

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002438.D
 Acq On : 11 Jun 2018 13:00
 Operator : JC/MD
 Sample : VX0611WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 5:07:01 PM

Quant Time: Jun 11 16:44:53 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	284624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	242527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	187988	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
35) Dibromofluoromethane	5.51	113	146641	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	8.72	98	565152	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.14	95	214392	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	54457	18.41	ug/l	99
3) Chloromethane	1.32	50	60376	15.85	ug/l	99
4) Vinyl Chloride	1.40	62	68207	18.29	ug/l	99
5) Bromomethane	1.64	94	35780	14.59	ug/l	98
6) Chloroethane	1.73	64	51121	21.19	ug/l	94
7) Trichlorofluoromethane	1.93	101	117042	20.60	ug/l	96
8) Diethyl Ether	2.19	74	41321	18.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67448	22.00	ug/l	99
10) Methyl Iodide	2.51	142	49836	11.56	ug/l	99
11) Tert butyl alcohol	3.06	59	74821	75.92	ug/l	98
12) 1,1-Dichloroethene	2.38	96	57831	19.09	ug/l	96
13) Acrolein	2.29	56	30890	69.39	ug/l	95
14) Allyl chloride	2.73	41	114894	17.47	ug/l	98
15) Acrylonitrile	3.15	53	168621	91.19	ug/l	99
16) Acetone	2.45	43	189580	96.53	ug/l	100
17) Carbon Disulfide	2.57	76	135689	16.99	ug/l	98
18) Methyl Acetate	2.78	43	81664	18.32	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	217215	19.11	ug/l	100
20) Methylene Chloride	2.86	84	65416	18.59	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	61303	18.35	ug/l	96
22) Diisopropyl ether	3.87	45	231858	20.22	ug/l	97
23) Vinyl Acetate	3.82	43	986874	92.58	ug/l	100
24) 1,1-Dichloroethane	3.70	63	122496	18.85	ug/l	99
25) 2-Butanone	4.70	43	229531	82.25	ug/l	100
26) 2,2-Dichloropropane	4.59	77	89269	17.57	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	64201	17.67	ug/l	94
28) Bromochloromethane	5.02	49	61492	20.12	ug/l	100
29) Tetrahydrofuran	5.16	42	140108	77.87	ug/l	99
30) Chloroform	5.22	83	110649	17.64	ug/l	98
31) Cyclohexane	5.58	56	94801	18.45	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	97190	18.27	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80072	19.18	ug/l	99
37) Ethyl Acetate	4.86	43	87125	17.35	ug/l	99
38) Carbon Tetrachloride	5.79	117	85477	19.57	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002438.D
 Acq On : 11 Jun 2018 13:00
 Operator : JC/MD
 Sample : VX0611WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 5:07:01 PM

Quant Time: Jun 11 16:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100366	19.62	ug/l	96
40) Benzene	6.15	78	235431	18.39	ug/l	99
41) Methacrylonitrile	5.06	41	51105	17.78	ug/l	98
42) 1,2-Dichloroethane	6.20	62	93168	18.32	ug/l	99
43) Isopropyl Acetate	6.46	43	148147	17.37	ug/l	99
44) Trichloroethene	7.21	130	67745	19.07	ug/l	95
45) 1,2-Dichloropropane	7.52	63	63189	18.28	ug/l	100
46) Dibromomethane	7.67	93	42586	18.18	ug/l	98
47) Bromodichloromethane	7.90	83	78208	18.46	ug/l	99
48) Methyl methacrylate	7.78	41	75507	17.63	ug/l	98
49) 1,4-Dioxane	7.75	88	27207	339.69	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	468369	88.19	ug/l	99
52) Toluene	8.79	92	155667	19.12	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	92642	18.23	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	86063	17.95	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	62842	18.77	ug/l	99
56) Ethyl methacrylate	9.18	69	94549	17.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	103968	18.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	257947	104.25	ug/l	99
59) 2-Hexanone	9.50	43	366302	89.30	ug/l	100
60) Dibromochloromethane	9.59	129	62435	18.54	ug/l	100
61) 1,2-Dibromoethane	9.68	107	64772	18.55	ug/l	100
64) Tetrachloroethene	9.34	164	74073	19.12	ug/l	95
65) Chlorobenzene	10.14	112	179746	19.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	64248	18.98	ug/l	99
67) Ethyl Benzene	10.26	91	311513	19.91	ug/l	98
68) m/p-Xylenes	10.36	106	238215	39.17	ug/l	100
69) o-Xylene	10.70	106	116908	19.32	ug/l	99
70) Styrene	10.71	104	189489	19.15	ug/l	99
71) Bromoform	10.86	173	46512	17.74	ug/l #	100
73) Isopropylbenzene	11.02	105	323508	19.18	ug/l	100
74) N-amyl acetate	6.46	43	148147	16.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91875	17.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	82086m	15.42	ug/l	
77) Bromobenzene	11.26	156	85294	18.01	ug/l	100
78) n-propylbenzene	11.37	91	372220	19.85	ug/l	99
79) 2-Chlorotoluene	11.43	91	216289	18.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	275401	19.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23865	15.72	ug/l	93
82) 4-Chlorotoluene	11.51	91	257576	18.85	ug/l	99
83) tert-Butylbenzene	11.77	119	270139	19.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	282585	18.97	ug/l	100
85) sec-Butylbenzene	11.95	105	338907	20.51	ug/l	100
86) p-Isopropyltoluene	12.07	119	305895	20.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	160464	18.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	162797	18.65	ug/l	100
89) n-Butylbenzene	12.39	91	273818	21.70	ug/l	100
90) Hexachloroethane	12.60	117	43431	18.08	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	159945	18.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20016	17.25	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061118\
Data File : VX002438.D
Acq On : 11 Jun 2018 13:00
Operator : JC/MD
Sample : VX0611WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

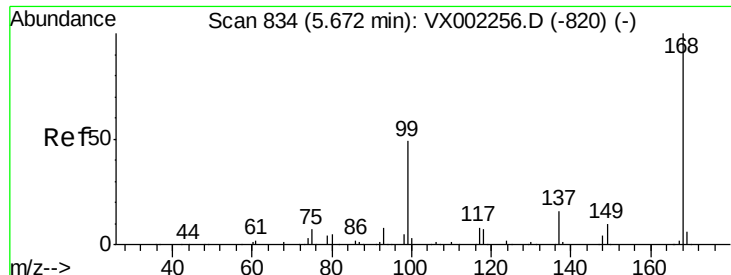
Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM

Quant Time: Jun 11 16:44:53 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	123615	20.12	ug/l	97
94) Hexachlorobutadiene	13.79	225	67642	22.28	ug/l	100
95) Naphthalene	13.84	128	322193	18.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121718	19.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion:168 Resp: 284624

Ion Ratio Lower Upper

168 100

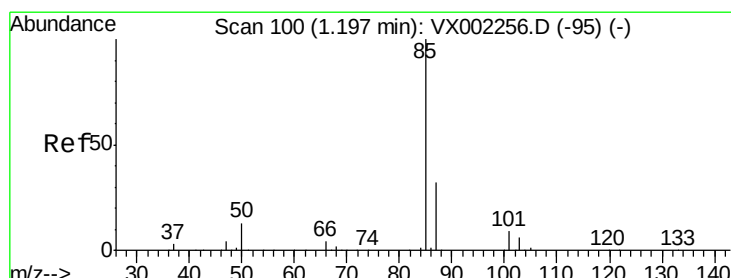
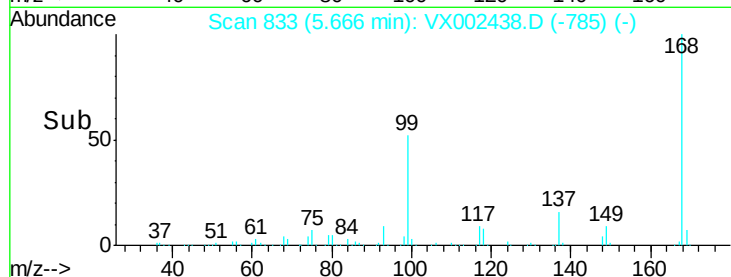
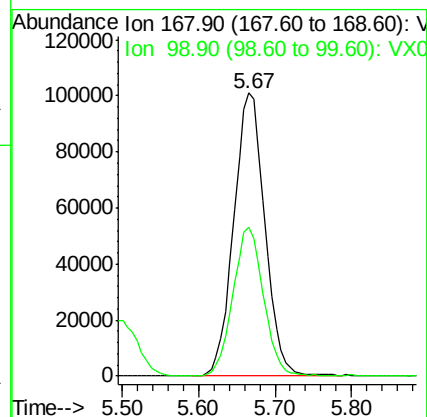
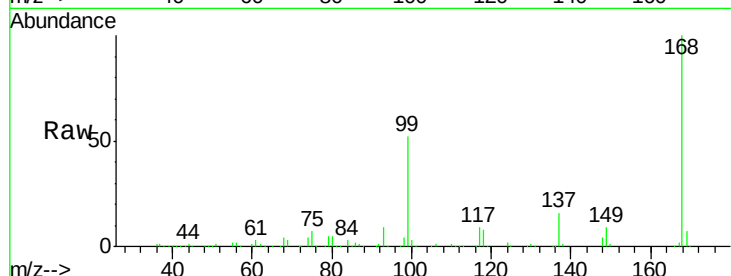
99 52.2 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#2

Dichlorodifluoromethane

Concen: 18.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002438.D

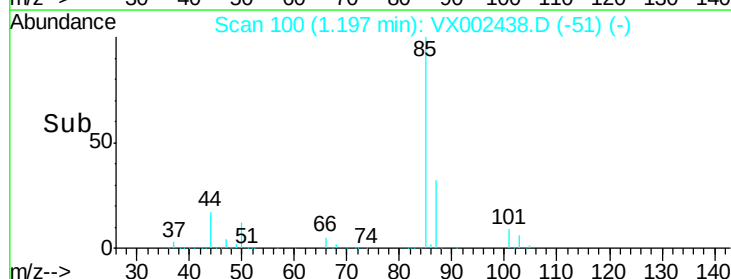
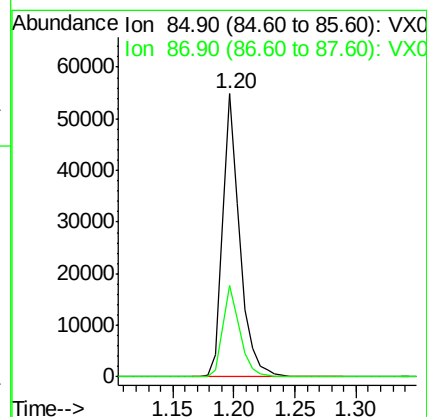
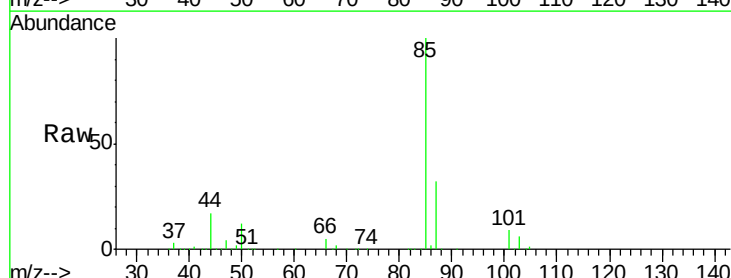
Acq: 11 Jun 2018 13:00

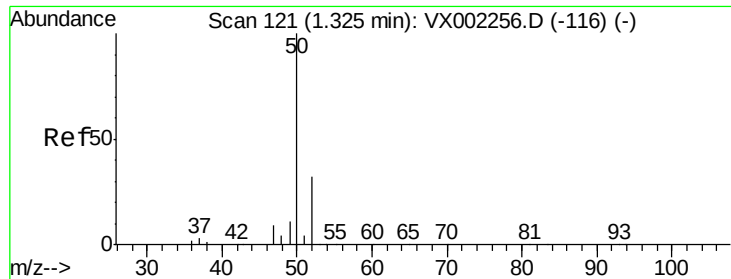
Tgt Ion: 85 Resp: 54457

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9





#3

Chloromethane

Concen: 15.85 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 50 Resp: 60376

Ion Ratio Lower Upper

50 100

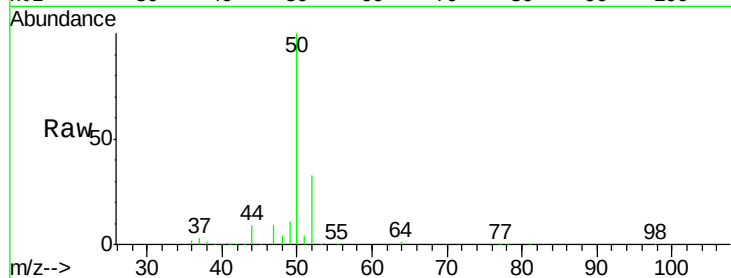
52 32.8 25.7 38.5

Manual Integrations

APPROVED

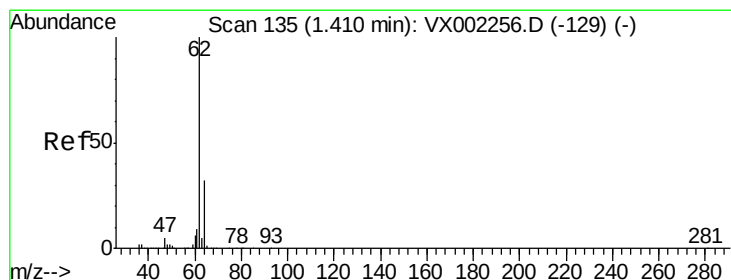
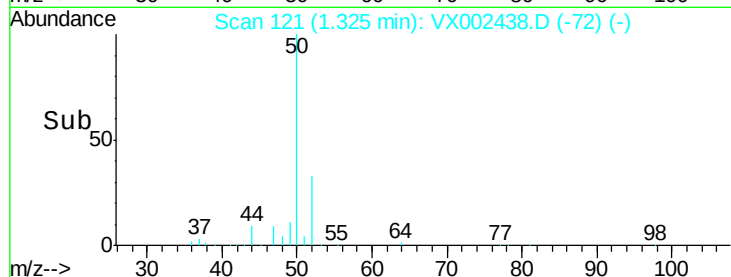
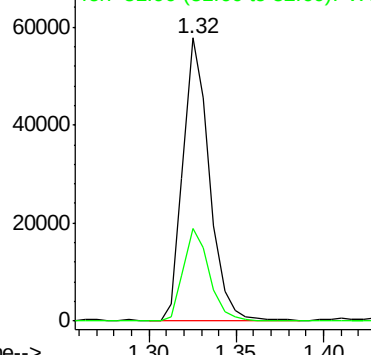
MMDadoda

6/11/2018 5:07:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002438.D

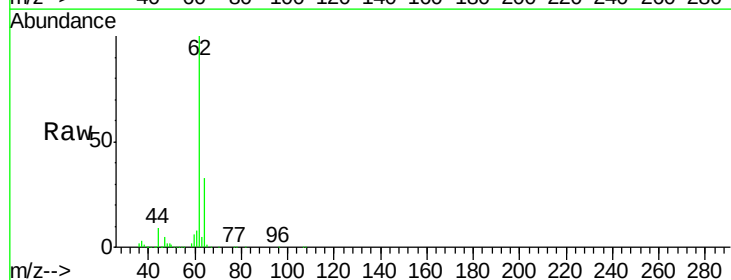
Acq: 11 Jun 2018 13:00

Tgt Ion: 62 Resp: 68207

Ion Ratio Lower Upper

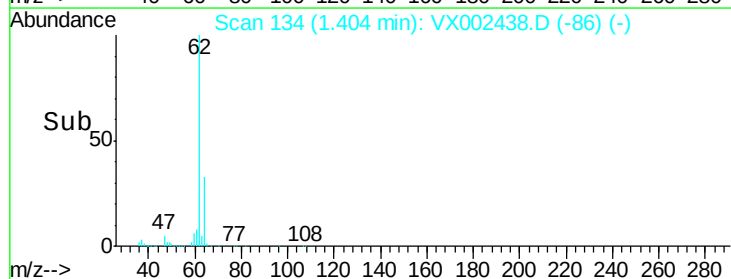
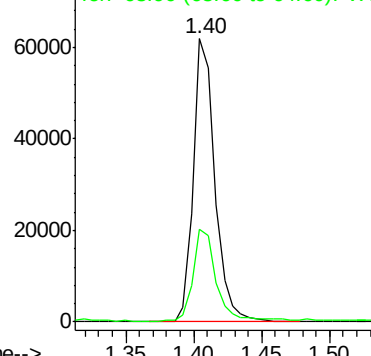
62 100

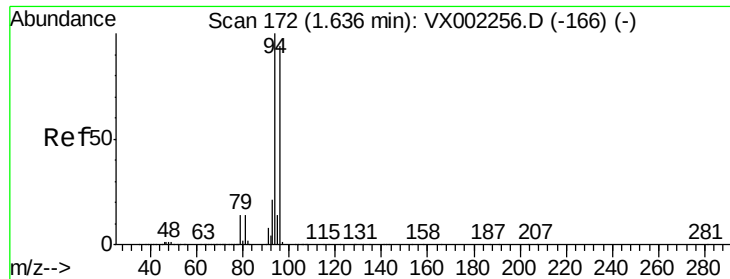
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.59 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 94 Resp: 35780

Ion Ratio Lower Upper

94 100

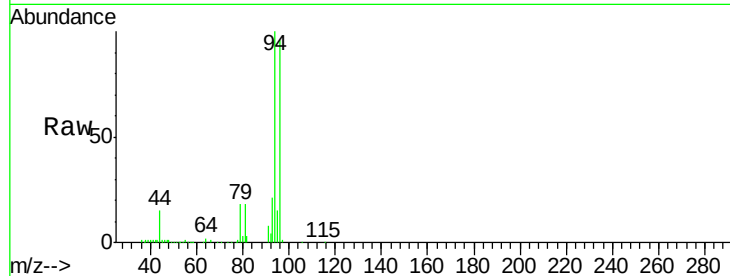
96 95.7 74.9 112.3

Manual Integrations

APPROVED

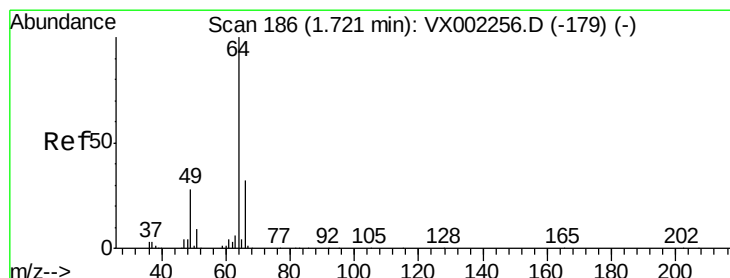
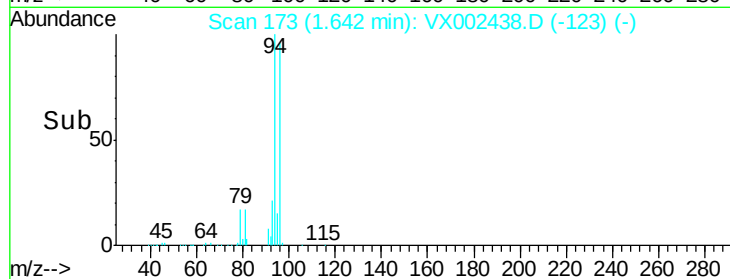
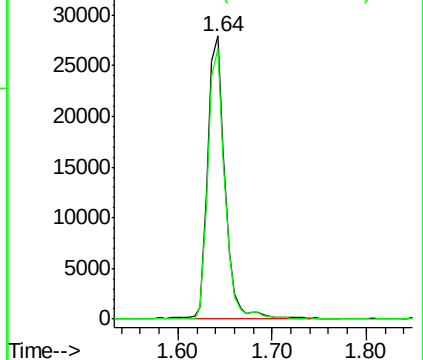
MMDadoda

6/11/2018 5:07:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.19 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002438.D

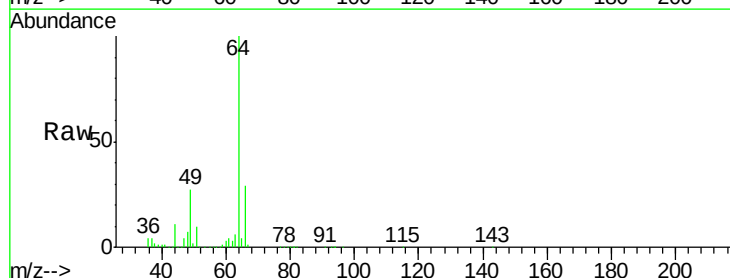
Acq: 11 Jun 2018 13:00

Tgt Ion: 64 Resp: 51121

Ion Ratio Lower Upper

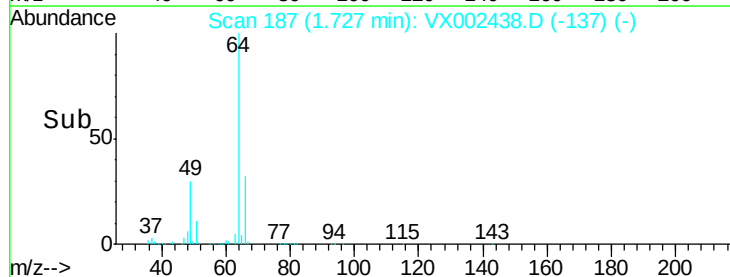
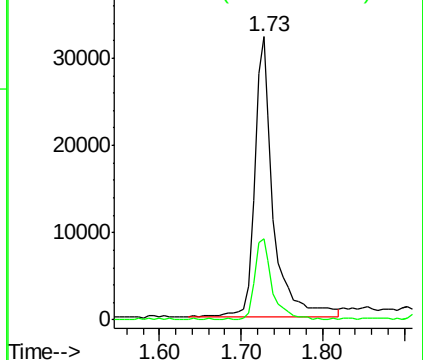
64 100

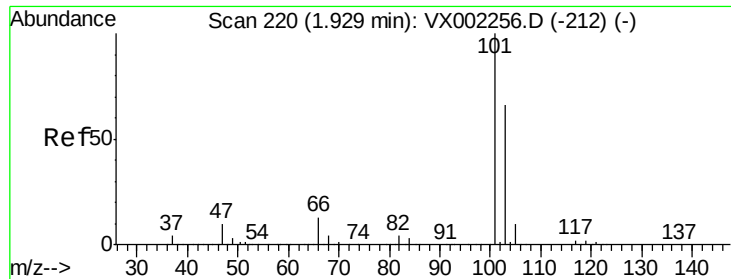
66 28.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

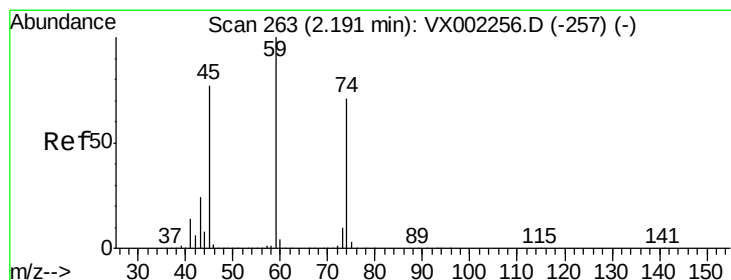
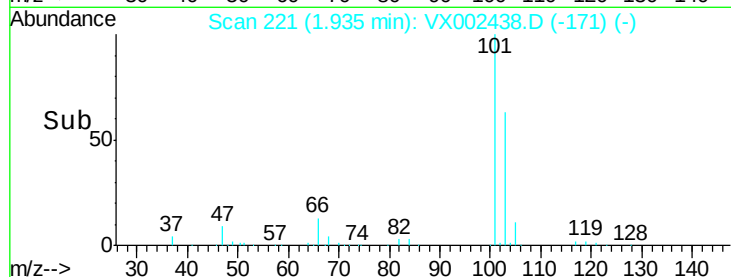
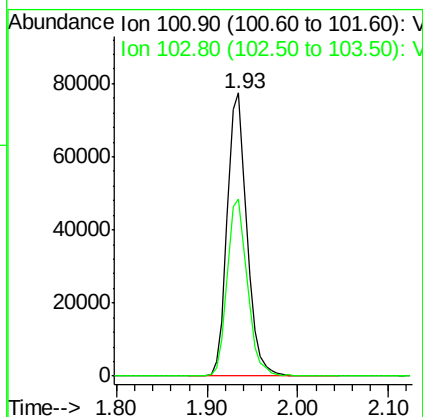
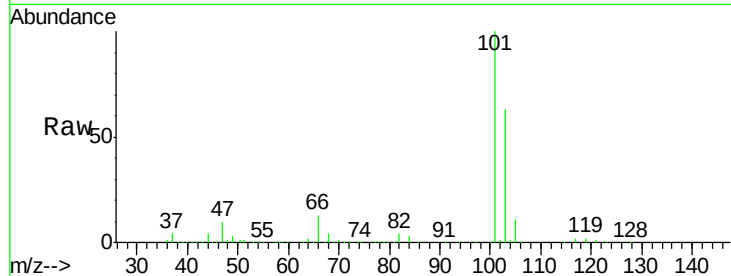
Trichlorofluoromethane
Concen: 20.60 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VX0611WBS01

Tot Ion:101 Resp: 117042
Ion Ratio Lower Upper
101 100
103 62.5 52.8 79.2

Manual Integrations
APPROVED

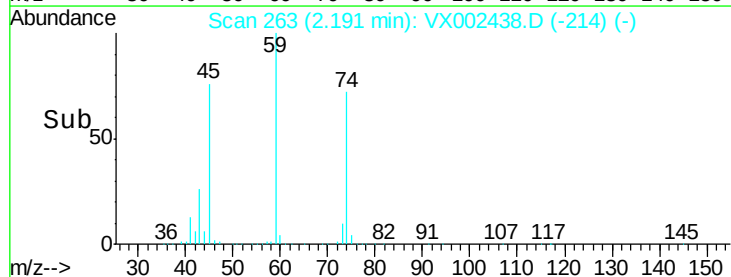
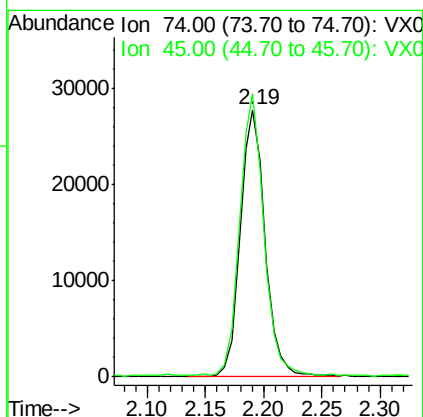
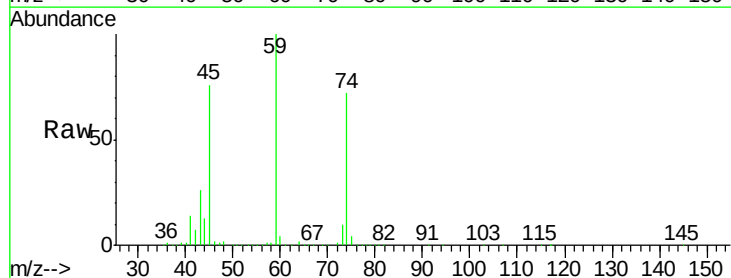
MMDadoda
6/11/2018 5:07:01 PM

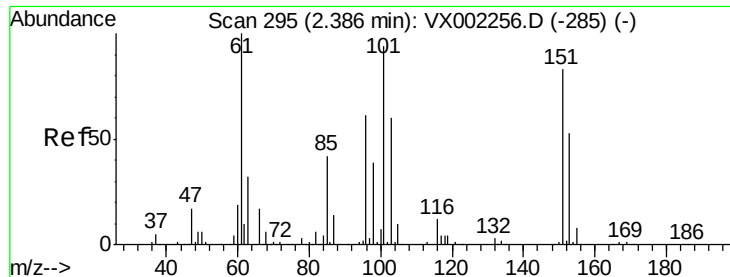


#8

Diethyl Ether
Concen: 18.98 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion: 74 Resp: 41321
Ion Ratio Lower Upper
74 100
45 102.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.00 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

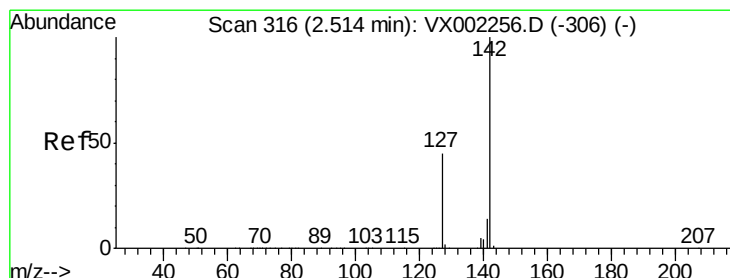
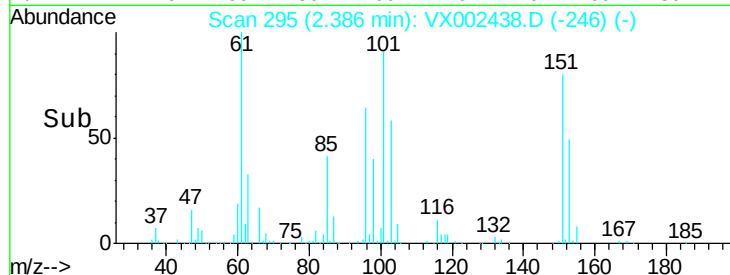
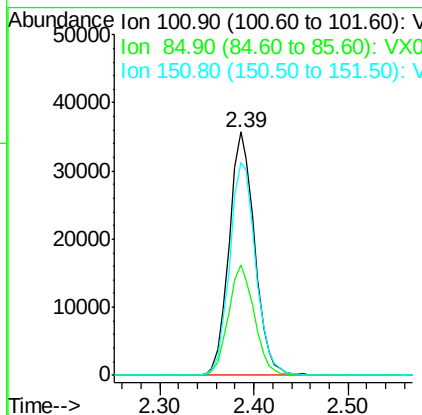
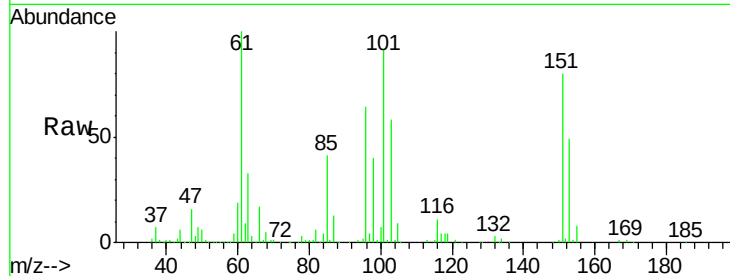
ClientSampleId :

VX0611WBS01

Tot Ion:	101	Resp:	67448
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	89.3	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



#10

Methyl Iodide

Concen: 11.56 ug/l

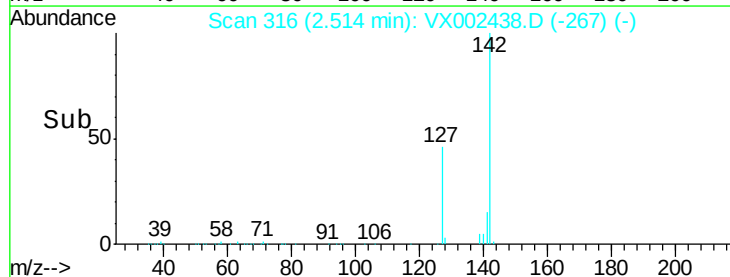
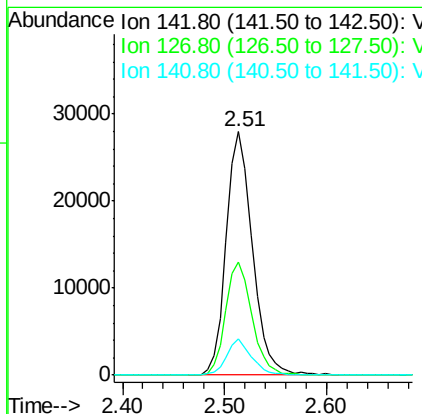
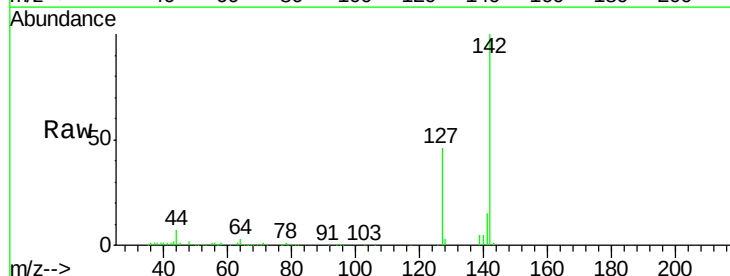
RT: 2.51 min Scan# 316

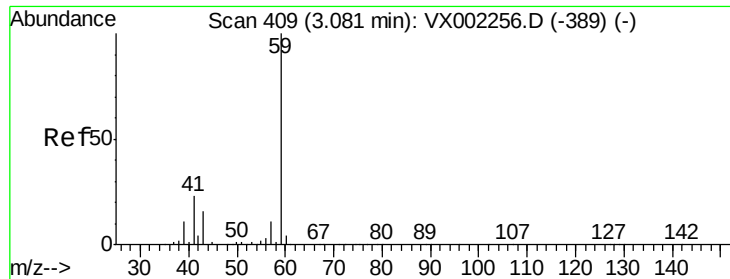
Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion:	142	Resp:	49836
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.6	55.0
141	14.1	11.3	16.9





#11

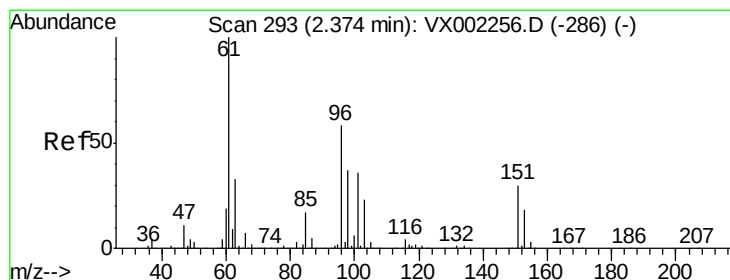
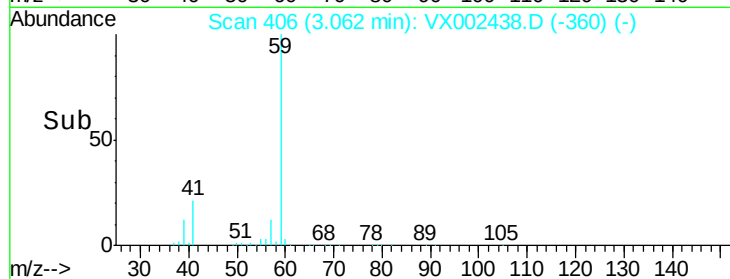
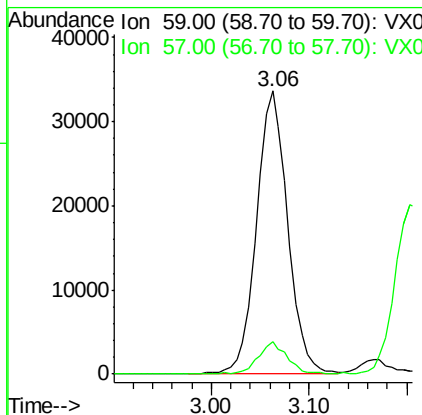
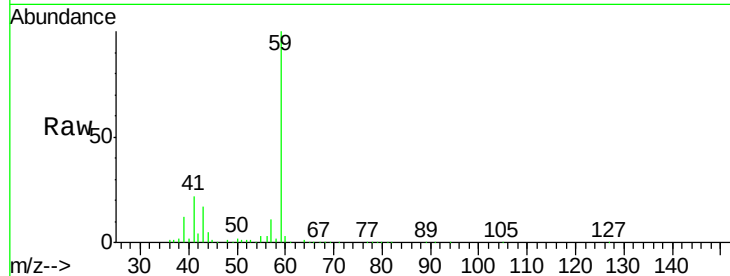
Tert butyl alcohol
Concen: 75.92 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
APPROVED

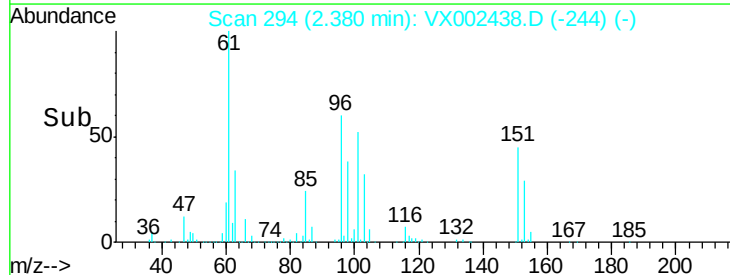
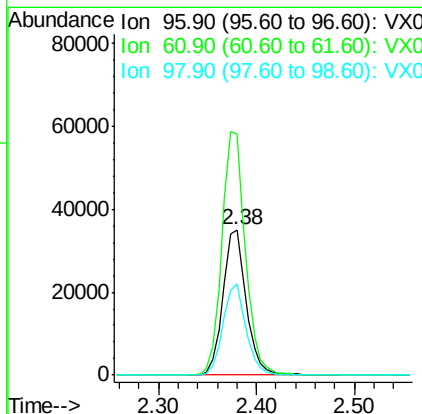
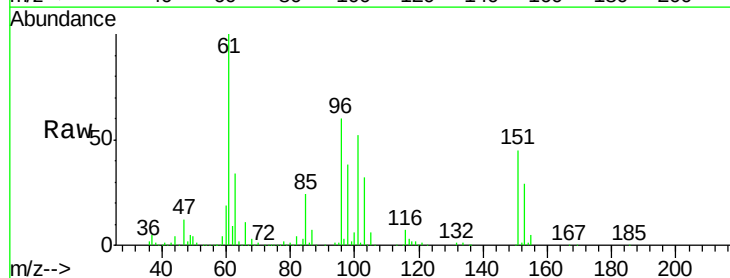
MMDadoda
6/11/2018 5:07:01 PM

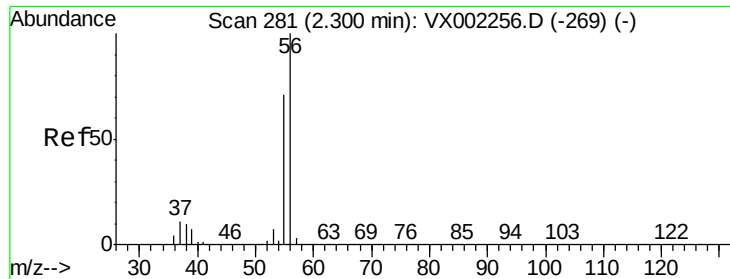


#12

1,1-Dichloroethene
Concen: 19.09 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	137.9	206.9
98	62.5	51.6	77.4





#13

Acrolein

Concen: 69.39 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 56 Resp: 30890

Ion Ratio Lower Upper

56 100

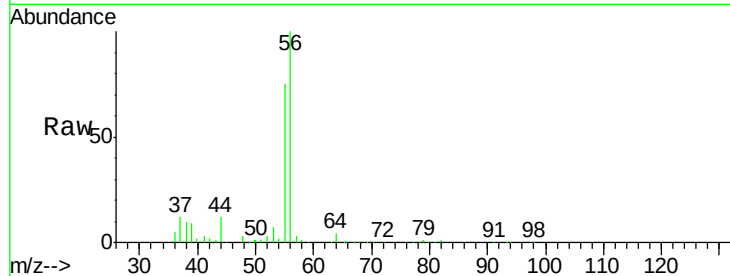
55 75.3 57.0 85.4

Manual Integrations

APPROVED

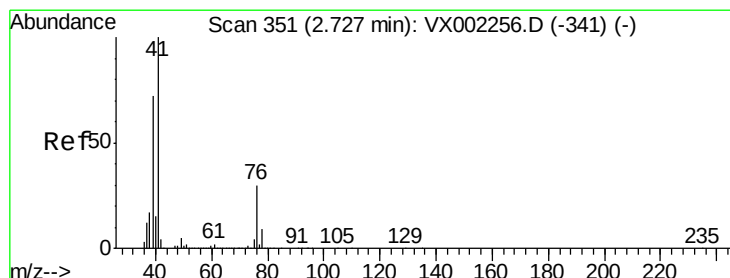
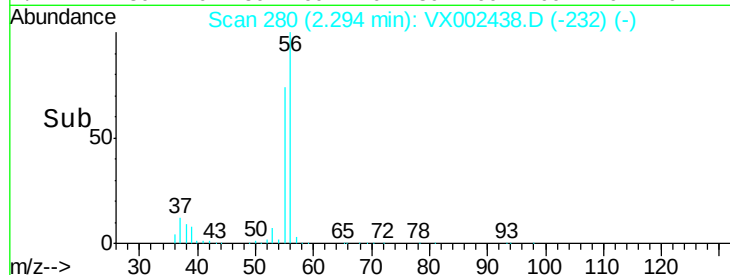
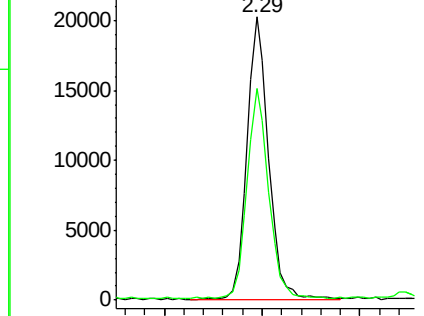
MMDadoda

6/11/2018 5:07:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.47 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

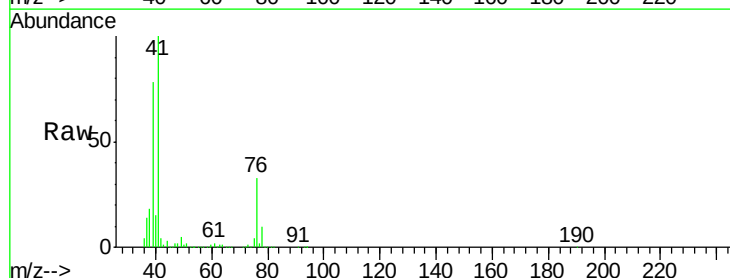
Tgt Ion: 41 Resp: 114894

Ion Ratio Lower Upper

41 100

39 72.8 56.8 85.2

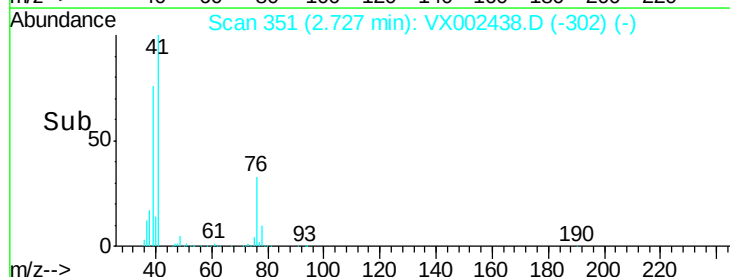
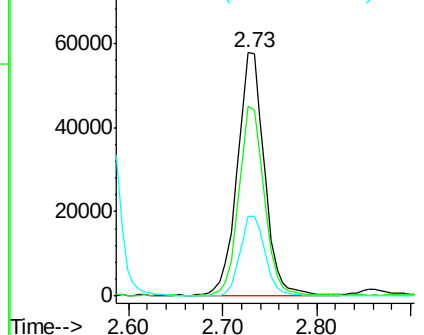
76 30.4 23.8 35.8

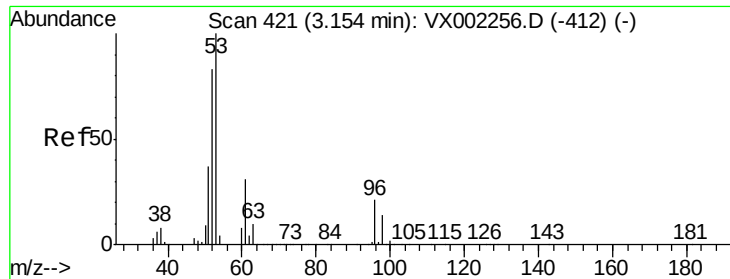


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 91.19 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

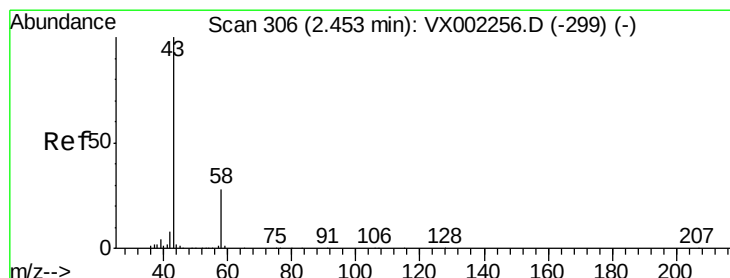
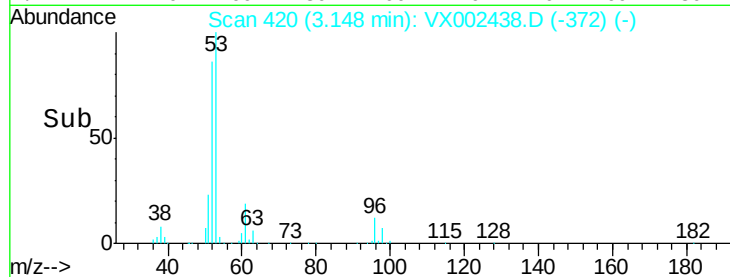
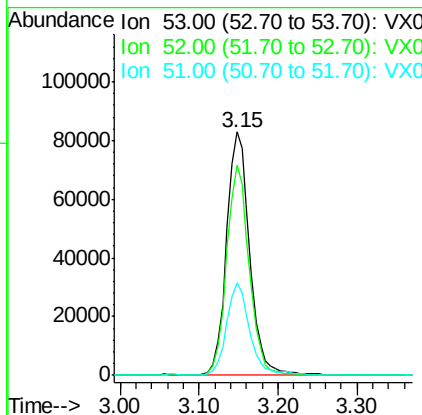
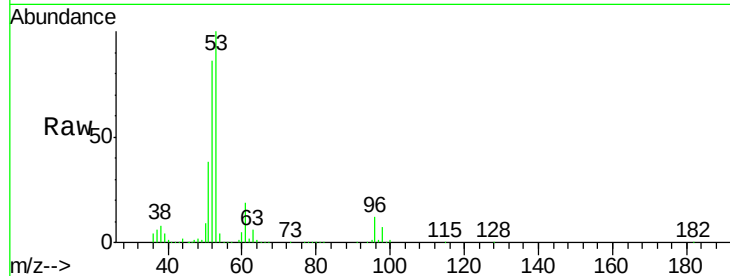
ClientSampled :

VX0611WBS01

Tot Ion:	53	Resp:	168621
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.7	100.1
51	37.9	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



#16

Acetone

Concen: 96.53 ug/l

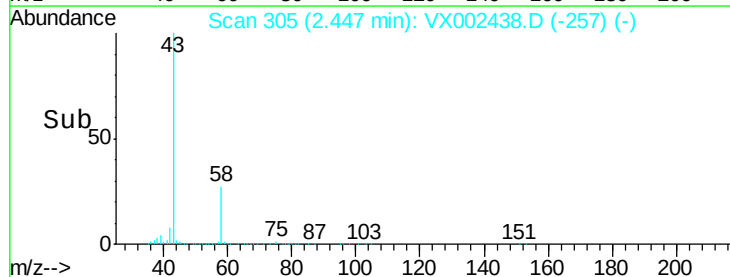
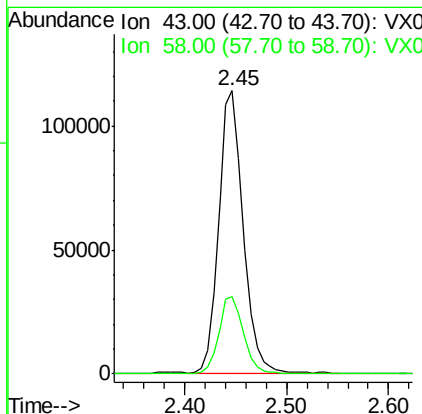
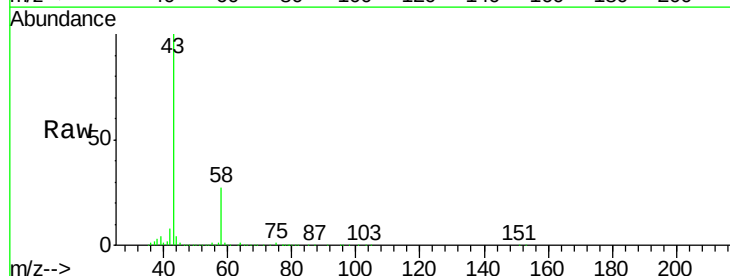
RT: 2.45 min Scan# 305

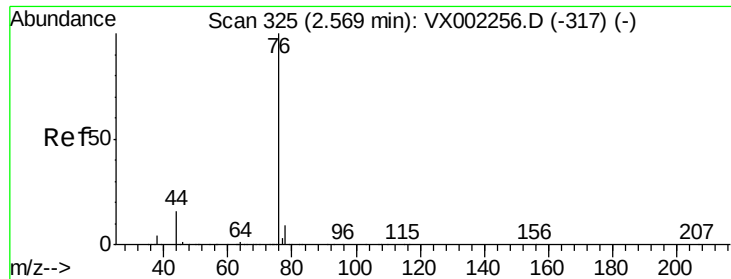
Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion:	43	Resp:	189580
Ion Ratio	Lower	Upper	
43	100		
58	27.4	22.1	33.1





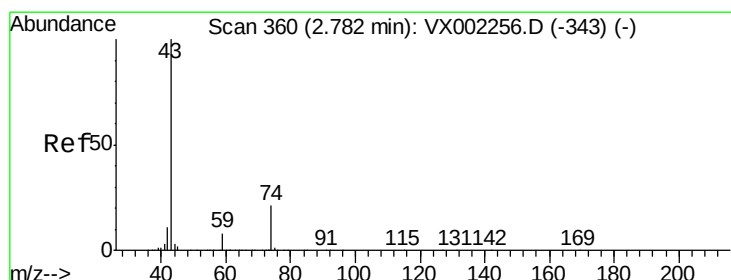
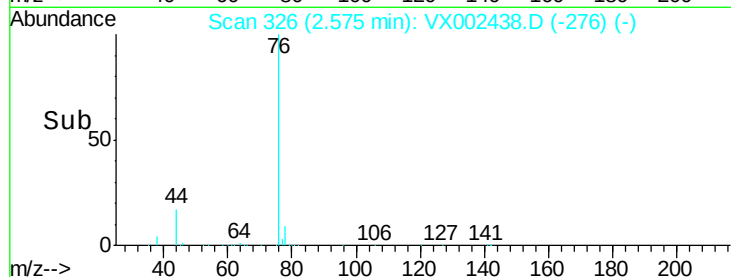
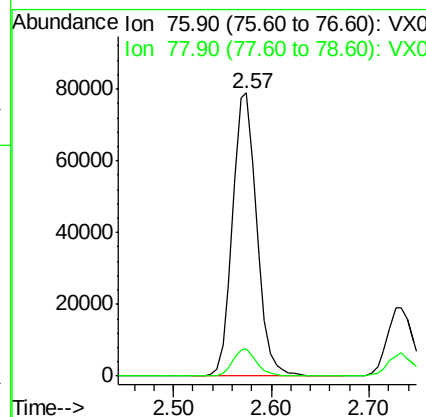
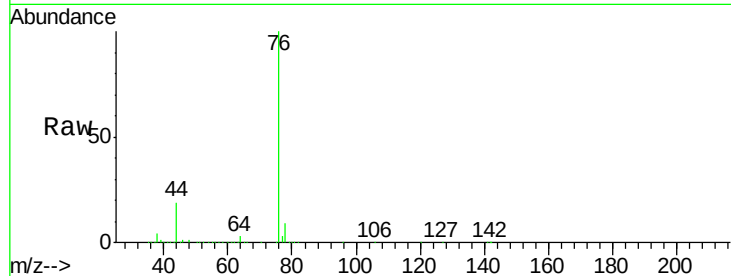
#17
Carbon Disulfide
Concen: 16.99 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

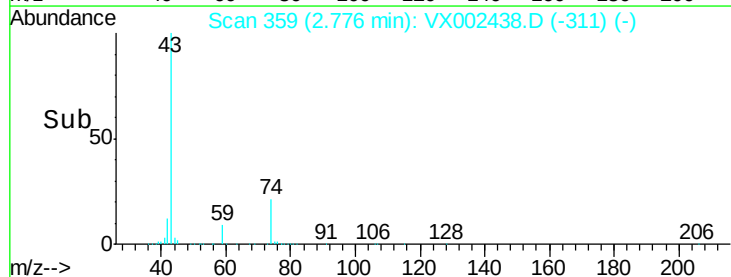
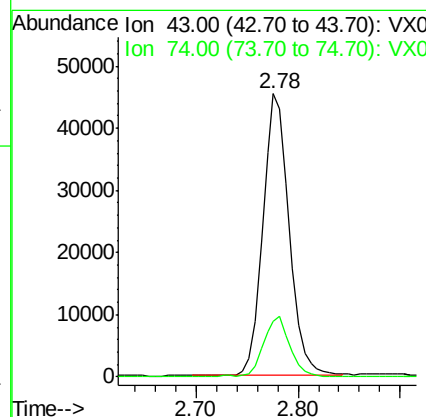
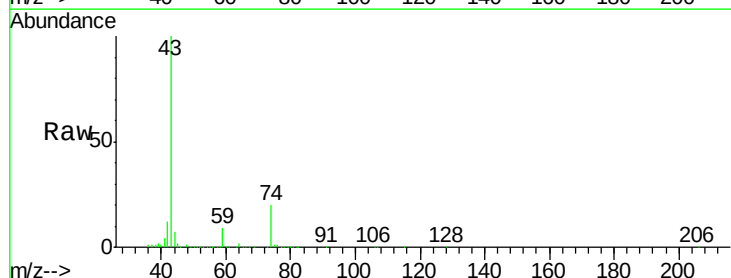
Manual Integrations
APPROVED

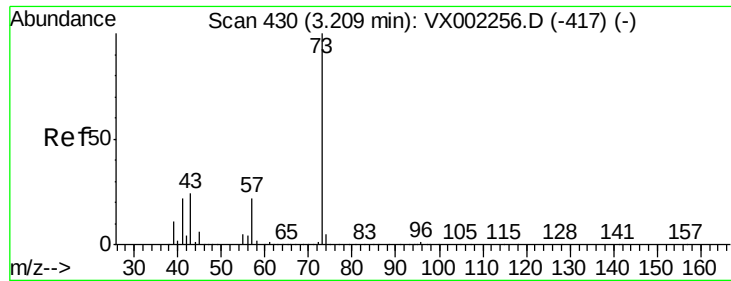
MMDadoda
6/11/2018 5:07:01 PM



#18
Methyl Acetate
Concen: 18.32 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1





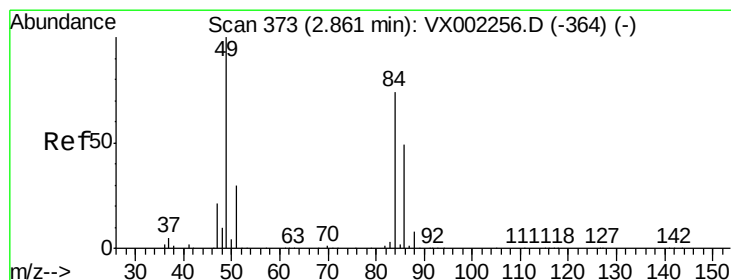
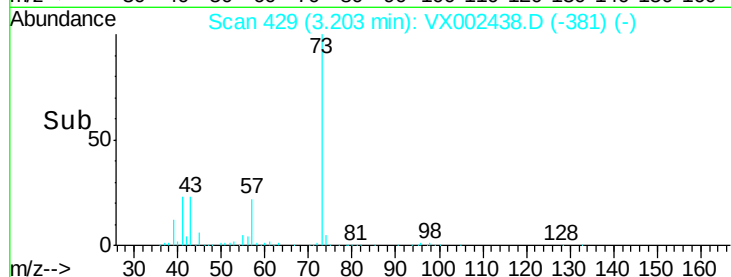
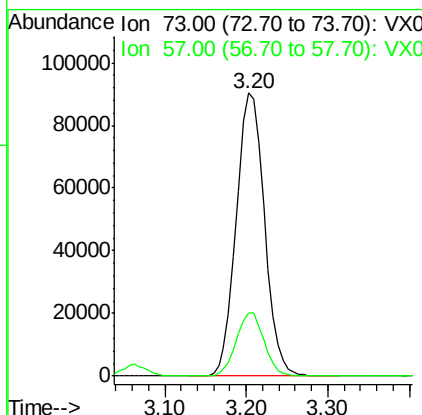
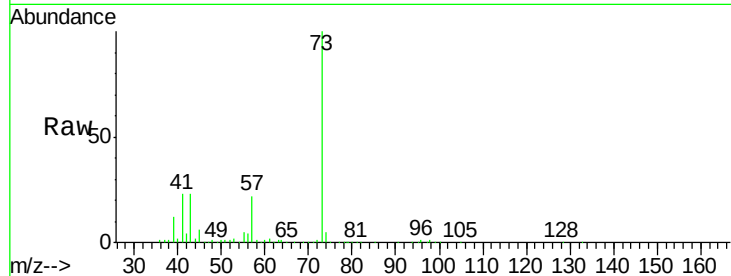
#19
Methyl tert-butyl Ether
Concen: 19.11 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VX0611WBS01

Tot Ion: 73 Resp: 217215
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

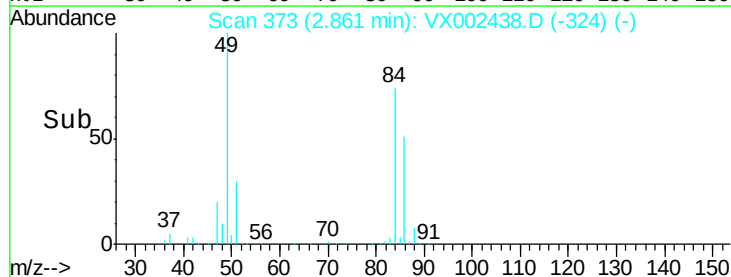
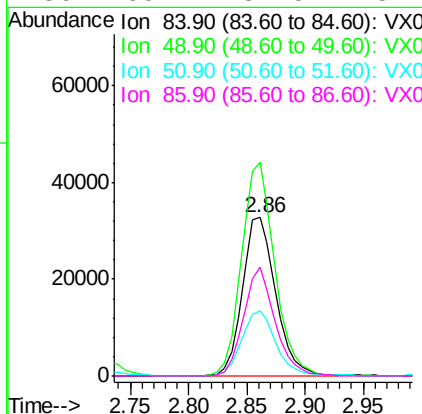
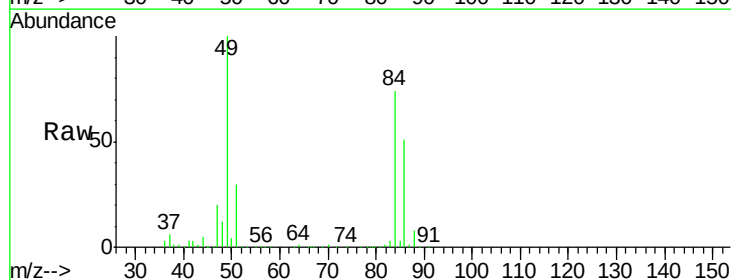
Manual Integrations
APPROVED

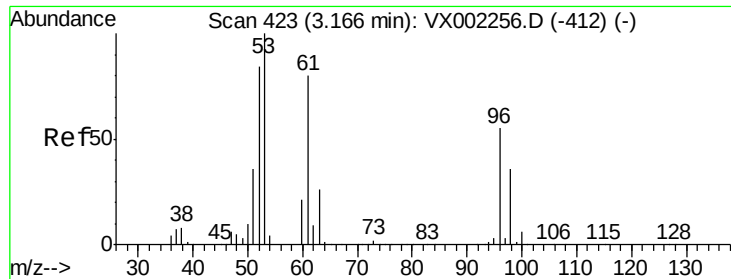
MMDadoda
6/11/2018 5:07:01 PM



#20
Methylene Chloride
Concen: 18.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion: 84 Resp: 65416
Ion Ratio Lower Upper
84 100
49 134.9 107.8 161.6
51 40.6 32.8 49.2
86 69.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 96 Resp: 61303

Ion Ratio Lower Upper

96 100

61 141.3 117.0 175.4

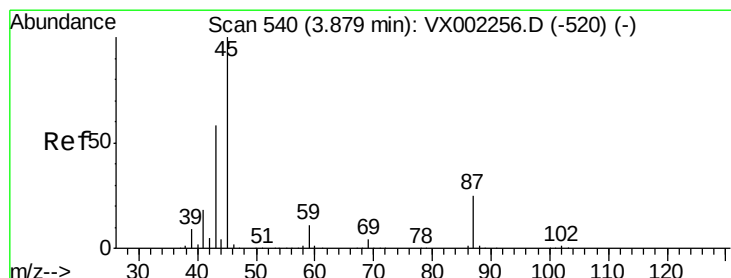
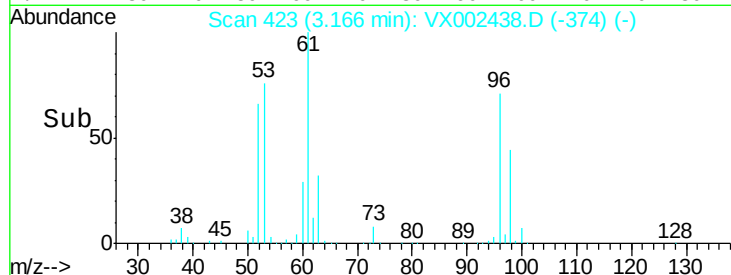
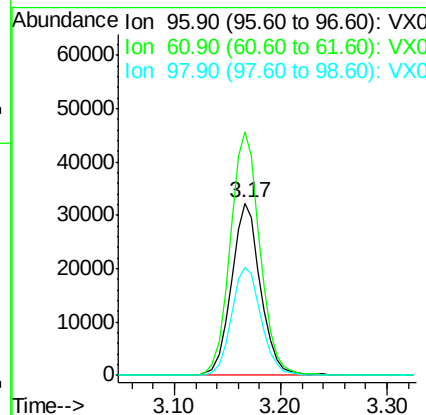
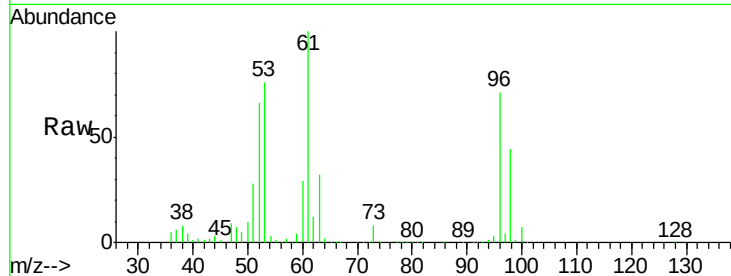
98 62.9 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#22

Diisopropyl ether

Concen: 20.22 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion: 45 Resp: 231858

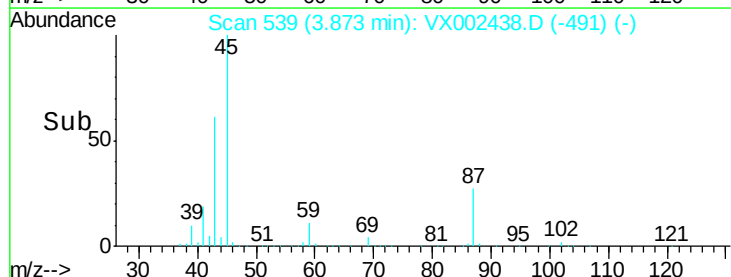
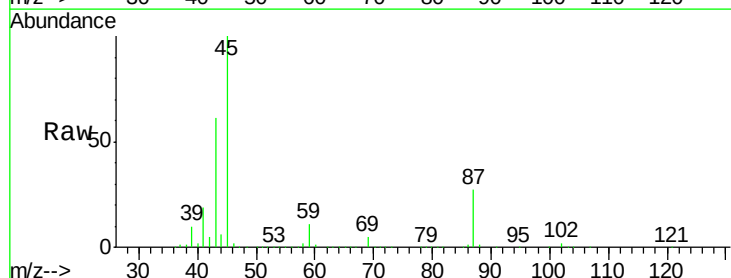
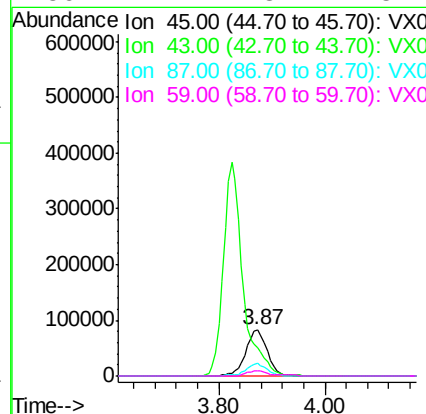
Ion Ratio Lower Upper

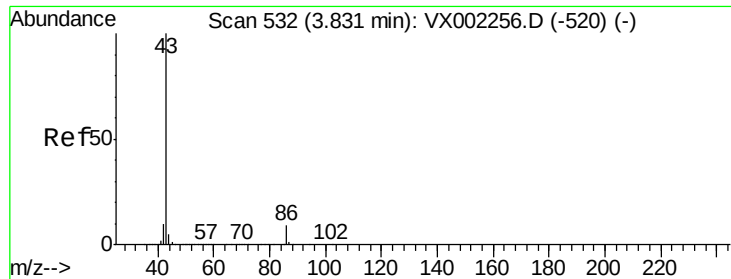
45 100

43 61.3 46.8 70.2

87 26.6 20.2 30.4

59 11.1 8.7 13.1





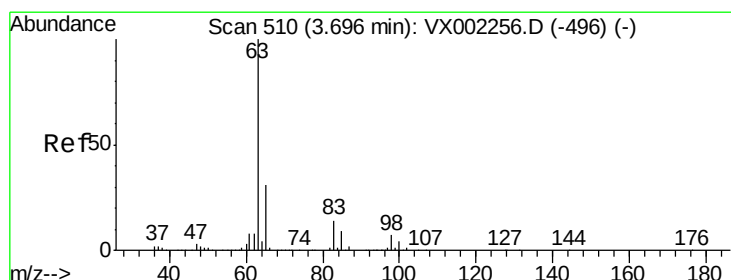
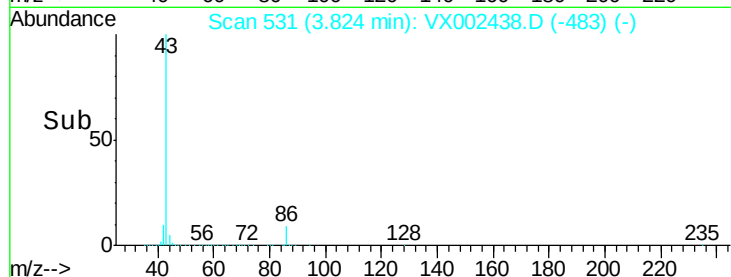
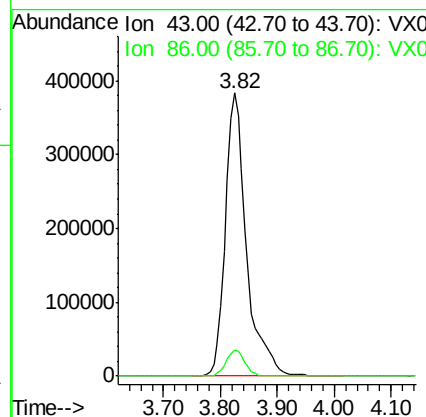
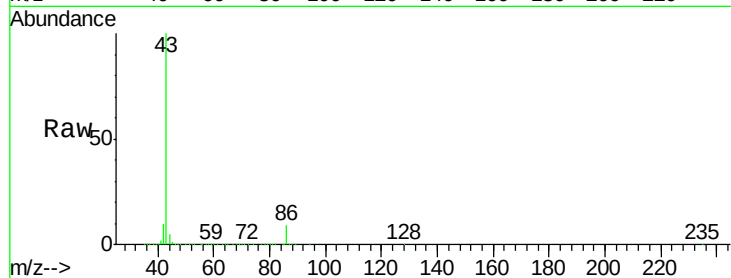
#23
 Vinyl Acetate
 Concen: 92.58 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Tot Ion	43	Resp	986874
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.4	11.0

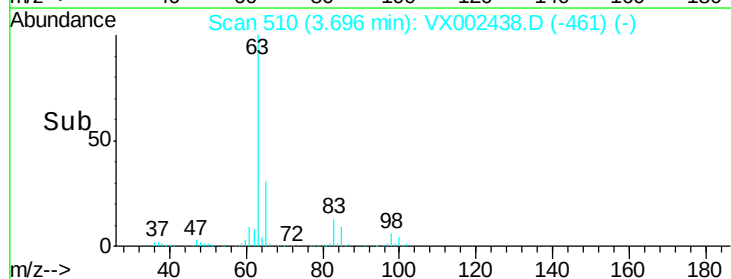
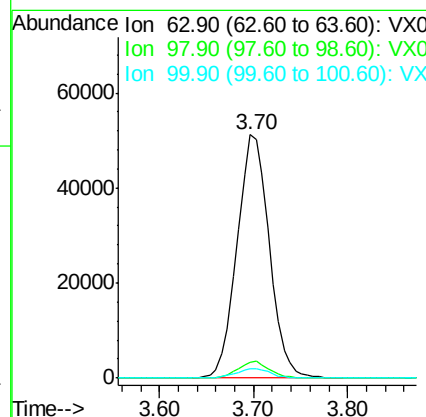
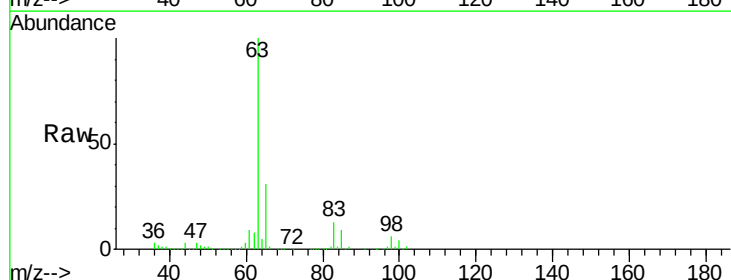
Manual Integrations
 APPROVED

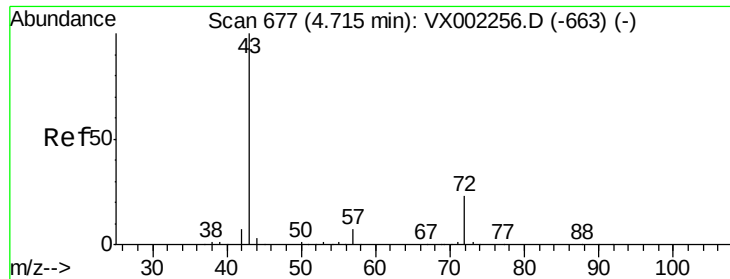
MMDadoda
 6/11/2018 5:07:01 PM



#24
 1,1-Dichloroethane
 Concen: 18.85 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	63	Resp	122496
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.4	10.2
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 82.25 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 43 Resp: 229531

Ion Ratio Lower Upper

43 100

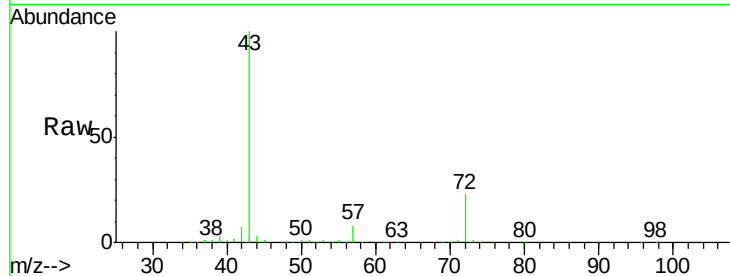
72 23.1 18.5 27.7

Manual Integrations

APPROVED

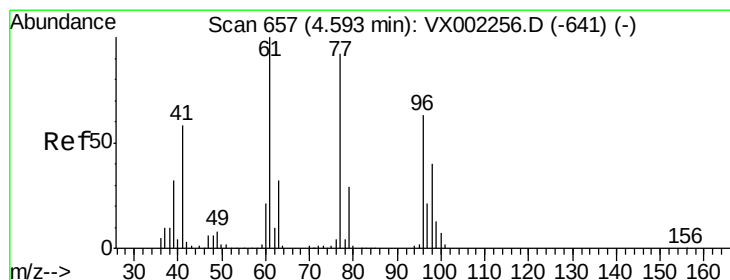
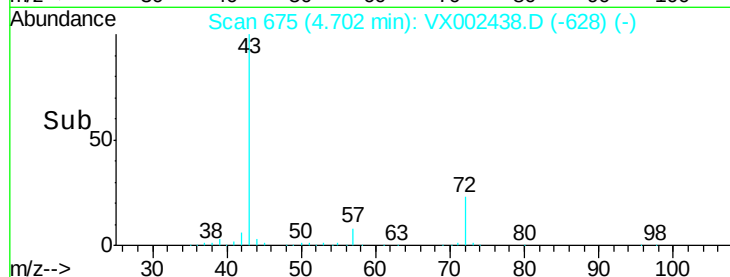
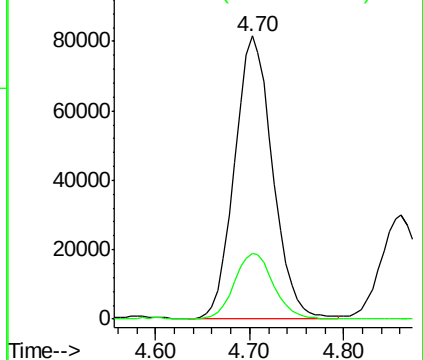
MMDadoda

6/11/2018 5:07:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.57 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002438.D

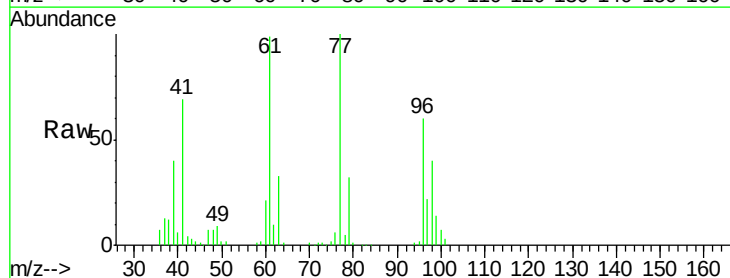
Acq: 11 Jun 2018 13:00

Tgt Ion: 77 Resp: 89269

Ion Ratio Lower Upper

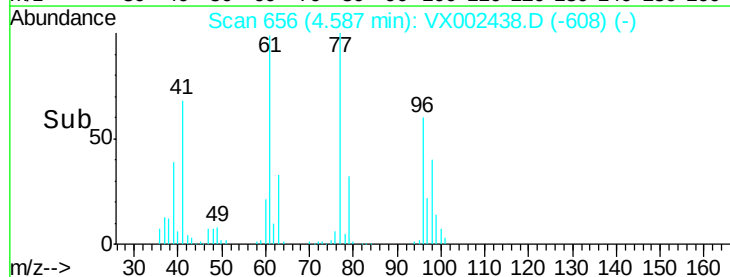
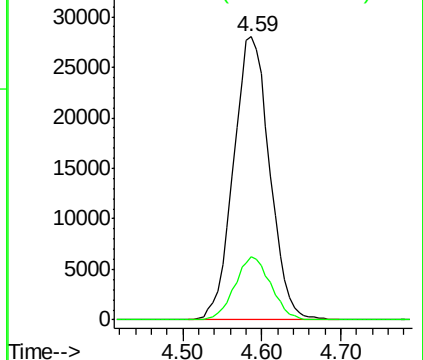
77 100

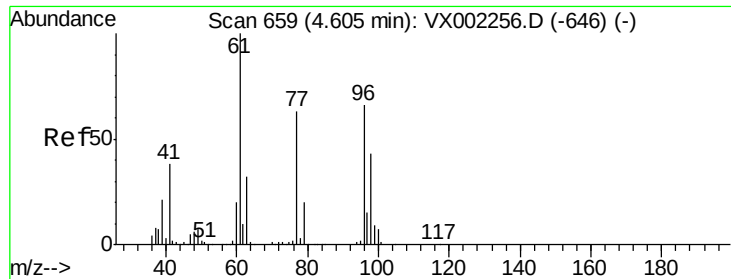
97 22.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 17.67 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

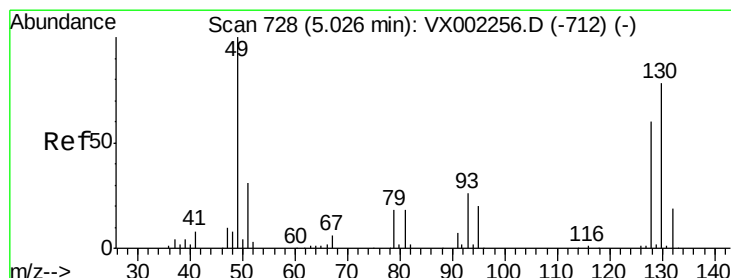
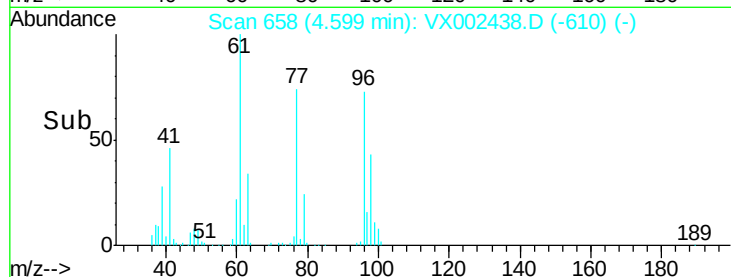
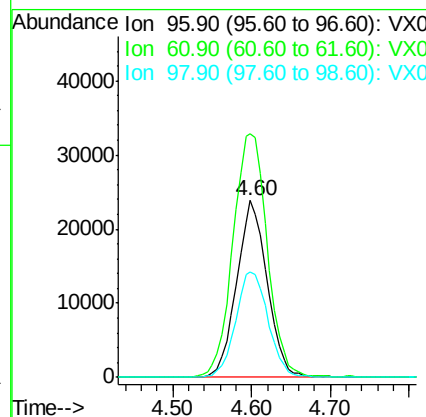
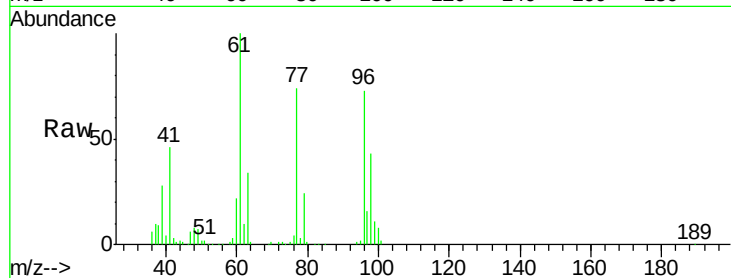
ClientSampled :

VX0611WBS01

Tot Ion:	96	Resp:	64201
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	330.2
98	63.3	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



#28

Bromochloromethane

Concen: 20.12 ug/l

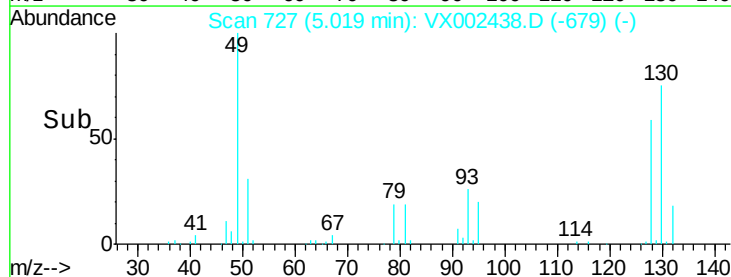
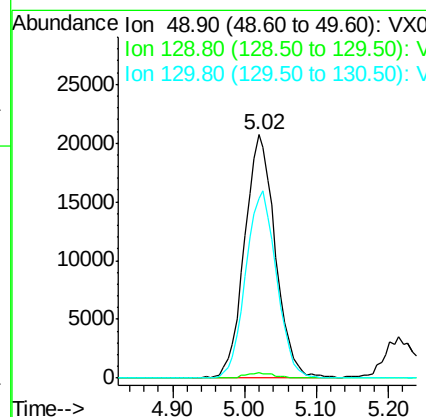
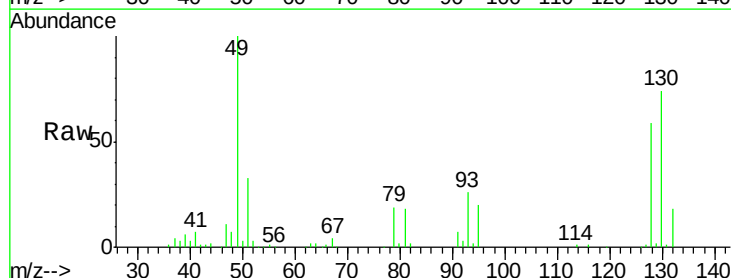
RT: 5.02 min Scan# 727

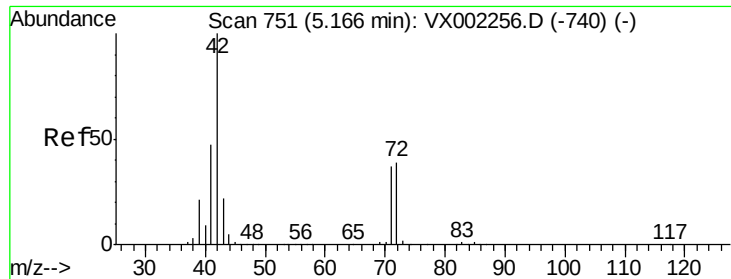
Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion:	49	Resp:	61492
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.9	61.2	91.8





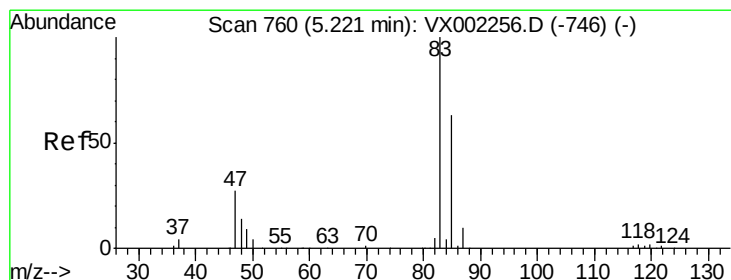
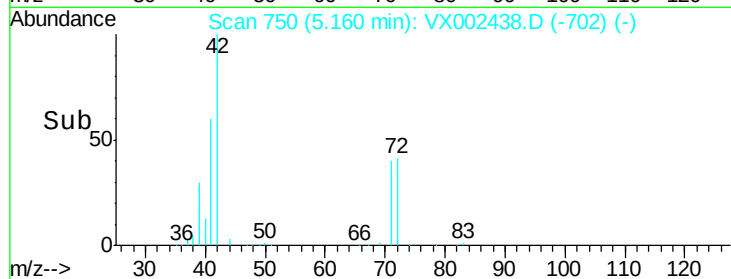
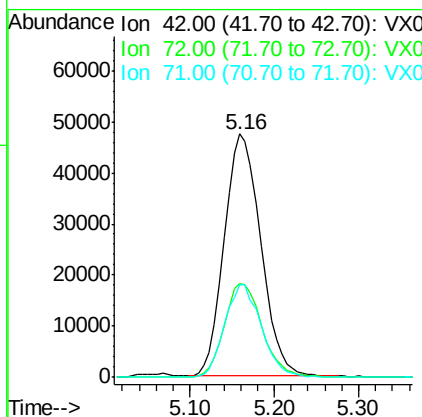
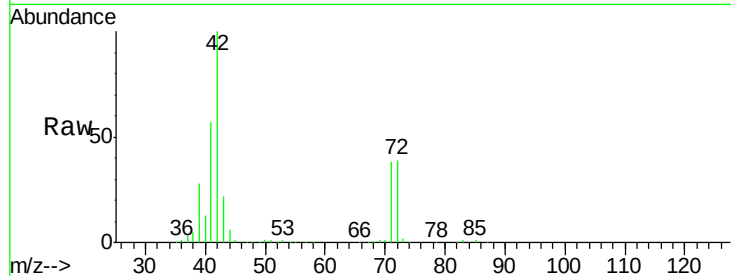
#29
Tetrahydrofuran
Concen: 77.87 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.6	30.1	45.1

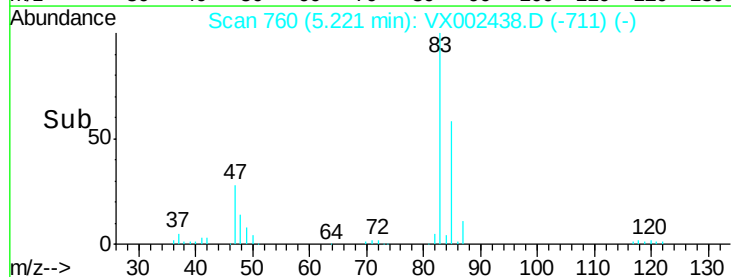
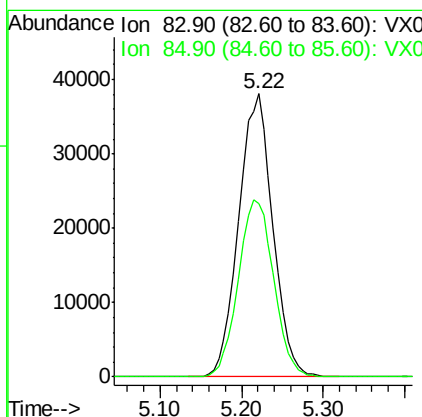
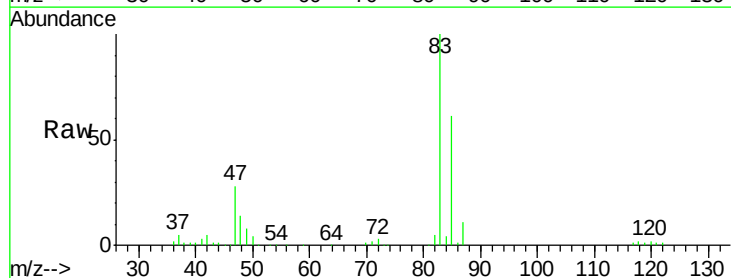
Manual Integrations
APPROVED

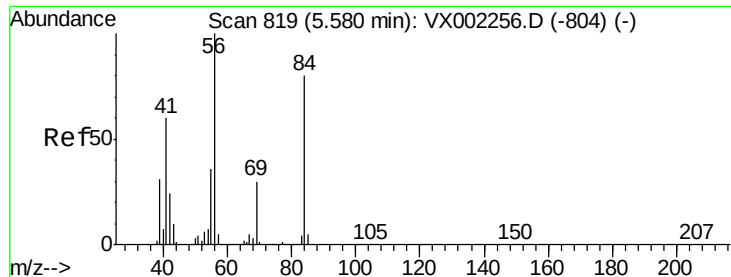
MMDadoda
6/11/2018 5:07:01 PM



#30
Chloroform
Concen: 17.64 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.4	75.6





#31

Cyclohexane

Concen: 18.45 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

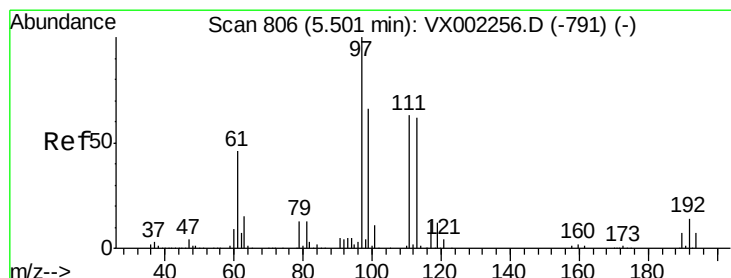
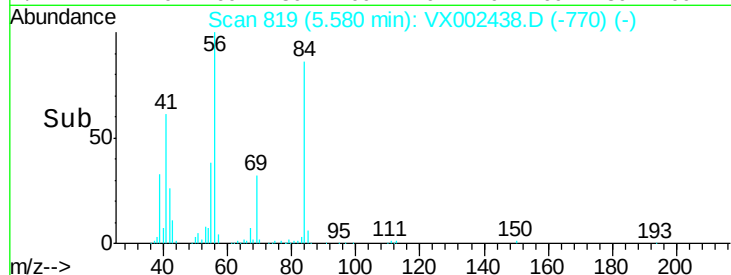
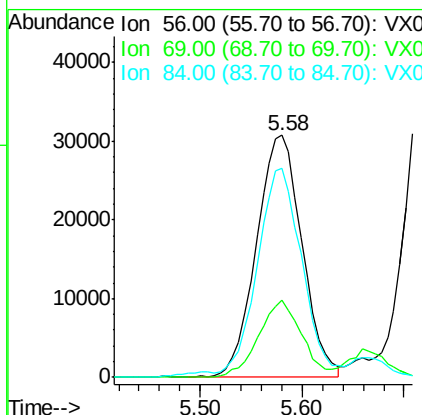
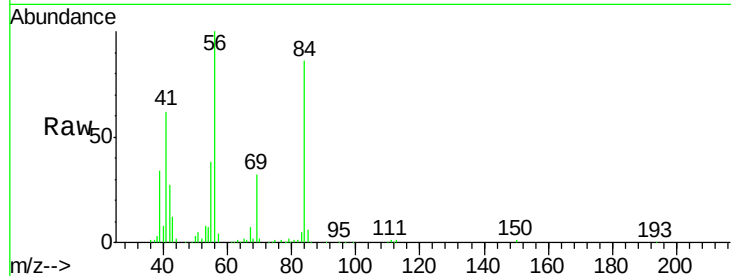
ClientSampleId :

VX0611WBS01

Tot Ion:	56	Resp:	94801
Ion Ratio	Lower	Upper	
56	100		
69	32.0	23.7	35.5
84	84.5	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



#32

1,1,1-Trichloroethane

Concen: 18.27 ug/l

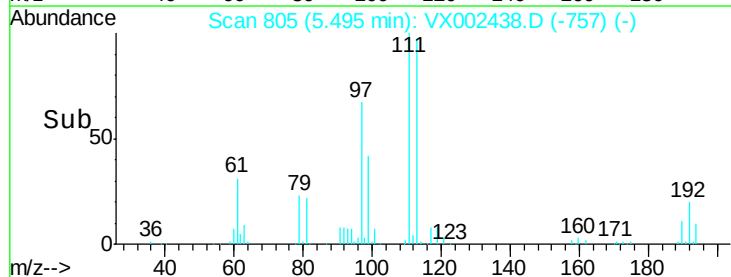
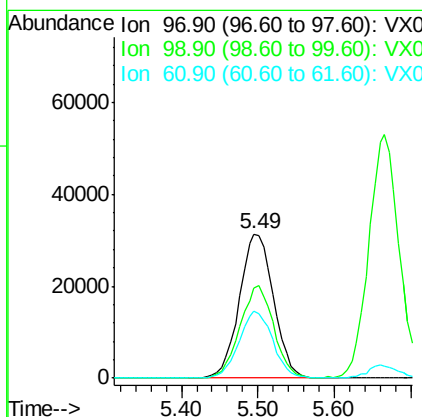
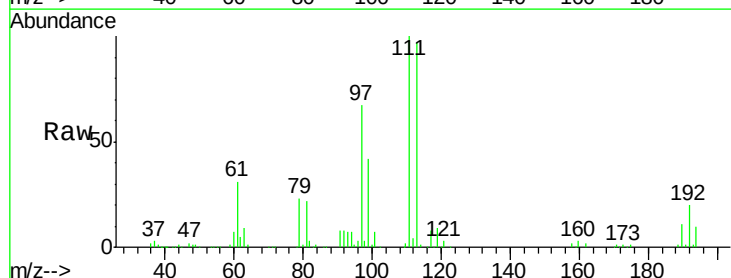
RT: 5.49 min Scan# 805

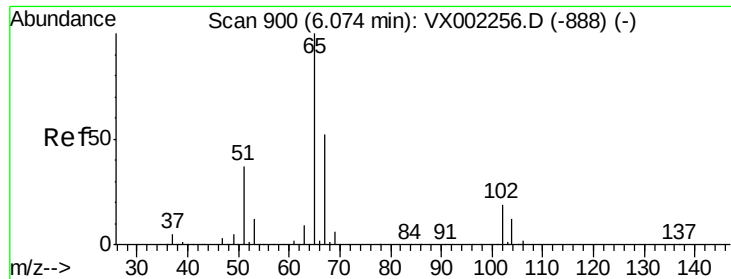
Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion:	97	Resp:	97190
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.6	77.4
61	46.0	36.4	54.6





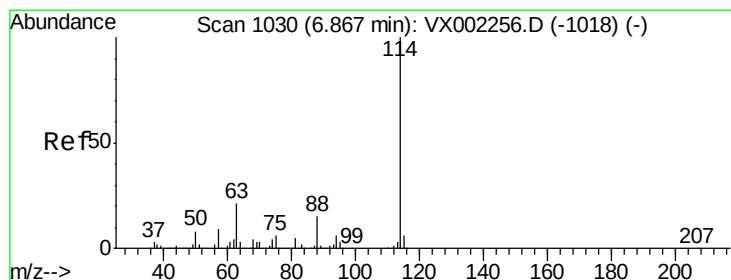
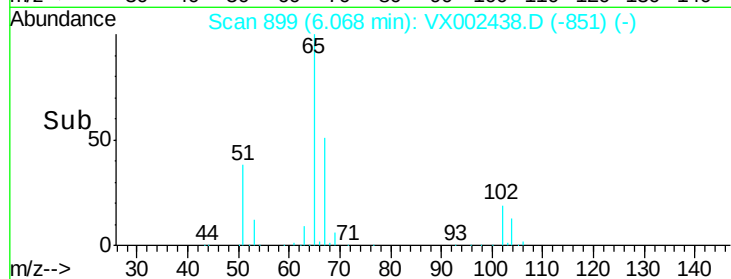
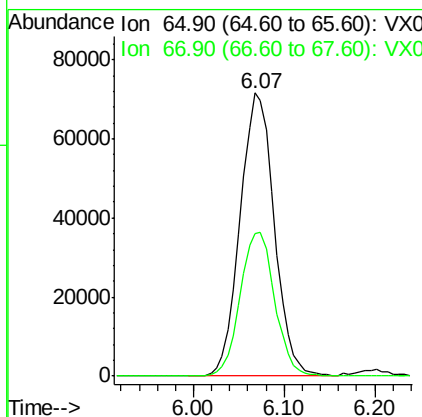
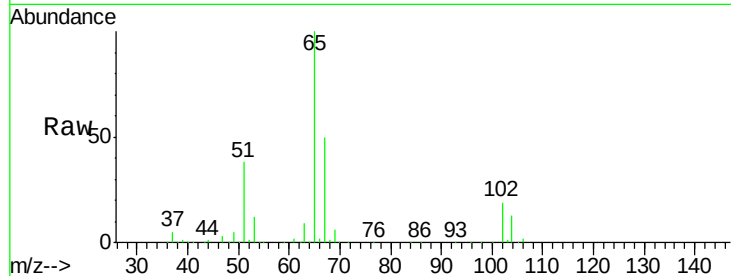
#33
 1,2-Dichloroethane-d4
 Concen: 45.90 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187988		
67	51.3	0.0	102.6	

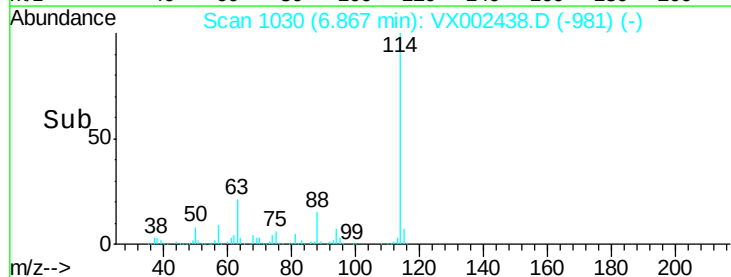
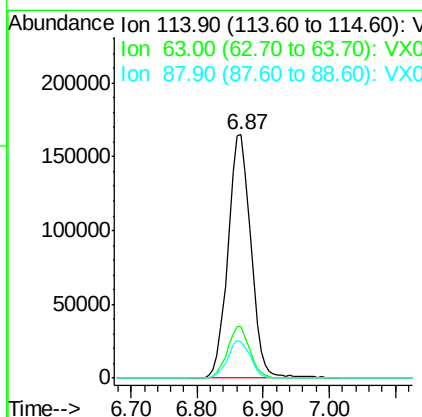
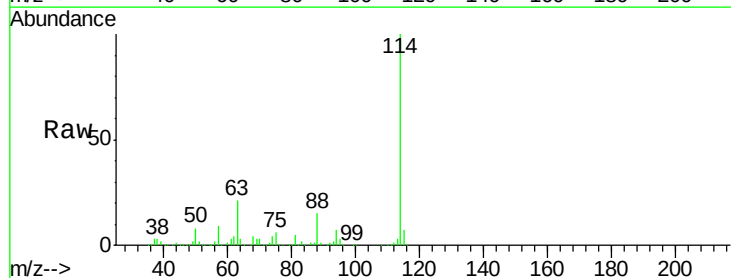
Manual Integrations
 APPROVED

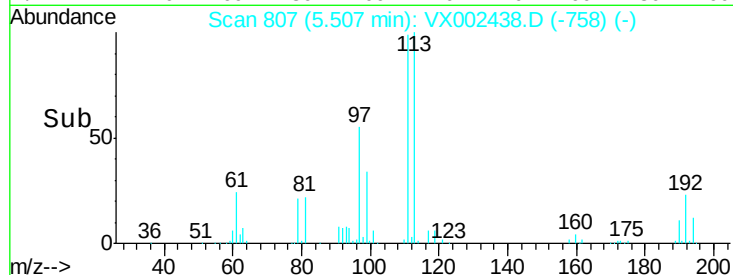
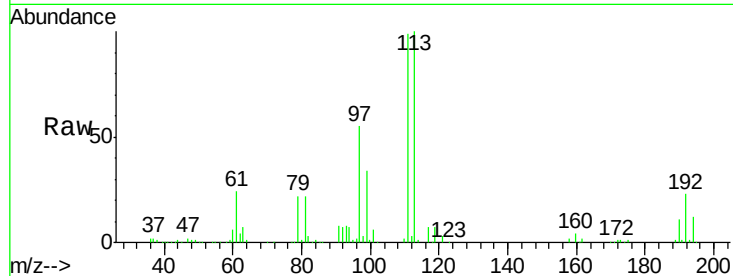
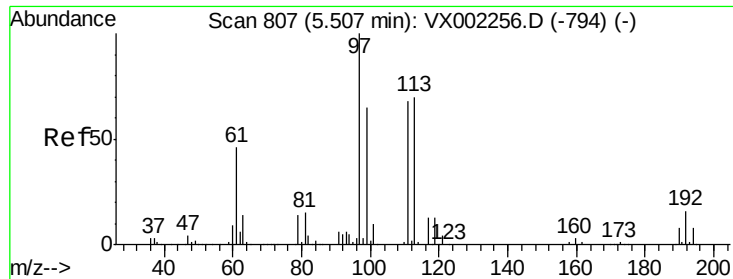
MMDadoda
 6/11/2018 5:07:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397126		
63	21.0	0.0	41.4	
88	15.0	0.0	30.0	





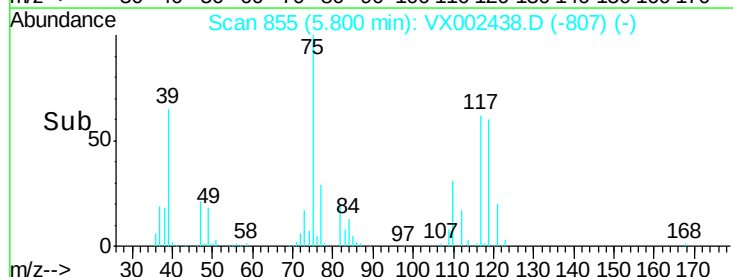
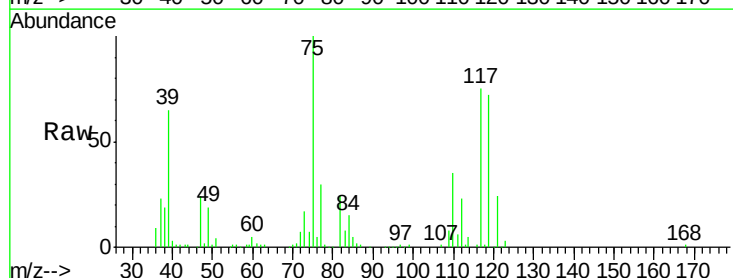
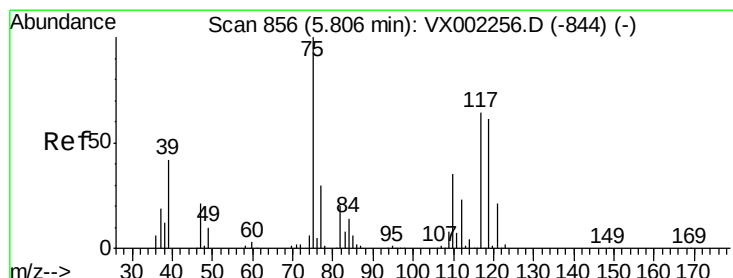
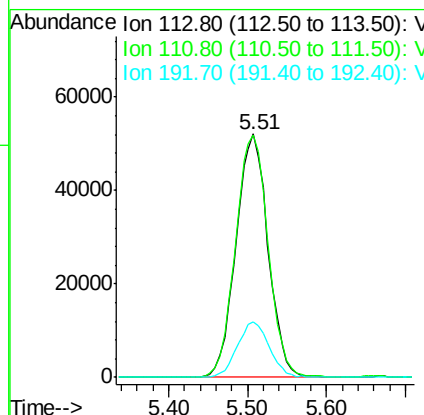
#35
Dibromofluoromethane
Concen: 46.95 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146641		
111	101.8	81.4	122.0	
192	22.9	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

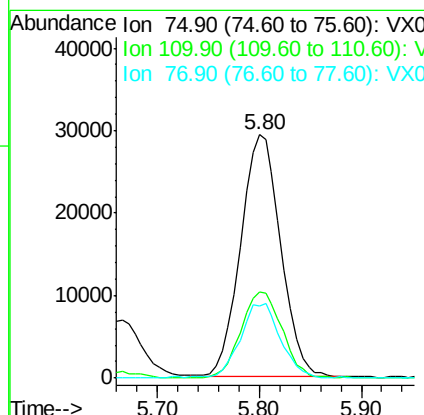
Manual Integrations
APPROVED

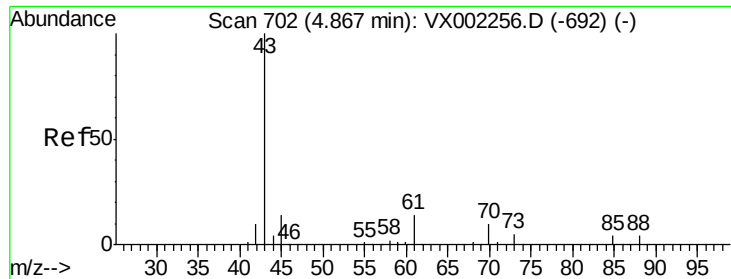
MMDadoda
6/11/2018 5:07:01 PM



#36
1,1-Dichloropropene
Concen: 19.18 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80072		
110	36.5	18.1	54.4	
77	31.0	24.3	36.5	





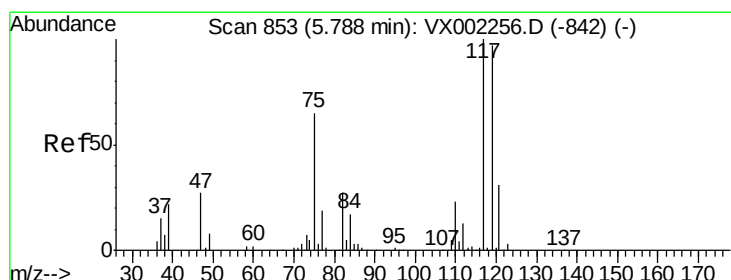
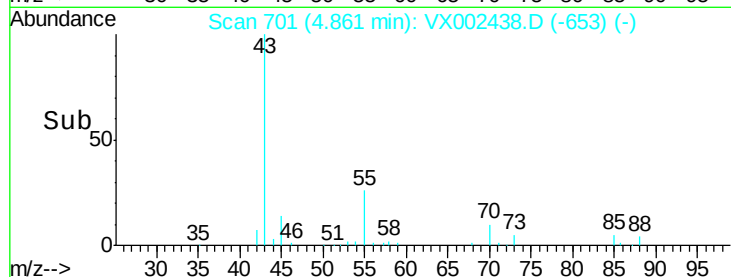
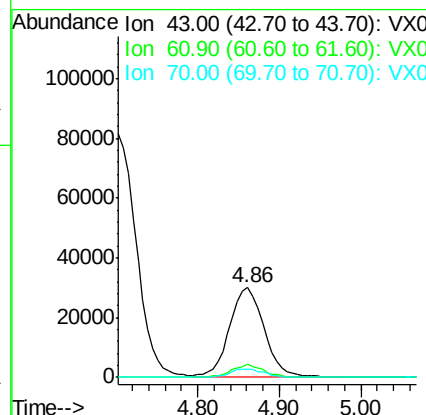
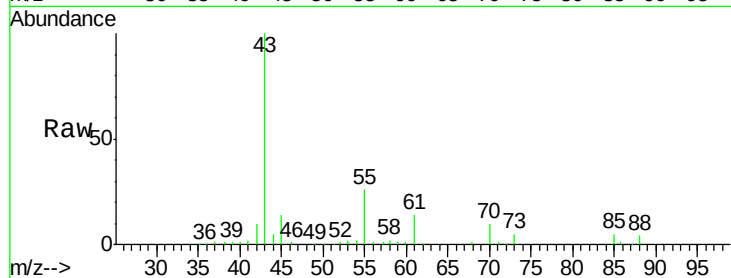
#37
Ethyl Acetate
Concen: 17.35 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.6	7.6	11.4

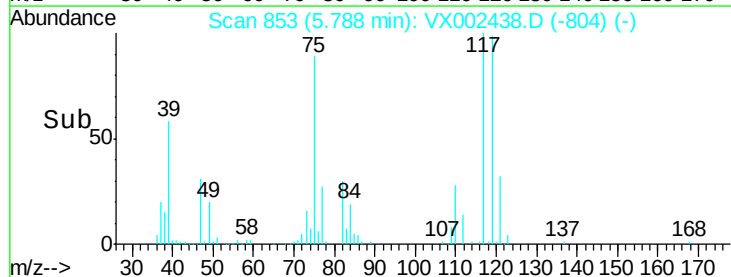
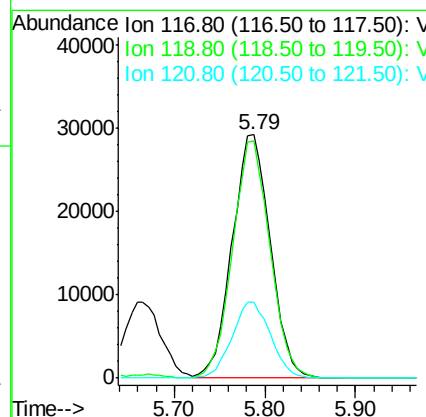
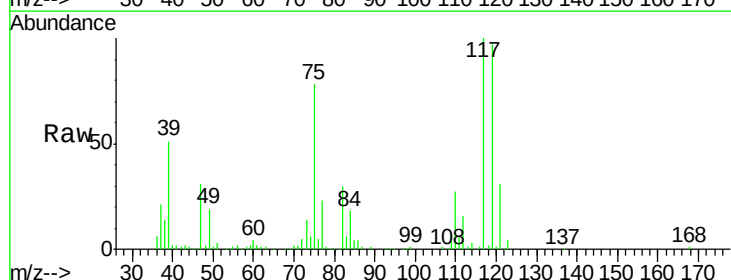
Manual Integrations
APPROVED

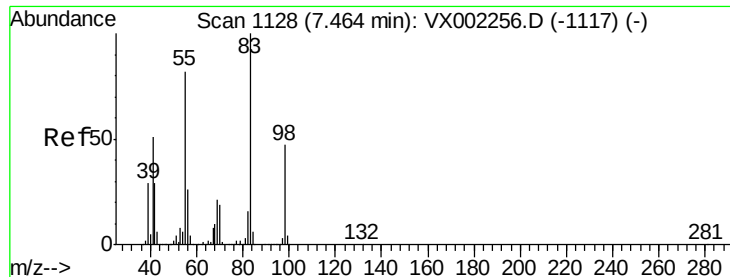
MMDadoda
6/11/2018 5:07:01 PM



#38
Carbon Tetrachloride
Concen: 19.57 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	31.0	24.4	36.6





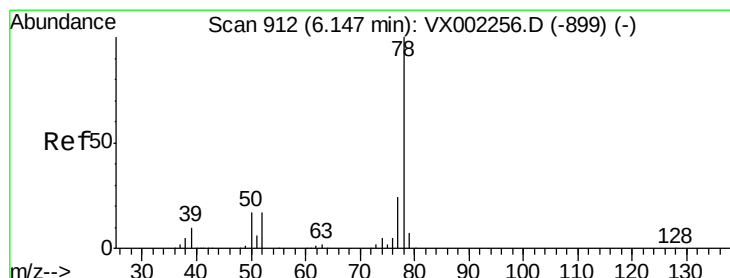
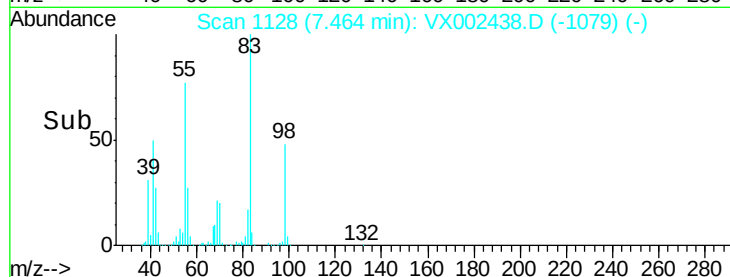
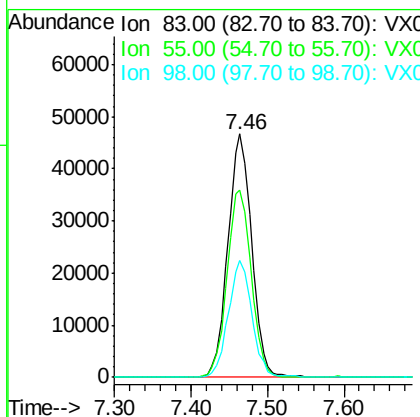
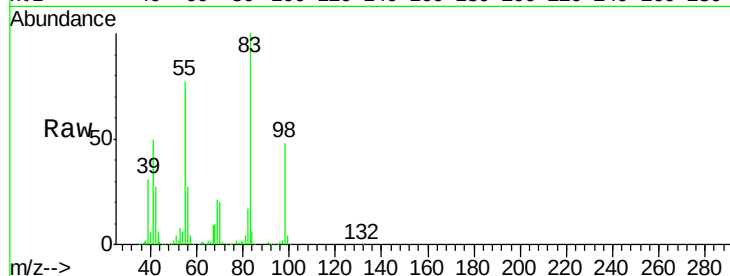
#39
Methylvlcyclohexane
Concen: 19.62 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	65.4	98.0
98	48.1	37.4	56.0

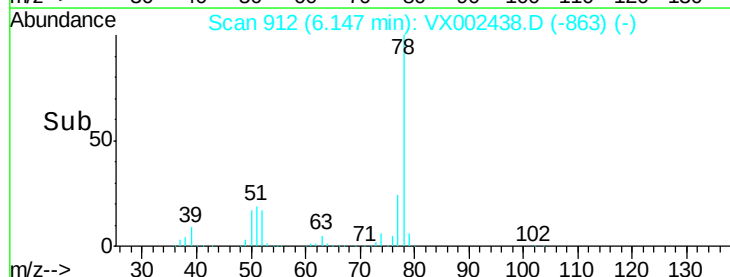
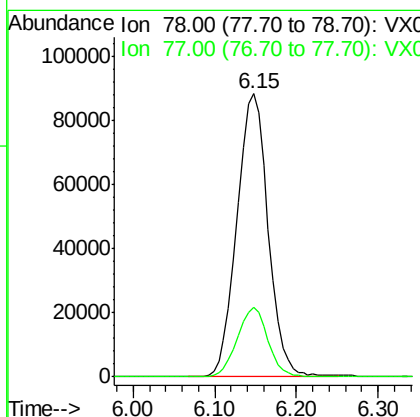
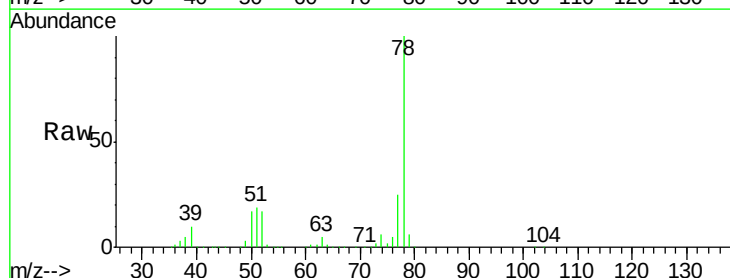
Manual Integrations
APPROVED

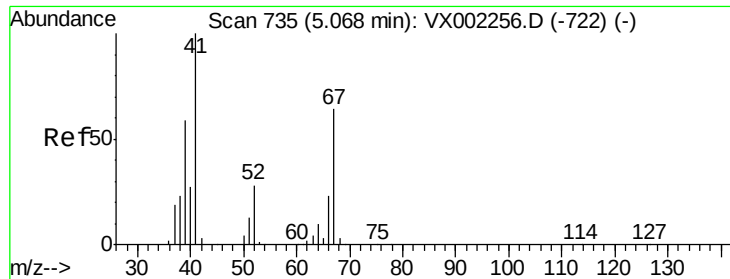
MMDadoda
6/11/2018 5:07:01 PM



#40
Benzene
Concen: 18.39 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





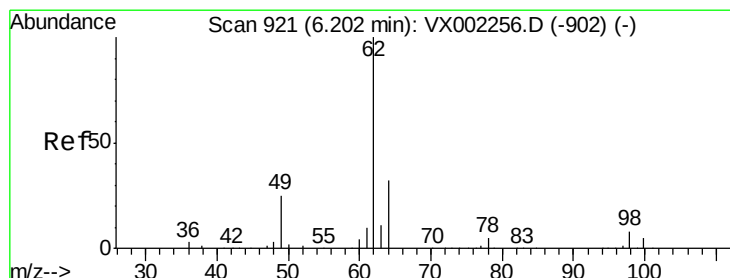
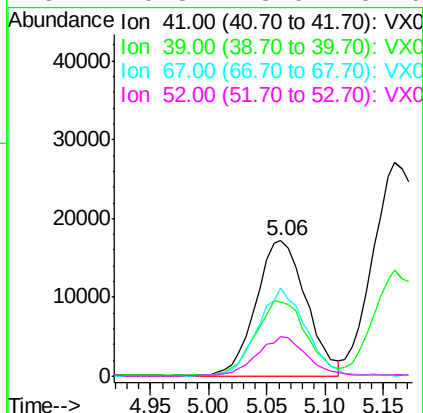
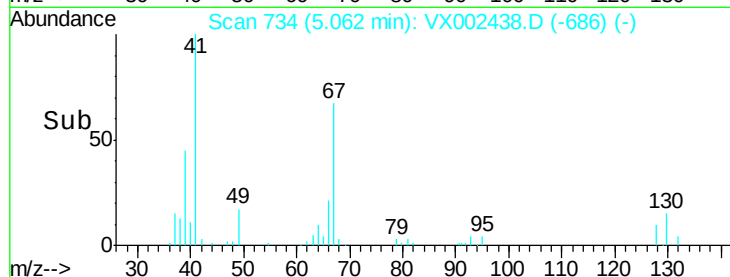
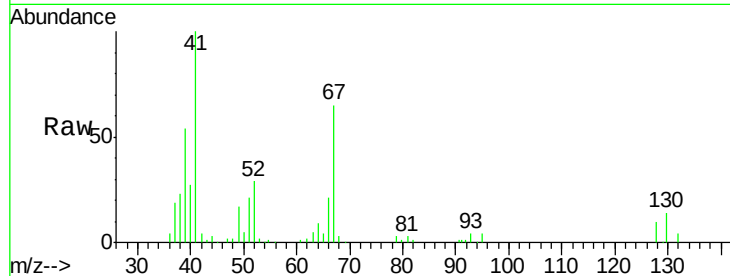
#41
Methacrylonitrile
Concen: 17.78 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.8	68.6	
67	63.2	51.3	76.9	
52	29.8	23.0	34.6	

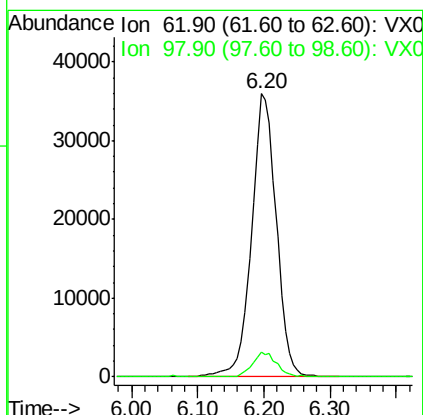
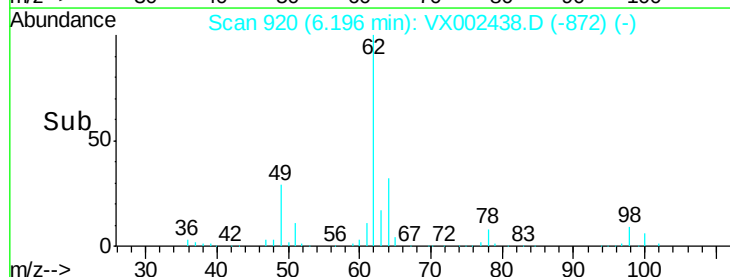
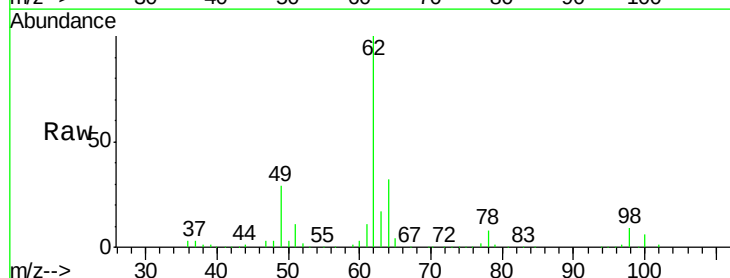
Manual Integrations
APPROVED

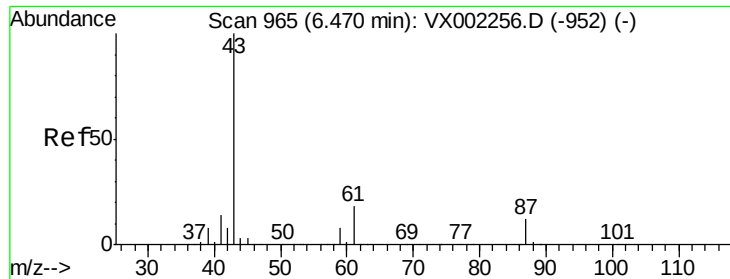
MMDadoda
6/11/2018 5:07:01 PM



#42
1,2-Dichloroethane
Concen: 18.32 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

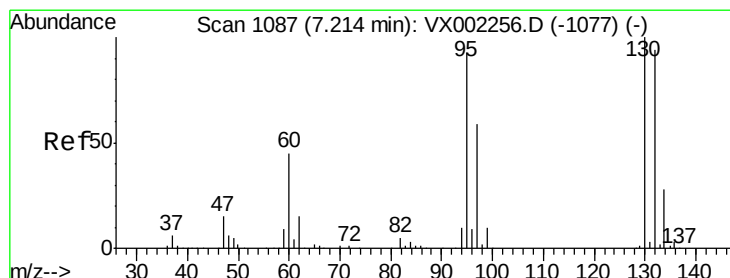
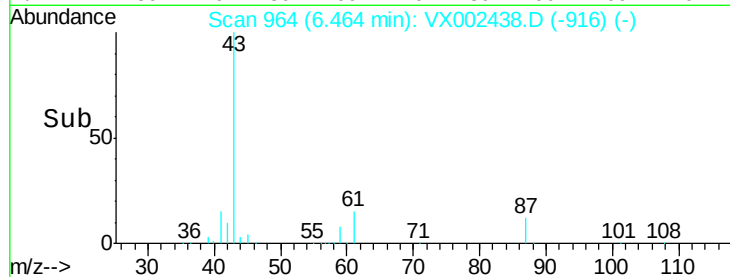
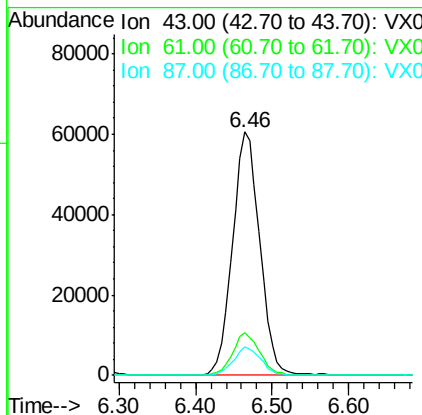
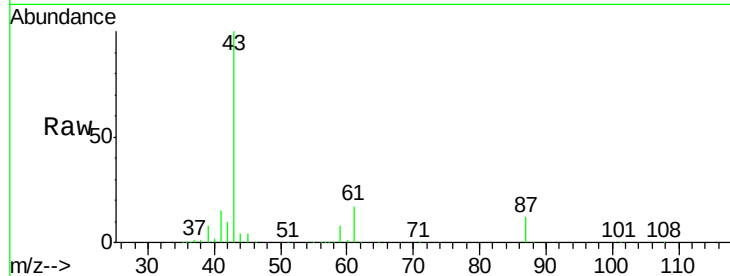
Isopropyl Acetate
 Concen: 17.37 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0611WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.4	21.6
87	11.7	9.5	14.3

Manual Integrations
 APPROVED

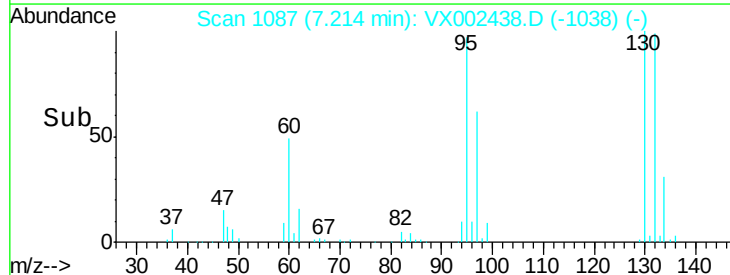
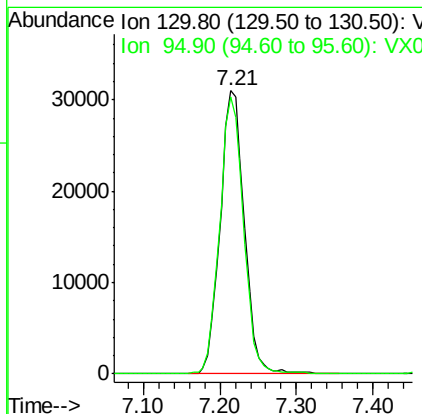
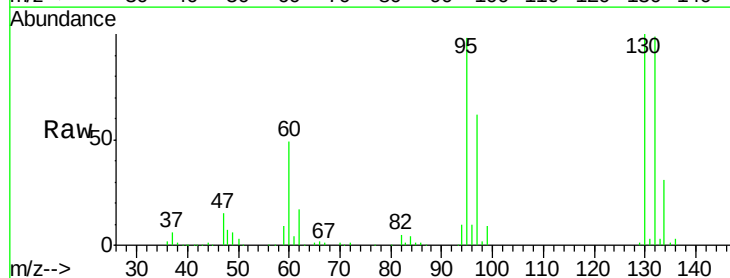
MMDadoda
 6/11/2018 5:07:01 PM

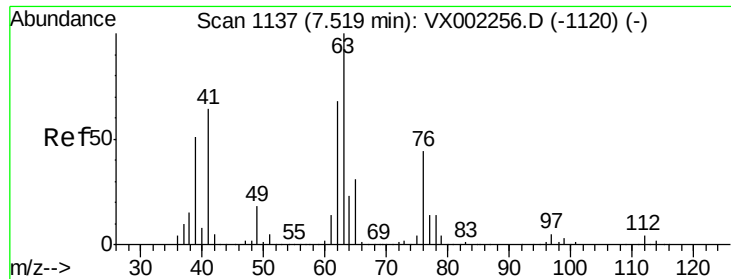


#44

Trichloroethene
 Concen: 19.07 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	185.4





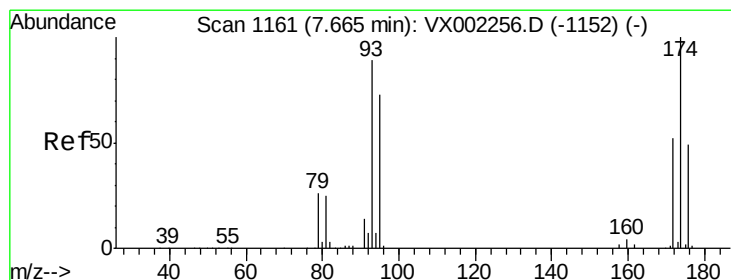
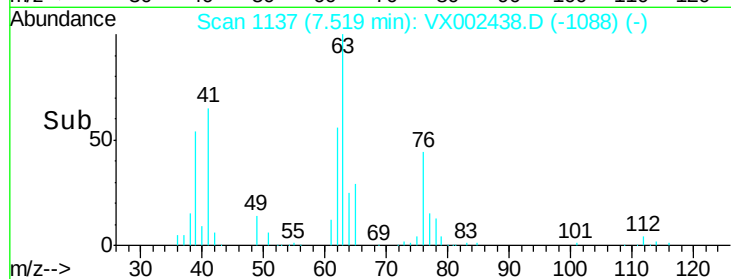
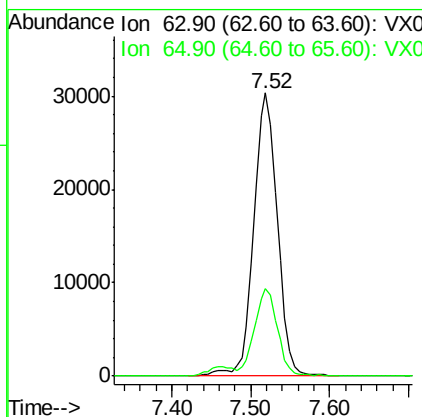
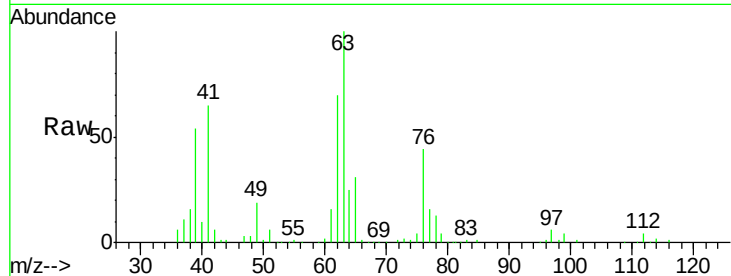
#45
 1,2-Dichloropropane
 Concen: 18.28 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Tot Ion: 63 Resp: 63189
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

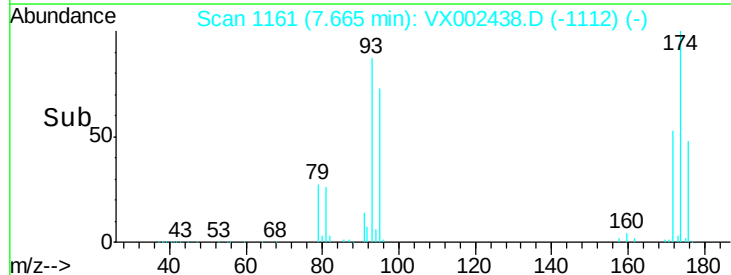
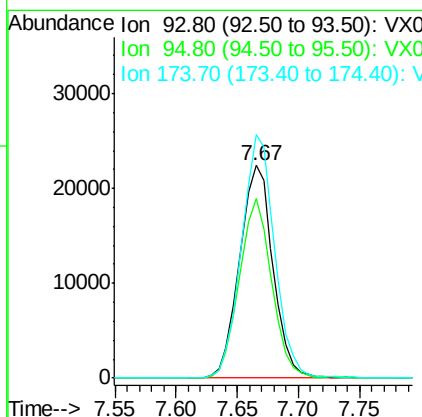
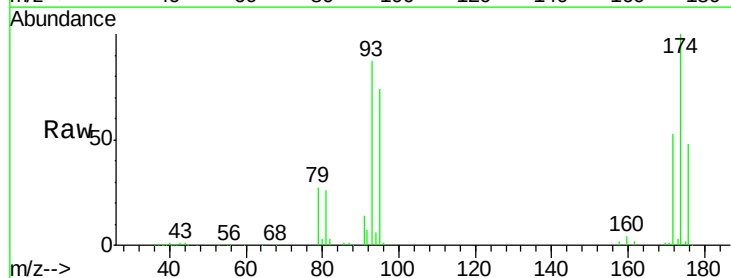
Manual Integrations
 APPROVED

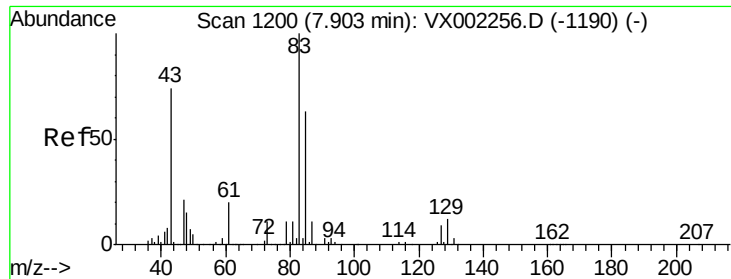
MMDadoda
 6/11/2018 5:07:01 PM



#46
 Dibromomethane
 Concen: 18.18 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion: 93 Resp: 42586
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.9 98.9
 174 113.5 92.4 138.6





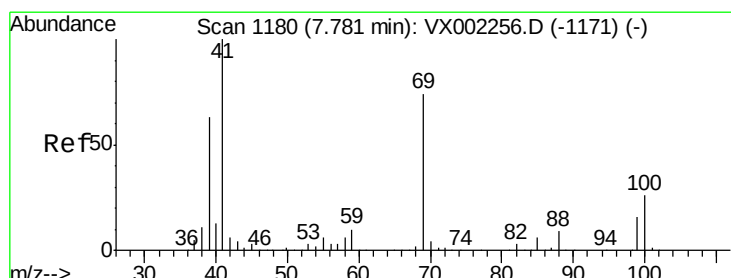
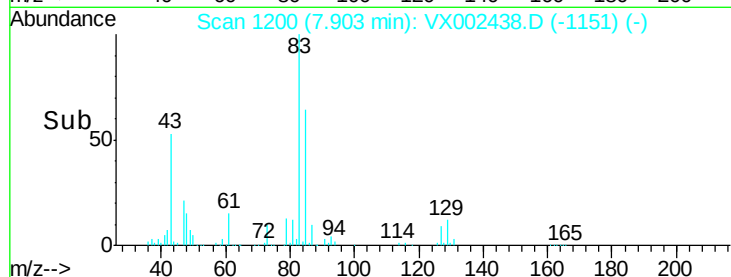
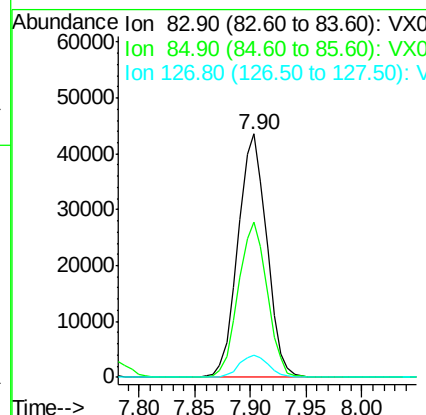
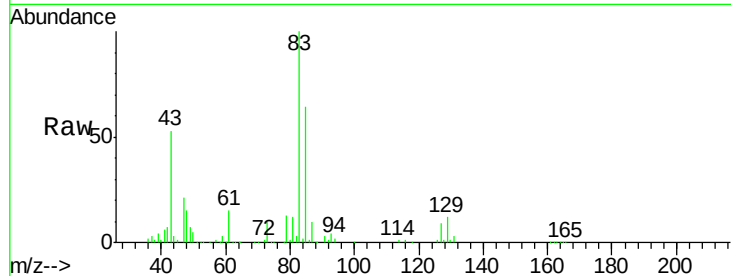
#47
Bromodichloromethane
Concen: 18.46 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	83	Resp	78208
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.3	75.5
127	9.2	7.0	10.4

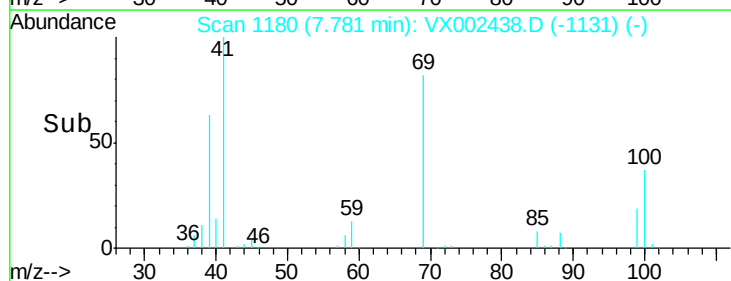
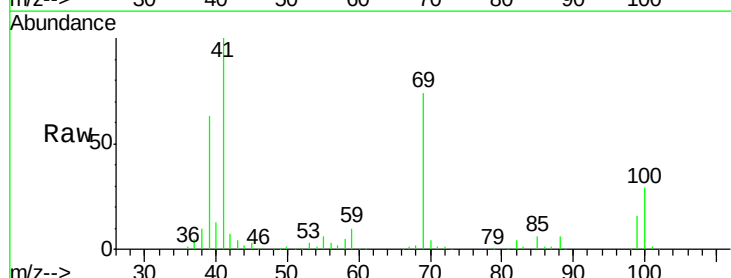
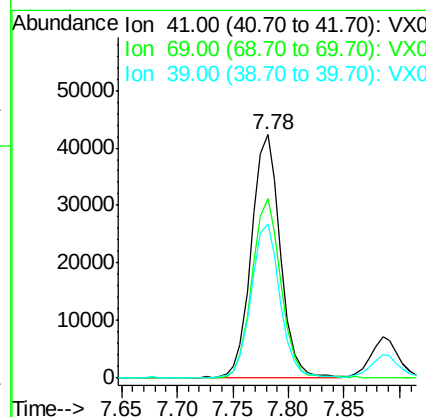
Manual Integrations
APPROVED

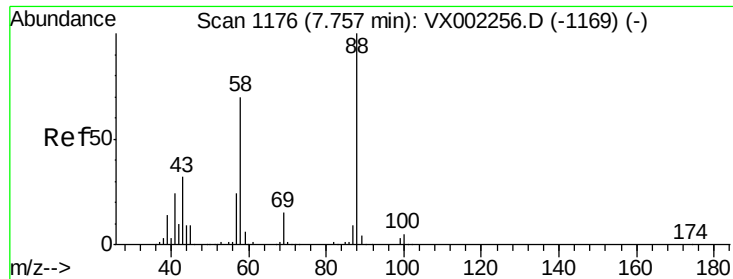
MMDadoda
6/11/2018 5:07:01 PM



#48
Methyl methacrylate
Concen: 17.63 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	41	Resp	75507
Ion Ratio	100	Lower	Upper
41	100		
69	75.3	59.1	88.7
39	63.4	48.9	73.3





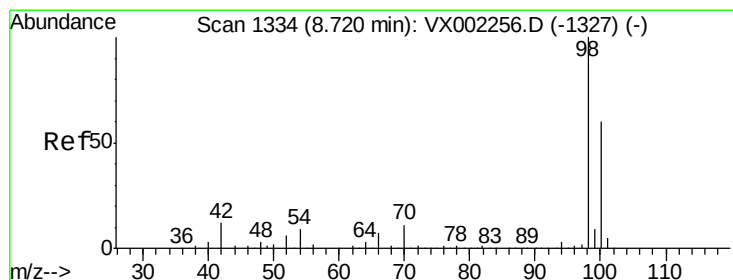
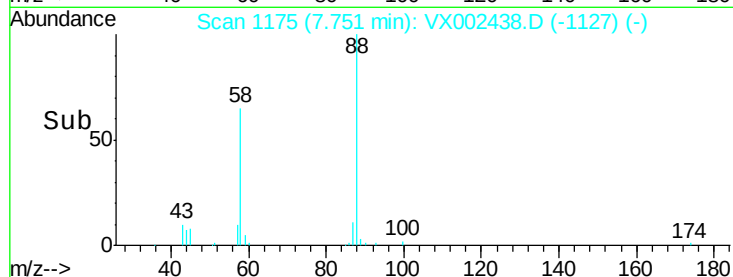
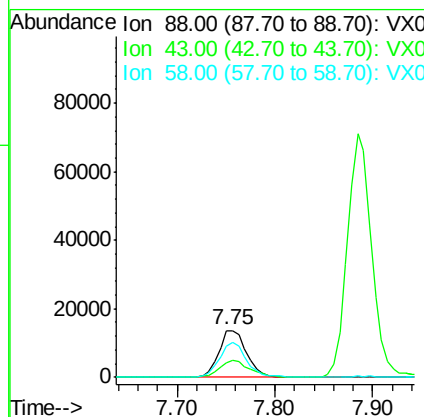
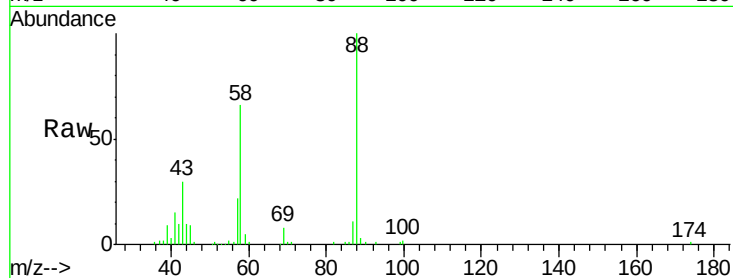
#49
1,4-Dioxane
Concen: 339.69 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.6
58	72.6	57.1	85.7

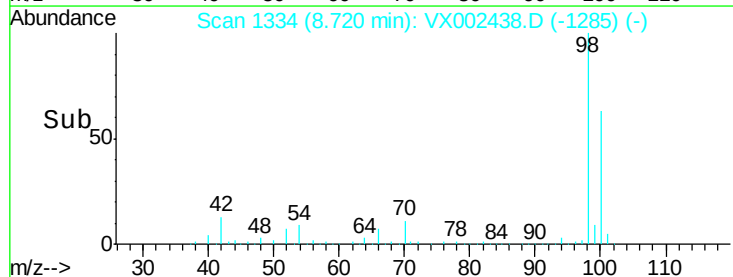
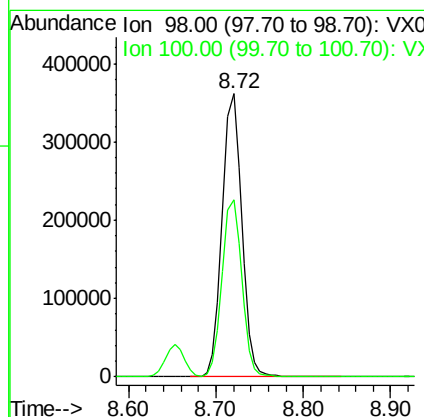
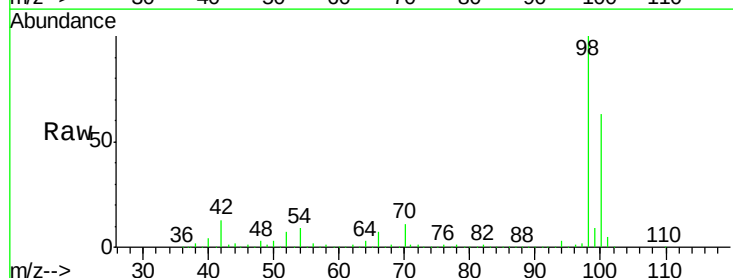
Manual Integrations
APPROVED

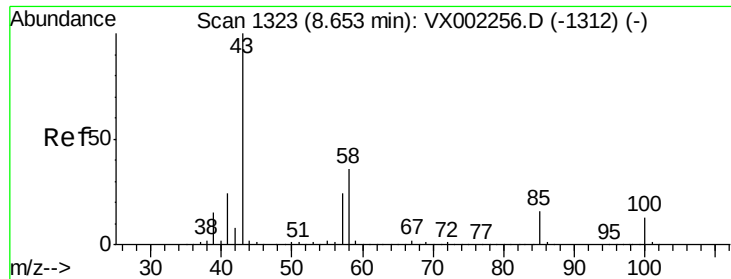
MMDadoda
6/11/2018 5:07:01 PM



#50
Toluene-d8
Concen: 47.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 88.19 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VX0611WBS01

Tot Ion: 43 Resp: 468369

Ion Ratio Lower Upper

43 100

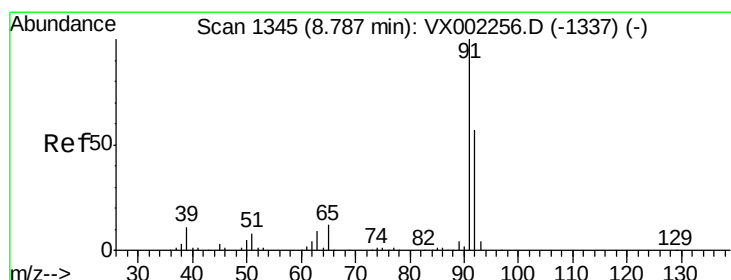
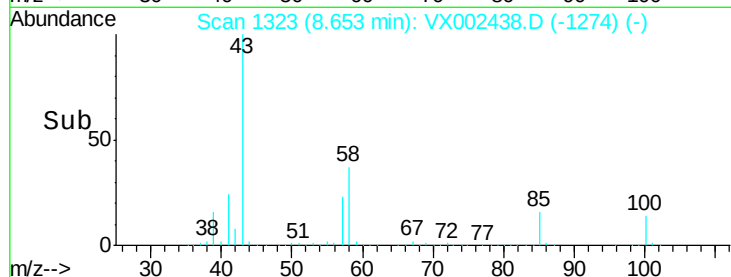
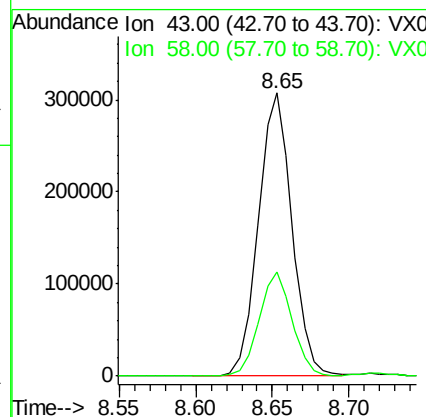
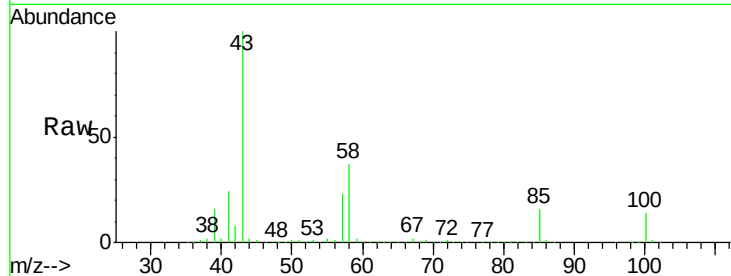
58 36.1 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#52

Toluene

Concen: 19.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002438.D

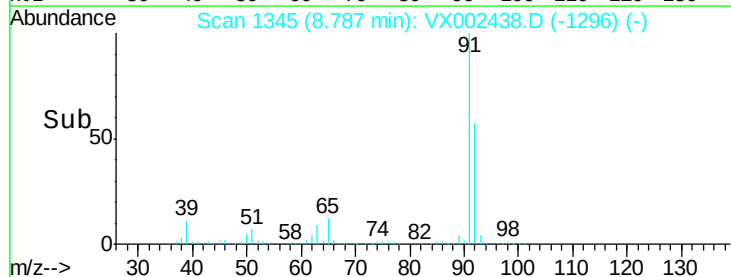
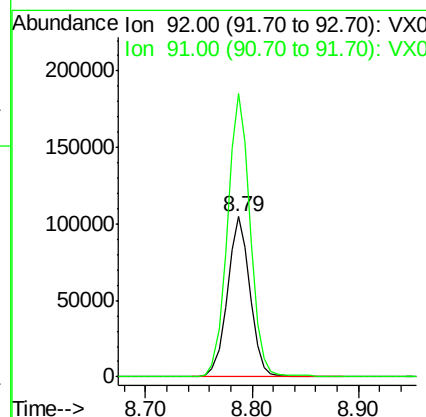
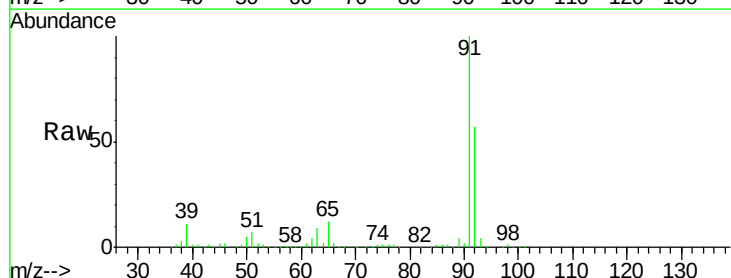
Acq: 11 Jun 2018 13:00

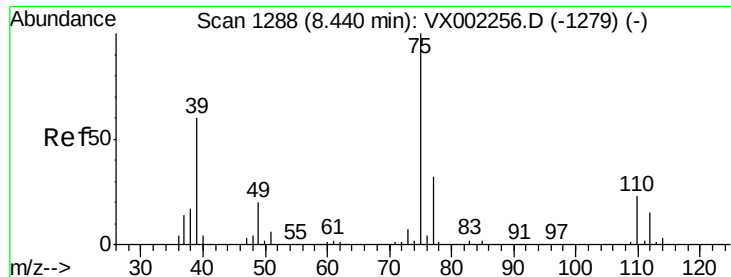
Tgt Ion: 92 Resp: 155667

Ion Ratio Lower Upper

92 100

91 178.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.23 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VX0611WBS01

Tot Ion: 75 Resp: 92642

Ion Ratio Lower Upper

75 100

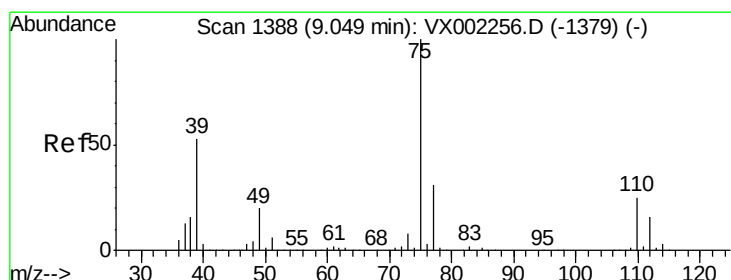
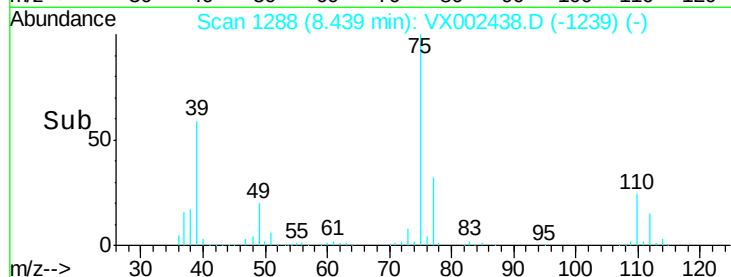
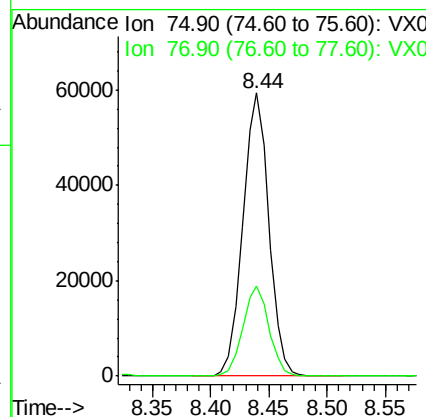
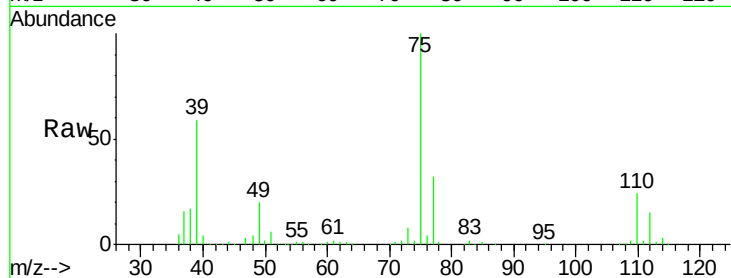
77 32.0 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#54

cis-1,3-Dichloropropene

Concen: 17.95 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

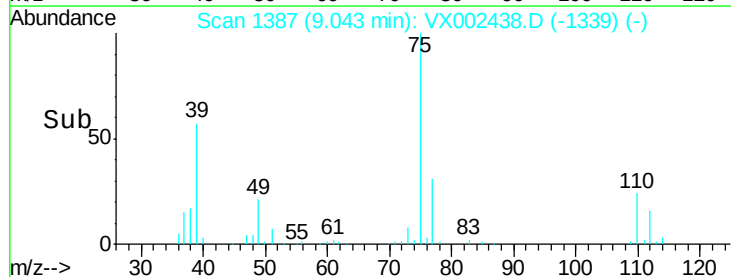
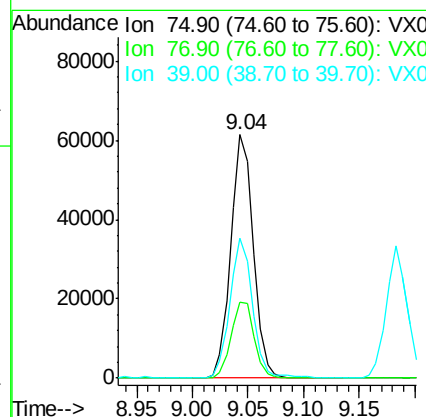
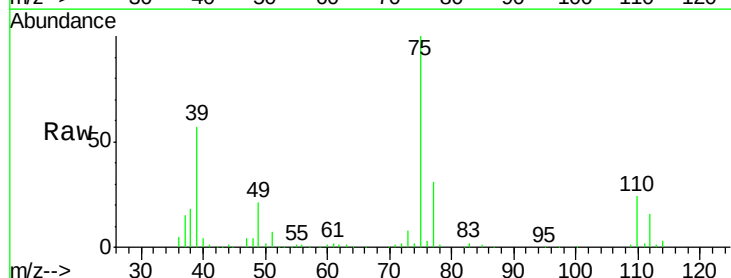
Tgt Ion: 75 Resp: 86063

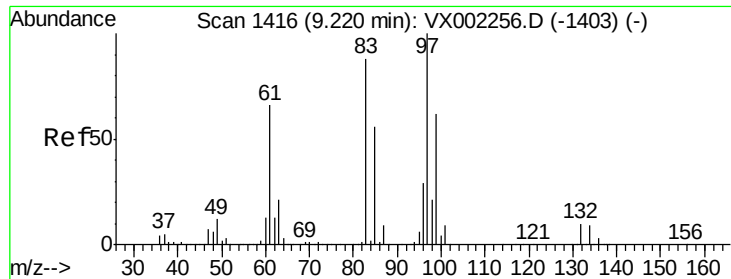
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 57.3 42.4 63.6





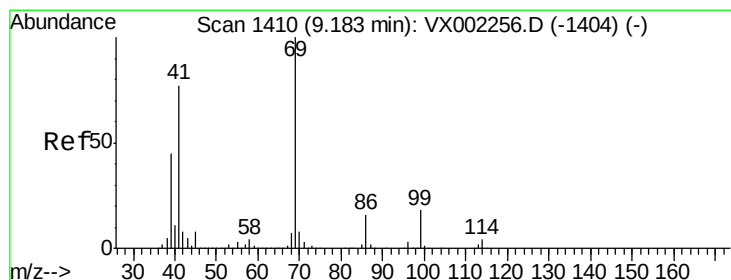
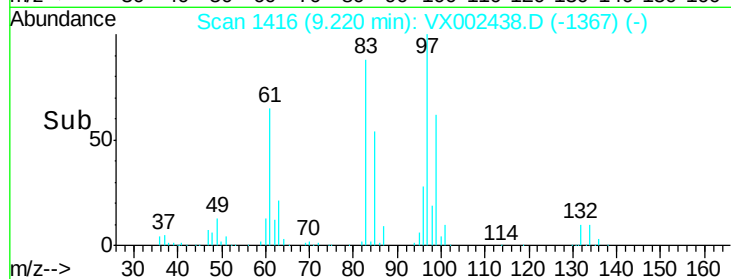
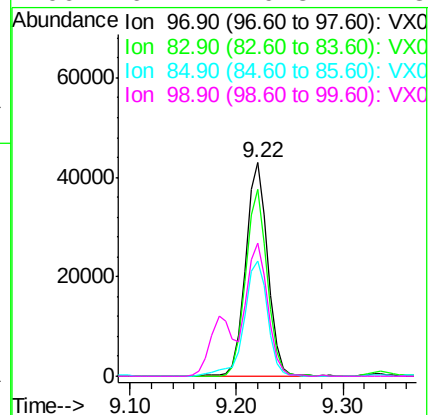
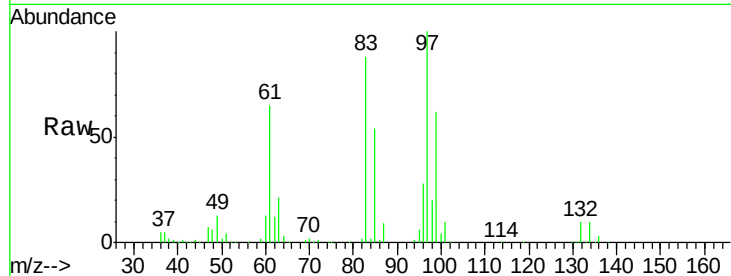
#55
 1,1,2-Trichloroethane
 Concen: 18.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.2	105.2
85	54.0	44.9	67.3
99	62.2	49.8	74.8

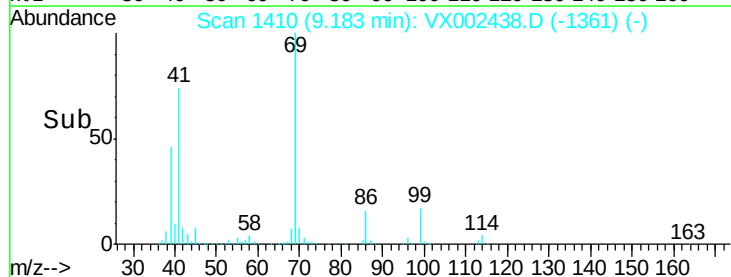
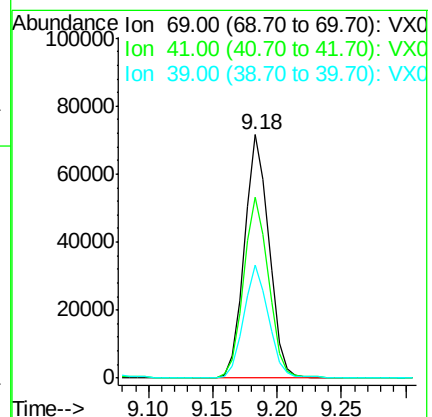
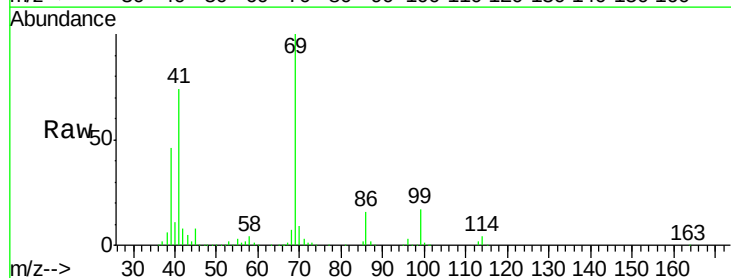
Manual Integrations
 APPROVED

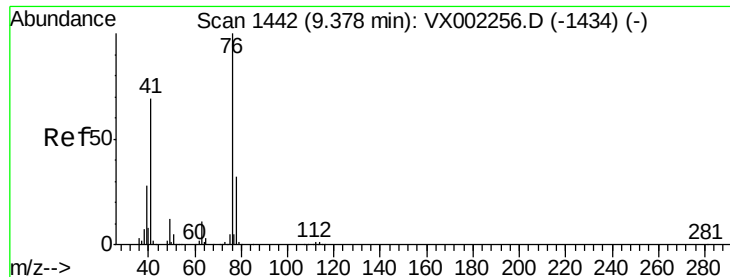
MMDadoda
 6/11/2018 5:07:01 PM



#56
 Ethyl methacrylate
 Concen: 17.69 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.3	90.5
39	46.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 18.51 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 76 Resp: 103968

Ion Ratio Lower Upper

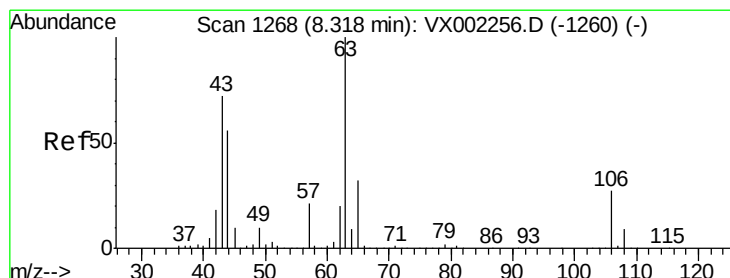
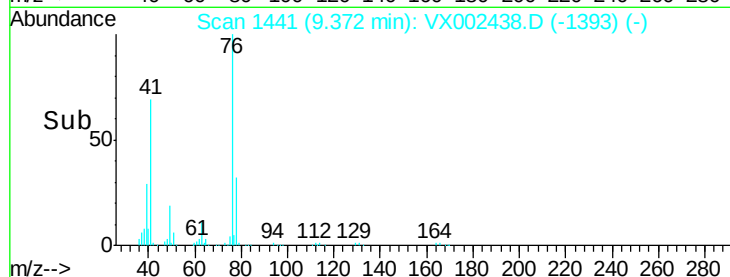
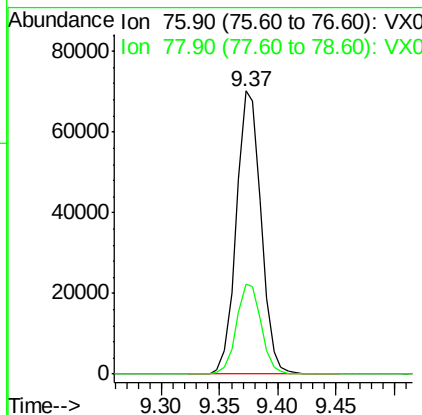
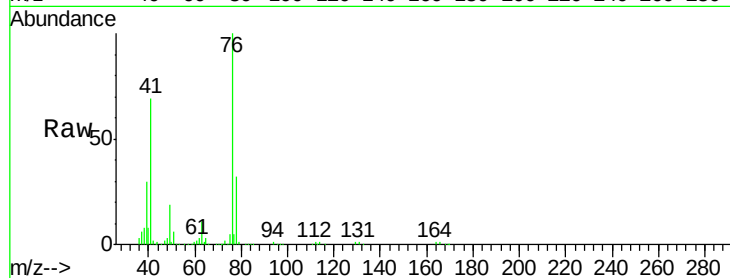
76 100

78 31.9 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.25 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002438.D

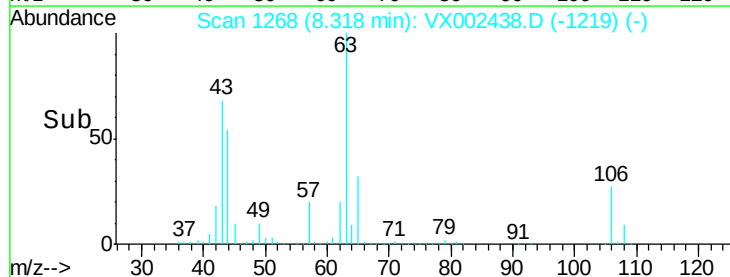
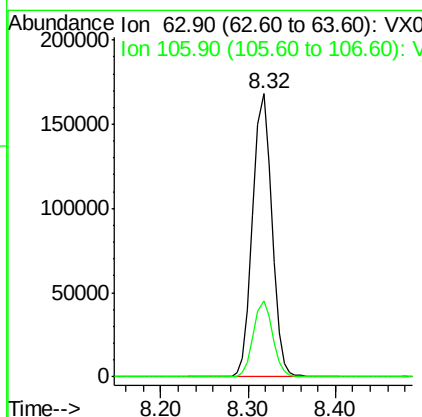
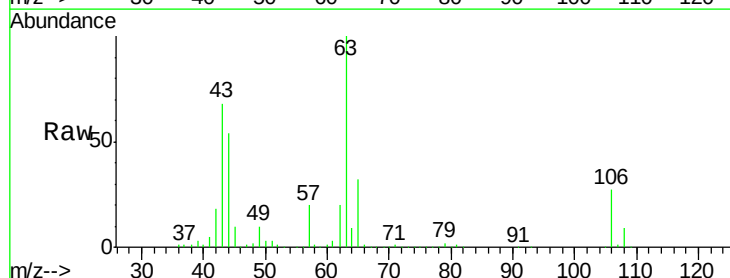
Acq: 11 Jun 2018 13:00

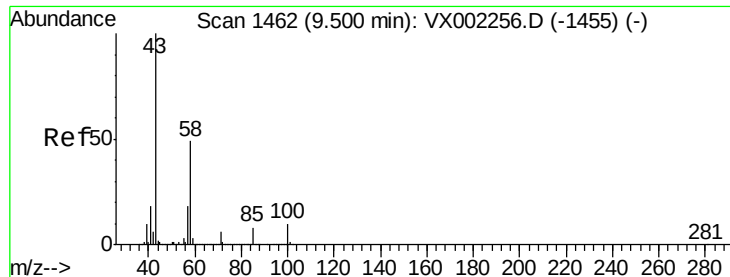
Tgt Ion: 63 Resp: 257947

Ion Ratio Lower Upper

63 100

106 26.8 21.8 32.8





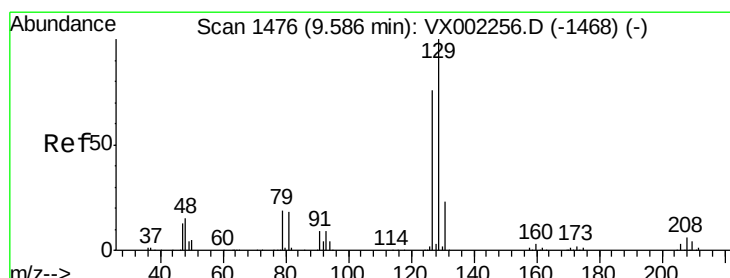
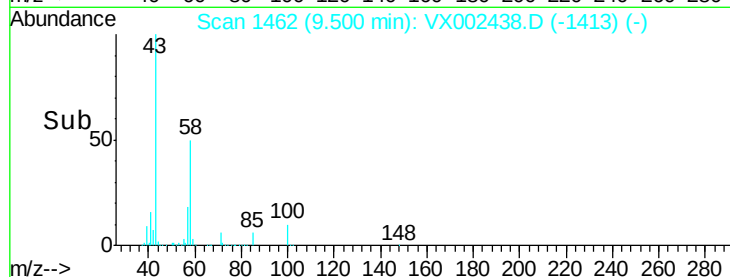
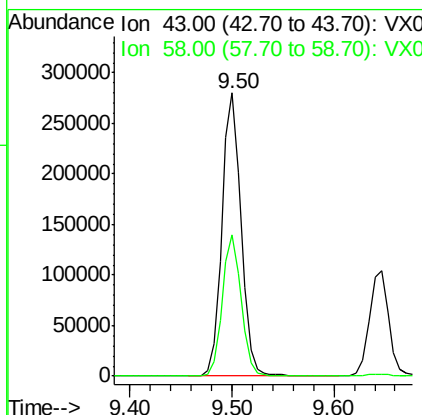
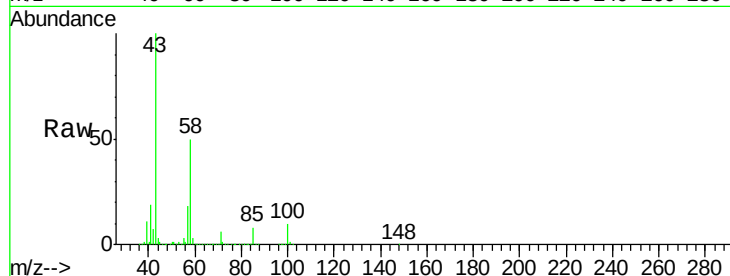
#59
2-Hexanone
Concen: 89.30 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.6	73.6

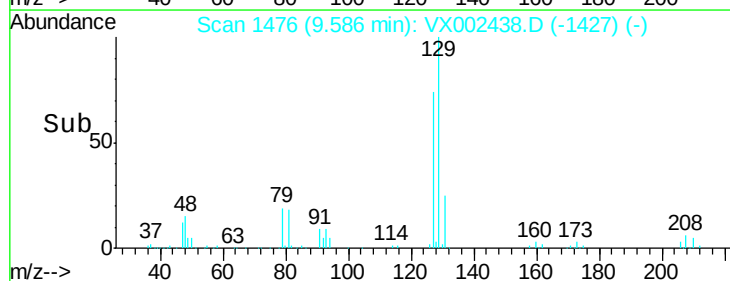
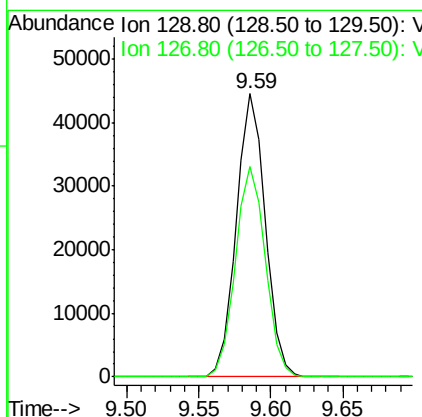
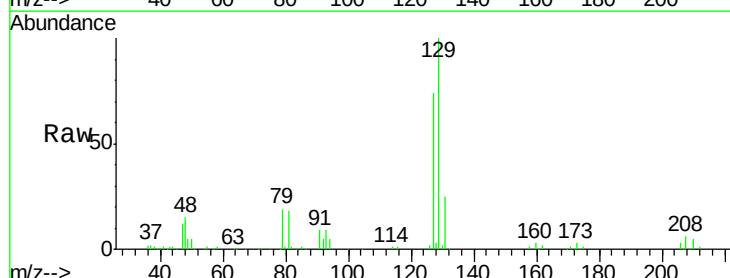
Manual Integrations
APPROVED

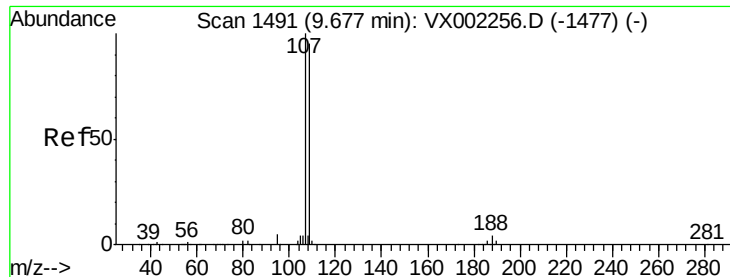
MMDadoda
6/11/2018 5:07:01 PM



#60
Dibromochloromethane
Concen: 18.54 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 18.55 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VX0611WBS01

Tot Ion:107 Resp: 64772

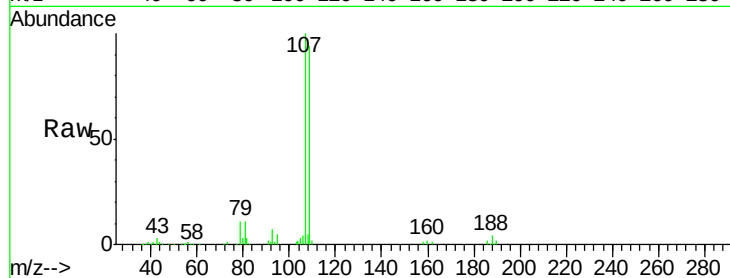
Ion Ratio Lower Upper

107 100

109 94.4 75.3 112.9

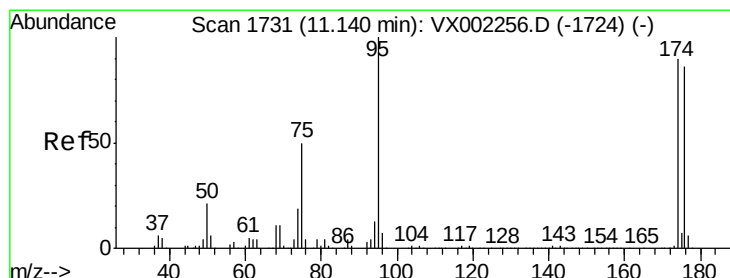
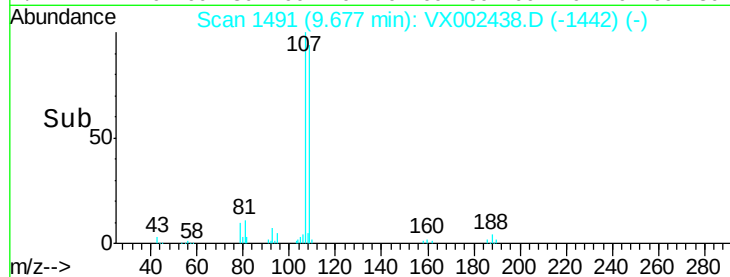
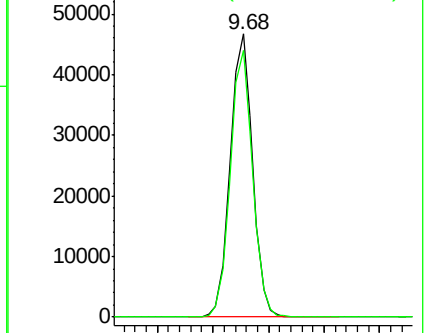
Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

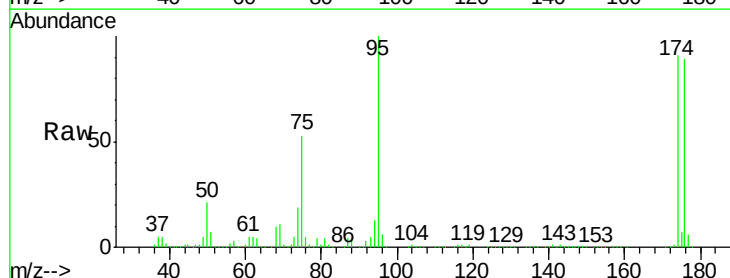
Tgt Ion: 95 Resp: 214392

Ion Ratio Lower Upper

95 100

174 93.7 0.0 187.4

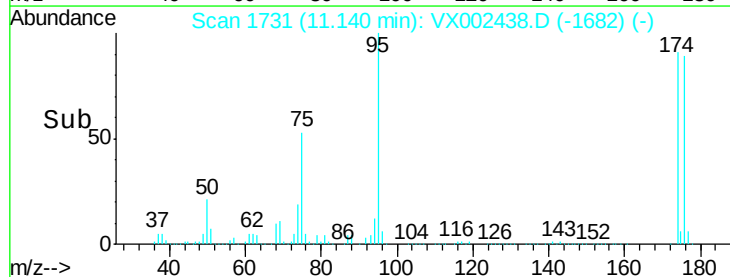
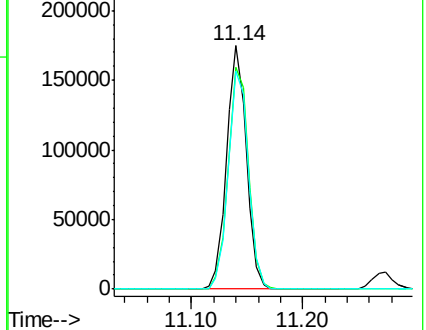
176 91.5 0.0 181.0

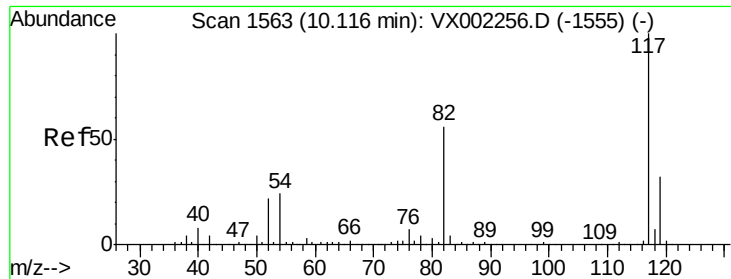


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





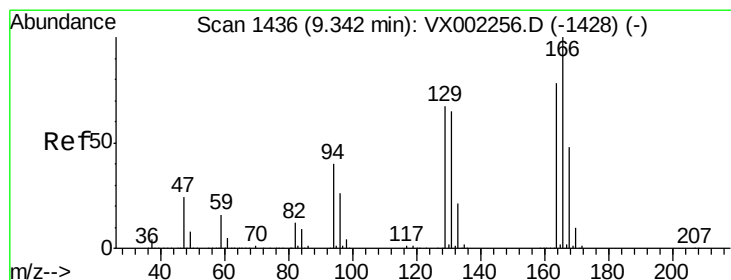
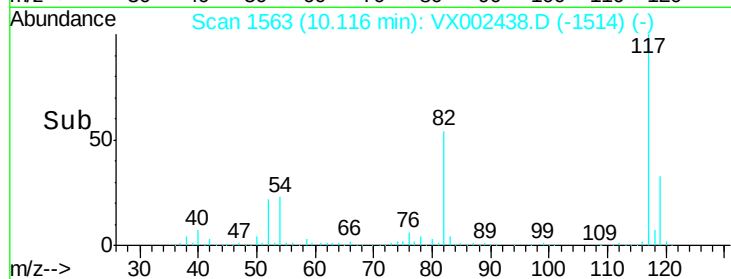
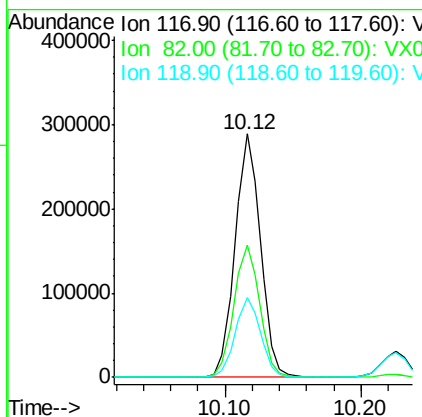
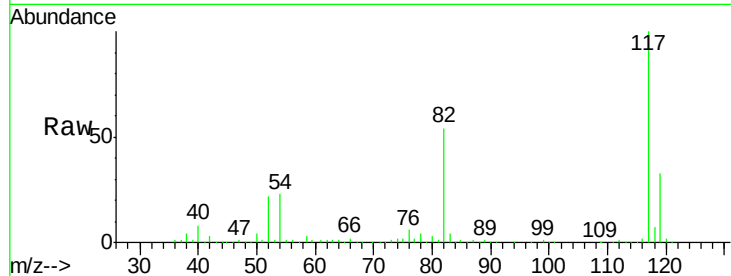
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	32.6	25.8	38.6

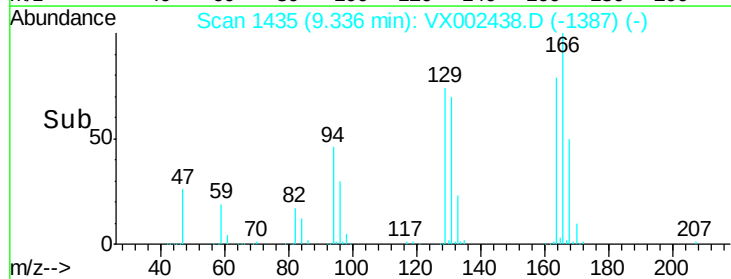
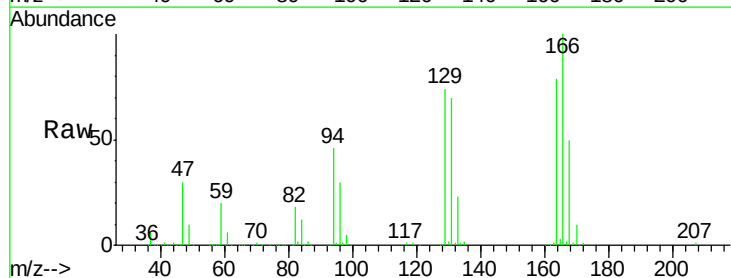
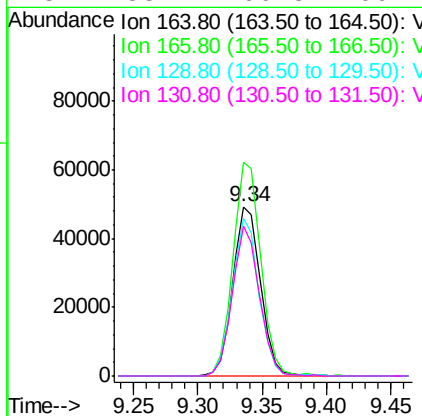
Manual Integrations
APPROVED

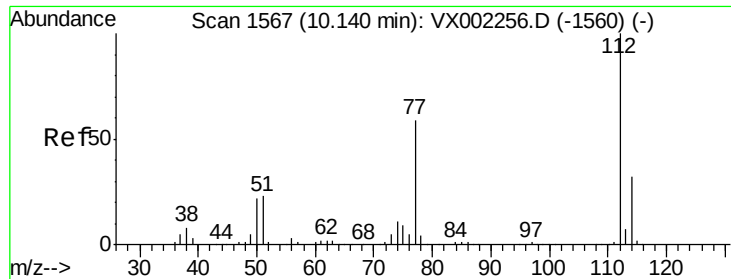
MMDadoda
6/11/2018 5:07:01 PM



#64
Tetrachloroethene
Concen: 19.12 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.9	154.3
129	92.9	68.6	102.8
131	88.2	66.8	100.2





#65

Chlorobenzene

Concen: 19.23 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VX0611WBS01

Tot Ion:112 Resp: 179746

Ion Ratio Lower Upper

112 100

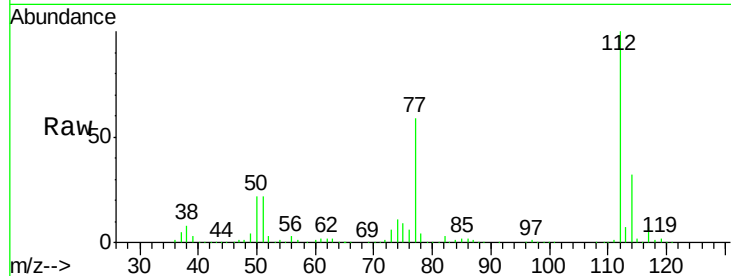
114 31.6 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

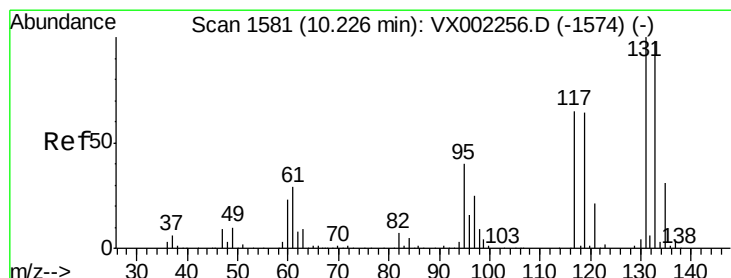
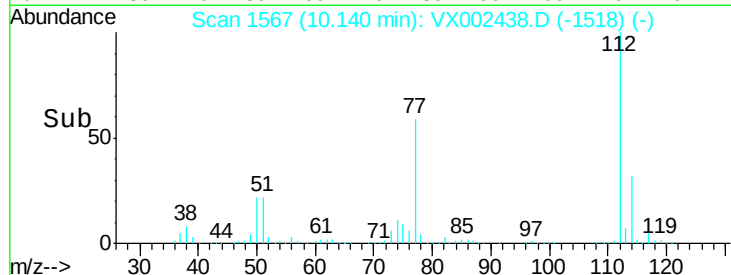
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.98 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

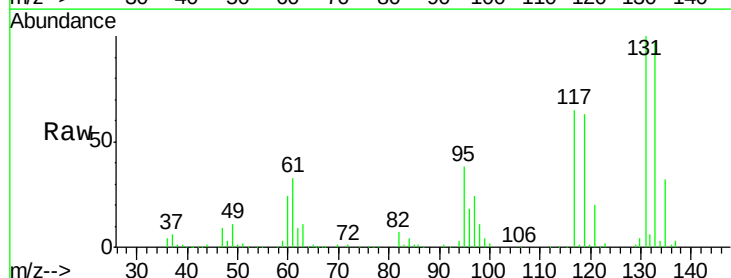
Tgt Ion:131 Resp: 64248

Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.6

119 62.9 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

10.23

60000

50000

40000

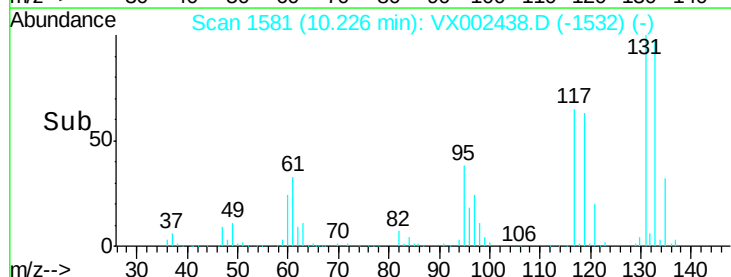
30000

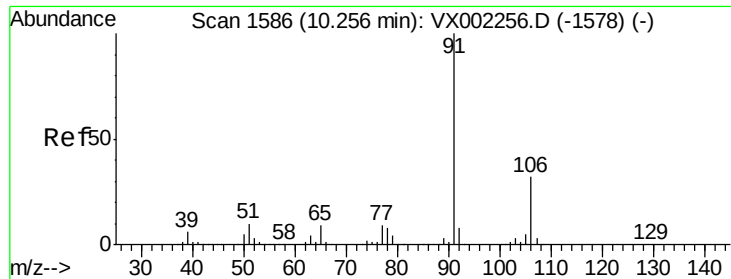
20000

10000

0

Time-->





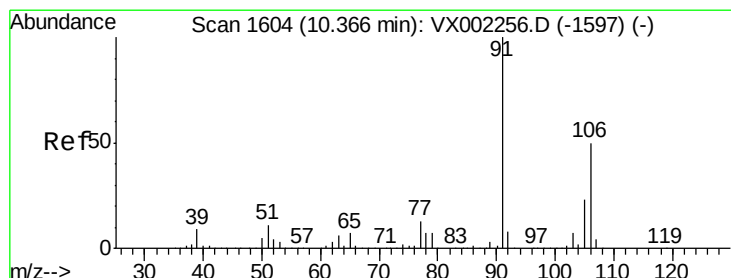
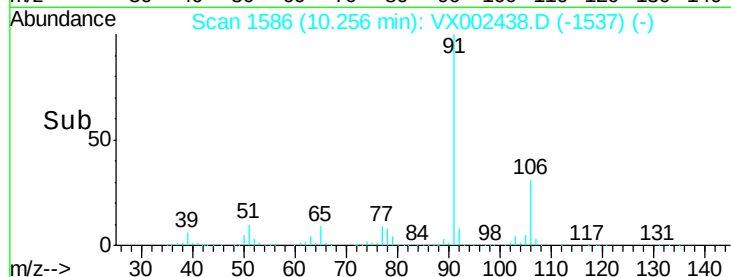
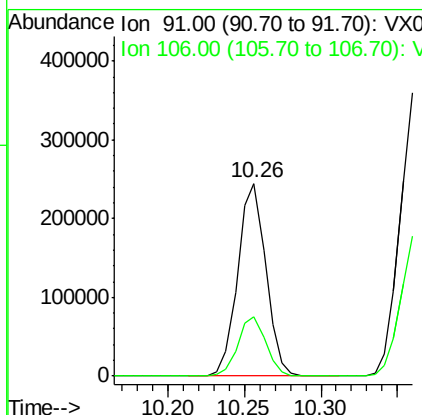
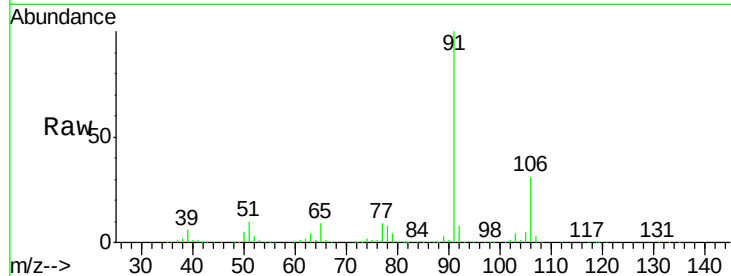
#67
Ethyl Benzene
Concen: 19.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VX0611WBS01

Tot Ion: 91 Resp: 311513
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

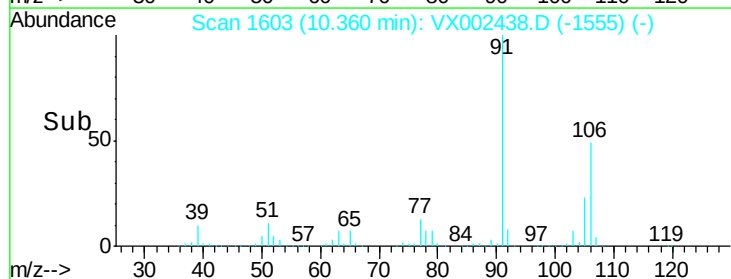
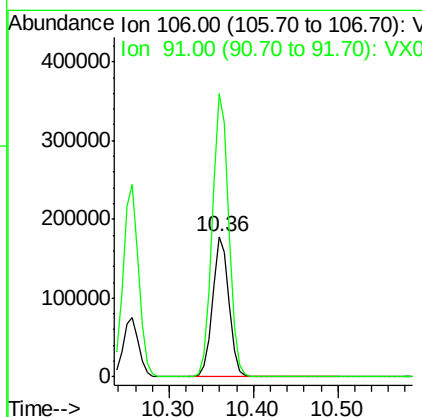
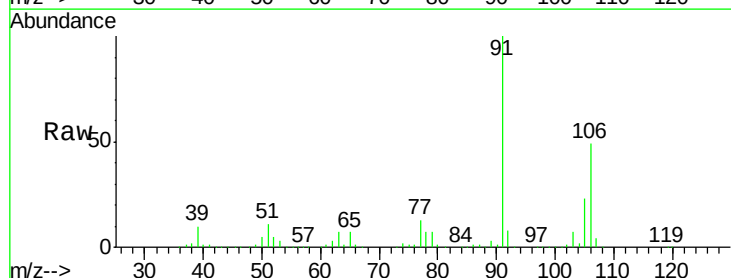
Manual Integrations
APPROVED

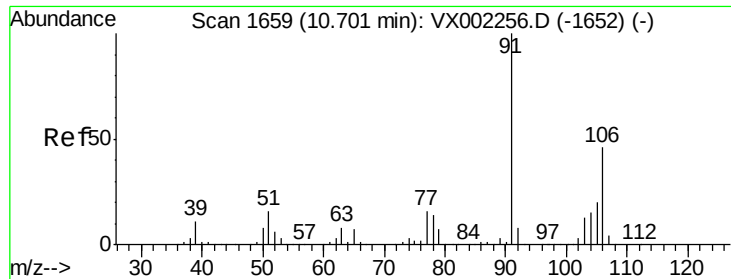
MMDadoda
6/11/2018 5:07:01 PM



#68
m/p-Xylenes
Concen: 39.17 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion: 106 Resp: 238215
Ion Ratio Lower Upper
106 100
91 204.2 163.4 245.2





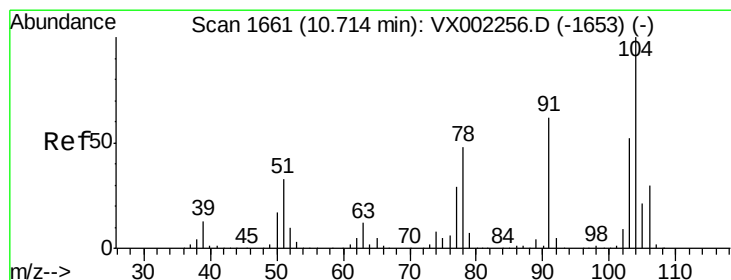
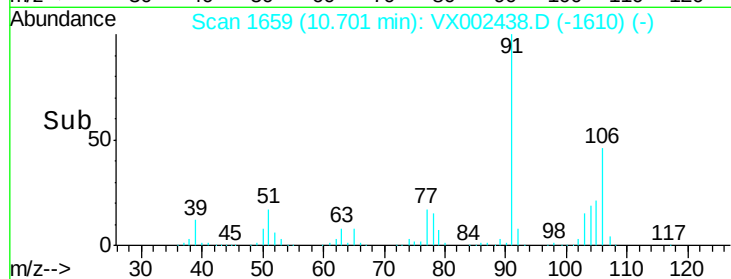
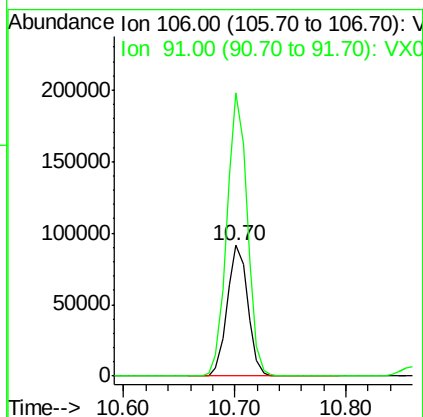
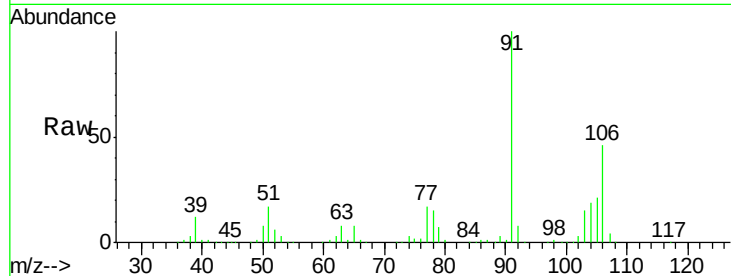
#69
o-Xylene
Concen: 19.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampled :
VX0611WBS01

Tot Ion:106 Resp: 116908
Ion Ratio Lower Upper
106 100
91 214.1 108.2 324.6

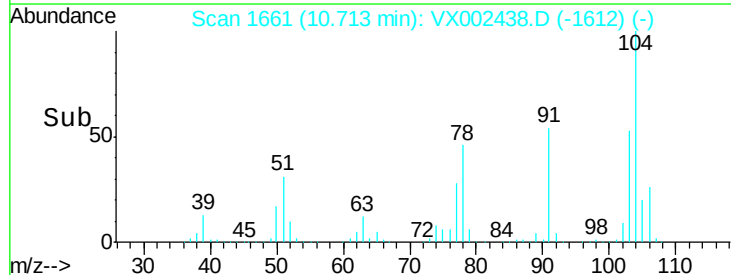
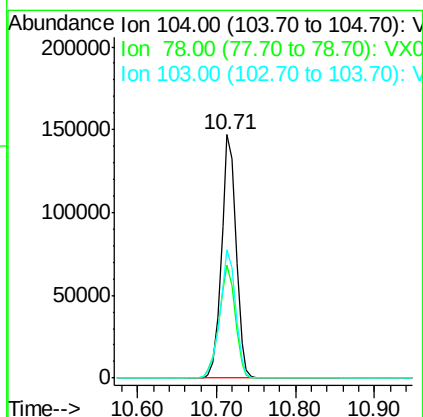
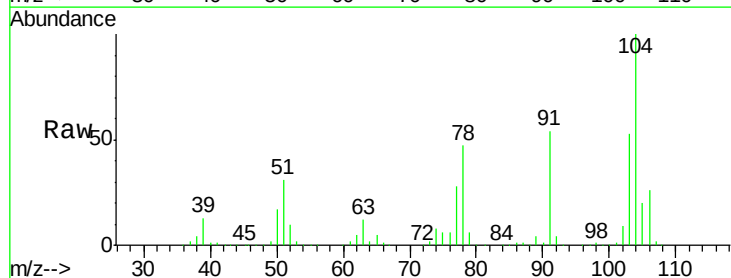
Manual Integrations
APPROVED

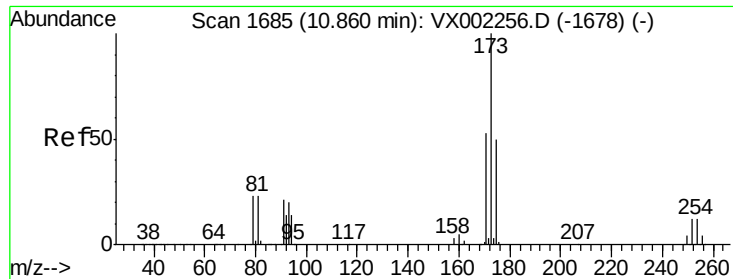
MMDadoda
6/11/2018 5:07:01 PM



#70
Styrene
Concen: 19.15 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion:104 Resp: 189489
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.6
103 56.8 44.2 66.4





#71

Bromoform

Concen: 17.74 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion:173 Resp: 46512

Ion Ratio Lower Upper

173 100

175 49.1 24.7 74.1

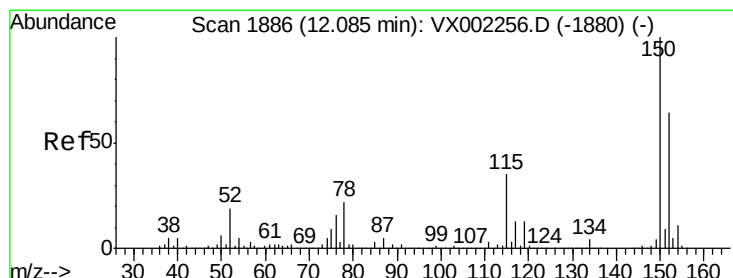
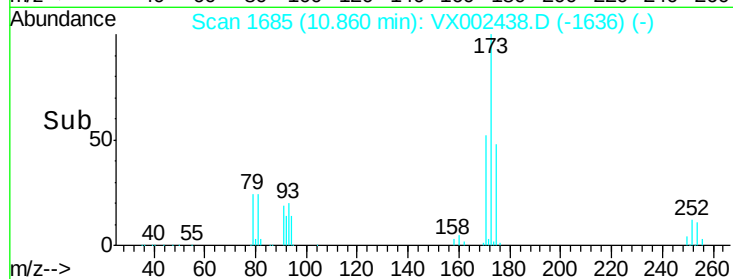
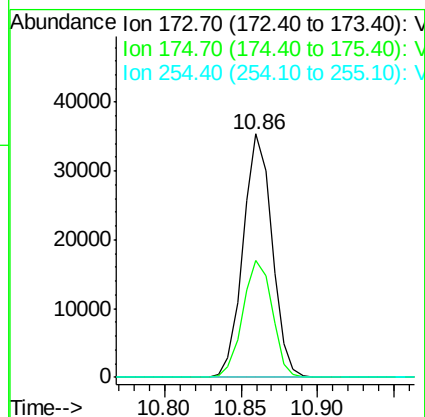
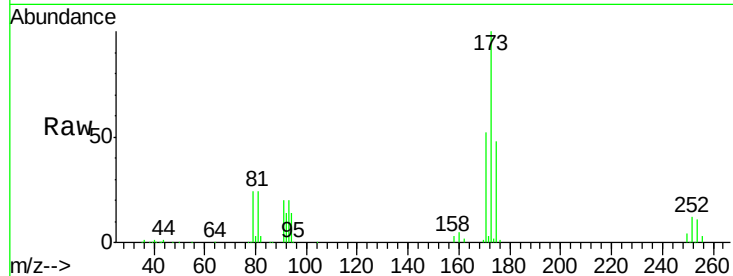
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 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: VX002438.D

Acq: 11 Jun 2018 13:00

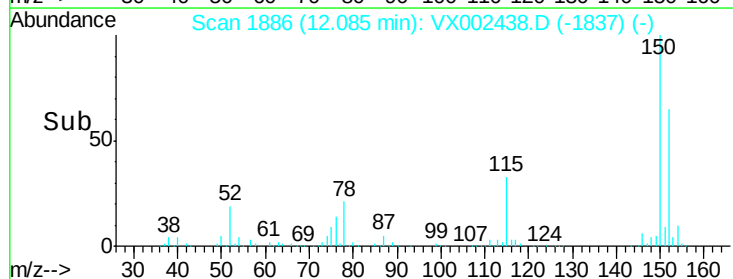
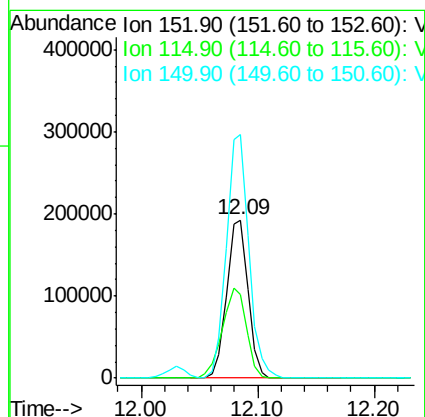
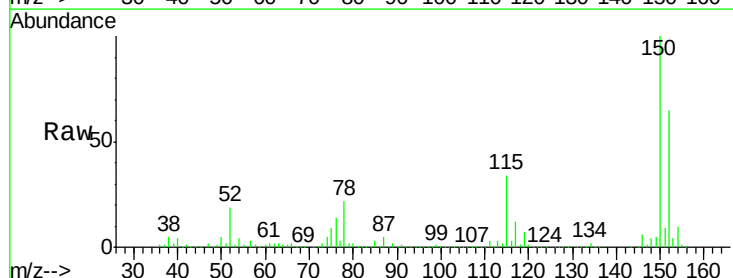
Tgt Ion:152 Resp: 242527

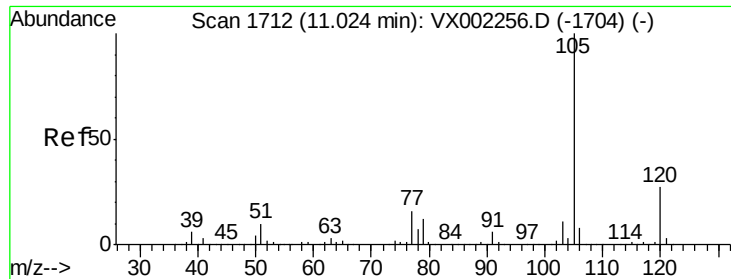
Ion Ratio Lower Upper

152 100

115 64.5 40.1 120.2

150 162.4 0.0 347.2





#73

Isopropylbenzene

Concen: 19.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 105 Resp: 323508

Ion Ratio Lower Upper

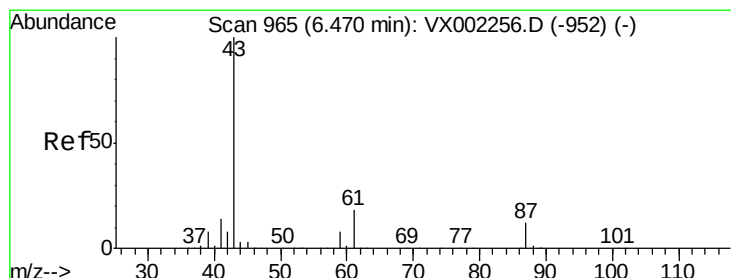
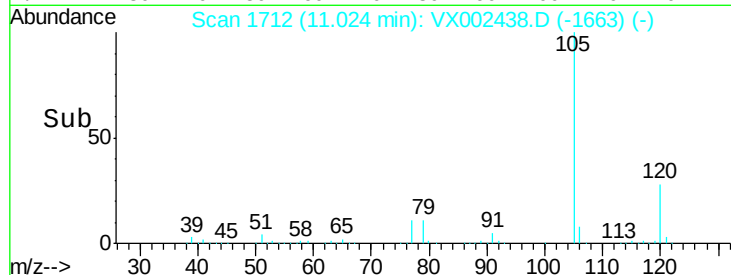
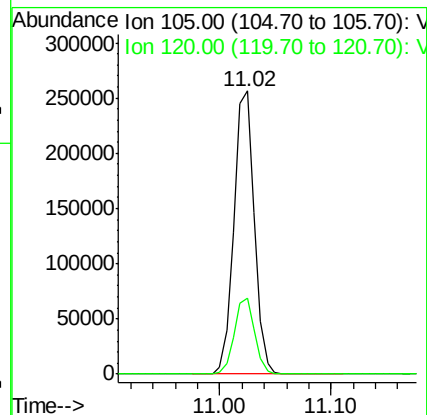
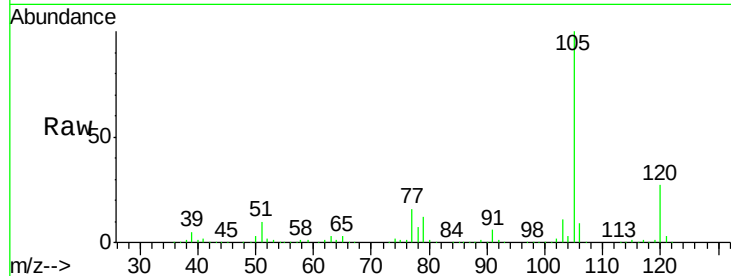
105 100

120 26.7 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#74

N-ethyl acetate

Concen: 16.30 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion: 43 Resp: 148147

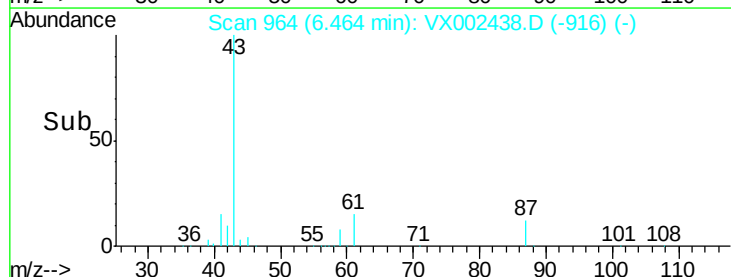
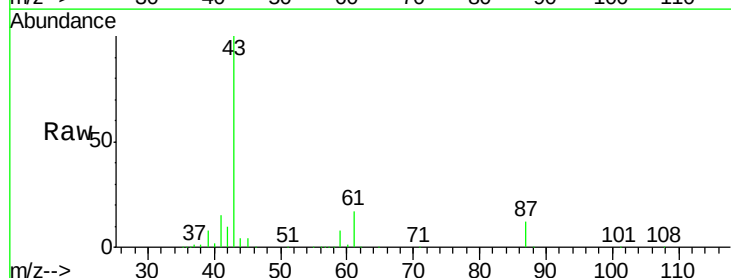
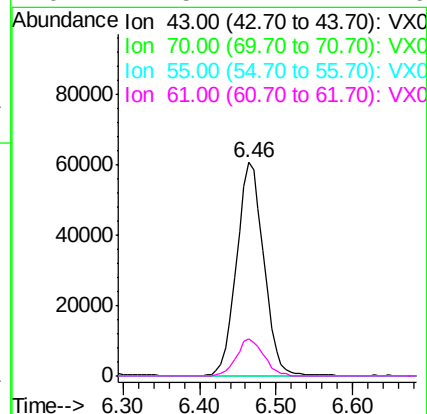
Ion Ratio Lower Upper

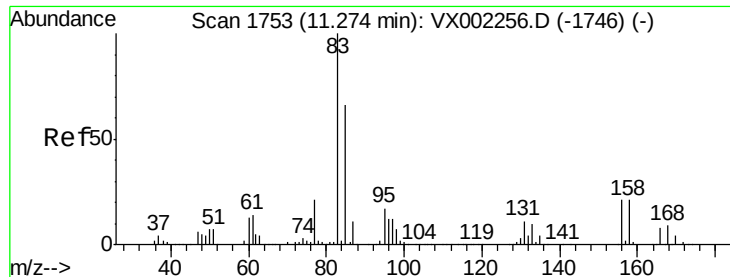
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.31 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

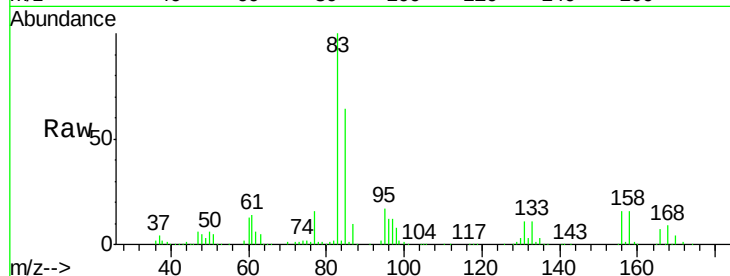
ClientSampled :

VX0611WBS01

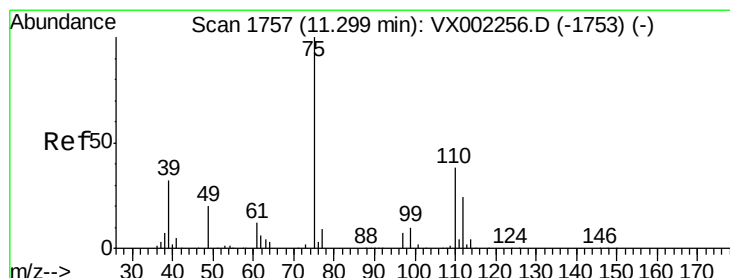
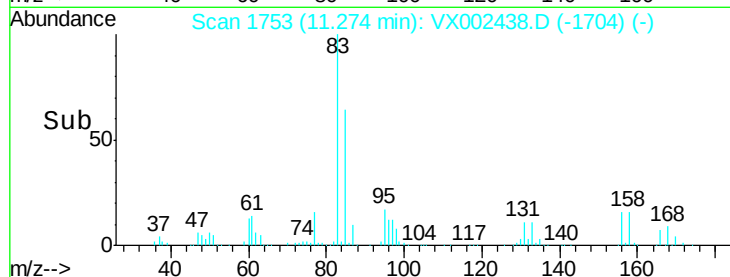
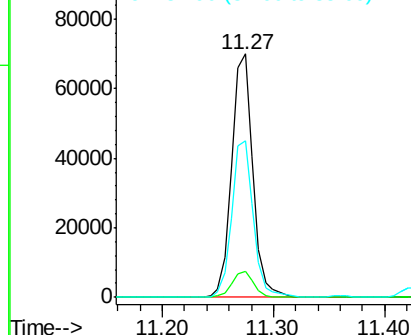
Tot Ion:	83	Resp:	91875
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	65.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 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: 15.42 ug/l m

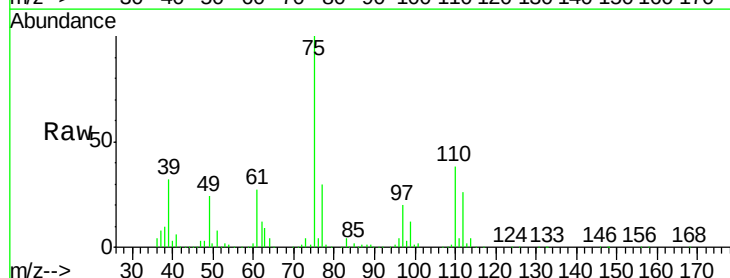
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

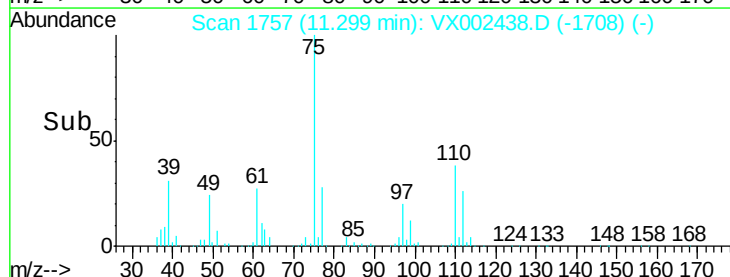
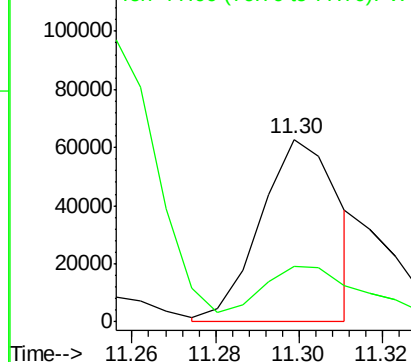
Lab File: VX002438.D

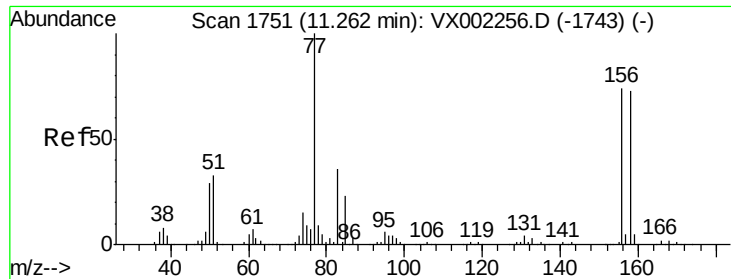
Acq: 11 Jun 2018 13:00

Tgt Ion:	75	Resp:	82086
Ion Ratio	Lower	Upper	
75	100		
77	41.3	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: 18.01 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

VX0611WBS01

Tot Ion:156 Resp: 85294

Ion Ratio Lower Upper

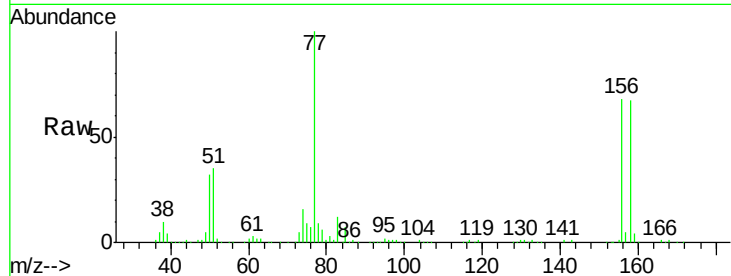
156 100

77 142.2 71.4 214.2

158 98.1 48.9 146.6

Manual Integrations
APPROVED

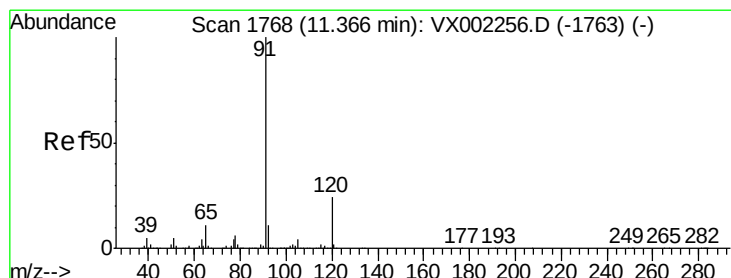
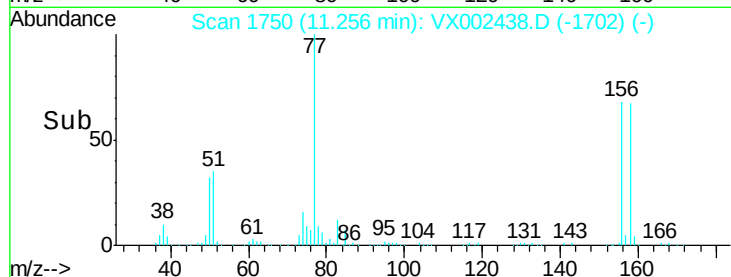
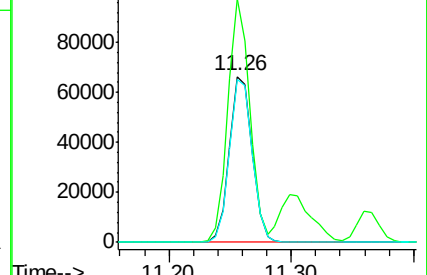
MMDadoda
6/11/2018 5:07:01 PM



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: 19.85 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002438.D

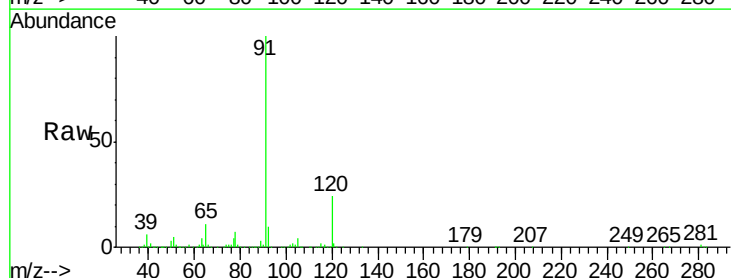
Acq: 11 Jun 2018 13:00

Tgt Ion: 91 Resp: 372220

Ion Ratio Lower Upper

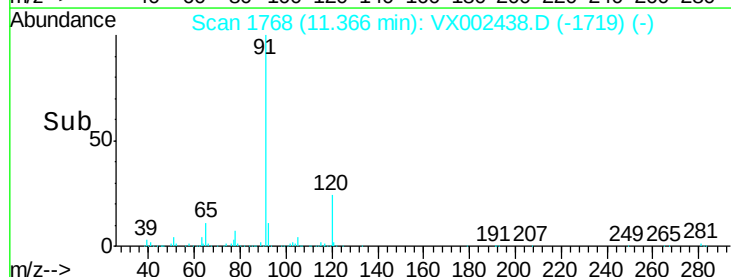
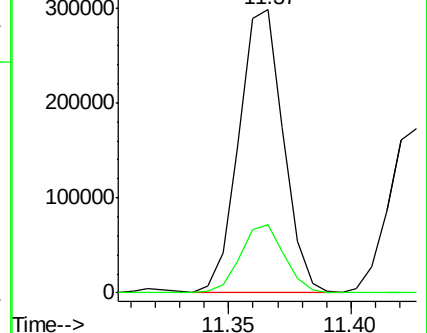
91 100

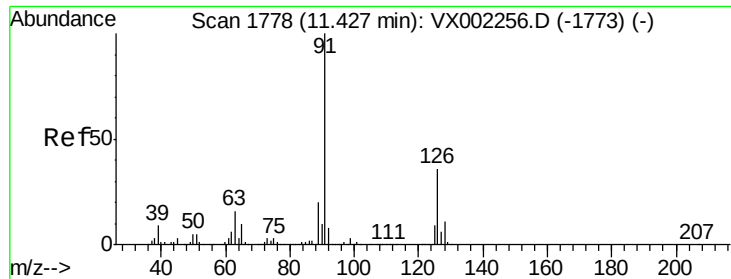
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.27 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion: 91 Resp: 216289

Ion Ratio Lower Upper

91 100

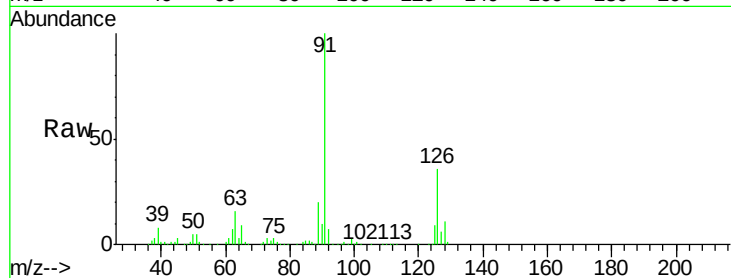
126 35.5 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



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

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

300000

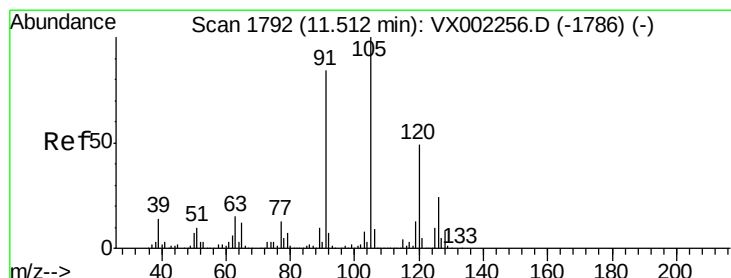
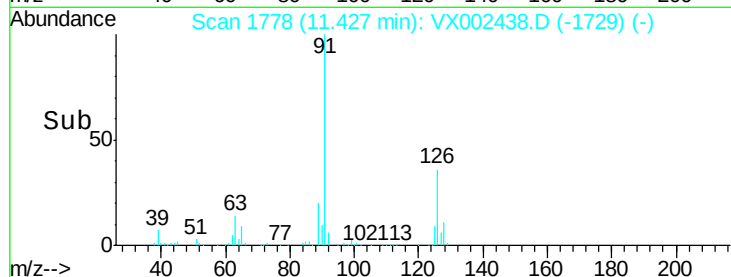
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002438.D

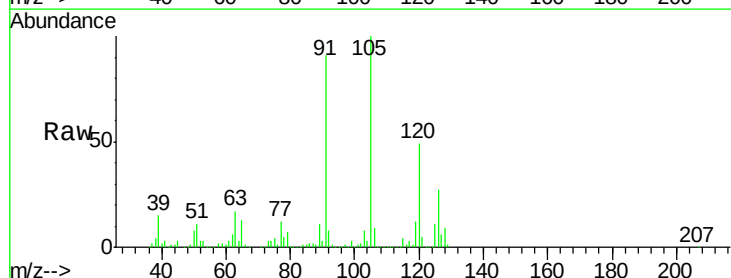
Acq: 11 Jun 2018 13:00

Tgt Ion: 105 Resp: 275401

Ion Ratio Lower Upper

105 100

120 47.9 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) (-)

250000

200000

150000

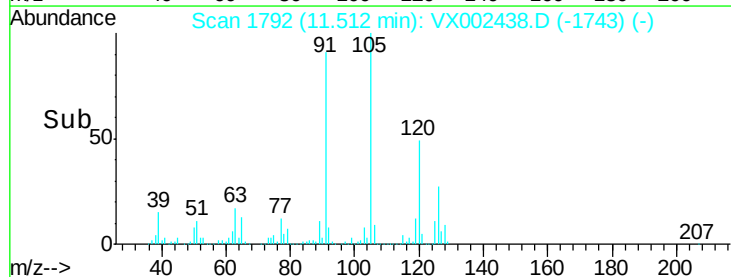
100000

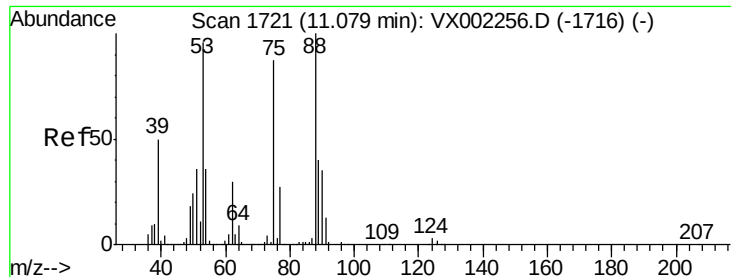
50000

0

11.50 11.60

Time-->





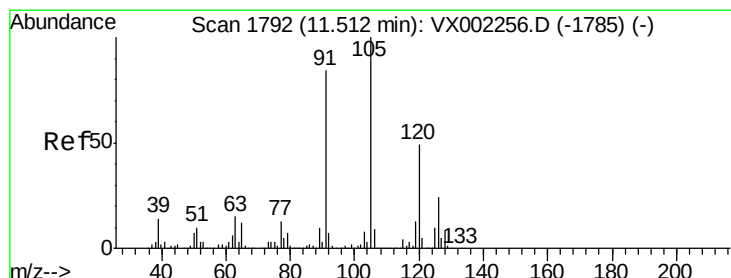
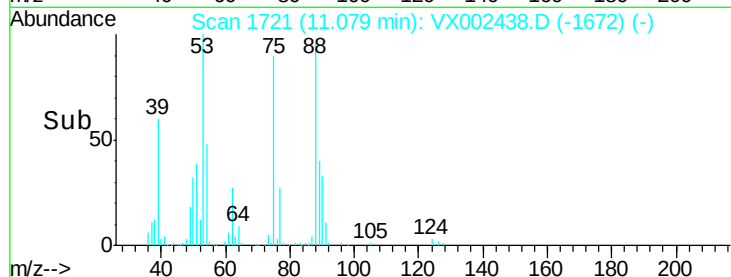
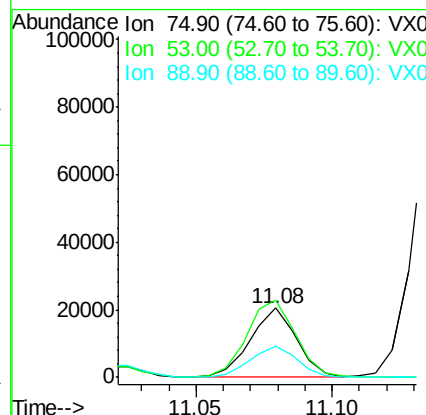
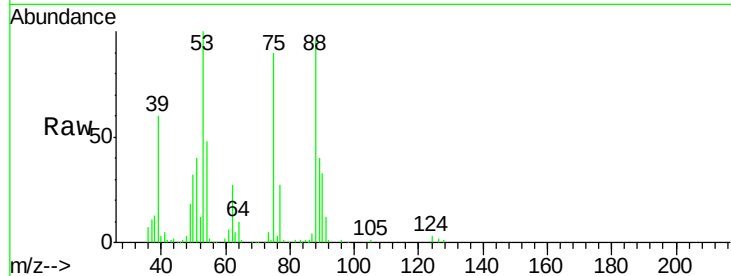
#81
trans-1,4-Dichloro-2-butene
Concen: 15.72 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.3	86.8	130.2
89	47.2	38.2	57.2

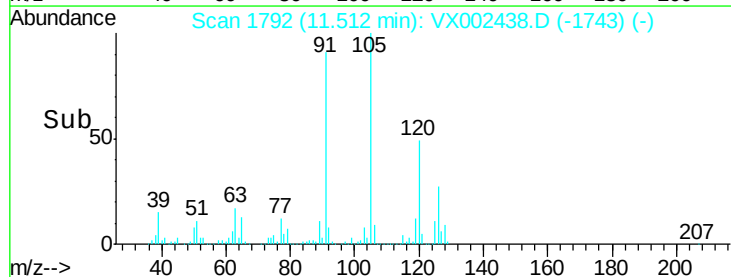
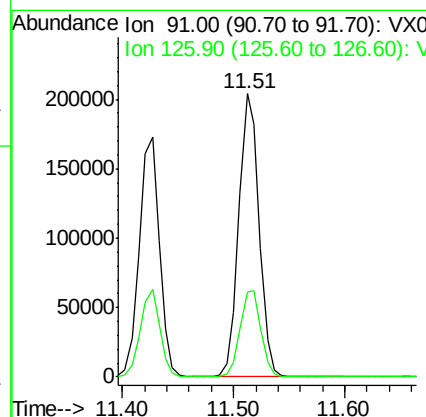
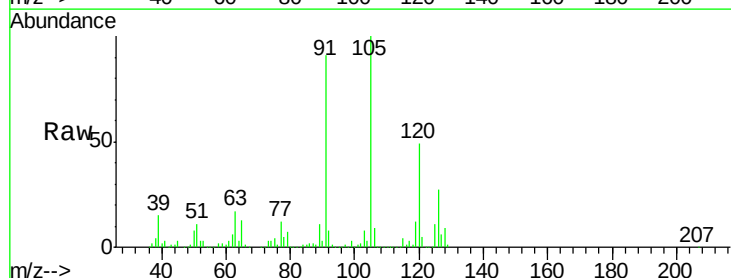
Manual Integrations
APPROVED

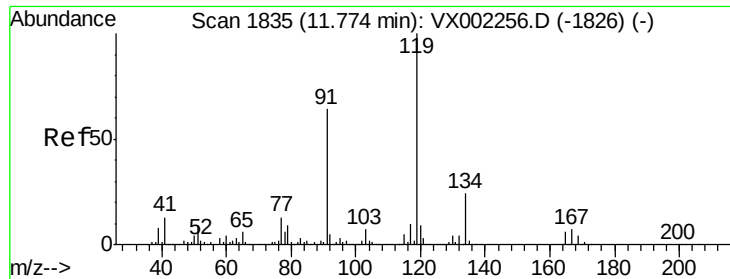
MMDadoda
6/11/2018 5:07:01 PM



#82
4-Chlorotoluene
Concen: 18.85 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.4





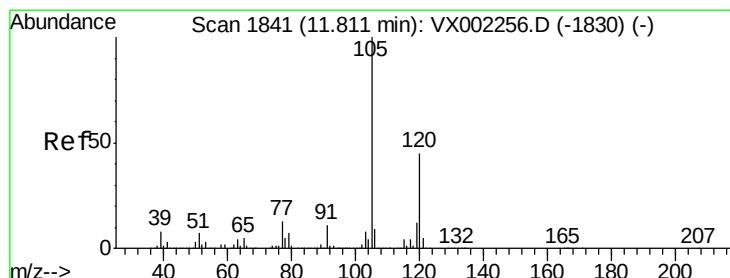
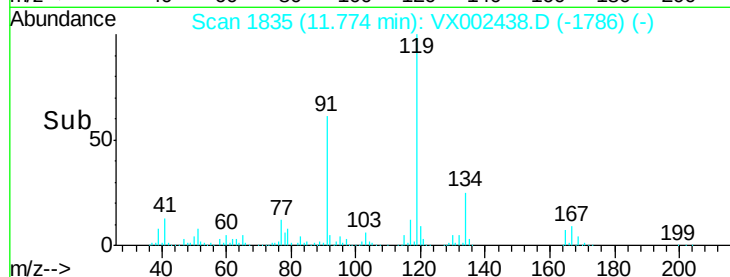
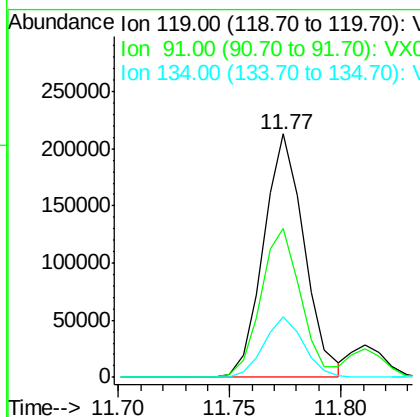
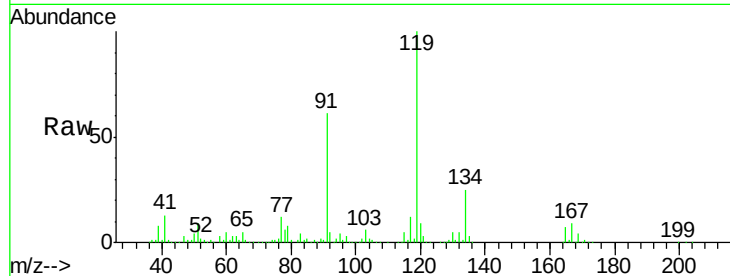
#83
 tert-Butylbenzene
 Concen: 19.17 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0611WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270139		
91	60.7		30.3	90.9
134	24.2		11.7	35.1

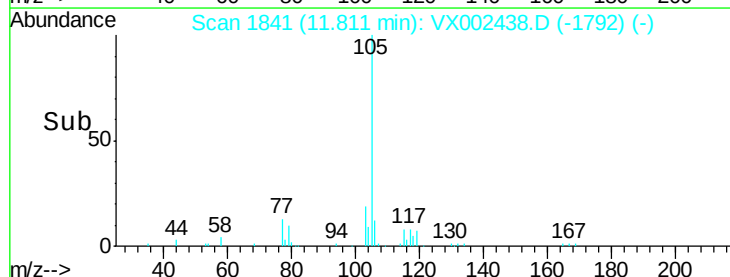
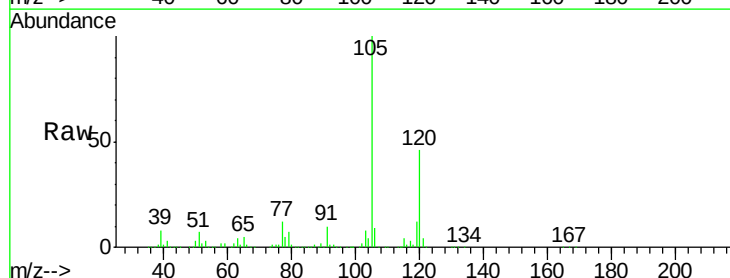
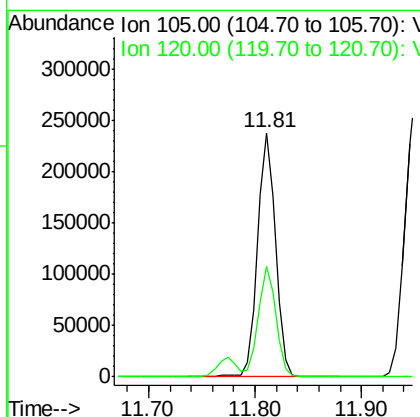
Manual Integrations
 APPROVED

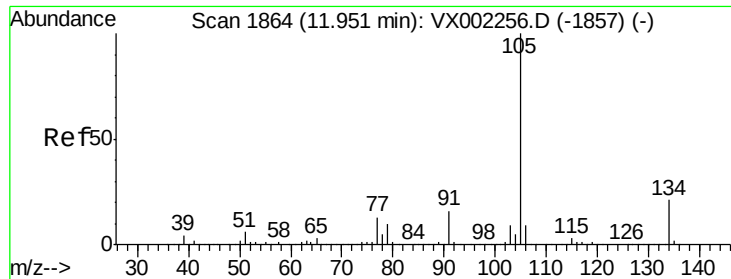
MMDadoda
 6/11/2018 5:07:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.97 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282585		
120	44.7		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.51 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBS01

Tot Ion:105 Resp: 338907

Ion Ratio Lower Upper

105 100

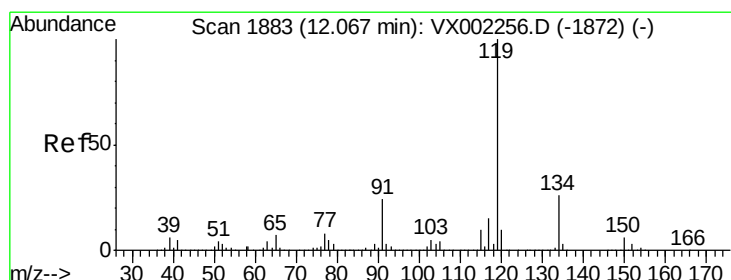
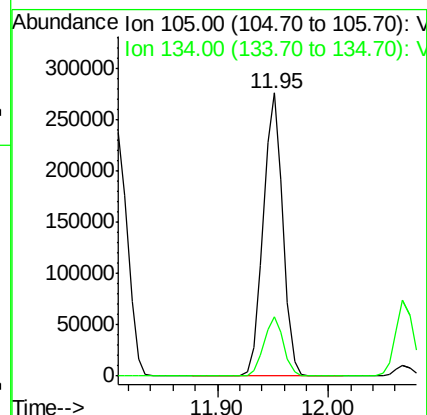
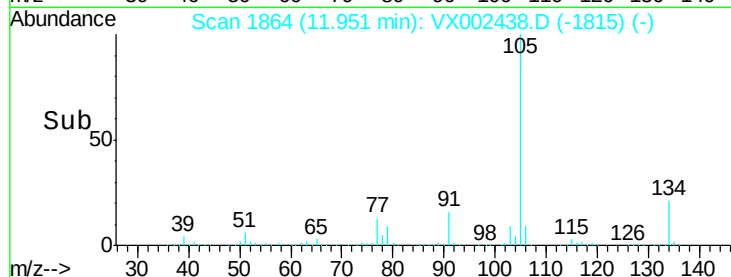
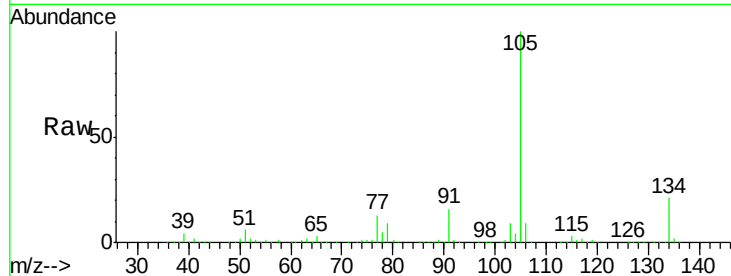
134 20.9 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

6/11/2018 5:07:01 PM



#86

p-Isopropyltoluene

Concen: 20.33 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

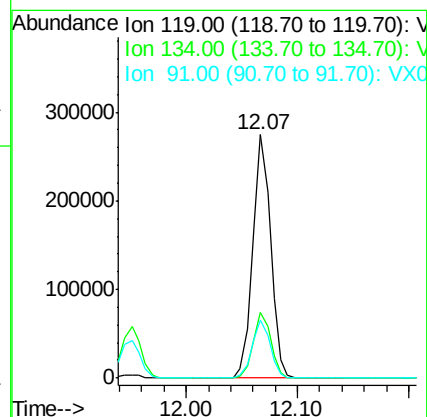
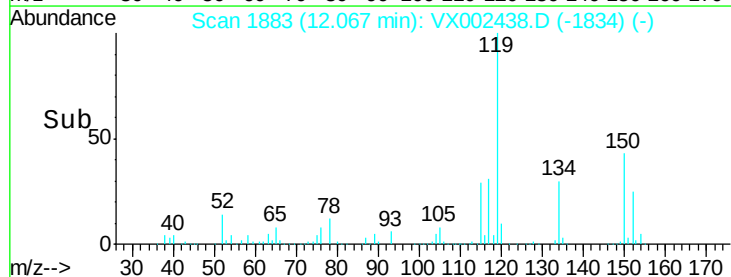
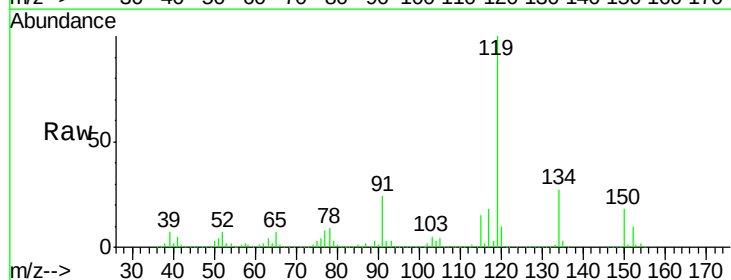
Tgt Ion:119 Resp: 305895

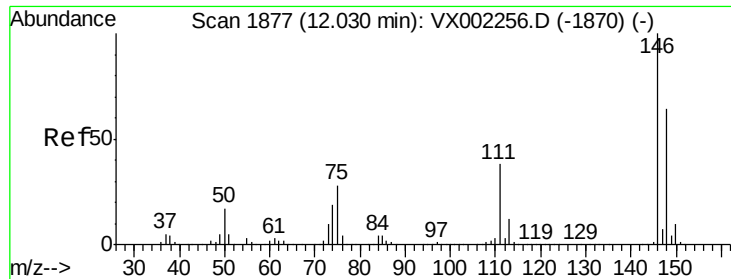
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.2 11.9 35.7





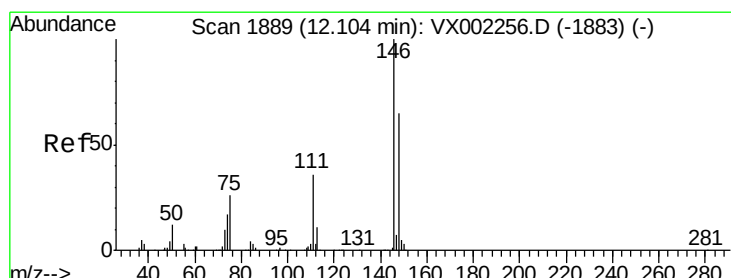
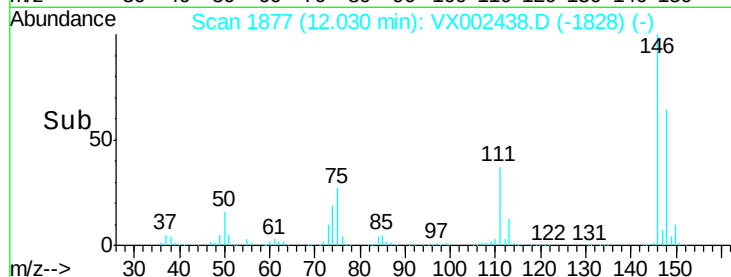
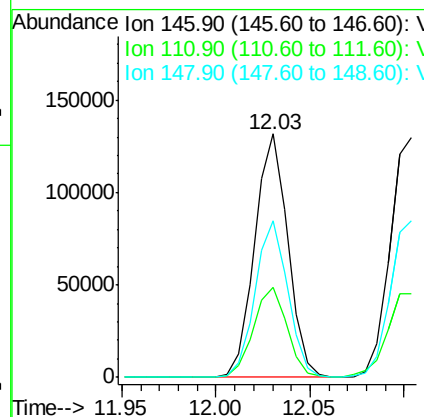
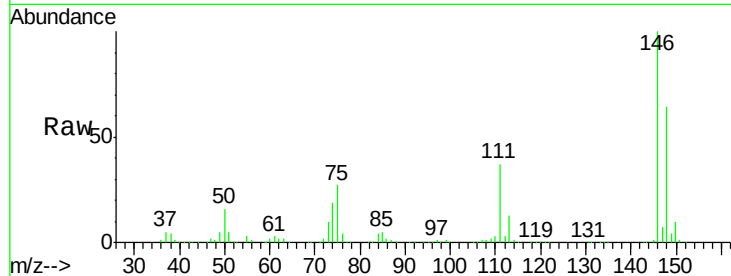
#87
 1,3-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0611WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	63.4	32.1	96.3

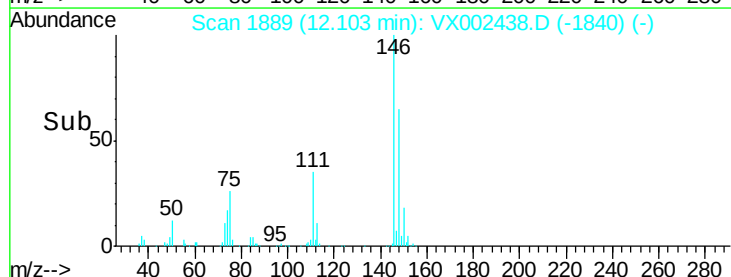
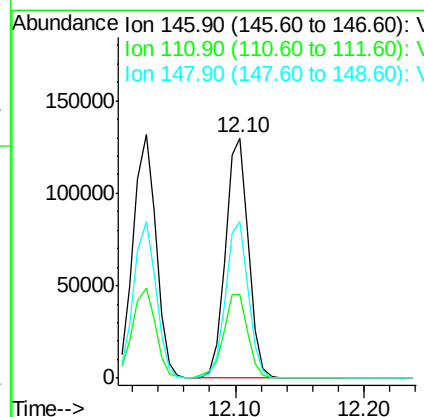
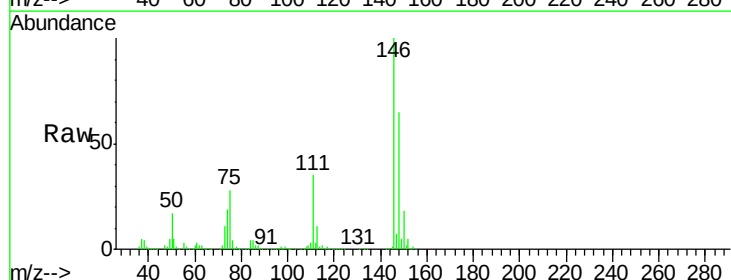
Manual Integrations
 APPROVED

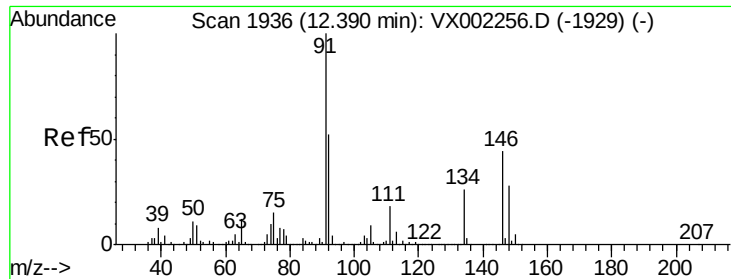
MMDadoda
 6/11/2018 5:07:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.8	32.4	97.0





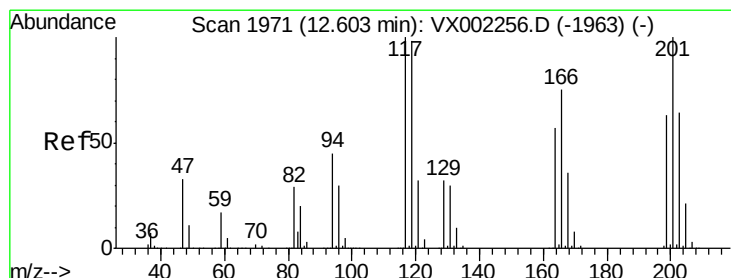
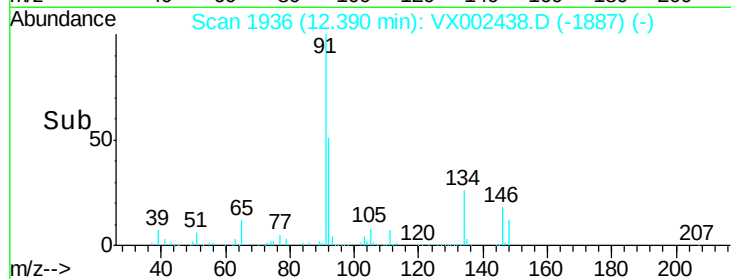
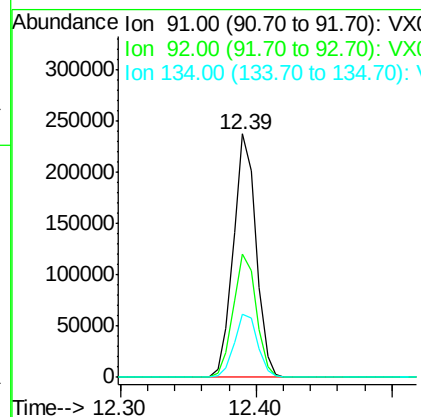
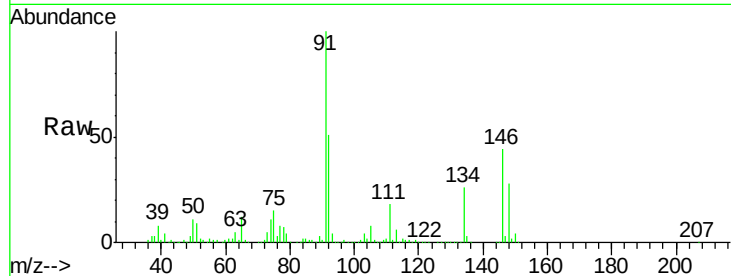
#89
n-Butylbenzene
Concen: 21.70 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	26.8	13.5	40.5

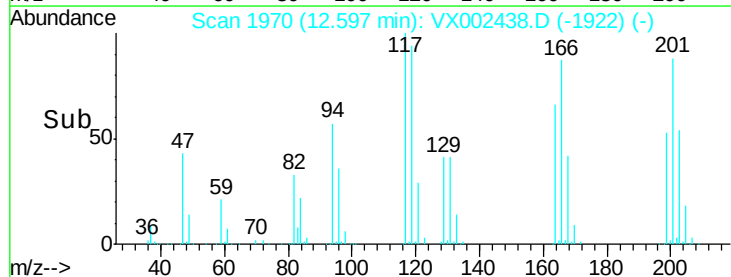
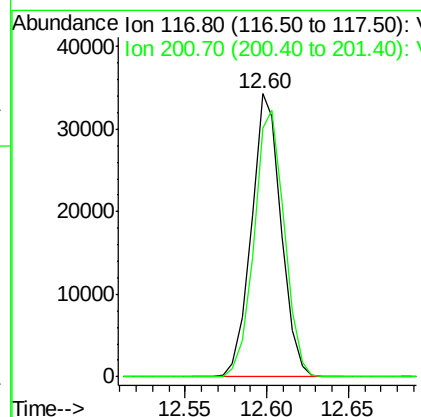
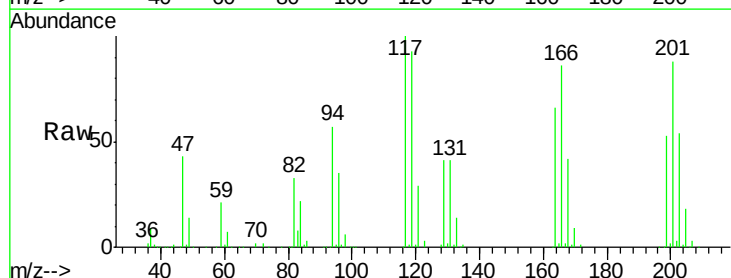
Manual Integrations
APPROVED

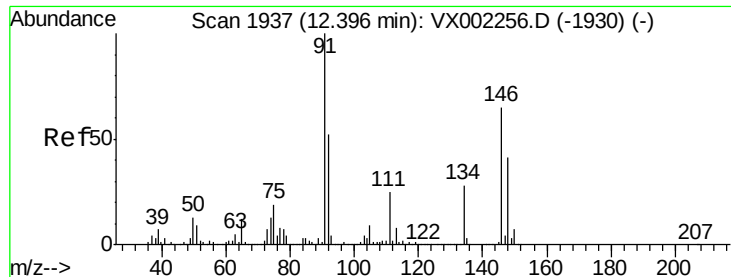
MMDadoda
6/11/2018 5:07:01 PM



#90
Hexachloroethane
Concen: 18.08 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002438.D
Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.8	49.0	147.0





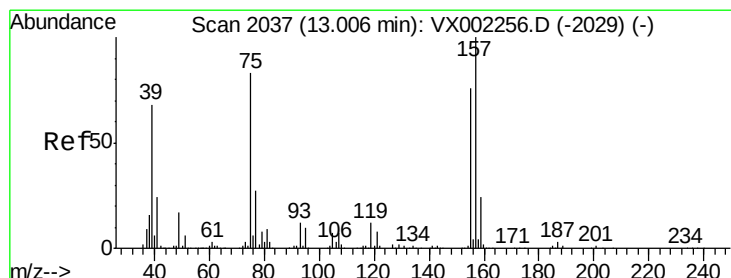
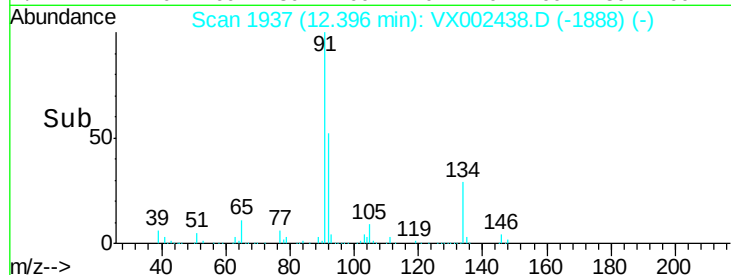
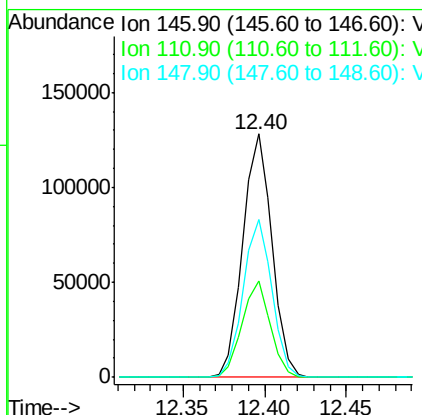
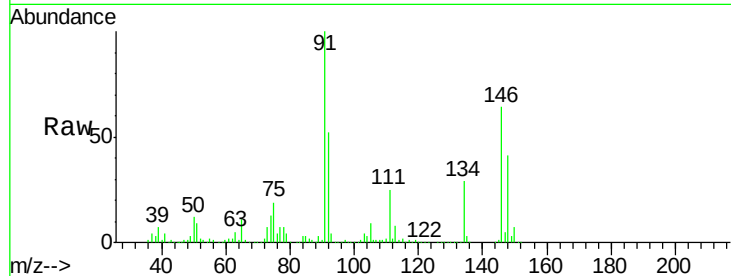
#91
 1,2-Dichlorobenzene
 Concen: 18.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159945		
111	38.6	19.4	58.1	
148	64.1	31.7	95.1	

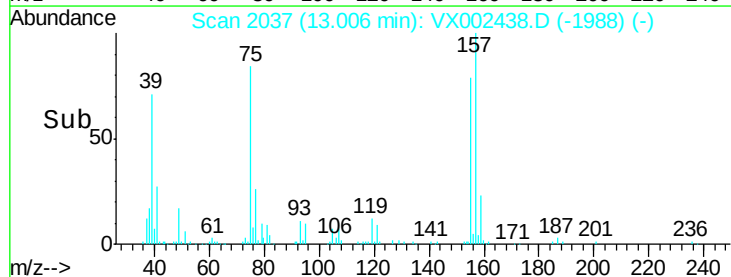
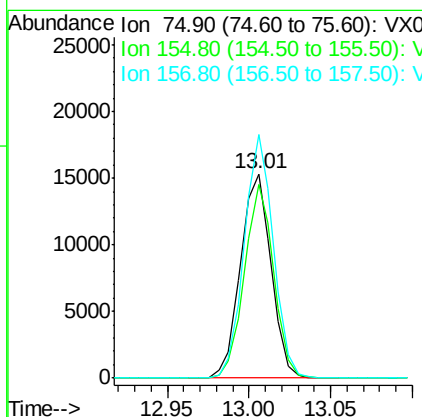
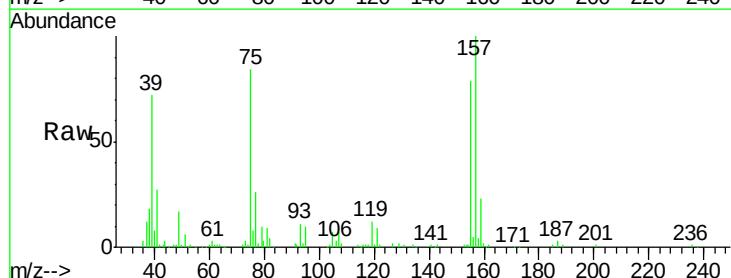
Manual Integrations
 APPROVED

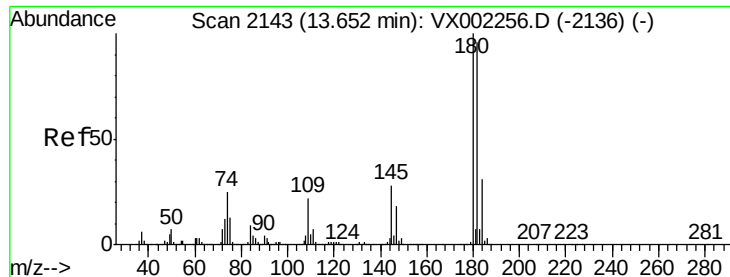
MMDadoda
 6/11/2018 5:07:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.25 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20016		
155	90.4	45.8	137.4	
157	113.6	60.1	180.3	





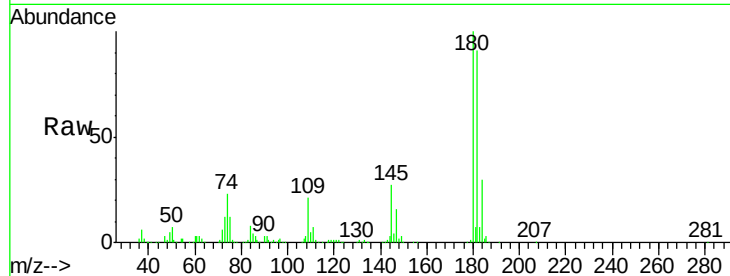
#93
 1,2,4-Trichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0611WBS01

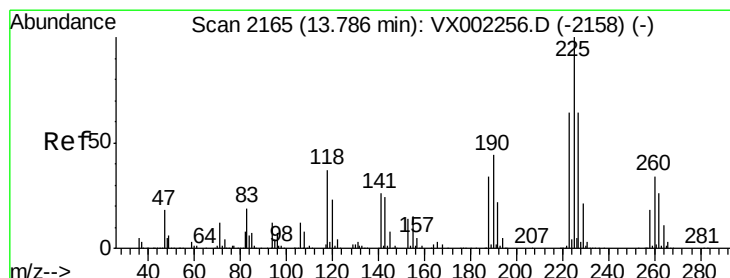
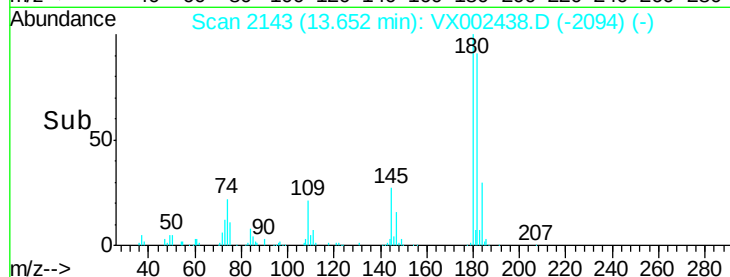
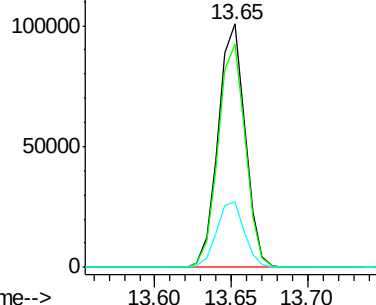
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123615		
182	92.0	47.7	143.1	
145	27.5	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 5:07:01 PM

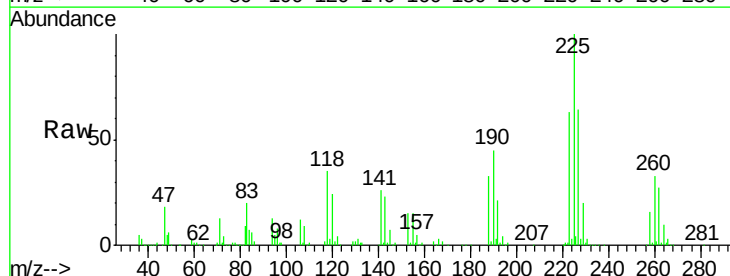


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

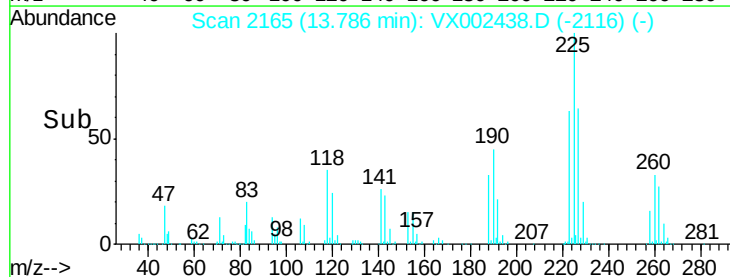
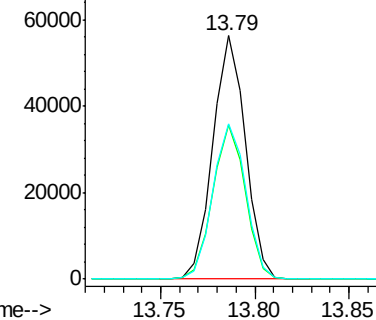


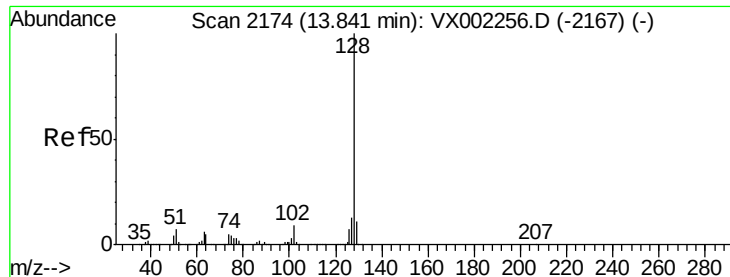
#94
 Hexachlorobutadiene
 Concen: 22.28 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002438.D
 Acq: 11 Jun 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67642		
223	63.1	31.6	95.0	
227	64.5	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.25 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Instrument :

MSVOA_X

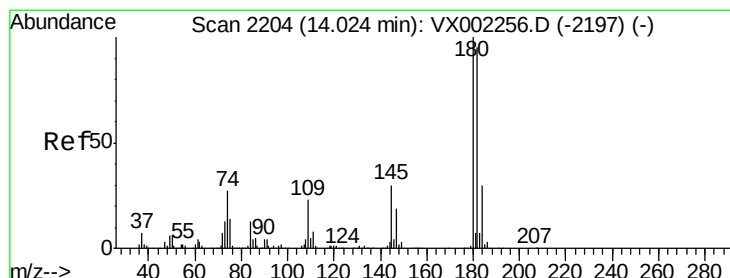
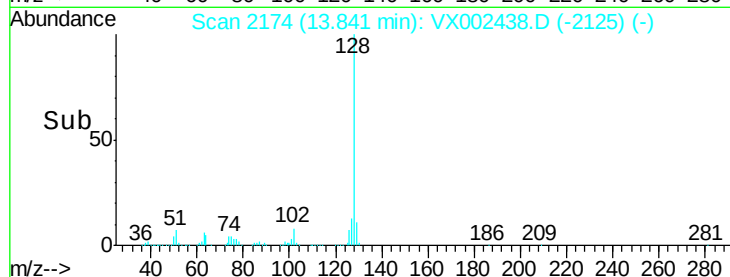
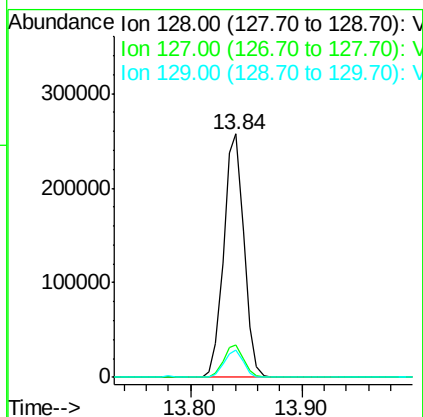
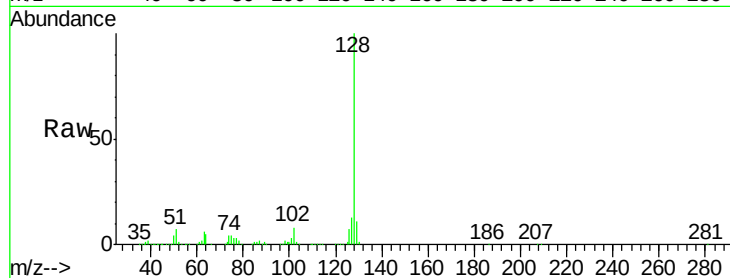
ClientSampleId :

VX0611WBS01

Tot Ion:	128	Resp:	322193
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/11/2018 5:07:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.43 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002438.D

Acq: 11 Jun 2018 13:00

Tgt Ion:	180	Resp:	121718
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	30.0	14.8	44.3

