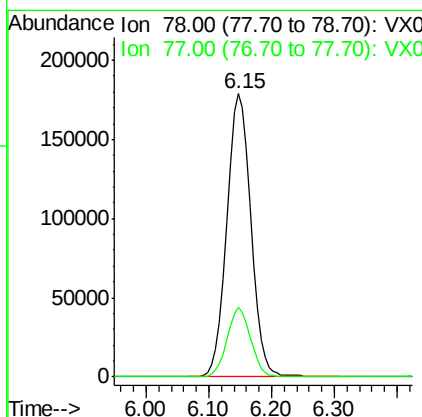
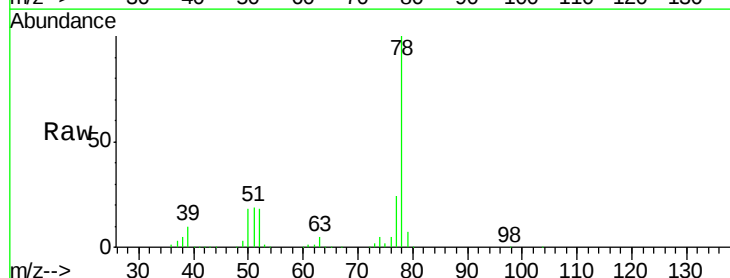
Manual Integrations
APPROVED

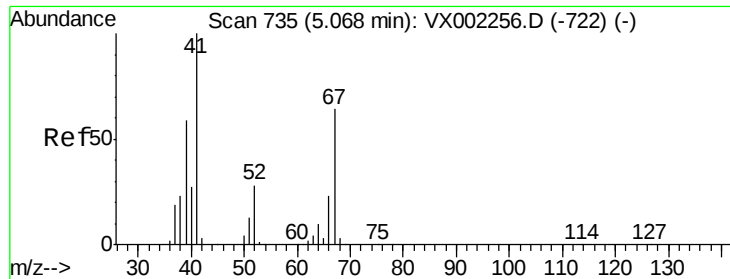
MMDadoda
6/12/2018 4:50:32 PM



#40
Benzene
Concen: 48.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





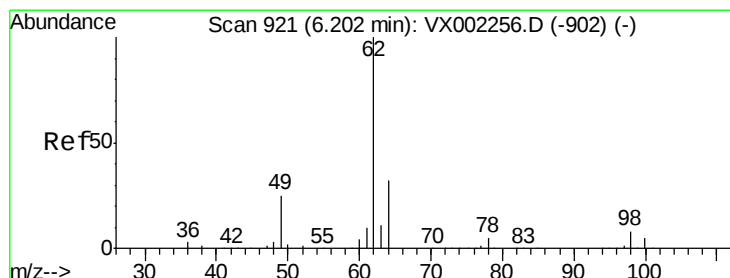
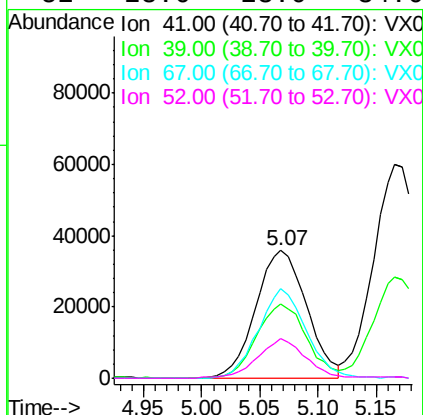
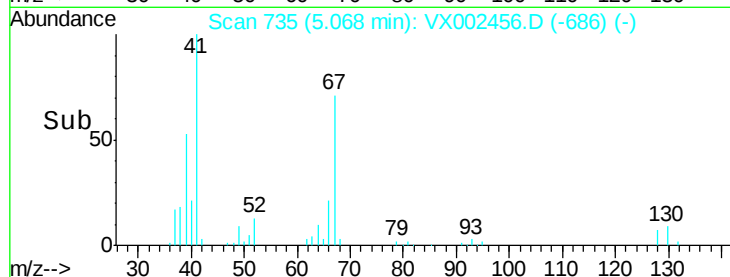
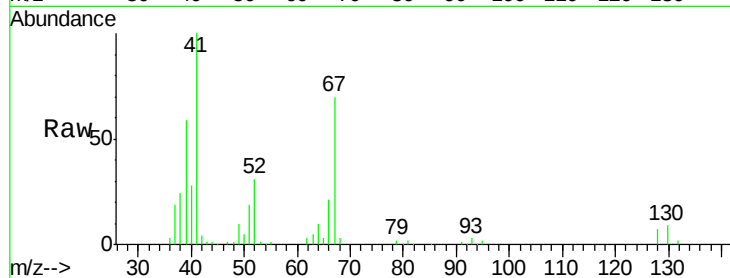
#41
Methacrylonitrile
Concen: 49.19 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	45.8	68.6	
67	65.9	51.3	76.9	
52	28.6	23.0	34.6	

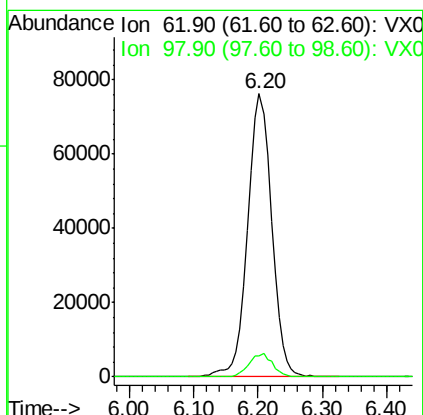
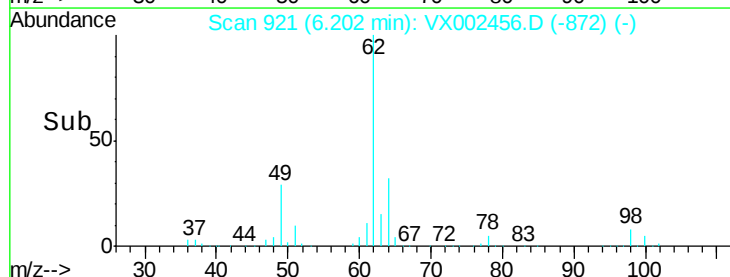
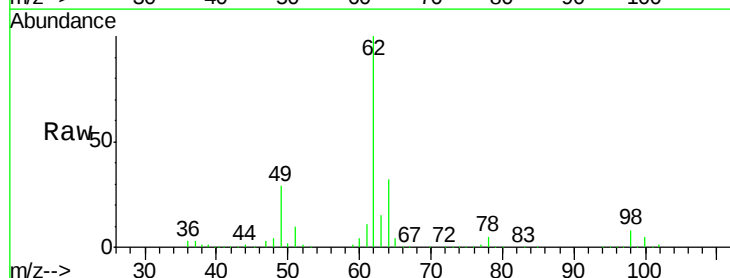
Manual Integrations
APPROVED

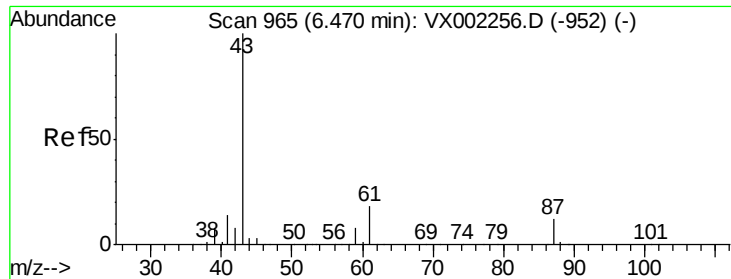
MMDadoda
6/12/2018 4:50:32 PM



#42
1,2-Dichloroethane
Concen: 50.01 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





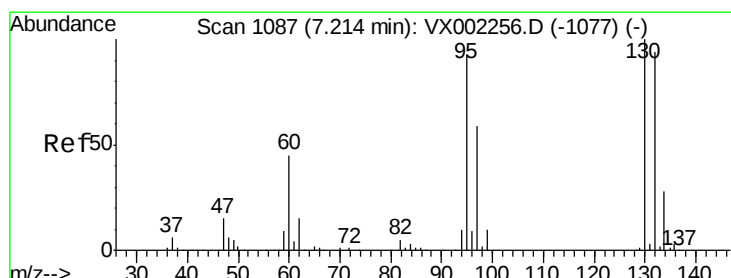
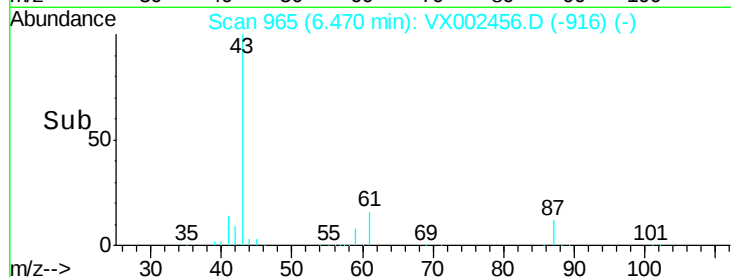
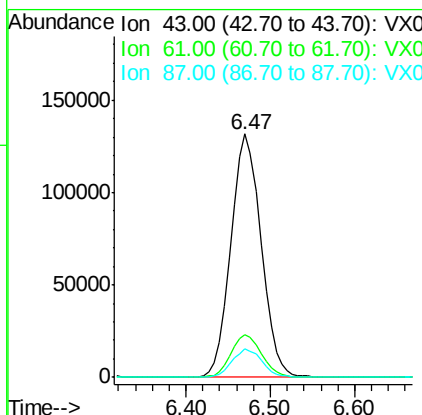
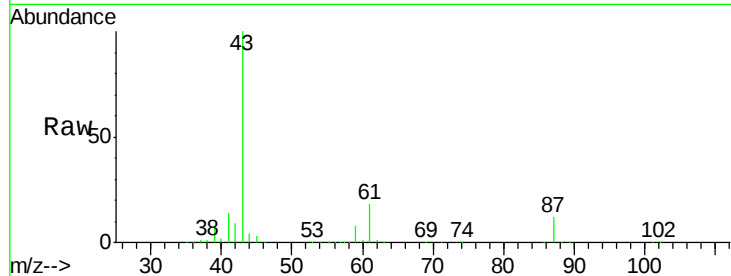
#43
Isopropyl Acetate
Concen: 49.13 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	11.7	9.5	14.3

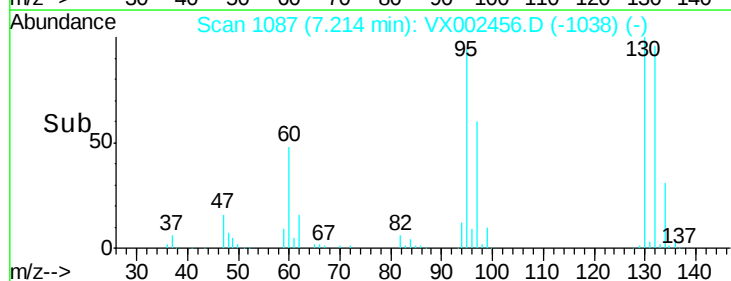
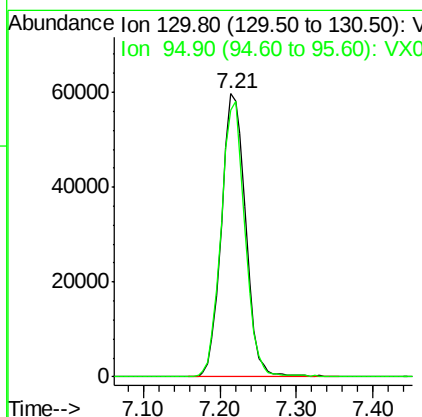
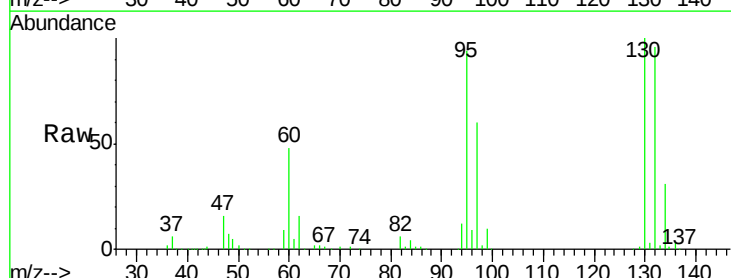
Manual Integrations
APPROVED

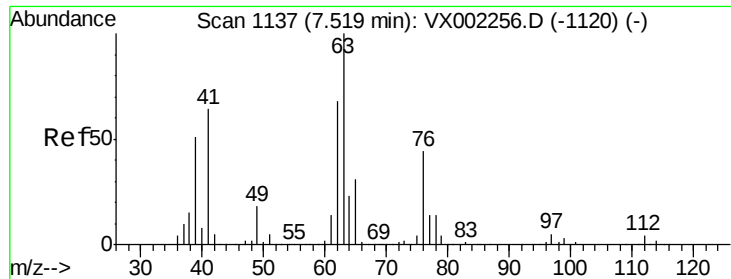
MMDadoda
6/12/2018 4:50:32 PM



#44
Trichloroethene
Concen: 48.18 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.88 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 131789

Ion Ratio Lower Upper

63 100

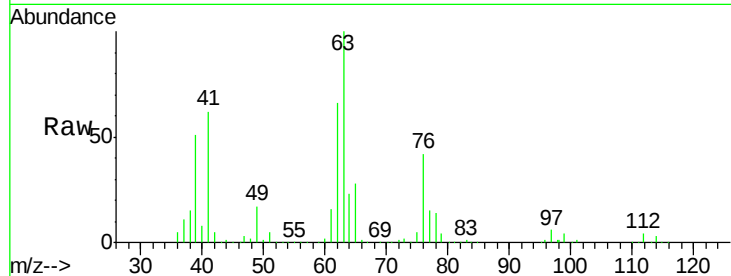
65 28.2 24.7 37.1

Manual Integrations

APPROVED

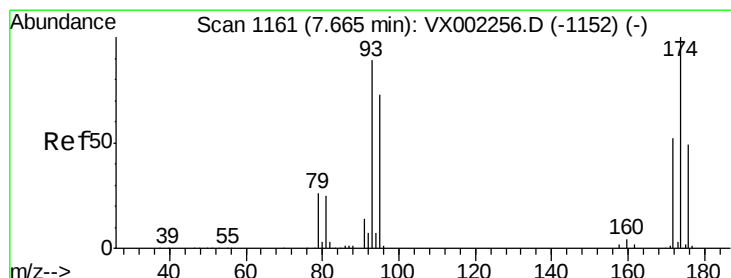
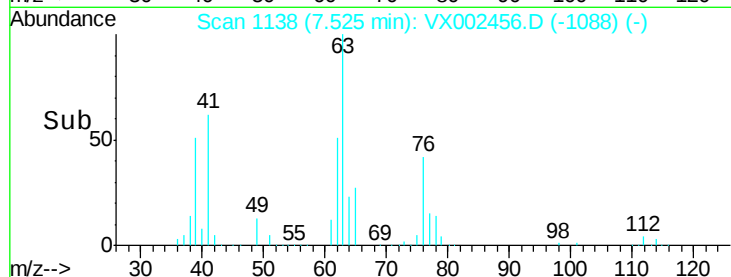
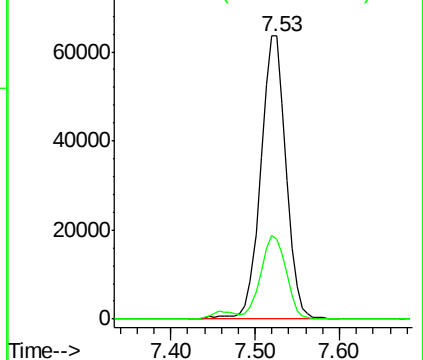
MMDadoda

6/12/2018 4:50:32 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.59 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

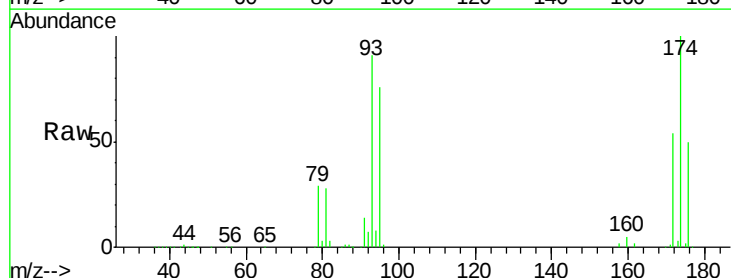
Tgt Ion: 93 Resp: 88816

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

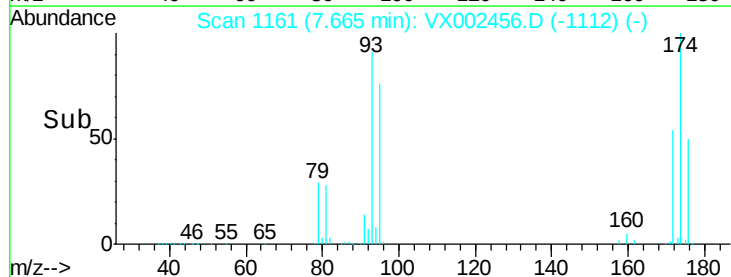
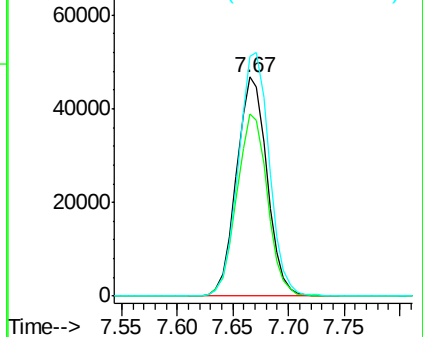
174 113.1 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

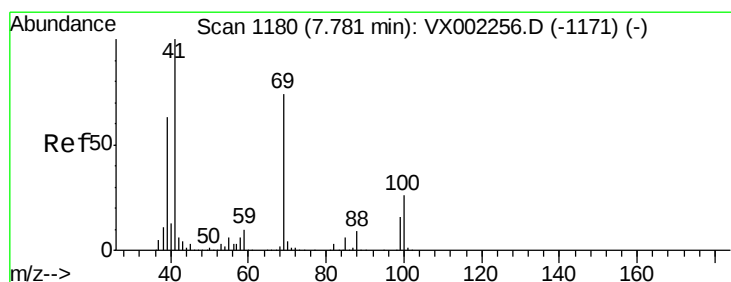
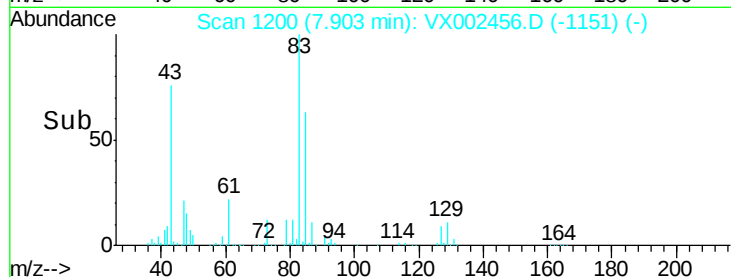
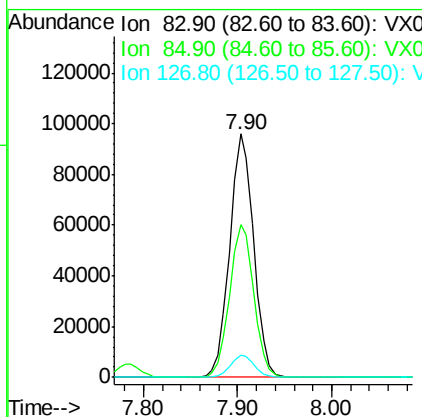
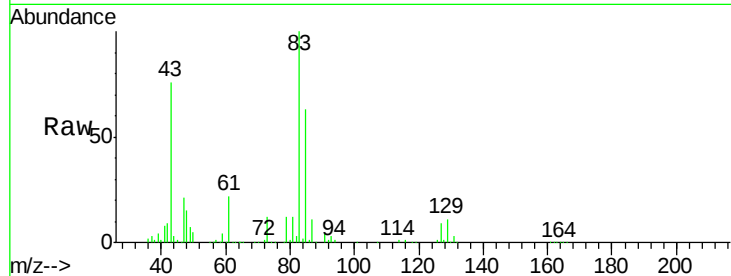
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168895
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.17 ug/l

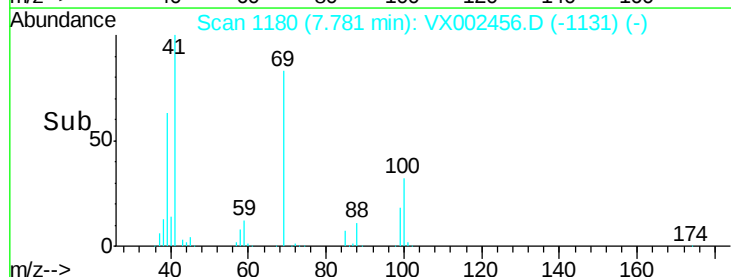
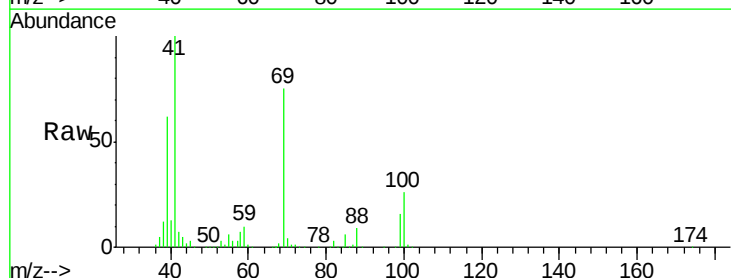
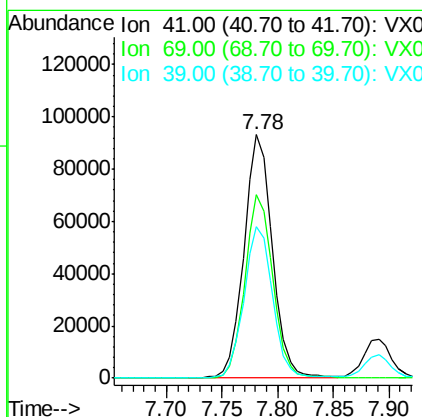
RT: 7.78 min Scan# 1180

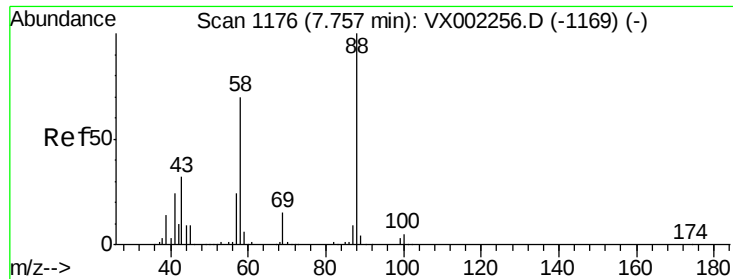
Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	41	Resp:	164289
Ion Ratio	Lower	Upper	
41	100		
69	75.3	59.1	88.7
39	62.7	48.9	73.3





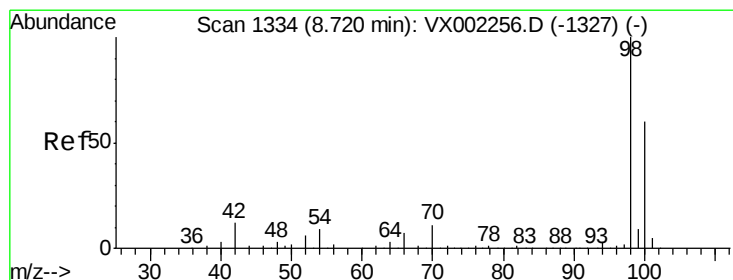
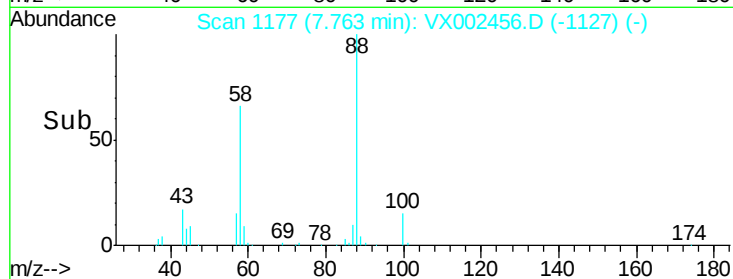
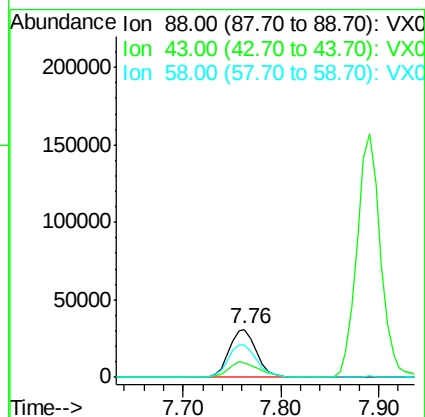
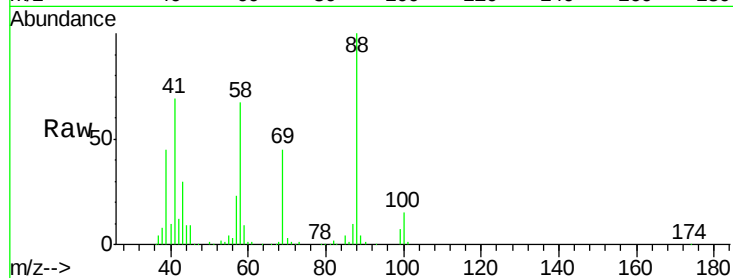
#49
1,4-Dioxane
Concen: 972.76 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.8	44.6
58	71.9	57.1	85.7

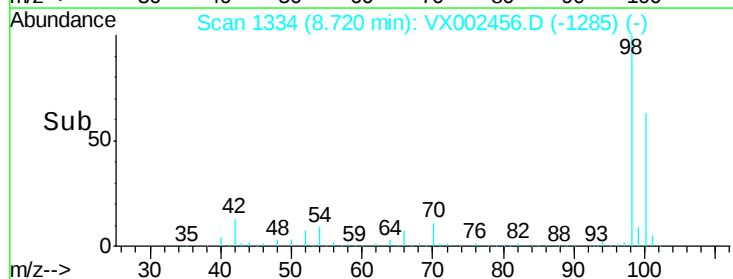
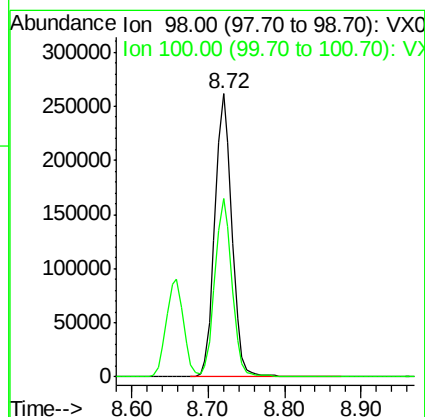
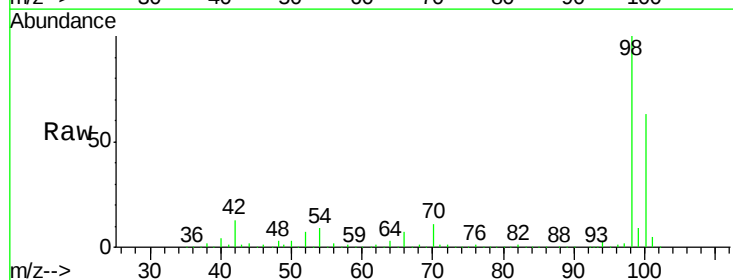
Manual Integrations
APPROVED

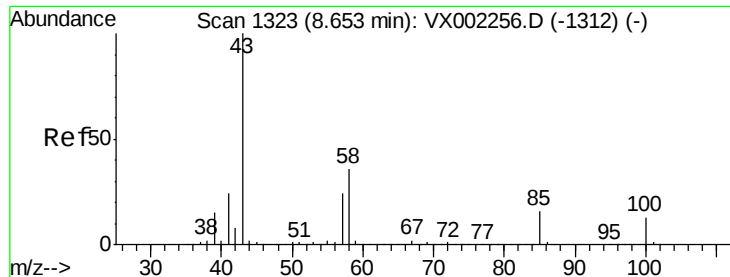
MMDadoda
6/12/2018 4:50:32 PM



#50
Toluene-d8
Concen: 44.22 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 257.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1044315

Ion Ratio Lower Upper

43 100

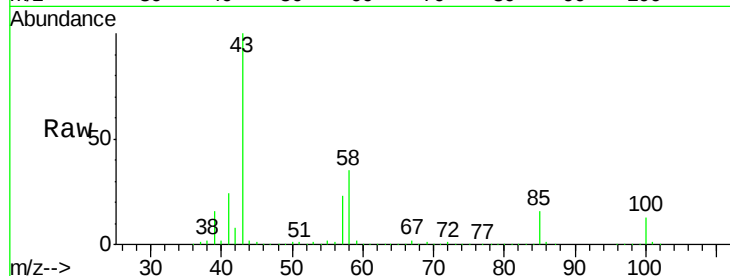
58 35.4 28.6 42.8

Manual Integrations

APPROVED

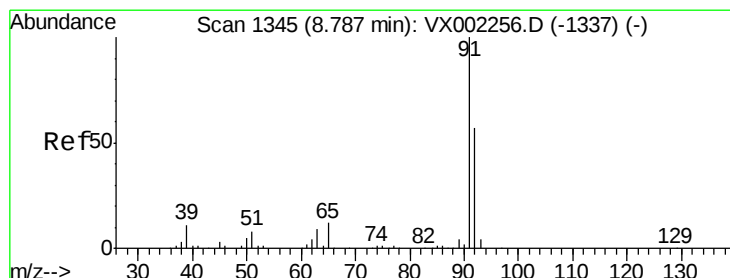
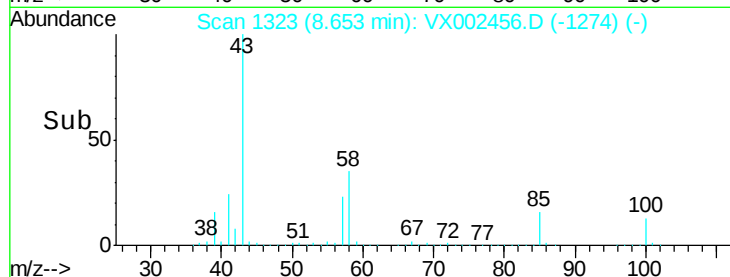
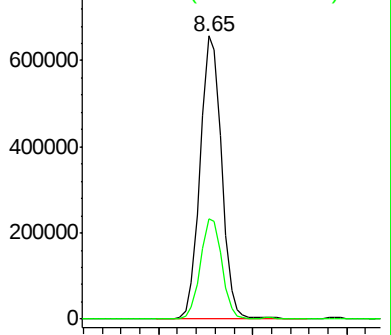
MMDadoda

6/12/2018 4:50:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.03 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002456.D

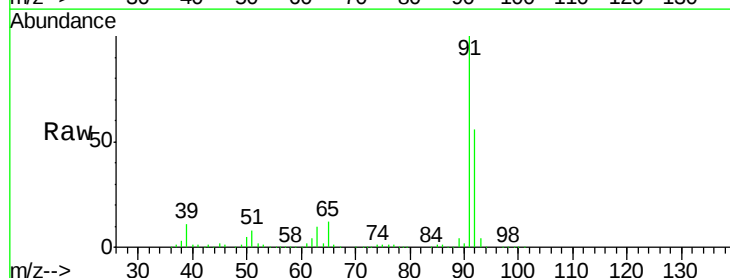
Acq: 11 Jun 2018 21:08

Tgt Ion: 92 Resp: 311388

Ion Ratio Lower Upper

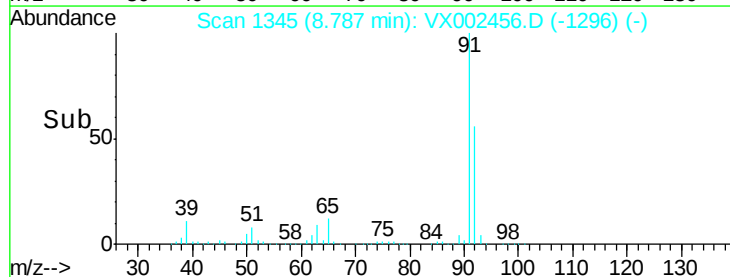
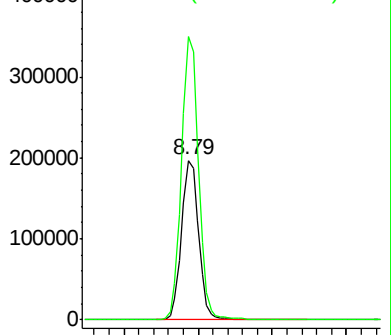
92 100

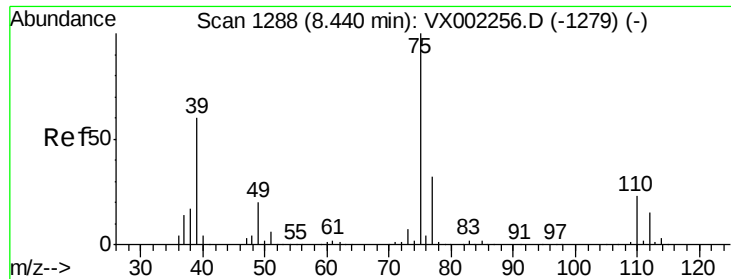
91 176.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





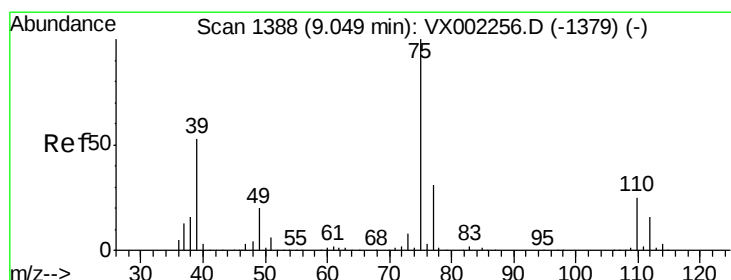
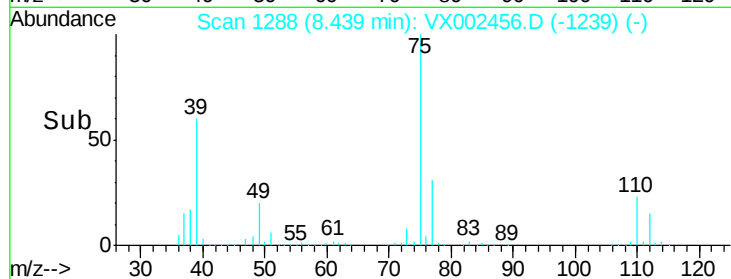
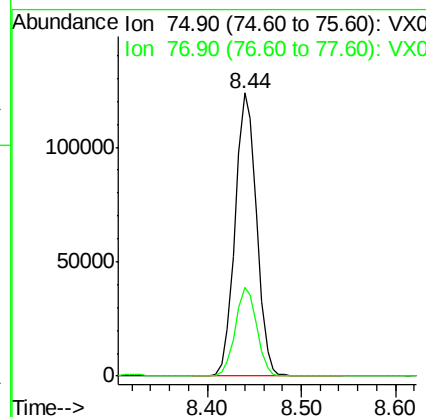
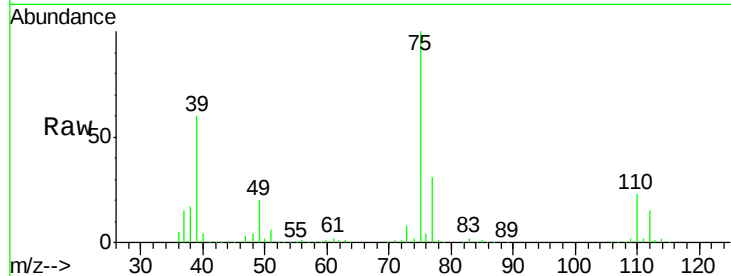
#53
t-1,3-Dichloropropene
Concen: 50.26 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

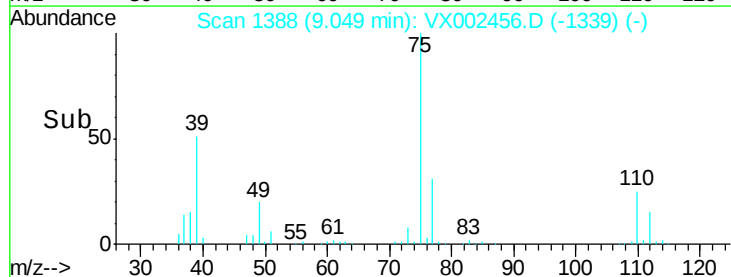
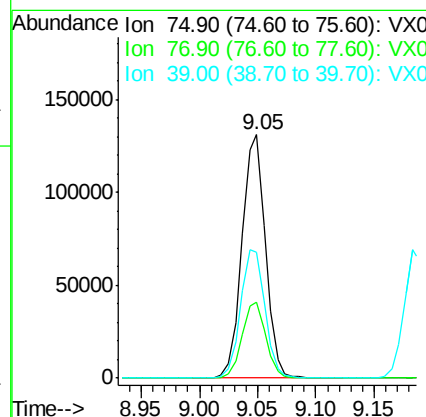
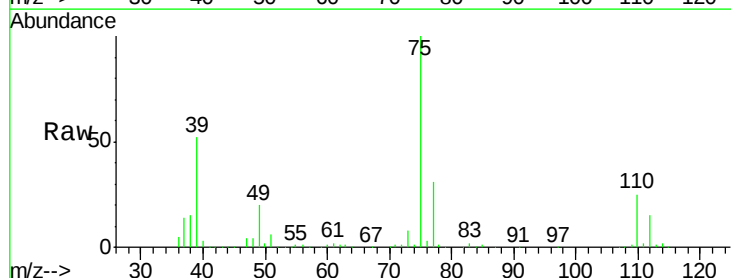
Manual Integrations
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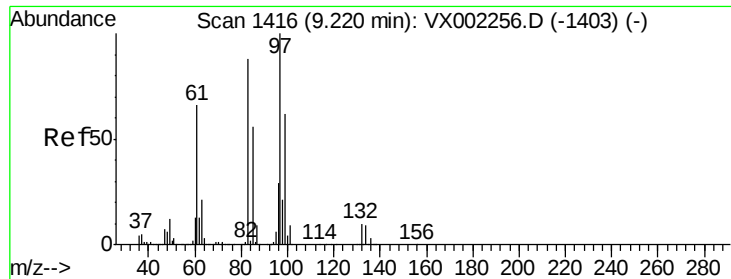
MMDadoda
6/12/2018 4:50:32 PM



#54
cis-1,3-Dichloropropene
Concen: 50.28 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2
39	51.4	42.4	63.6





#55

1,1,2-Trichloroethane

Concen: 51.95 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

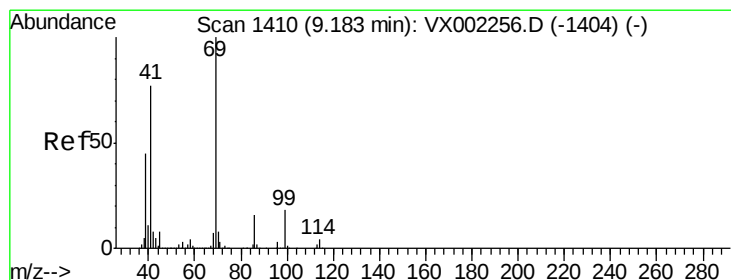
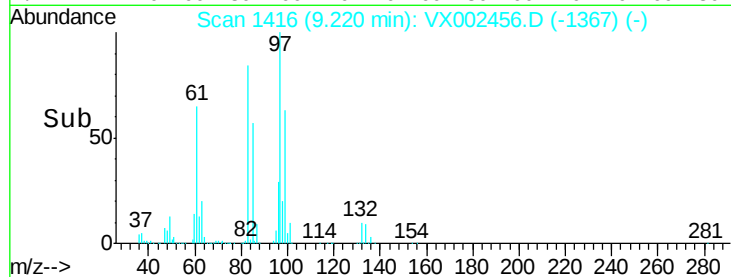
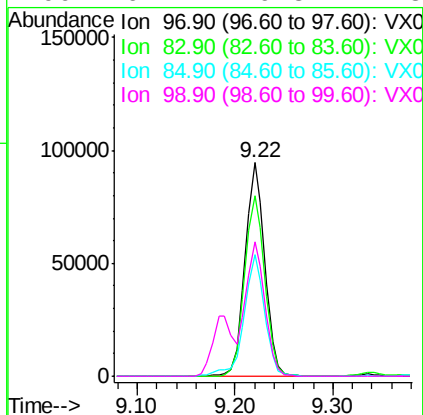
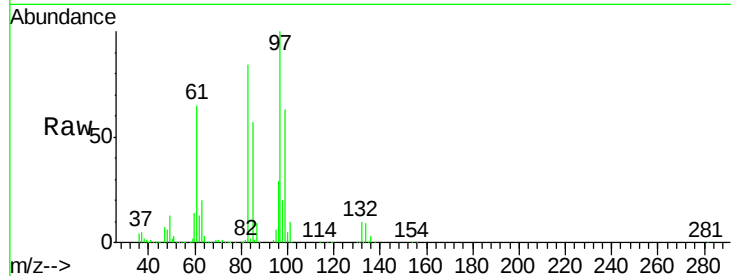
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	133001
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.2
85	57.0	44.9	67.3
99	62.7	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.80 ug/l

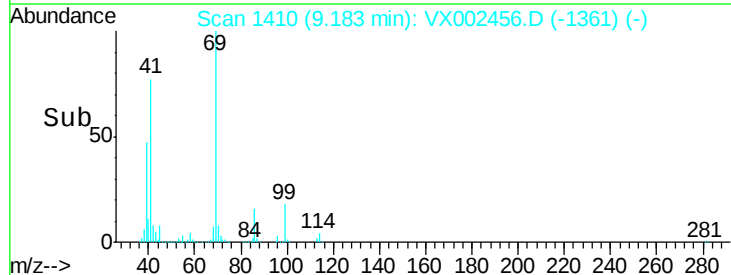
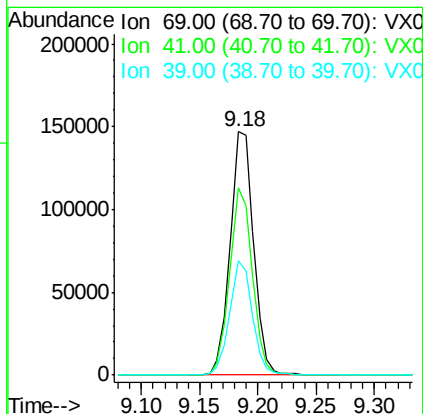
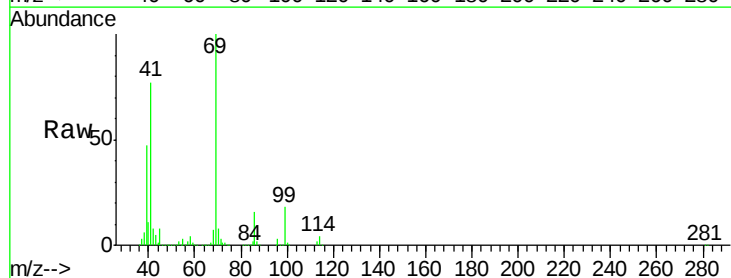
RT: 9.18 min Scan# 1410

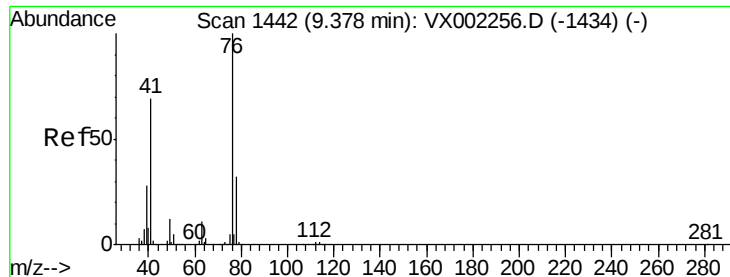
Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	69	Resp:	207640
Ion	Ratio	Lower	Upper
69	100		
41	74.2	60.3	90.5
39	45.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.62 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 221688

Ion Ratio Lower Upper

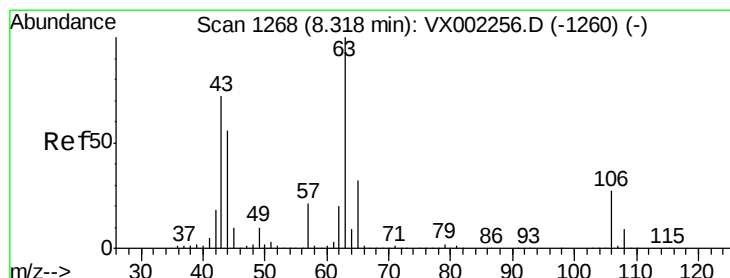
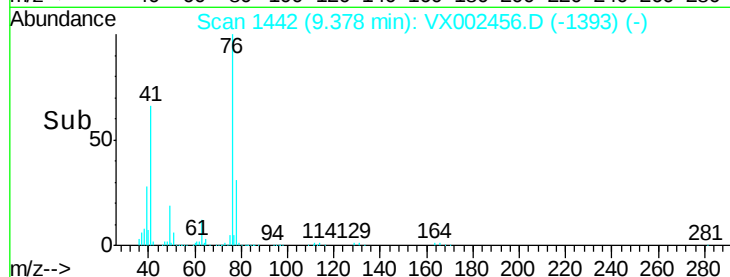
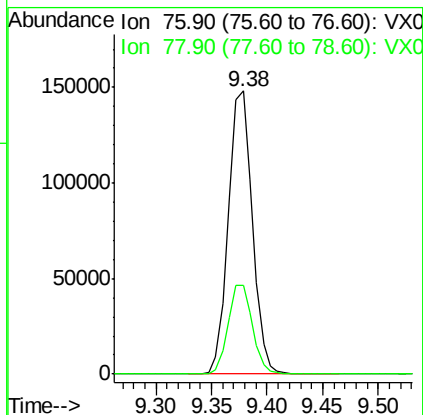
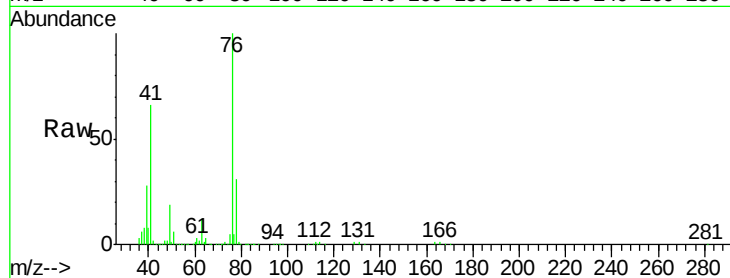
76 100

78 31.9 25.8 38.6

Manual Integrations
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6/12/2018 4:50:32 PM



#58

2-Chloroethyl Vinyl ether

Concen: 257.59 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002456.D

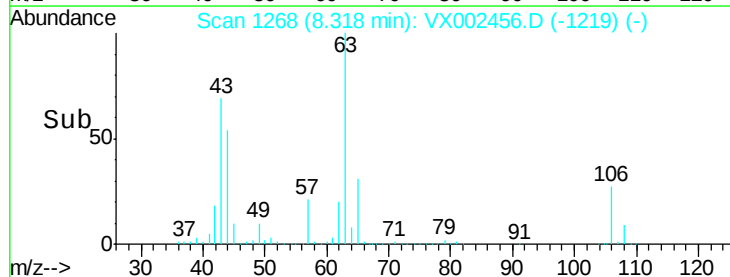
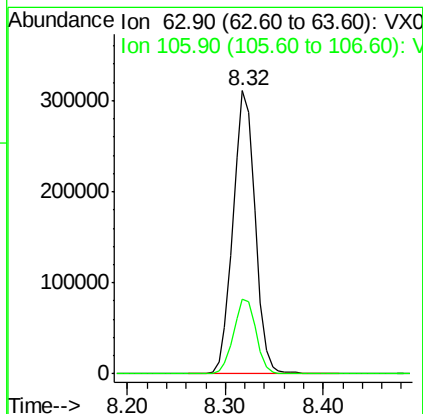
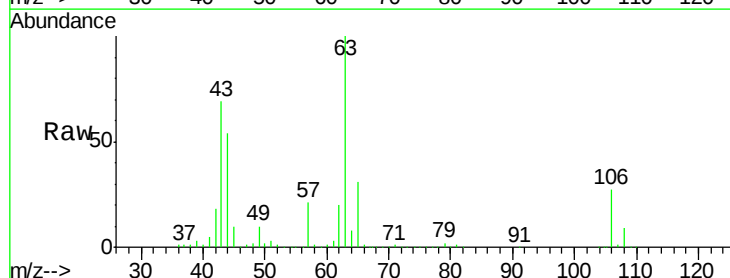
Acq: 11 Jun 2018 21:08

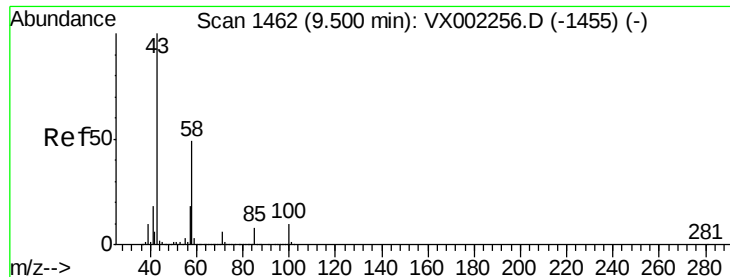
Tgt Ion: 63 Resp: 487271

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8





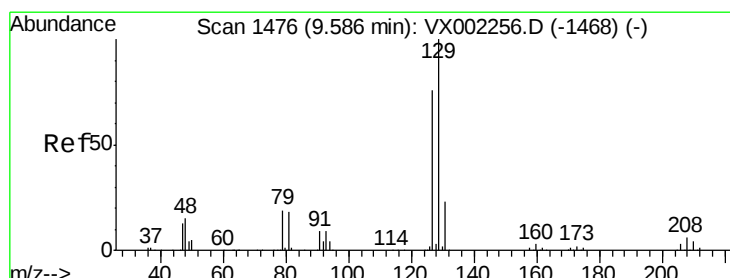
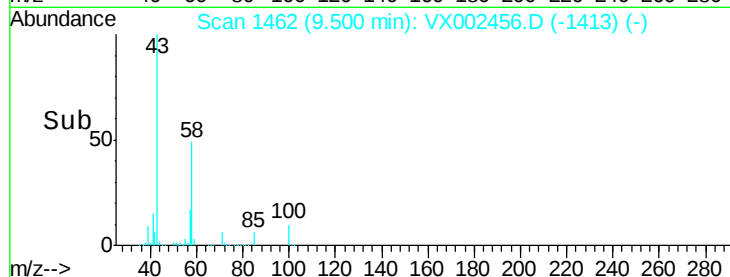
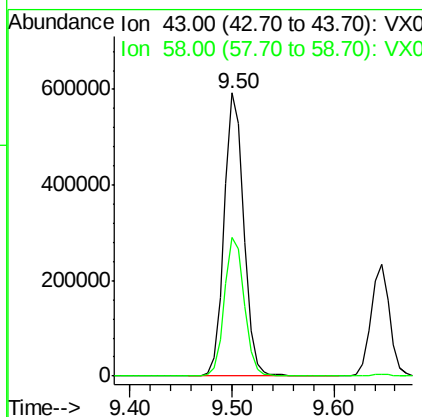
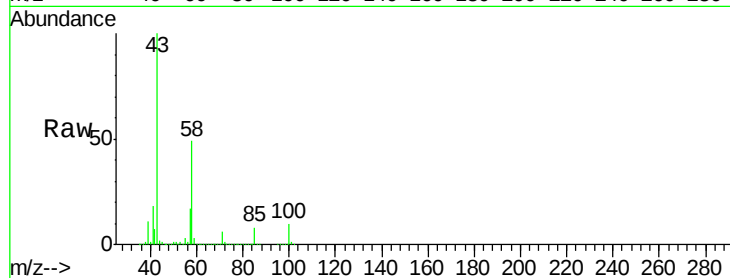
#59
2-Hexanone
Concen: 252.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 790662
Ion Ratio Lower Upper
43 100
58 49.6 24.6 73.6

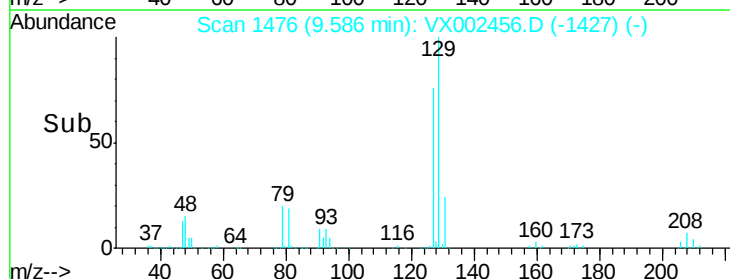
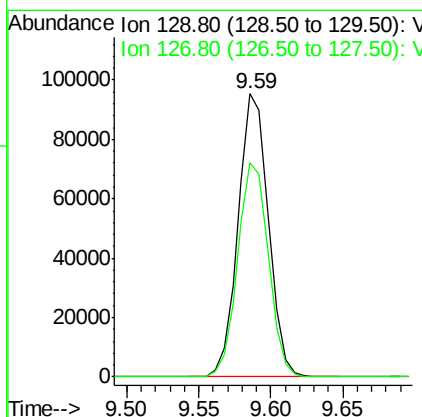
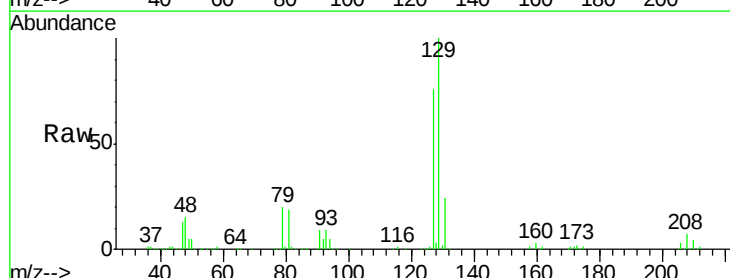
Manual Integrations
APPROVED

MMDadoda
6/12/2018 4:50:32 PM



#60
Dibromochloromethane
Concen: 53.97 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion: 129 Resp: 138973
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.63 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 140475

Ion Ratio Lower Upper

107 100

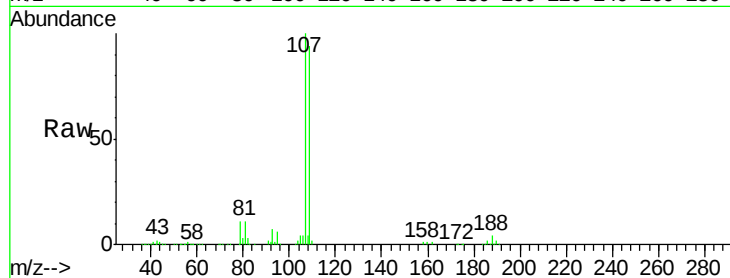
109 94.2 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

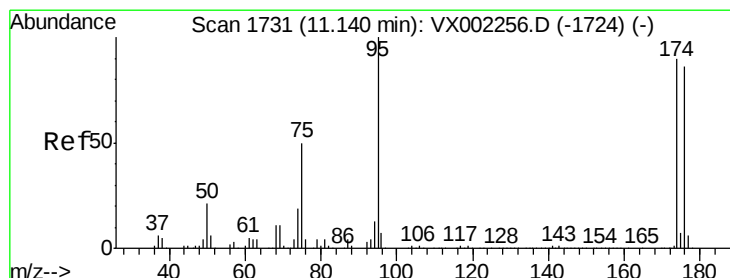
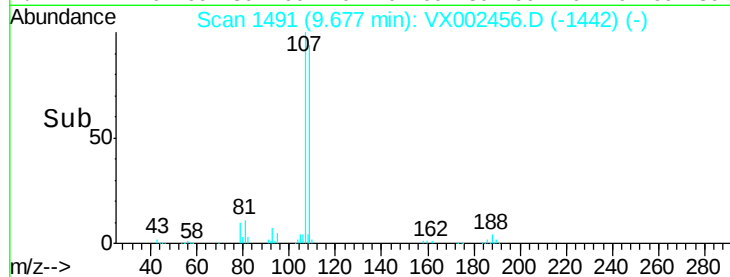
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

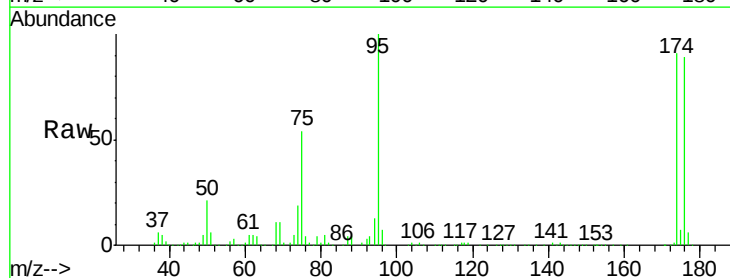
Tgt Ion: 95 Resp: 160638

Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.4

176 93.1 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

150000

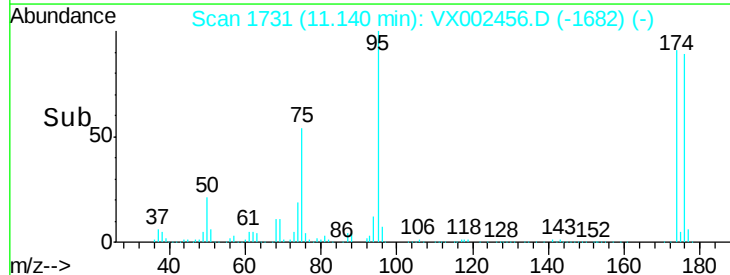
100000

50000

0

11.10 11.20

Time-->





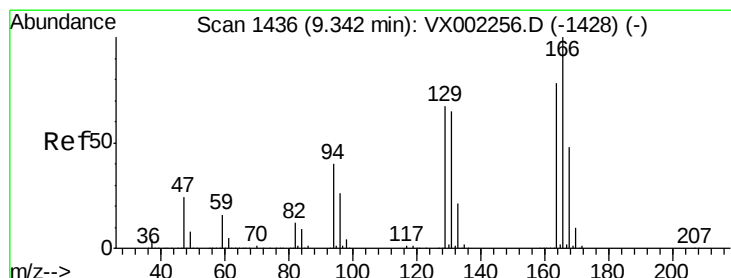
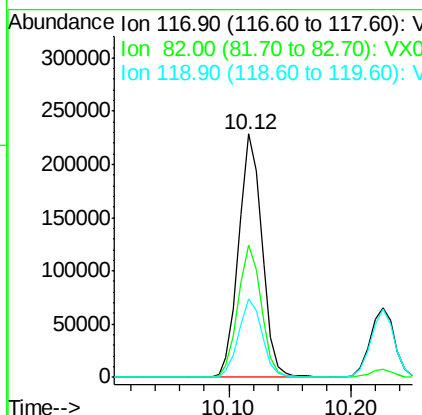
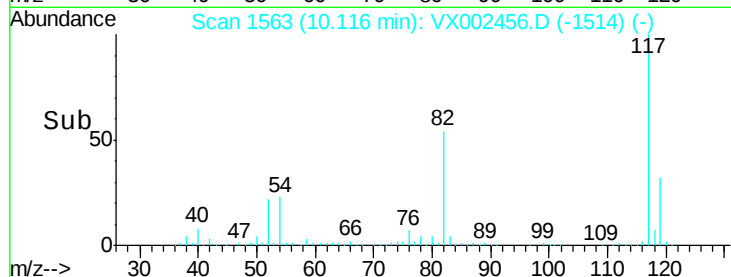
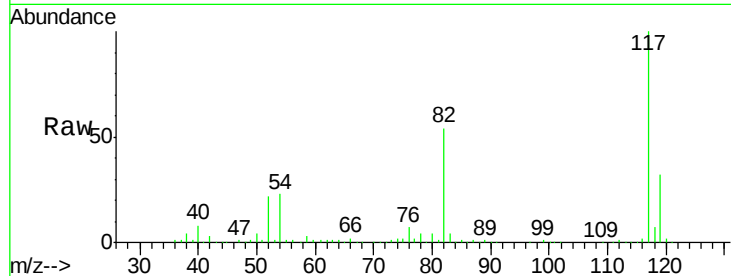
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	32.0	25.8	38.6

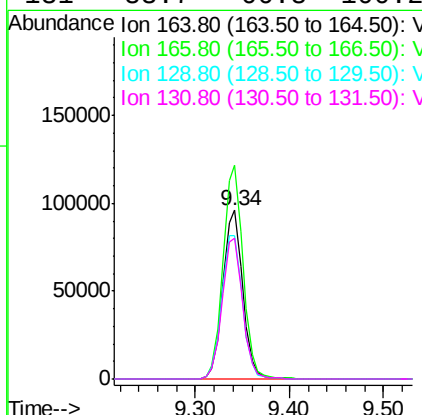
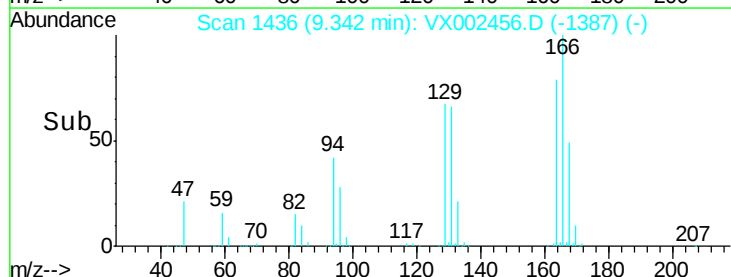
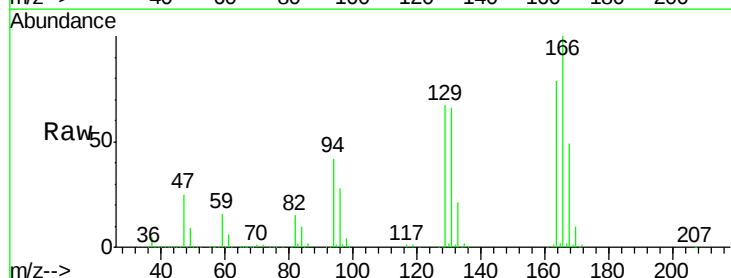
Manual Integrations
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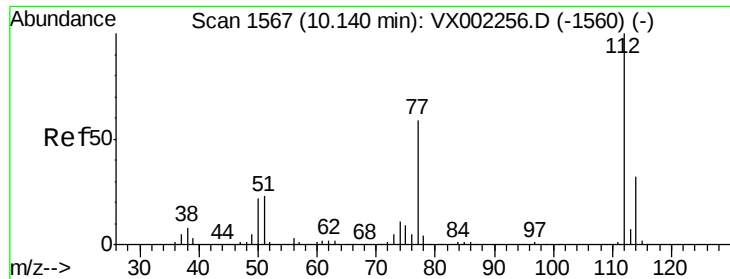
MMDadoda
6/12/2018 4:50:32 PM



#64
Tetrachloroethene
Concen: 44.97 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.9	154.3
129	84.9	68.6	102.8
131	83.7	66.8	100.2





#65

Chlorobenzene

Concen: 48.58 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 365780

Ion Ratio Lower Upper

112 100

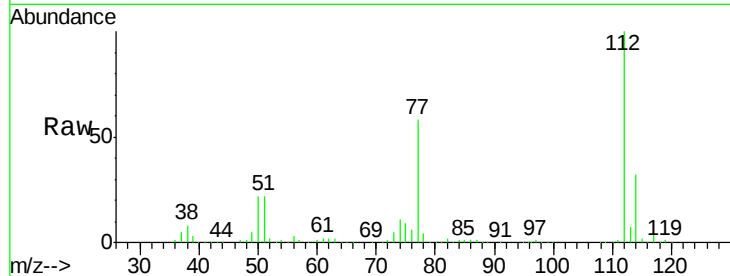
114 31.8 25.3 37.9

Manual Integrations

APPROVED

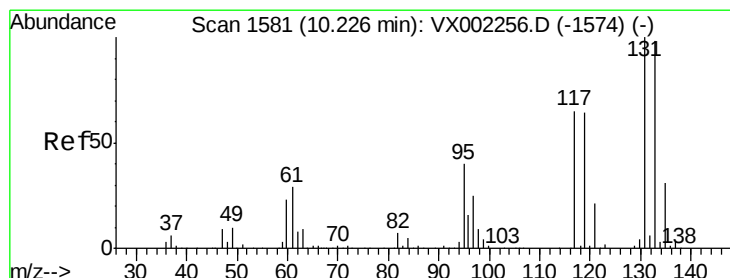
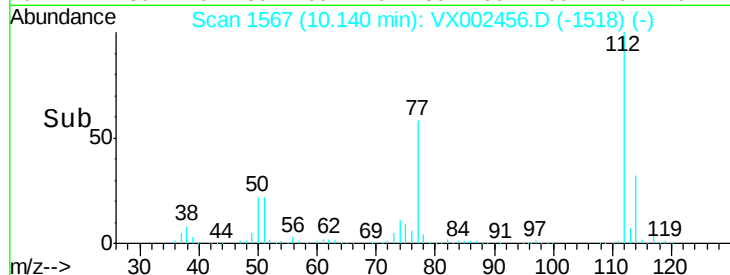
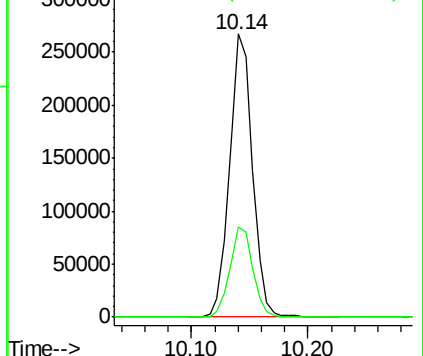
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.47 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

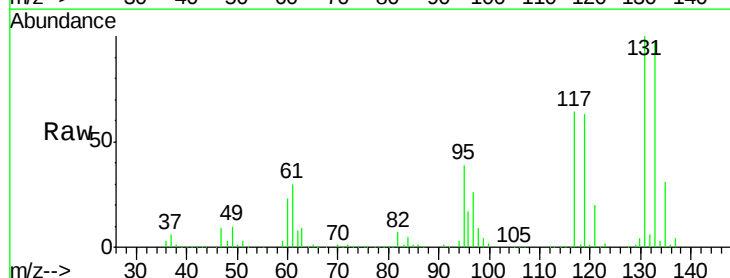
Tgt Ion:131 Resp: 137605

Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.6

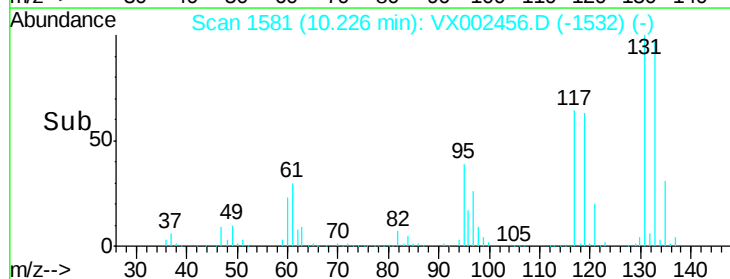
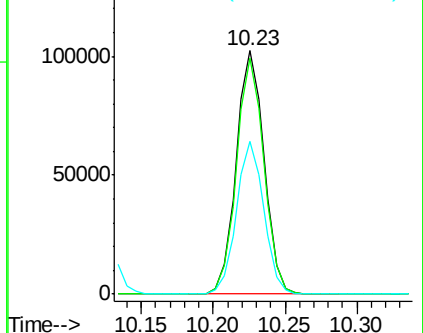
119 61.8 31.8 95.3

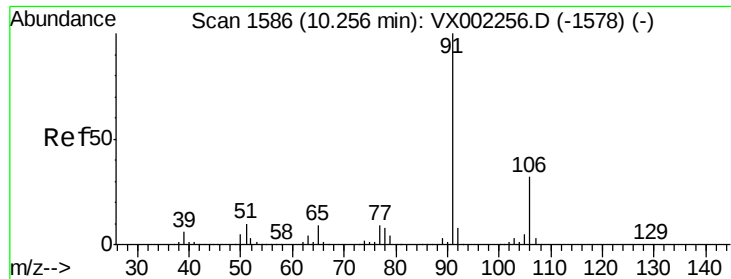


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





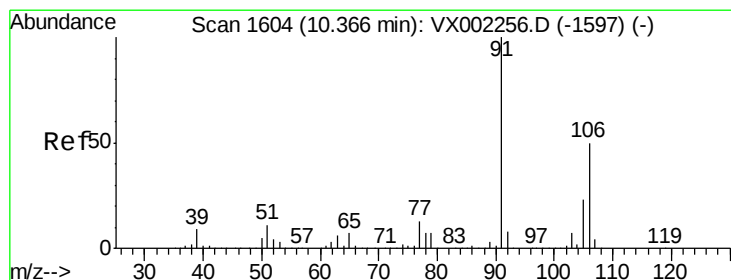
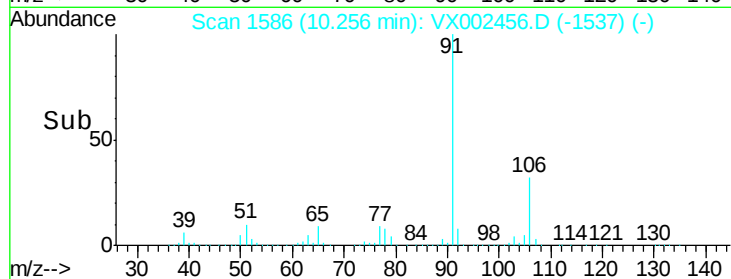
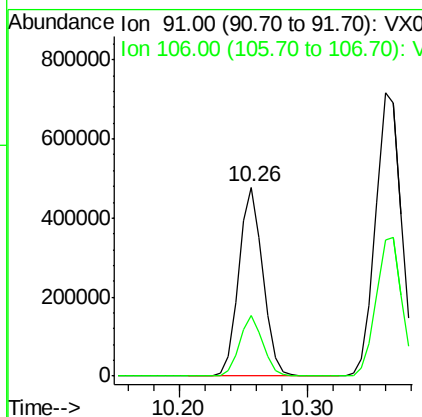
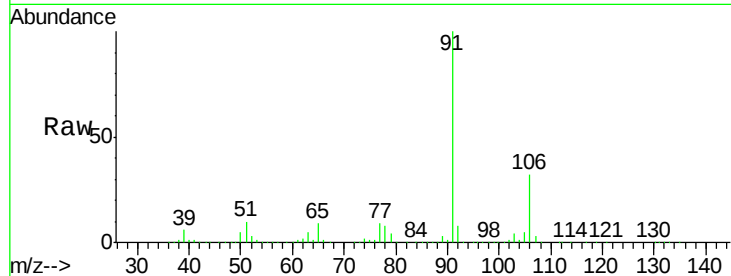
#67
Ethyl Benzene
Concen: 49.09 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 618528
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

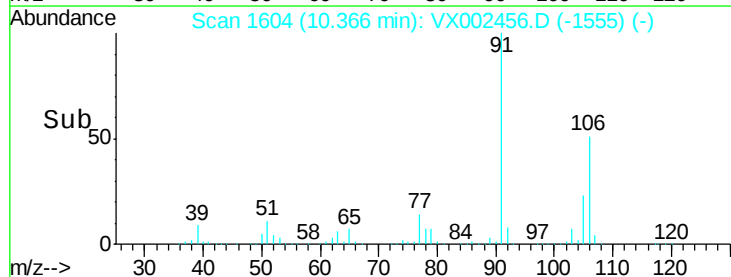
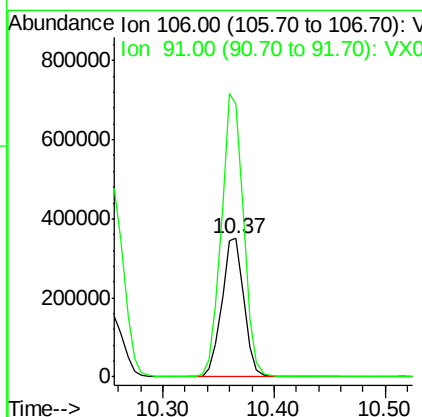
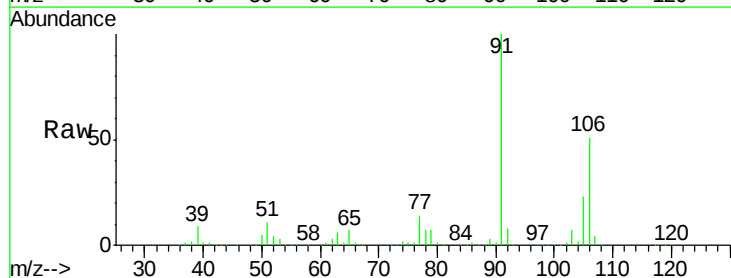
Manual Integrations
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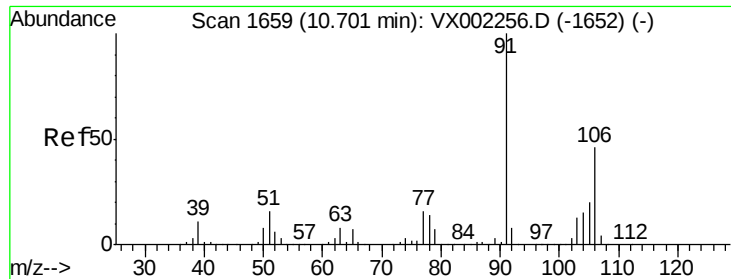
MMDadoda
6/12/2018 4:50:32 PM



#68
m/p-Xylenes
Concen: 98.06 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion: 106 Resp: 480311
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





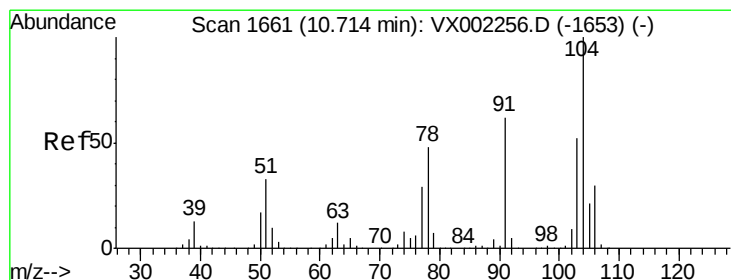
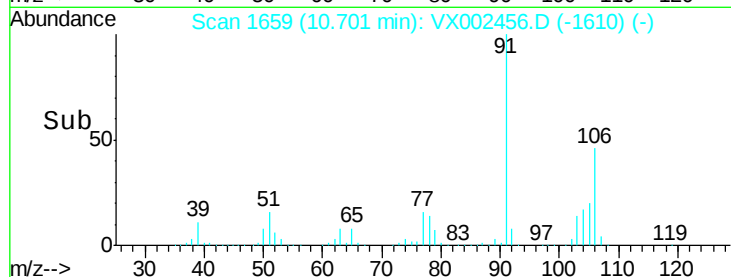
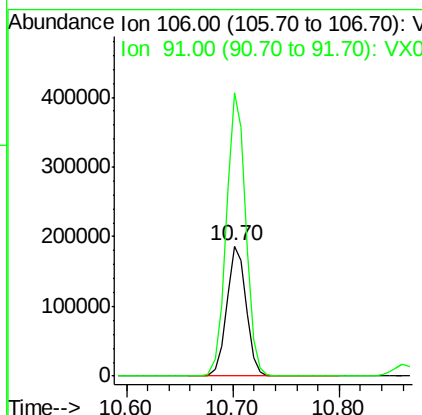
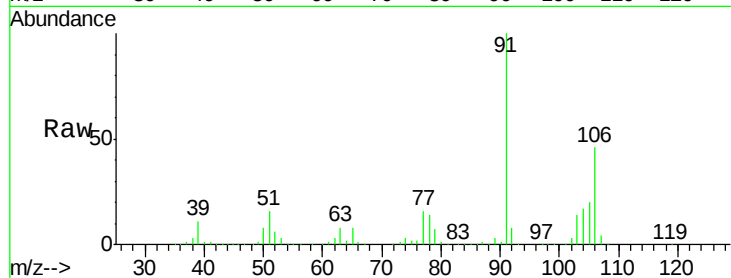
#69
o-Xylene
Concen: 49.00 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 238836
Ion Ratio Lower Upper
106 100
91 217.1 108.2 324.6

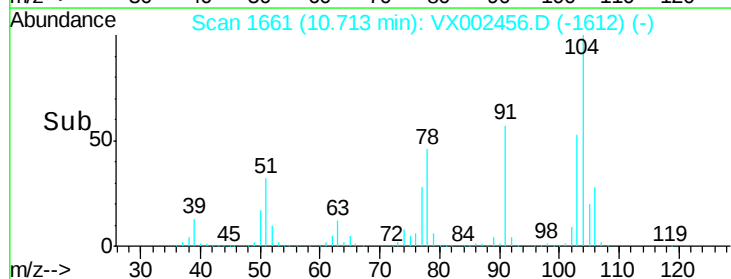
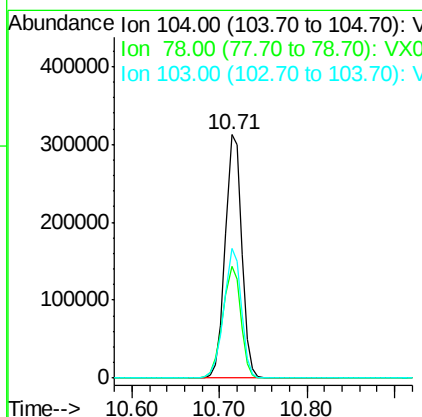
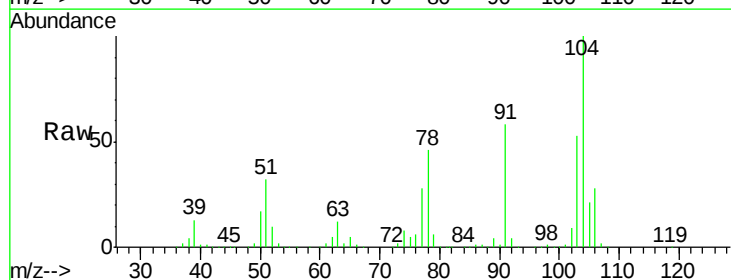
Manual Integrations
APPROVED

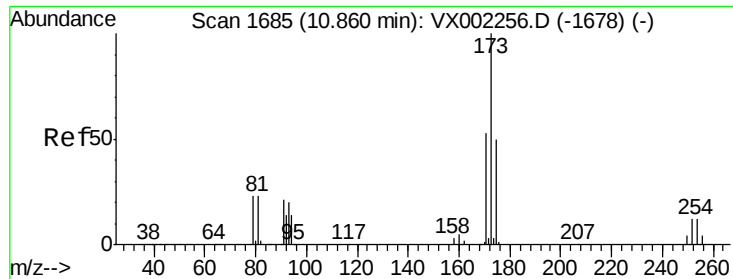
MMDadoda
6/12/2018 4:50:32 PM



#70
Styrene
Concen: 51.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion:104 Resp: 408407
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 56.3 44.2 66.4





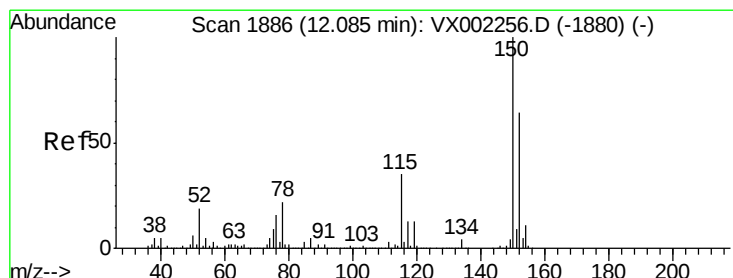
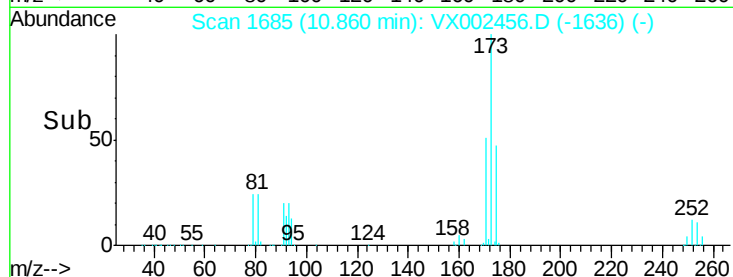
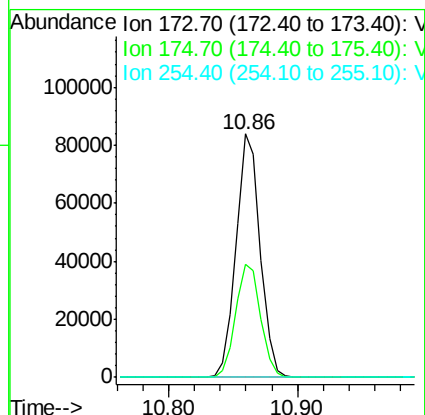
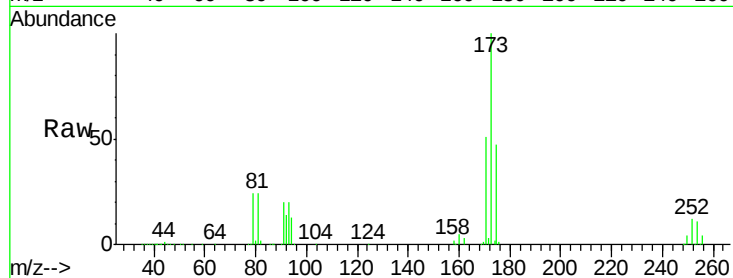
#71
Bromoform
Concen: 45.12 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.2	0.2	0.2

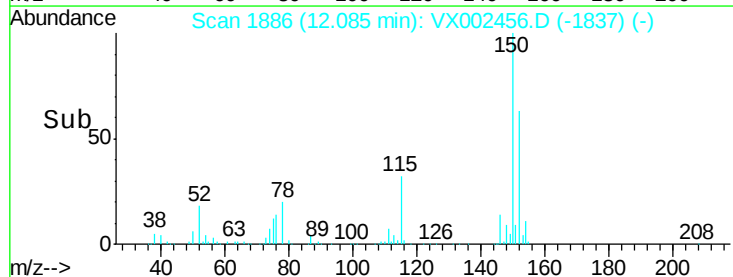
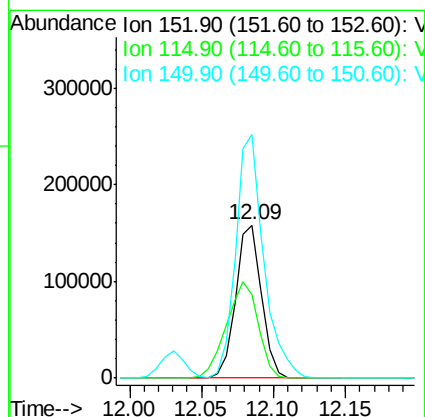
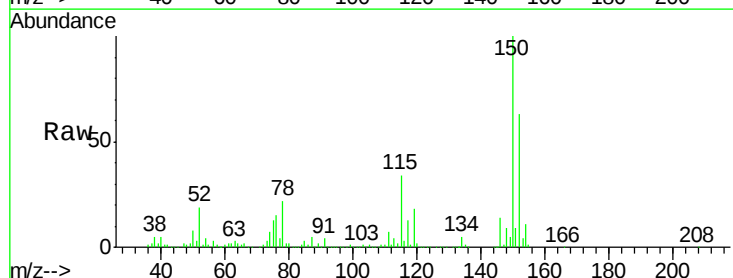
Manual Integrations
APPROVED

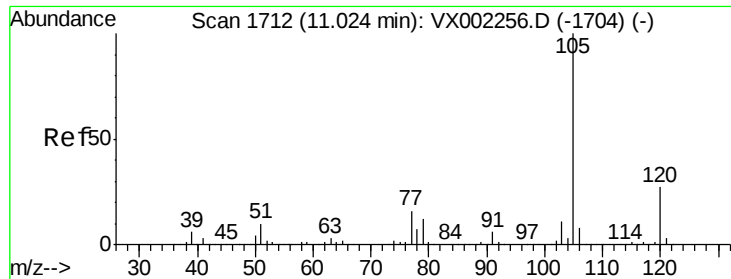
MMDadoda
6/12/2018 4:50:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.7	40.1	120.2
150	174.0	0.0	347.2





#73

Isopropylbenzene

Concen: 46.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 636645

Ion Ratio Lower Upper

105 100

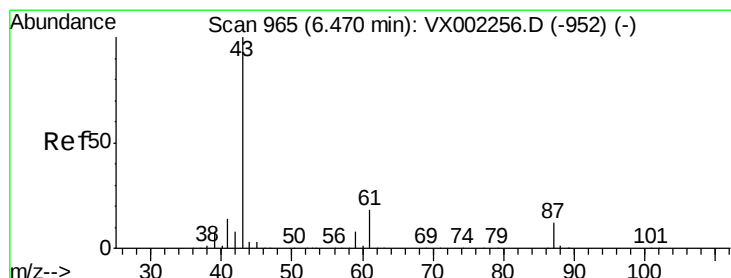
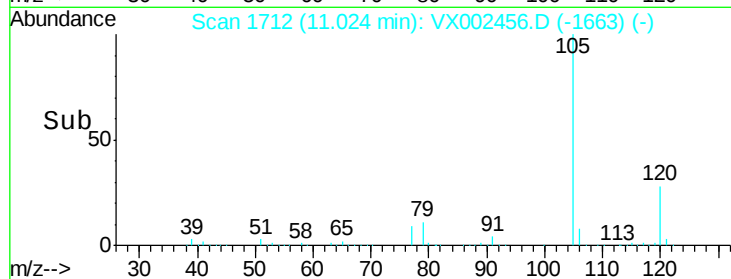
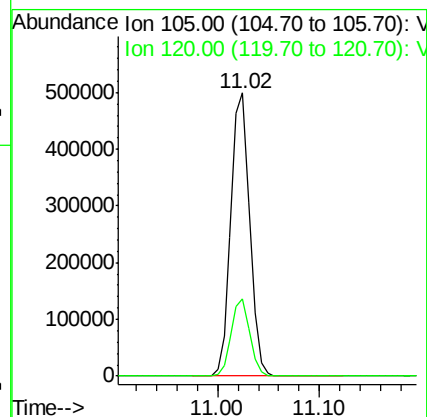
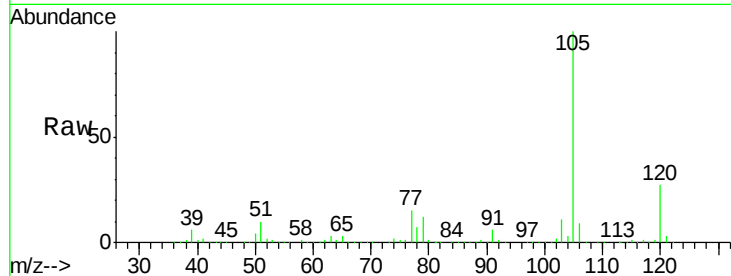
120 26.9 13.5 40.4

Manual Integrations

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MMDadoda

6/12/2018 4:50:32 PM



#74

N-ethyl acetate

Concen: 43.31 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion: 43 Resp: 320295

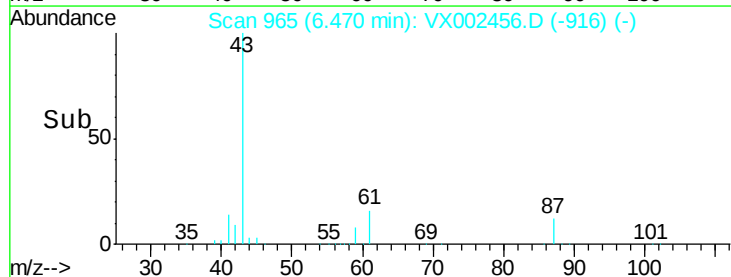
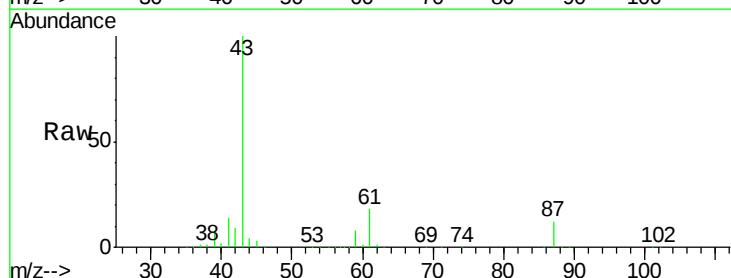
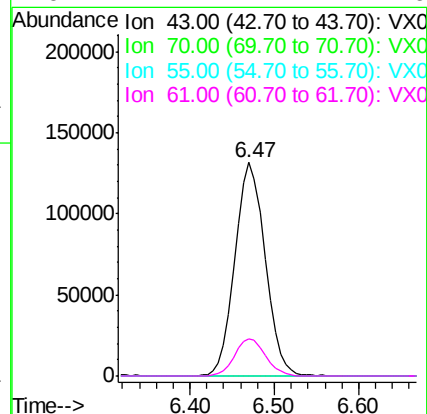
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 17.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.90 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

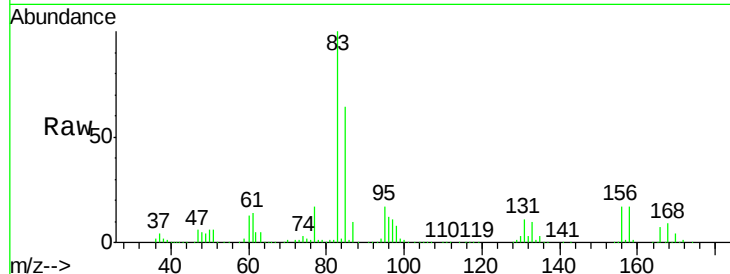
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	206774
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.1	32.4	97.2

Manual Integrations
APPROVED

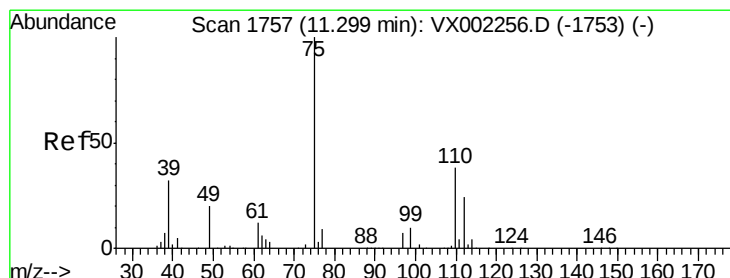
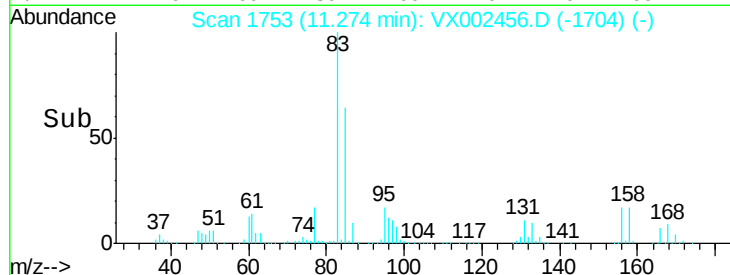
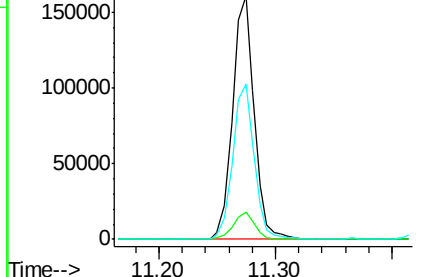
MMDadoda
6/12/2018 4:50:32 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 40.79 ug/l m

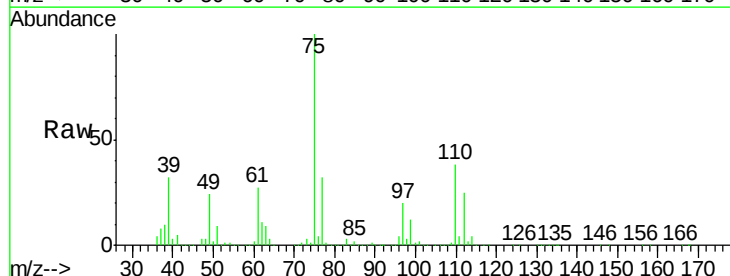
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002456.D

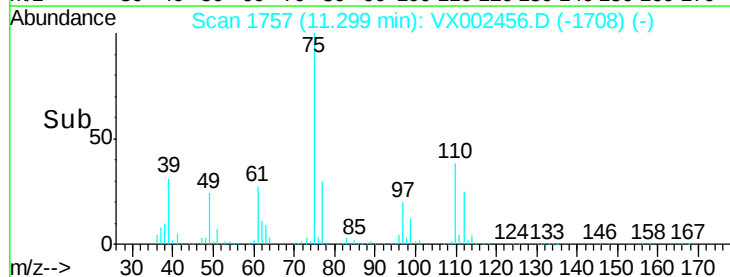
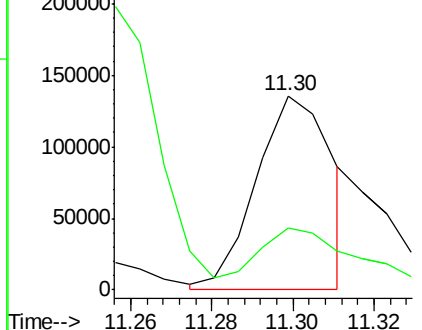
Acq: 11 Jun 2018 21:08

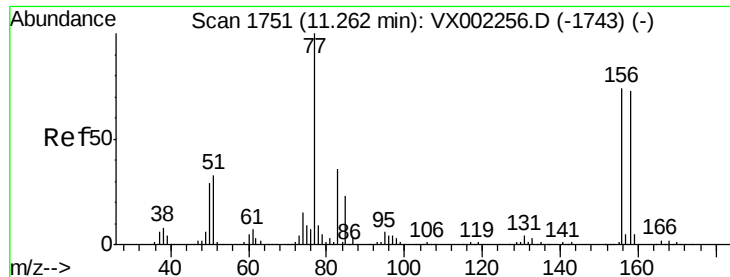
Tgt Ion:	75	Resp:	176592
Ion Ratio	Lower	Upper	
75	100		
77	42.4	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.52 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

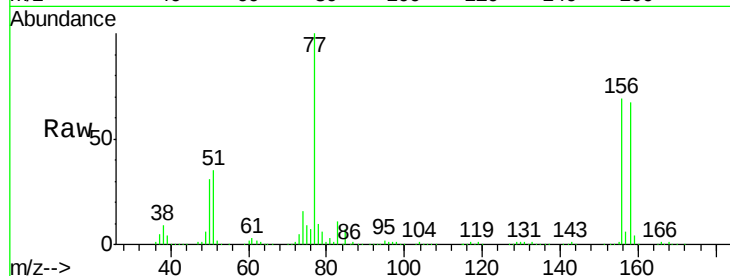
ClientSampleID :

VSTDCCC050EC

Tot Ion:	156	Resp:	183107
Ion Ratio	Lower	Upper	
156	100		
77	139.4	71.4	214.2
158	96.9	48.9	146.6

Manual Integrations
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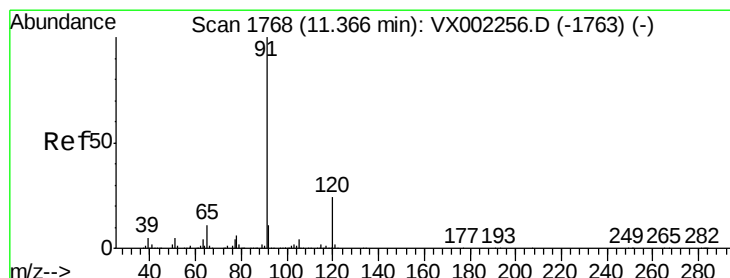
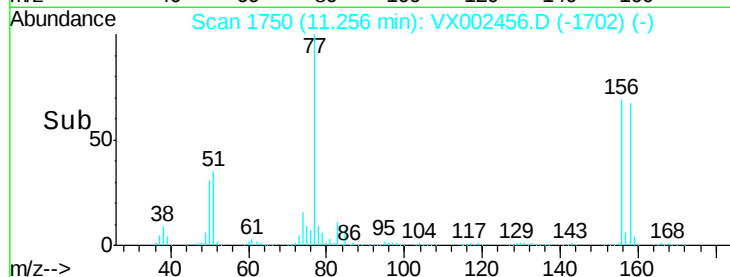
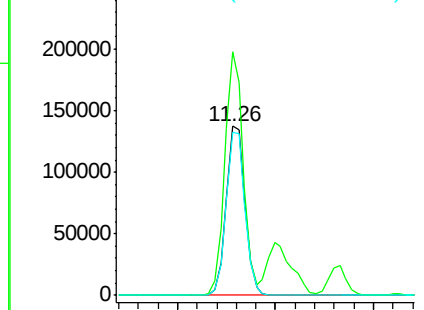
MMDadoda
6/12/2018 4:50:32 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.63 ug/l

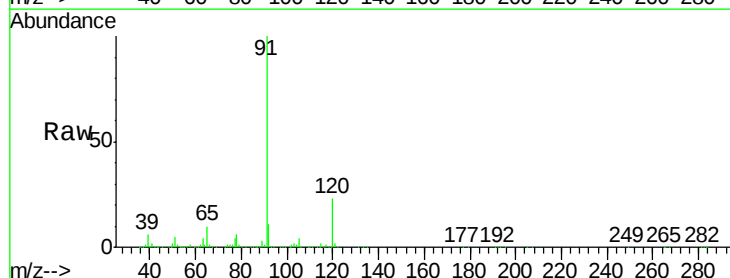
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002456.D

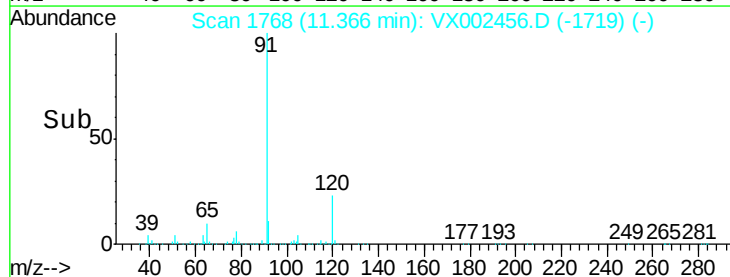
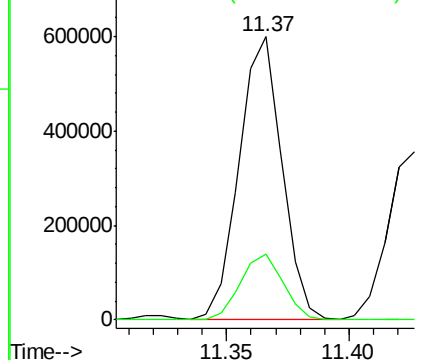
Acq: 11 Jun 2018 21:08

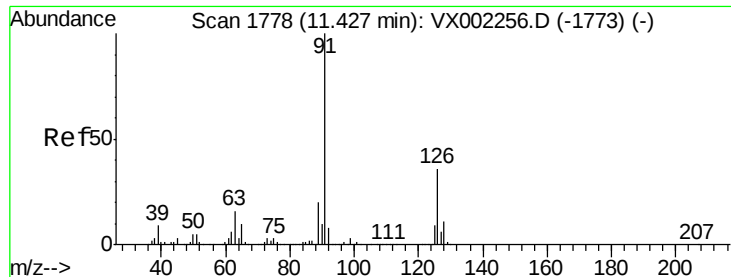
Tgt Ion:	91	Resp:	726670
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 445253

Ion Ratio Lower Upper

91 100

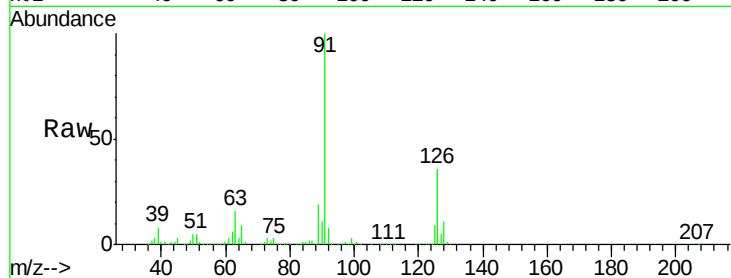
126 35.6 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002256.D (-1773) (-)

600000

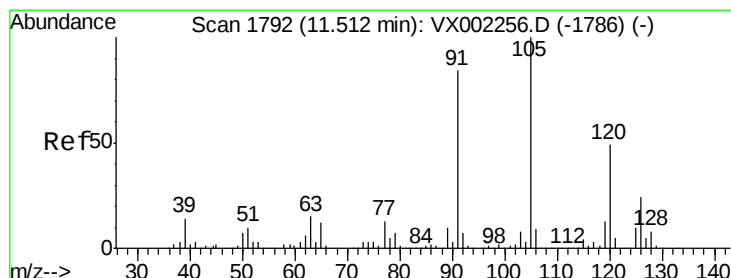
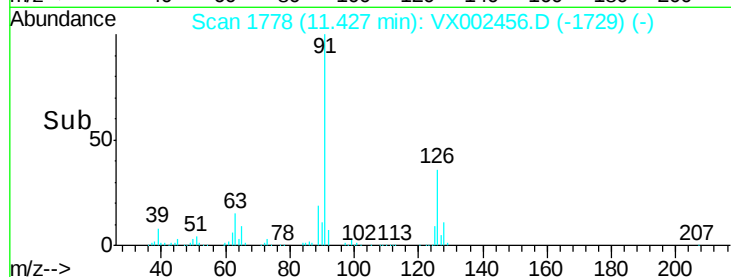
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002456.D

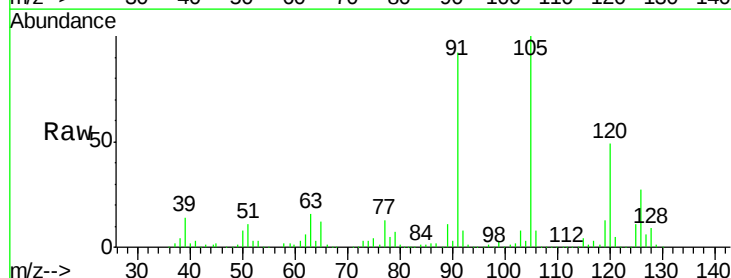
Acq: 11 Jun 2018 21:08

Tgt Ion: 105 Resp: 551309

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002256.D (-1786) (-)

500000

400000

300000

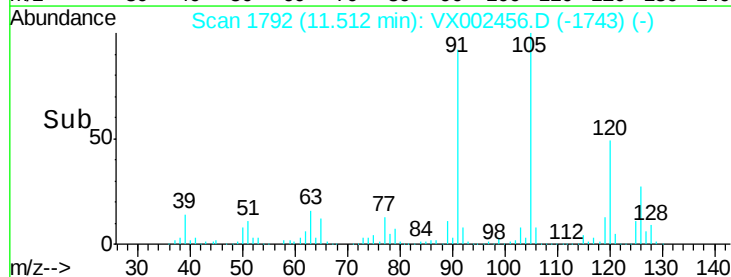
200000

100000

0

11.50 11.51 11.60

Time-->





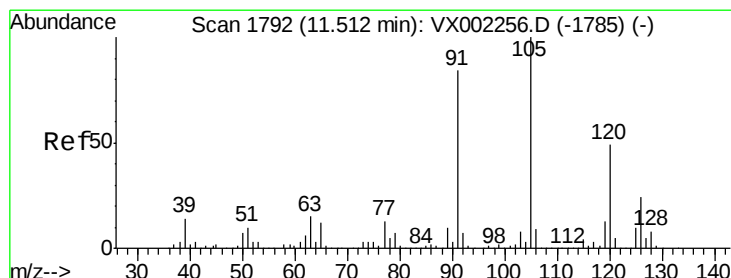
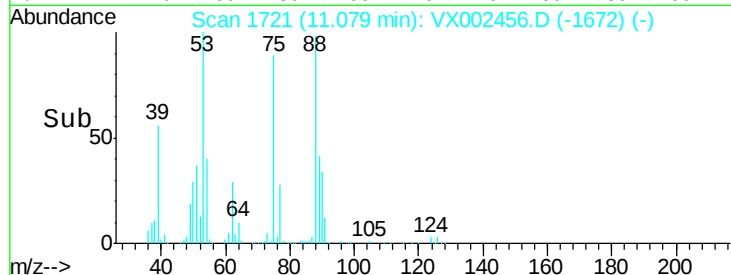
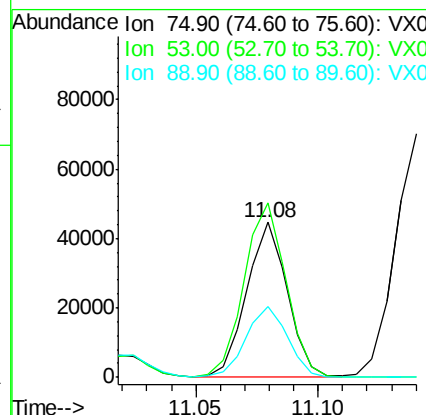
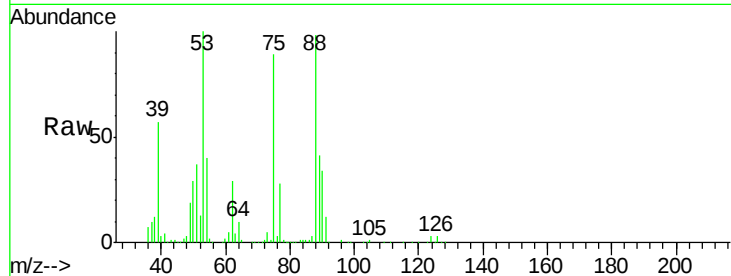
#81
trans-1,4-Dichloro-2-butene
Concen: 41.86 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.8	86.8	130.2
89	47.2	38.2	57.2

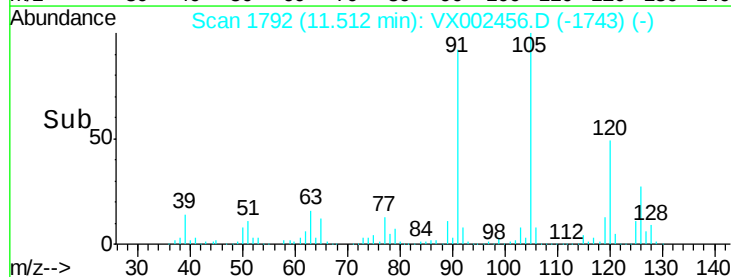
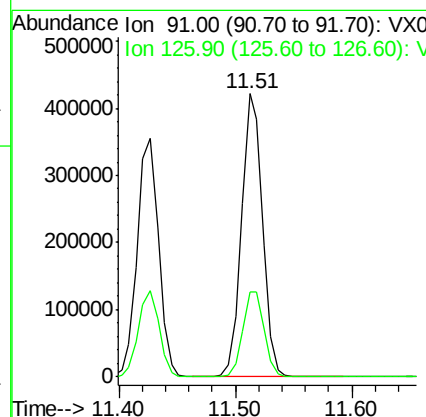
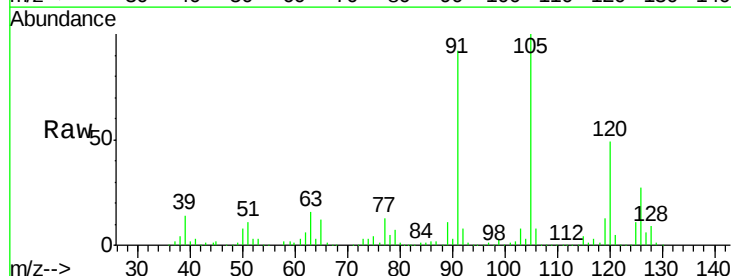
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6/12/2018 4:50:32 PM



#82
4-Chlorotoluene
Concen: 47.56 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.4





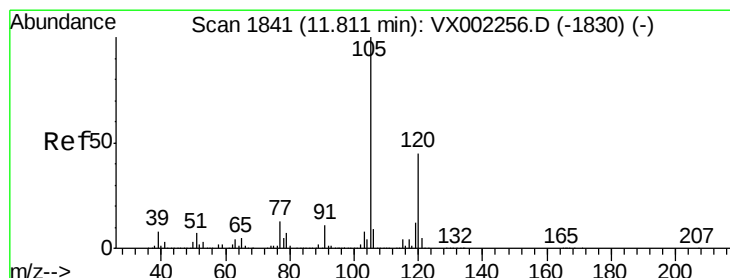
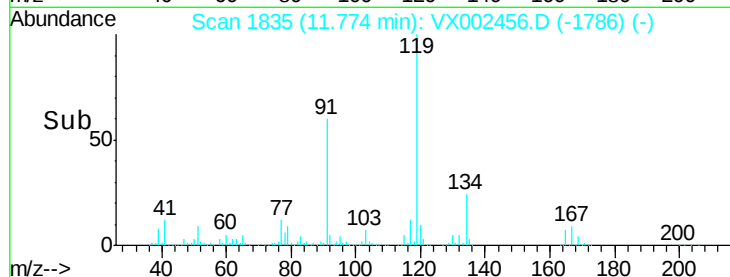
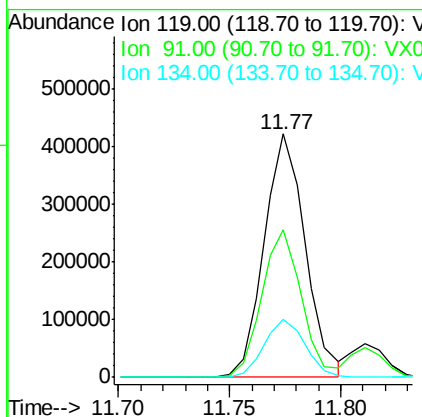
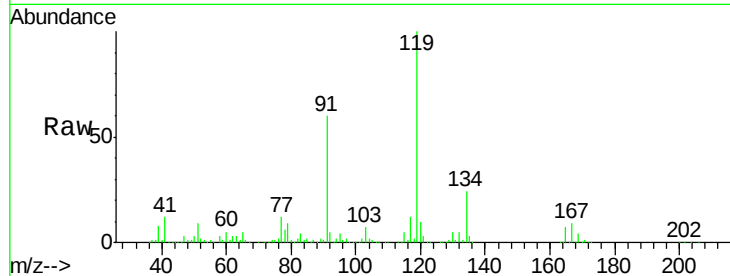
#83
 tert-Butylbenzene
 Concen: 47.15 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.8	30.3	90.9
134	23.5	11.7	35.1

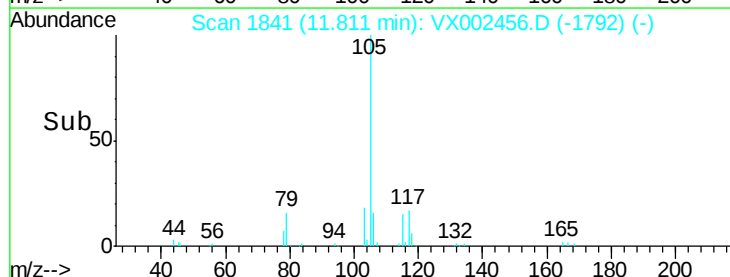
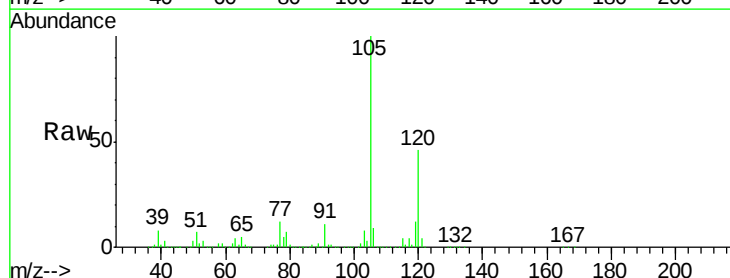
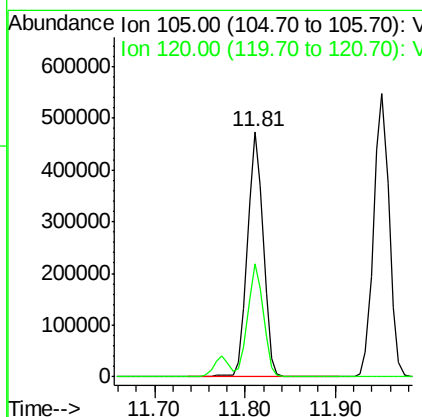
Manual Integrations
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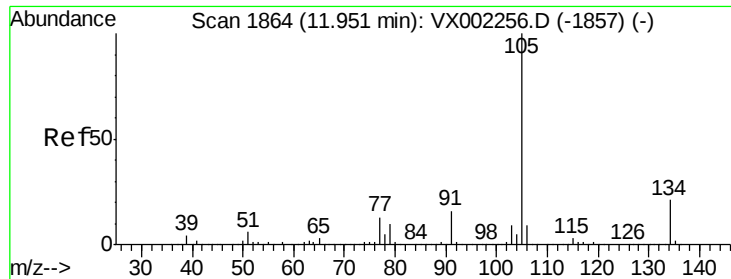
MMDadoda
 6/12/2018 4:50:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





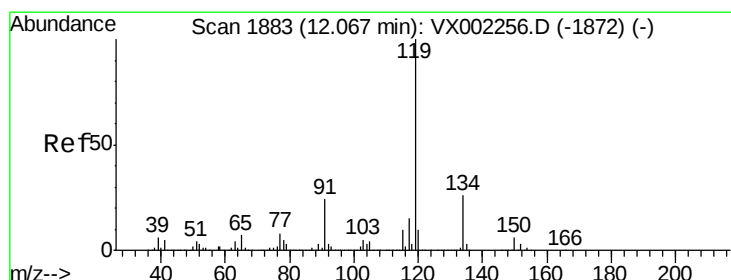
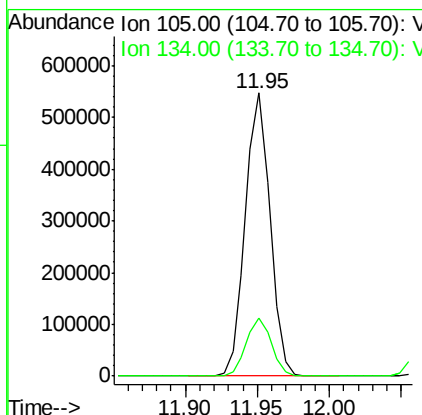
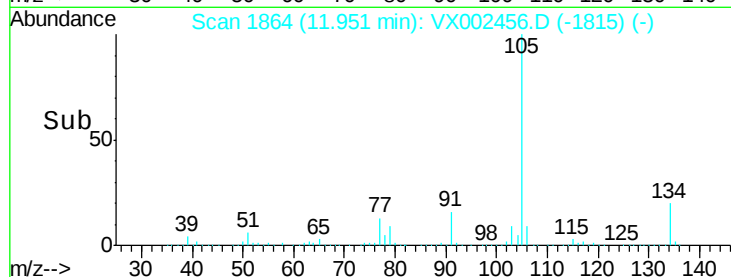
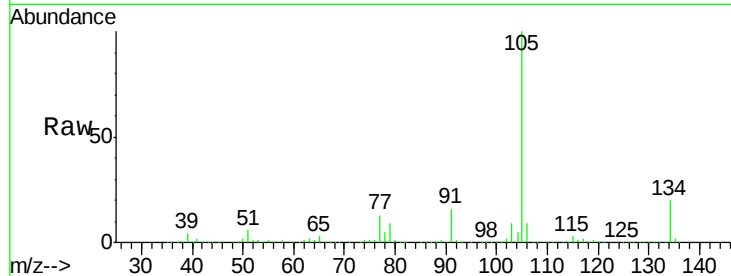
#85
 sec-Butylbenzene
 Concen: 48.45 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 651182
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

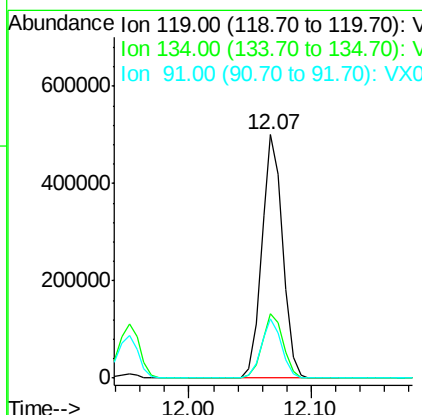
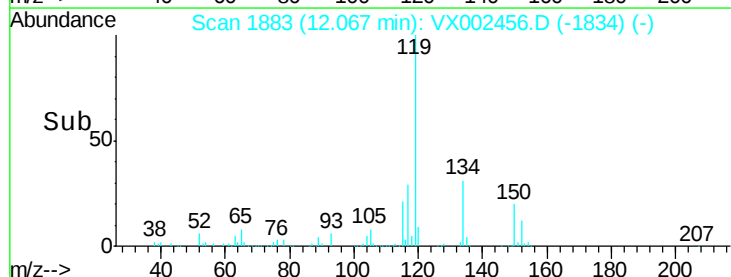
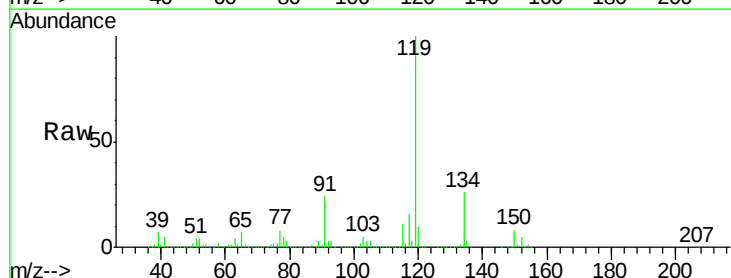
Manual Integrations
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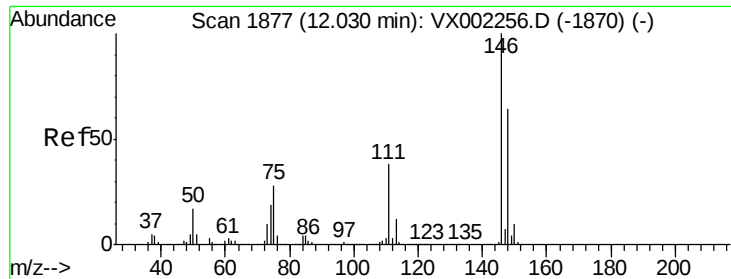
MMDadoda
 6/12/2018 4:50:32 PM



#86
 p-Isopropyltoluene
 Concen: 48.57 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion:119 Resp: 594606
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 23.7 11.9 35.7





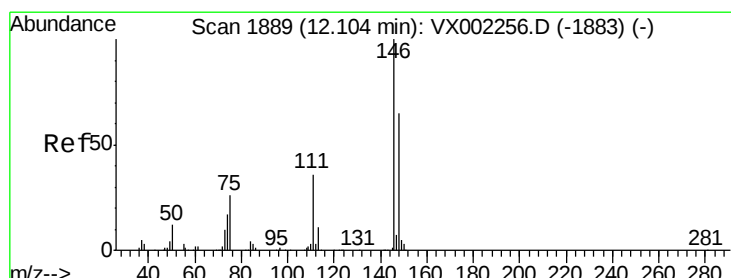
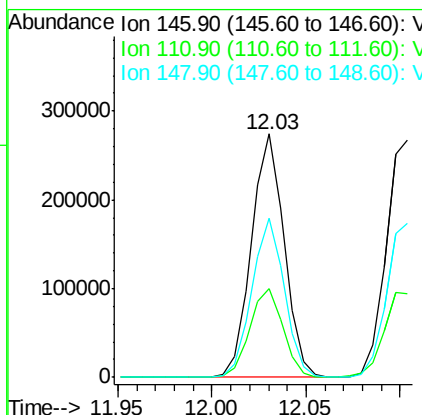
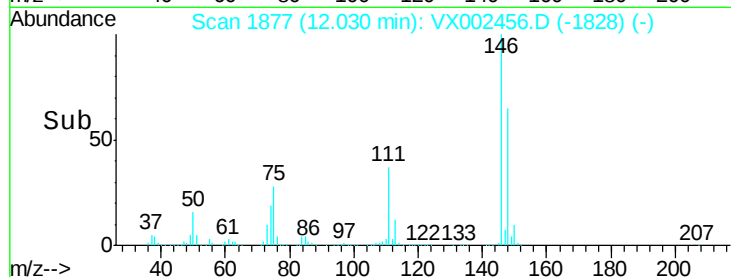
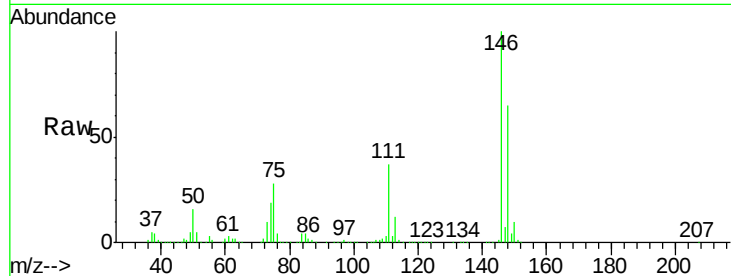
#87
 1,3-Dichlorobenzene
 Concen: 48.00 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	64.8	32.1	96.3

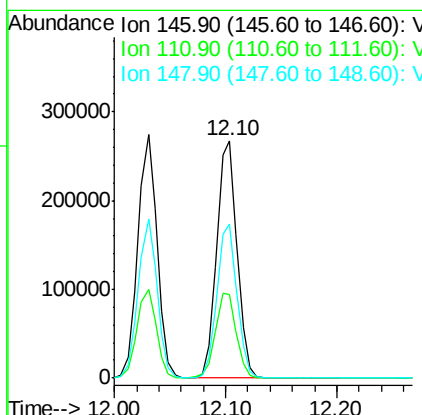
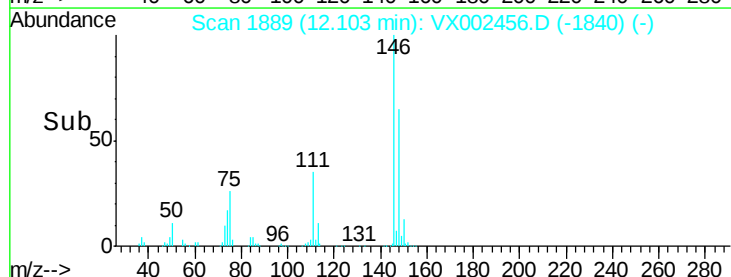
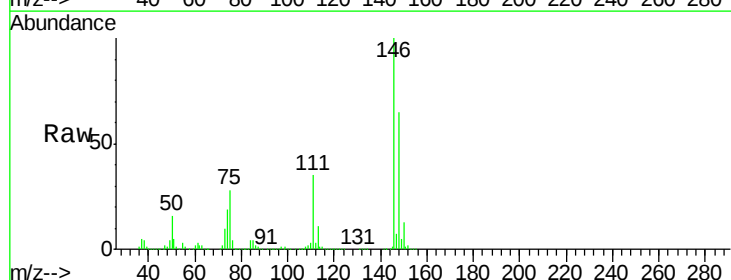
Manual Integrations
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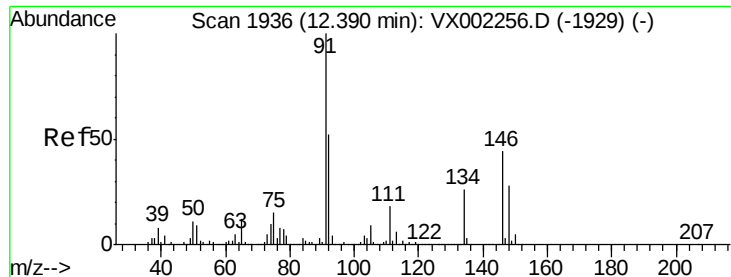
MMDadoda
 6/12/2018 4:50:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.1	32.4	97.0





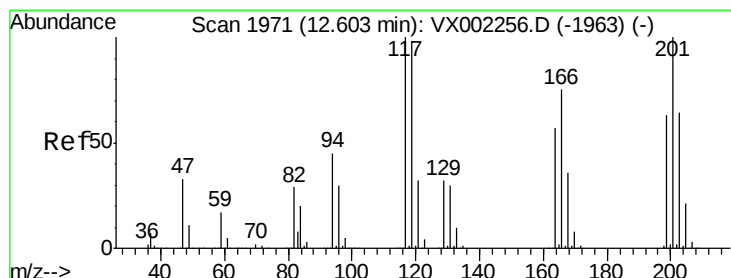
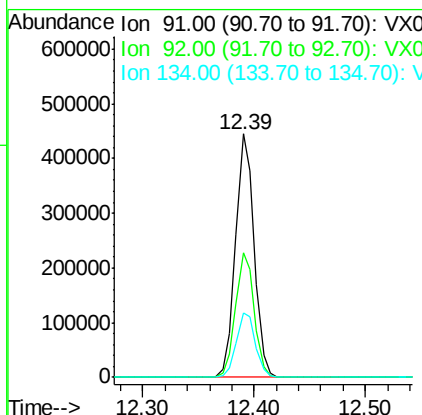
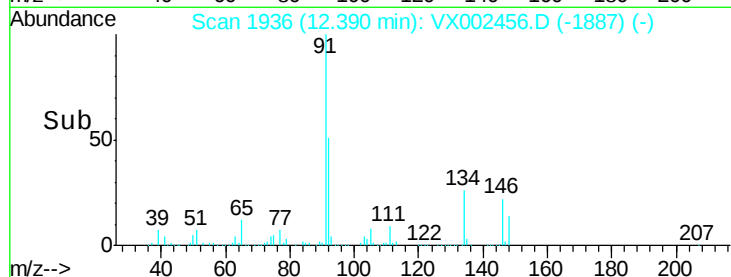
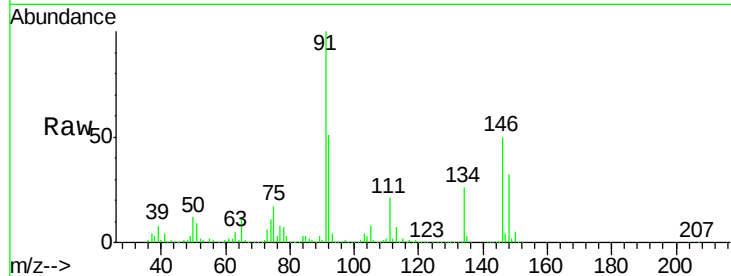
#89
n-Butylbenzene
Concen: 49.76 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.2	13.5	40.5

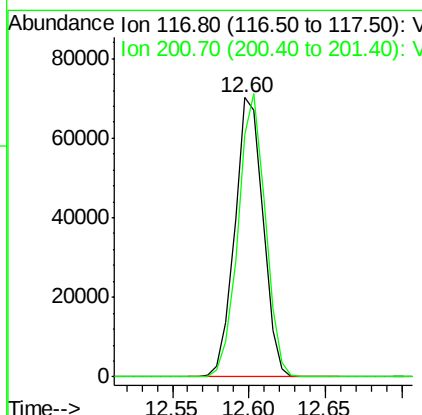
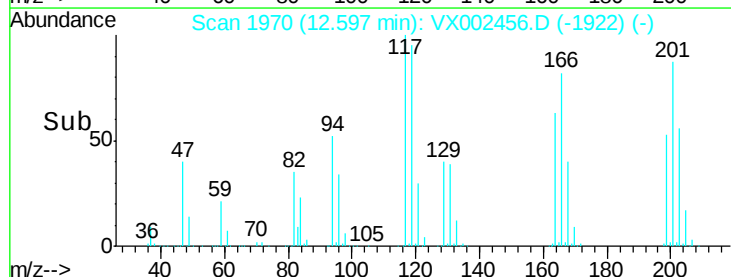
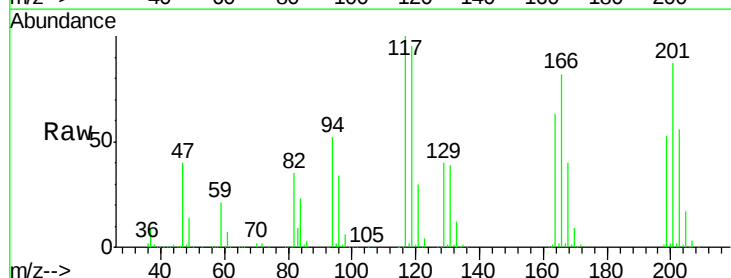
Manual Integrations
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6/12/2018 4:50:32 PM



#90
Hexachloroethane
Concen: 45.95 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002456.D
Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.1	49.0	147.0





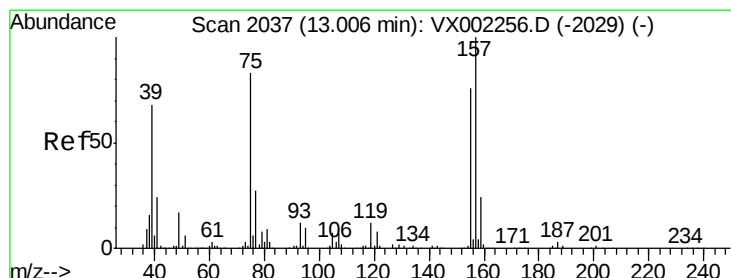
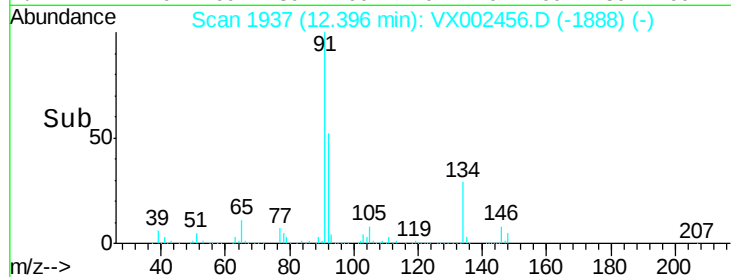
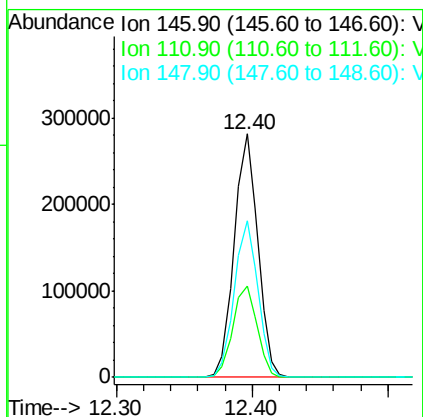
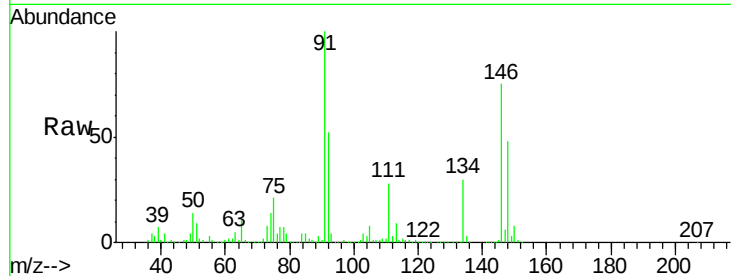
#91
 1,2-Dichlorobenzene
 Concen: 47.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.4	31.7	95.1

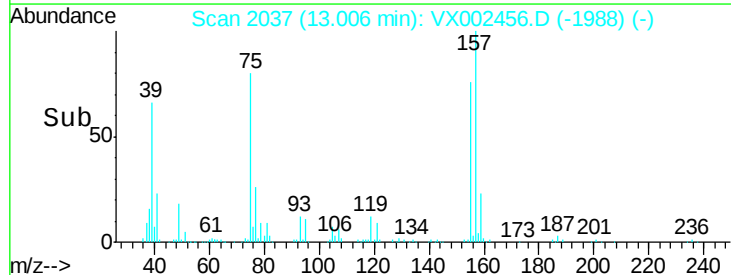
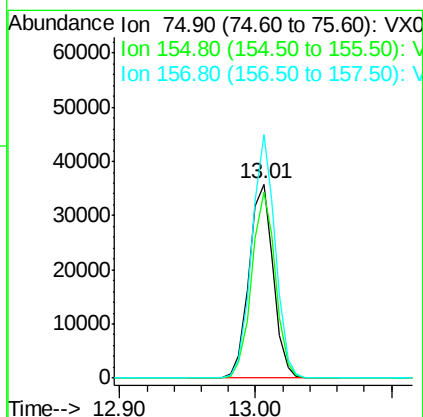
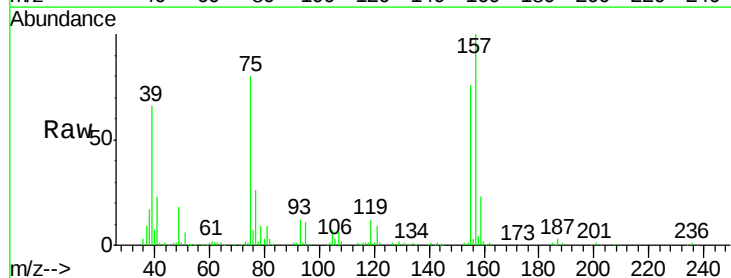
Manual Integrations
 APPROVED

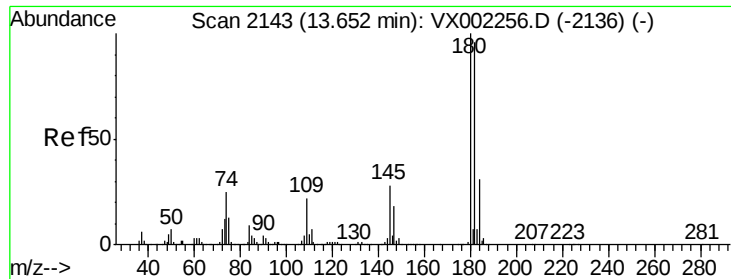
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.32 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	45.8	137.4
157	121.9	60.1	180.3





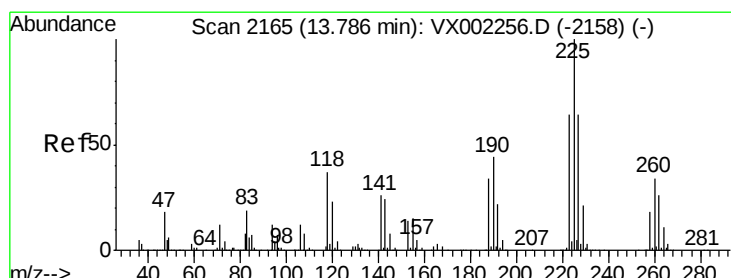
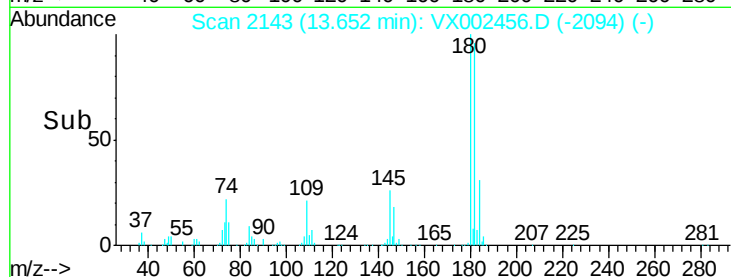
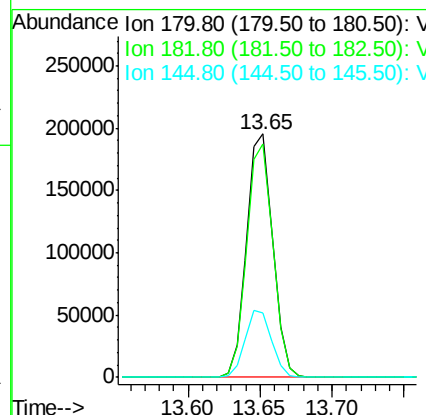
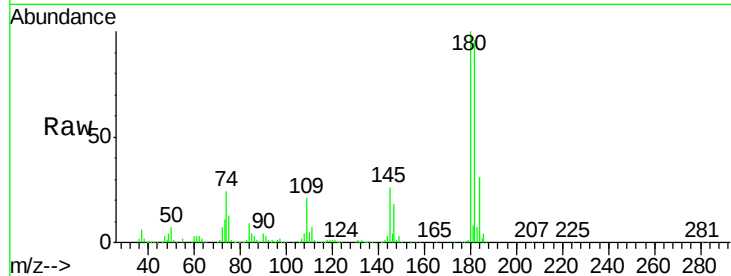
#93
 1,2,4-Trichlorobenzene
 Concen: 49.14 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245639		
182	96.1	47.7	143.1	
145	27.8	14.1	42.4	

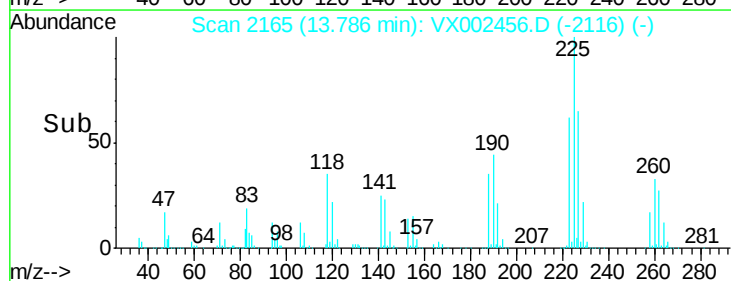
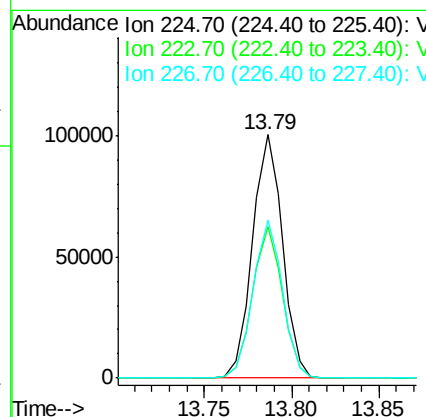
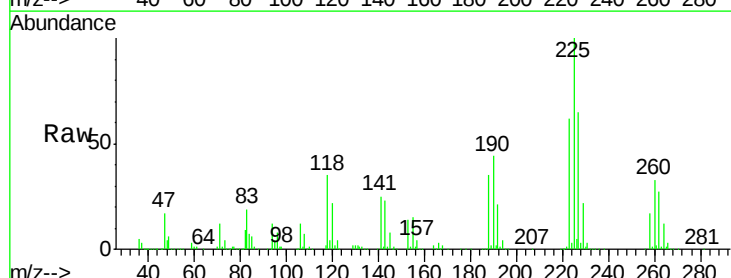
Manual Integrations
 APPROVED

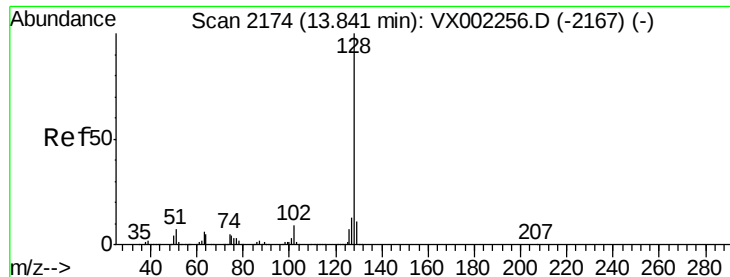
MMDadoda
 6/12/2018 4:50:32 PM



#94
 Hexachlorobutadiene
 Concen: 48.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002456.D
 Acq: 11 Jun 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120004		
223	61.6	31.6	95.0	
227	63.5	32.4	97.2	





#95

Naphthalene

Concen: 49.23 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Instrument :

MSVOA_X

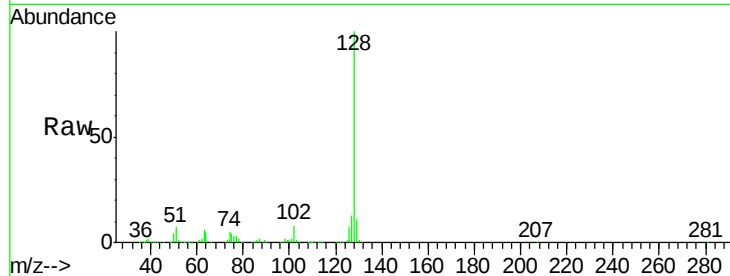
ClientSampleId :

VSTDCCC050EC

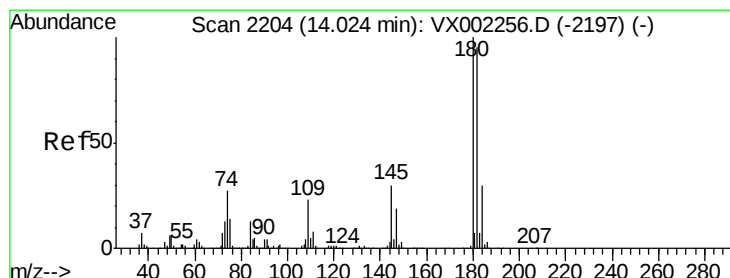
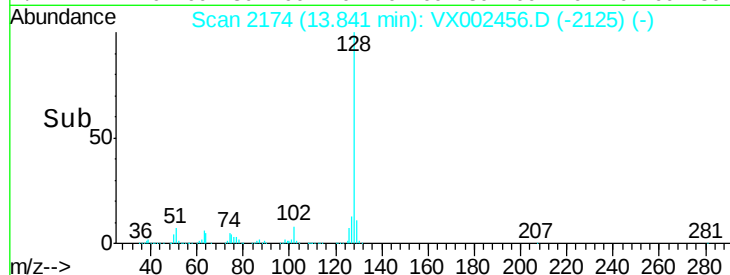
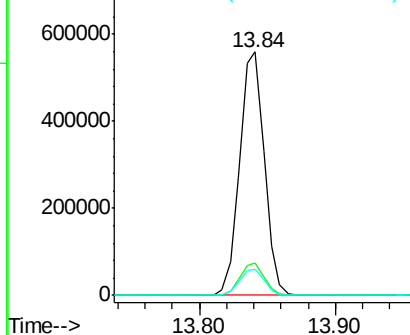
Tot Ion:	128	Resp:	706968
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/12/2018 4:50:32 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 49.61 ug/l

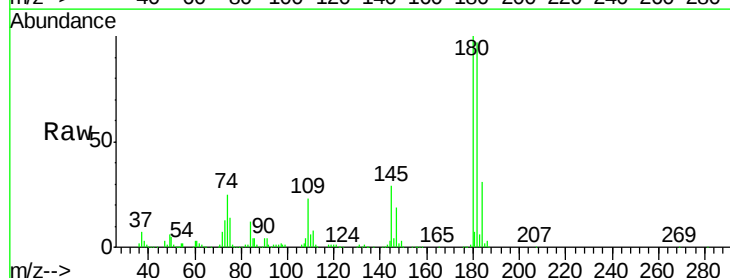
RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002456.D

Acq: 11 Jun 2018 21:08

Tgt Ion:	180	Resp:	252876
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.0
145	29.2	14.8	44.3



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

