

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003254.D
 Acq On : 09 Jul 2018 20:04
 Operator : JC/MD
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:50 PM

Quant Time: Jul 10 01:21:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211703	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	201690	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	173202	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.72	98	638713	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	231147	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	80838	19.98	ug/l	96
3) Chloromethane	1.32	50	67055	18.23	ug/l	99
4) Vinyl Chloride	1.40	62	70724	18.73	ug/l	98
5) Bromomethane	1.64	94	30496	27.67	ug/l	99
6) Chloroethane	1.72	64	40691	19.45	ug/l	98
7) Trichlorofluoromethane	1.93	101	107145	19.09	ug/l	100
8) Diethyl Ether	2.19	74	38368	18.91	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61928	18.85	ug/l	98
10) Methyl Iodide	2.51	142	54386	18.95	ug/l	97
11) Tert butyl alcohol	3.08	59	78938	103.97	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54908	18.36	ug/l	89
13) Acrolein	2.29	56	52548	85.89	ug/l	99
14) Allyl chloride	2.73	41	102494	18.50	ug/l	94
15) Acrylonitrile	3.15	53	163458	96.42	ug/l	98
16) Acetone	2.45	43	147023	98.89	ug/l	93
17) Carbon Disulfide	2.57	76	150112	18.06	ug/l	99
18) Methyl Acetate	2.78	43	84832	20.23	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	186823	18.70	ug/l	100
20) Methylene Chloride	2.86	84	61134	19.64	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	59127	18.55	ug/l	90
22) Diisopropyl ether	3.88	45	191373	16.98	ug/l #	97
23) Vinyl Acetate	3.83	43	828721	86.62	ug/l	96
24) 1,1-Dichloroethane	3.70	63	108992	18.58	ug/l	99
25) 2-Butanone	4.71	43	261139	99.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	80333	15.66	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	72873	18.60	ug/l	99
28) Bromochloromethane	5.02	49	59046	19.98	ug/l	84
29) Tetrahydrofuran	5.17	42	167096	97.86	ug/l	95
30) Chloroform	5.21	83	122115	18.93	ug/l	99
31) Cyclohexane	5.58	56	103478	18.84	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	108573	19.08	ug/l	98
36) 1,1-Dichloropropene	5.80	75	89112	18.90	ug/l	97
37) Ethyl Acetate	4.87	43	98997	19.15	ug/l	97
38) Carbon Tetrachloride	5.78	117	97687	18.94	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003254.D
 Acq On : 09 Jul 2018 20:04
 Operator : JC/MD
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:50 PM

Quant Time: Jul 10 01:21:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103011	18.55	ug/l	97
40) Benzene	6.15	78	271321	19.42	ug/l	99
41) Methacrylonitrile	5.07	41	55733	19.70	ug/l	96
42) 1,2-Dichloroethane	6.20	62	98931	18.95	ug/l	97
43) Isopropyl Acetate	6.48	43	155019	19.10	ug/l	96
44) Trichloroethene	7.22	130	80461	19.47	ug/l	93
45) 1,2-Dichloropropane	7.52	63	69646	19.17	ug/l	99
46) Dibromomethane	7.67	93	47026	18.99	ug/l	91
47) Bromodichloromethane	7.90	83	86164	18.86	ug/l	100
48) Methyl methacrylate	7.78	41	78906	18.95	ug/l	91
49) 1,4-Dioxane	7.76	88	35652	409.60	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	507683	100.47	ug/l	96
52) Toluene	8.79	92	172746	19.56	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	99715	18.55	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	90228	18.44	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	71090	19.40	ug/l	96
56) Ethyl methacrylate	9.18	69	95263	18.98	ug/l	91
57) 1,3-Dichloropropane	9.38	76	113511	19.23	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	249410	103.02	ug/l	95
59) 2-Hexanone	9.50	43	385947	100.56	ug/l	95
60) Dibromochloromethane	9.59	129	71354	18.65	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74524	19.41	ug/l	100
64) Tetrachloroethene	9.34	164	92485	20.04	ug/l	98
65) Chlorobenzene	10.14	112	199048	19.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73660	19.68	ug/l	99
67) Ethyl Benzene	10.26	91	324509	19.35	ug/l	99
68) m/p-Xylenes	10.36	106	254483	39.00	ug/l	97
69) o-Xylene	10.70	106	124688	19.72	ug/l	94
70) Styrene	10.71	104	201189	19.63	ug/l	98
71) Bromoform	10.86	173	56873	18.47	ug/l #	100
73) Isopropylbenzene	11.02	105	334292	20.00	ug/l	100
74) N-amyl acetate	6.48	43	155019	19.44	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	100778	19.44	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	100831m	22.04	ug/l	
77) Bromobenzene	11.26	156	96170	19.93	ug/l	93
78) n-propylbenzene	11.37	91	370473	19.94	ug/l	98
79) 2-Chlorotoluene	11.43	91	223539	19.74	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	279262	20.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24386	17.42	ug/l	100
82) 4-Chlorotoluene	11.51	91	259953	19.66	ug/l	98
83) tert-Butylbenzene	11.77	119	274177	19.72	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	285960	20.06	ug/l	98
85) sec-Butylbenzene	11.95	105	325566	19.81	ug/l	99
86) p-Isopropyltoluene	12.07	119	295448	19.73	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	170914	19.31	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	173588	19.37	ug/l	99
89) n-Butylbenzene	12.39	91	235832	18.85	ug/l	99
90) Hexachloroethane	12.60	117	41291	18.06	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	173482	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21206	19.06	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
Data File : VX003254.D
Acq On : 09 Jul 2018 20:04
Operator : JC/MD
Sample : VX0709WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

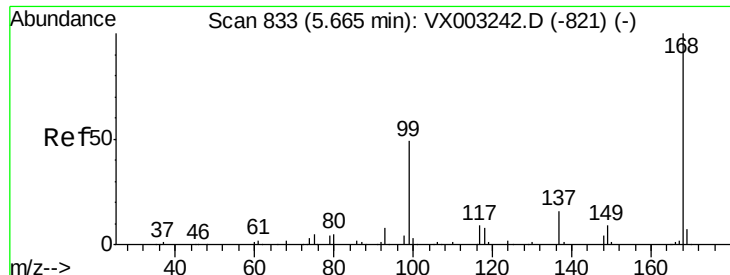
Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM

Quant Time: Jul 10 01:21:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124716	19.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	60800	18.88	ug/l	99
95) Naphthalene	13.84	128	344144	20.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128543	19.92	ug/l	99

(#) = 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. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:168 Resp: 266099

Ion Ratio Lower Upper

168 100

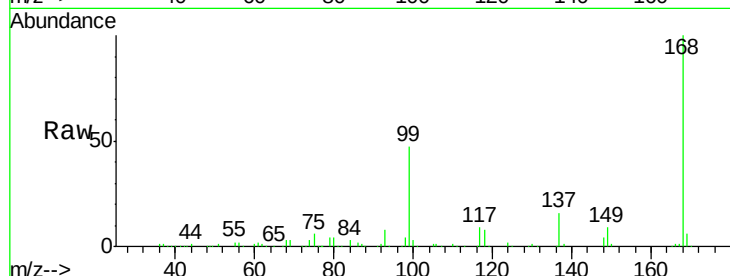
99 47.0 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

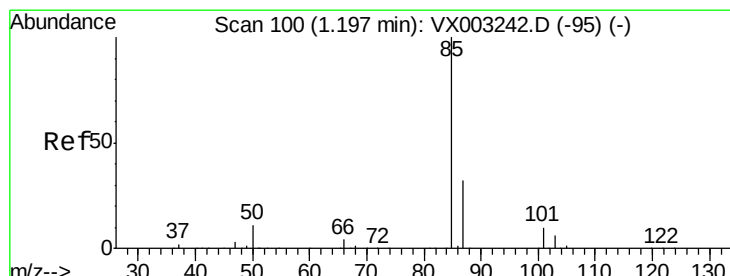
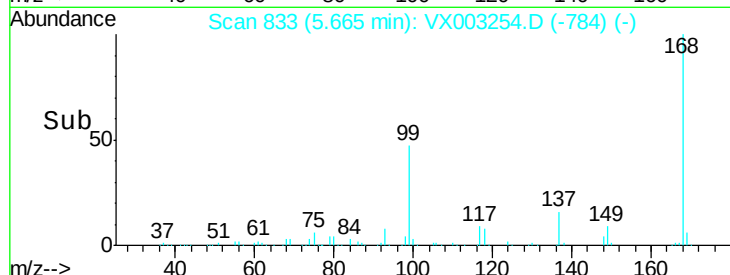
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003254.D

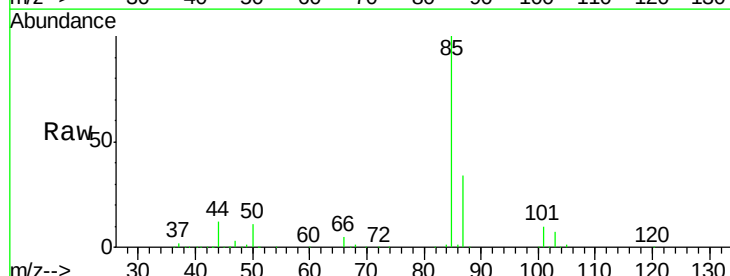
Acq: 09 Jul 2018 20:04

Tgt Ion: 85 Resp: 80838

Ion Ratio Lower Upper

85 100

87 34.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

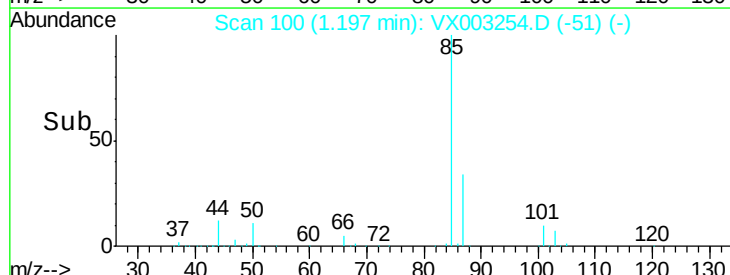
40000

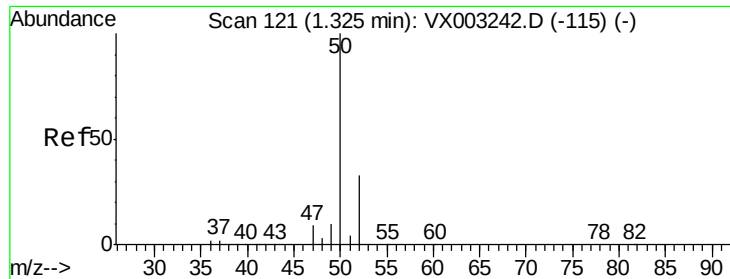
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 50 Resp: 67055

Ion Ratio Lower Upper

50 100

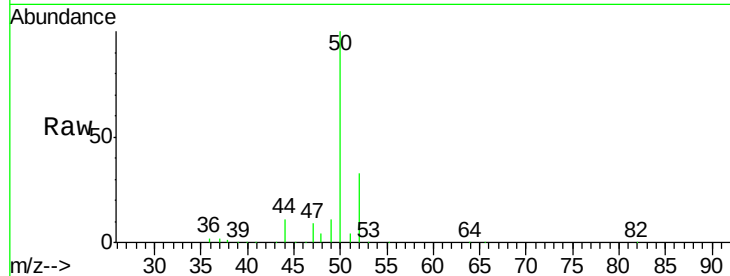
52 32.7 25.7 38.5

Manual Integrations

APPROVED

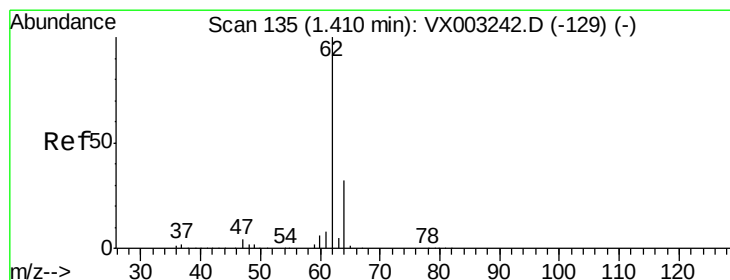
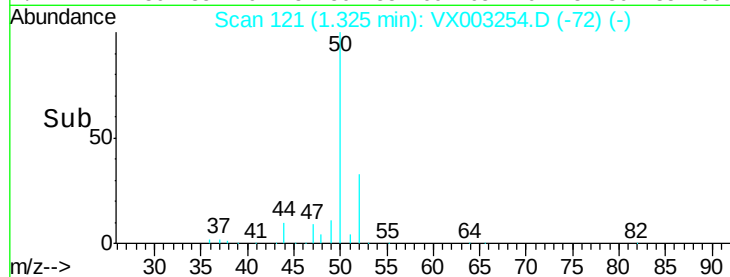
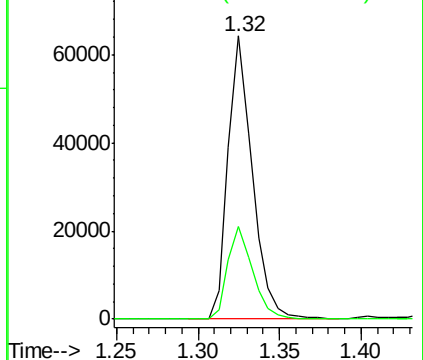
MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003254.D

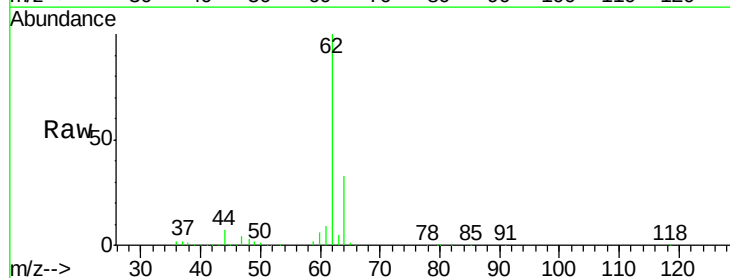
Acq: 09 Jul 2018 20:04

Tgt Ion: 62 Resp: 70724

Ion Ratio Lower Upper

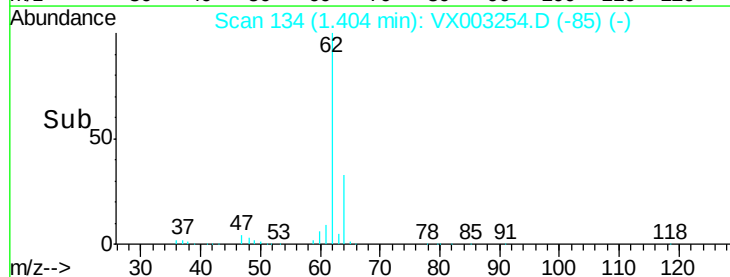
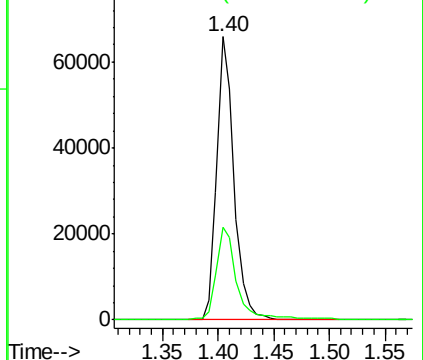
62 100

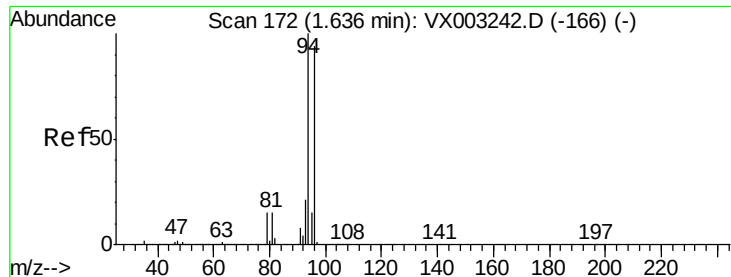
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 27.67 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 94 Resp: 30496

Ion Ratio Lower Upper

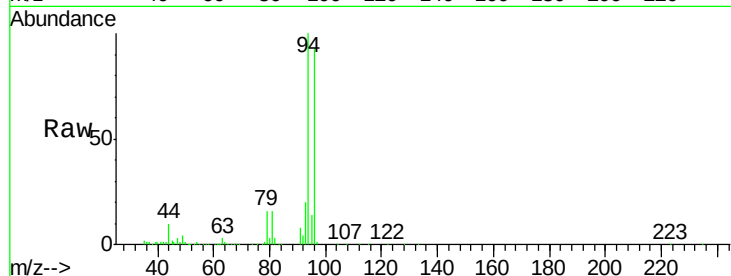
94 100

96 92.8 74.9 112.3

Manual Integrations
APPROVED

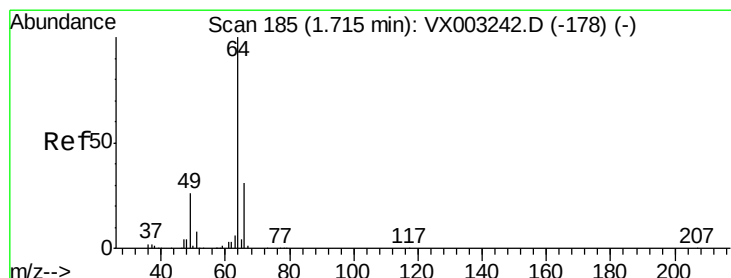
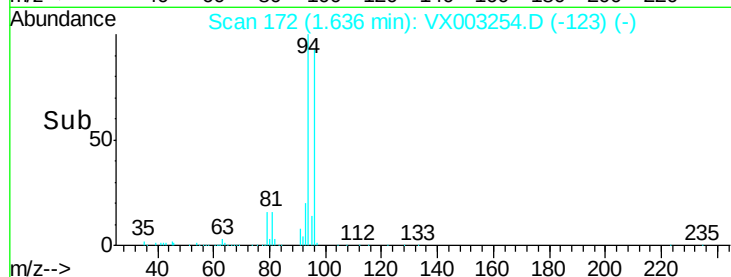
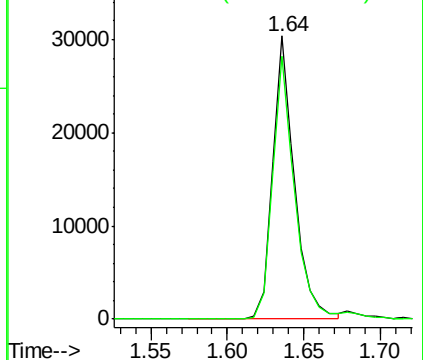
MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.45 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003254.D

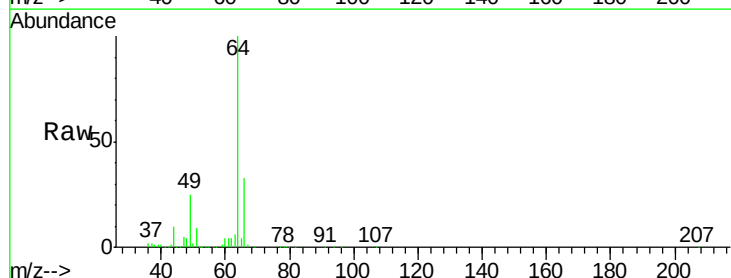
Acq: 09 Jul 2018 20:04

Tgt Ion: 64 Resp: 40691

Ion Ratio Lower Upper

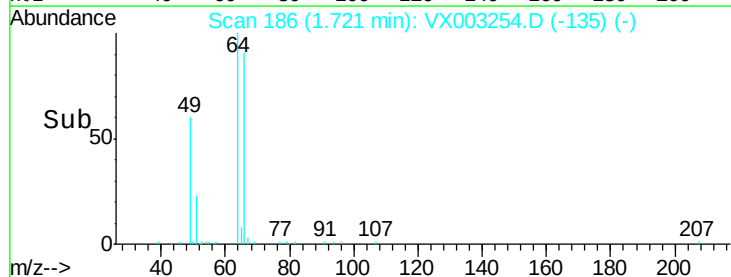
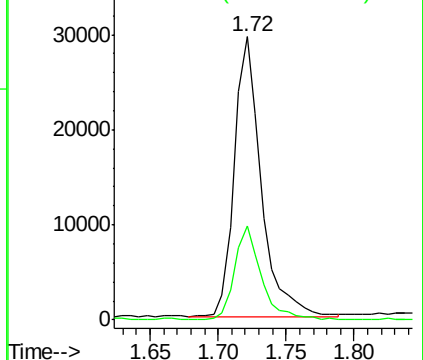
64 100

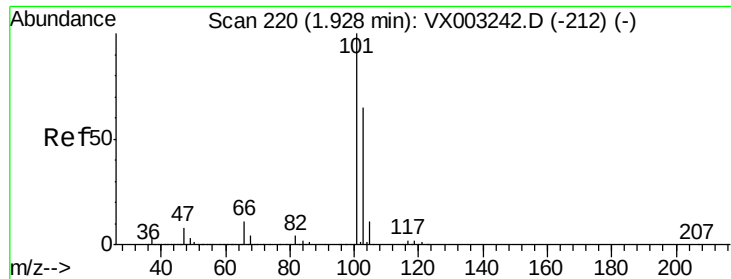
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

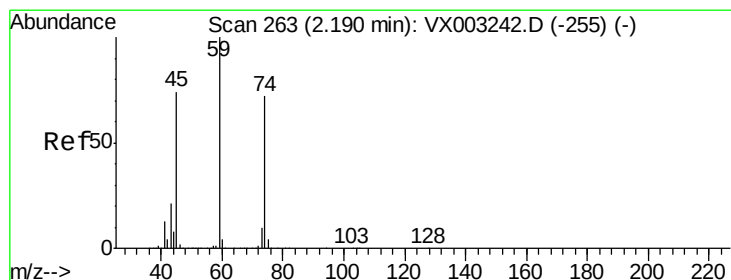
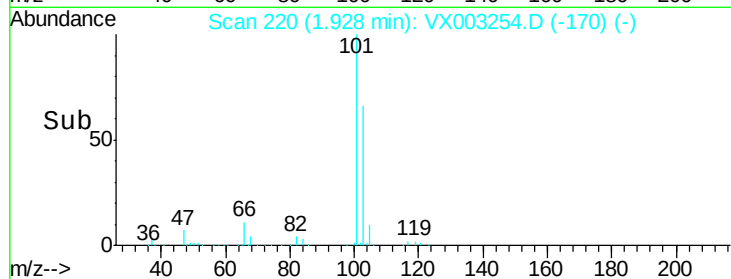
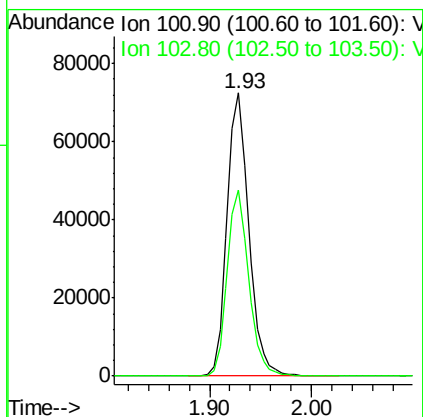
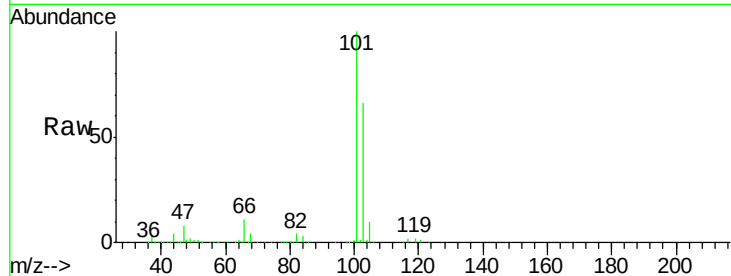
Trichlorofluoromethane
Concen: 19.09 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.8	79.2

Manual Integrations
APPROVED

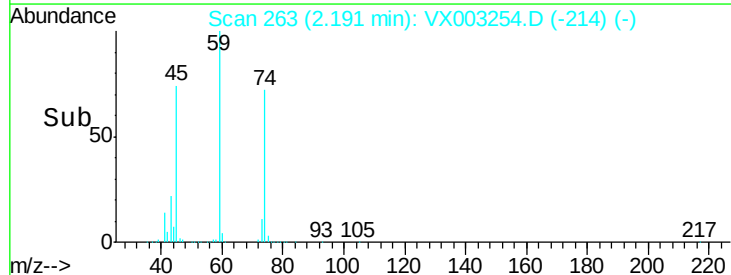
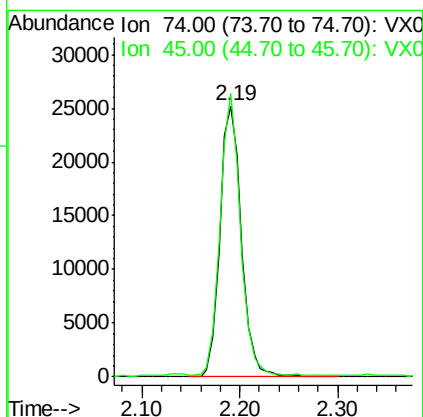
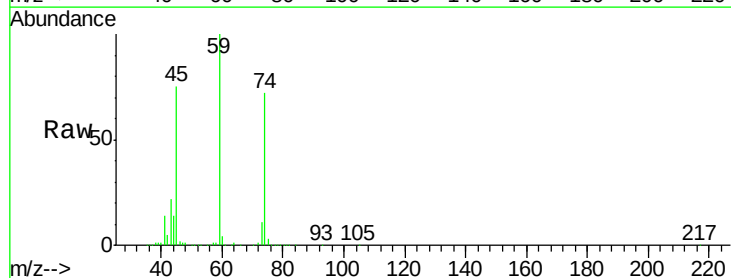
MMDadoda
7/10/2018 3:11:50 PM

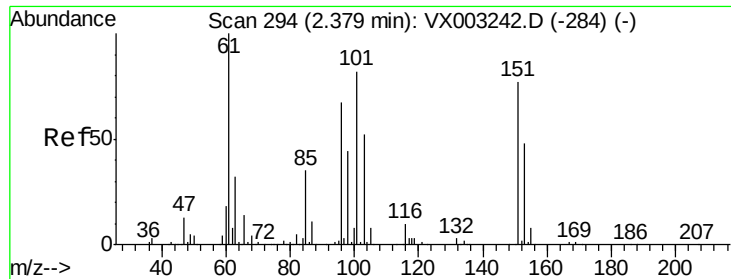


#8

Diethyl Ether
Concen: 18.91 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	53.1	159.4





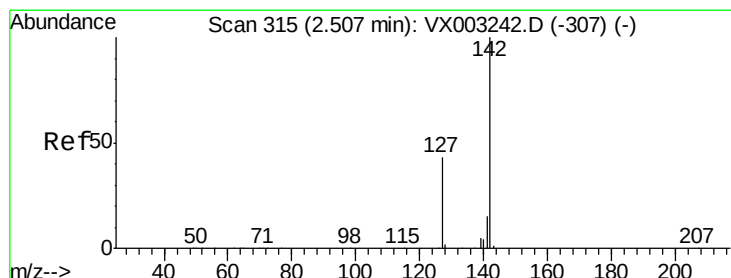
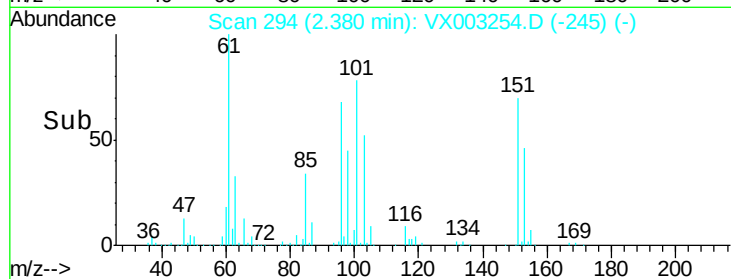
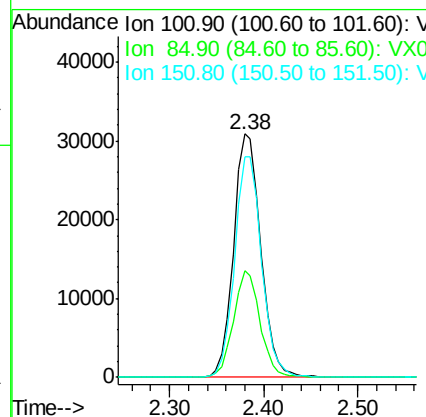
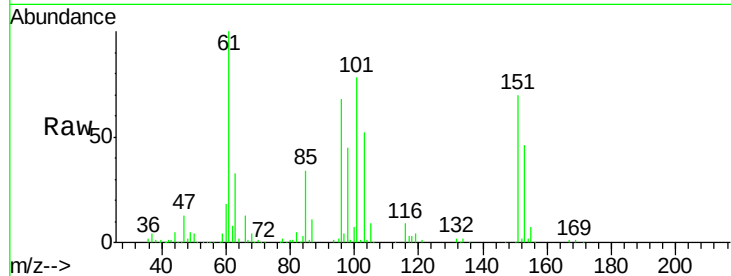
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.85 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	61928		
85	42.7		36.0	54.0
151	90.2		70.9	106.3

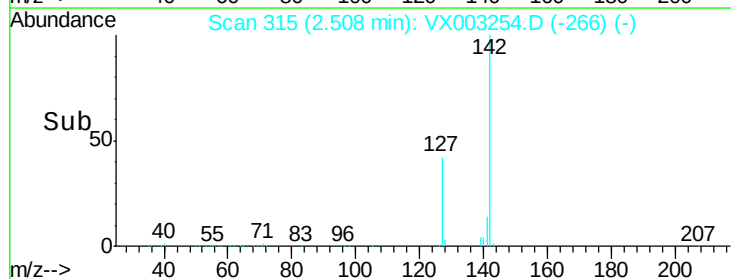
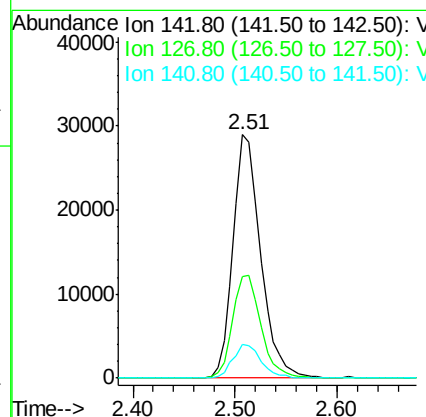
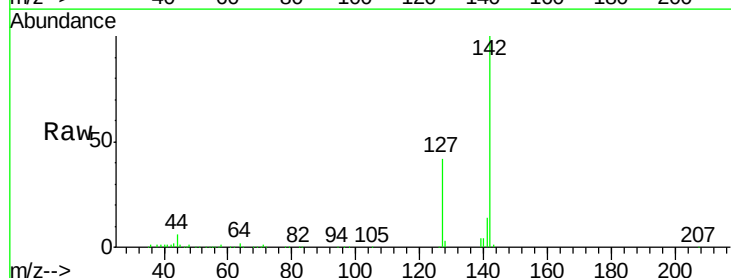
Manual Integrations
 APPROVED

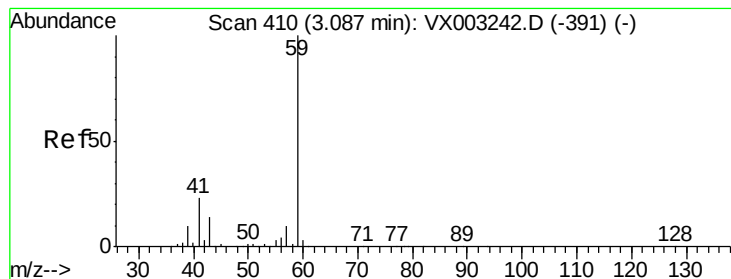
MMDadoda
 7/10/2018 3:11:50 PM



#10
 Methyl Iodide
 Concen: 18.95 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54386		
127	43.1		36.6	55.0
141	14.2		11.3	16.9





#11

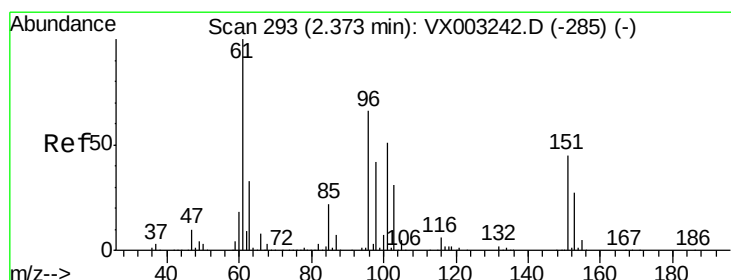
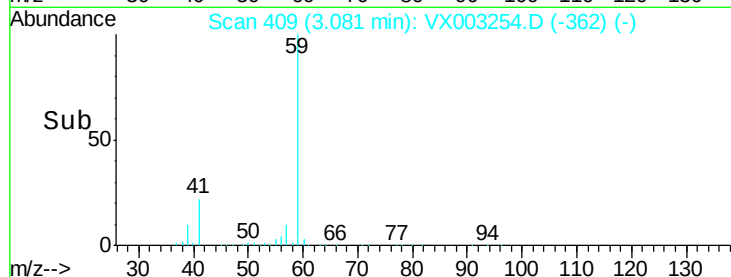
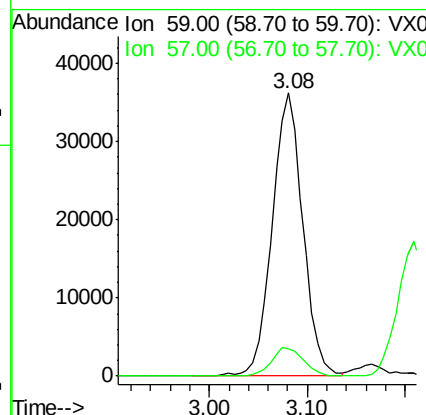
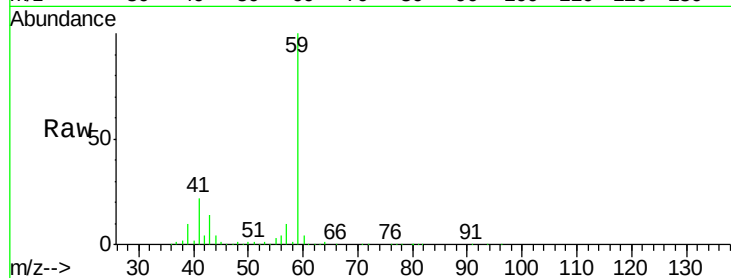
Tert butyl alcohol
Concen: 103.97 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	59	Resp	78938
Ion Ratio	100	Lower	Upper
57	10.8	8.2	12.2

Manual Integrations
APPROVED

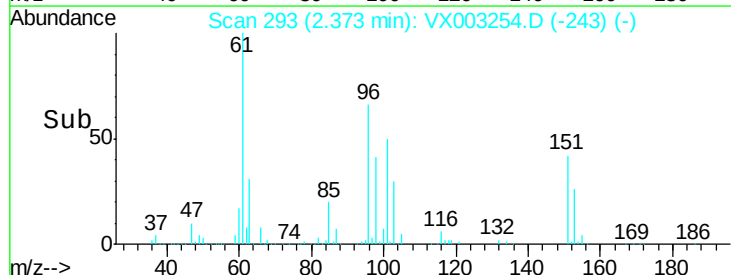
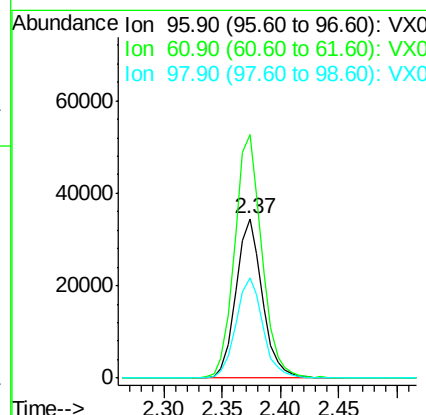
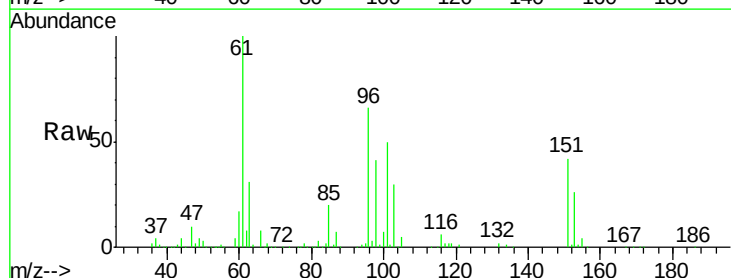
MMDadoda
7/10/2018 3:11:50 PM

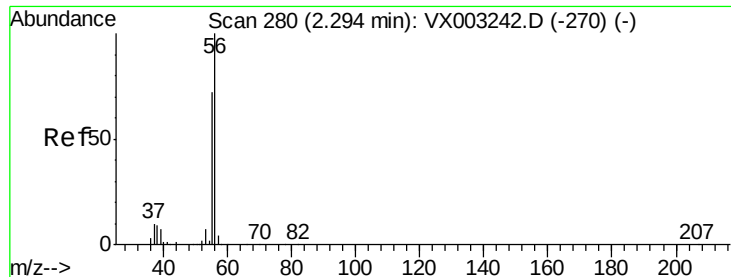


#12

1,1-Dichloroethene
Concen: 18.36 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	96	Resp	54908
Ion Ratio	100	Lower	Upper
61	152.5	137.9	206.9
98	63.0	51.6	77.4





#13

Acrolein

Concen: 85.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 56 Resp: 52548

Ion Ratio Lower Upper

56 100

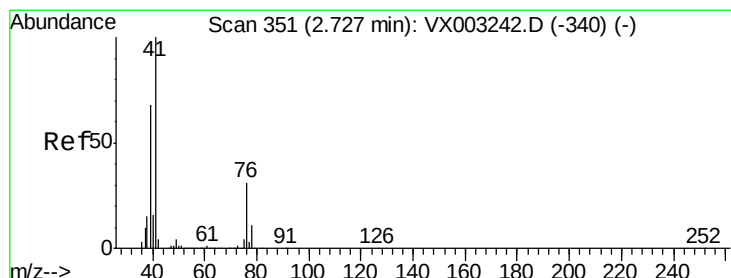
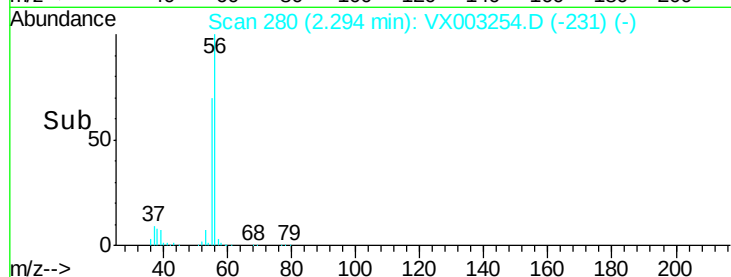
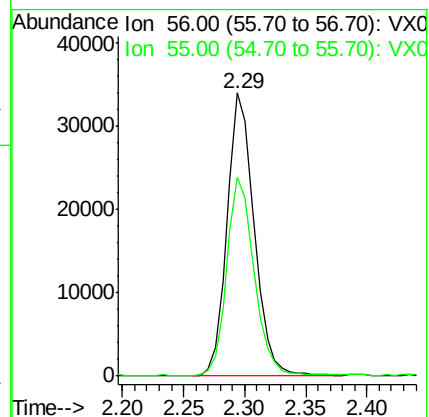
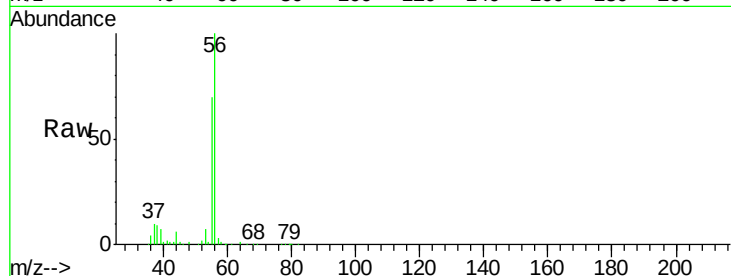
55 70.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#14

Allyl chloride

Concen: 18.50 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

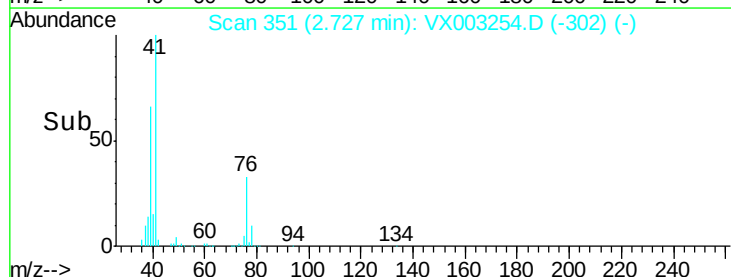
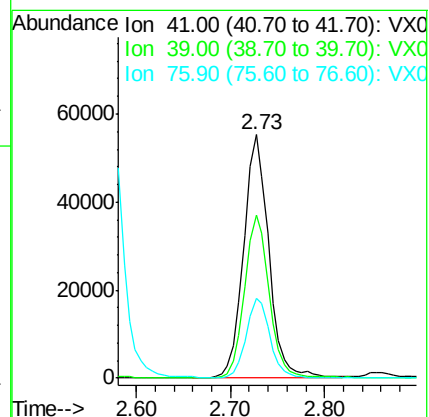
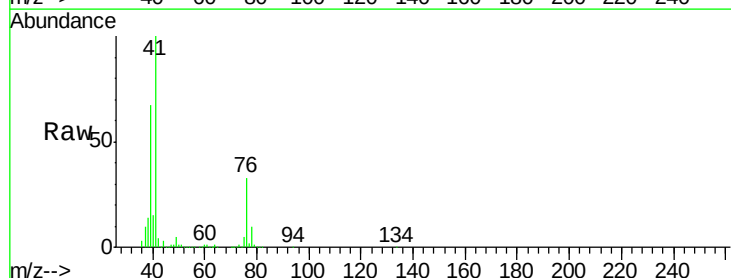
Tgt Ion: 41 Resp: 102494

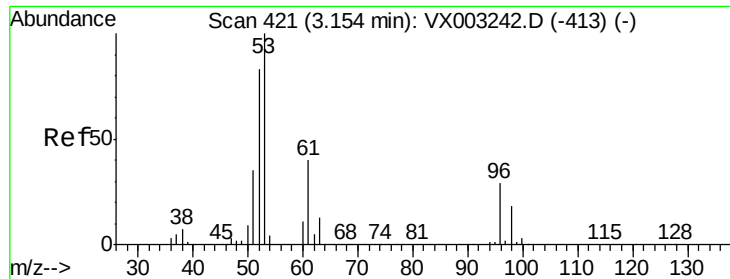
Ion Ratio Lower Upper

41 100

39 65.3 56.8 85.2

76 31.4 23.8 35.8





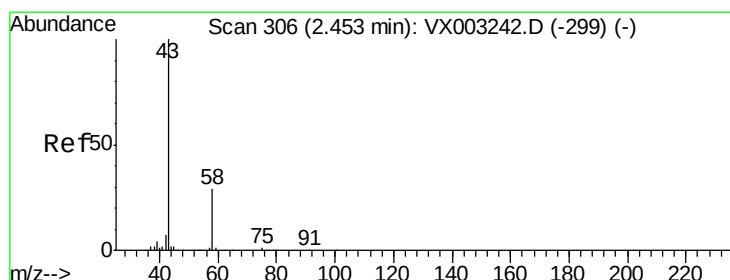
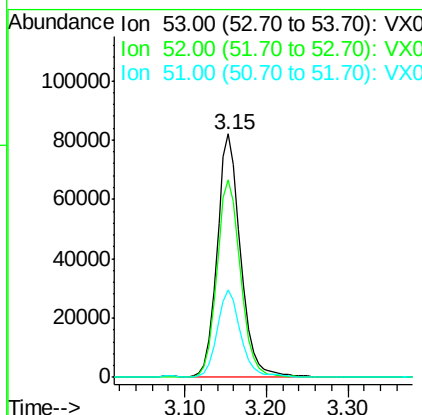
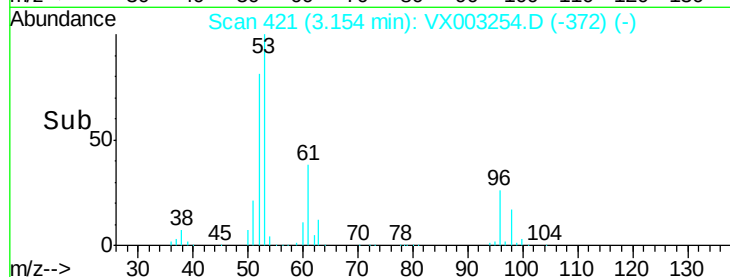
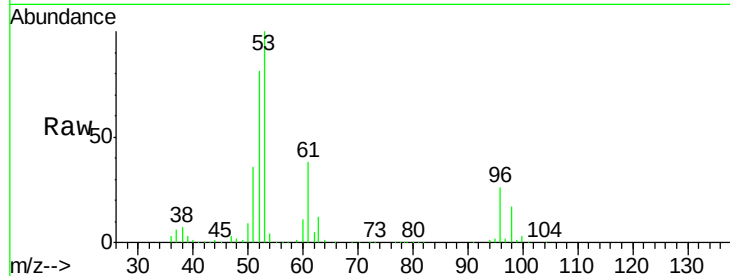
#15
 Acrylonitrile
 Concen: 96.42 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.7	100.1
51	36.5	29.9	44.9

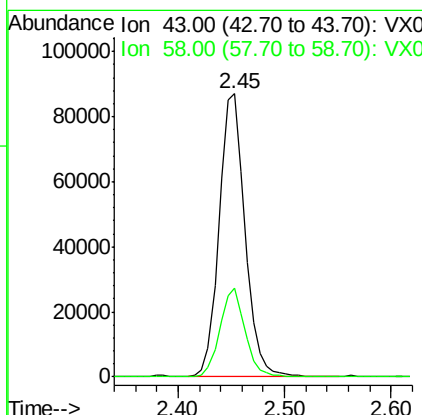
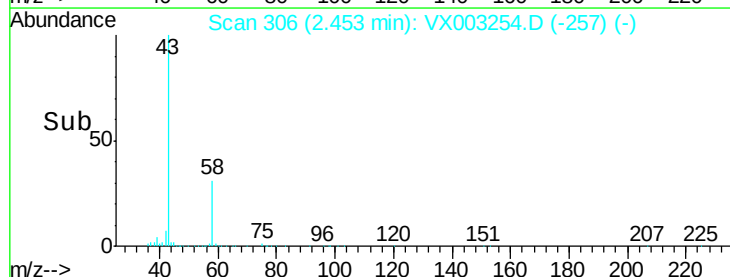
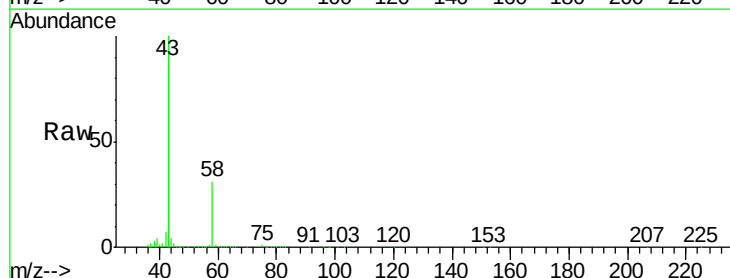
Manual Integrations
 APPROVED

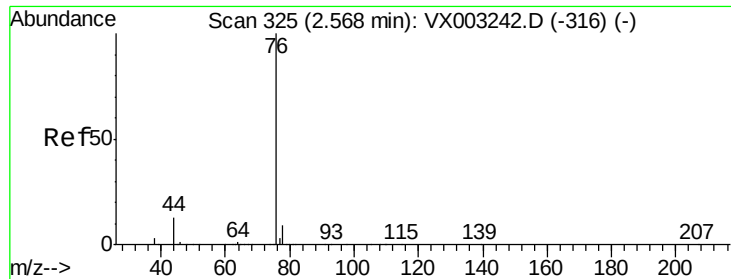
MMDadoda
 7/10/2018 3:11:50 PM



#16
 Acetone
 Concen: 98.89 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.1	33.1





#17

Carbon Disulfide

Concen: 18.06 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 76 Resp: 150112

Ion Ratio Lower Upper

76 100

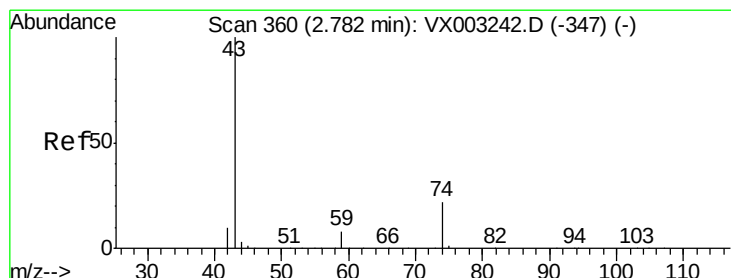
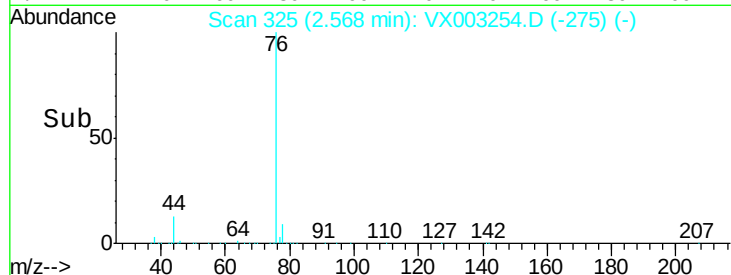
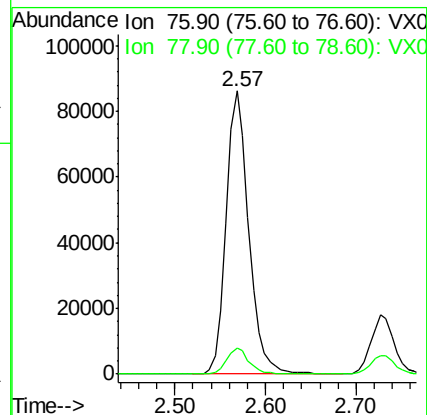
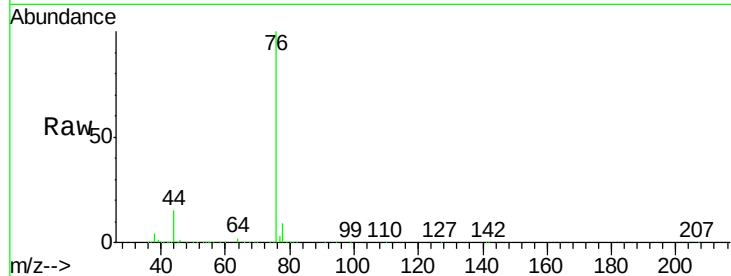
78 8.9 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#18

Methyl Acetate

Concen: 20.23 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003254.D

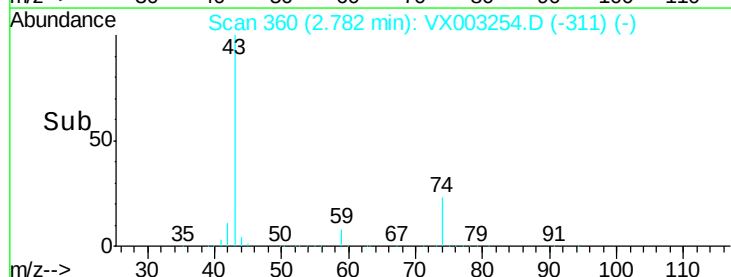
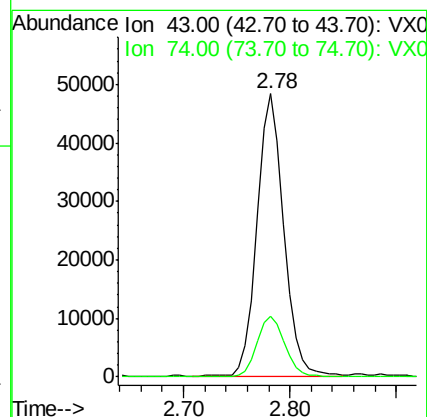
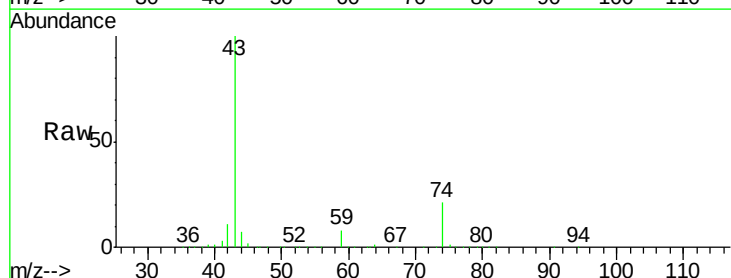
Acq: 09 Jul 2018 20:04

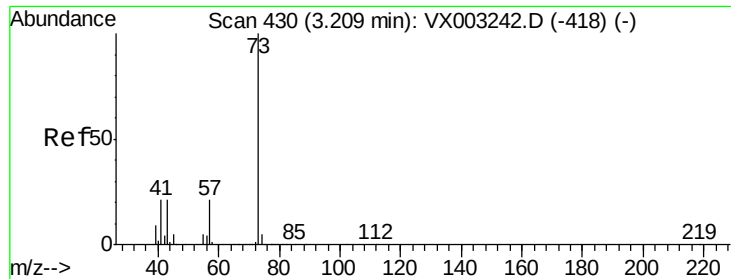
Tgt Ion: 43 Resp: 84832

Ion Ratio Lower Upper

43 100

74 22.7 16.7 25.1





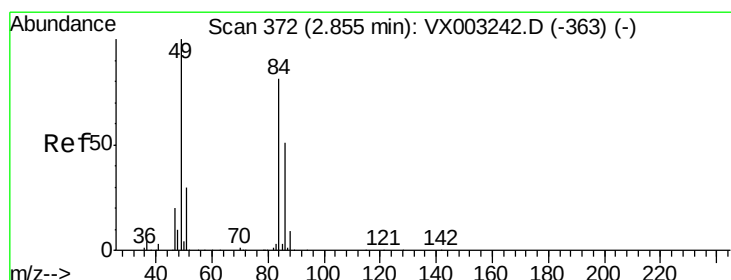
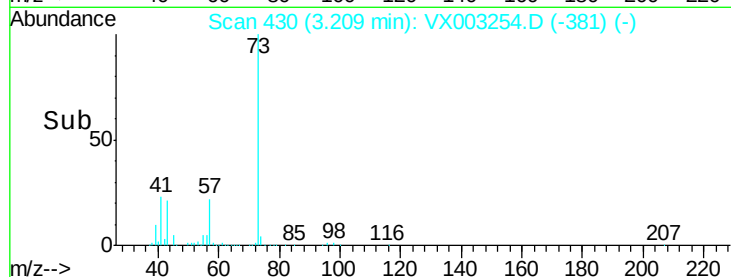
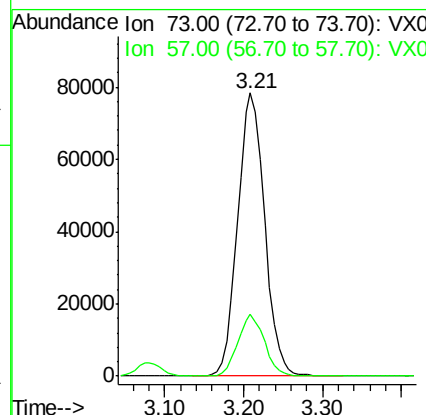
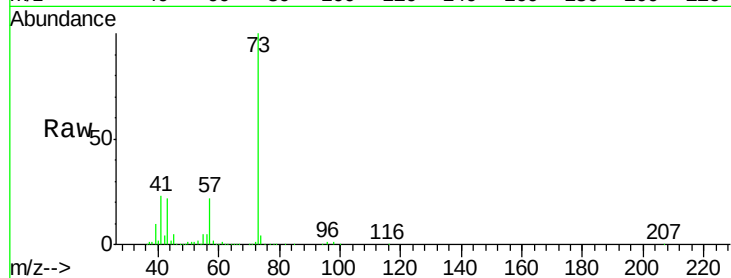
#19
Methyl tert-butyl Ether
Concen: 18.70 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	73	Resp	186823
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.7	26.5

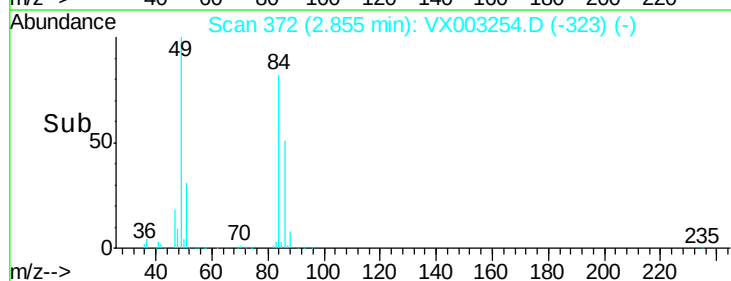
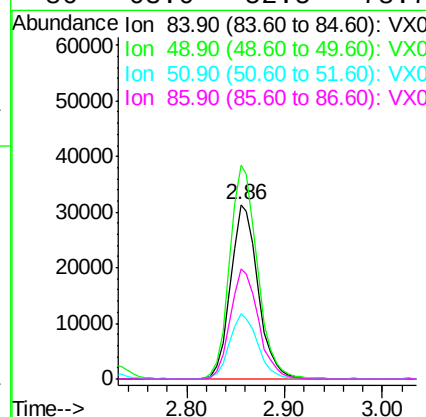
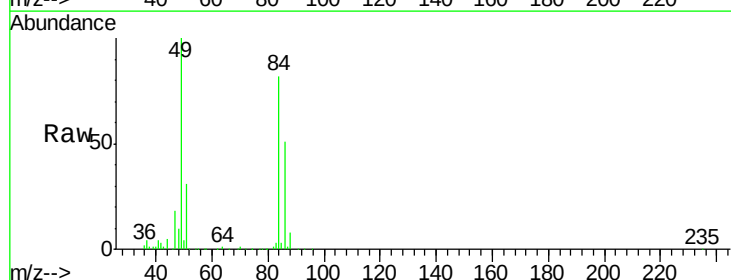
Manual Integrations
APPROVED

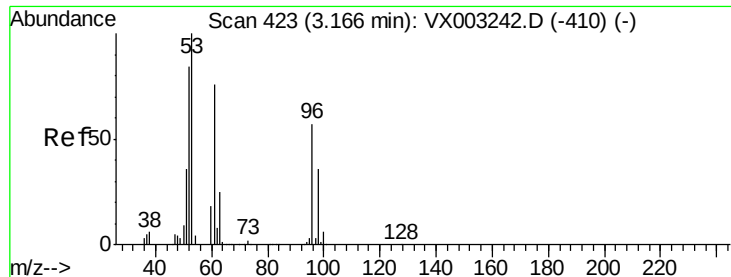
MMDadoda
7/10/2018 3:11:50 PM



#20
Methylene Chloride
Concen: 19.64 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	84	Resp	61134
Ion Ratio	100	Lower	Upper
84	100		
49	122.7	107.8	161.6
51	37.5	32.8	49.2
86	63.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.55 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

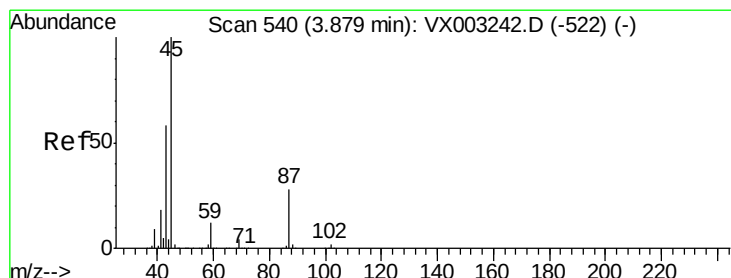
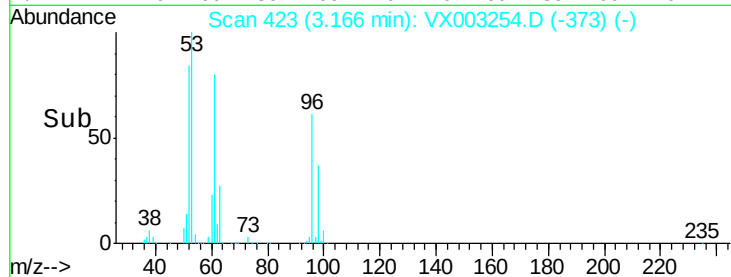
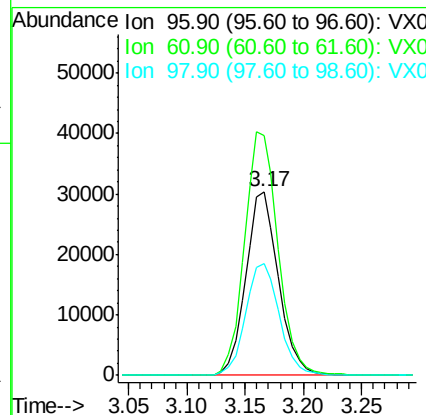
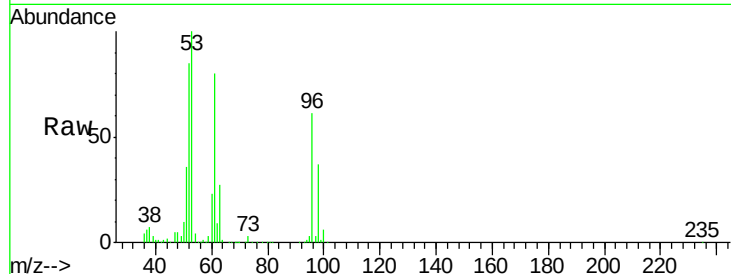
ClientSampleId :

VX0709WBS01

Tot Ion:	96	Resp:	59127
Ion	Ratio	Lower	Upper
96	100		
61	130.7	117.0	175.4
98	61.0	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#22

Diisopropyl ether

Concen: 16.98 ug/l

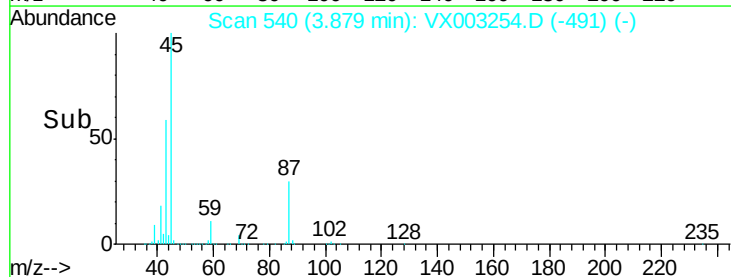
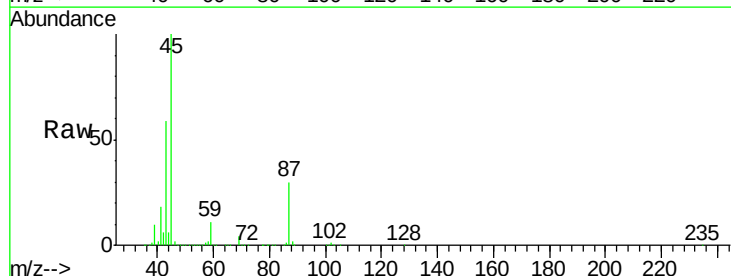
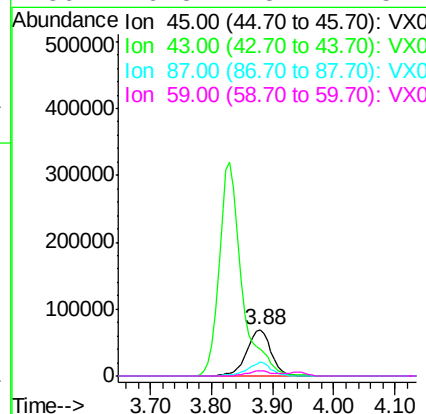
RT: 3.88 min Scan# 540

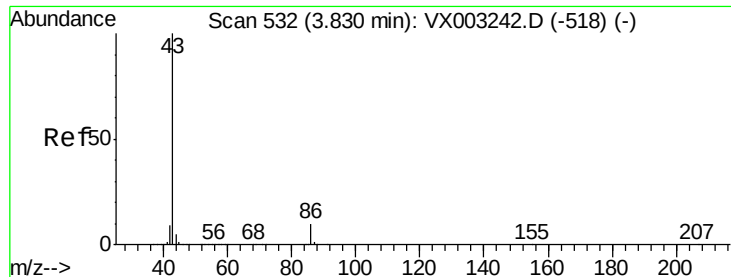
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	45	Resp:	191373
Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.8	70.2
87	30.4	20.2	30.4#
59	10.8	8.7	13.1





#23

Vinyl Acetate

Concen: 86.62 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 43 Resp: 828721

Ion Ratio Lower Upper

43 100

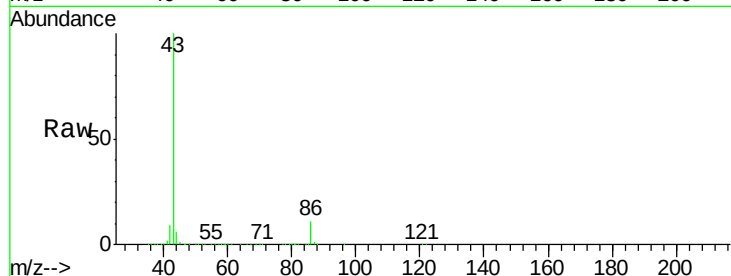
86 10.5 7.4 11.0

Manual Integrations

APPROVED

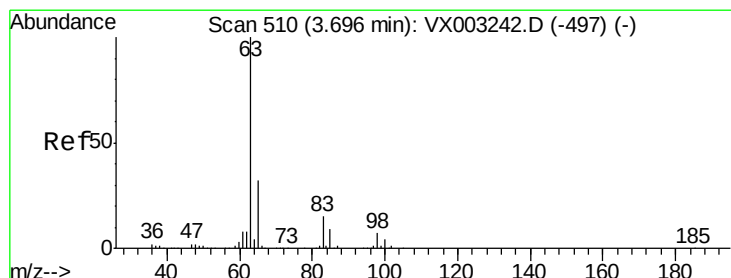
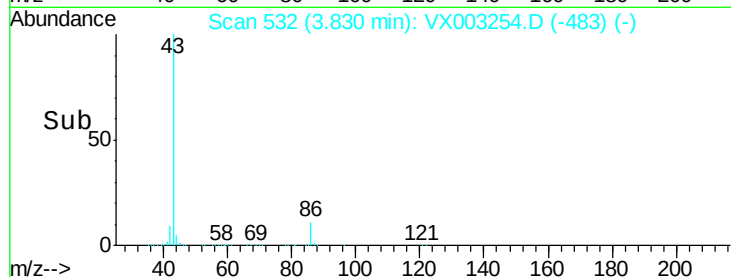
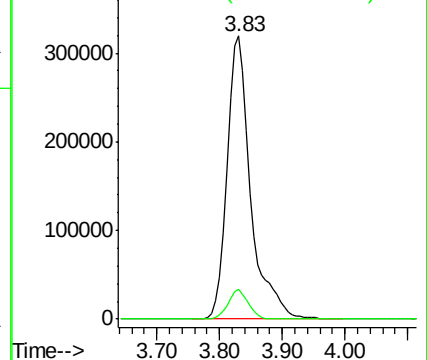
MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.58 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

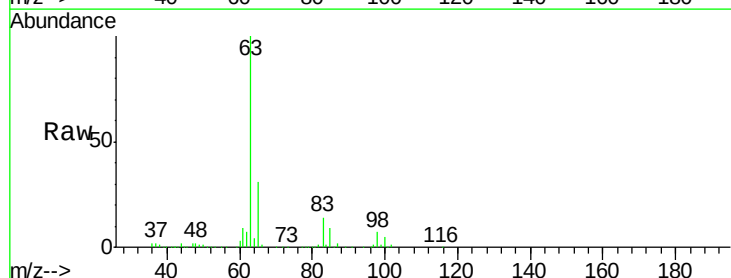
Tgt Ion: 63 Resp: 108992

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

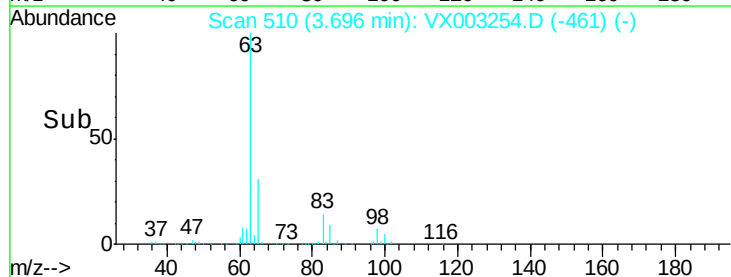
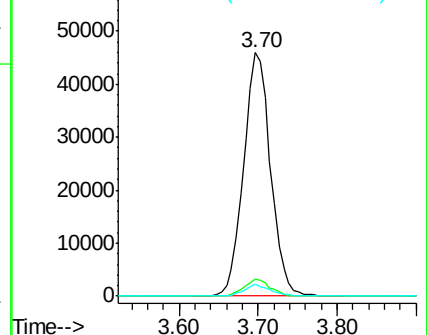
100 4.7 2.0 6.0

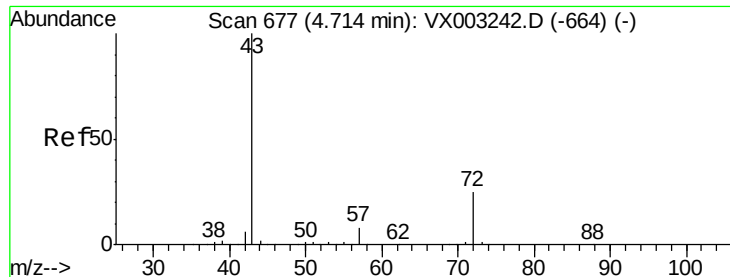


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

Tot Ion: 43 Resp: 261139

Ion Ratio Lower Upper

43 100

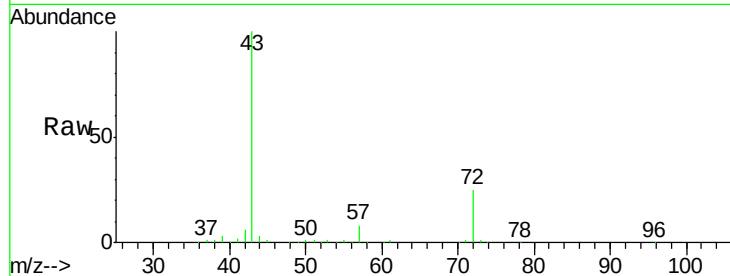
72 24.5 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

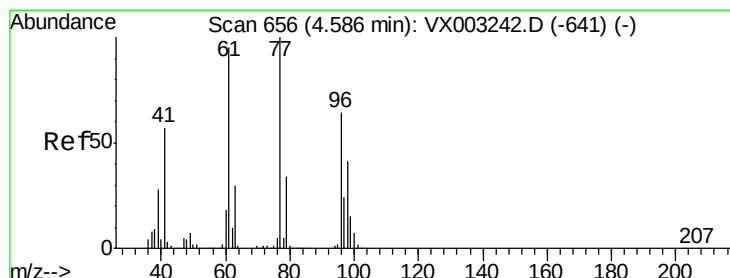
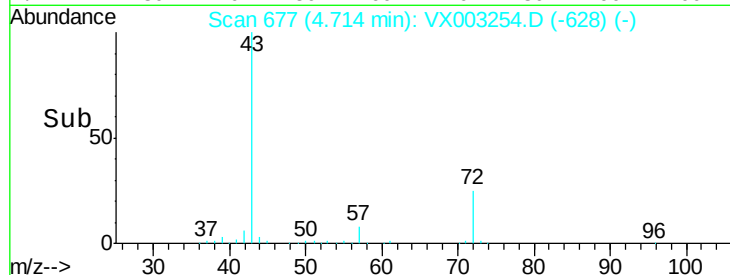
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.66 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003254.D

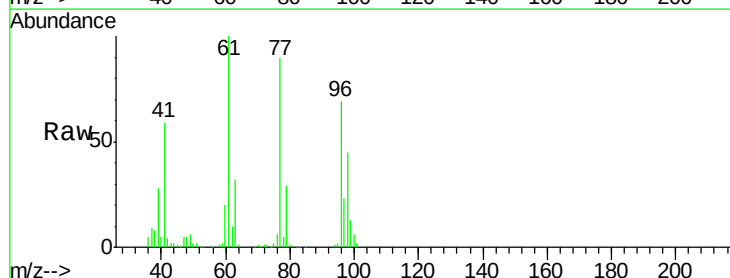
Acq: 09 Jul 2018 20:04

Tgt Ion: 77 Resp: 80333

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

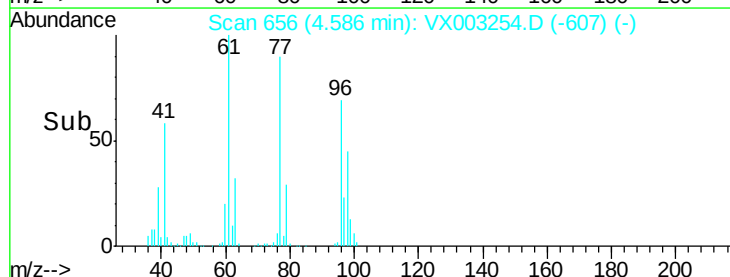
10000

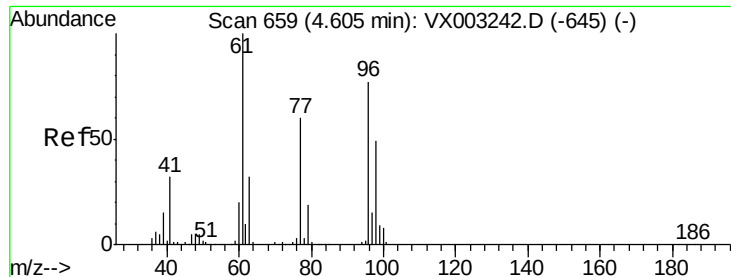
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

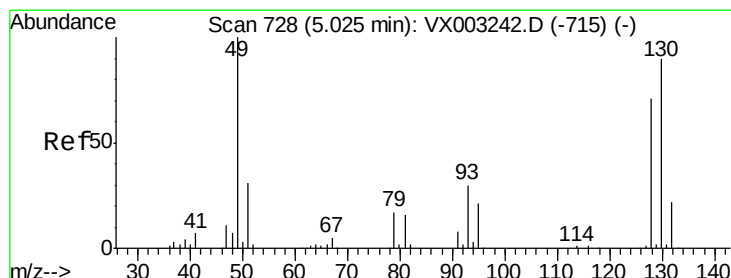
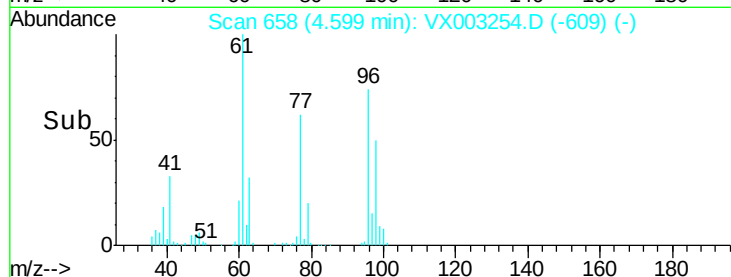
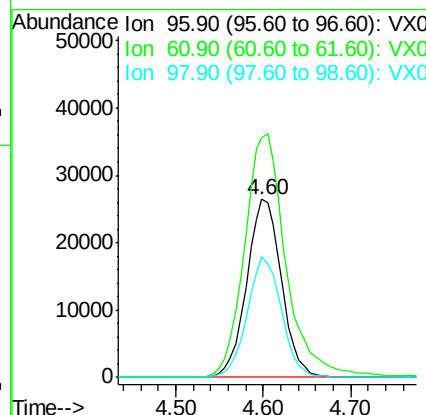
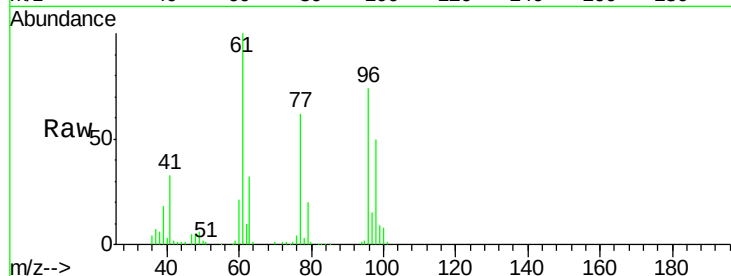
cis-1,2-Dichloroethene
 Concen: 18.60 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	330.2
98	66.5	0.0	130.2

Manual Integrations
 APPROVED

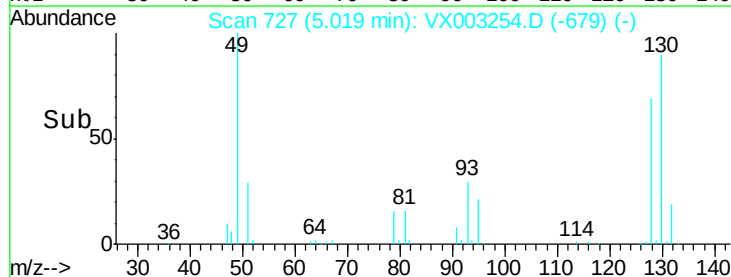
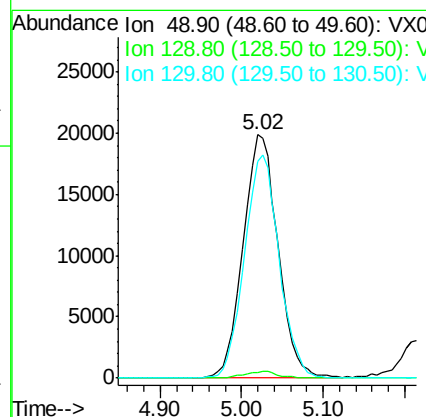
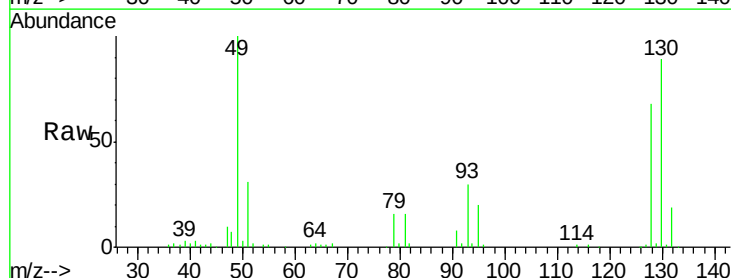
MMDadoda
 7/10/2018 3:11:50 PM

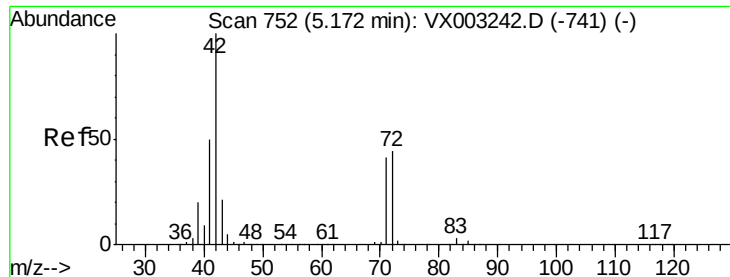


#28

Bromochloromethane
 Concen: 19.98 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.2
130	91.0	61.2	91.8





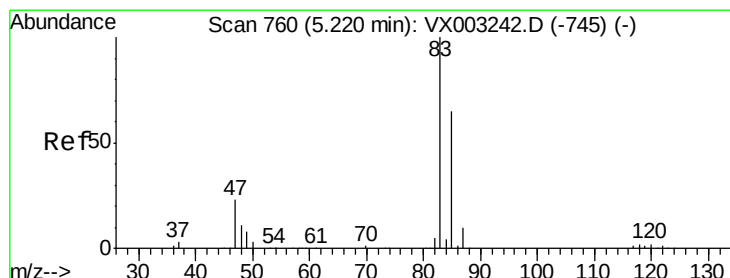
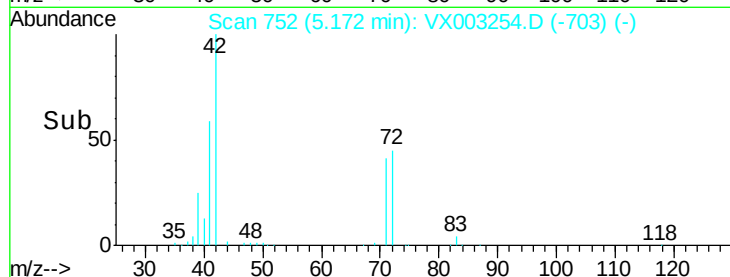
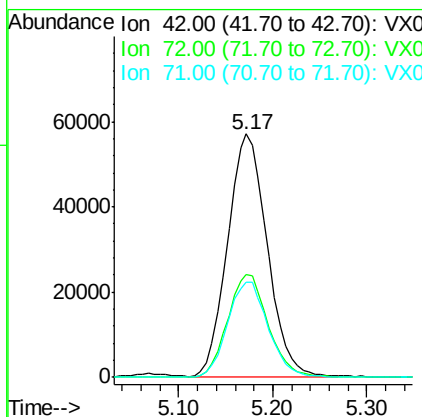
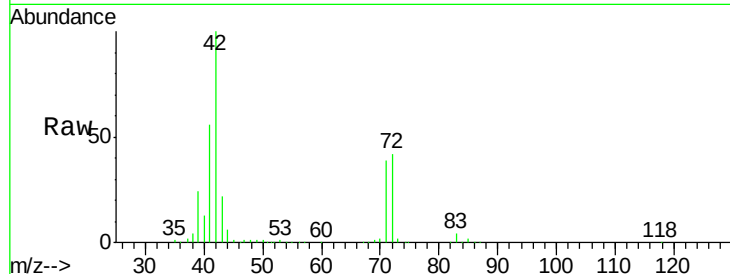
#29
Tetrahydrofuran
Concen: 97.86 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	32.0	48.0
71	40.4	30.1	45.1

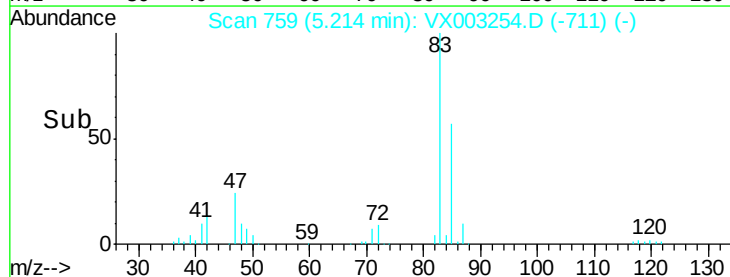
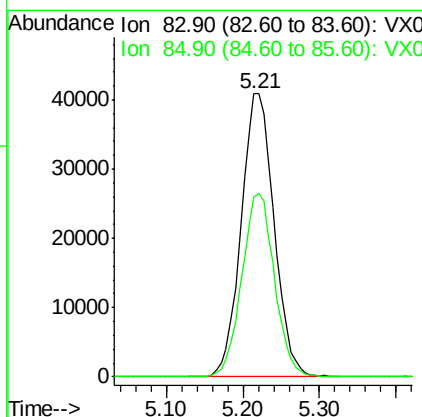
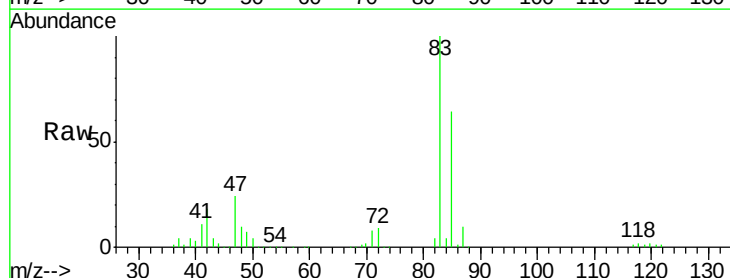
Manual Integrations
APPROVED

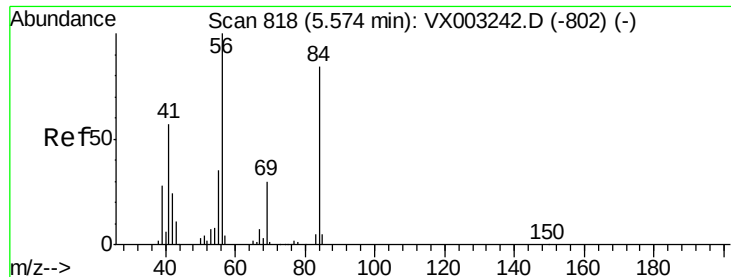
MMDadoda
7/10/2018 3:11:50 PM



#30
Chloroform
Concen: 18.93 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.4	75.6





#31

Cyclohexane

Concen: 18.84 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

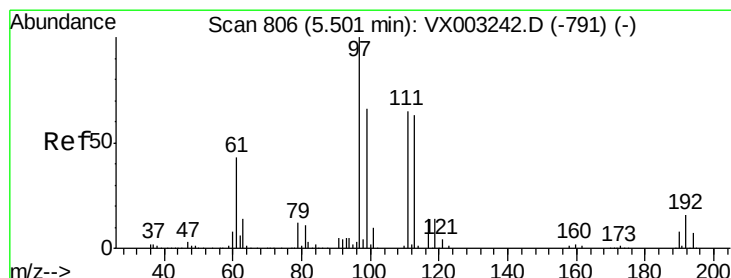
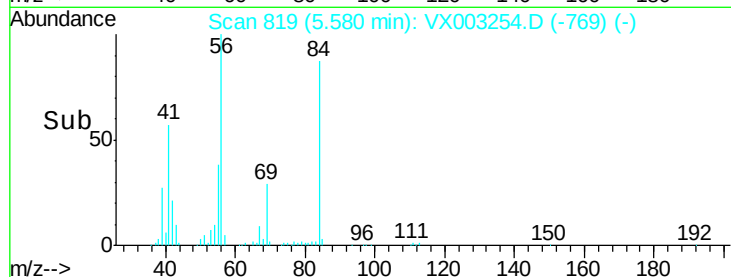
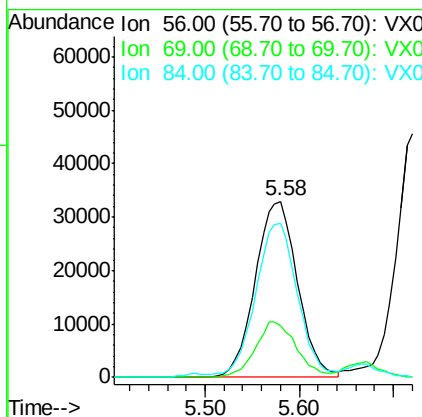
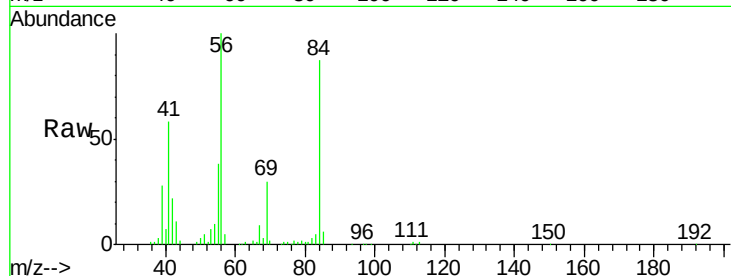
ClientSampleId :

VX0709WBS01

Tot Ion:	56	Resp:	103478
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	85.8	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#32

1,1,1-Trichloroethane

Concen: 19.08 ug/l

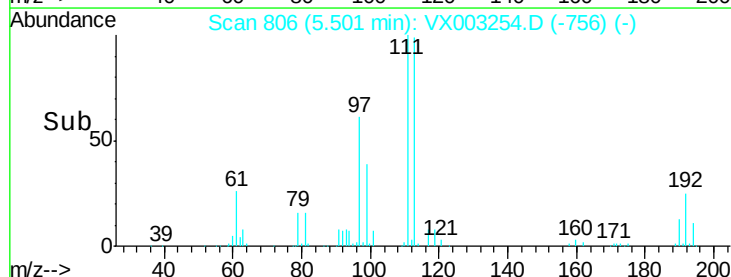
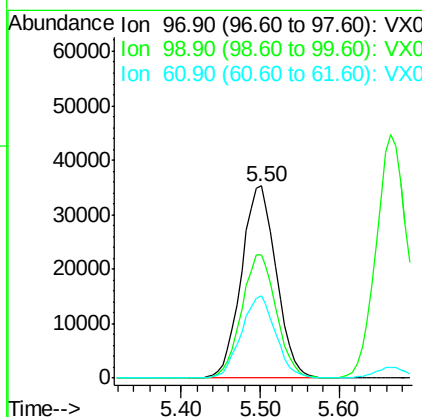
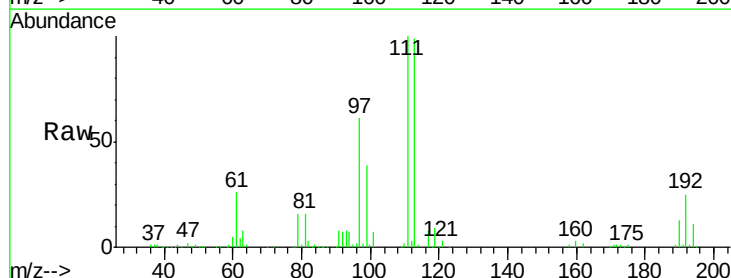
RT: 5.50 min Scan# 806

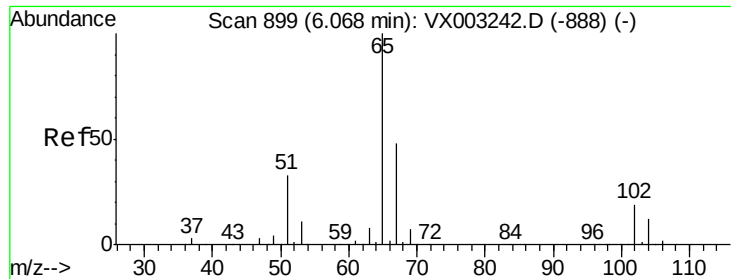
Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	97	Resp:	108573
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	42.4	36.4	54.6





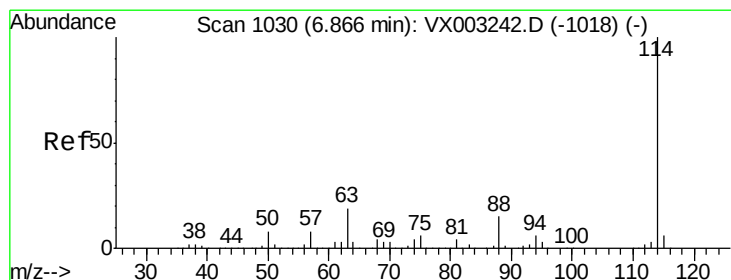
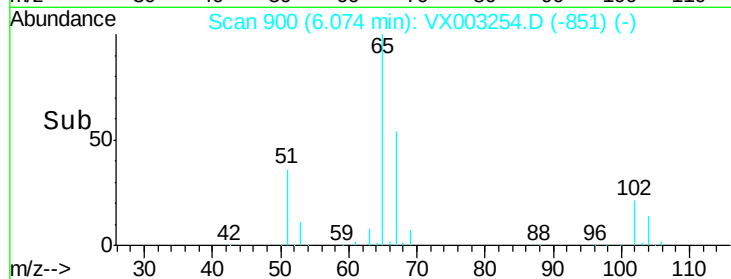
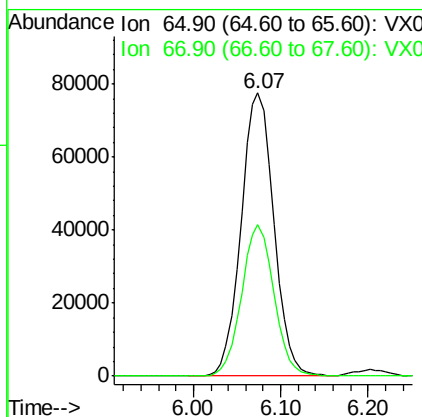
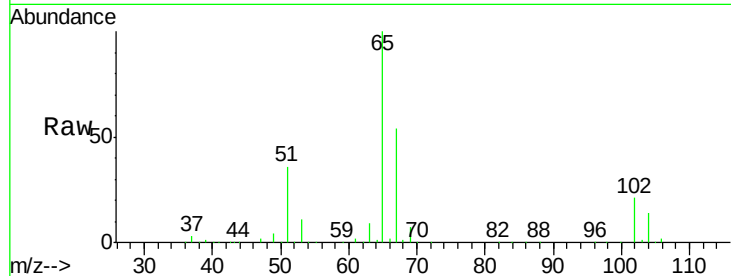
#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.6

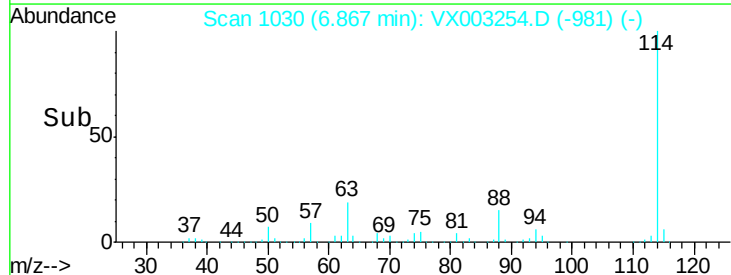
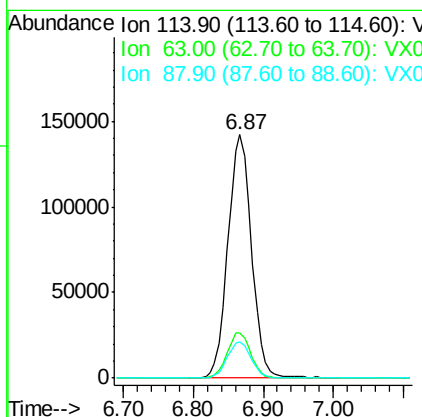
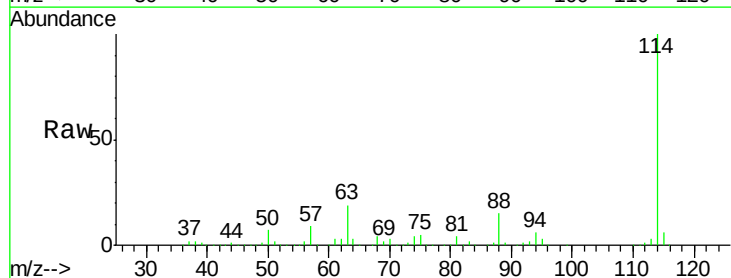
Manual Integrations
 APPROVED

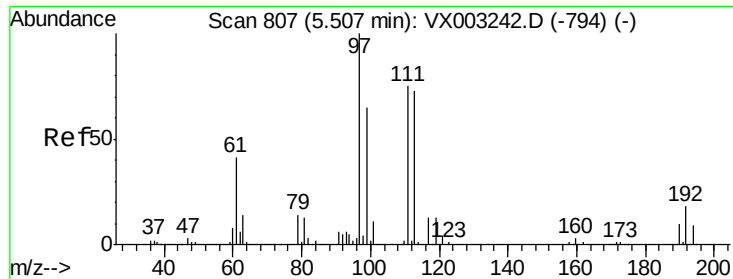
MMDadoda
 7/10/2018 3:11:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	41.4
88	14.9	0.0	30.0





#35

Dibromofluoromethane

Concen: 48.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

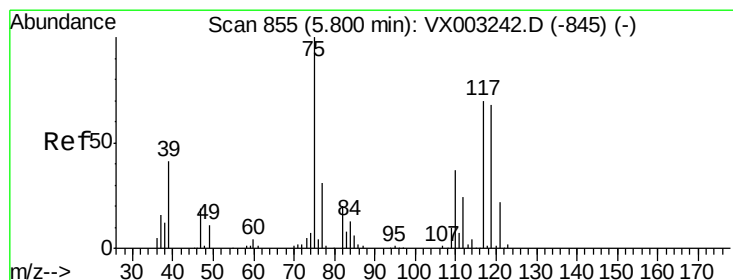
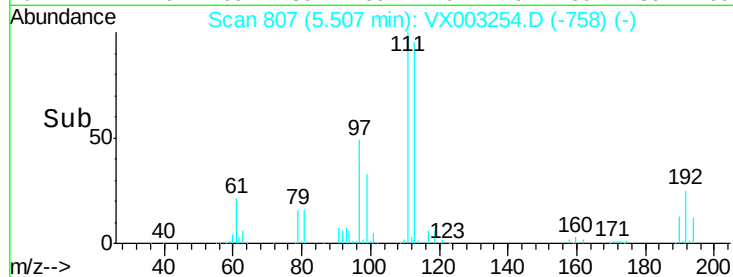
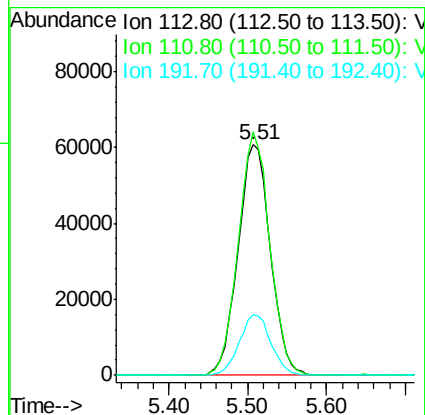
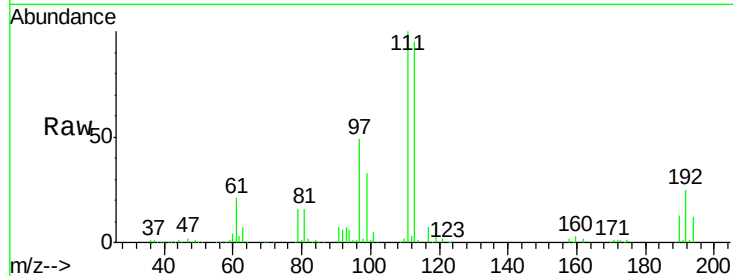
ClientSampleId :

VX0709WBS01

Tot Ion:	113	Resp:	173202
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	25.8	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#36

1,1-Dichloropropene

Concen: 18.90 ug/l

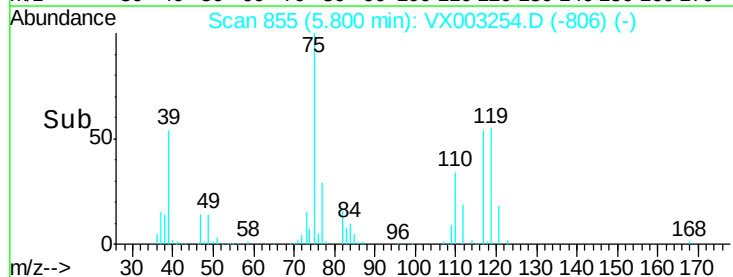
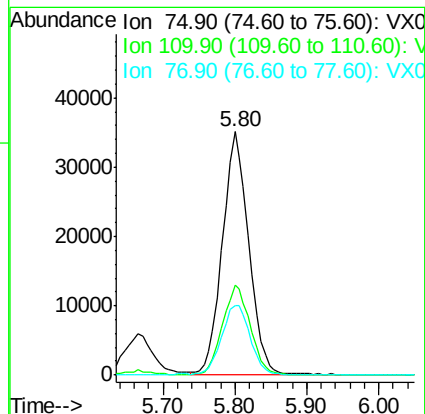
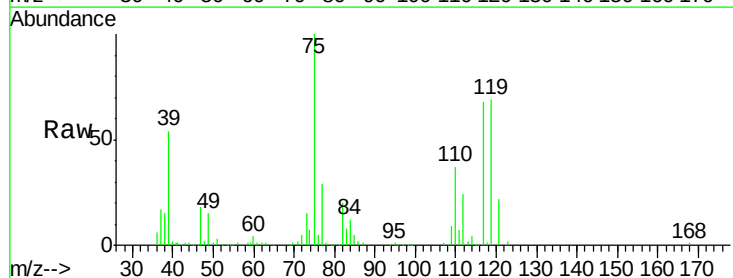
RT: 5.80 min Scan# 855

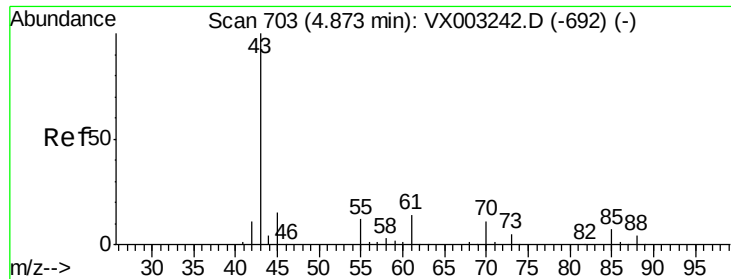
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	75	Resp:	89112
Ion	Ratio	Lower	Upper
75	100		
110	39.0	18.1	54.4
77	30.8	24.3	36.5





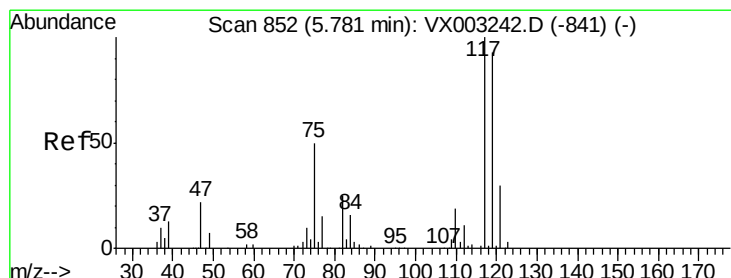
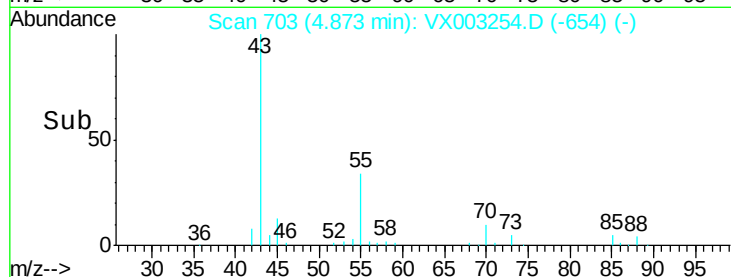
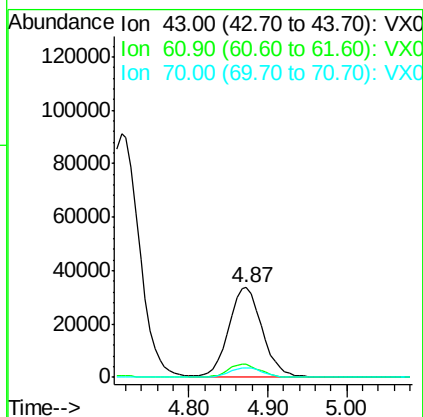
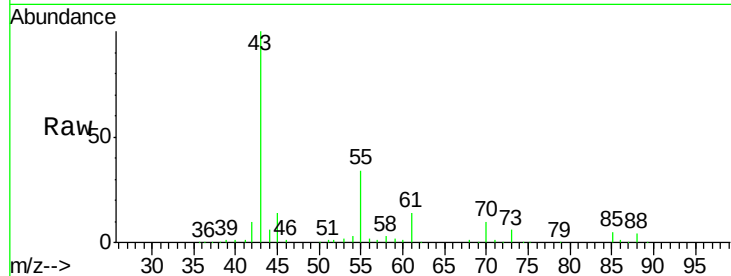
#37
Ethyl Acetate
Concen: 19.15 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.9	7.6	11.4

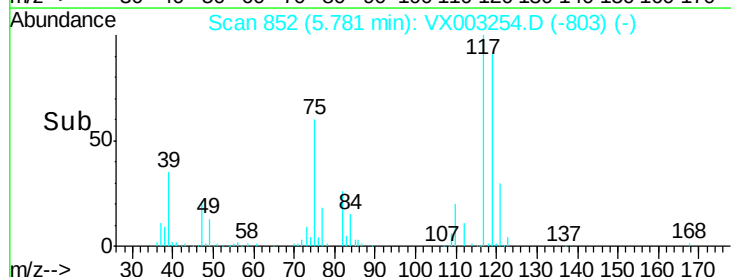
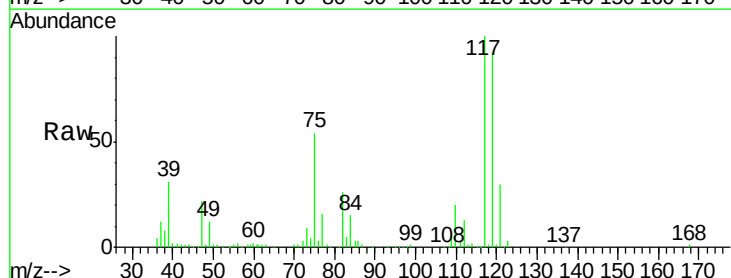
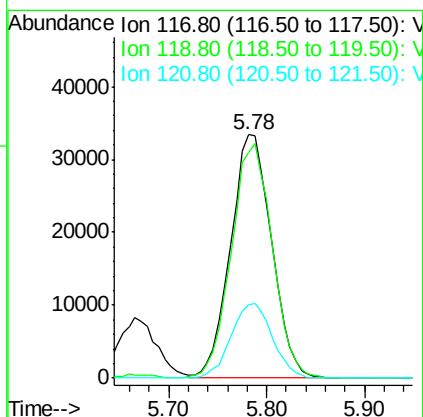
Manual Integrations
APPROVED

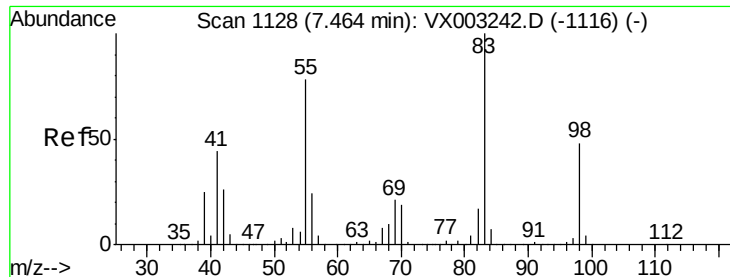
MMDadoda
7/10/2018 3:11:50 PM



#38
Carbon Tetrachloride
Concen: 18.94 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.4	116.0
121	30.1	24.4	36.6





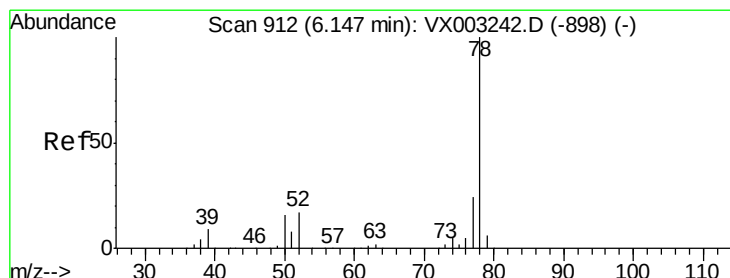
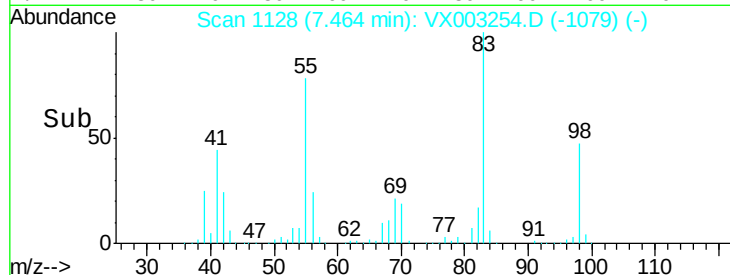
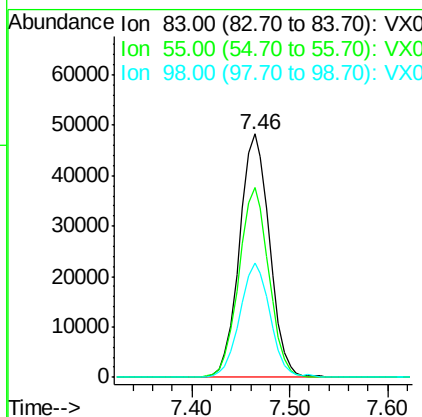
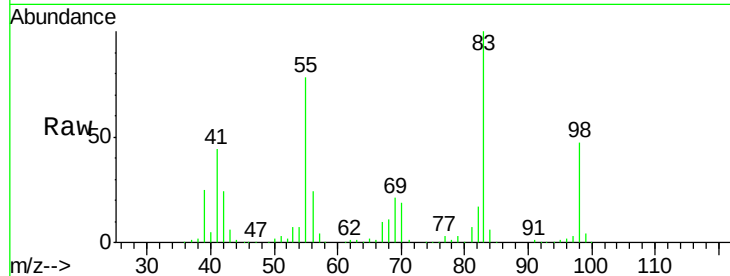
#39
Methylvlcyclohexane
Concen: 18.55 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	83	Resp	103011
Ion Ratio	Lower	Upper	
83	100		
55	77.8	65.4	98.0
98	46.9	37.4	56.0

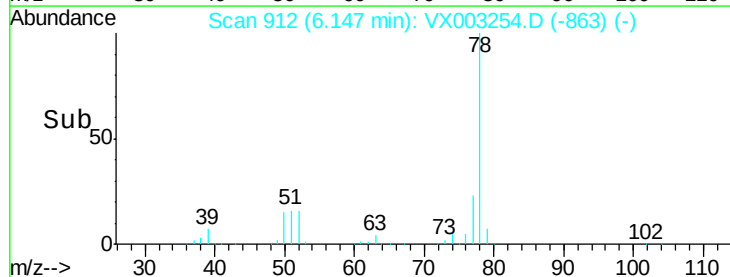
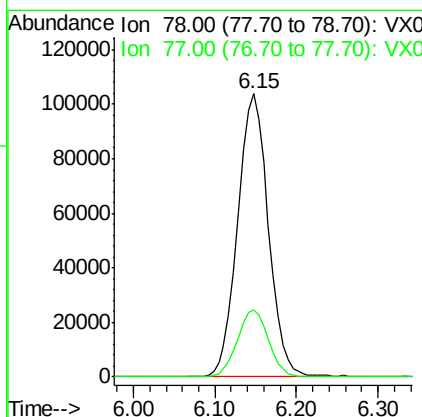
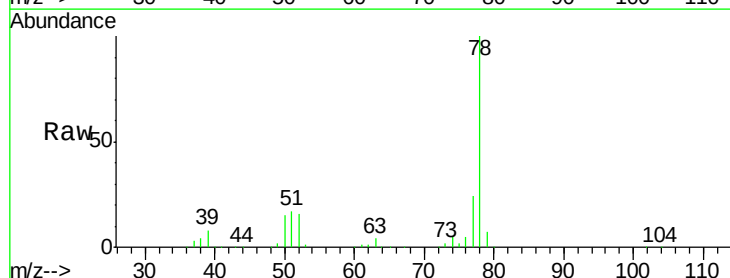
Manual Integrations
APPROVED

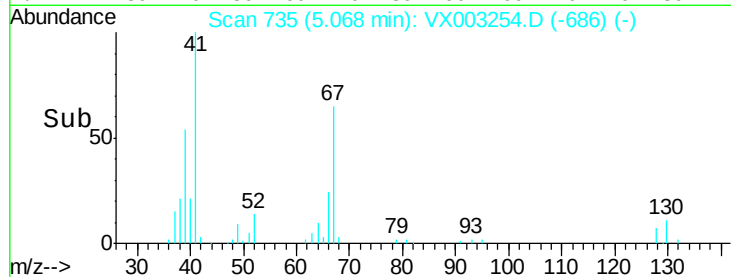
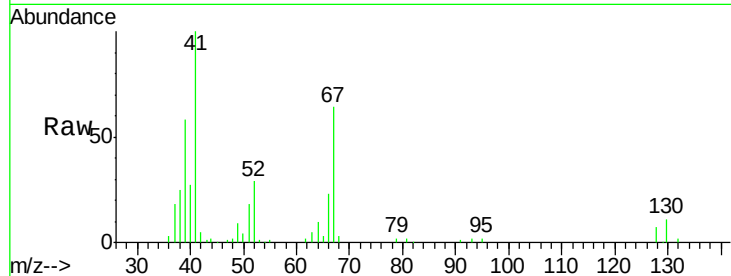
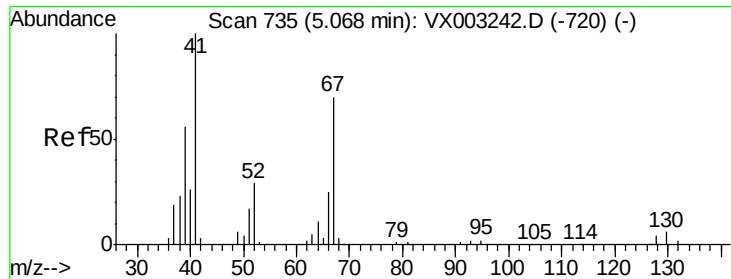
MMDadoda
7/10/2018 3:11:50 PM



#40
Benzene
Concen: 19.42 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	78	Resp	271321
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.1	28.7





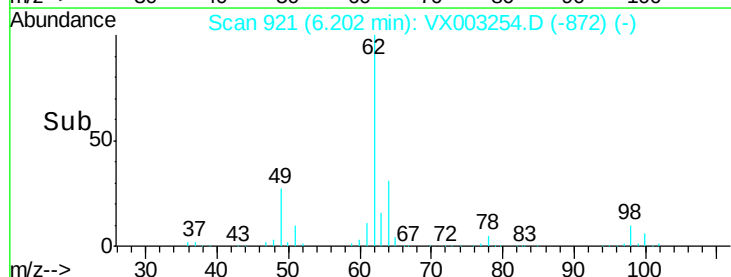
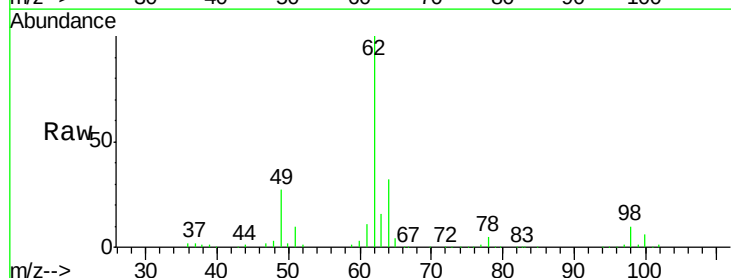
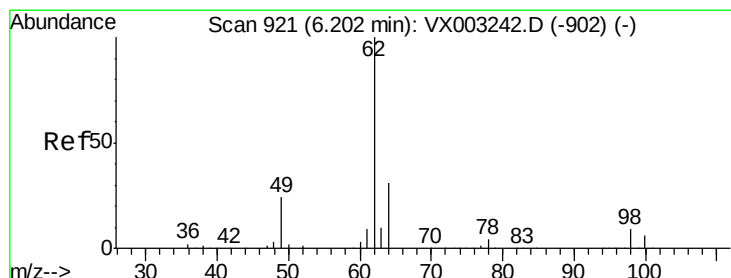
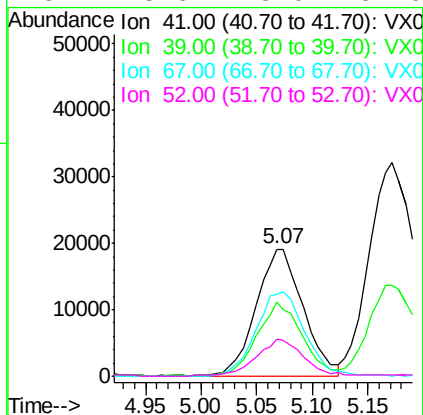
#41
Methacrylonitrile
Concen: 19.70 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tot Ion	Ion	Ratio	Lower	Upper
55733	41	100		
	39	55.5	45.8	68.6
	67	69.7	51.3	76.9
	52	28.6	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

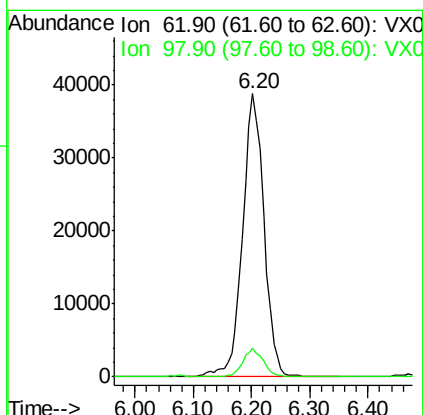
Manual Integrations
APPROVED

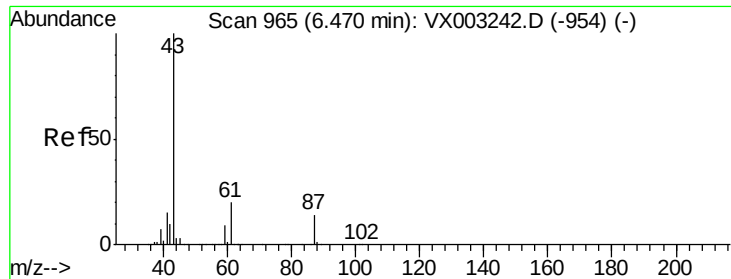
MMDadoda
7/10/2018 3:11:50 PM



#42
1,2-Dichloroethane
Concen: 18.95 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ion	Ratio	Lower	Upper
98931	62	100		
	98	9.5	0.0	16.6





#43

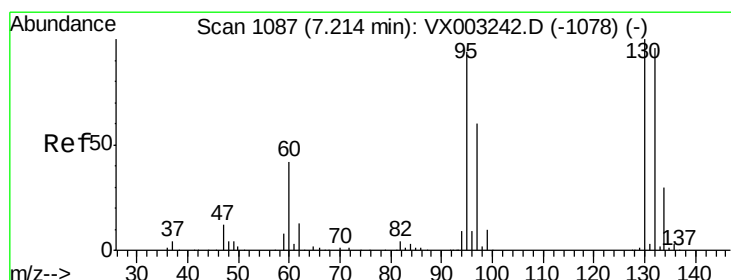
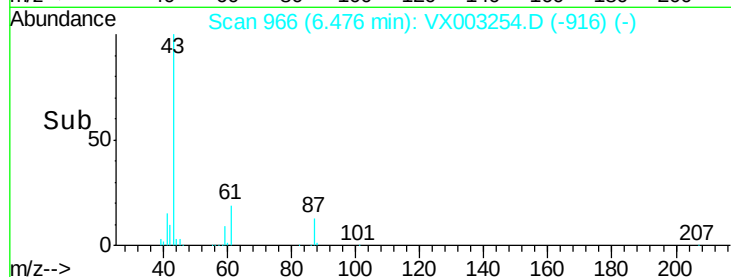
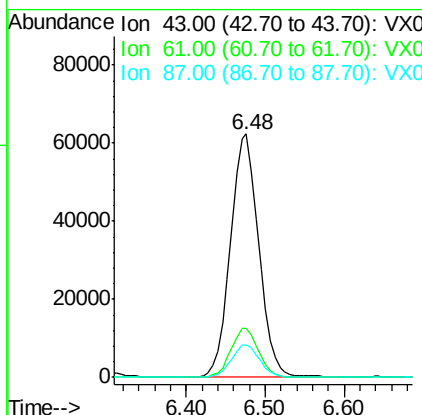
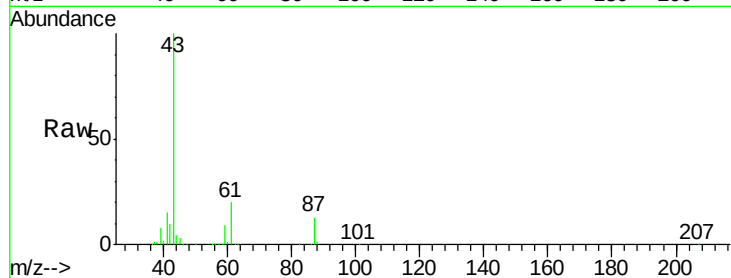
Isopropyl Acetate
 Concen: 19.10 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.4	21.6
87	13.4	9.5	14.3

Manual Integrations
 APPROVED

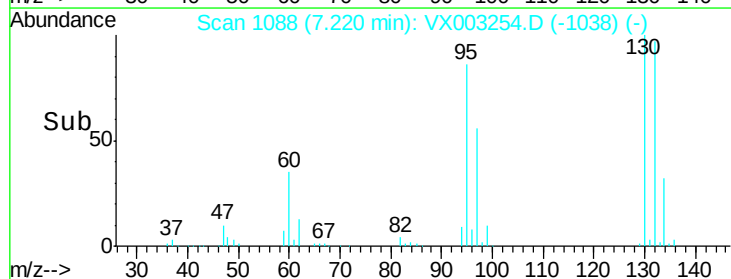
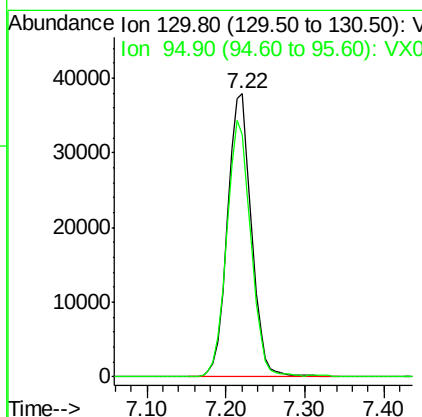
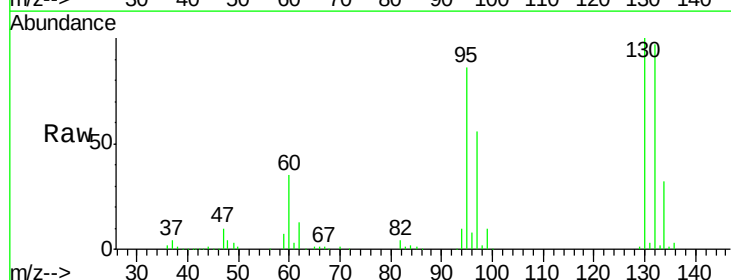
MMDadoda
 7/10/2018 3:11:50 PM

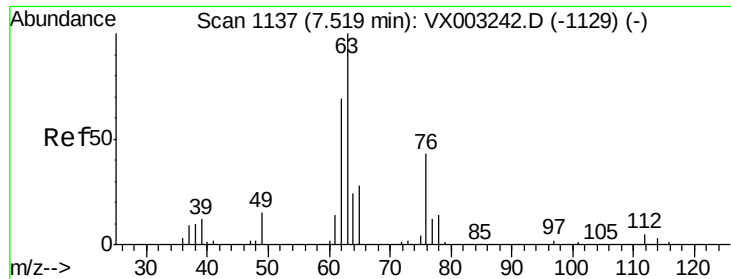


#44

Trichloroethene
 Concen: 19.47 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	185.4





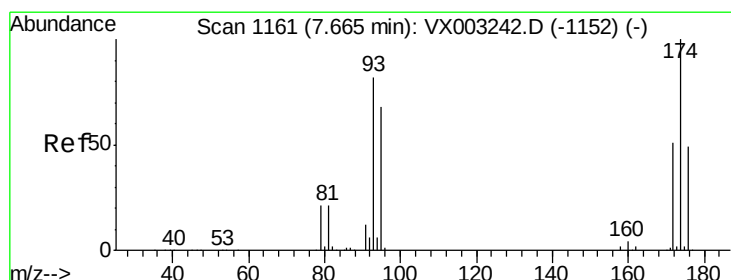
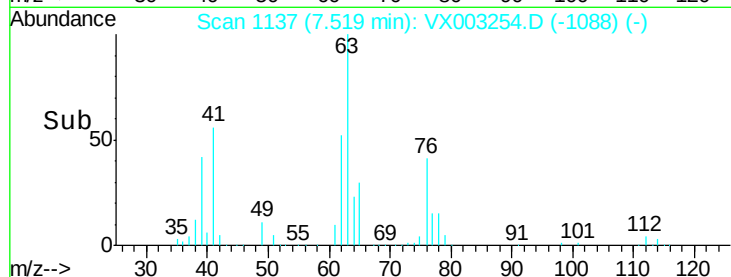
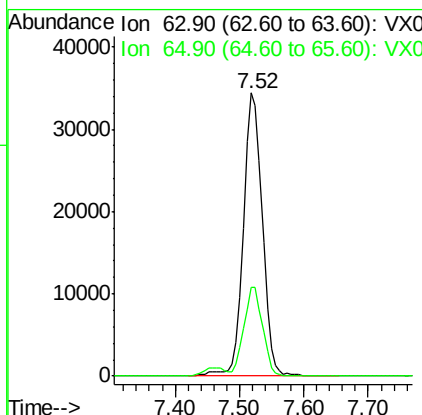
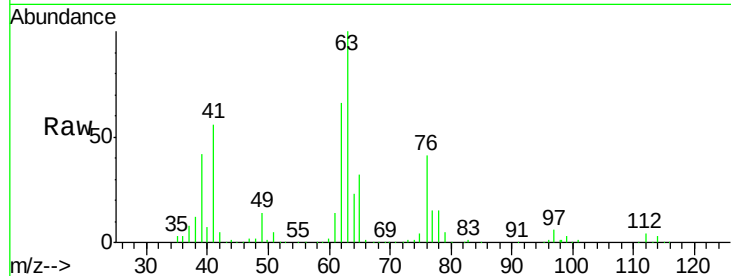
#45
1,2-Dichloropropane
Concen: 19.17 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 63 Resp: 69646
Ion Ratio Lower Upper
63 100
65 31.5 24.7 37.1

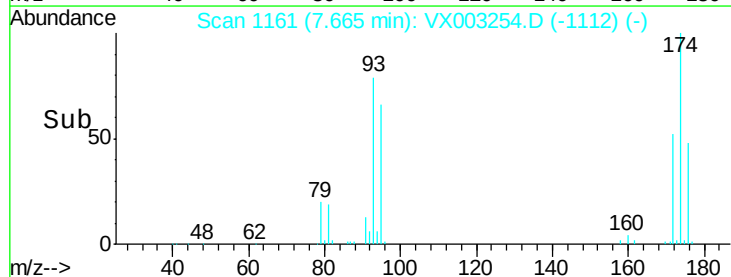
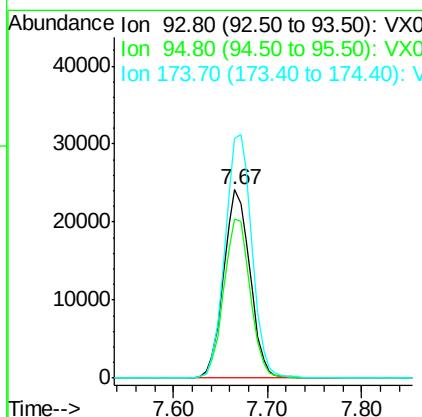
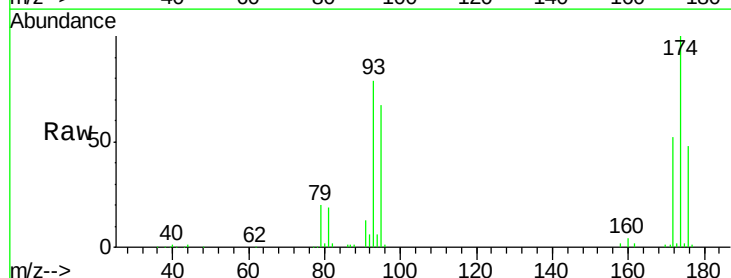
Manual Integrations
APPROVED

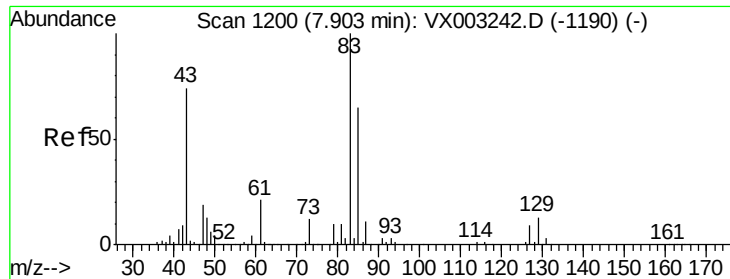
MMDadoda
7/10/2018 3:11:50 PM



#46
Dibromomethane
Concen: 18.99 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 93 Resp: 47026
Ion Ratio Lower Upper
93 100
95 84.9 65.9 98.9
174 131.0 92.4 138.6





#47

Bromodichloromethane

Concen: 18.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

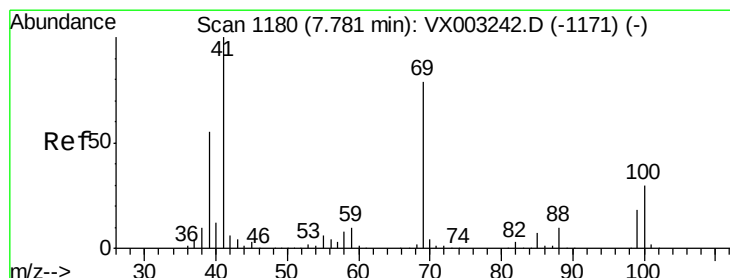
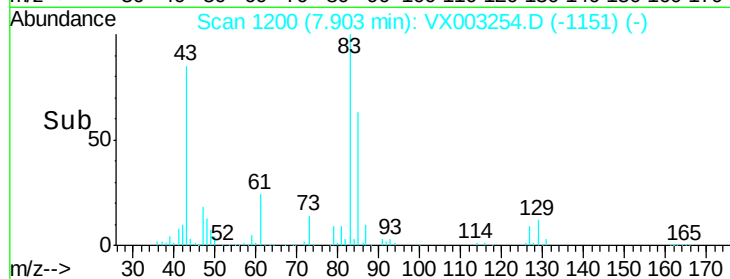
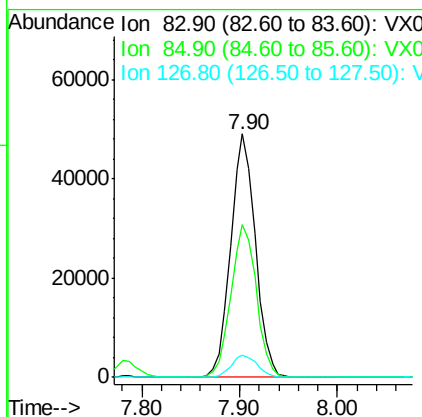
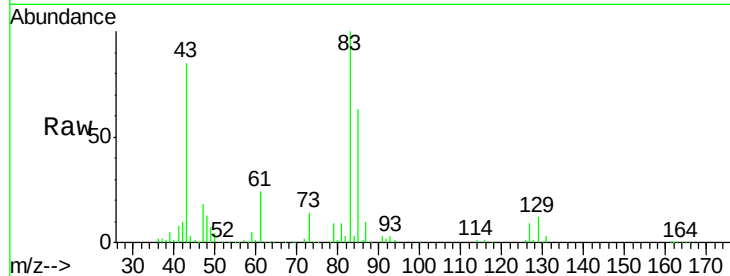
ClientSampleId :

VX0709WBS01

Tot Ion:	83	Resp:	86164
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#48

Methyl methacrylate

Concen: 18.95 ug/l

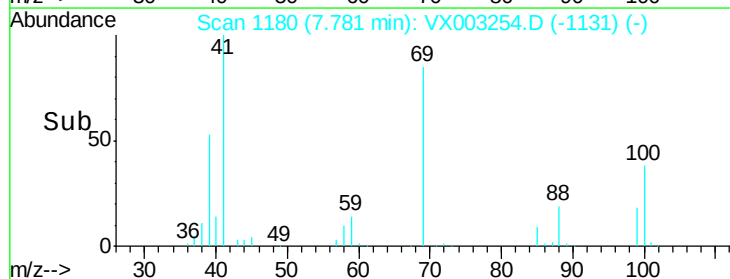
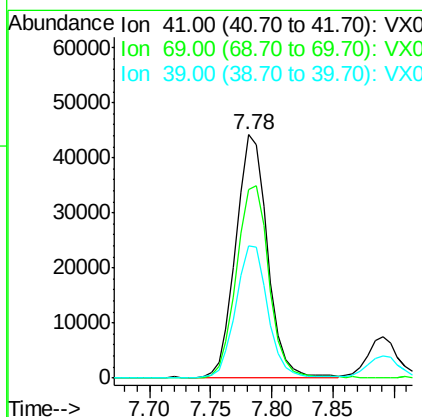
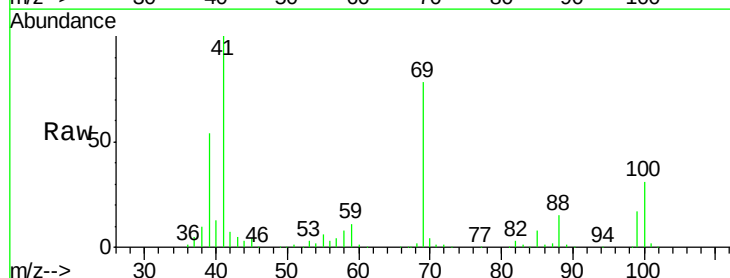
RT: 7.78 min Scan# 1180

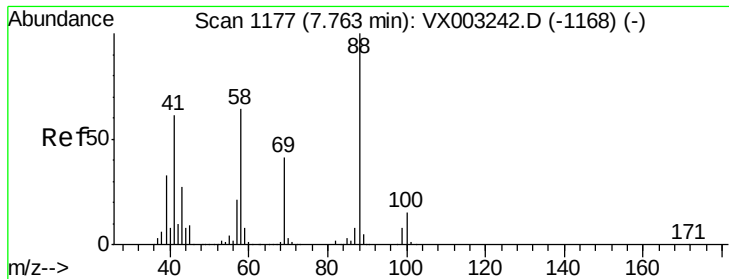
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	41	Resp:	78906
Ion	Ratio	Lower	Upper
41	100		
69	82.2	59.1	88.7
39	55.0	48.9	73.3





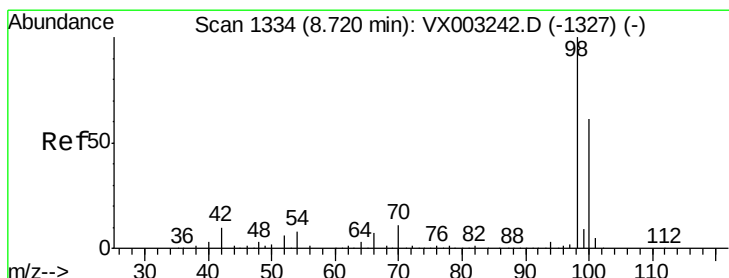
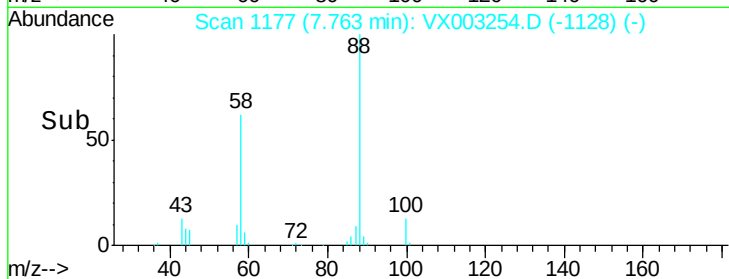
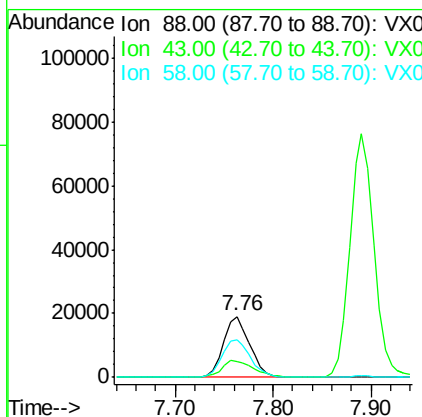
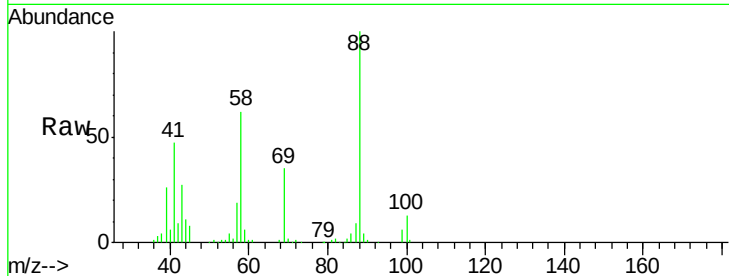
#49
 1,4-Dioxane
 Concen: 409.60 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	29.8	44.6
58	68.2	57.1	85.7

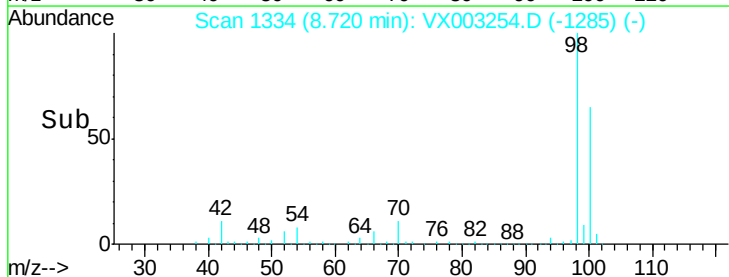
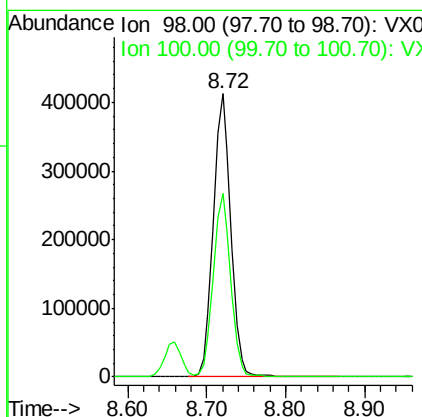
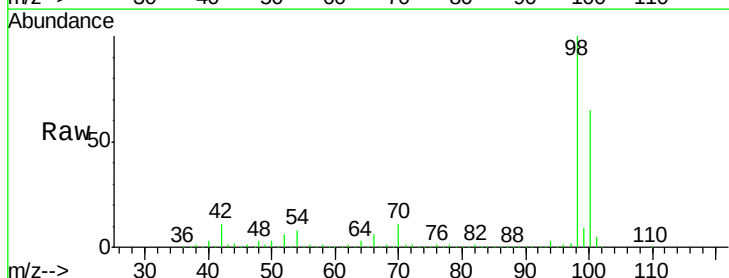
Manual Integrations
 APPROVED

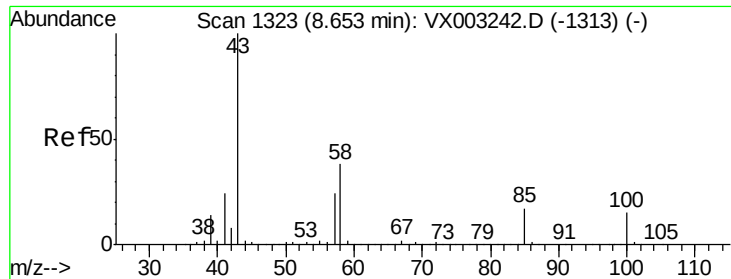
MMDadoda
 7/10/2018 3:11:50 PM



#50
 Toluene-d8
 Concen: 50.25 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 100.47 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 43 Resp: 507683

Ion Ratio Lower Upper

43 100

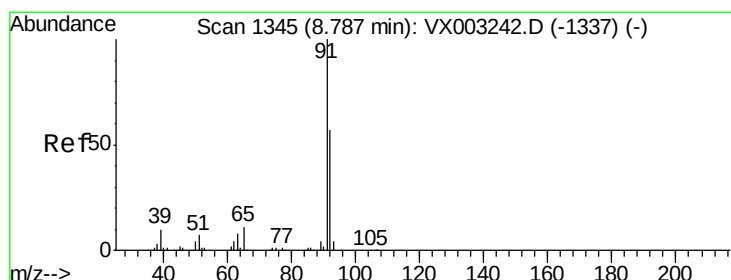
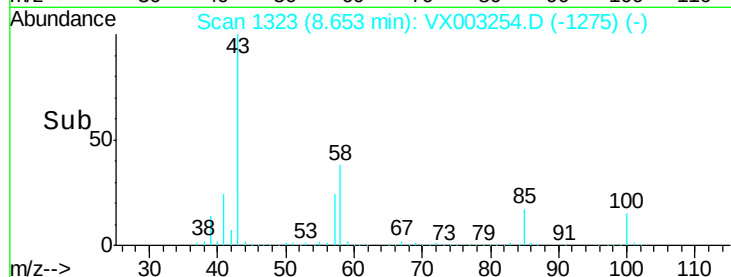
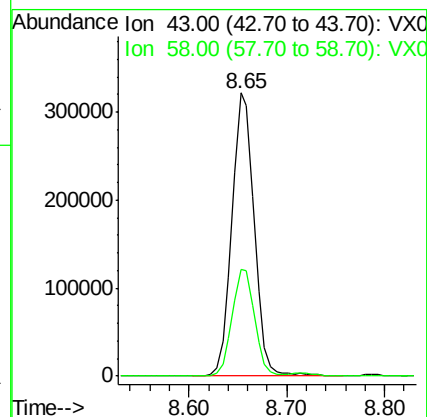
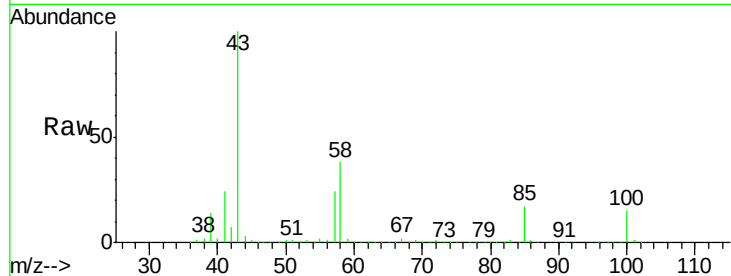
58 38.1 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#52

Toluene

Concen: 19.56 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003254.D

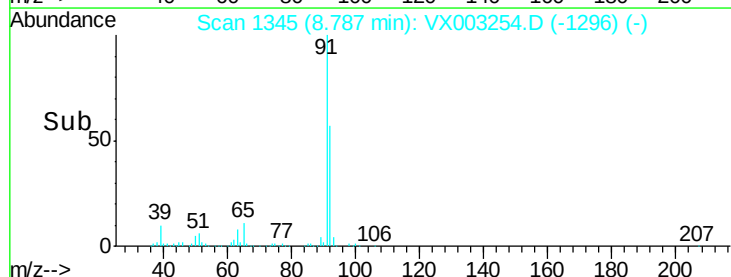
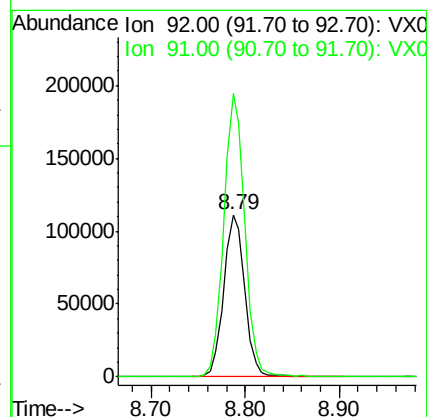
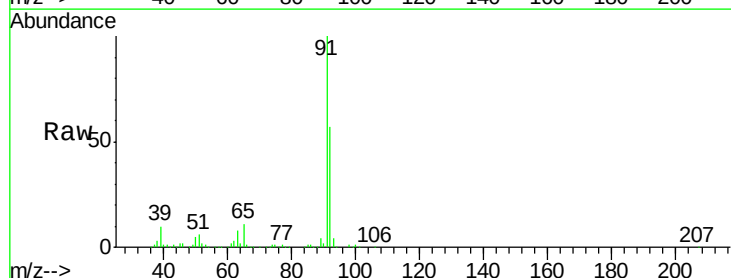
Acq: 09 Jul 2018 20:04

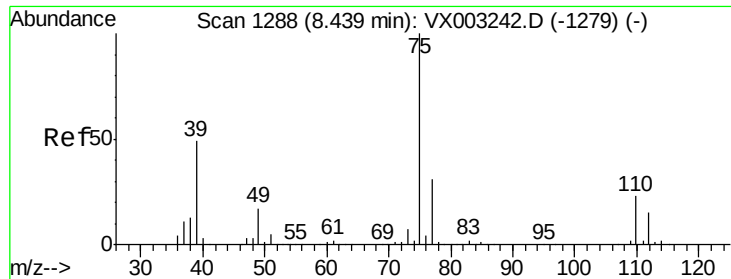
Tgt Ion: 92 Resp: 172746

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 75 Resp: 99715

Ion Ratio Lower Upper

75 100

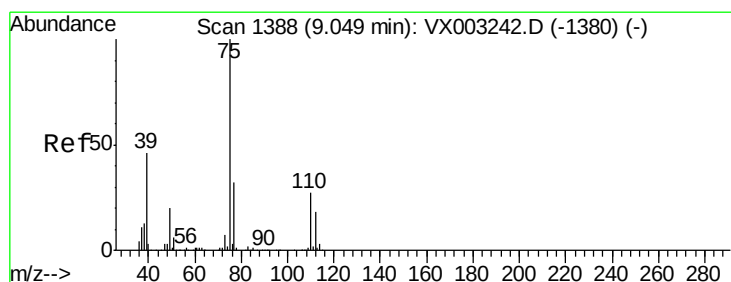
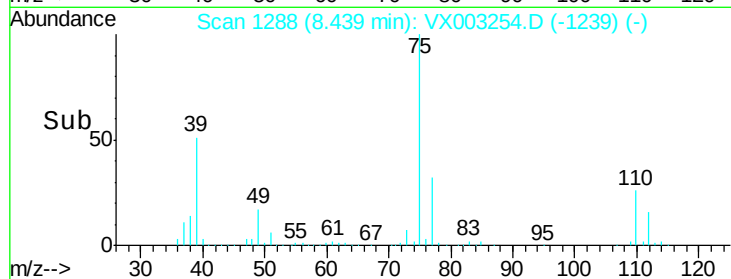
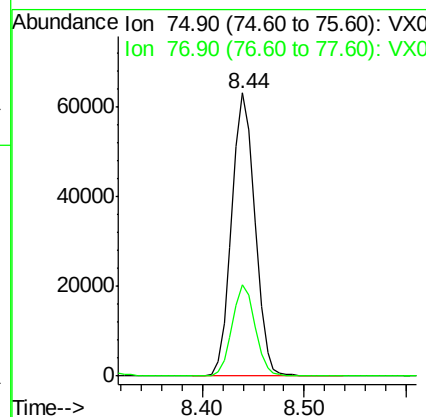
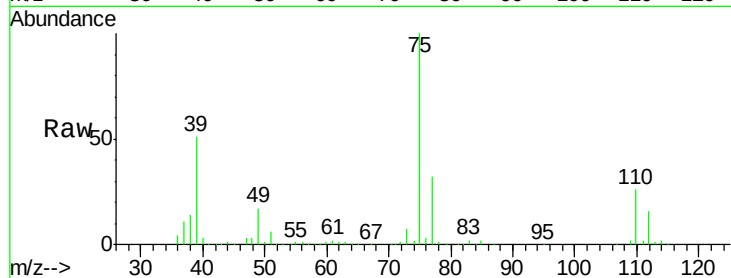
77 32.2 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#54

cis-1,3-Dichloropropene

Concen: 18.44 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

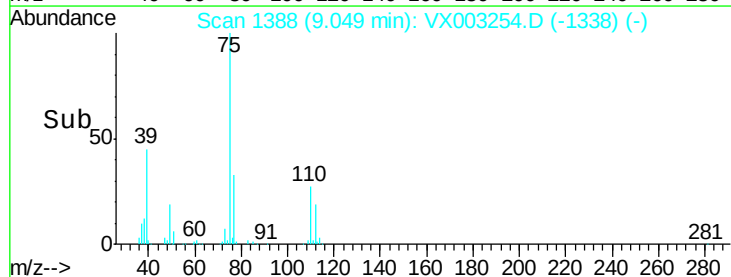
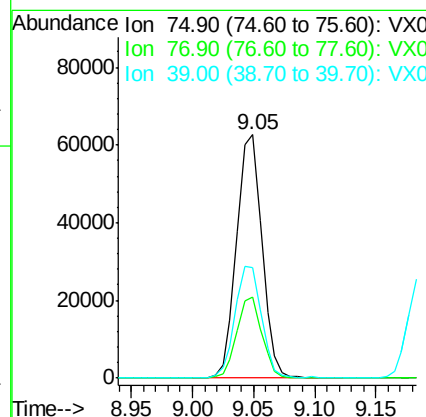
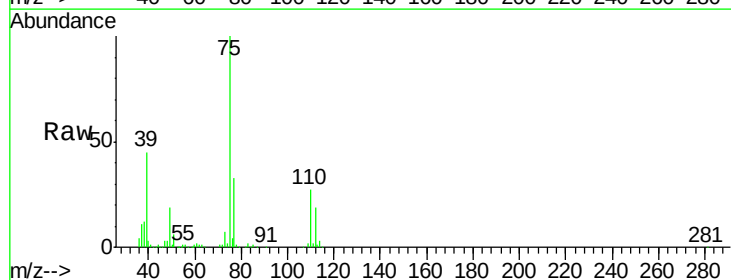
Tgt Ion: 75 Resp: 90228

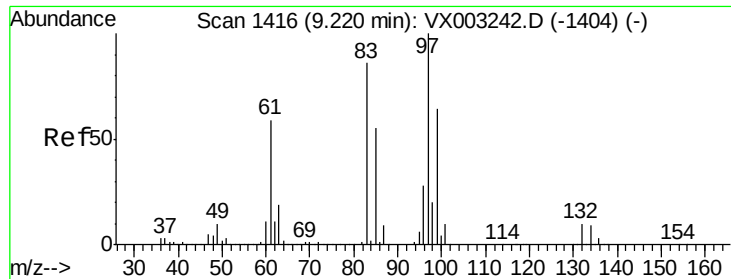
Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

39 45.2 42.4 63.6





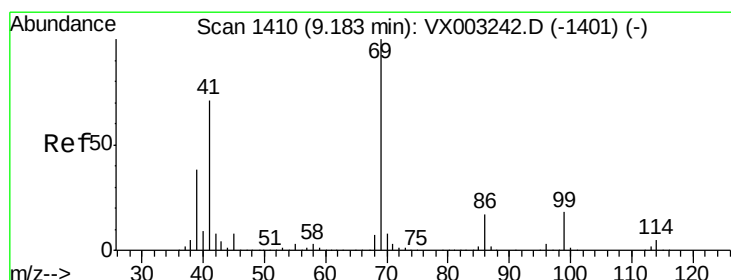
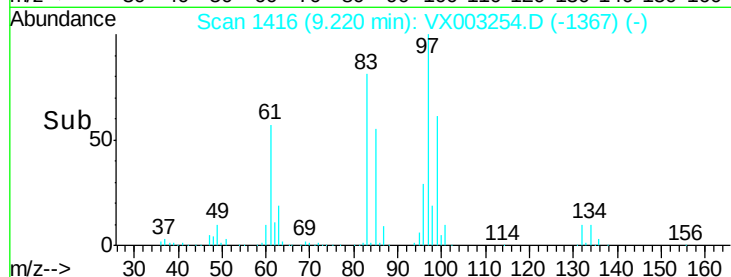
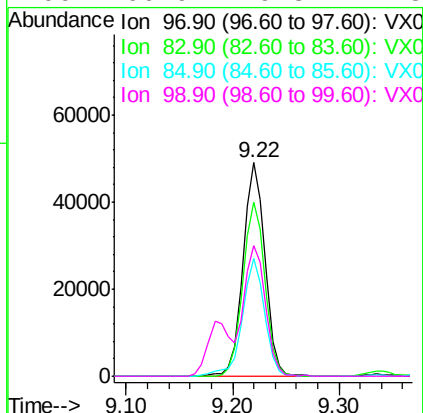
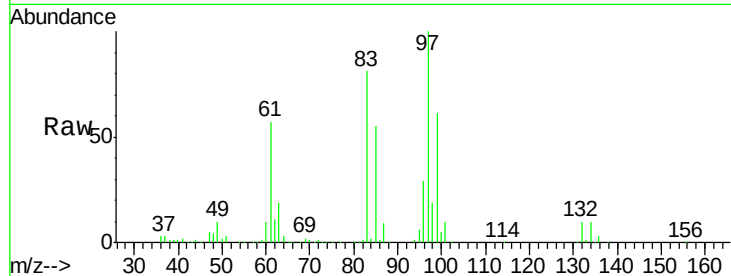
#55
 1,1,2-Trichloroethane
 Concen: 19.40 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion:	97	Resp:	71090
Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.2
85	54.9	44.9	67.3
99	60.9	49.8	74.8

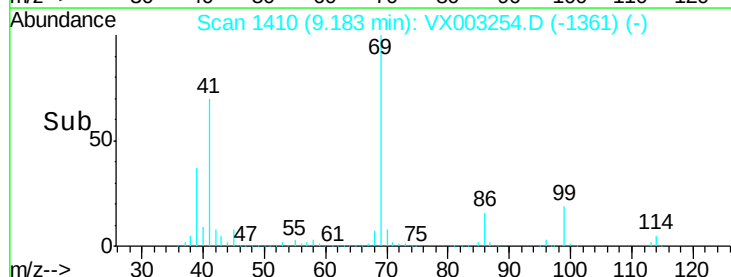
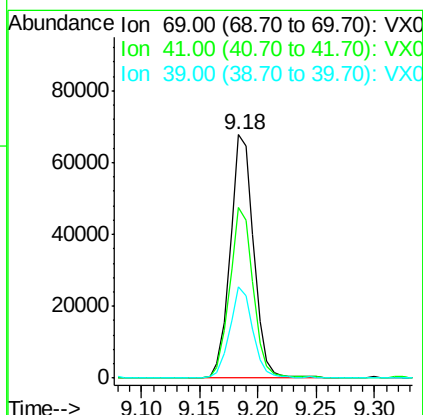
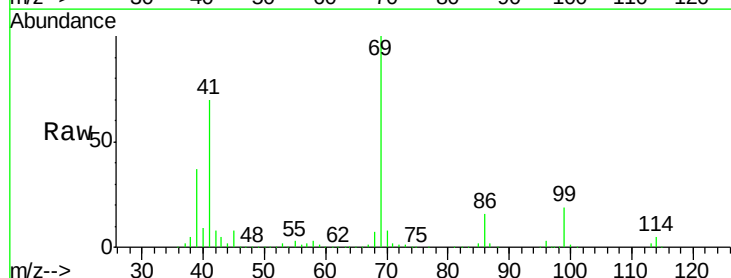
Manual Integrations
 APPROVED

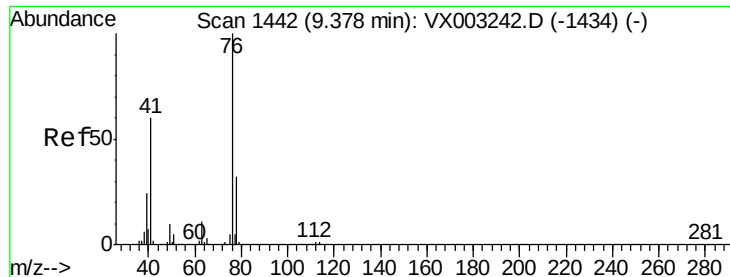
MMDadoda
 7/10/2018 3:11:50 PM



#56
 Ethyl methacrylate
 Concen: 18.98 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion:	69	Resp:	95263
Ion	Ratio	Lower	Upper
69	100		
41	69.9	60.3	90.5
39	36.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.23 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 76 Resp: 113511

Ion Ratio Lower Upper

76 100

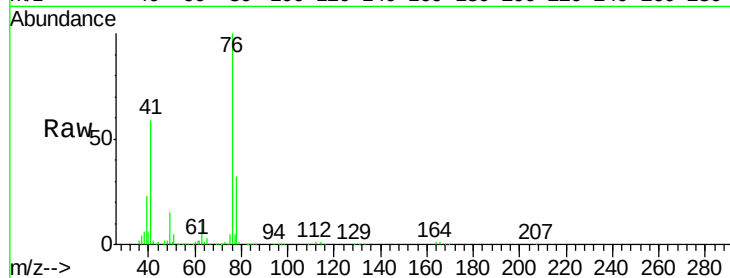
78 32.6 25.8 38.6

Manual Integrations

APPROVED

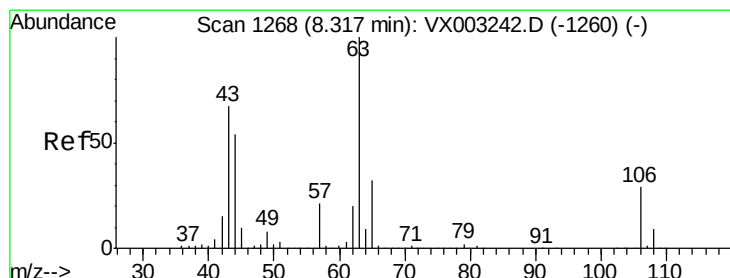
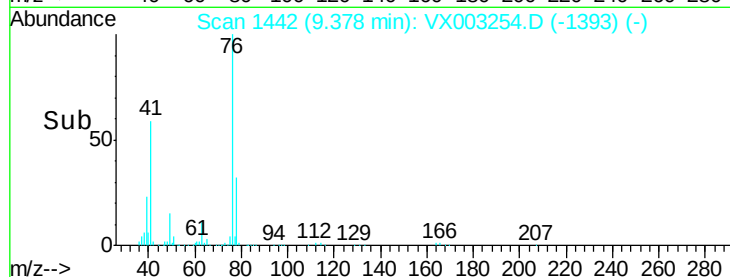
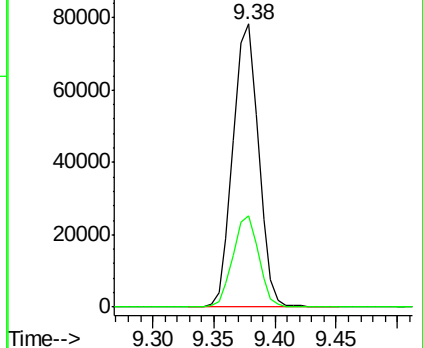
MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.02 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003254.D

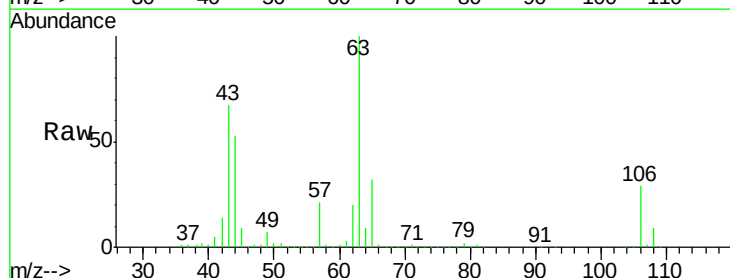
Acq: 09 Jul 2018 20:04

Tgt Ion: 63 Resp: 249410

Ion Ratio Lower Upper

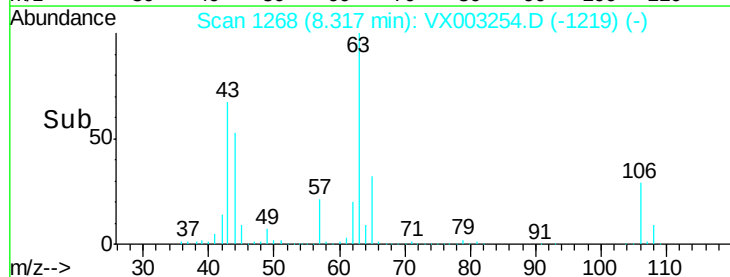
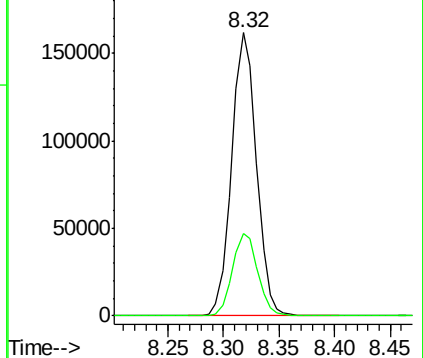
63 100

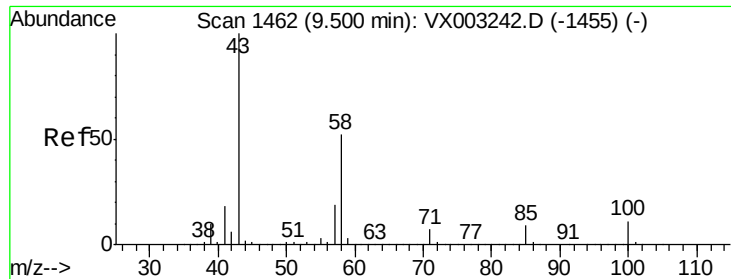
106 29.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





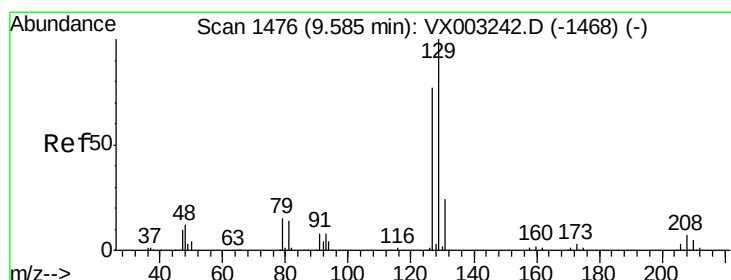
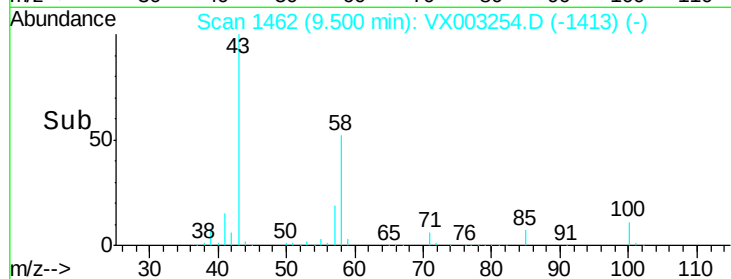
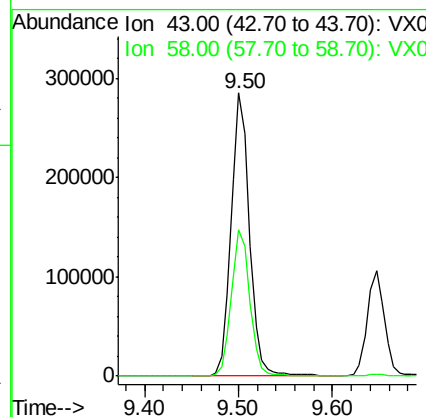
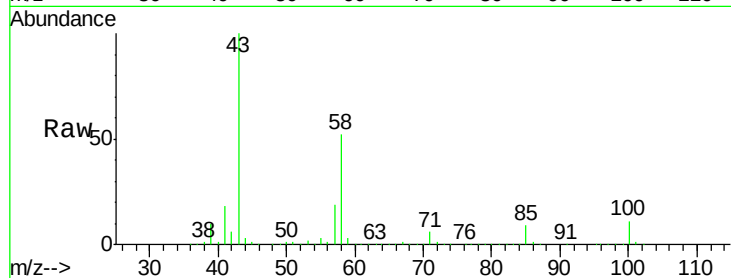
#59
2-Hexanone
Concen: 100.56 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	43	58	Resp	385947
Ion Ratio	100	52.6	Lower	Upper
		24.6		73.6

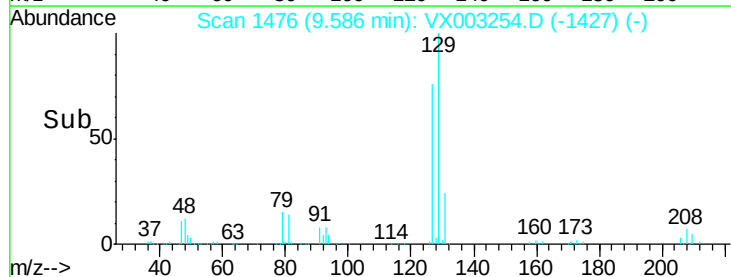
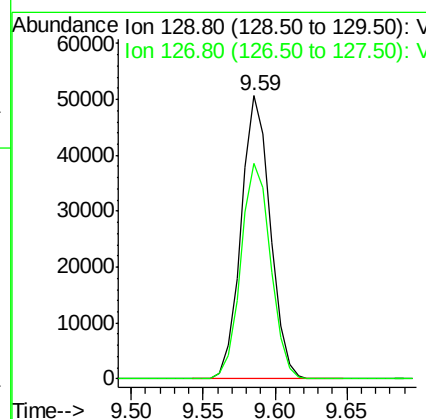
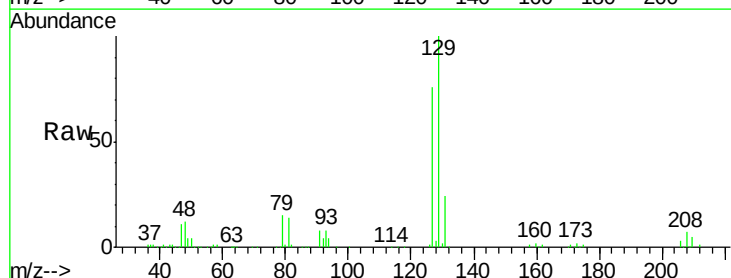
Manual Integrations
APPROVED

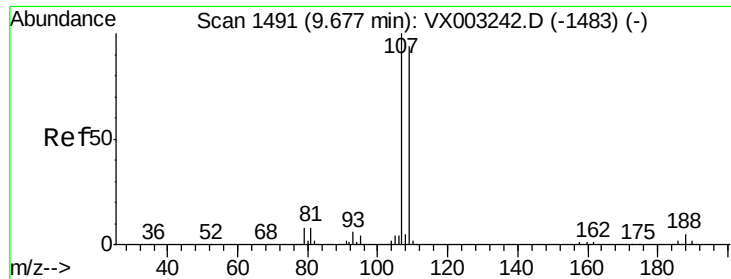
MMDadoda
7/10/2018 3:11:50 PM



#60
Dibromochloromethane
Concen: 18.65 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	129	127	Resp	71354
Ion Ratio	100	77.5	Lower	Upper
		38.5		115.3





#61

1,2-Dibromoethane

Concen: 19.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:107 Resp: 74524

Ion Ratio Lower Upper

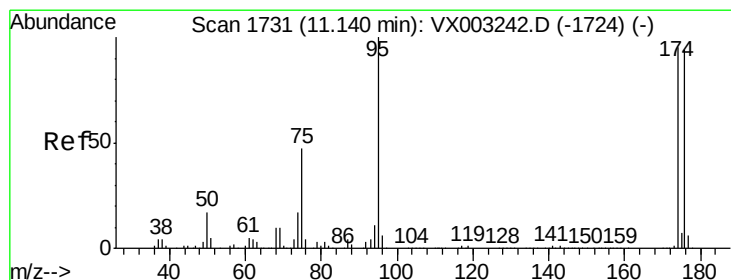
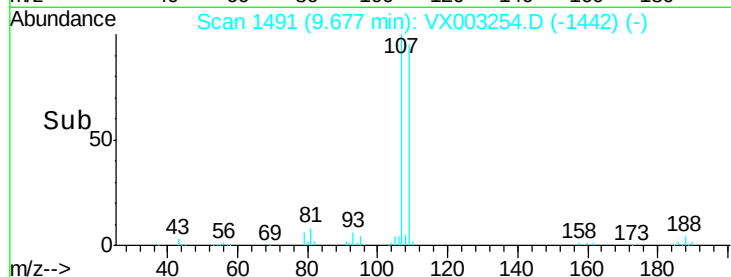
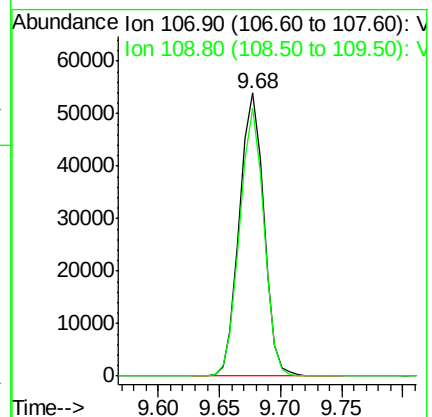
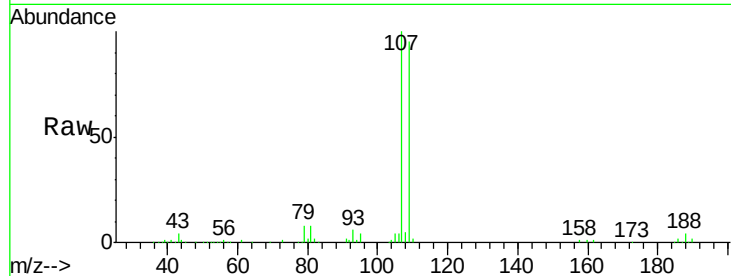
107 100

109 94.1 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#62

4-Bromofluorobenzene

Concen: 49.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

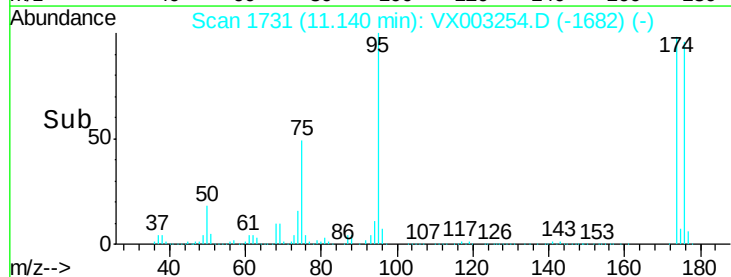
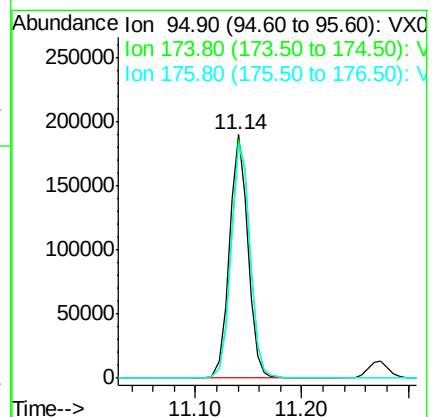
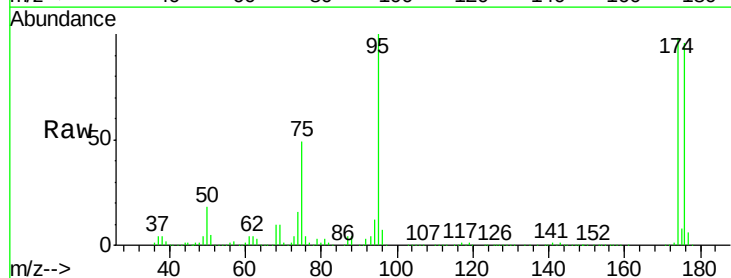
Tgt Ion: 95 Resp: 231147

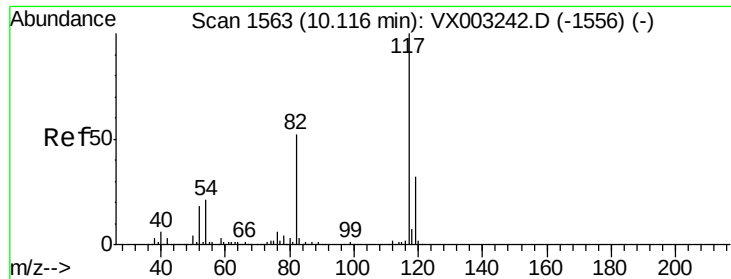
Ion Ratio Lower Upper

95 100

174 101.0 0.0 187.4

176 98.7 0.0 181.0





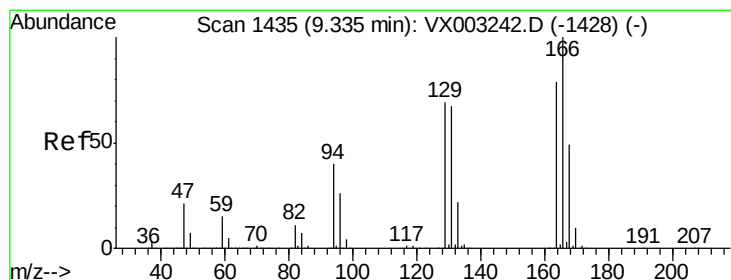
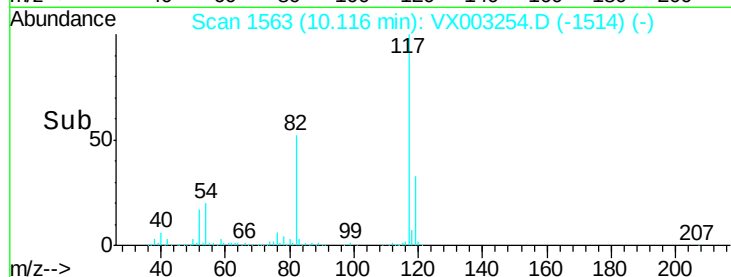
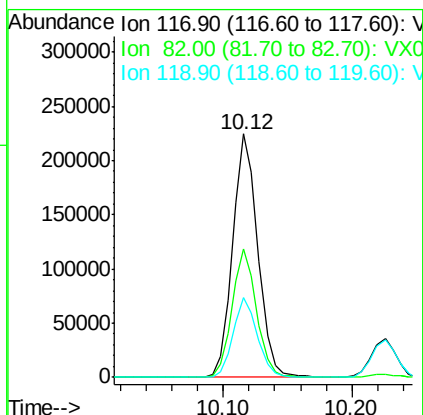
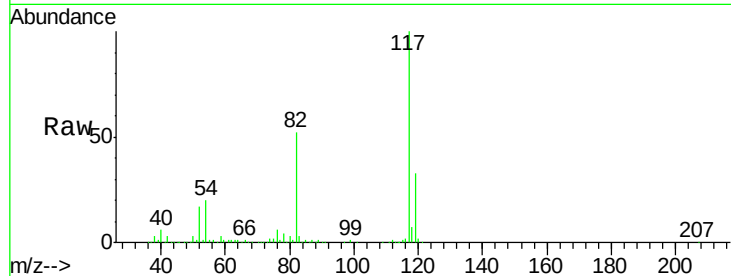
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	45.0	67.4
119	32.7	25.8	38.6

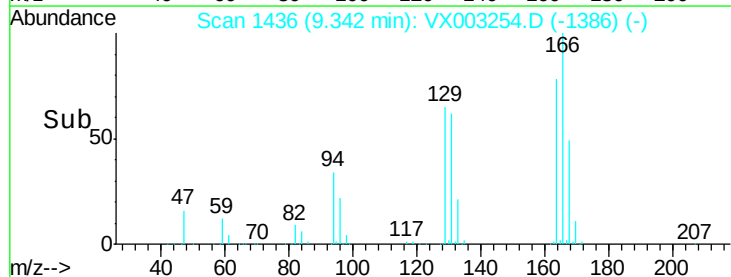
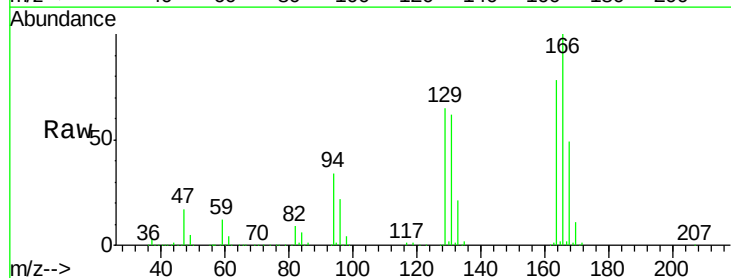
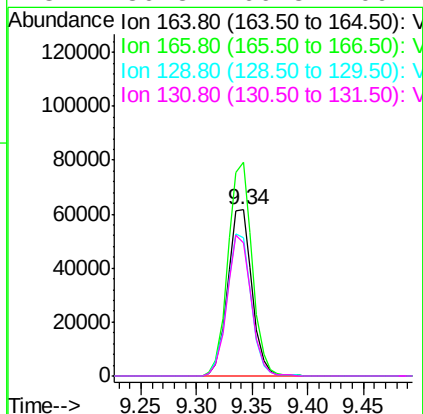
Manual Integrations
APPROVED

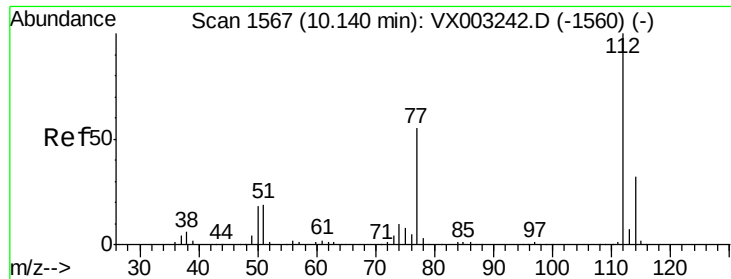
MMDadoda
7/10/2018 3:11:50 PM



#64
Tetrachloroethene
Concen: 20.04 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	83.3	68.6	102.8
131	80.3	66.8	100.2





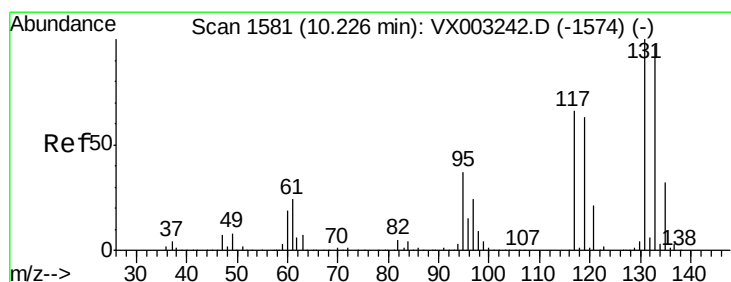
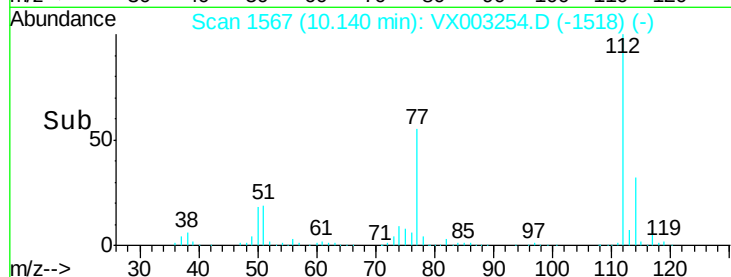
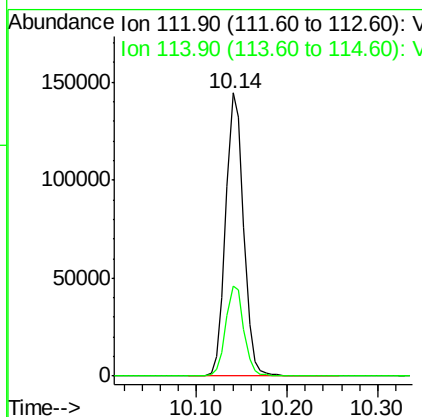
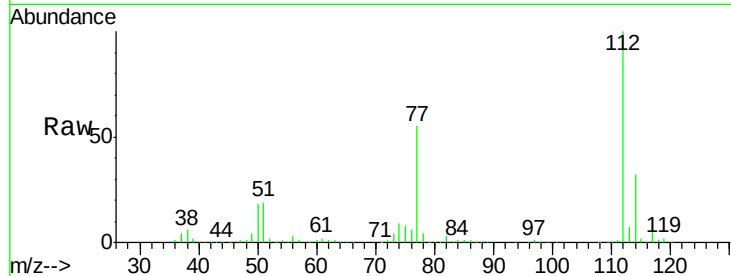
#65
Chlorobenzene
Concen: 19.19 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion:112 Resp: 199048
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

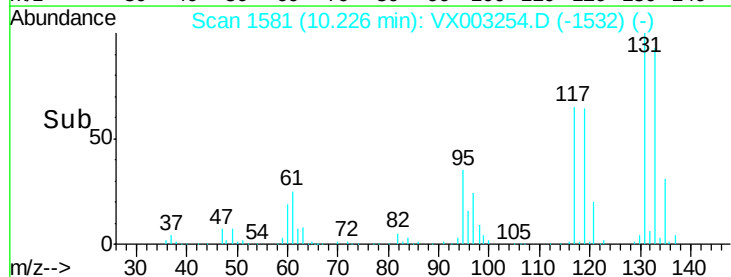
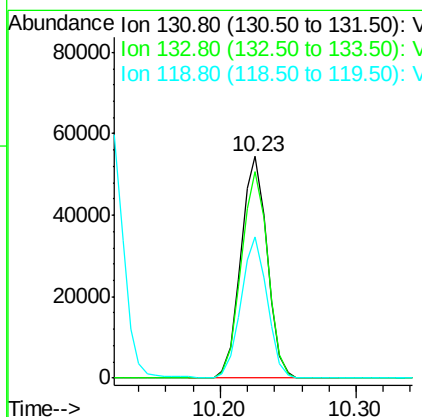
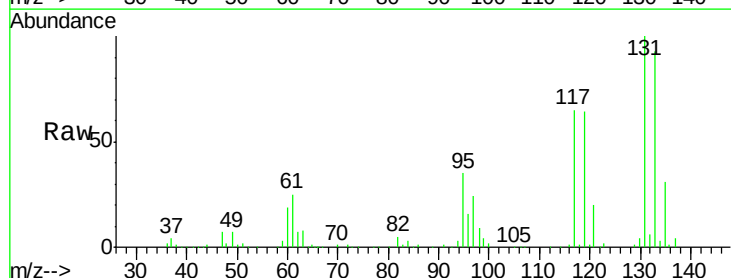
Manual Integrations
APPROVED

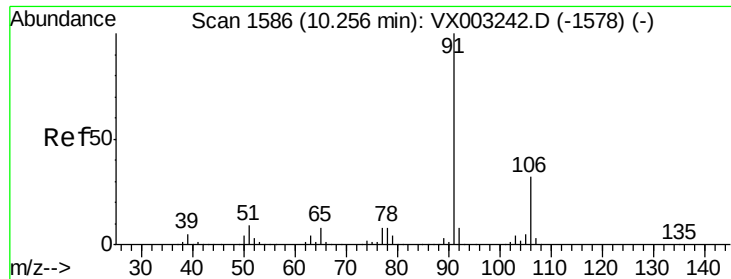
MMDadoda
7/10/2018 3:11:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.68 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:131 Resp: 73660
Ion Ratio Lower Upper
131 100
133 94.2 47.9 143.6
119 63.2 31.8 95.3





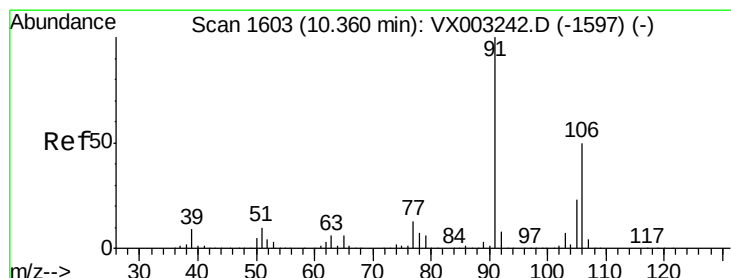
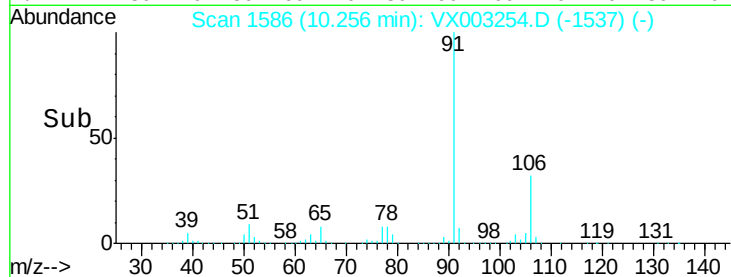
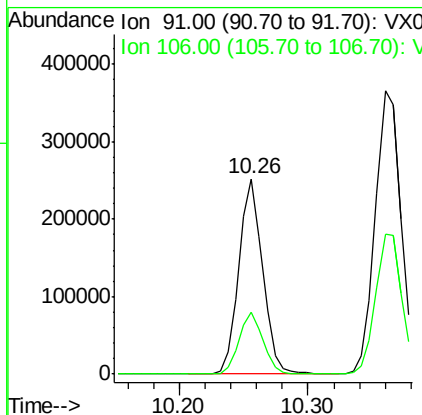
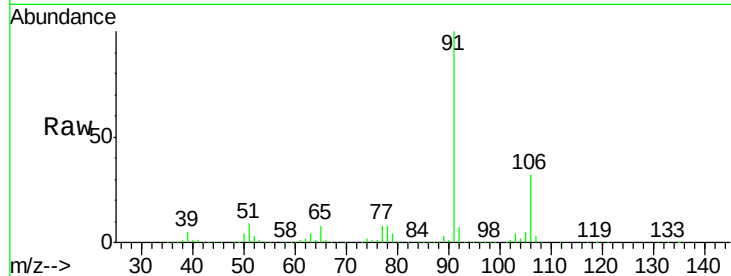
#67
Ethyl Benzene
Concen: 19.35 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 91 Resp: 324509
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

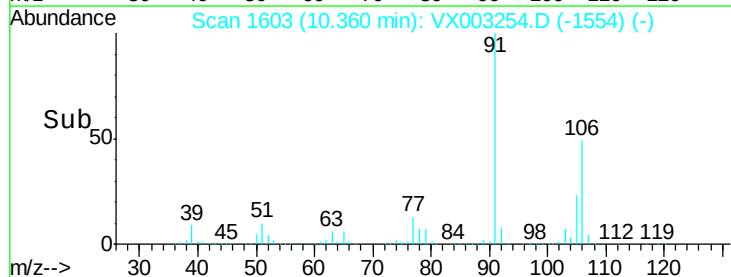
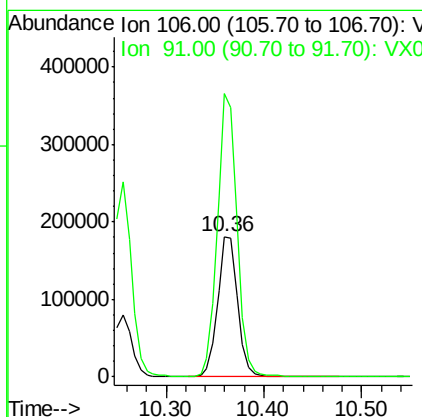
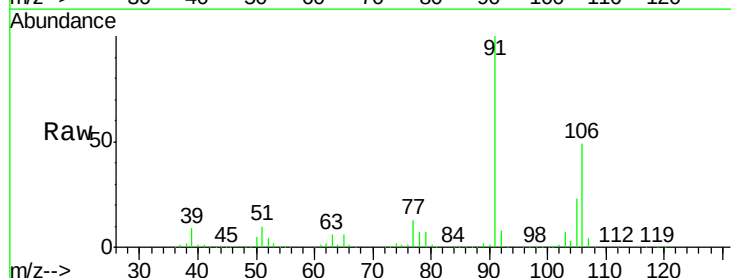
Manual Integrations
APPROVED

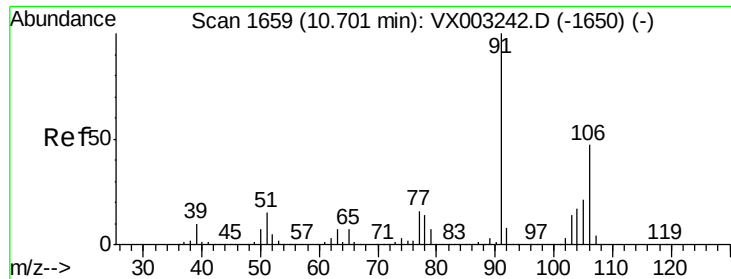
MMDadoda
7/10/2018 3:11:50 PM



#68
m/p-Xylenes
Concen: 39.00 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 106 Resp: 254483
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2





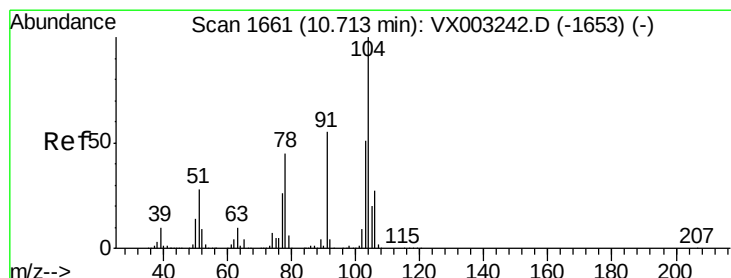
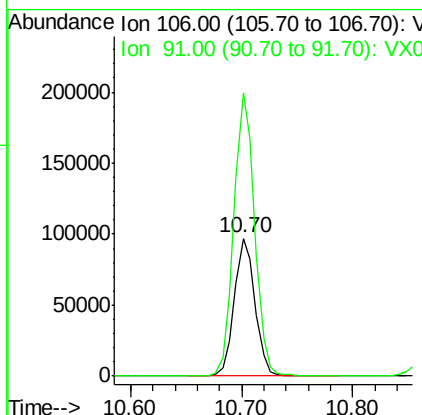
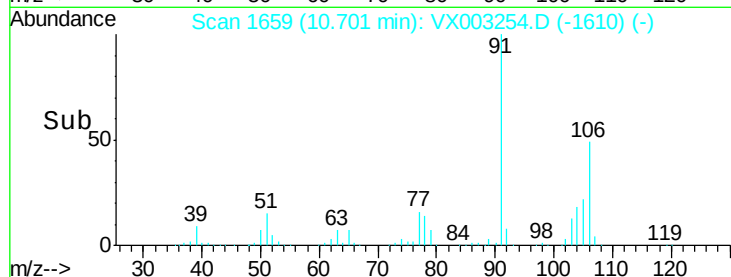
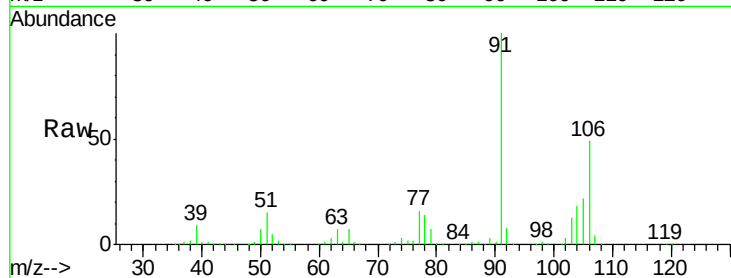
#69
o-Xylene
Concen: 19.72 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion:106 Resp: 124688
Ion Ratio Lower Upper
106 100
91 206.7 108.2 324.6

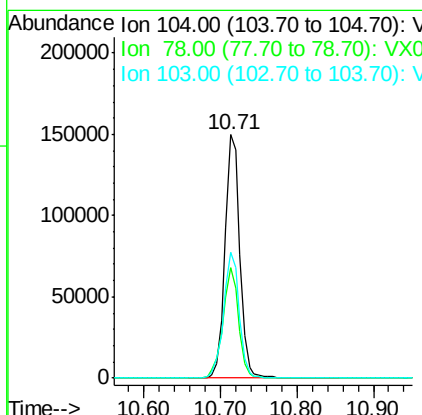
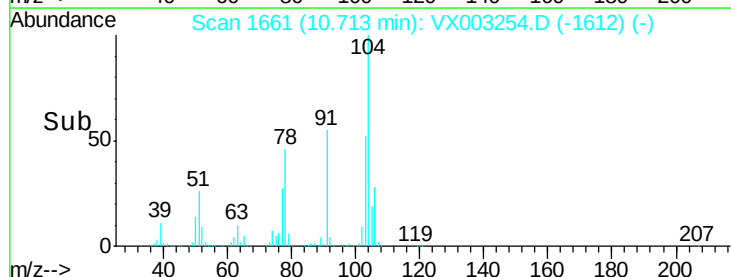
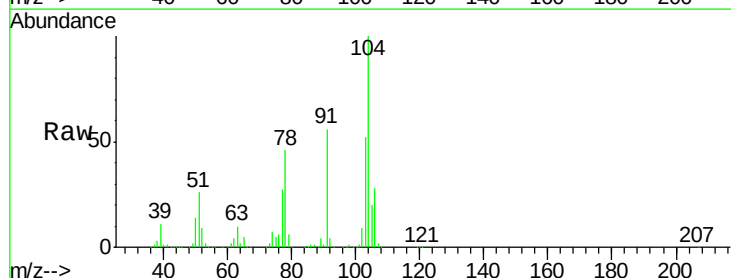
Manual Integrations
APPROVED

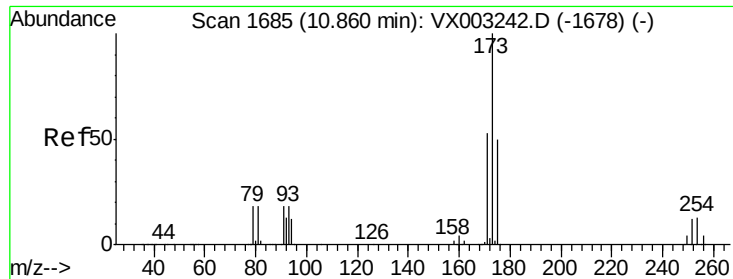
MMDadoda
7/10/2018 3:11:50 PM



#70
Styrene
Concen: 19.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:104 Resp: 201189
Ion Ratio Lower Upper
104 100
78 48.0 41.0 61.6
103 55.0 44.2 66.4





#71

Bromoform

Concen: 18.47 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:173 Resp: 56873

Ion Ratio Lower Upper

173 100

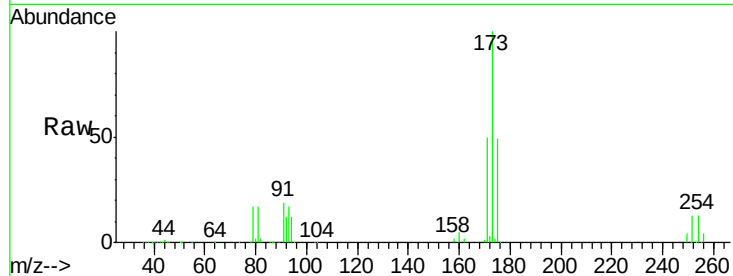
175 49.7 24.7 74.1

254 0.1 0.2 0.2#

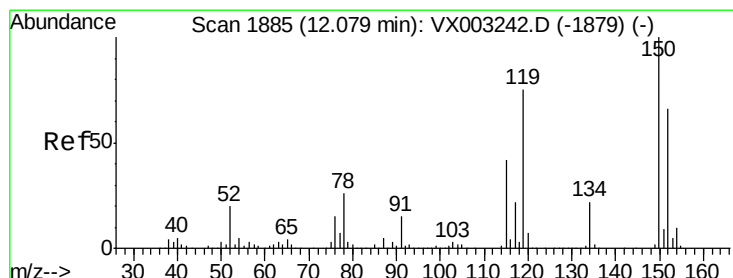
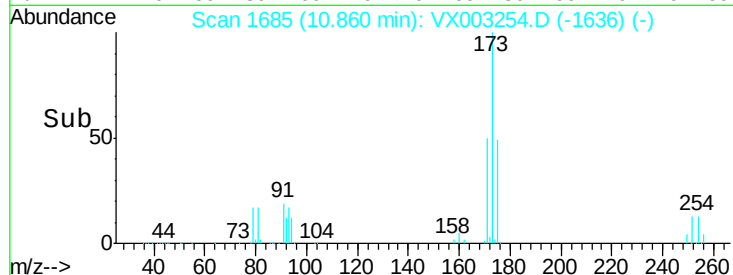
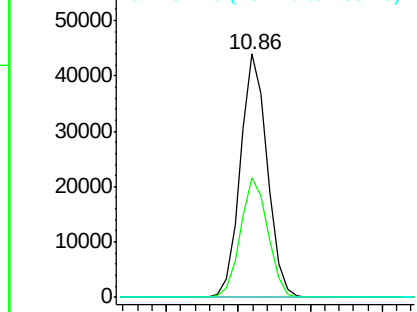
Manual Integrations
APPROVED

MMDadoda

7/10/2018 3:11:50 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

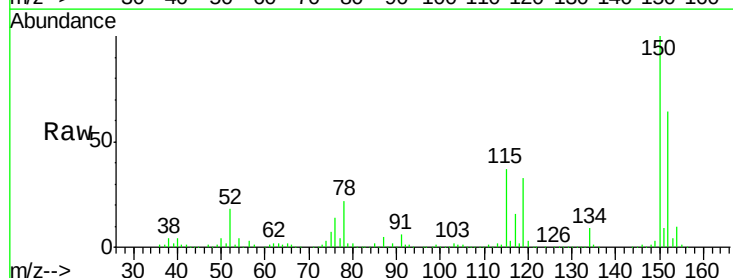
Tgt Ion:152 Resp: 211703

Ion Ratio Lower Upper

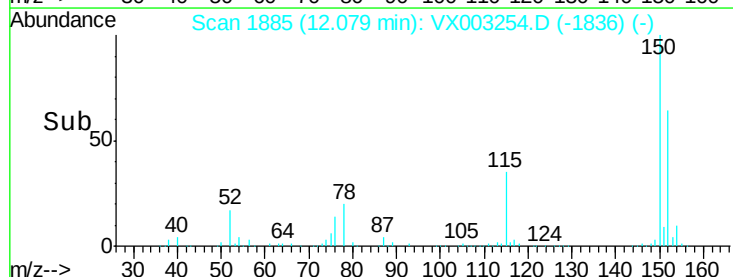
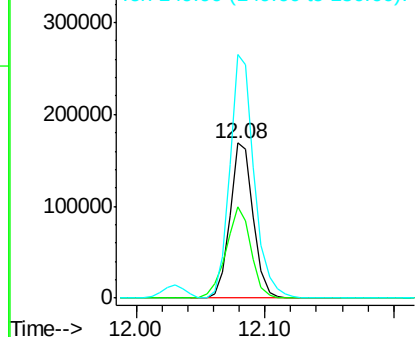
152 100

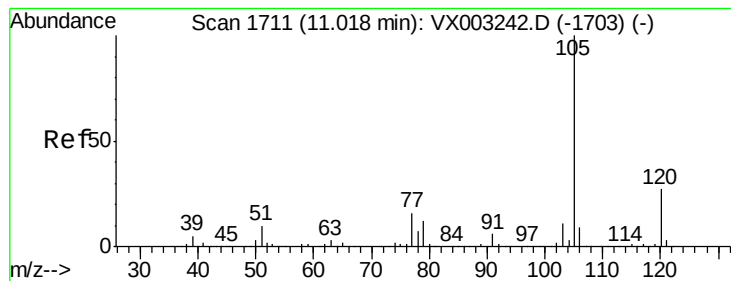
115 64.2 40.1 120.2

150 164.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:105 Resp: 334292

Ion Ratio Lower Upper

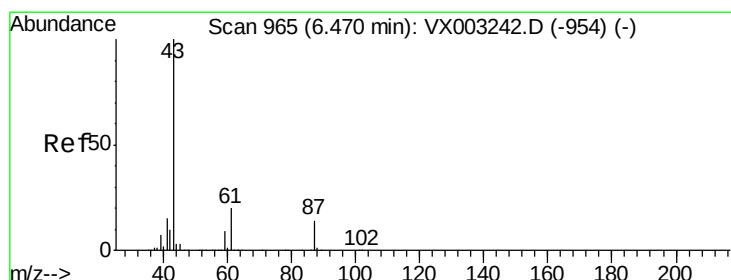
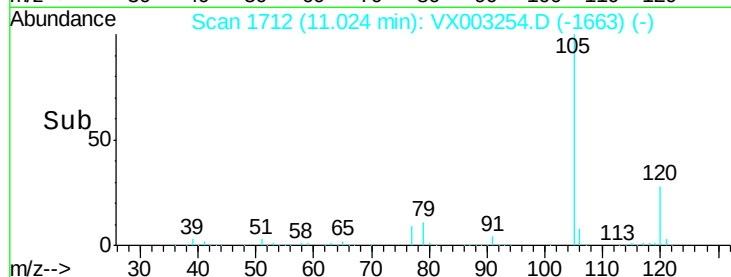
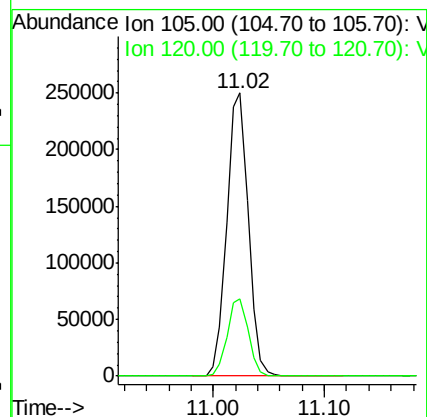
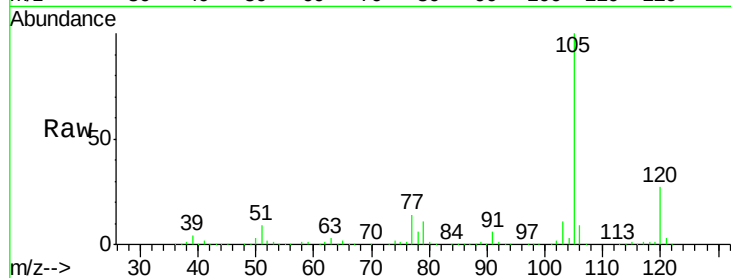
105 100

120 27.0 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

7/10/2018 3:11:50 PM



#74

N-ethyl acetate

Concen: 19.44 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion: 43 Resp: 155019

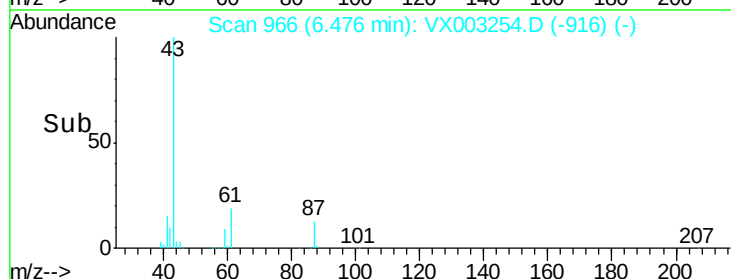
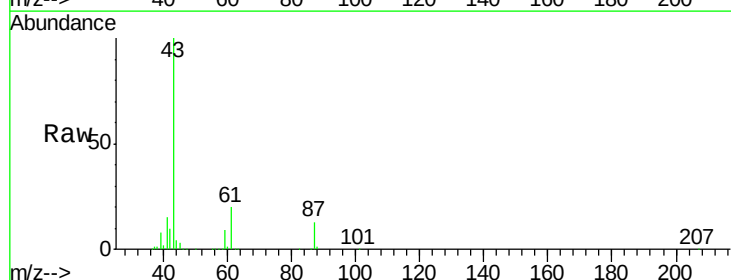
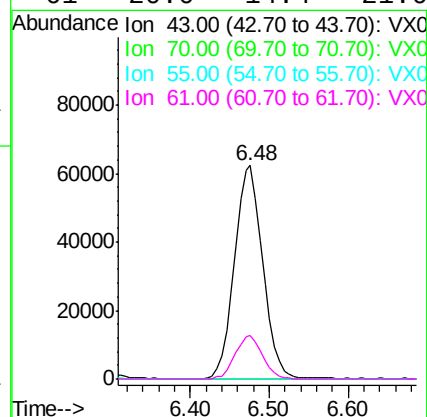
Ion Ratio Lower Upper

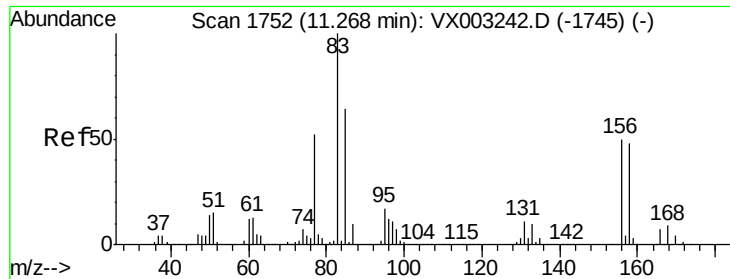
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

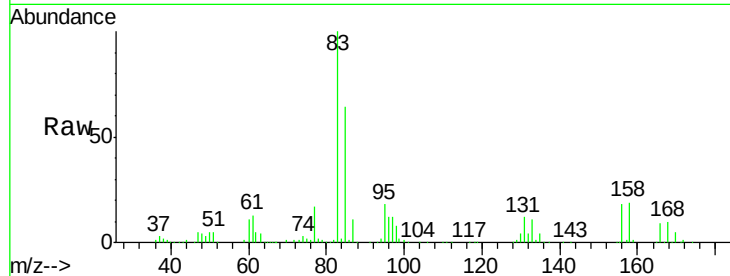
ClientSampled :

VX0709WBS01

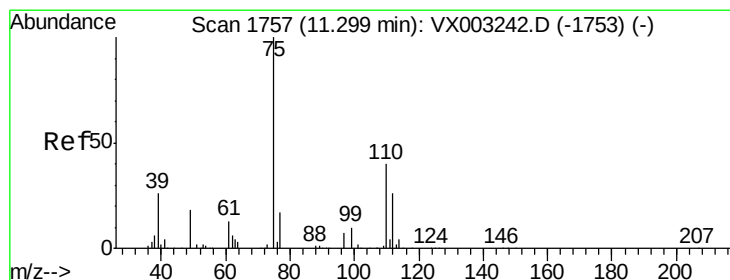
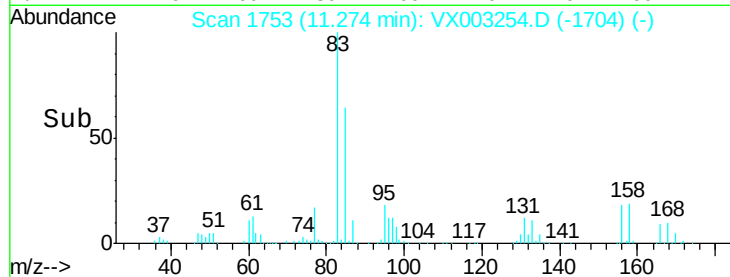
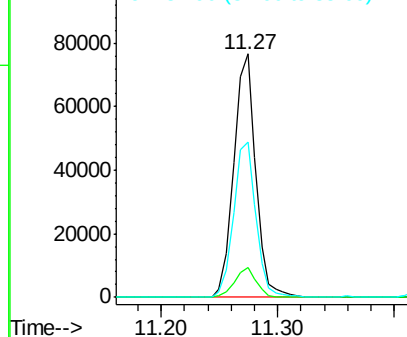
Tot Ion:	83	Resp:	100778
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.6	16.8
85	64.9	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 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: 22.04 ug/l m

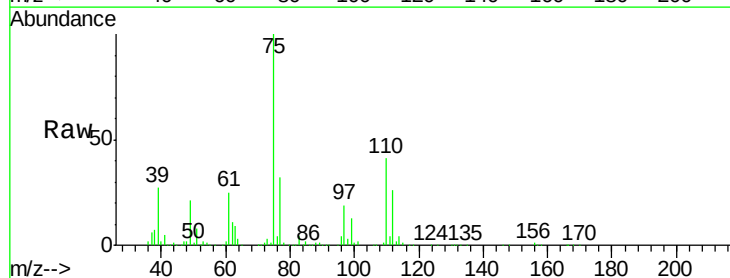
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

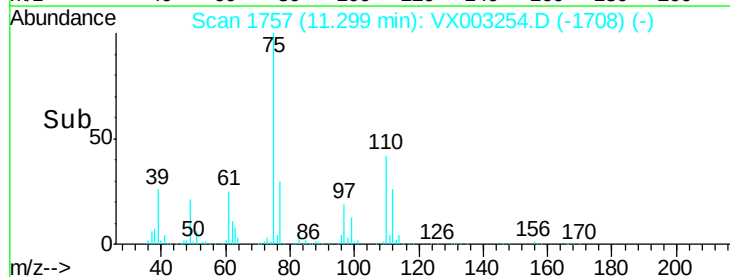
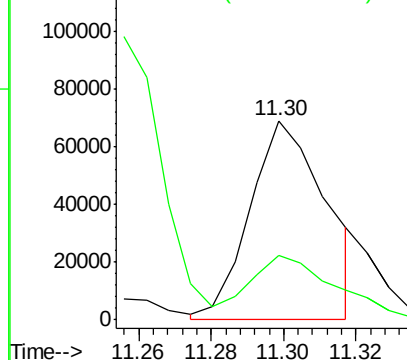
Lab File: VX003254.D

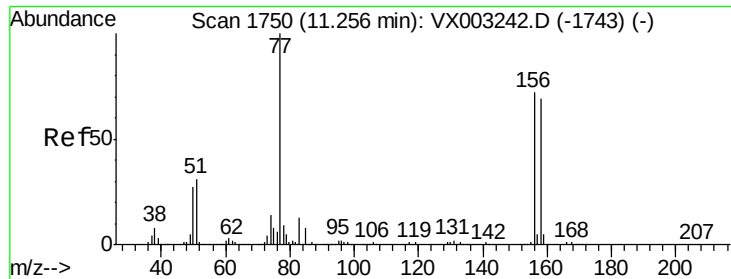
Acq: 09 Jul 2018 20:04

Tgt Ion:	75	Resp:	100831
Ion	Ratio	Lower	Upper
75	100		
77	36.6	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: 19.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

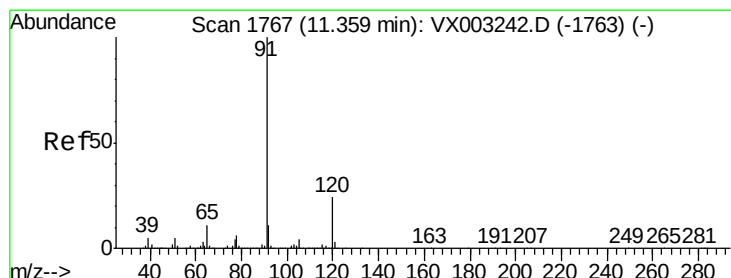
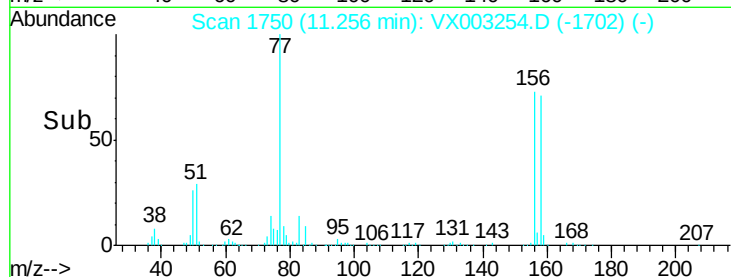
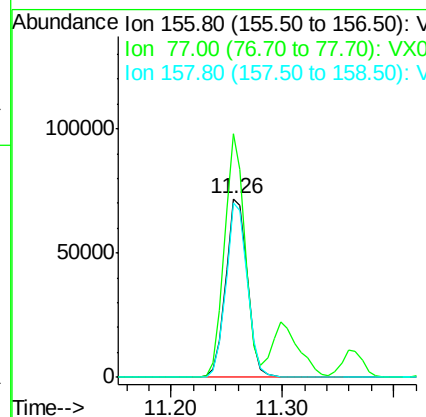
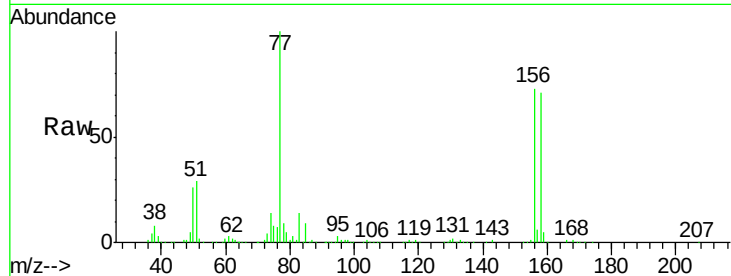
ClientSampleId :

VX0709WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.8	71.4	214.2
158	96.8	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#78

n-propylbenzene

Concen: 19.94 ug/l

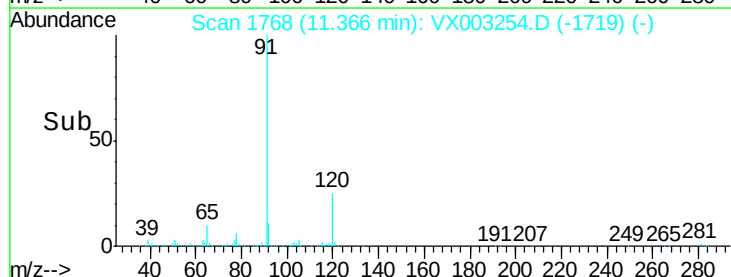
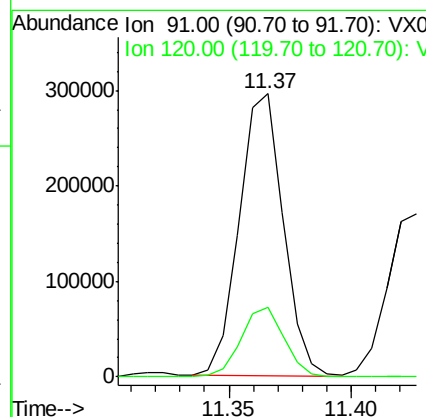
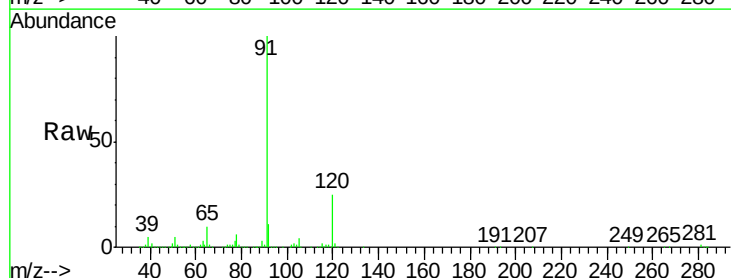
RT: 11.37 min Scan# 1768

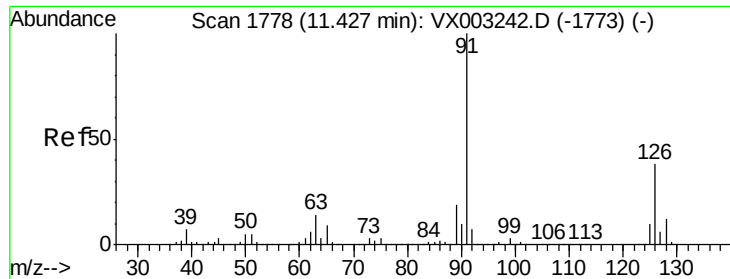
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.4





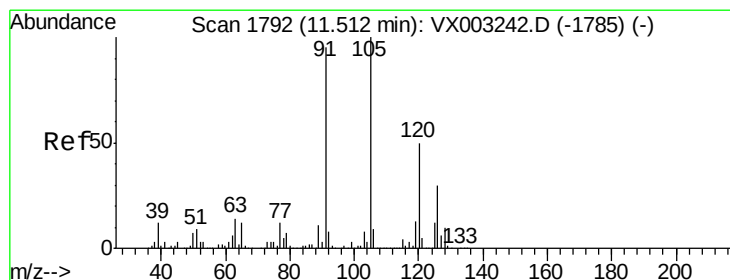
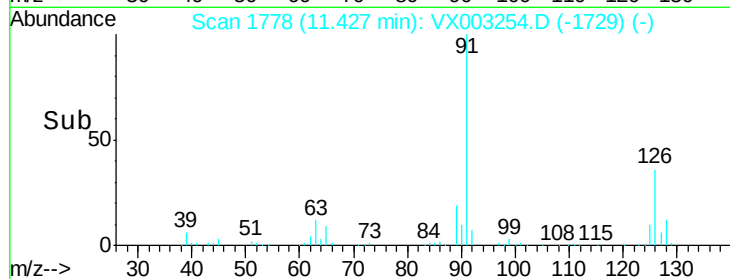
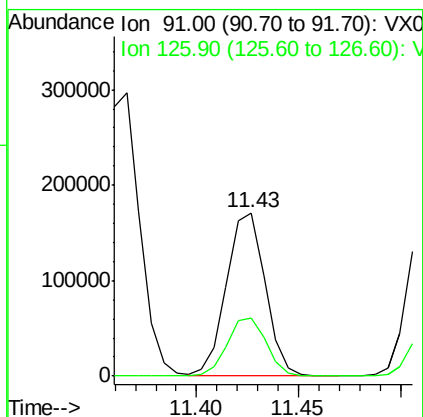
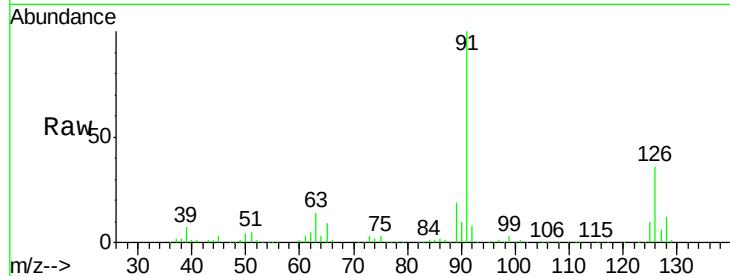
#79
 2-Chlorotoluene
 Concen: 19.74 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion: 91 Resp: 223539
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.7 53.1

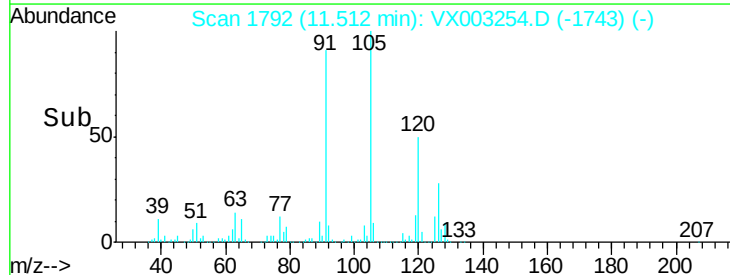
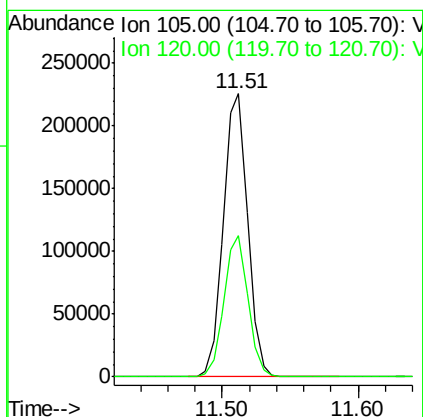
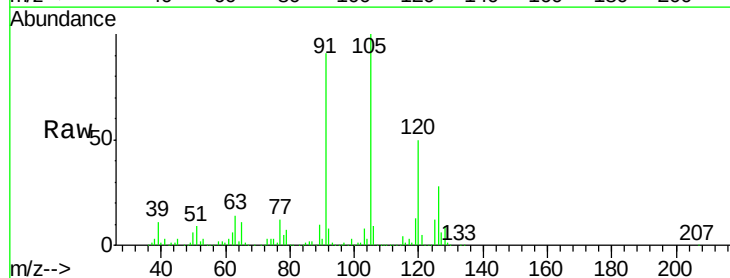
Manual Integrations
 APPROVED

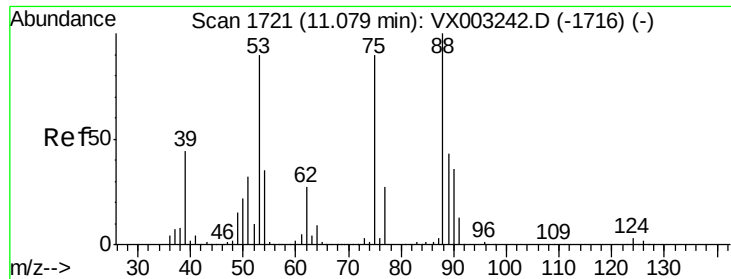
MMDadoda
 7/10/2018 3:11:50 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion: 105 Resp: 279262
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4





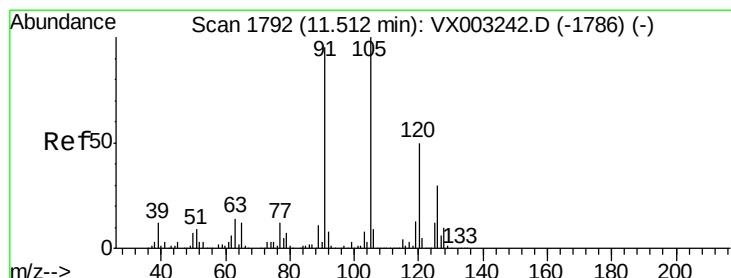
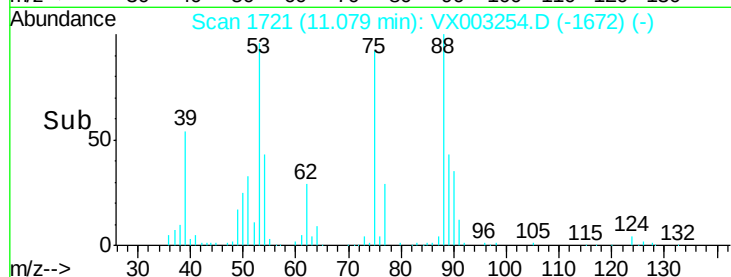
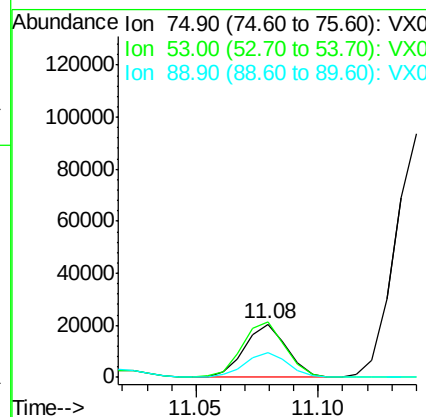
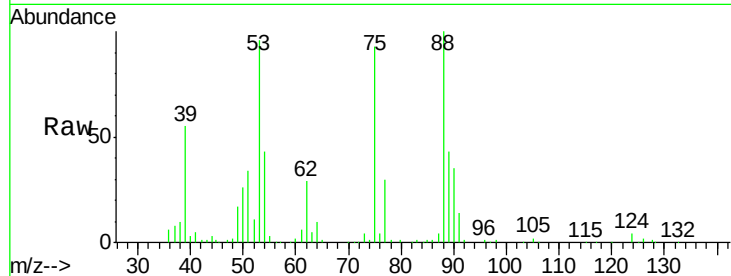
#81
trans-1,4-Dichloro-2-butene
Concen: 17.42 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.8	86.8	130.2
89	47.7	38.2	57.2

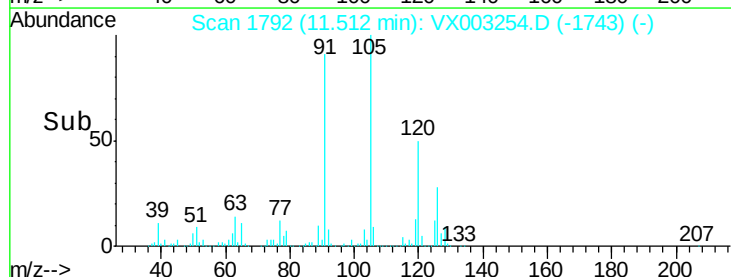
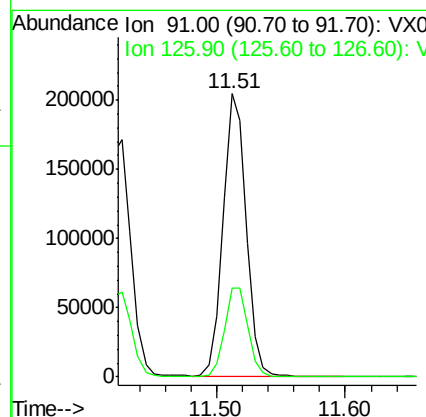
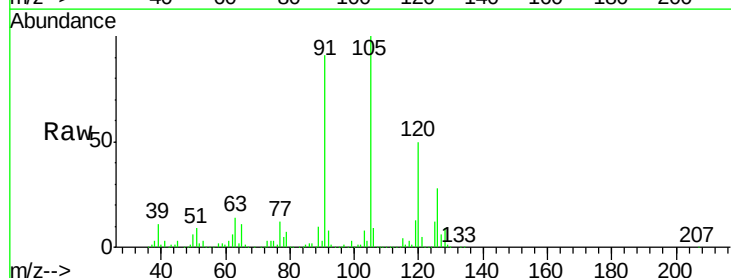
Manual Integrations
APPROVED

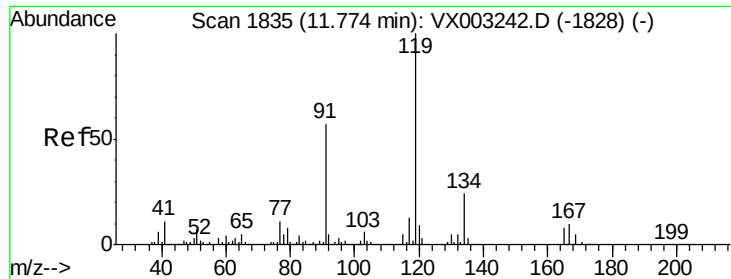
MMDadoda
7/10/2018 3:11:50 PM



#82
4-Chlorotoluene
Concen: 19.66 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.4	46.4





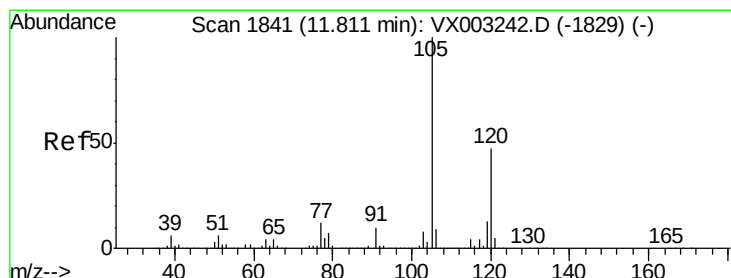
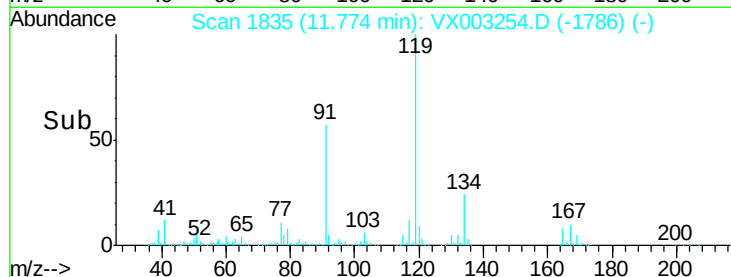
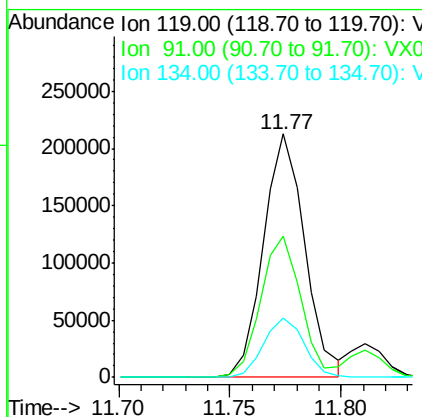
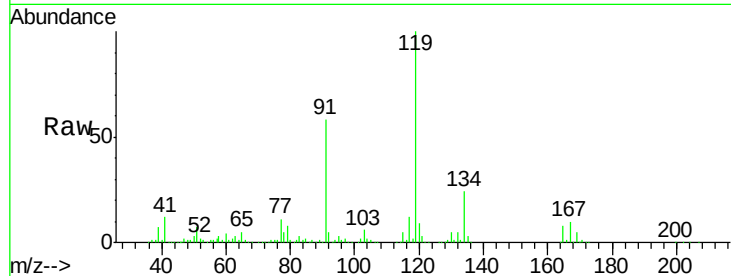
#83
 tert-Butylbenzene
 Concen: 19.72 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	30.3	90.9
134	24.1	11.7	35.1

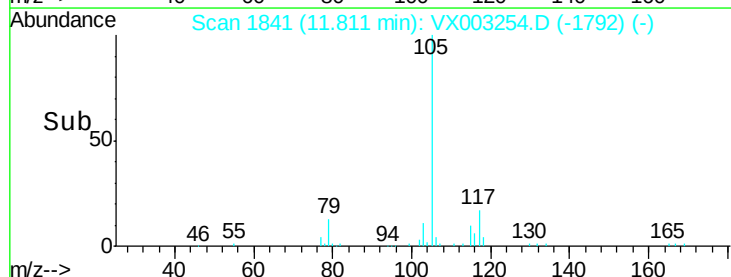
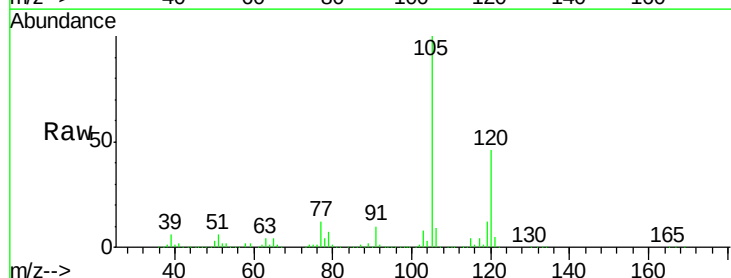
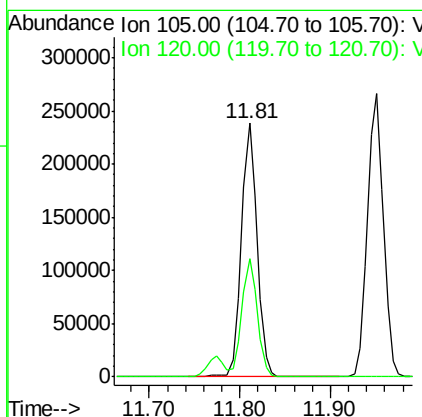
Manual Integrations
 APPROVED

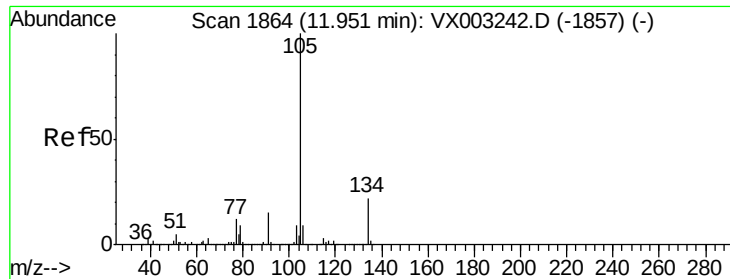
MMDadoda
 7/10/2018 3:11:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 19.81 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

Tot Ion:105 Resp: 325566

Ion Ratio Lower Upper

105 100

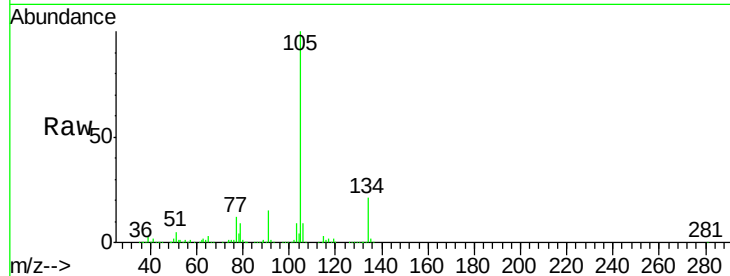
134 21.2 10.4 31.1

Manual Integrations

APPROVED

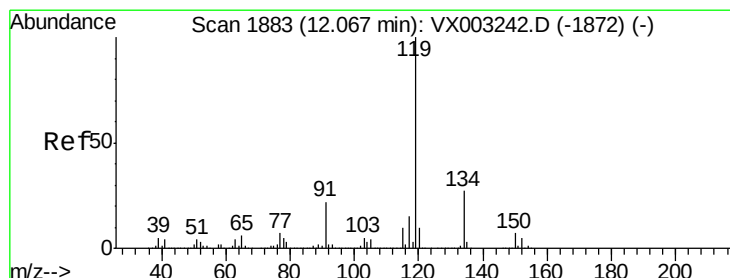
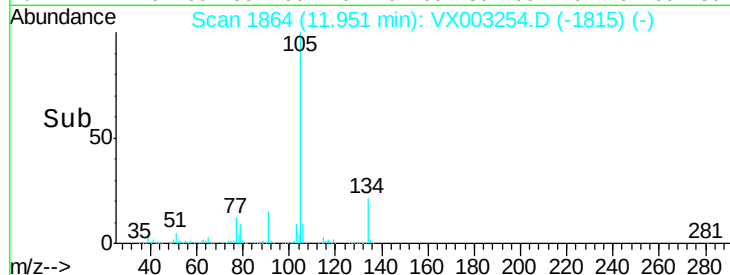
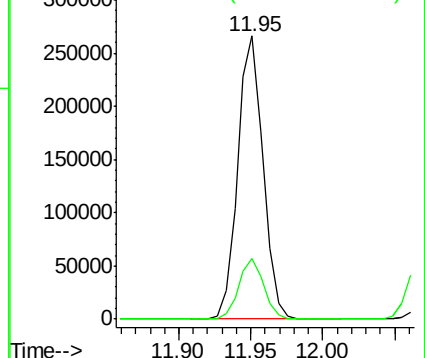
MMDadoda

7/10/2018 3:11:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.73 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

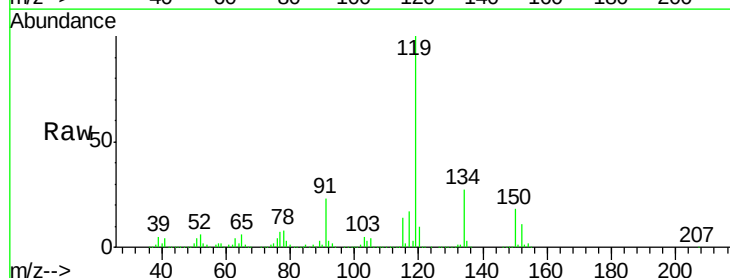
Tgt Ion:119 Resp: 295448

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

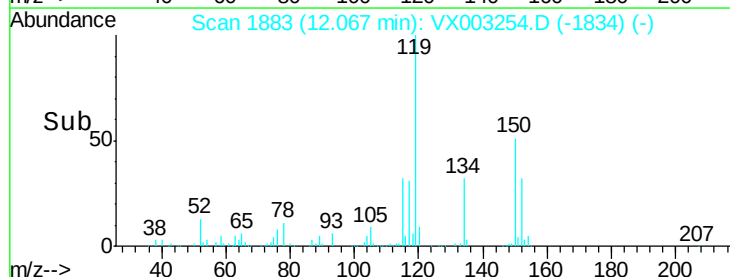
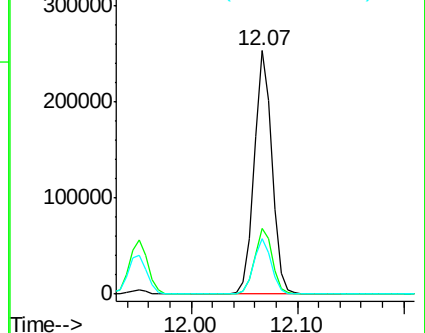
91 22.6 11.9 35.7

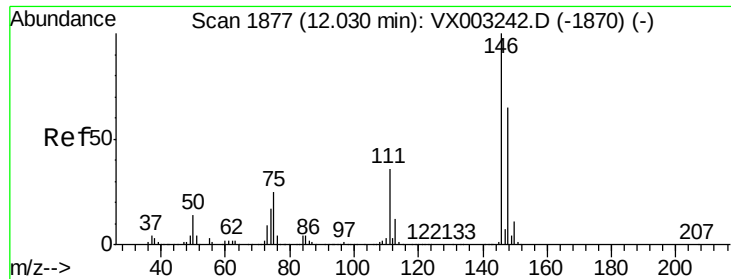


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





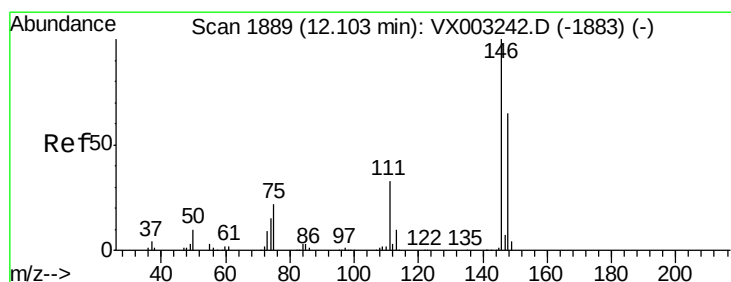
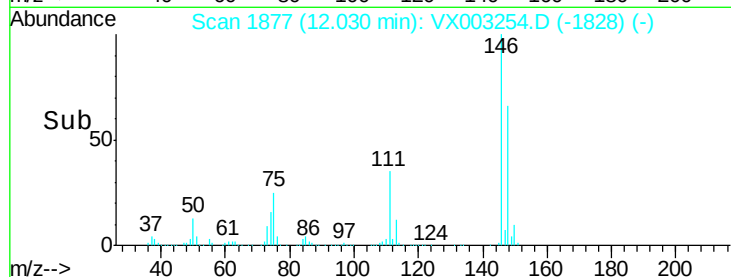
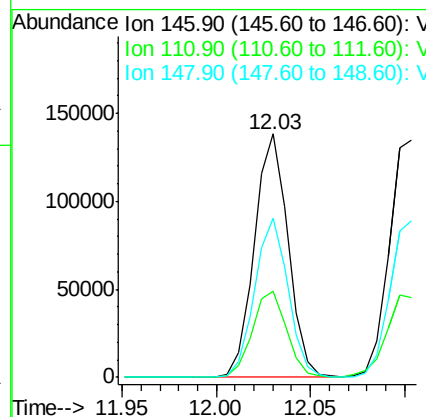
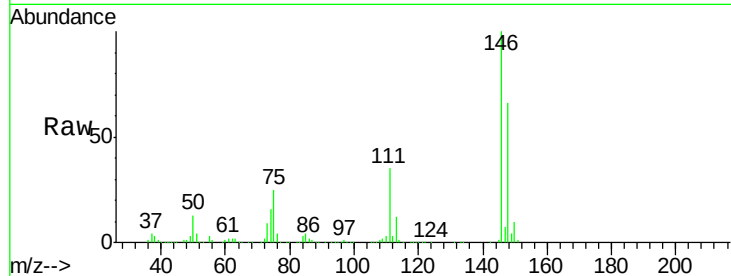
#87
 1,3-Dichlorobenzene
 Concen: 19.31 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.7
148	65.1	32.1	96.3

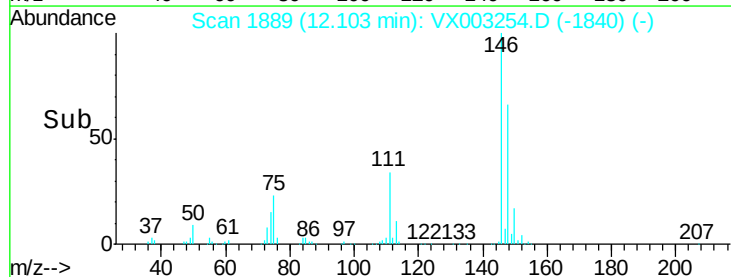
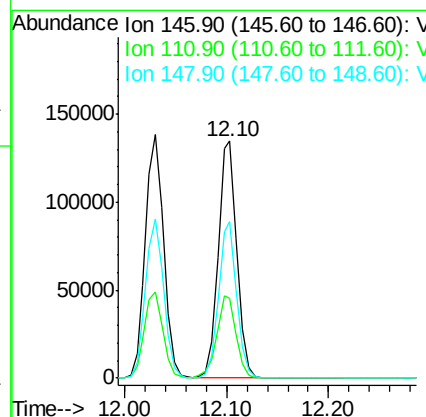
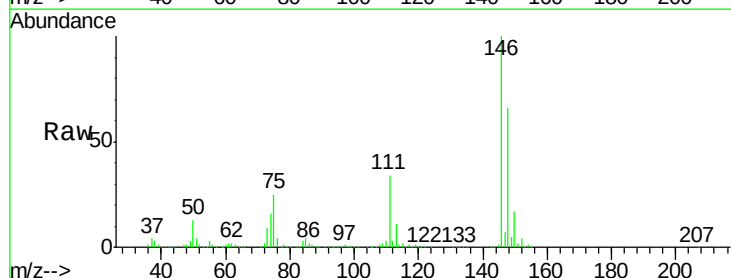
Manual Integrations
 APPROVED

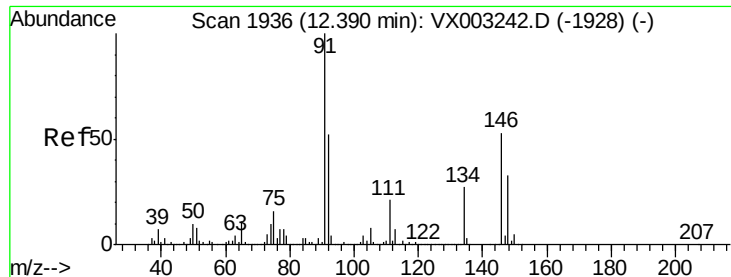
MMDadoda
 7/10/2018 3:11:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 18.85 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

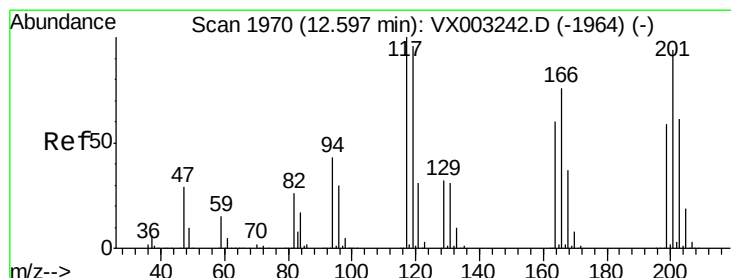
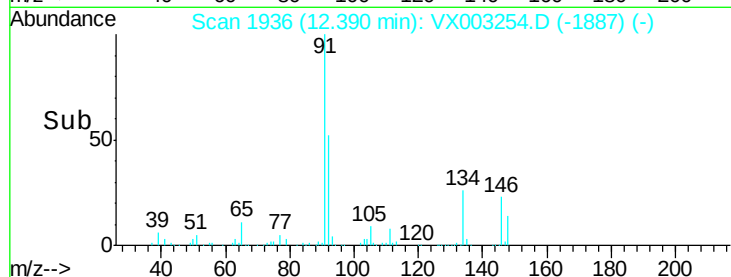
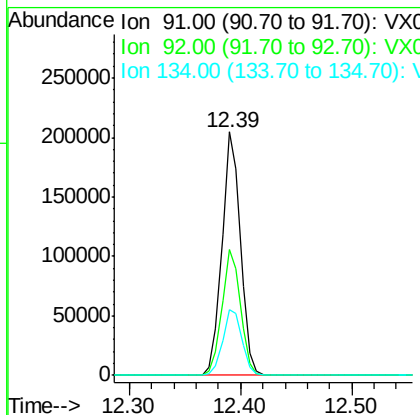
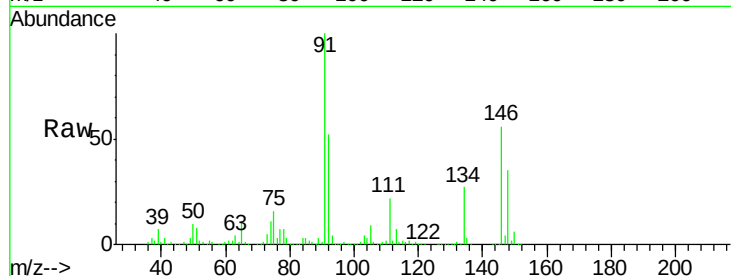
ClientSampleId :

VX0709WBS01

Tot Ion:	91	Resp:	235832
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.9	13.5	40.5

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#90

Hexachloroethane

Concen: 18.06 ug/l

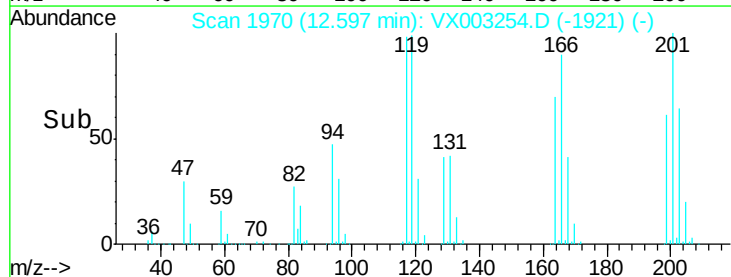
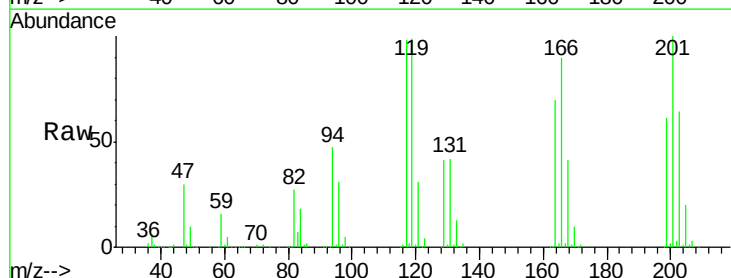
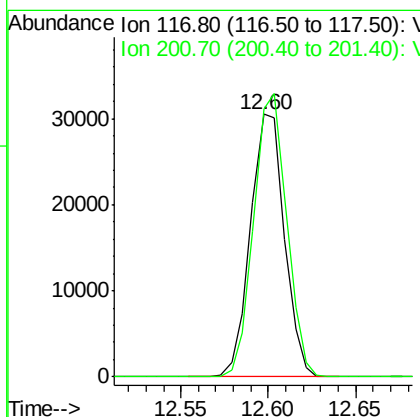
RT: 12.60 min Scan# 1970

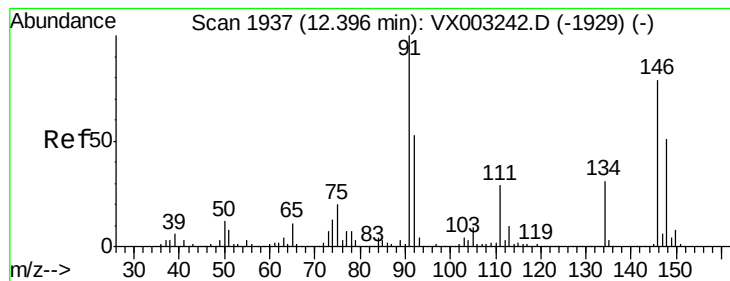
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	117	Resp:	41291
Ion	Ratio	Lower	Upper
117	100		
201	104.6	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 19.52 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 146 Resp: 173482

Ion Ratio Lower Upper

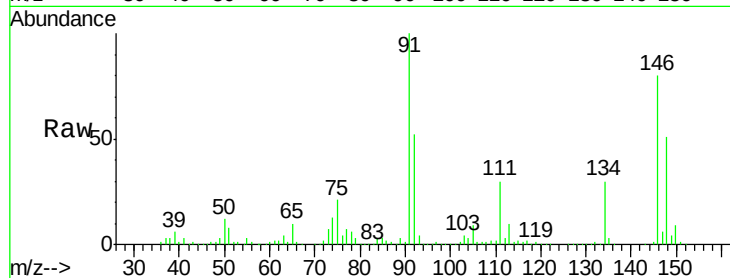
146 100

111 37.5 19.4 58.1

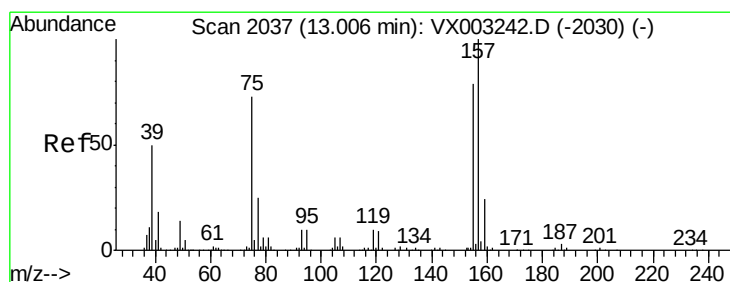
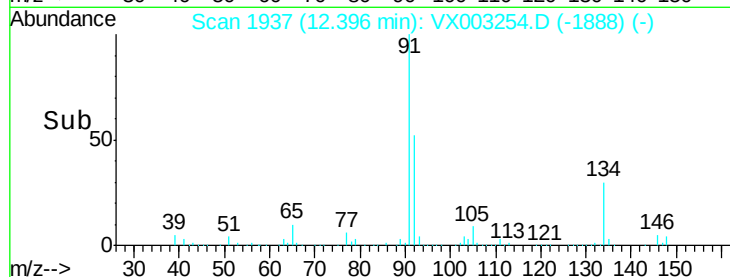
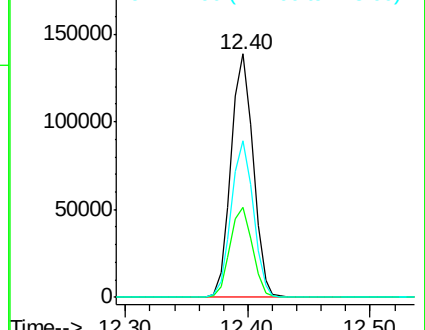
148 64.2 31.7 95.1

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.06 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

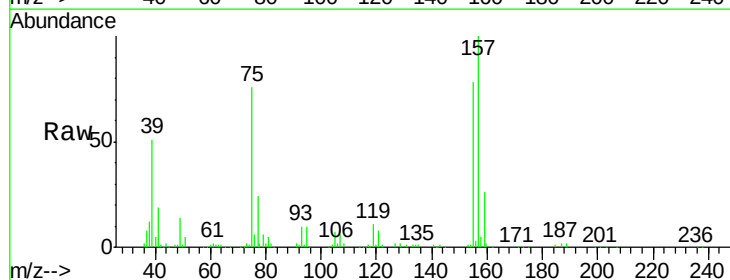
Tgt Ion: 75 Resp: 21206

Ion Ratio Lower Upper

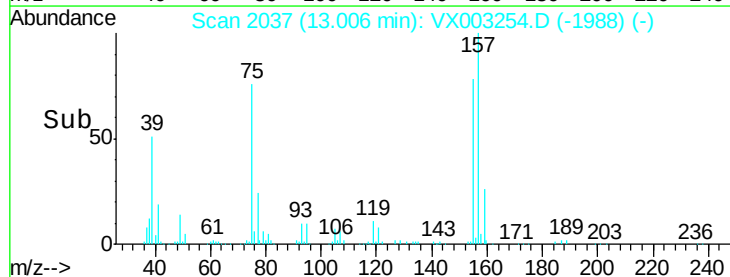
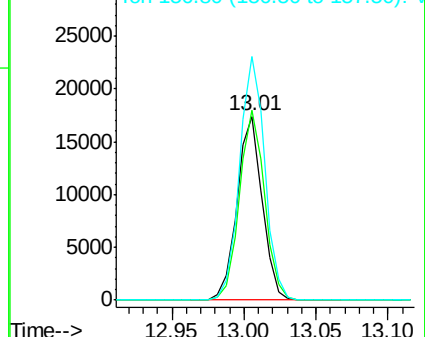
75 100

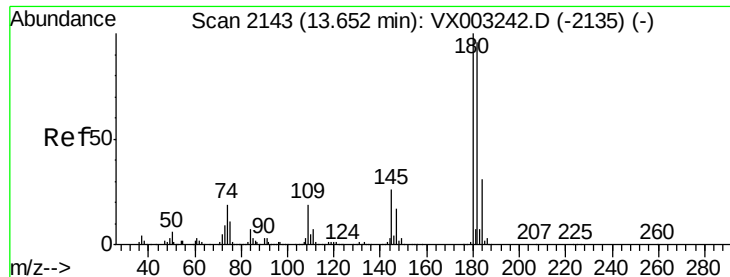
155 102.8 45.8 137.4

157 131.7 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





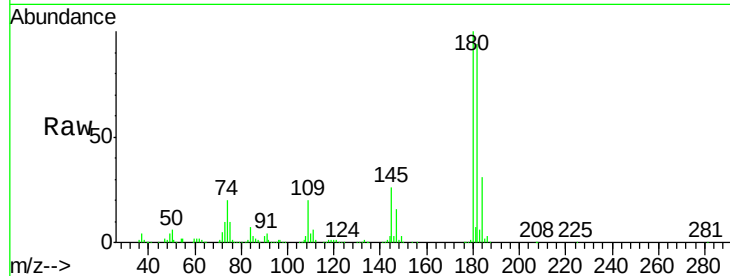
#93
 1,2,4-Trichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

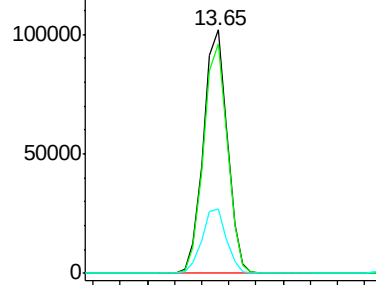
Tot Ion	Ratio	Resp	Lower	Upper
180	100	124716		
182	94.2	47.7	143.1	
145	27.2	14.1	42.4	

Manual Integrations
 APPROVED

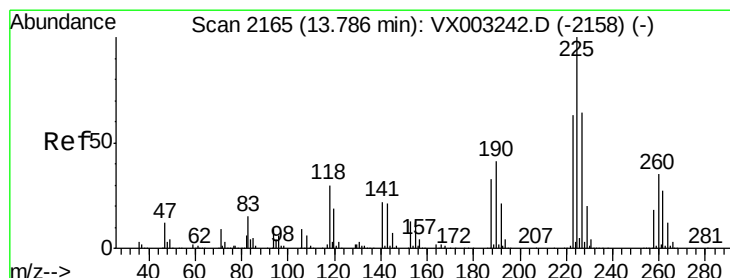
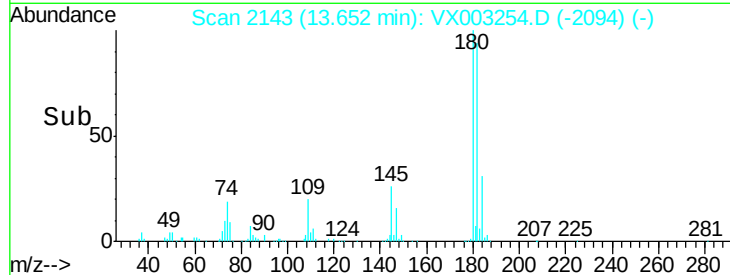
MMDadoda
 7/10/2018 3:11:50 PM



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

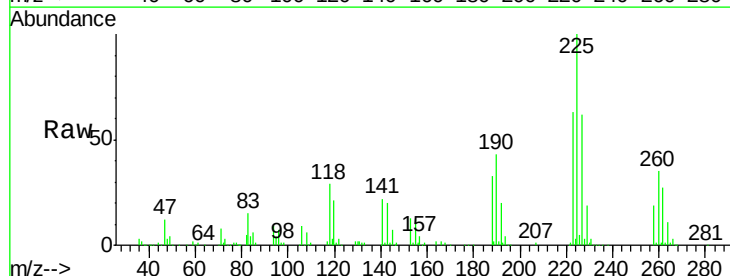


Time--> 13.60 13.70

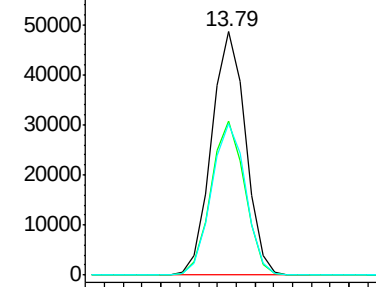


#94
 Hexachlorobutadiene
 Concen: 18.88 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

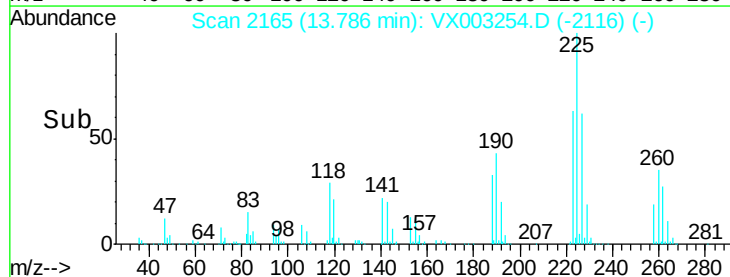
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60800		
223	63.0	31.6	95.0	
227	62.8	32.4	97.2	

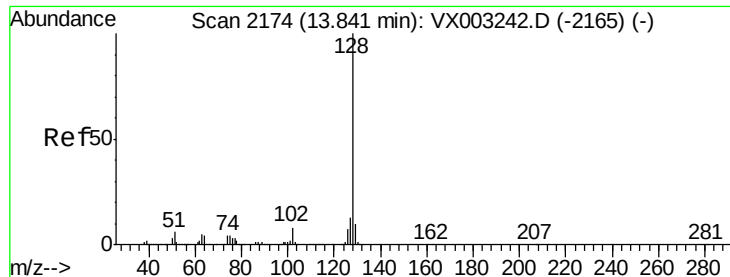


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time--> 13.75 13.80 13.85





#95

Naphthalene

Concen: 20.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

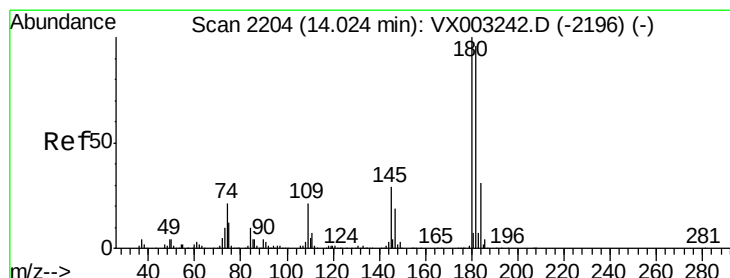
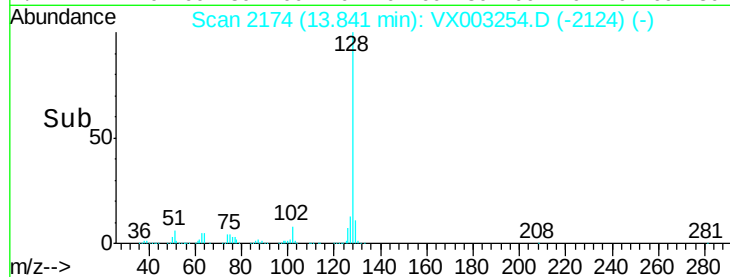
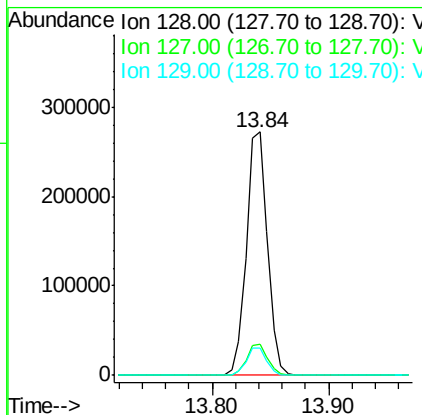
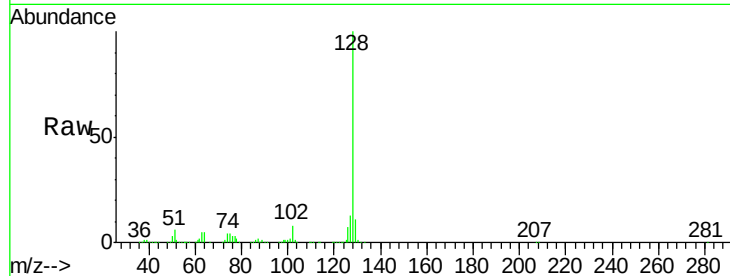
ClientSampleId :

VX0709WBS01

Tot Ion:	128	Resp:	344144
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion:	180	Resp:	128543
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.0
145	28.6	14.8	44.3

