

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001778.D
 Acq On : 16 May 2018 21:24
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:25 AM

Quant Time: May 17 04:38:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	192407	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	5.51	113	162045	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	8.72	98	607296	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	11.14	95	193168	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59711	20.86	ug/l	99
3) Chloromethane	1.32	50	67675	21.88	ug/l	100
4) Vinyl Chloride	1.40	62	71696	21.44	ug/l	100
5) Bromomethane	1.64	94	35681	23.69	ug/l	99
6) Chloroethane	1.72	64	47078	22.35	ug/l	98
7) Trichlorofluoromethane	1.93	101	101985	20.99	ug/l	98
8) Diethyl Ether	2.19	74	43129	21.57	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62770	21.46	ug/l	98
10) Methyl Iodide	2.51	142	69937	25.99	ug/l	99
11) Tert butyl alcohol	3.08	59	82181	121.05	ug/l	98
12) 1,1-Dichloroethene	2.37	96	58481	20.74	ug/l	99
13) Acrolein	2.30	56	46572	96.72	ug/l	97
14) Allyl chloride	2.73	41	112419	21.57	ug/l	97
15) Acrylonitrile	3.15	53	196075	114.99	ug/l	99
16) Acetone	2.45	43	176454	117.48	ug/l	99
17) Carbon Disulfide	2.57	76	136081	18.50	ug/l	98
18) Methyl Acetate	2.78	43	106198	24.19	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	206288	21.71	ug/l	98
20) Methylene Chloride	2.86	84	70900	22.05	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	63742	20.52	ug/l	98
22) Diisopropyl ether	3.88	45	214166	21.42	ug/l	99
23) Vinyl Acetate	3.83	43	704483	97.79	ug/l	100
24) 1,1-Dichloroethane	3.70	63	118842	21.67	ug/l	100
25) 2-Butanone	4.72	43	270416	117.60	ug/l	98
26) 2,2-Dichloropropane	4.59	77	78430	17.77	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	74735	21.14	ug/l	100
28) Bromochloromethane	5.03	49	58823	24.15	ug/l	99
29) Tetrahydrofuran	5.17	42	172583	115.14	ug/l	100
30) Chloroform	5.22	83	127914	22.21	ug/l	96
31) Cyclohexane	5.57	56	101700	21.16	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	107933	21.69	ug/l	98
36) 1,1-Dichloropropene	5.81	75	87070	20.46	ug/l	99
37) Ethyl Acetate	4.87	43	99648	22.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	96281	21.60	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001778.D
 Acq On : 16 May 2018 21:24
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:25 AM

Quant Time: May 17 04:38:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103642	20.84	ug/l	97
40) Benzene	6.15	78	279320	22.28	ug/l	98
41) Methacrylonitrile	5.07	41	57218	22.31	ug/l	99
42) 1,2-Dichloroethane	6.20	62	100077	22.07	ug/l	100
43) Isopropyl Acetate	6.48	43	147993	21.32	ug/l	99
44) Trichloroethene	7.22	130	83871	21.55	ug/l	98
45) 1,2-Dichloropropane	7.53	63	69731	22.66	ug/l	99
46) Dibromomethane	7.67	93	47441	21.96	ug/l	98
47) Bromodichloromethane	7.90	83	89278	22.27	ug/l	99
48) Methyl methacrylate	7.79	41	79976	21.89	ug/l	99
49) 1,4-Dioxane	7.76	88	37218	529.07	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	525517	119.47	ug/l	99
52) Toluene	8.79	92	181961	22.59	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	99021	20.99	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	86433	20.79	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	67320	21.86	ug/l	98
56) Ethyl methacrylate	9.19	69	90875	20.81	ug/l	99
57) 1,3-Dichloropropane	9.38	76	109528	21.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	250355	111.44	ug/l	99
59) 2-Hexanone	9.51	43	357583	113.56	ug/l	100
60) Dibromochloromethane	9.59	129	67817	21.50	ug/l	99
61) 1,2-Dibromoethane	9.68	107	69343	21.51	ug/l	100
64) Tetrachloroethene	9.34	164	92275	22.36	ug/l	98
65) Chlorobenzene	10.14	112	184569	21.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	68352	22.20	ug/l	100
67) Ethyl Benzene	10.26	91	294700	21.15	ug/l	99
68) m/p-Xylenes	10.37	106	238391	43.36	ug/l	98
69) o-Xylene	10.71	106	116835	22.19	ug/l	98
70) Styrene	10.72	104	190471	21.93	ug/l	100
71) Bromoform	10.87	173	52895	20.30	ug/l	99
73) Isopropylbenzene	11.02	105	312986	23.70	ug/l	100
74) N-amyl acetate	6.48	43	147993	23.38	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	92548	23.36	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	90470m	23.73	ug/l	
77) Bromobenzene	11.26	156	89274	23.01	ug/l	99
78) n-propylbenzene	11.37	91	334969	22.52	ug/l	100
79) 2-Chlorotoluene	11.43	91	207616	23.34	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	256902	23.72	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22116	19.45	ug/l	92
82) 4-Chlorotoluene	11.52	91	235170	22.44	ug/l	100
83) tert-Butylbenzene	11.77	119	248229	23.03	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	264835	23.61	ug/l	99
85) sec-Butylbenzene	11.95	105	306510	23.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	277258	22.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	156794	21.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	158276	21.33	ug/l	99
89) n-Butylbenzene	12.40	91	210605	19.78	ug/l	99
90) Hexachloroethane	12.60	117	43088	22.53	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162014	22.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19183	22.69	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
Data File : VX001778.D
Acq On : 16 May 2018 21:24
Operator : JC/MD
Sample : VX0516WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

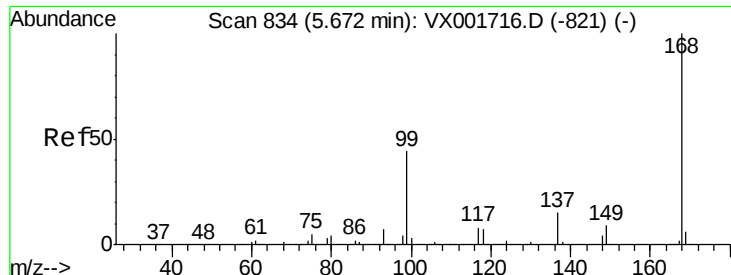
Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM

Quant Time: May 17 04:38:23 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	111058	19.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	61781	20.19	ug/l	99
95) Naphthalene	13.84	128	325744	21.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	119717	20.86	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:168 Resp: 285289

Ion Ratio Lower Upper

168 100

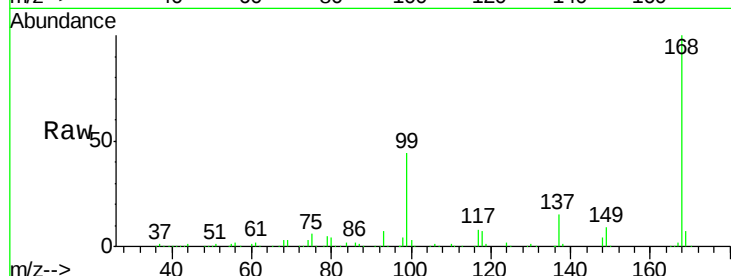
99 44.0 35.0 52.4

Manual Integrations

APPROVED

MMDadoda

5/17/2018 9:32:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

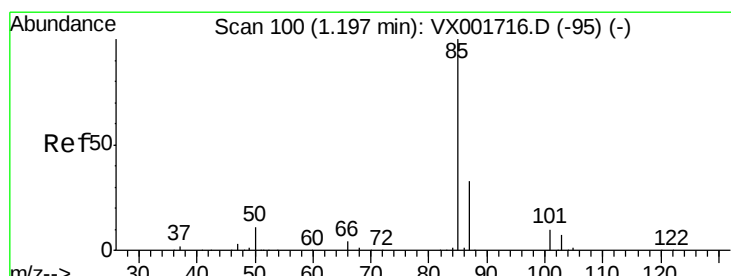
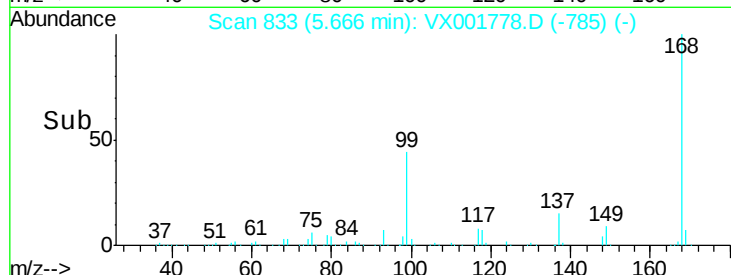
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001778.D

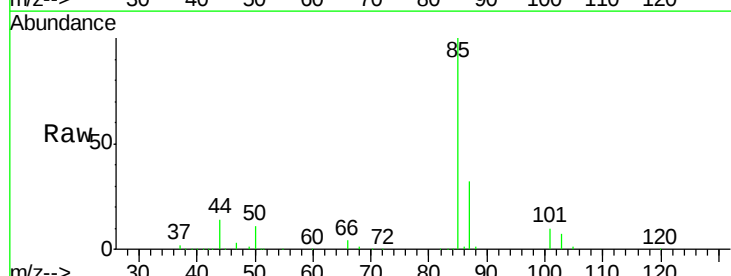
Acq: 16 May 2018 21:24

Tgt Ion: 85 Resp: 59711

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

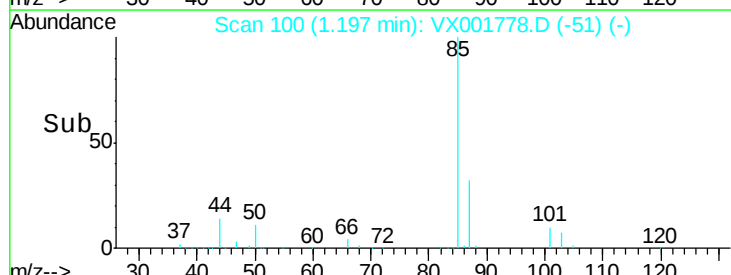
40000

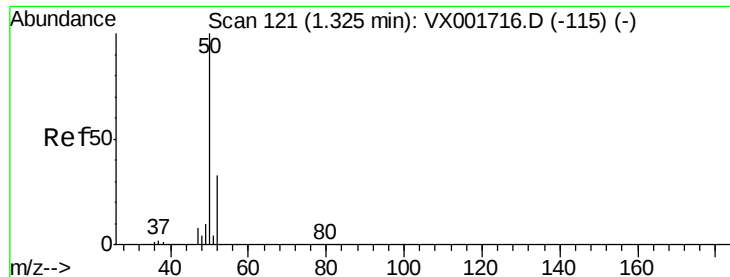
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 50 Resp: 67675

Ion Ratio Lower Upper

50 100

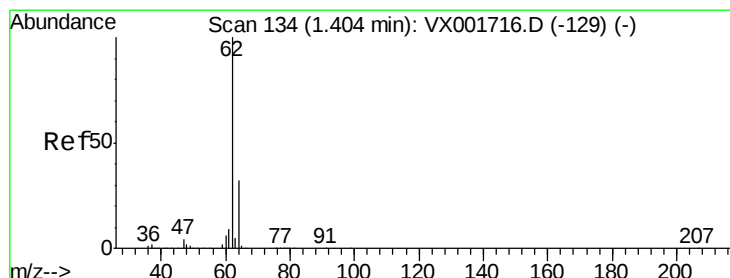
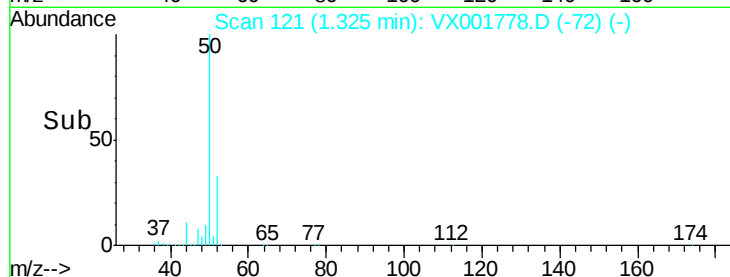
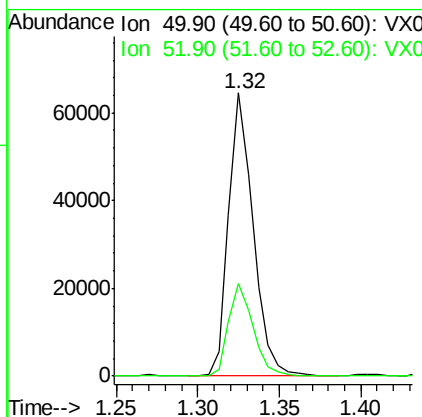
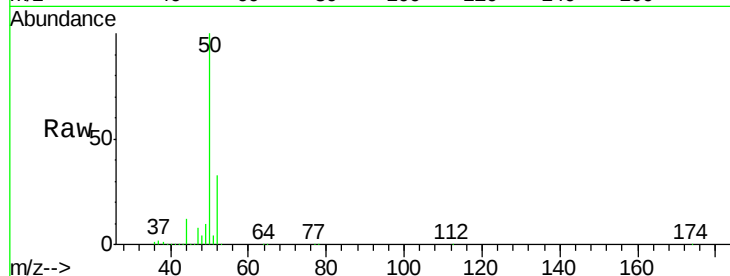
52 32.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#4

Vinyl Chloride

Concen: 21.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001778.D

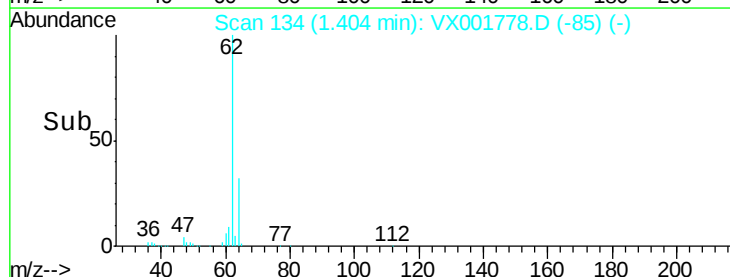
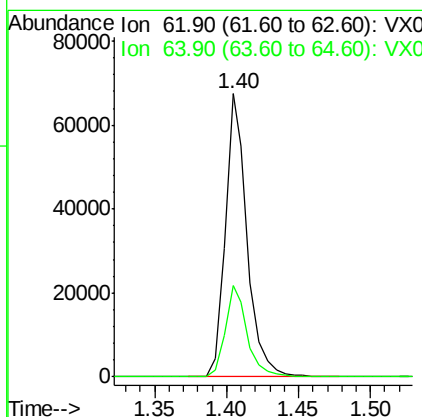
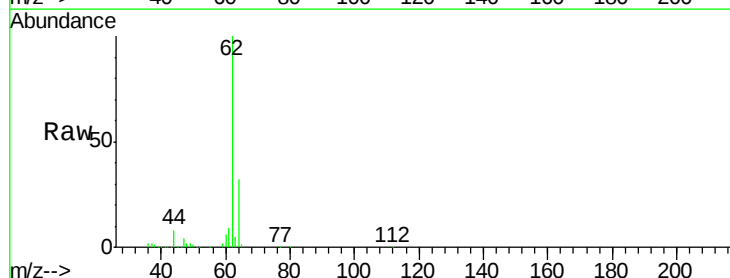
Acq: 16 May 2018 21:24

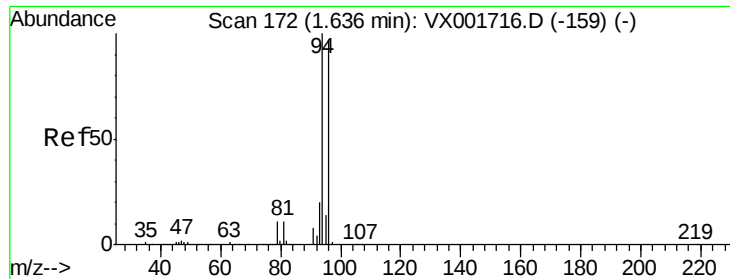
Tgt Ion: 62 Resp: 71696

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 23.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 94 Resp: 35681

Ion Ratio Lower Upper

94 100

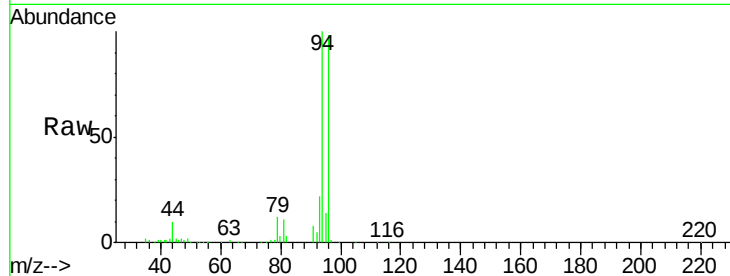
96 97.7 77.4 116.0

Manual Integrations

APPROVED

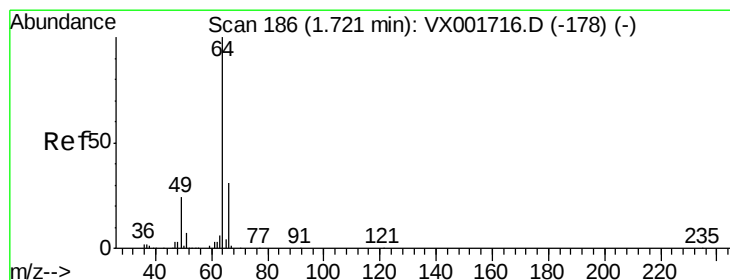
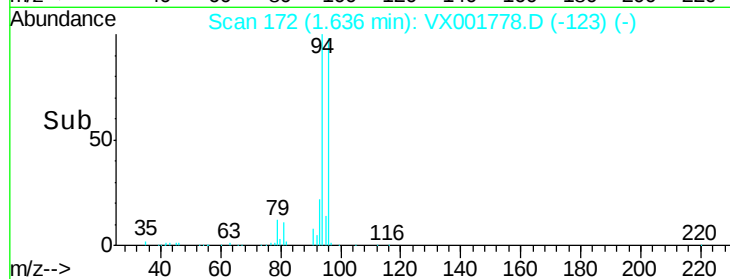
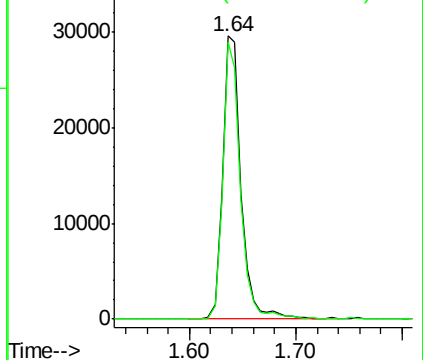
MMDadoda

5/17/2018 9:32:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.35 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001778.D

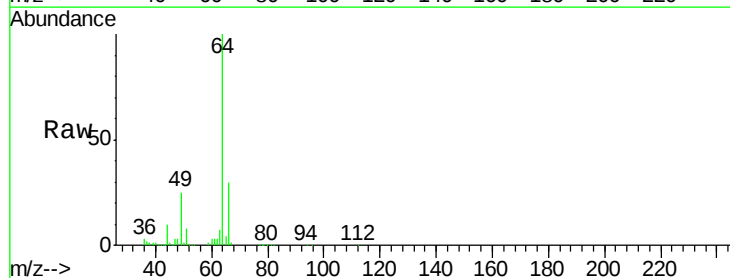
Acq: 16 May 2018 21:24

Tgt Ion: 64 Resp: 47078

Ion Ratio Lower Upper

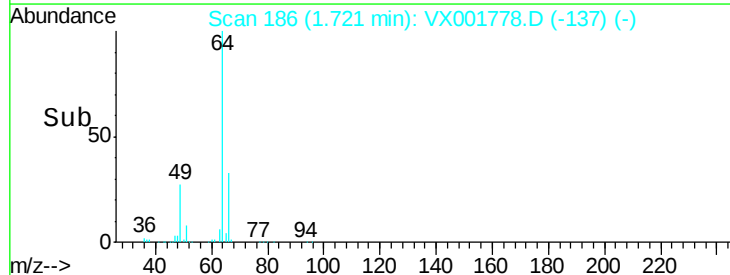
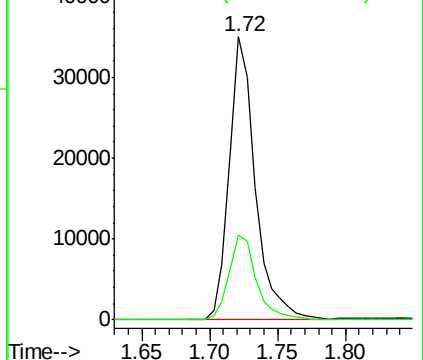
64 100

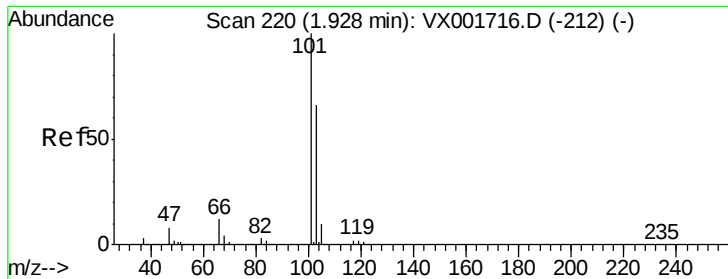
66 30.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

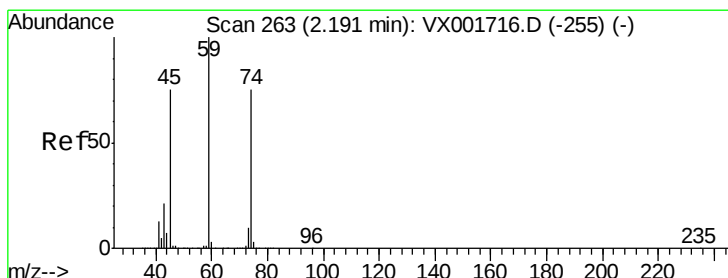
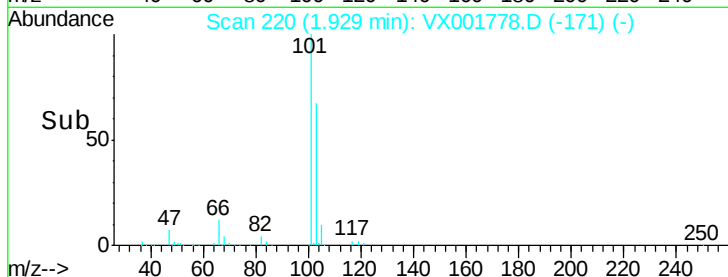
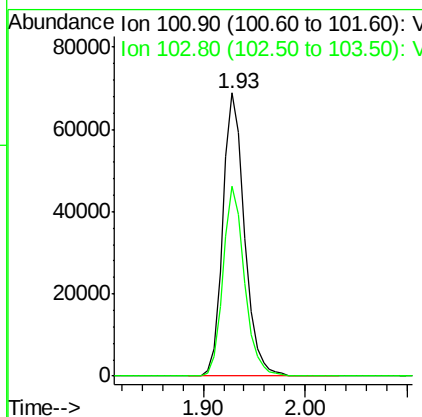
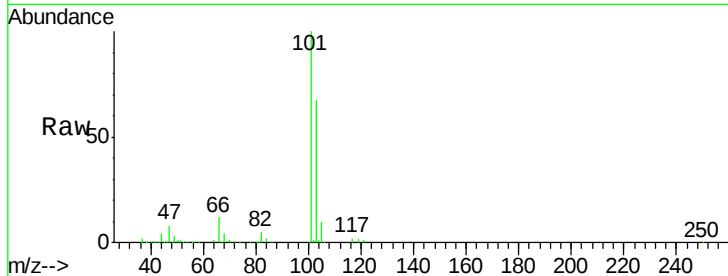
Trichlorofluoromethane
Concen: 20.99 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	101985		
103	67.2	52.6	78.8	

Manual Integrations
APPROVED

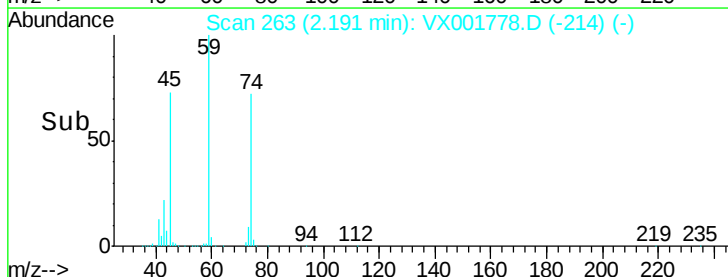
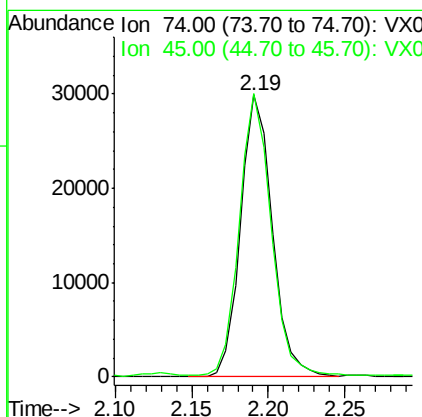
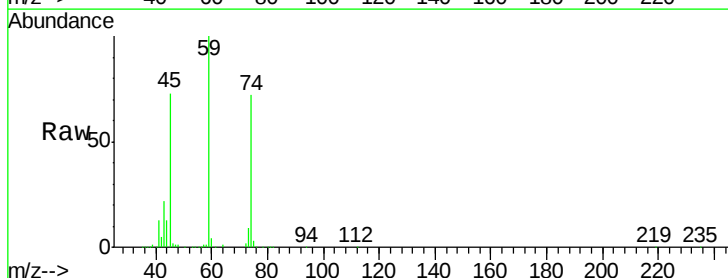
MMDadoda
5/17/2018 9:32:25 AM

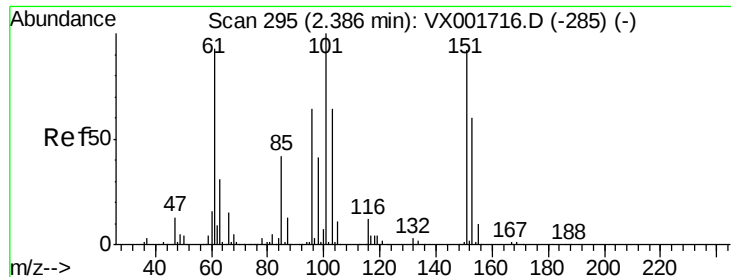


#8

Diethyl Ether
Concen: 21.57 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43129		
45	99.7	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.46 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:101 Resp: 62770

Ion Ratio Lower Upper

101 100

85 40.1 33.7 50.5

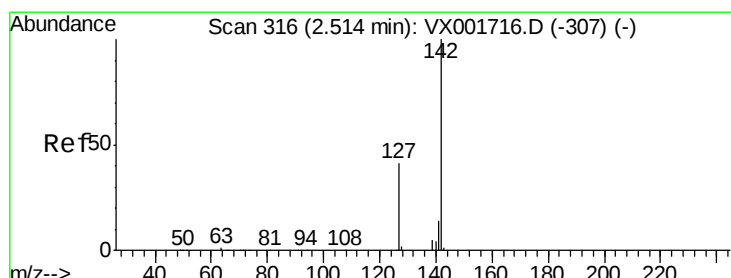
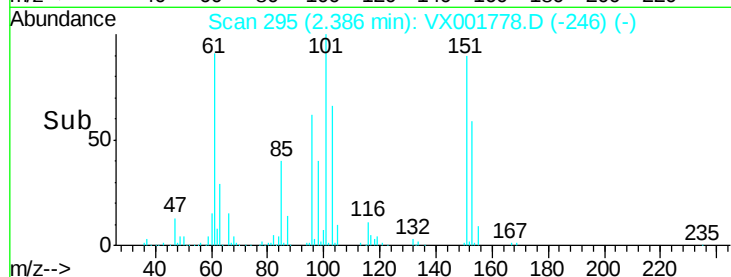
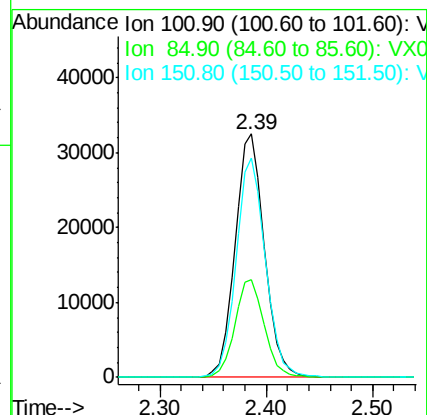
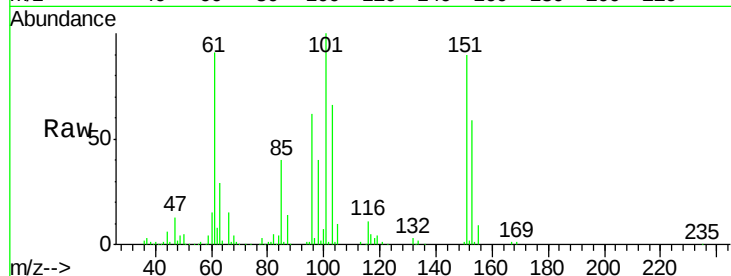
151 90.2 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#10

Methyl Iodide

Concen: 25.99 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

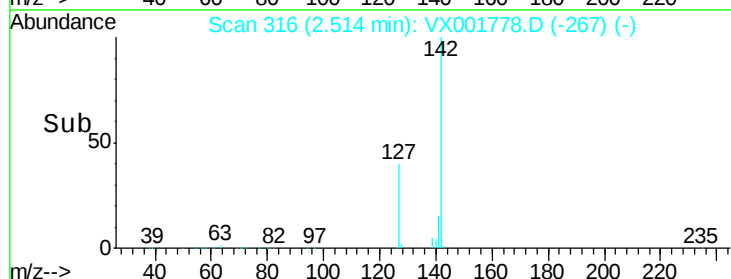
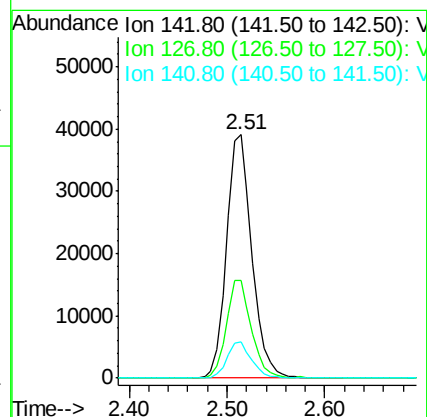
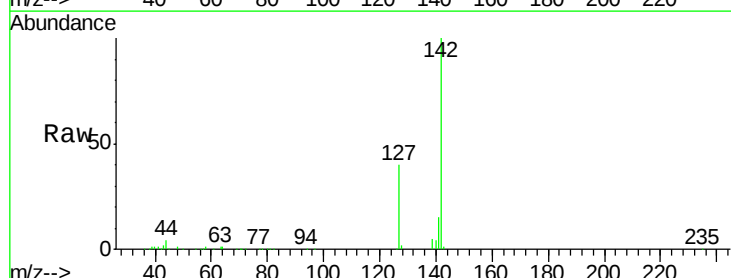
Tgt Ion:142 Resp: 69937

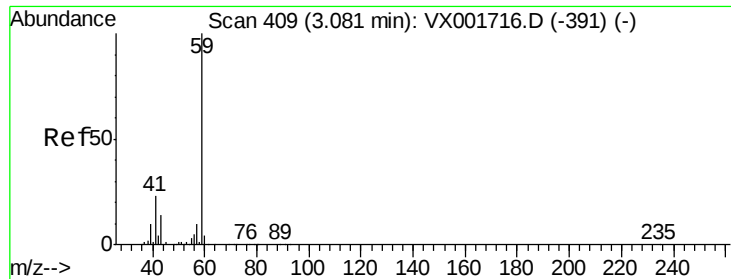
Ion Ratio Lower Upper

142 100

127 39.8 32.5 48.7

141 14.4 11.4 17.0





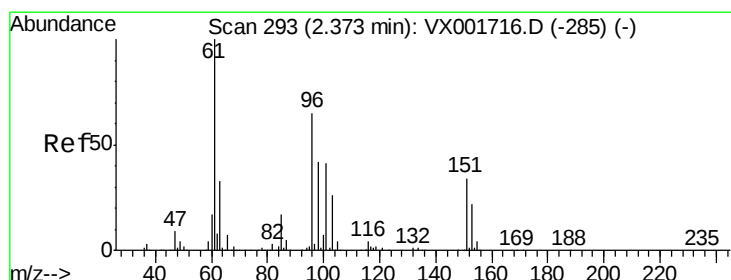
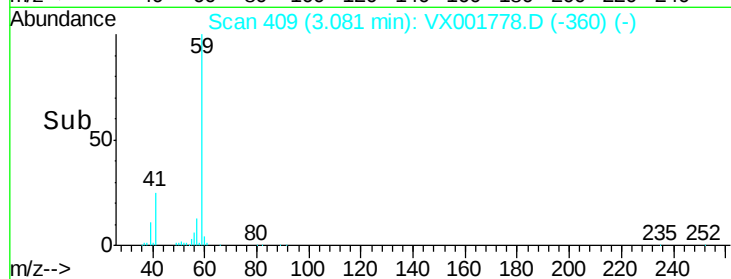
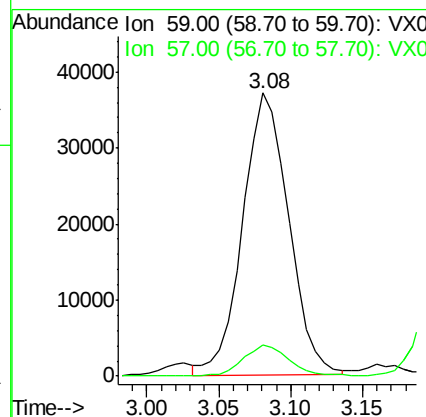
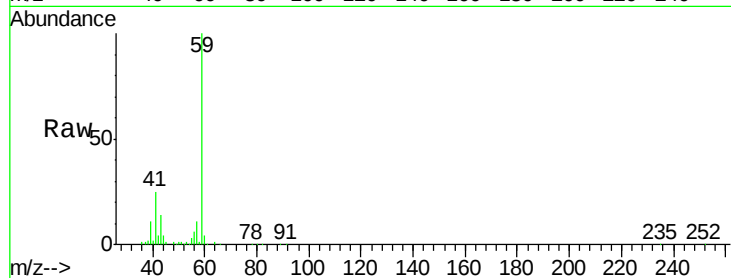
#11
Tert butyl alcohol
Concen: 121.05 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.5	12.7

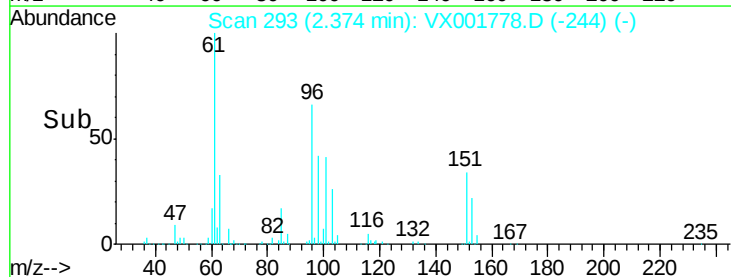
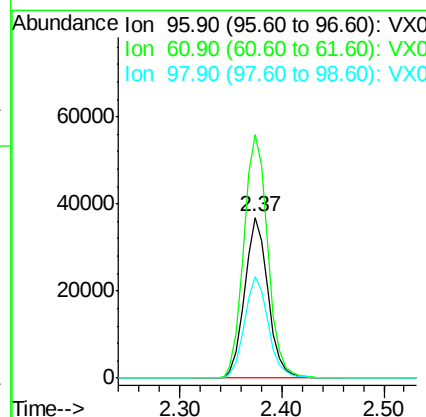
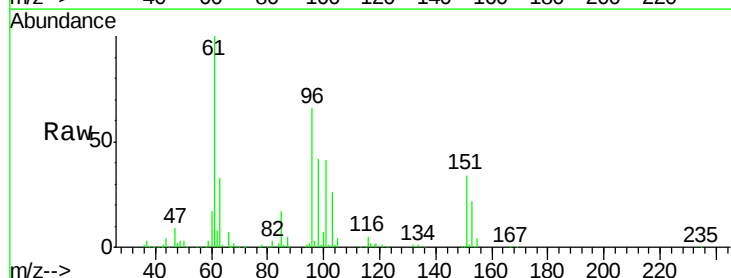
Manual Integrations
APPROVED

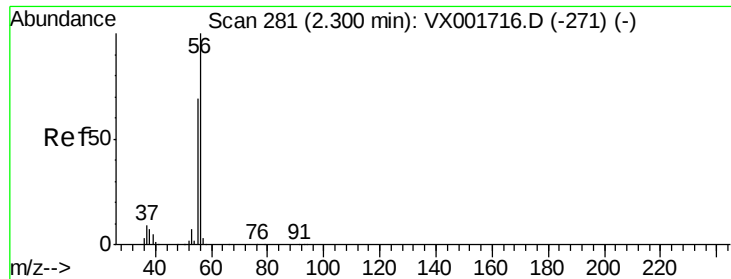
MMDadoda
5/17/2018 9:32:25 AM



#12
1,1-Dichloroethene
Concen: 20.74 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	122.2	183.2
98	63.4	51.4	77.0





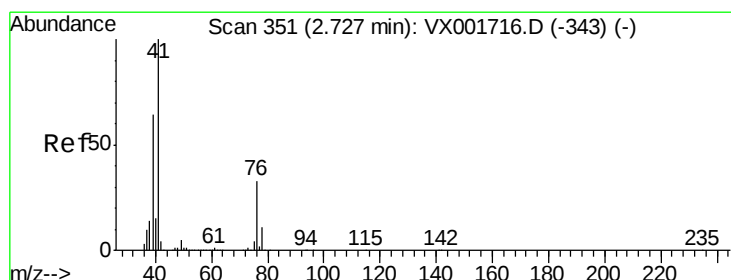
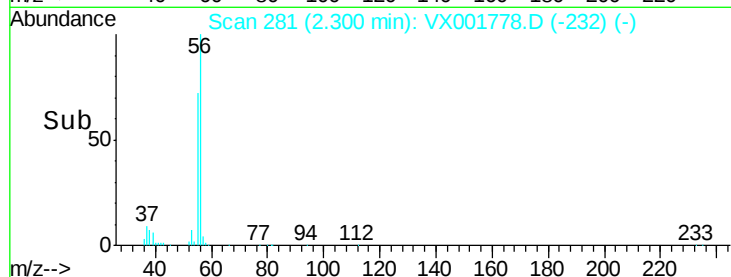
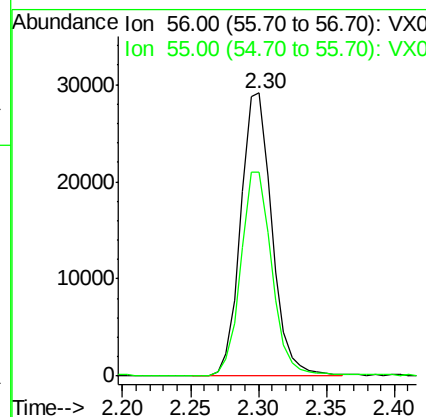
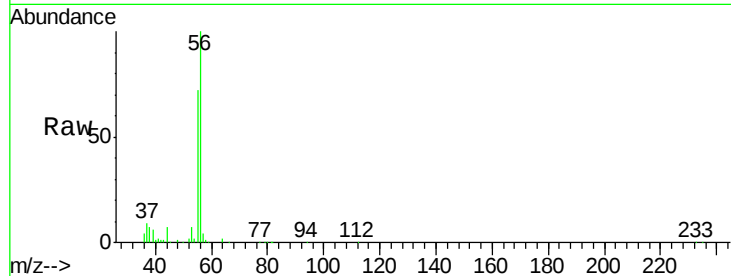
#13
Acrolein
Concen: 96.72 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	56	Resp	46572
Ion Ratio	100	Lower	Upper
55	73.0	56.2	84.2

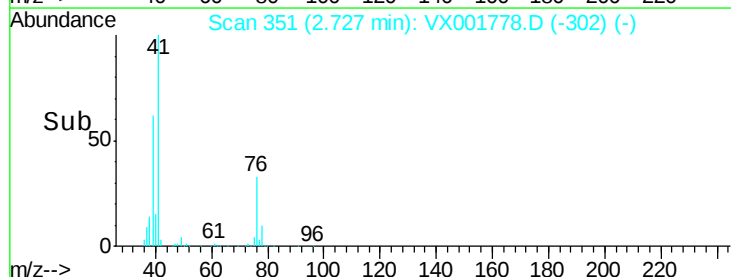
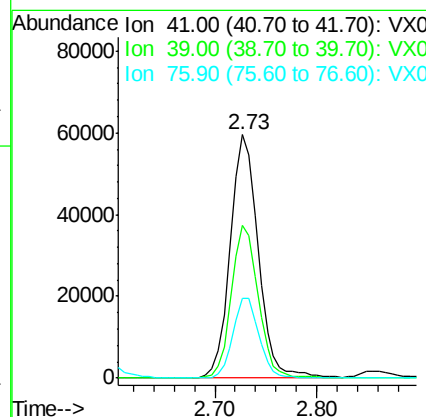
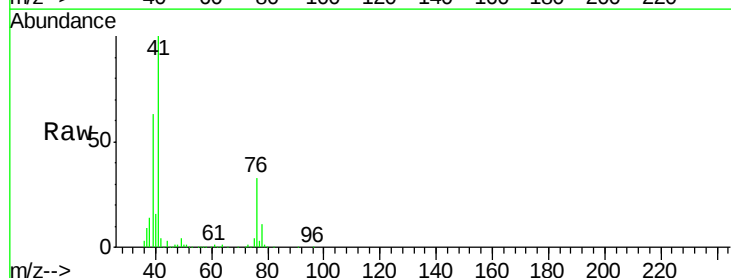
Manual Integrations
APPROVED

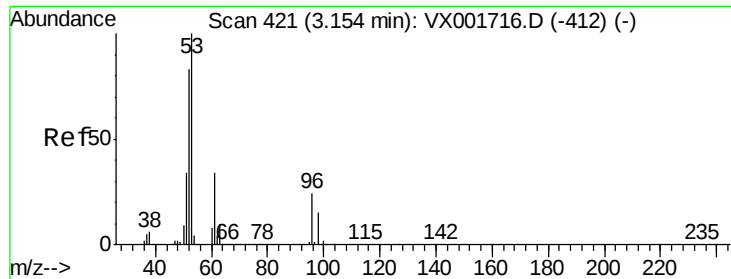
MMDadoda
5/17/2018 9:32:25 AM



#14
Allyl chloride
Concen: 21.57 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	41	Resp	112419
Ion Ratio	100	Lower	Upper
39	60.3	49.8	74.6
76	30.9	25.8	38.8





#15

Acrylonitrile

Concen: 114.99 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

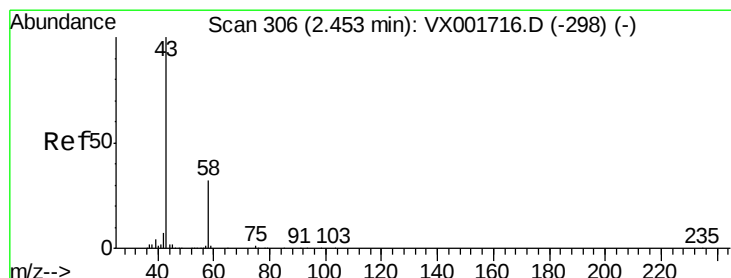
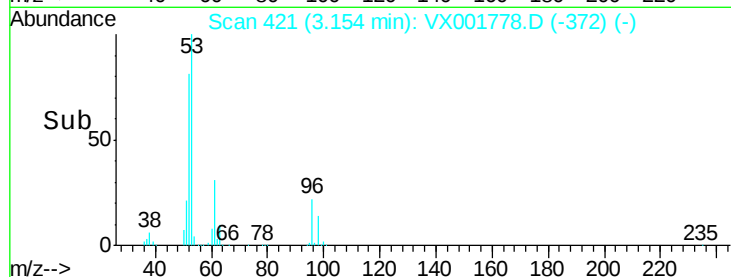
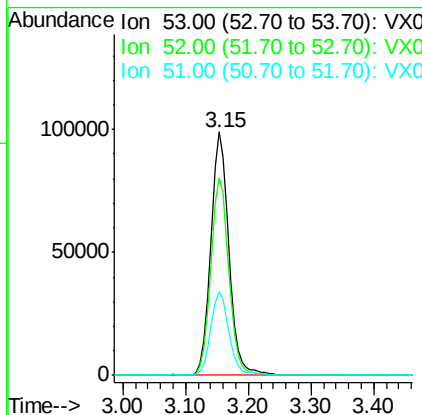
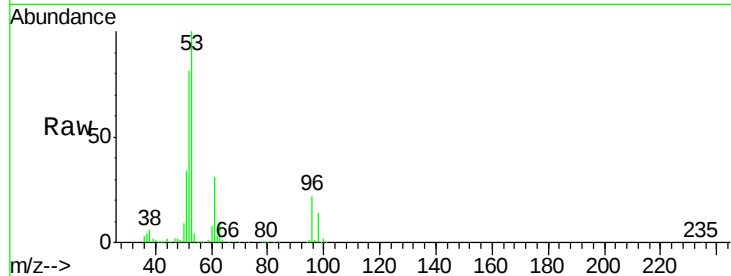
ClientSampleId :

VX0516WBS01

Tot Ion:	53	Resp:	196075
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.6	98.4
51	35.3	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#16

Acetone

Concen: 117.48 ug/l

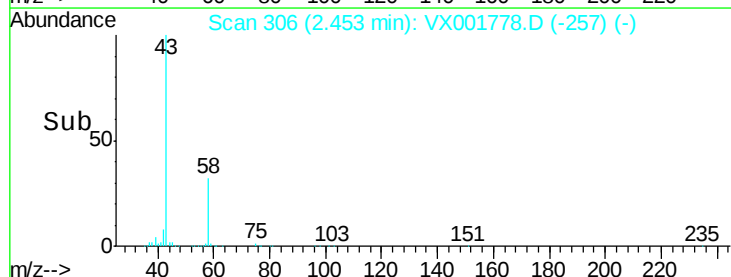
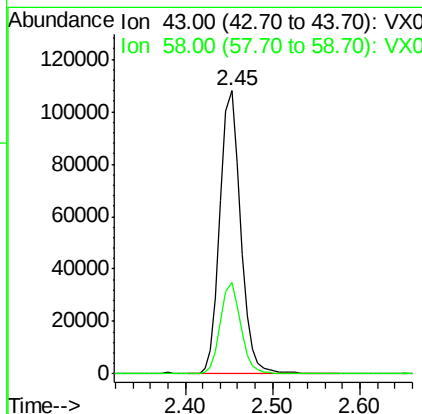
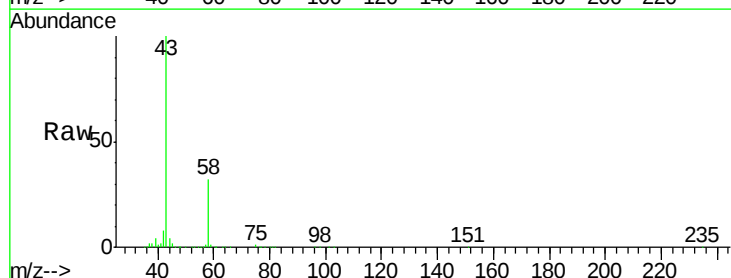
RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	43	Resp:	176454
Ion Ratio		Lower	Upper
43	100		
58	32.3	25.3	37.9





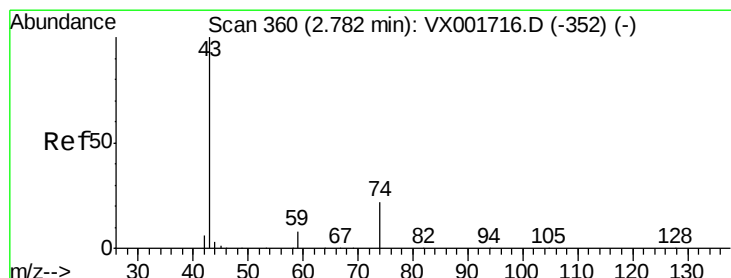
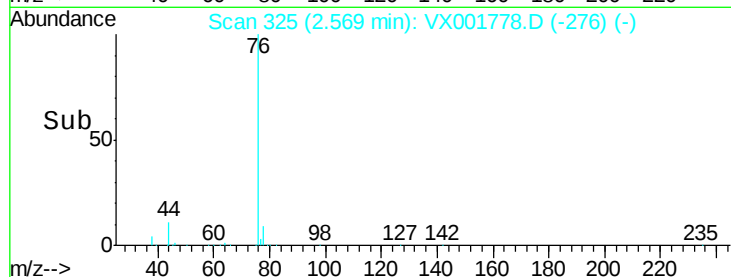
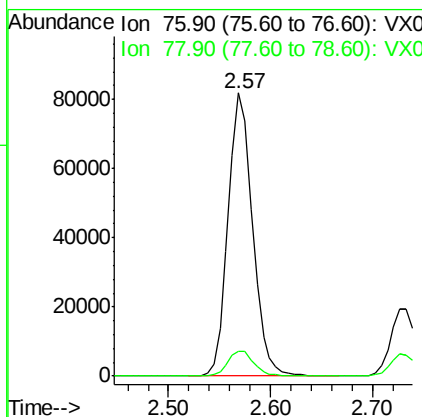
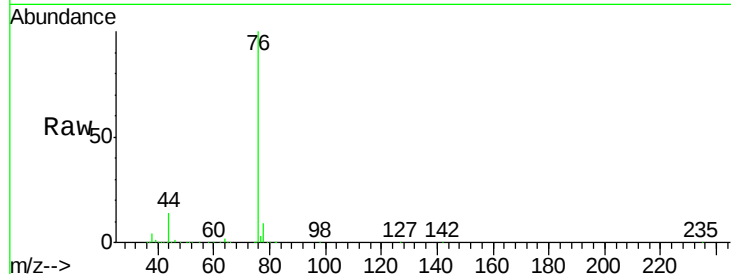
#17
Carbon Disulfide
Concen: 18.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4

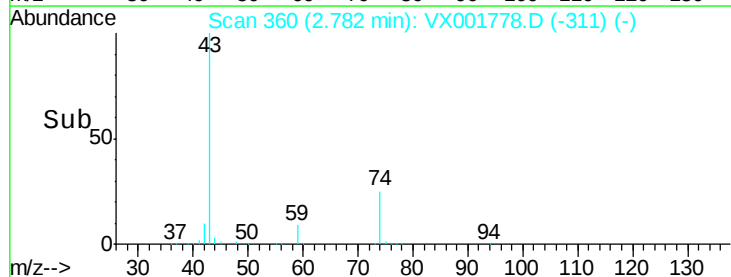
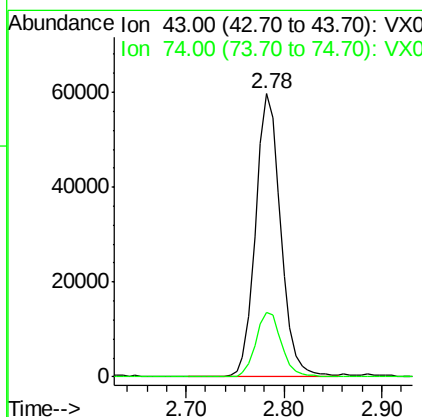
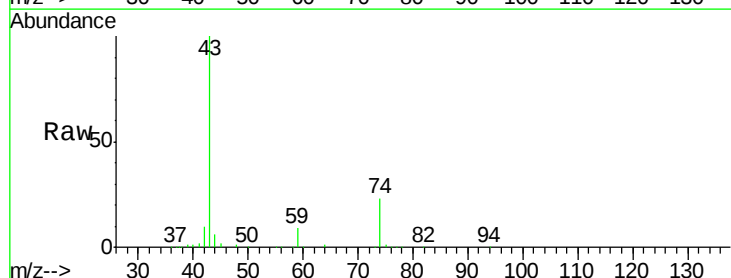
Manual Integrations
APPROVED

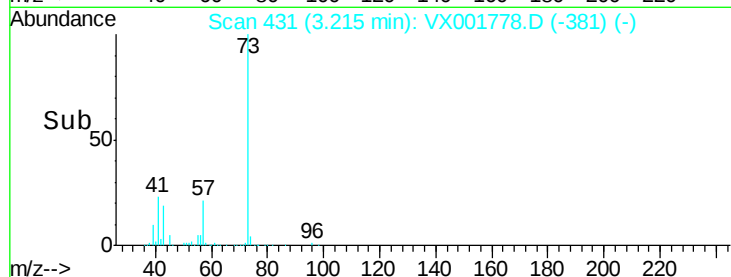
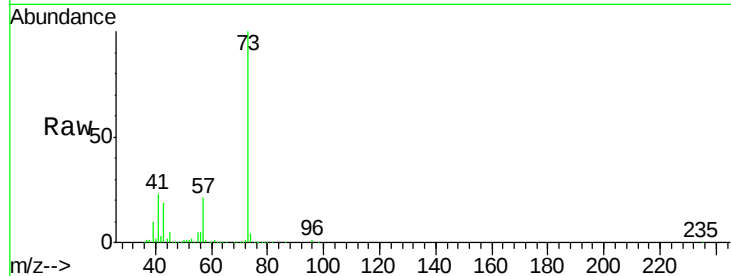
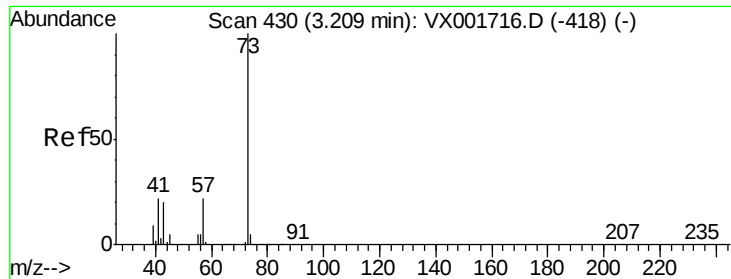
MMDadoda
5/17/2018 9:32:25 AM



#18
Methyl Acetate
Concen: 24.19 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.2	27.2





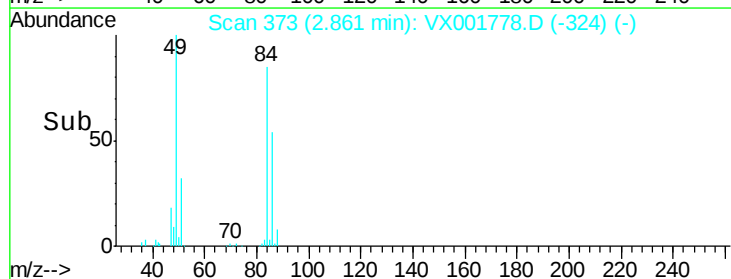
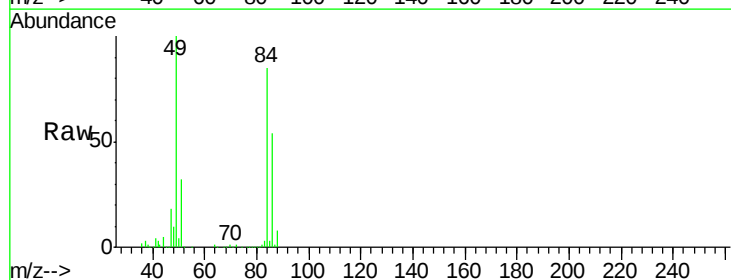
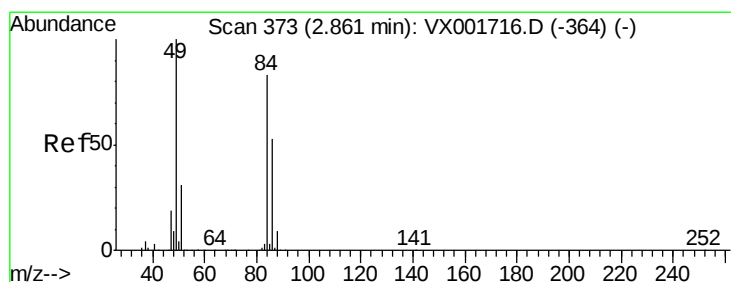
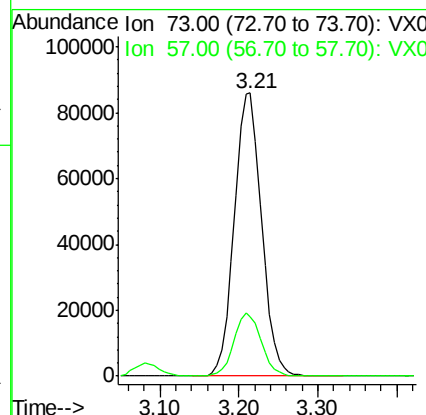
#19
Methvl tert-butvl Ether
Concen: 21.71 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tot Ion: 73 Resp: 206288
Ion Ratio Lower Upper
73 100
57 21.0 17.5 26.3

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

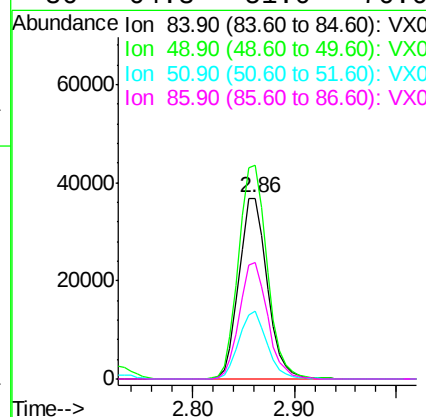
Manual Integrations
APPROVED

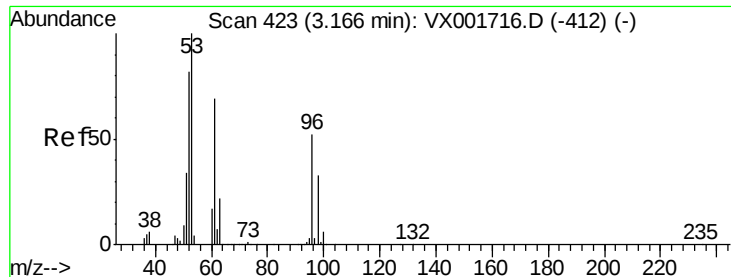
MMDadoda
5/17/2018 9:32:25 AM



#20
Methylene Chloride
Concen: 22.05 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion: 84 Resp: 70900
Ion Ratio Lower Upper
84 100
49 118.3 96.3 144.5
51 37.7 29.8 44.6
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.52 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

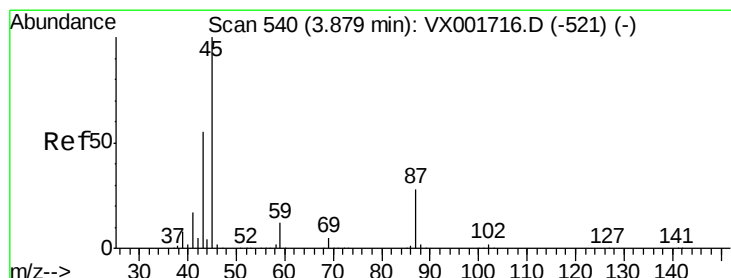
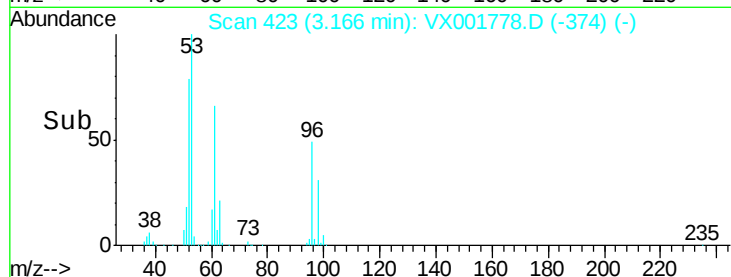
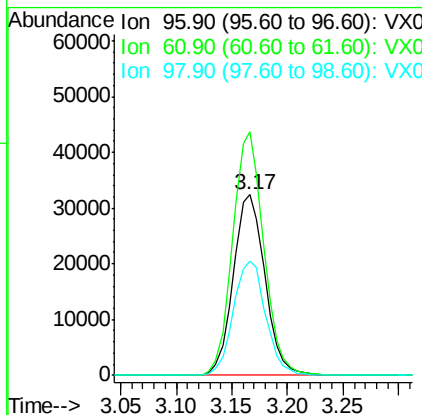
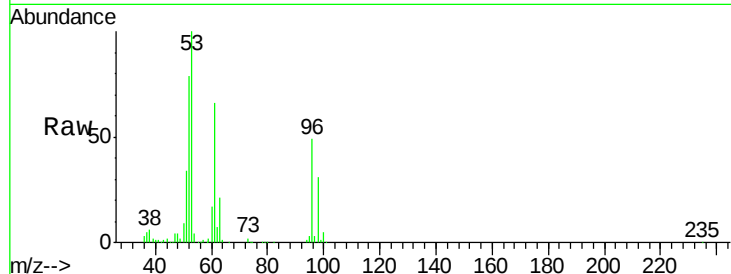
ClientSampleId :

VX0516WBS01

Tot Ion:	96	Resp:	63742
Ion	Ratio	Lower	Upper
96	100		
61	134.9	105.8	158.8
98	63.3	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#22

Diisopropyl ether

Concen: 21.42 ug/l

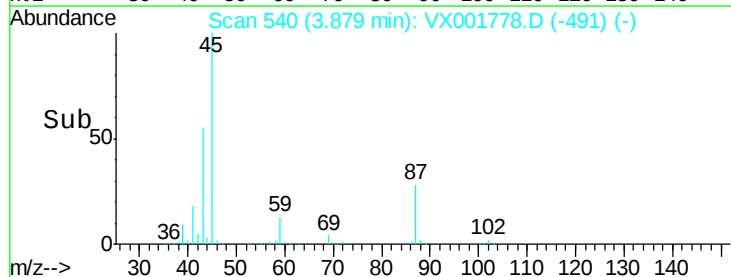
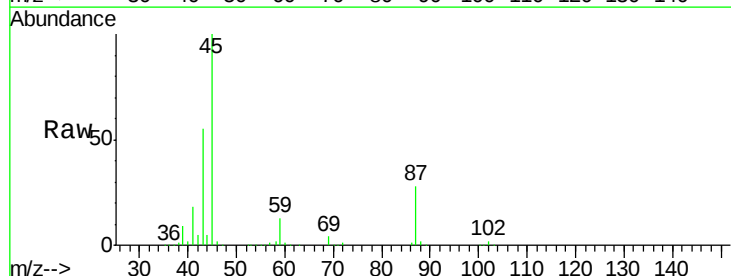
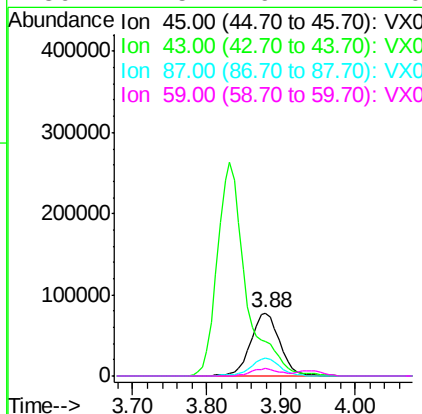
RT: 3.88 min Scan# 540

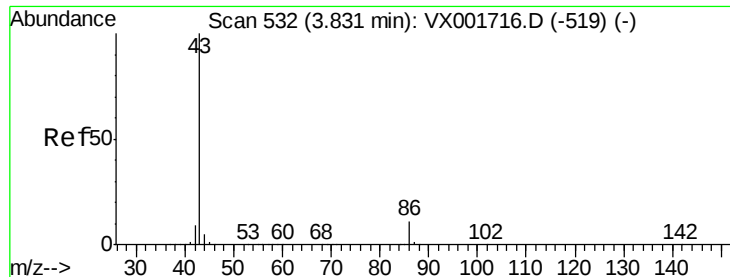
Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	45	Resp:	214166
Ion	Ratio	Lower	Upper
45	100		
43	54.2	44.3	66.5
87	27.7	22.6	33.8
59	12.5	9.4	14.0





#23

Vinyl Acetate

Concen: 97.79 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 43 Resp: 704483

Ion Ratio Lower Upper

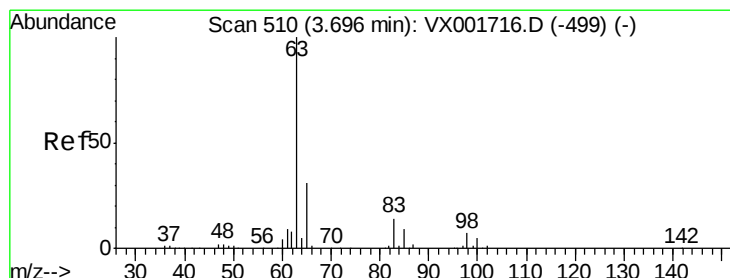
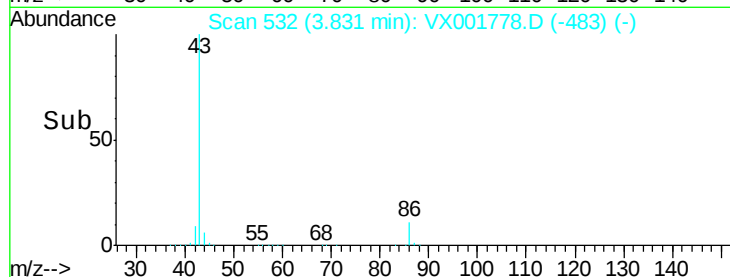
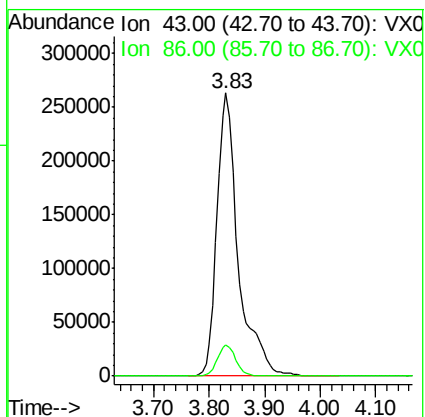
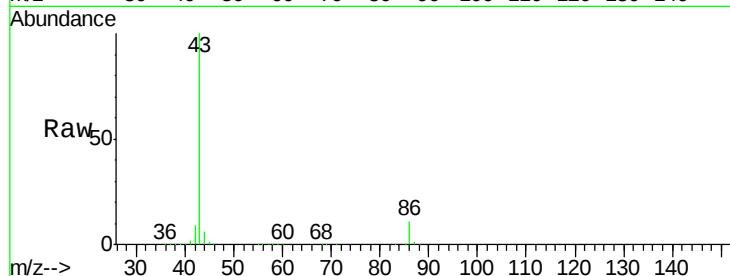
43 100

86 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#24

1,1-Dichloroethane

Concen: 21.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

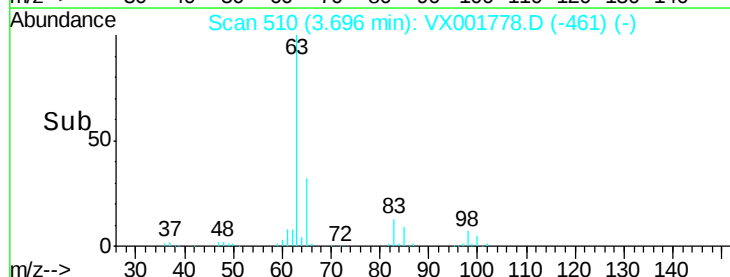
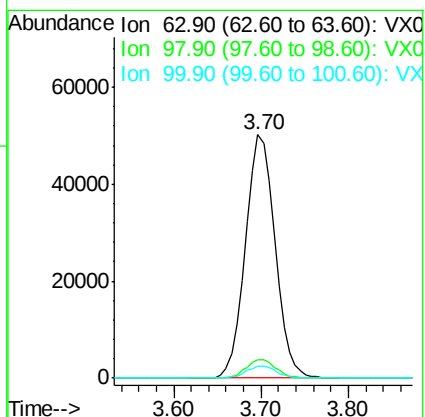
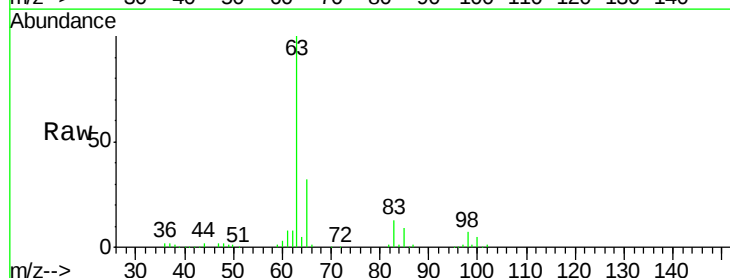
Tgt Ion: 63 Resp: 118842

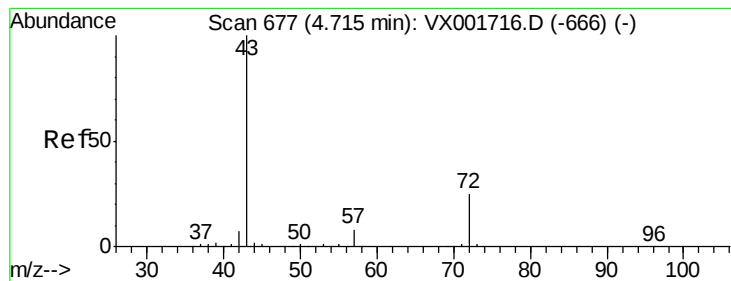
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 117.60 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 43 Resp: 270416

Ion Ratio Lower Upper

43 100

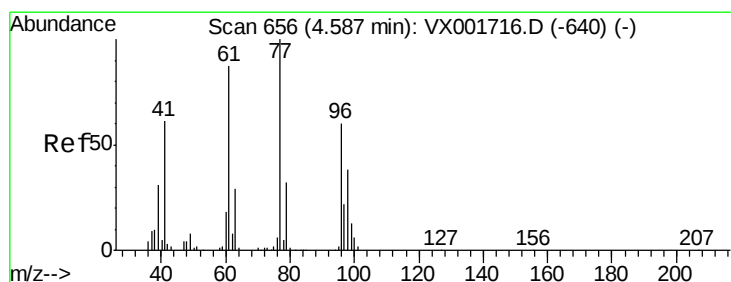
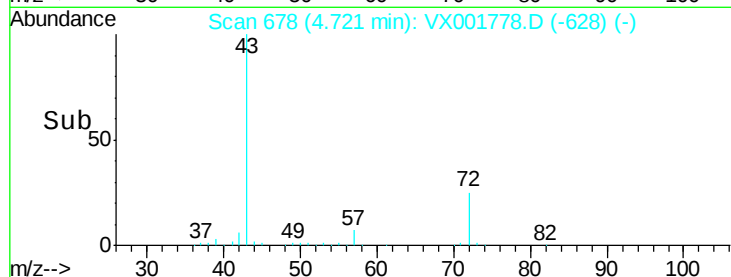
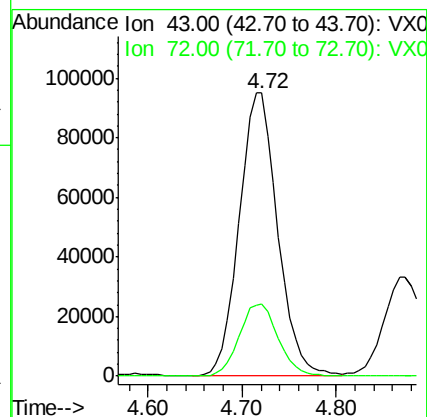
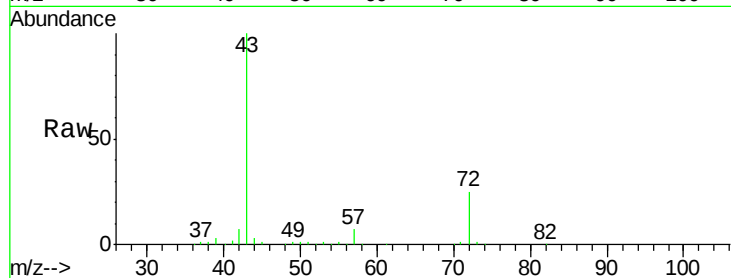
72 25.5 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#26

2,2-Dichloropropane

Concen: 17.77 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001778.D

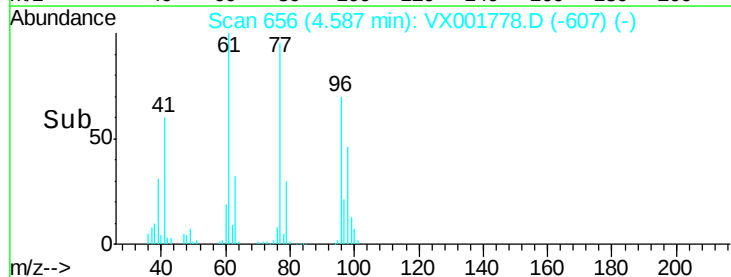
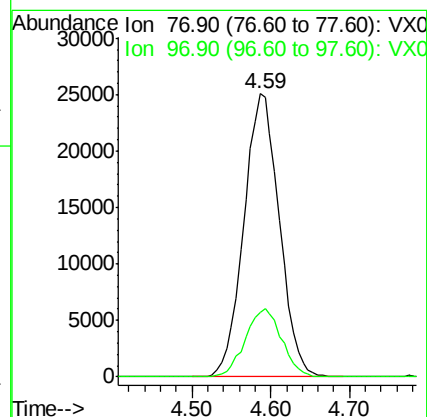
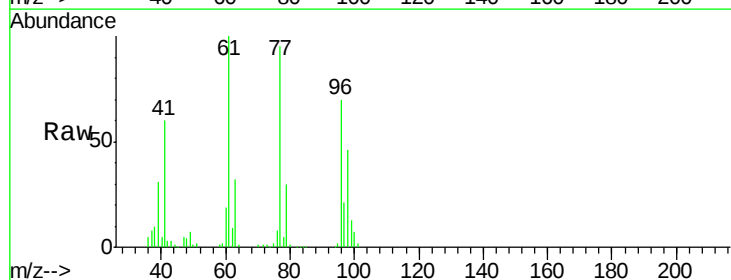
Acq: 16 May 2018 21:24

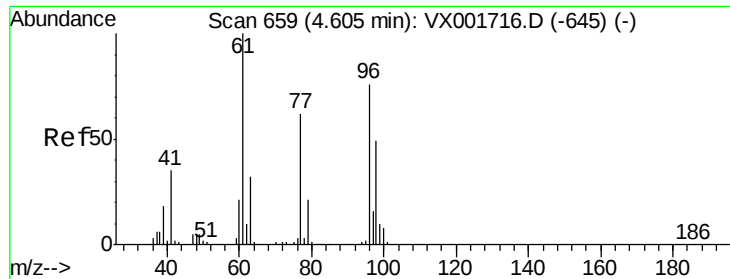
Tgt Ion: 77 Resp: 78430

Ion Ratio Lower Upper

77 100

97 24.6 11.6 34.8





#27

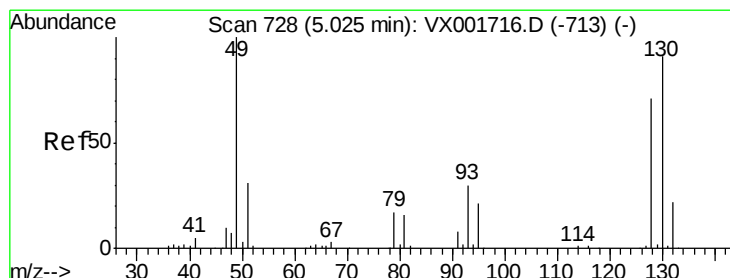
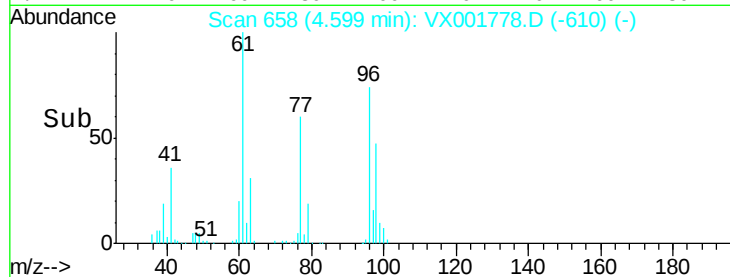
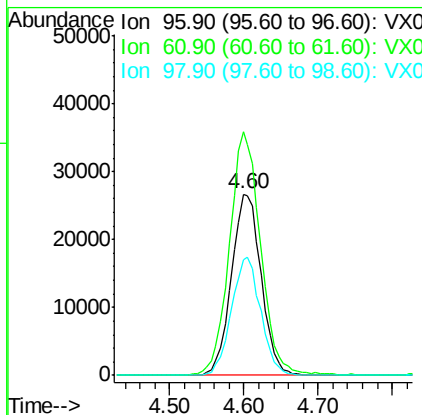
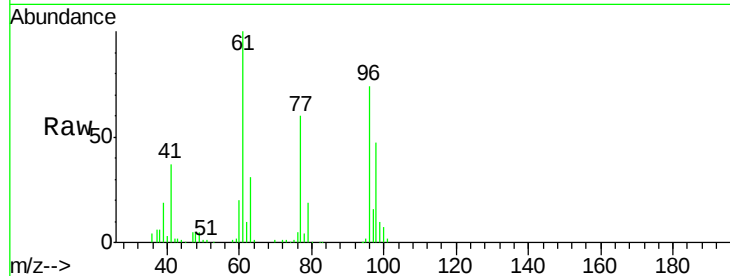
cis-1,2-Dichloroethene
Concen: 21.14 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	280.4
98	64.0	0.0	128.4

Manual Integrations
APPROVED

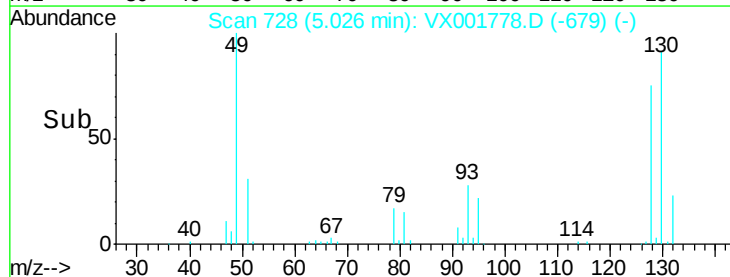
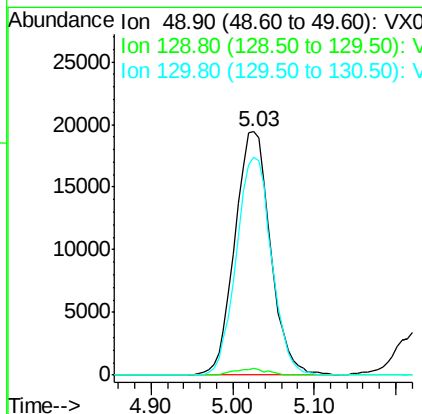
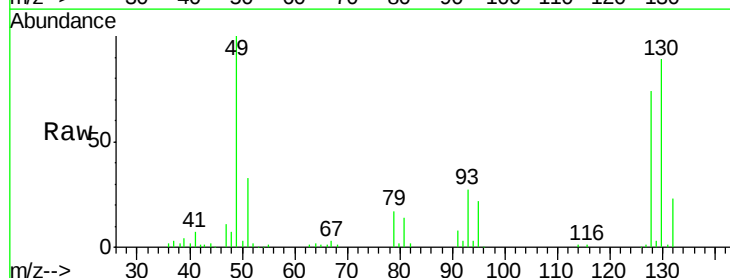
MMDadoda
5/17/2018 9:32:25 AM

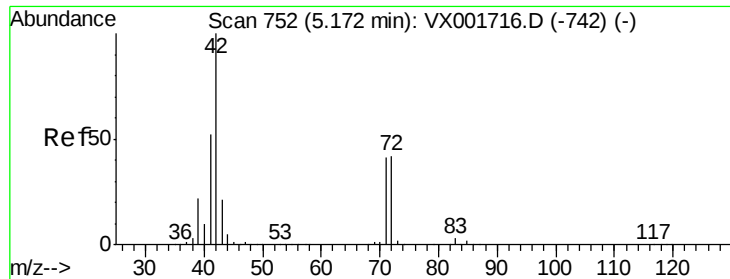


#28

Bromochloromethane
Concen: 24.15 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	88.5	71.8	107.6





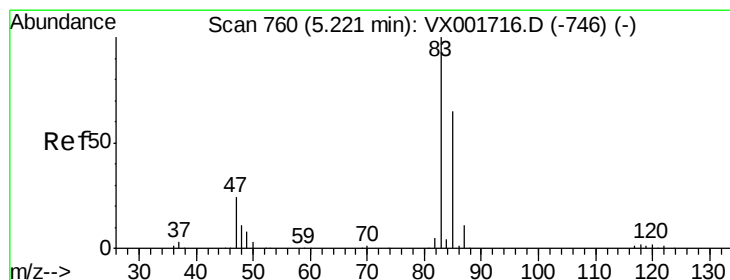
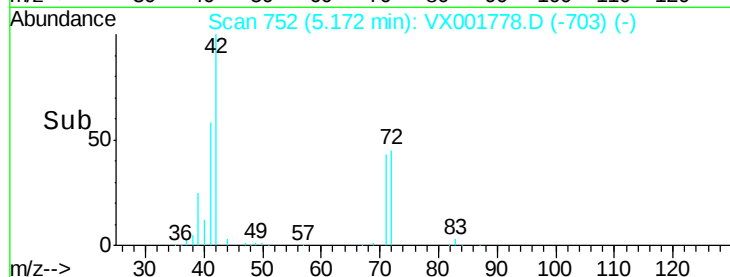
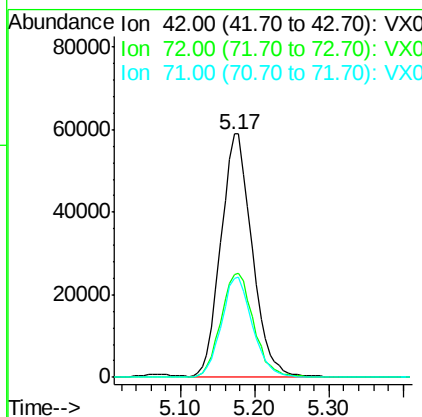
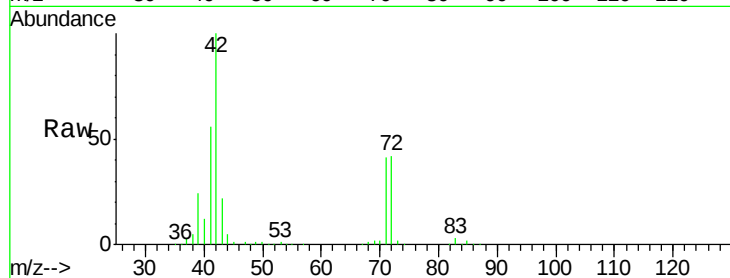
#29
Tetrahydrofuran
Concen: 115.14 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.4	53.2
71	41.2	33.2	49.8

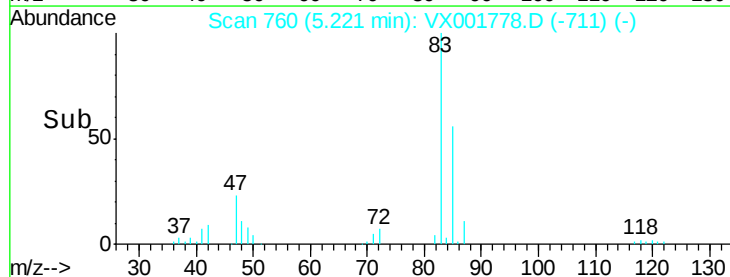
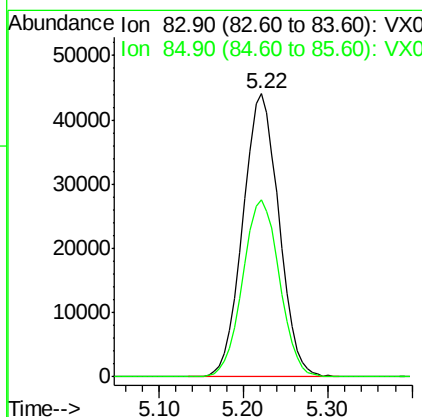
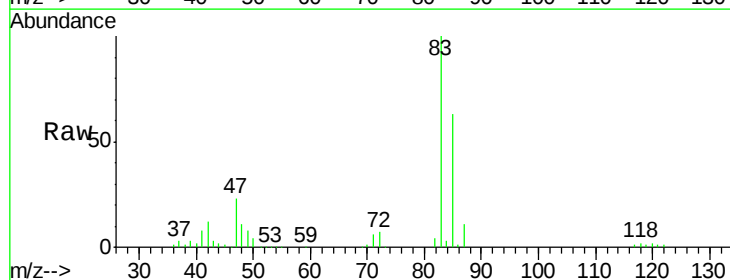
Manual Integrations
APPROVED

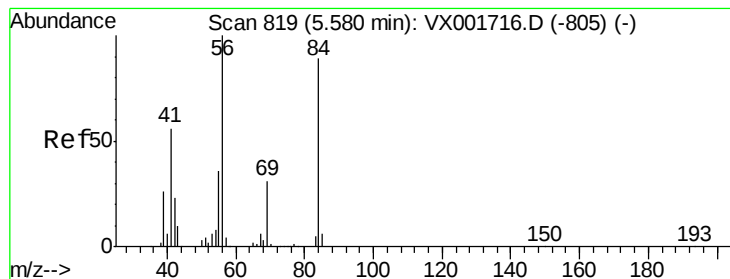
MMDadoda
5/17/2018 9:32:25 AM



#30
Chloroform
Concen: 22.21 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.3	78.5





#31

Cyclohexane

Concen: 21.16 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

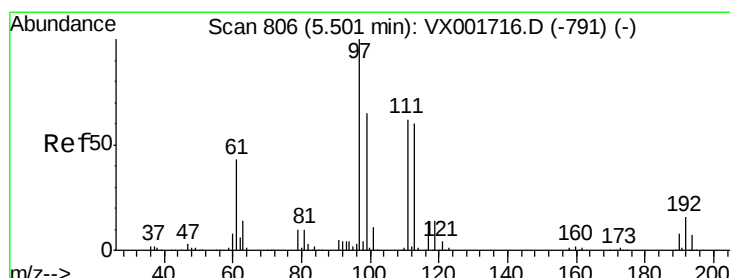
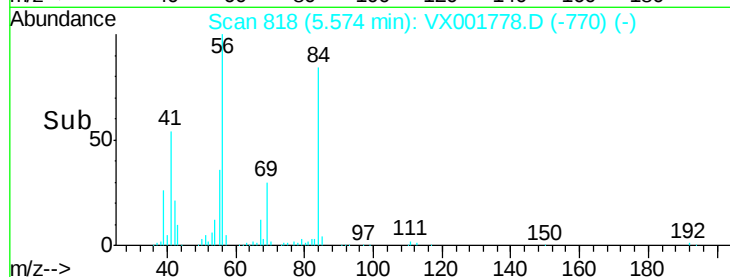
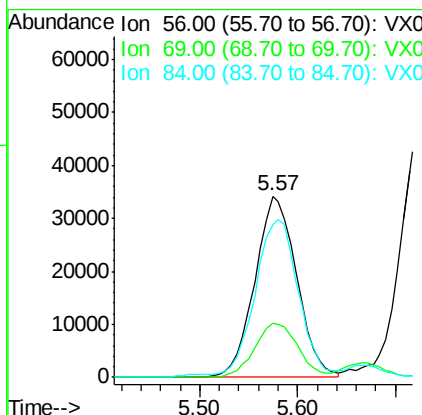
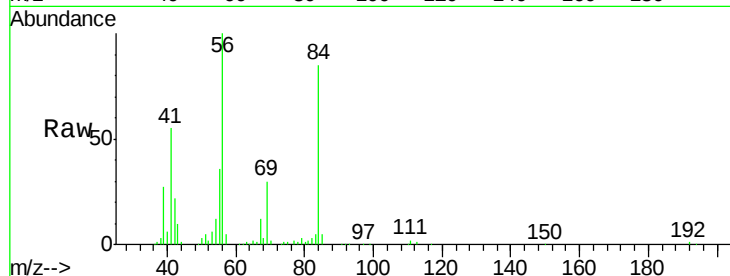
ClientSampleId :

VX0516WBS01

Tot Ion:	56	Resp:	101700
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.0	37.6
84	83.2	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#32

1,1,1-Trichloroethane

Concen: 21.69 ug/l

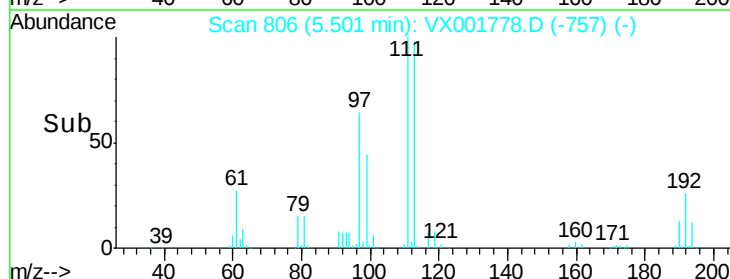
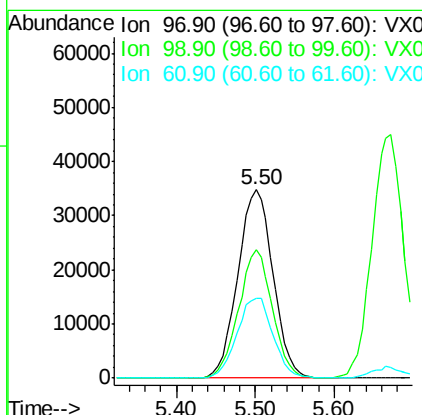
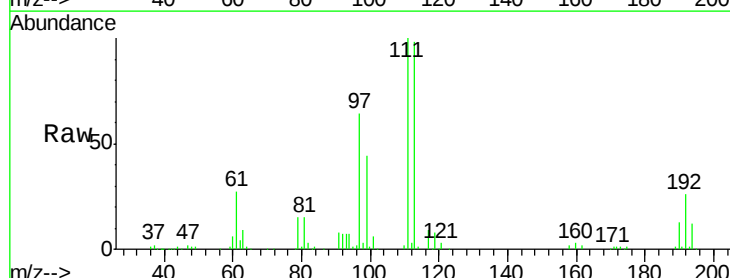
RT: 5.50 min Scan# 806

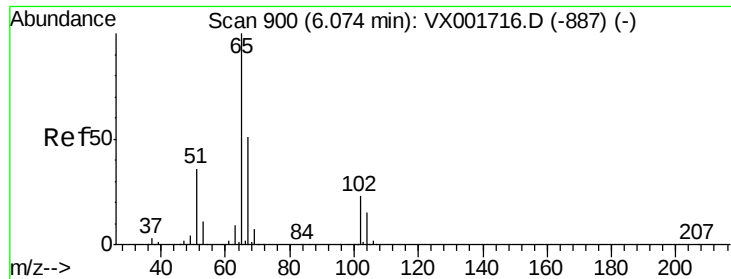
Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	97	Resp:	107933
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	43.7	34.0	51.0





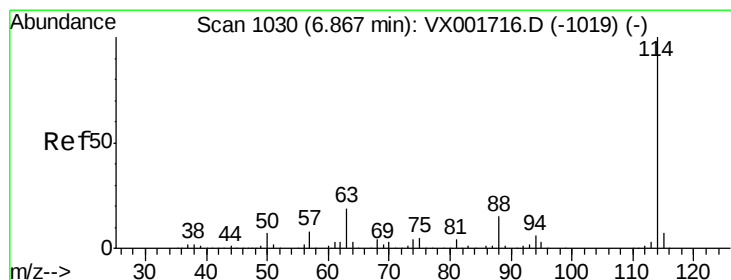
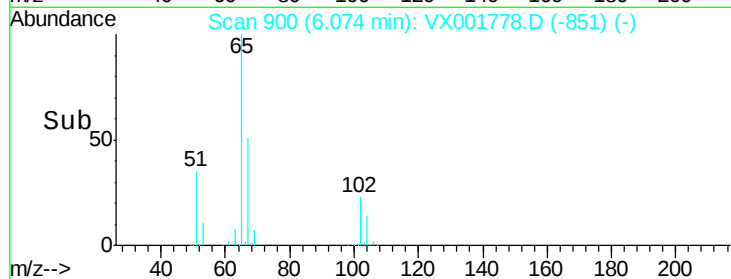
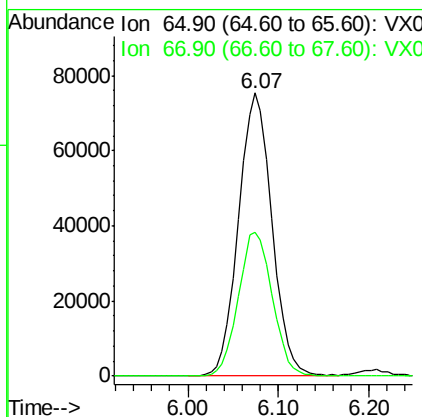
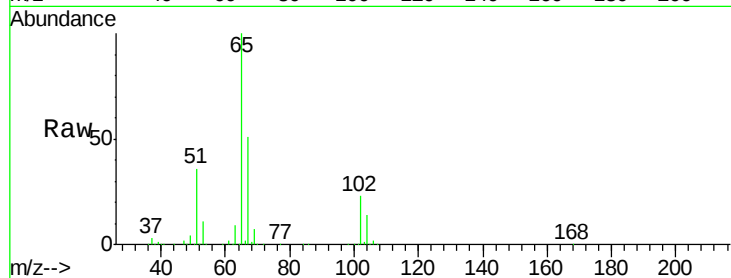
#33
 1,2-Dichloroethane-d4
 Concen: 50.32 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192407		
67	51.8	0.0	102.8	

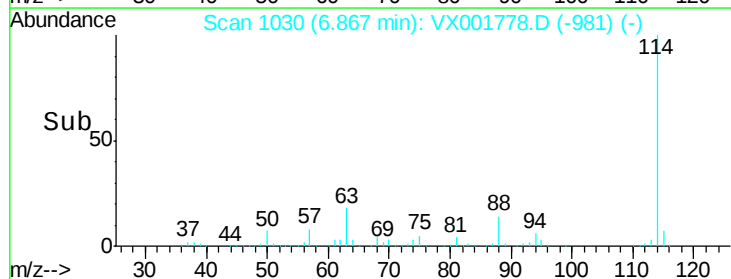
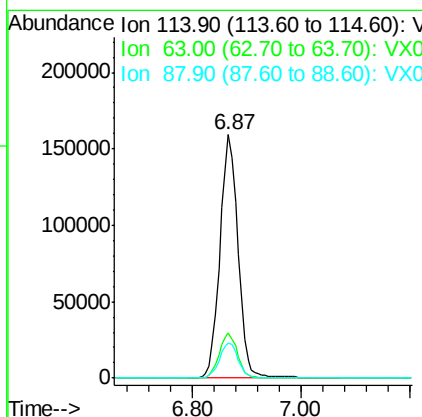
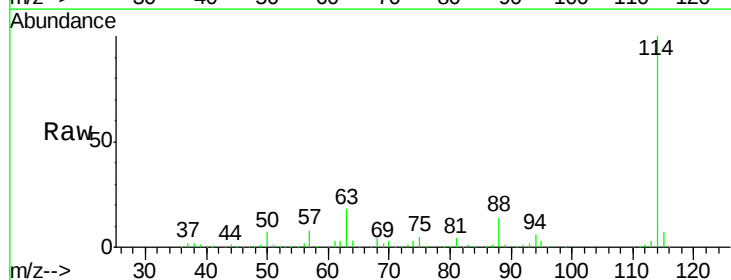
Manual Integrations
 APPROVED

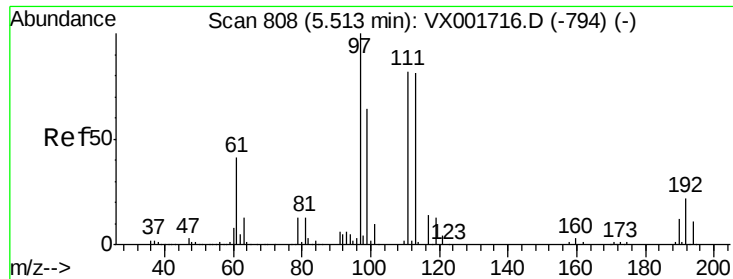
MMDadoda
 5/17/2018 9:32:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	369675		
63	18.5	0.0	37.0	
88	14.2	0.0	29.8	





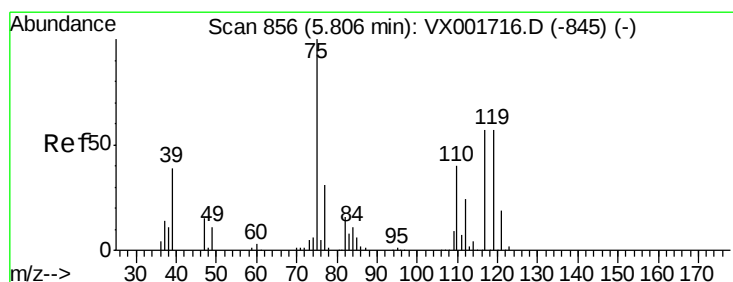
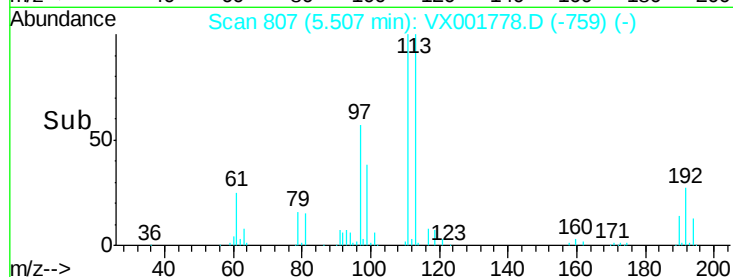
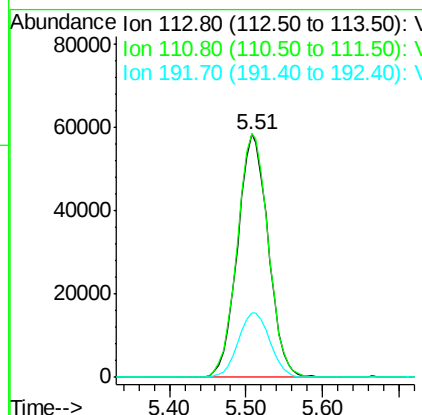
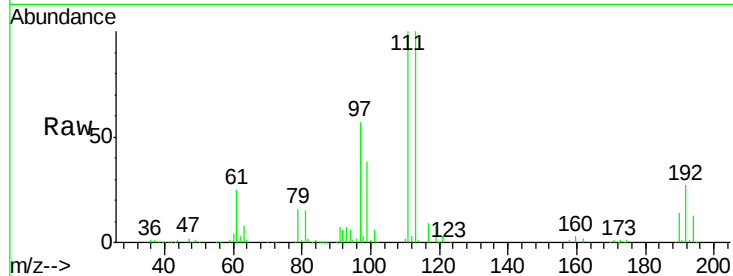
#35
Dibromofluoromethane
Concen: 51.94 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162045		
111	101.8	82.0	123.0	
192	27.5	21.6	32.4	

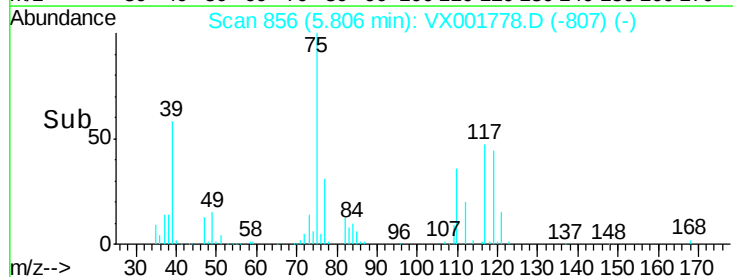
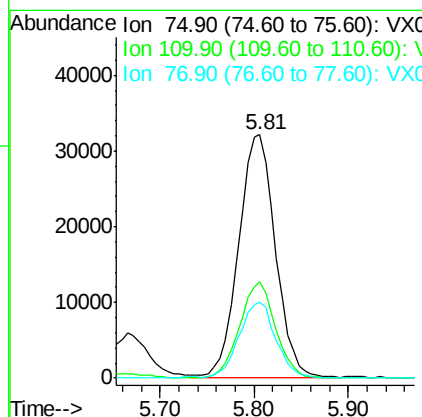
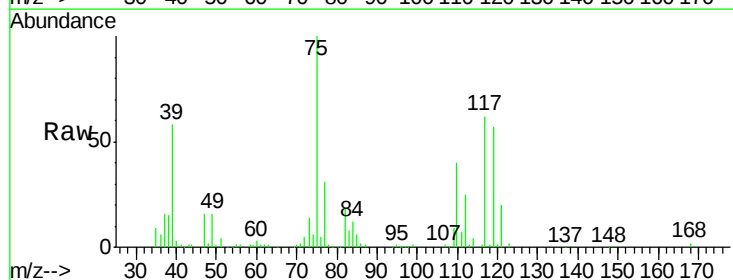
Manual Integrations
APPROVED

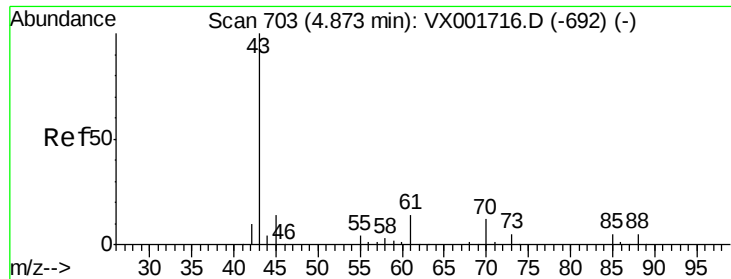
MMDadoda
5/17/2018 9:32:25 AM



#36
1,1-Dichloropropene
Concen: 20.46 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87070		
110	38.7	19.1	57.1	
77	31.5	24.6	37.0	





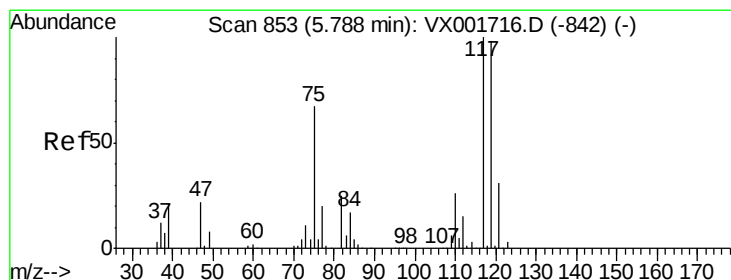
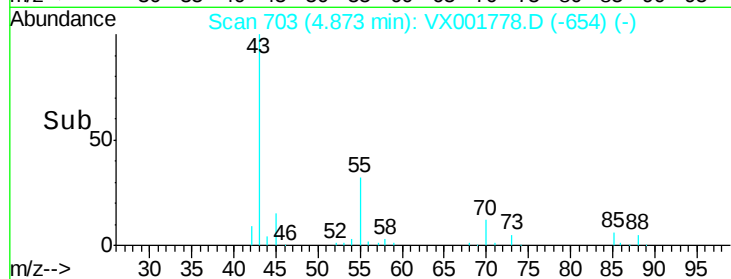
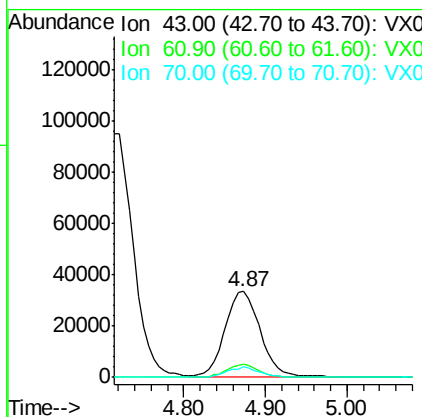
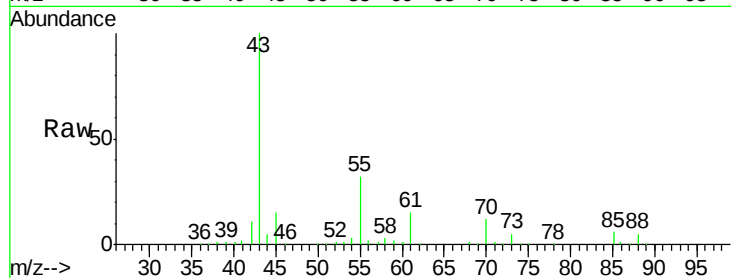
#37
Ethyl Acetate
Concen: 22.47 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	11.3	8.8	13.2

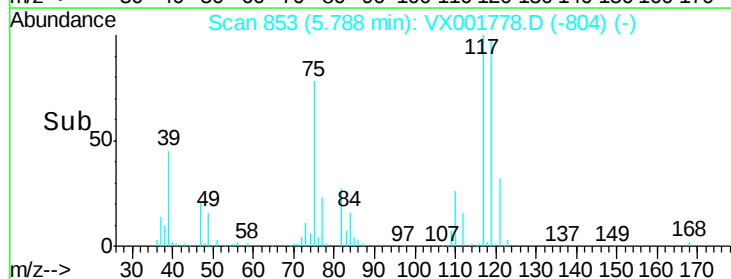
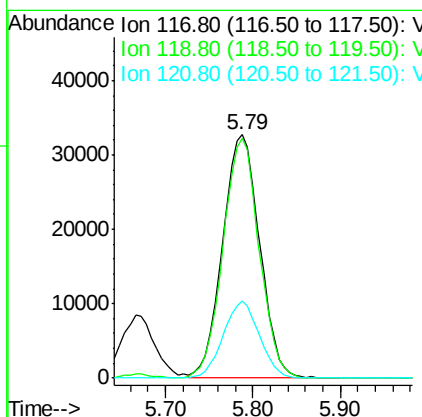
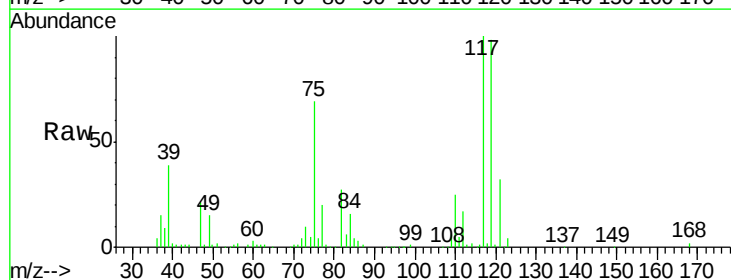
Manual Integrations
APPROVED

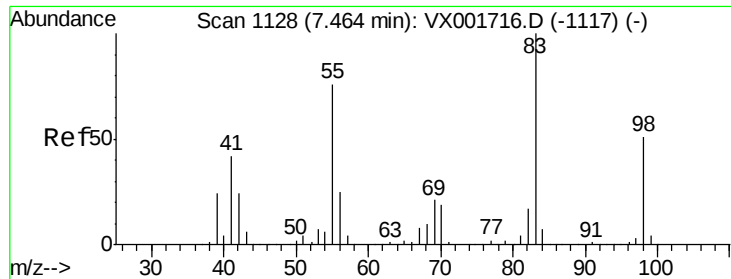
MMDadoda
5/17/2018 9:32:25 AM



#38
Carbon Tetrachloride
Concen: 21.60 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.6	116.4
121	31.7	24.6	36.8





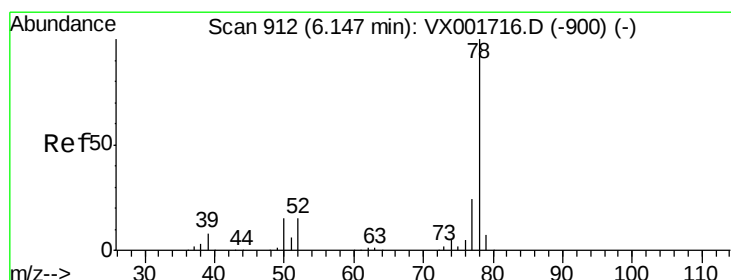
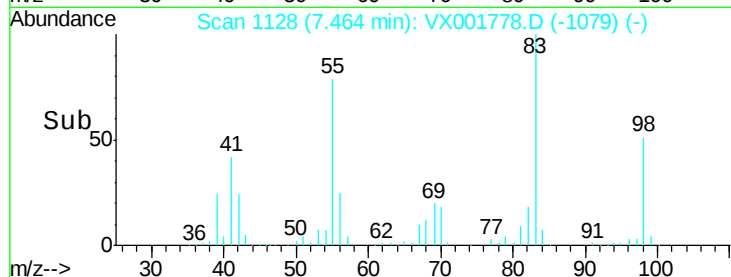
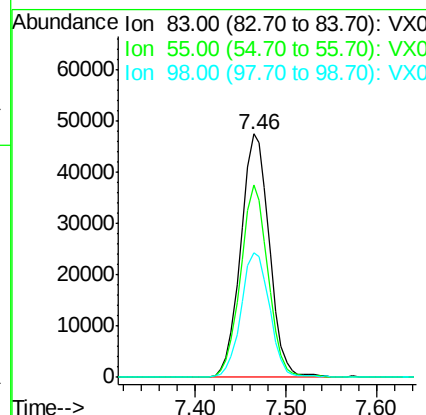
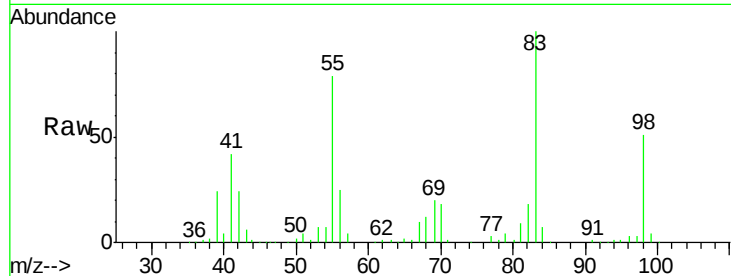
#39
Methvlcvclohexane
Concen: 20.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	83	Resp	103642
Ion Ratio	Lower	Upper	
83	100		
55	79.1	60.6	90.8
98	51.1	40.4	60.6

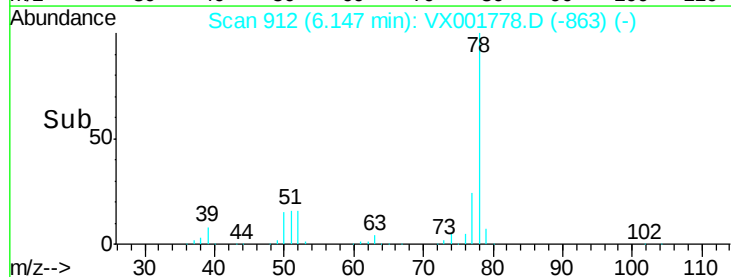
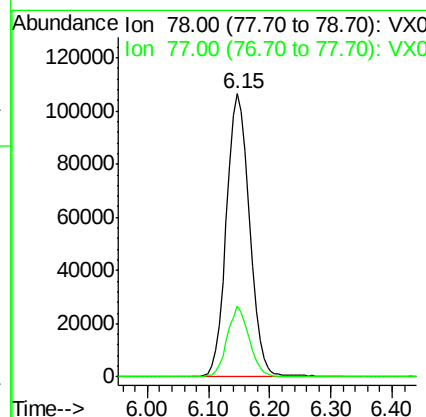
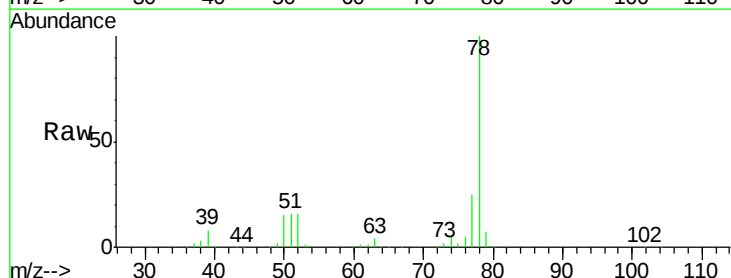
Manual Integrations
APPROVED

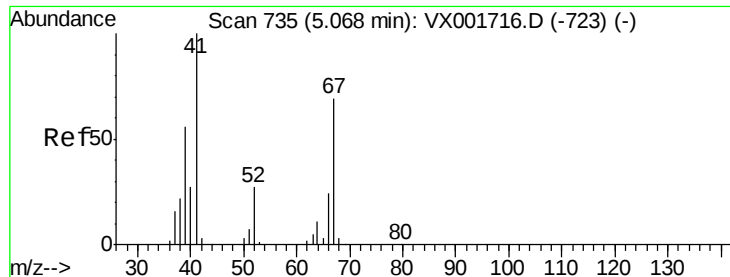
MMDadoda
5/17/2018 9:32:25 AM



#40
Benzene
Concen: 22.28 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	78	Resp	279320
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.0	28.4





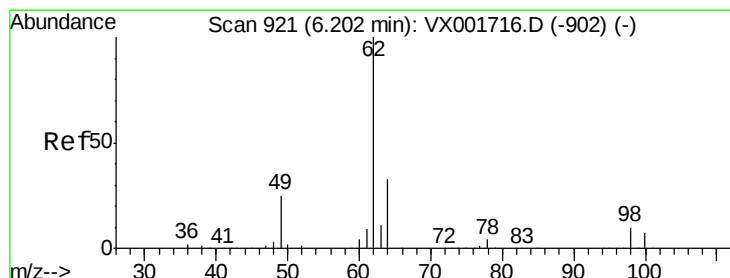
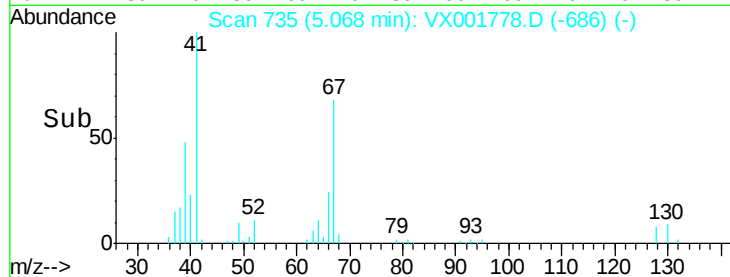
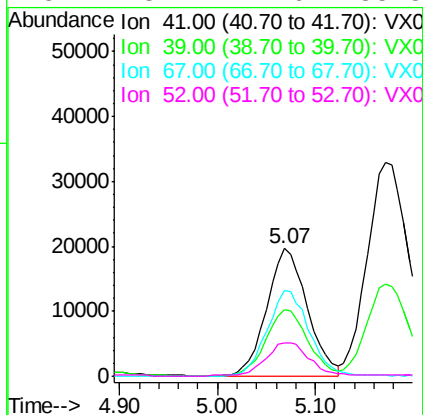
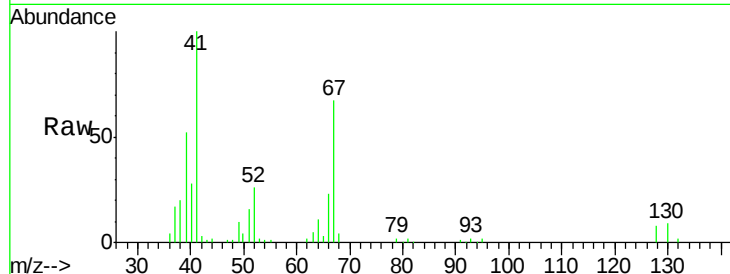
#41
Methacrylonitrile
Concen: 22.31 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		57218		
39	53.6	44.2	66.4		
67	69.9	56.0	84.0		
52	28.7	22.6	33.8		

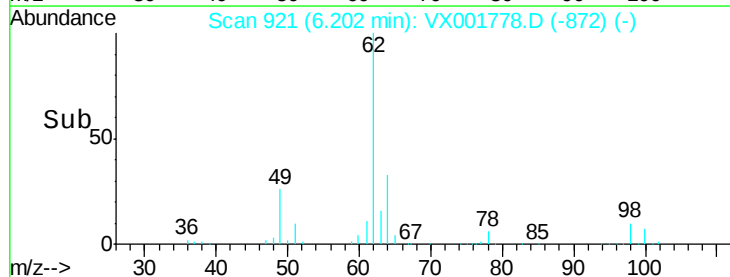
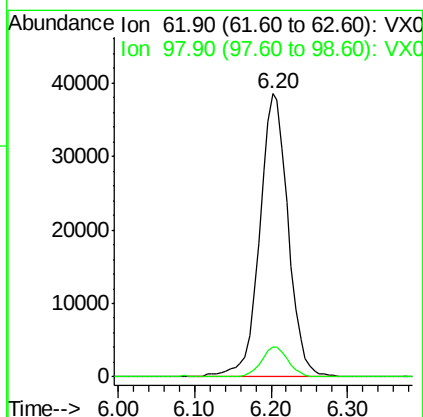
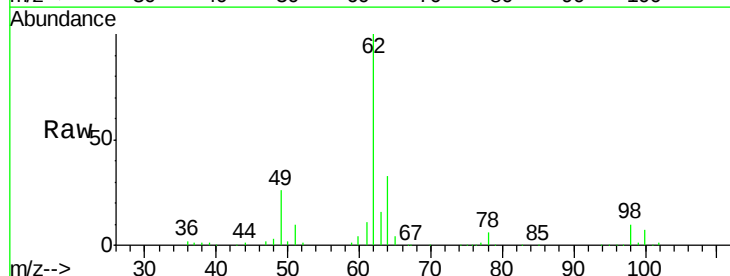
Manual Integrations
APPROVED

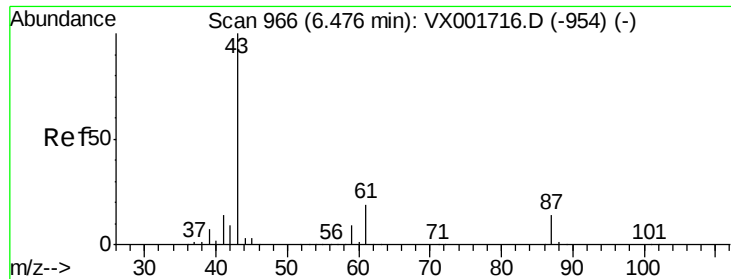
MMDadoda
5/17/2018 9:32:25 AM



#42
1,2-Dichloroethane
Concen: 22.07 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		100077		
98	10.1	0.0	20.0		





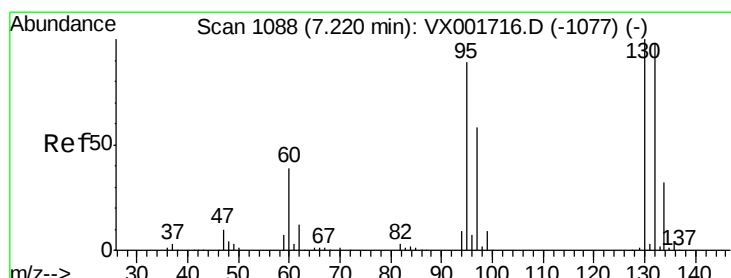
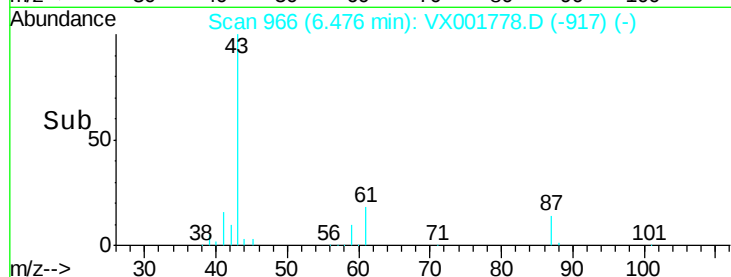
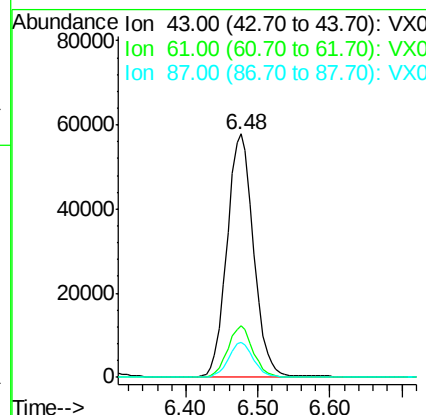
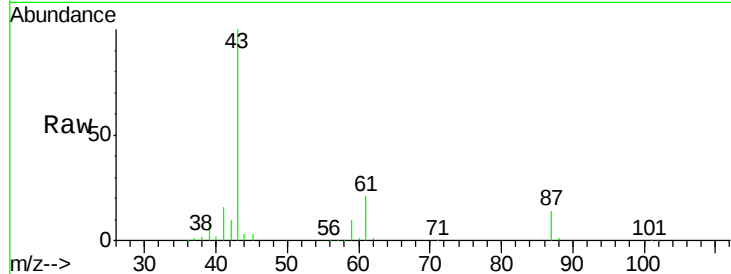
#43
Isopropyl Acetate
Concen: 21.32 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8
87	13.8	11.0	16.4

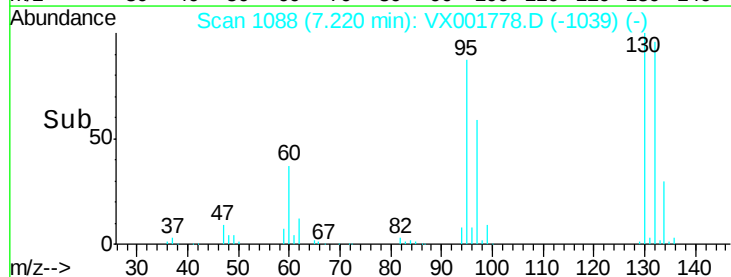
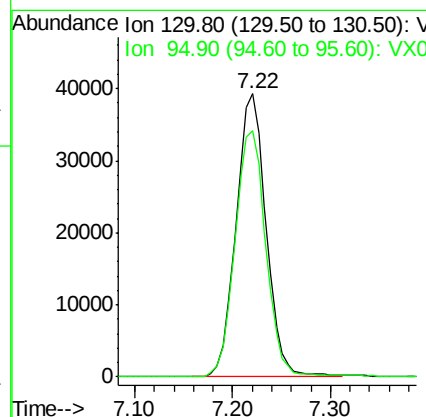
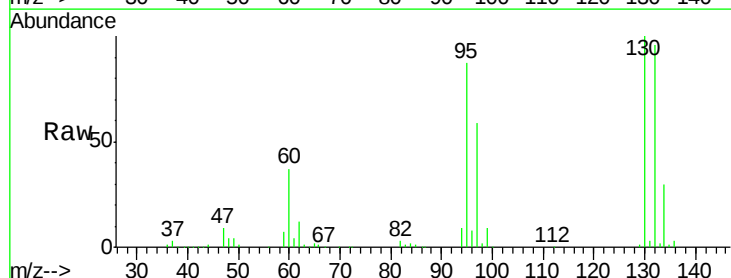
Manual Integrations
APPROVED

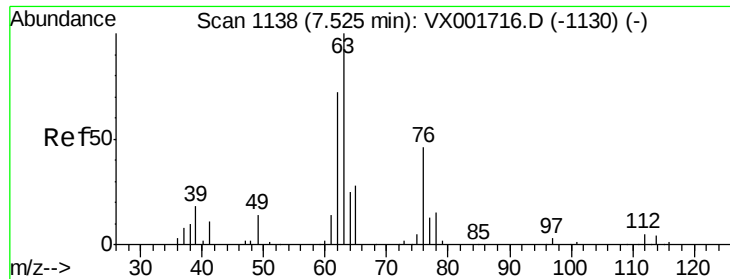
MMDadoda
5/17/2018 9:32:25 AM



#44
Trichloroethene
Concen: 21.55 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	177.2





#45

1,2-Dichloropropane

Concen: 22.66 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 63 Resp: 69731

Ion Ratio Lower Upper

63 100

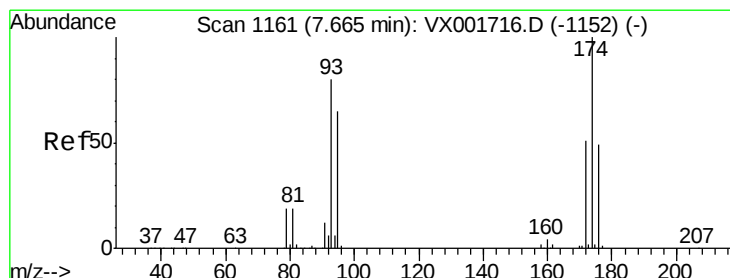
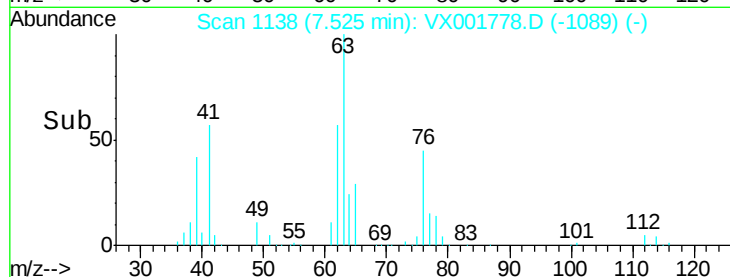
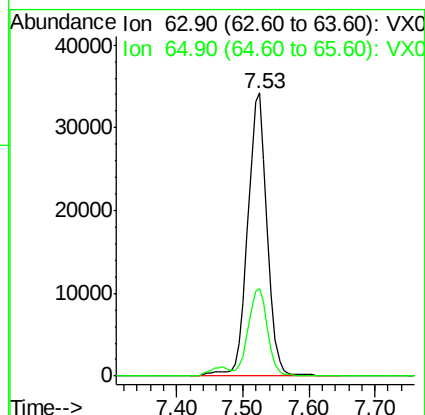
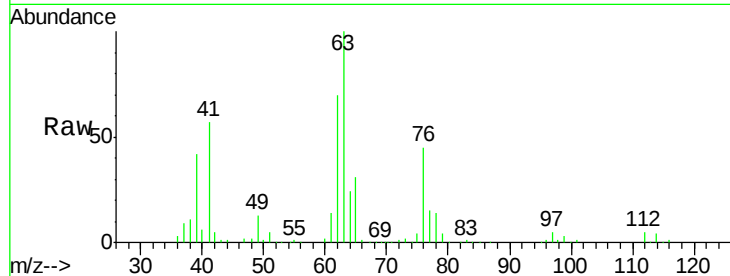
65 30.7 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#46

Dibromomethane

Concen: 21.96 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

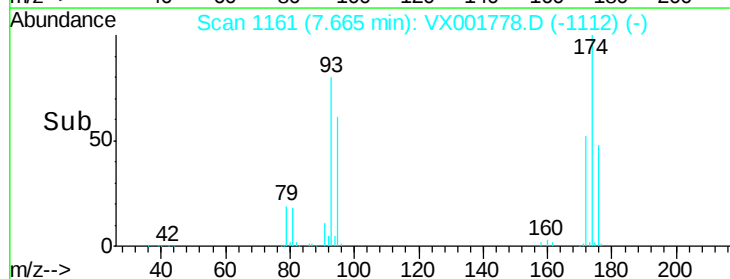
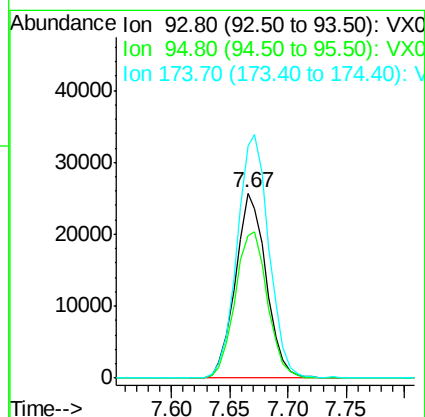
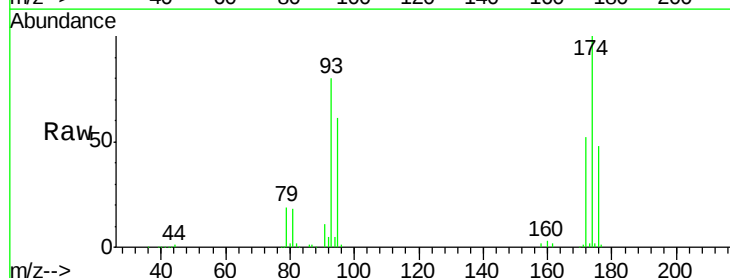
Tgt Ion: 93 Resp: 47441

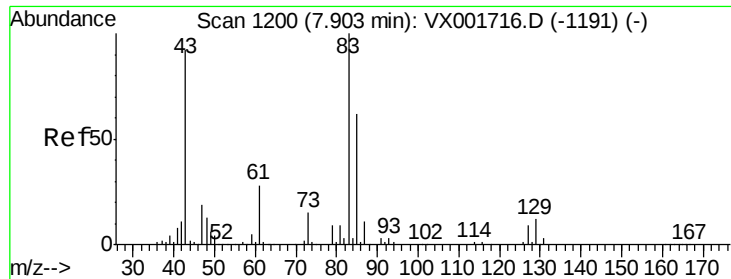
Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

174 135.9 106.2 159.2





#47

Bromodichloromethane

Concen: 22.27 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

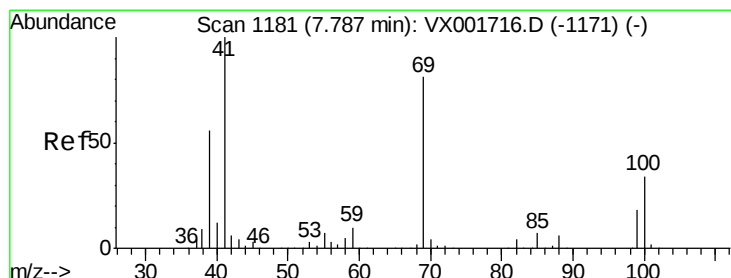
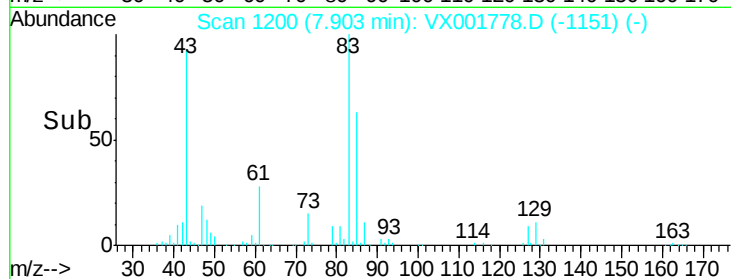
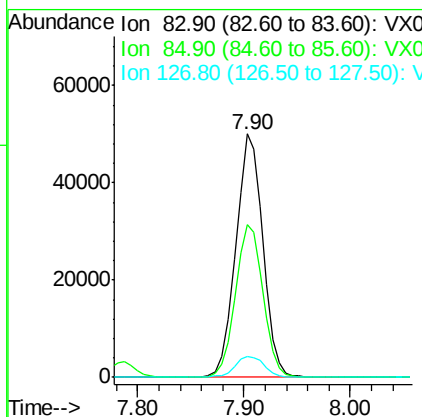
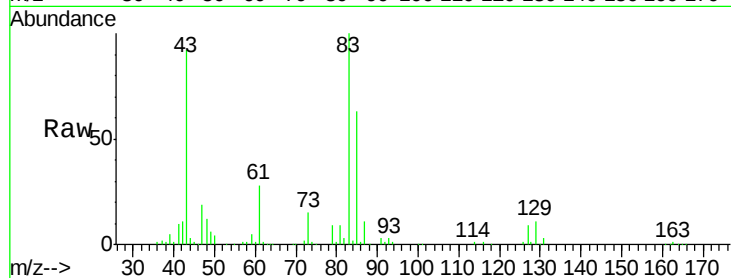
ClientSampleId :

VX0516WBS01

Tot Ion:	83	Resp:	89278
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.6	74.4
127	8.7	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#48

Methyl methacrylate

Concen: 21.89 ug/l

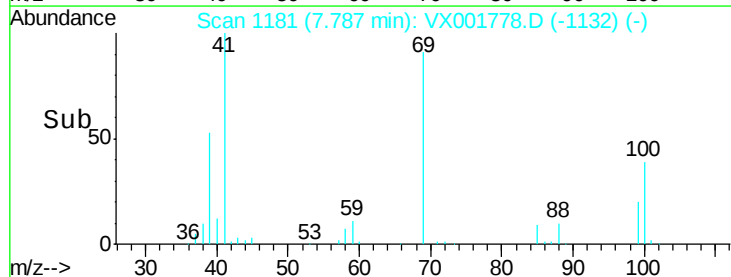
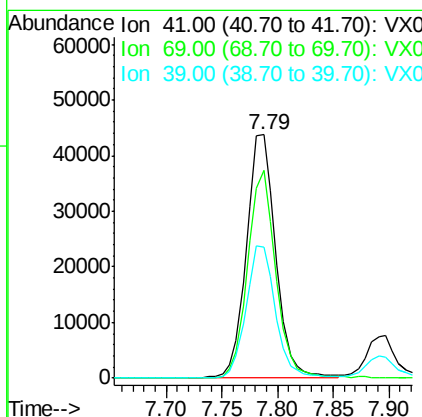
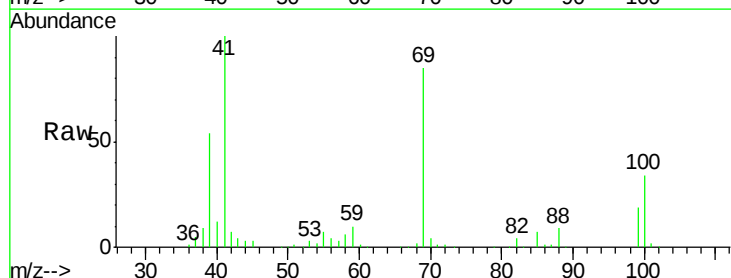
RT: 7.79 min Scan# 1181

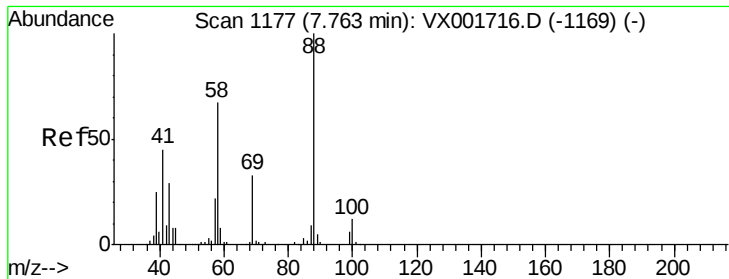
Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	41	Resp:	79976
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.2	97.8
39	54.6	44.5	66.7





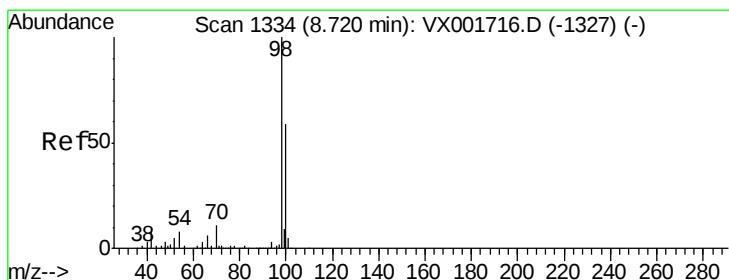
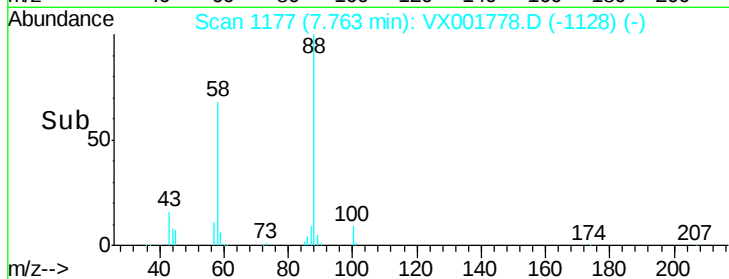
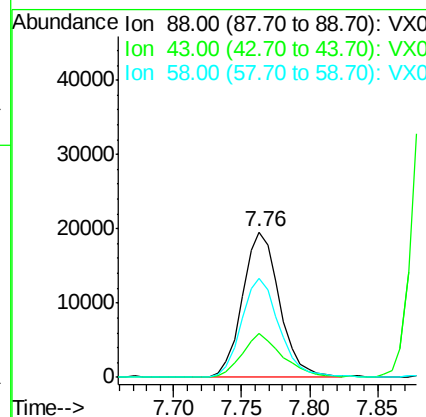
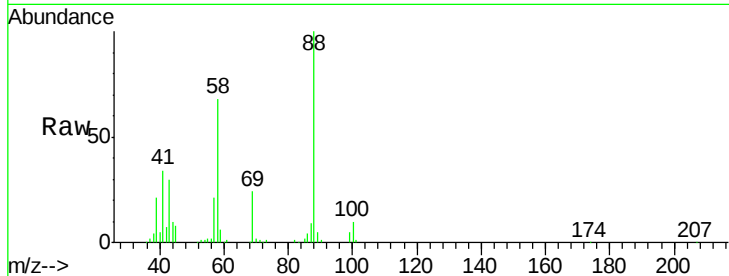
#49
1,4-Dioxane
Concen: 529.07 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.3	40.9
58	70.2	55.9	83.9

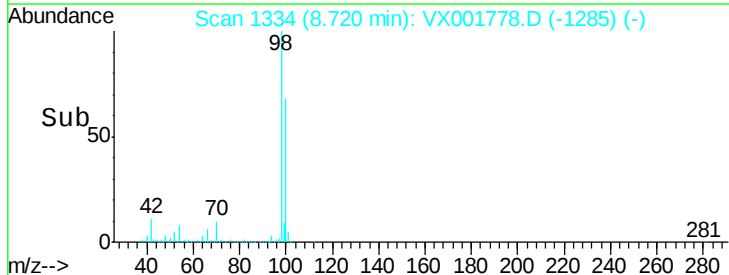
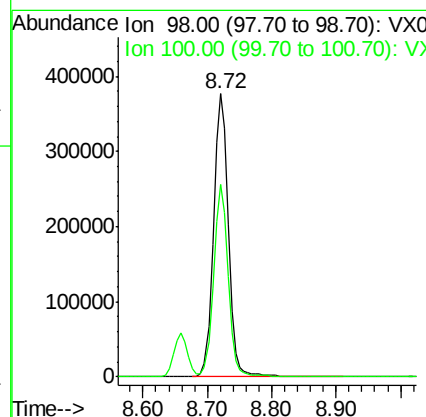
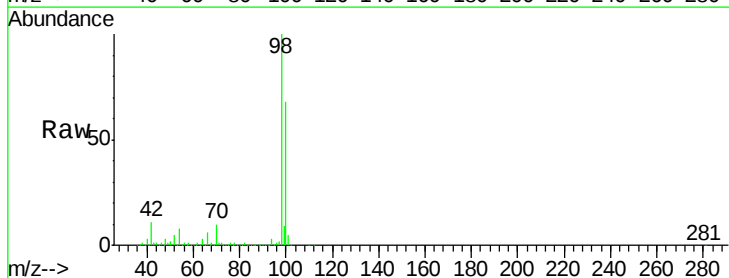
Manual Integrations
APPROVED

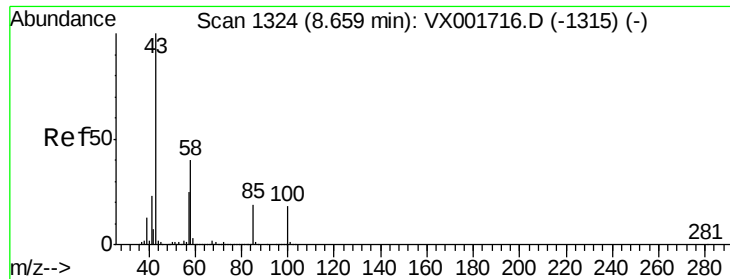
MMDadoda
5/17/2018 9:32:25 AM



#50
Toluene-d8
Concen: 54.35 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.0	81.0





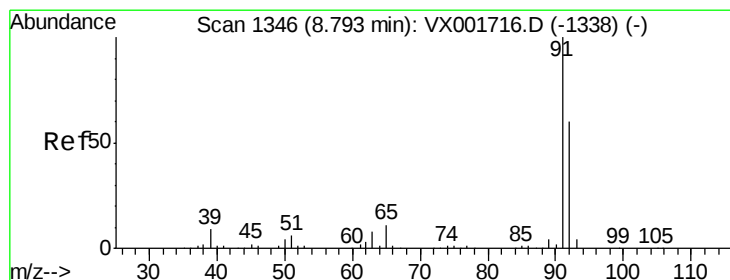
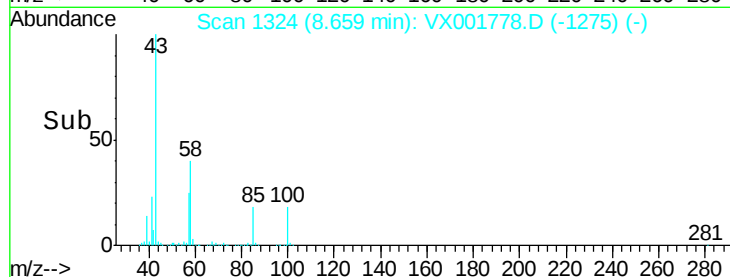
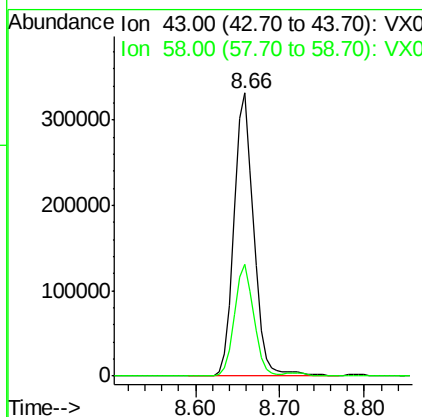
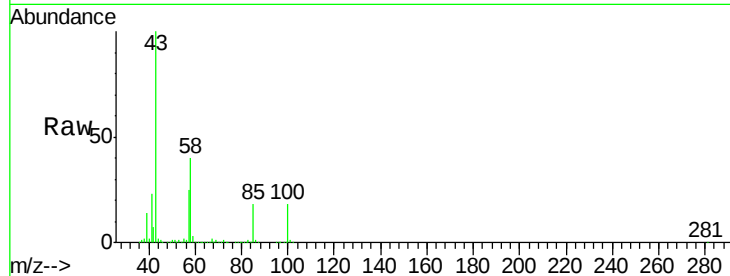
#51
 4-Methyl-2-Pentanone
 Concen: 119.47 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.4	47.0

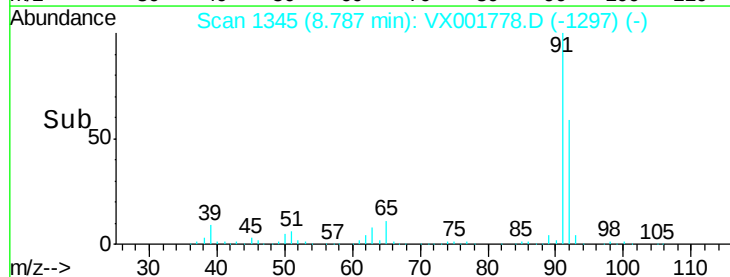
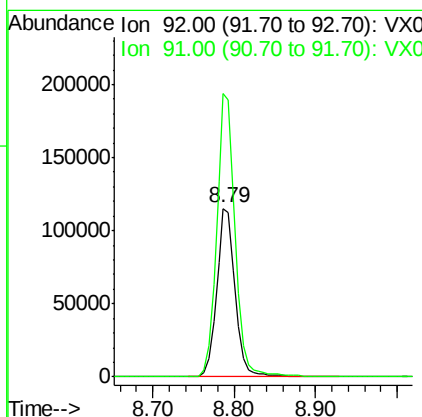
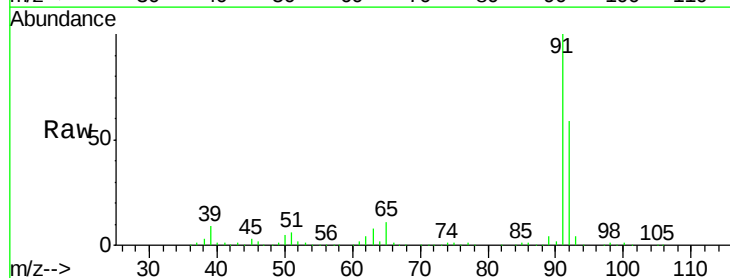
Manual Integrations
 APPROVED

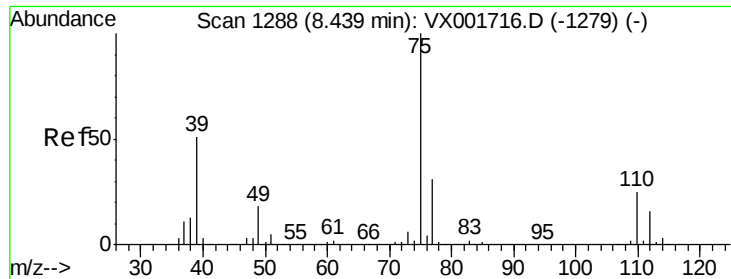
MMDadoda
 5/17/2018 9:32:25 AM



#52
 Toluene
 Concen: 22.59 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.2	135.5	203.3





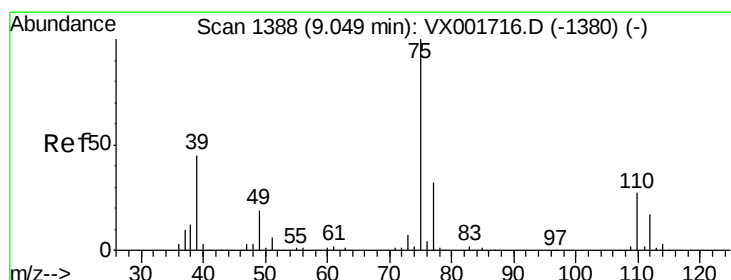
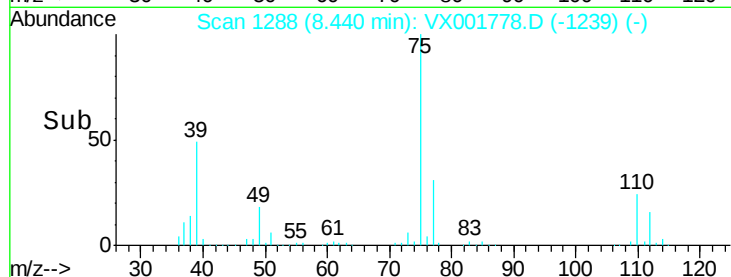
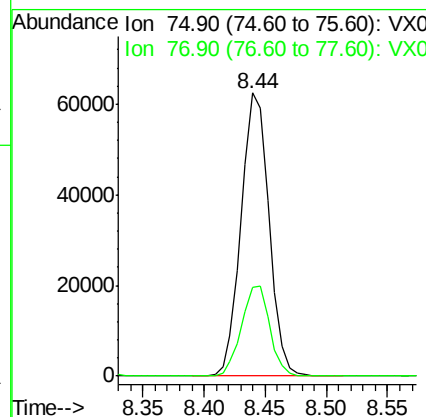
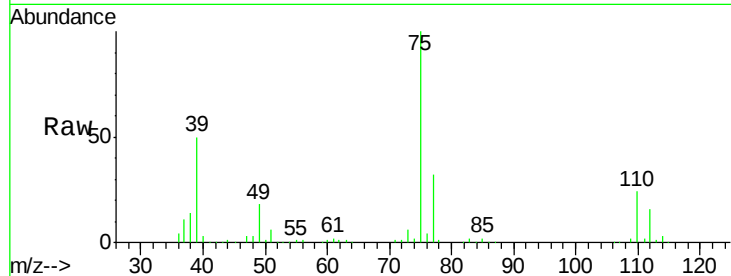
#53
t-1,3-Dichloropropene
Concen: 20.99 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 75 Resp: 99021
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

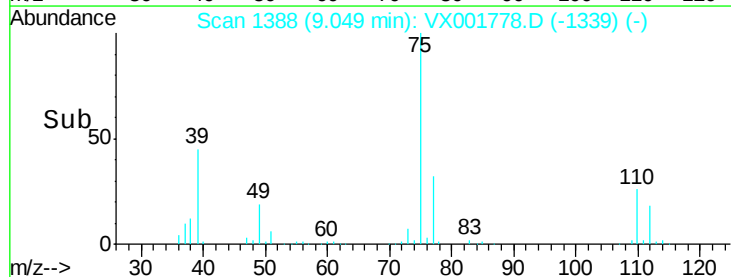
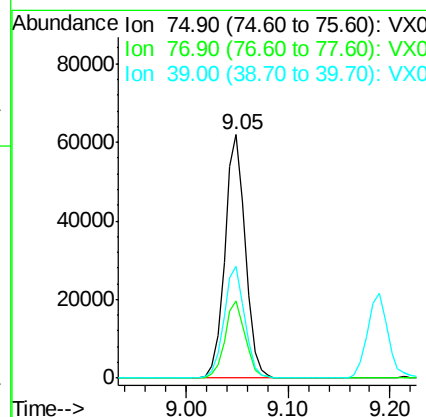
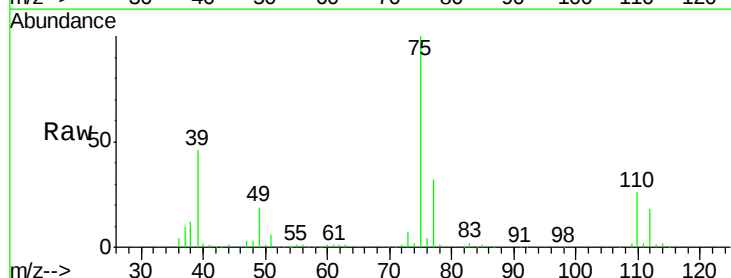
Manual Integrations
APPROVED

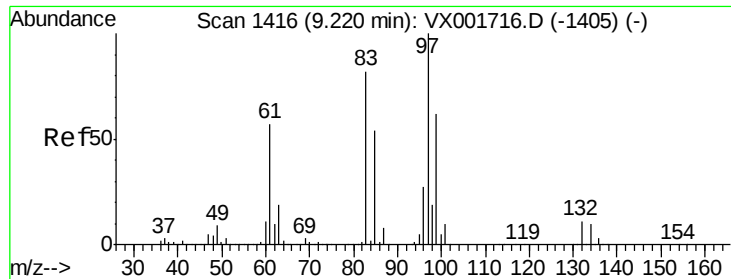
MMDadoda
5/17/2018 9:32:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.79 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion: 75 Resp: 86433
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 45.7 36.1 54.1





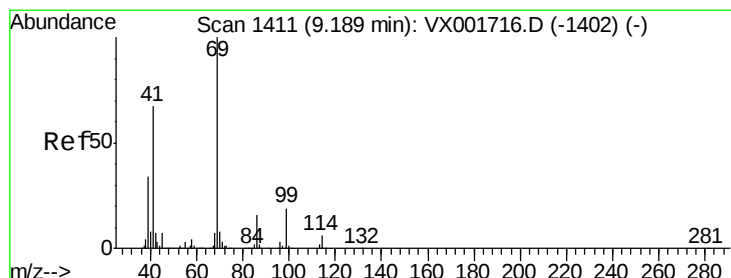
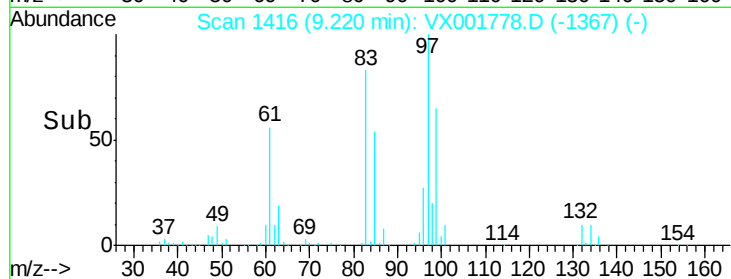
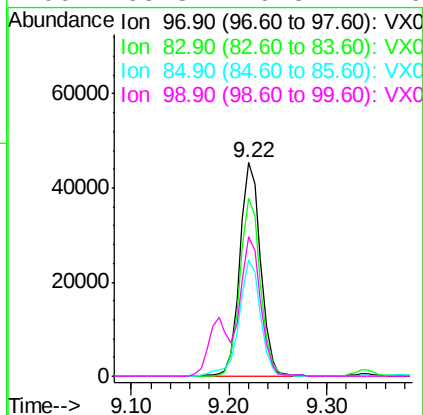
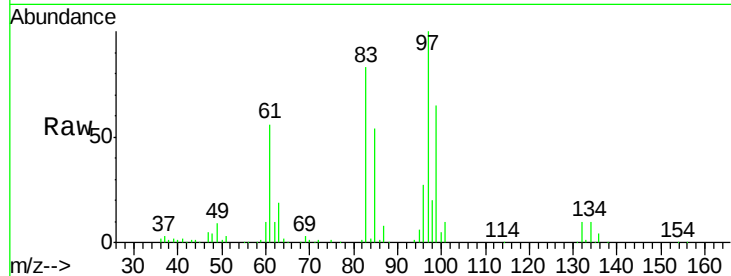
#55
 1,1,2-Trichloroethane
 Concen: 21.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion:	97	Resp:	67320
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.8	98.8
85	54.4	43.4	65.0
99	65.3	49.8	74.6

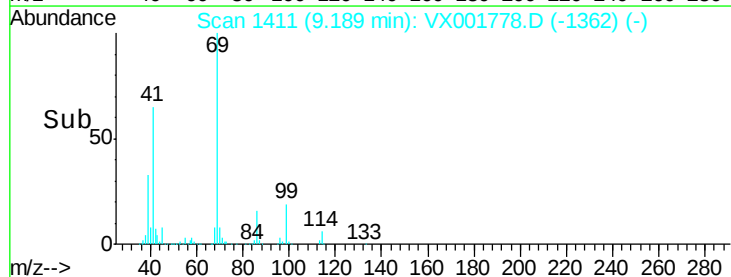
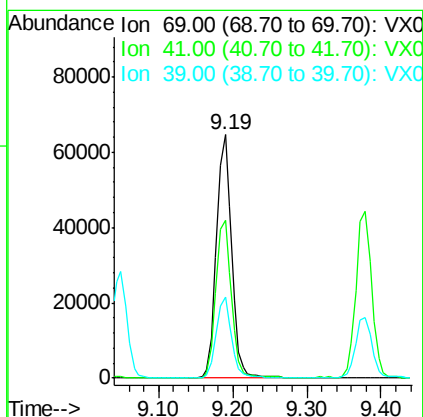
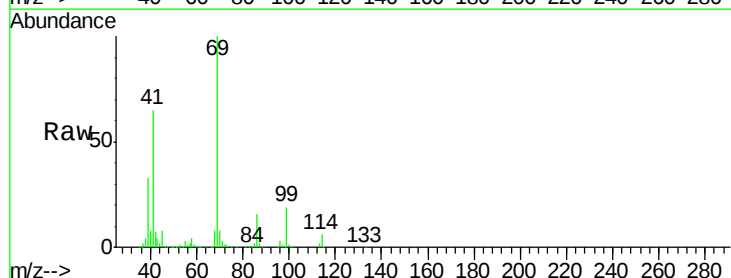
Manual Integrations
 APPROVED

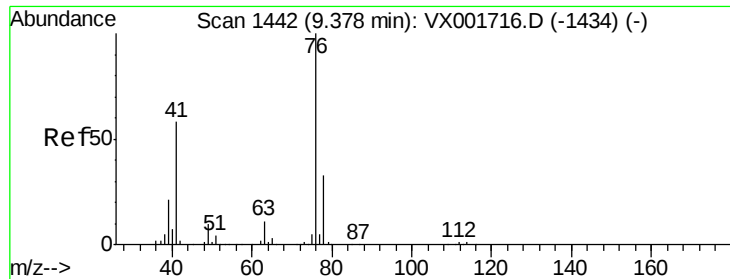
MMDadoda
 5/17/2018 9:32:25 AM



#56
 Ethyl methacrylate
 Concen: 20.81 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion:	69	Resp:	90875
Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.5	80.3
39	33.2	27.2	40.8





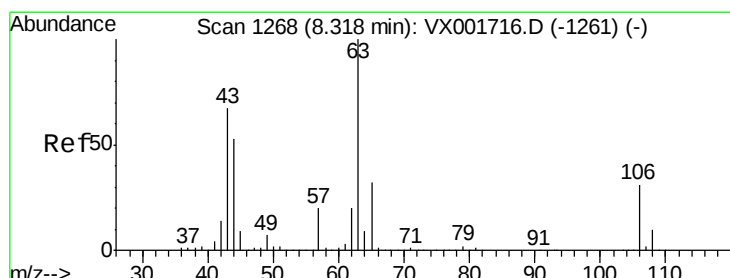
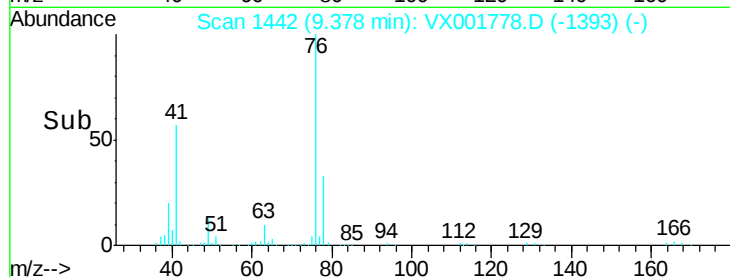
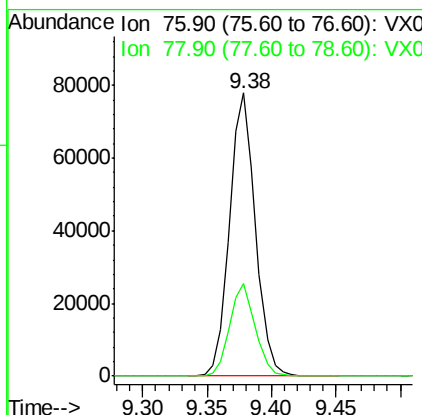
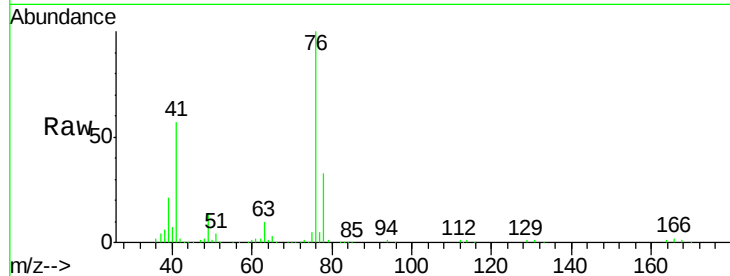
#57
 1,3-Dichloropropane
 Concen: 21.24 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	76	Resp	109528
Ion Ratio	Lower	Upper	
76	100		
78	32.4	25.8	38.6

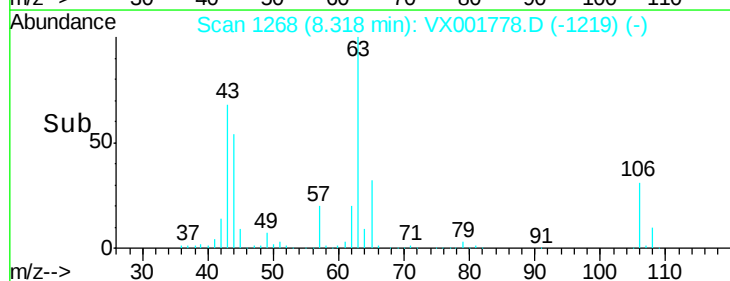
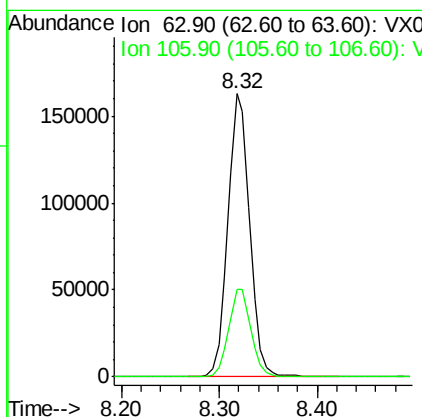
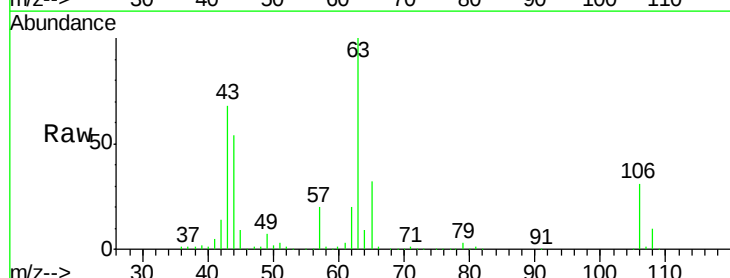
Manual Integrations
 APPROVED

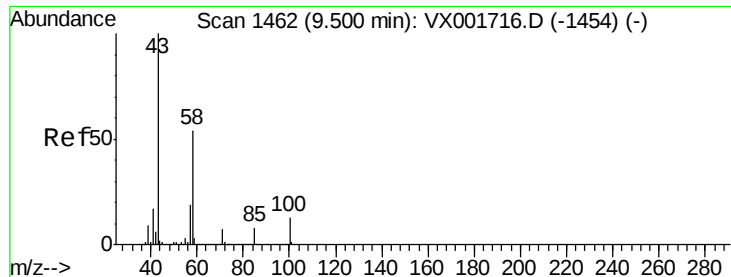
MMDadoda
 5/17/2018 9:32:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.44 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion	63	Resp	250355
Ion Ratio	Lower	Upper	
63	100		
106	32.0	25.1	37.7





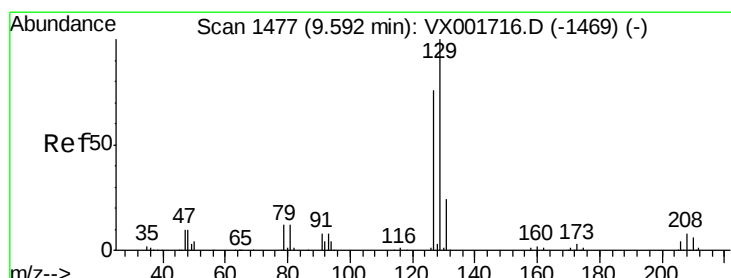
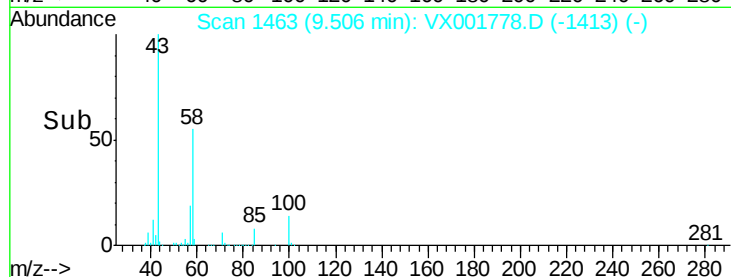
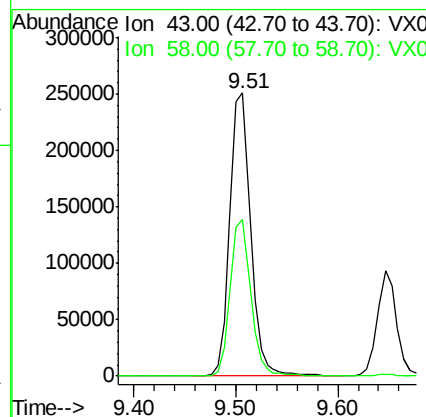
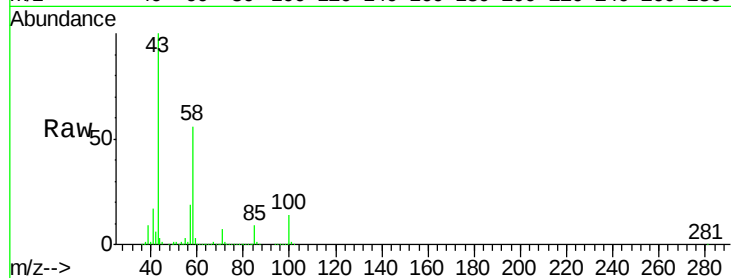
#59
2-Hexanone
Concen: 113.56 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 43 Resp: 357583
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

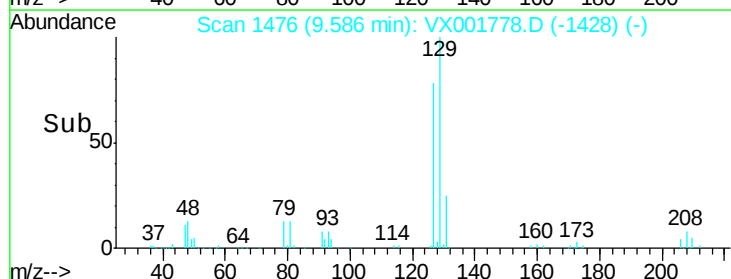
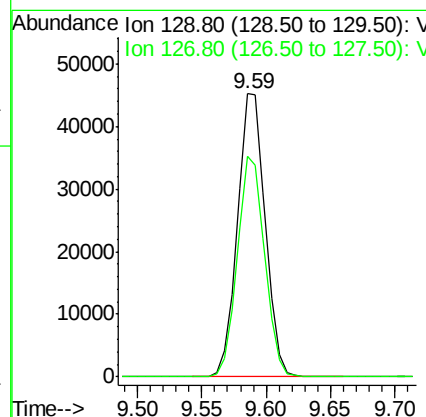
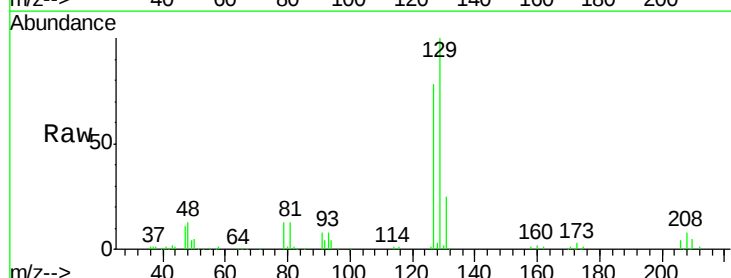
Manual Integrations
APPROVED

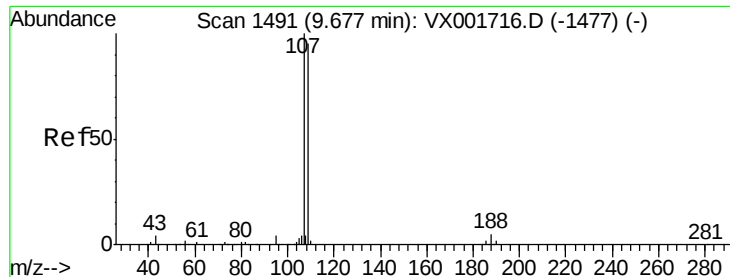
MMDadoda
5/17/2018 9:32:25 AM



#60
Dibromochloromethane
Concen: 21.50 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion: 129 Resp: 67817
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





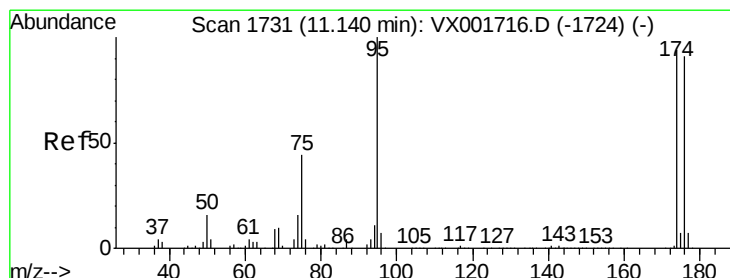
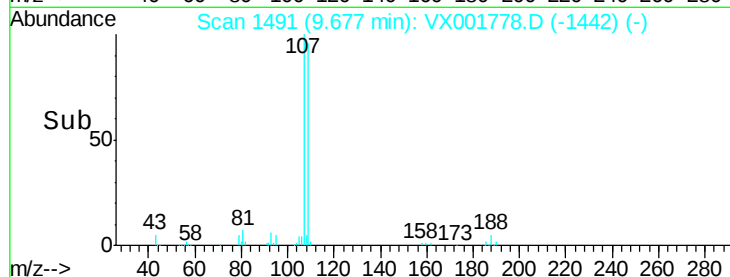
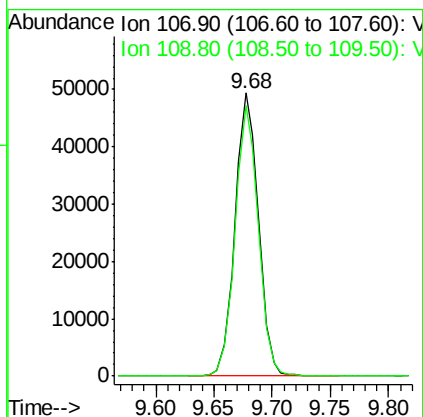
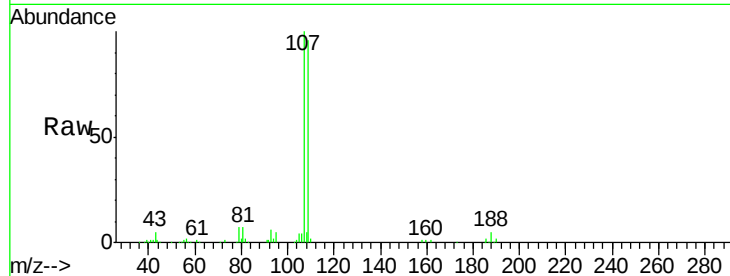
#61
 1,2-Dibromoethane
 Concen: 21.51 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion:107 Resp: 69343
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.2

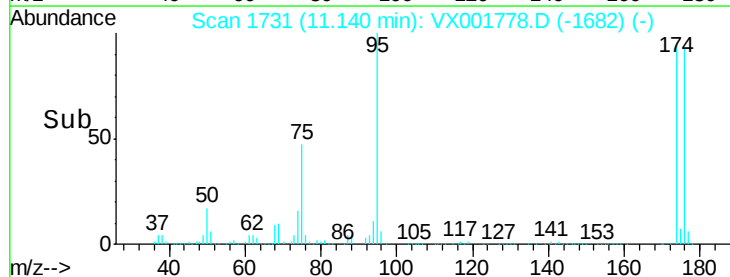
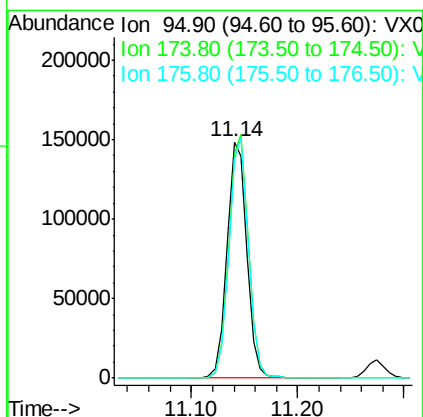
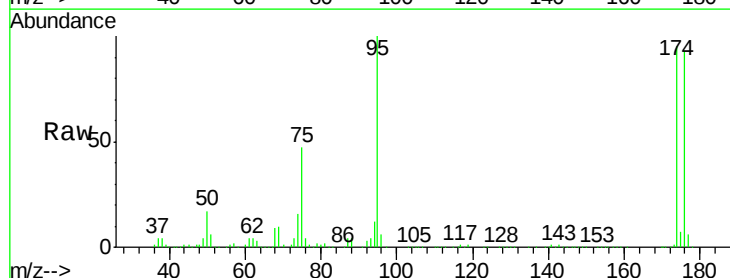
Manual Integrations
 APPROVED

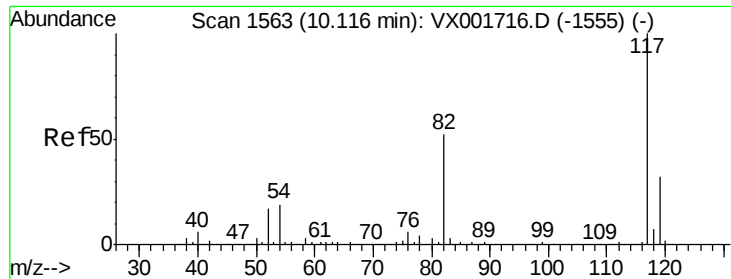
MMDadoda
 5/17/2018 9:32:25 AM



#62
 4-Bromofluorobenzene
 Concen: 48.02 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion: 95 Resp: 193168
 Ion Ratio Lower Upper
 95 100
 174 102.5 0.0 201.8
 176 99.7 0.0 196.8





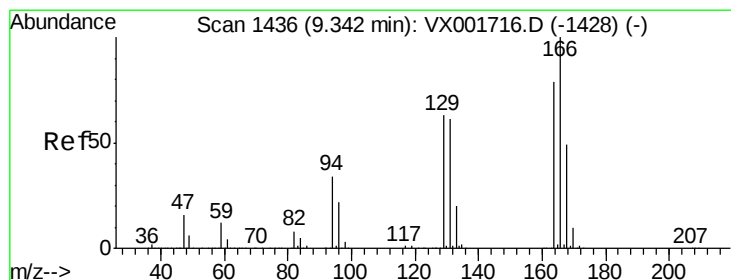
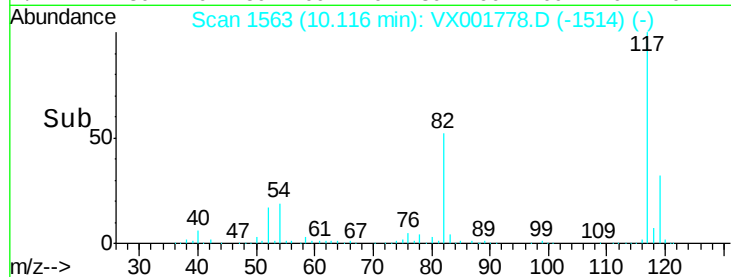
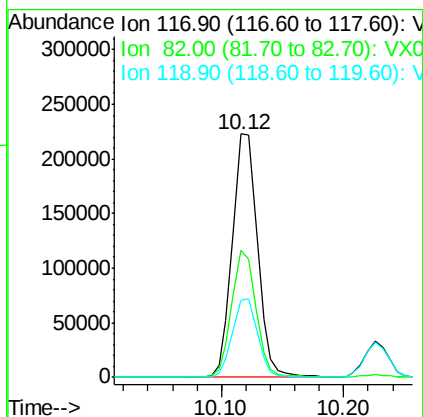
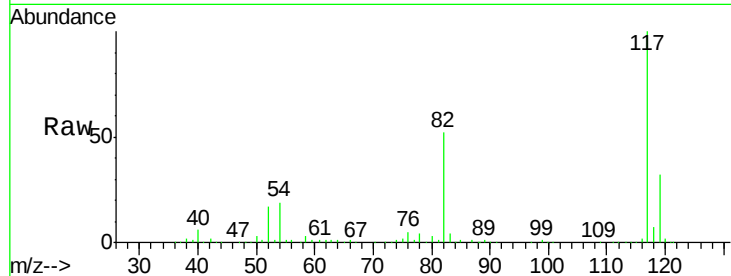
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.4	62.2
119	31.6	25.6	38.4

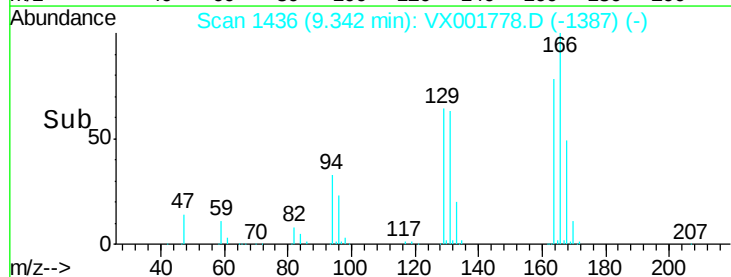
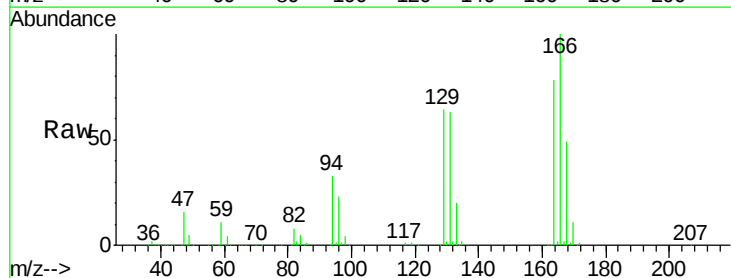
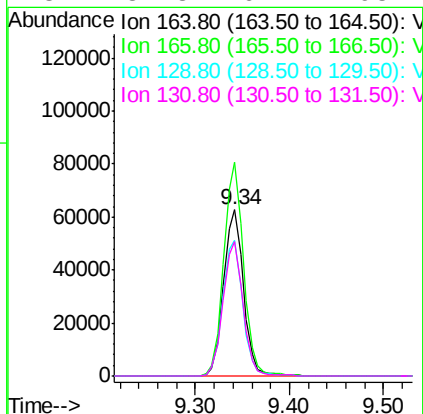
Manual Integrations
APPROVED

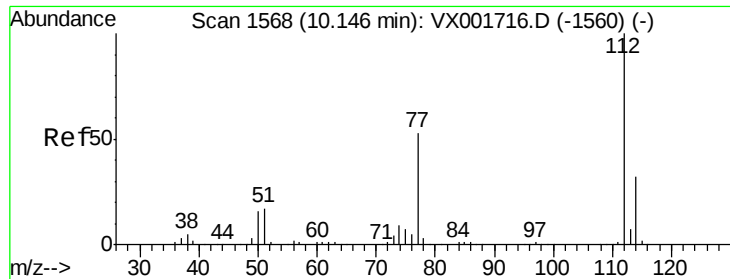
MMDadoda
5/17/2018 9:32:25 AM



#64
Tetrachloroethene
Concen: 22.36 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.8	152.8
129	82.0	63.8	95.6
131	81.3	62.2	93.2





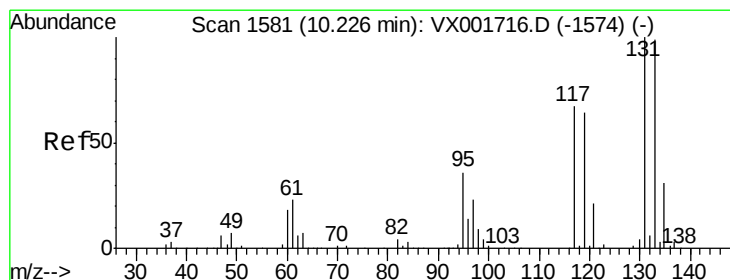
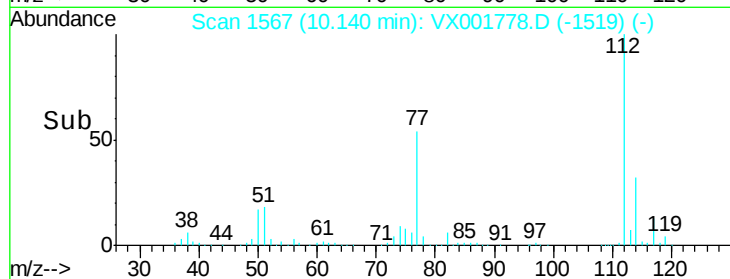
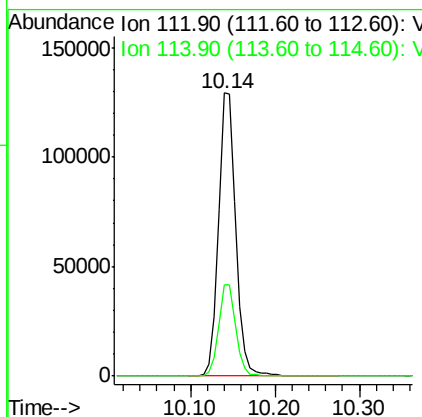
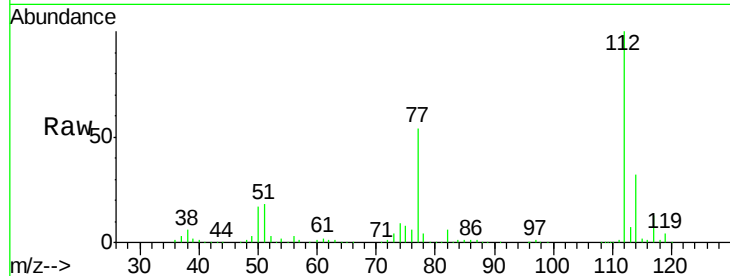
#65
Chlorobenzene
Concen: 21.17 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

Tot Ion:112 Resp: 184569
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

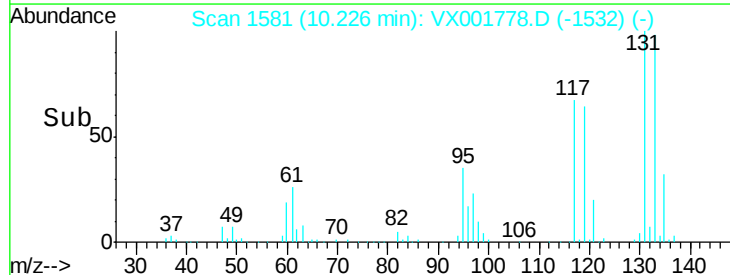
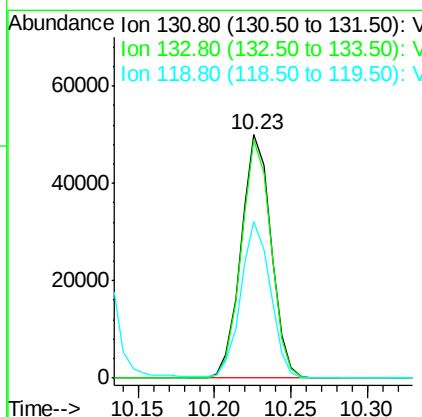
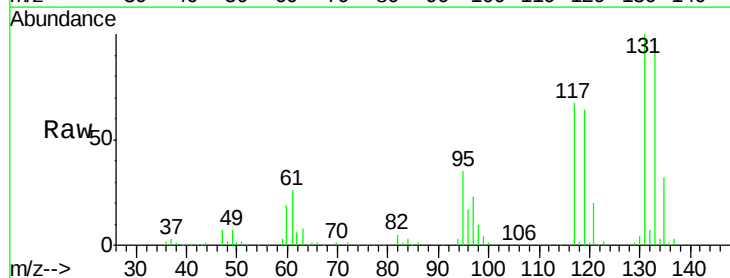
Manual Integrations
APPROVED

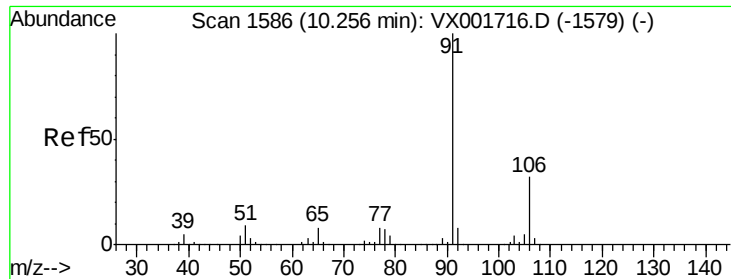
MMDadoda
5/17/2018 9:32:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.20 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion:131 Resp: 68352
Ion Ratio Lower Upper
131 100
133 96.3 48.5 145.6
119 63.6 31.9 95.5





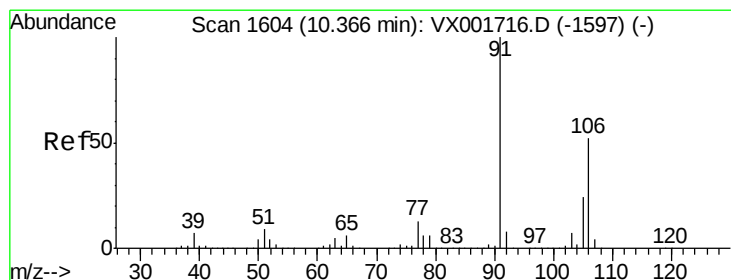
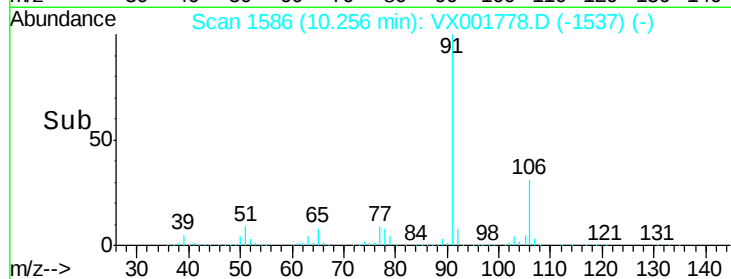
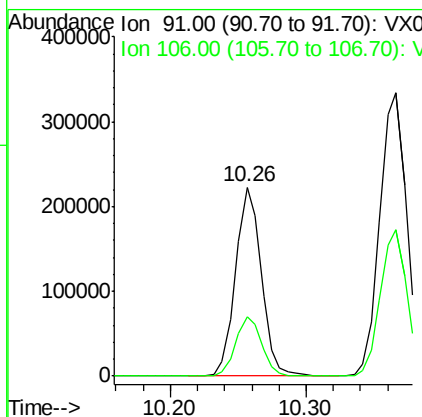
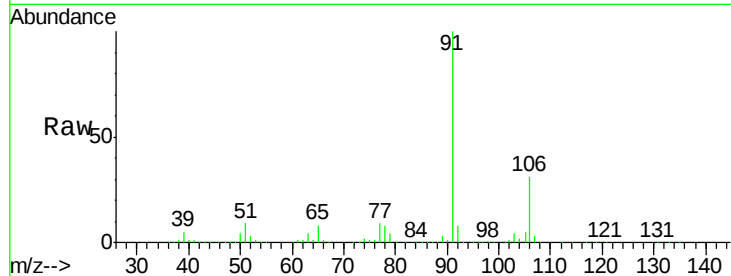
#67
Ethyl Benzene
Concen: 21.15 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 91 Resp: 294700
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

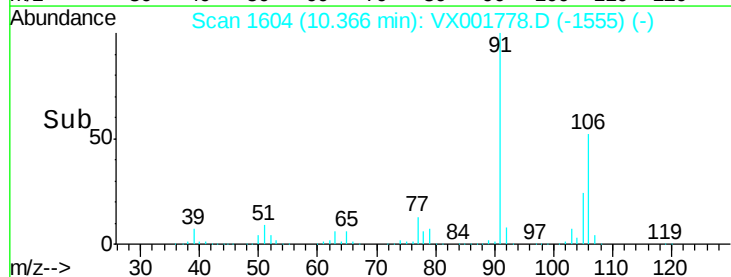
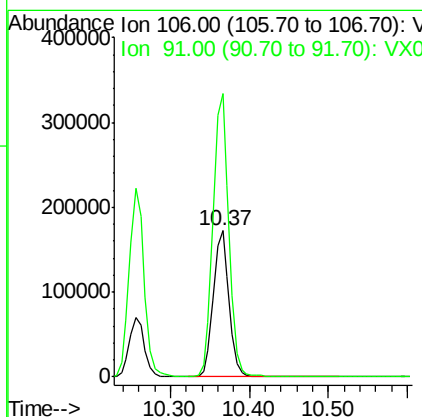
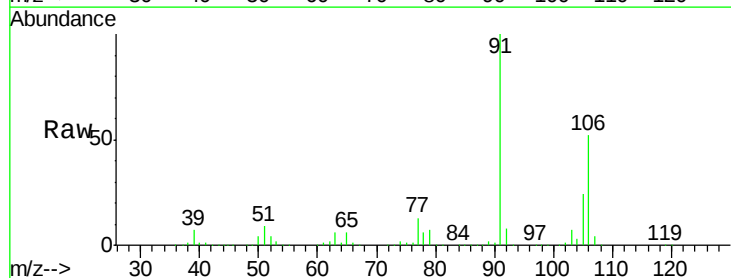
Manual Integrations
APPROVED

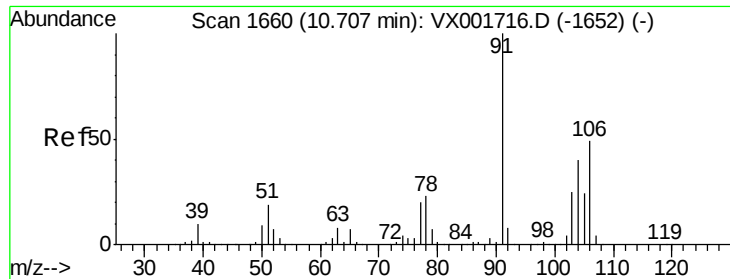
MMDadoda
5/17/2018 9:32:25 AM



#68
m/p-Xylenes
Concen: 43.36 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion: 106 Resp: 238391
Ion Ratio Lower Upper
106 100
91 196.7 155.4 233.2





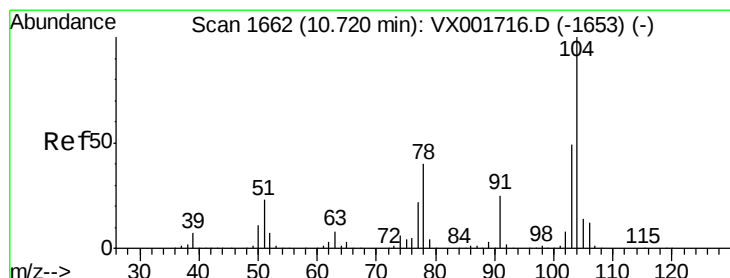
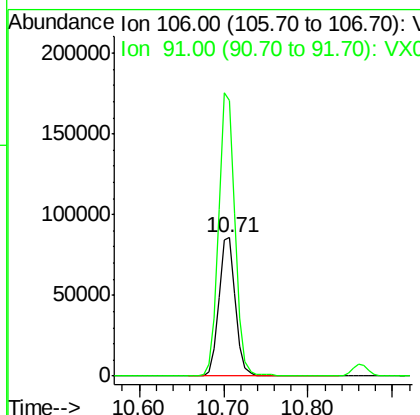
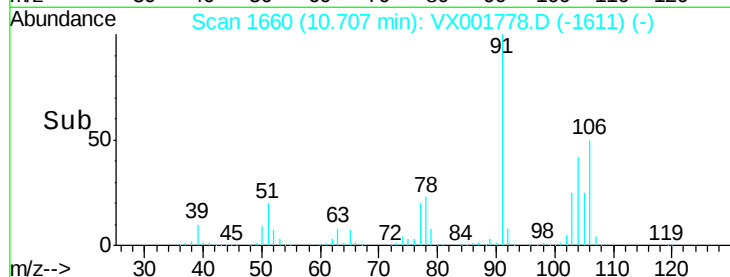
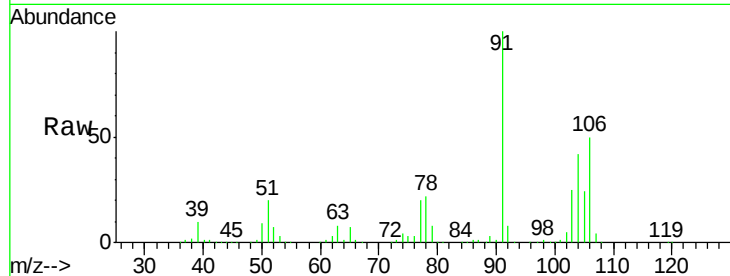
#69
o-Xylene
Concen: 22.19 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion:106 Resp: 116835
Ion Ratio Lower Upper
106 100
91 203.5 103.4 310.2

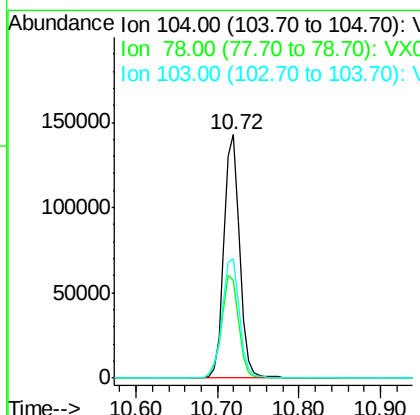
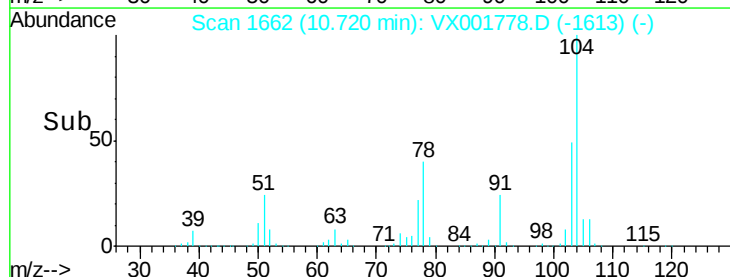
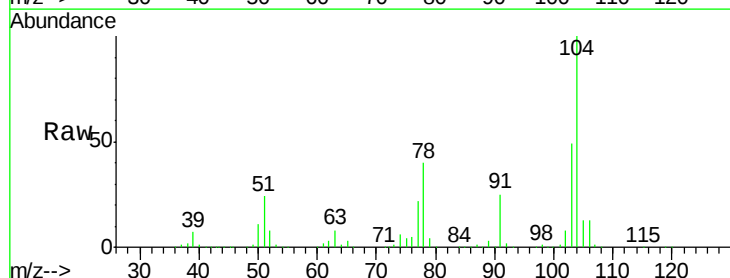
Manual Integrations
APPROVED

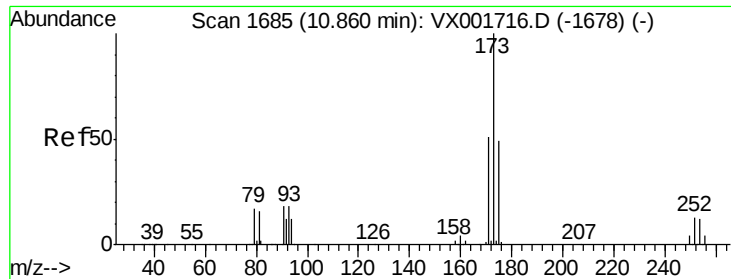
MMDadoda
5/17/2018 9:32:25 AM



#70
Styrene
Concen: 21.93 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion:104 Resp: 190471
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 54.4 43.7 65.5





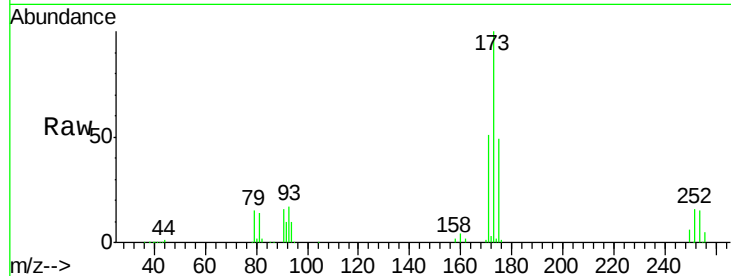
#71
Bromoform
Concen: 20.30 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

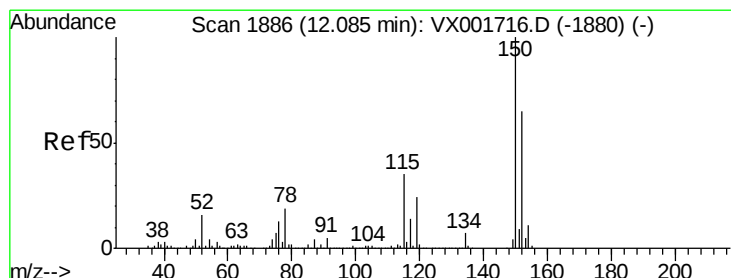
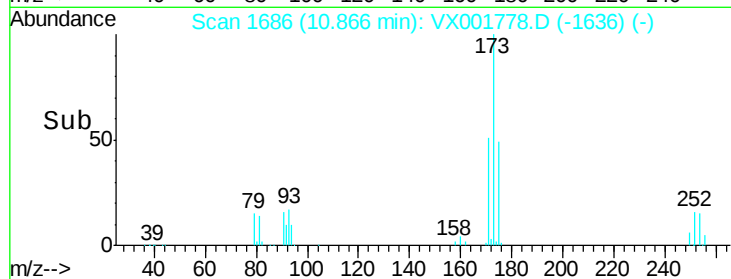
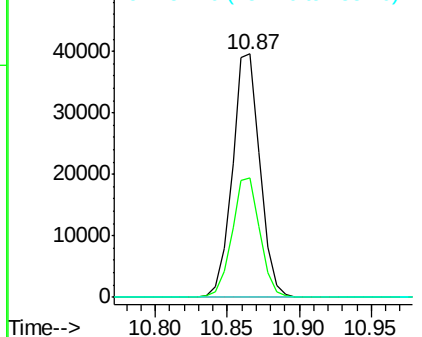
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM

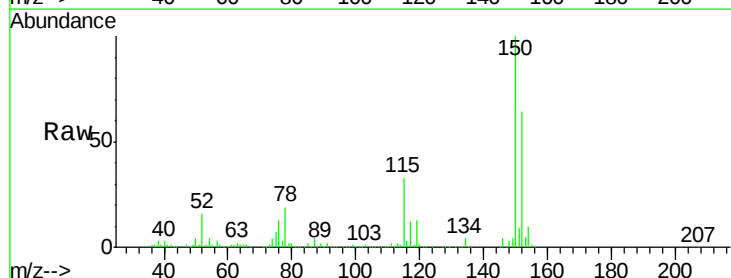


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

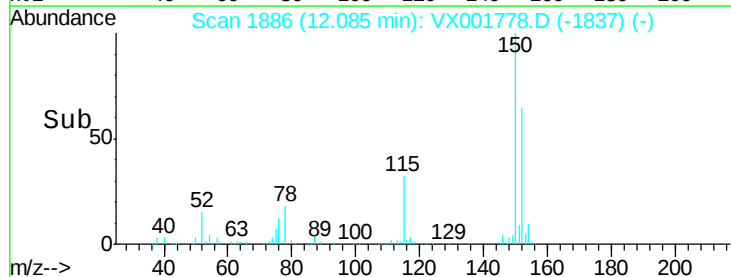
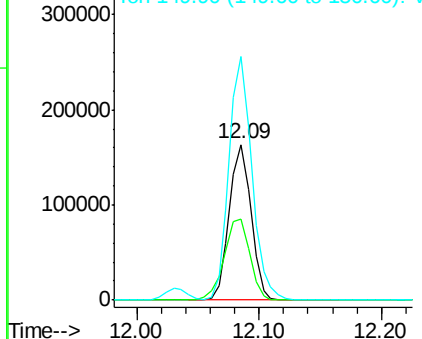


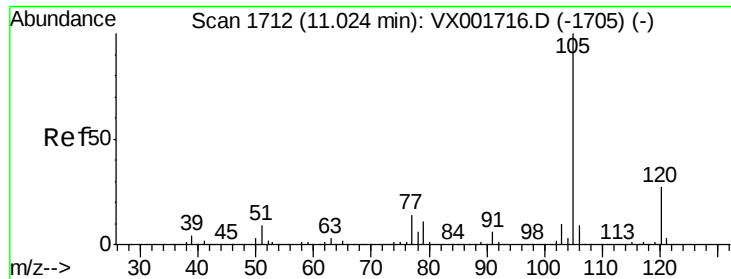
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	37.4	112.2
150	165.0	0.0	344.8



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





#73

Isopropylbenzene

Concen: 23.70 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 105 Resp: 312986

Ion Ratio Lower Upper

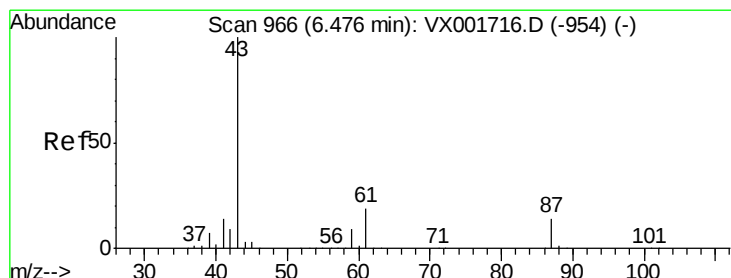
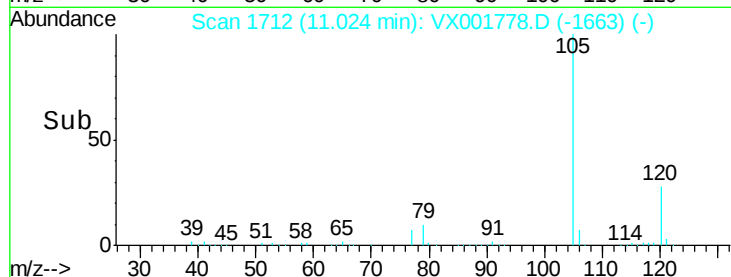
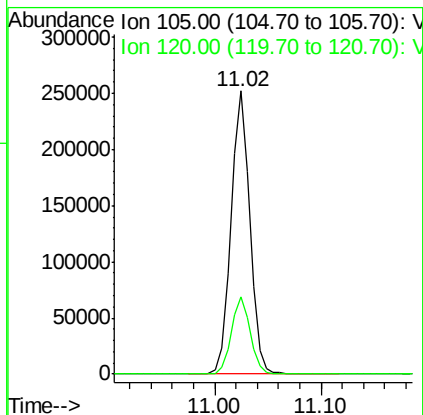
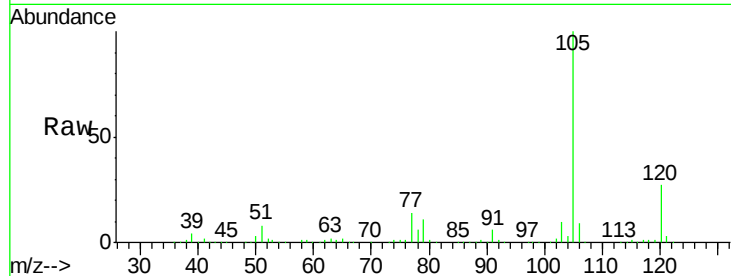
105 100

120 27.3 13.8 41.3

Manual Integrations
APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#74

N-ethyl acetate

Concen: 23.38 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion: 43 Resp: 147993

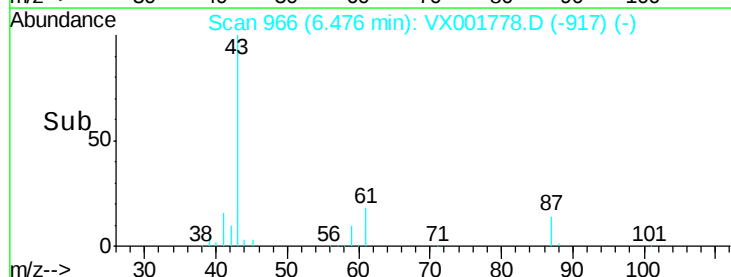
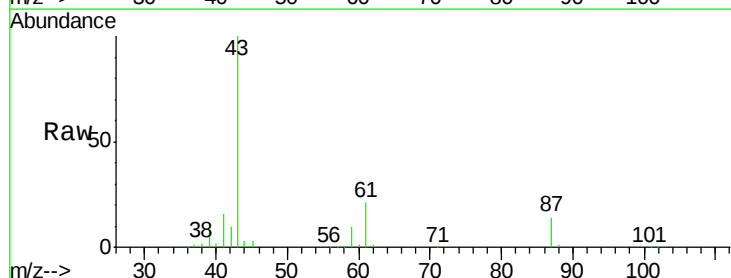
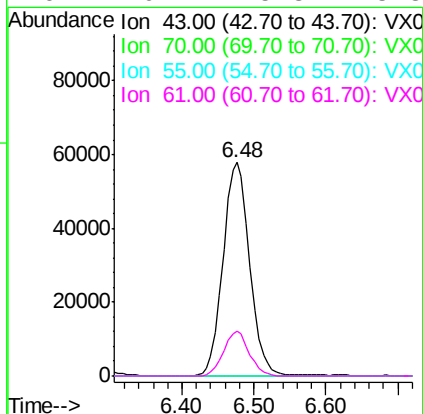
Ion Ratio Lower Upper

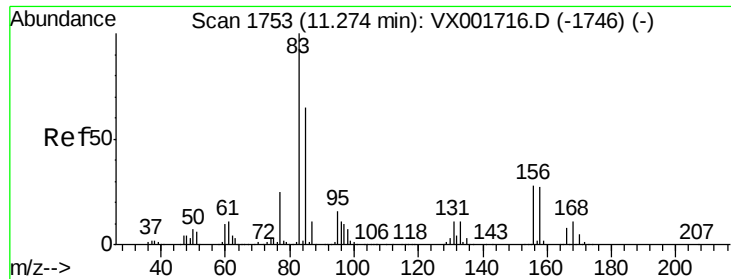
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.4 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.36 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

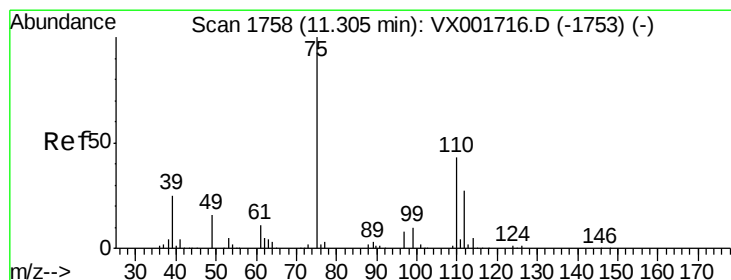
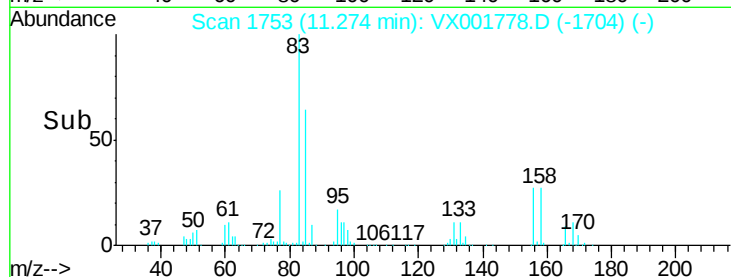
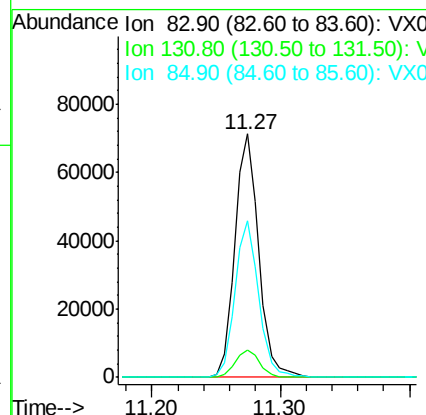
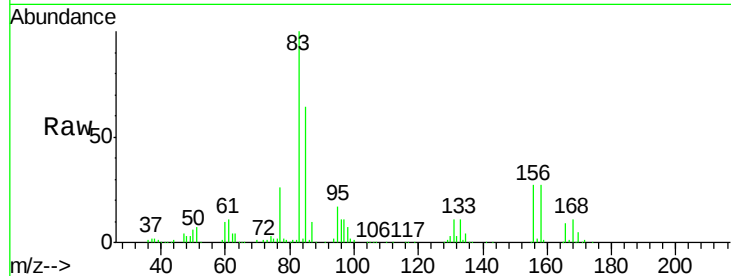
ClientSampleId :

VX0516WBS01

Tot Ion	83	Resp	92548
Ion Ratio	100	Lower	Upper
83	100		
131	11.4	5.7	17.0
85	64.2	32.7	98.1

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#76

1,2,3-Trichloropropane

Concen: 23.73 ug/l m

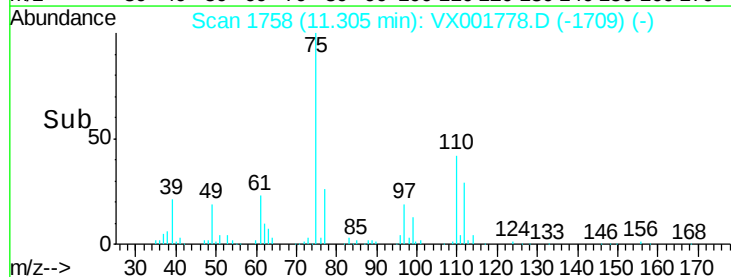
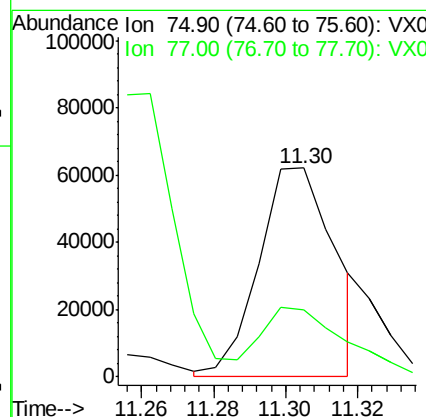
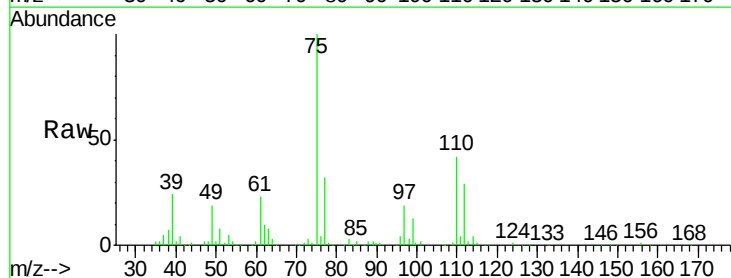
RT: 11.30 min Scan# 1758

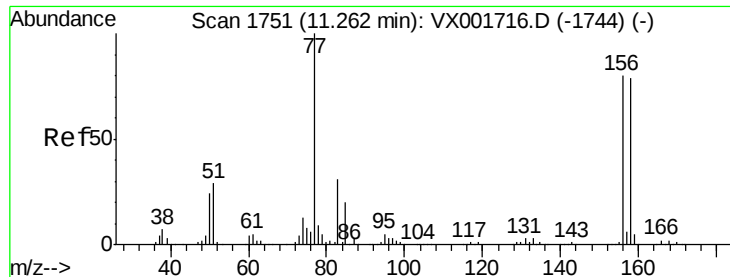
Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion	75	Resp	90470
Ion Ratio	100	Lower	Upper
75	100		
77	36.9	18.9	56.7





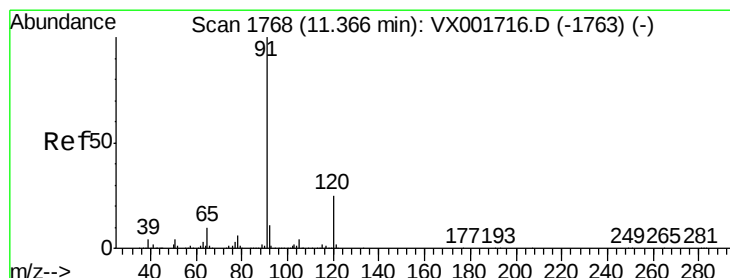
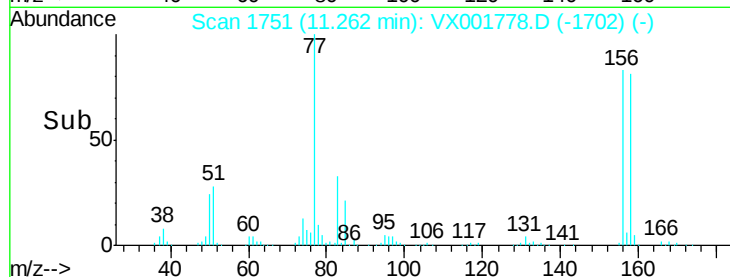
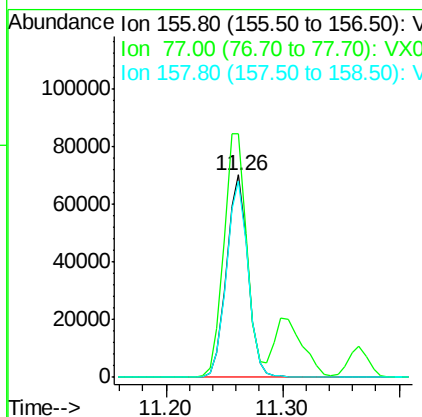
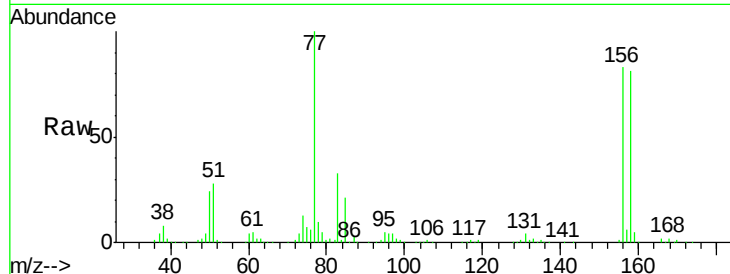
#77
Bromobenzene
Concen: 23.01 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.4	65.3	196.0
158	97.9	49.1	147.3

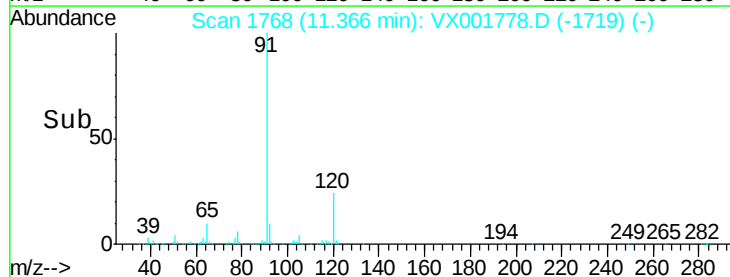
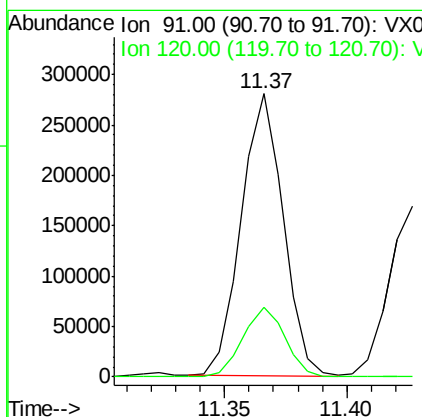
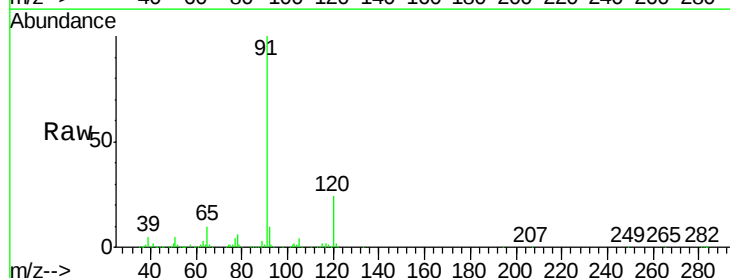
Manual Integrations
APPROVED

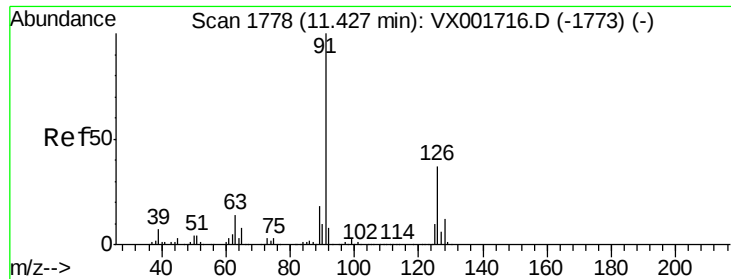
MMDadoda
5/17/2018 9:32:25 AM



#78
n-propylbenzene
Concen: 22.52 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.5	37.5





#79

2-Chlorotoluene

Concen: 23.34 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 91 Resp: 207616

Ion Ratio Lower Upper

91 100

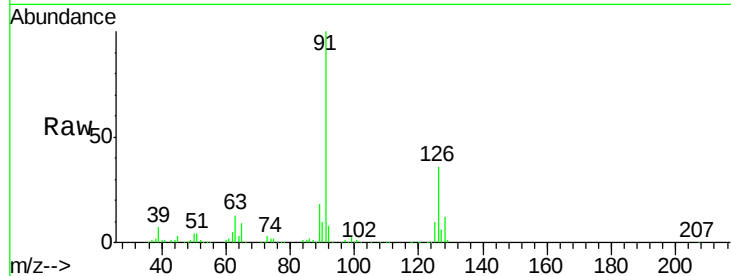
126 36.6 18.4 55.4

Manual Integrations

APPROVED

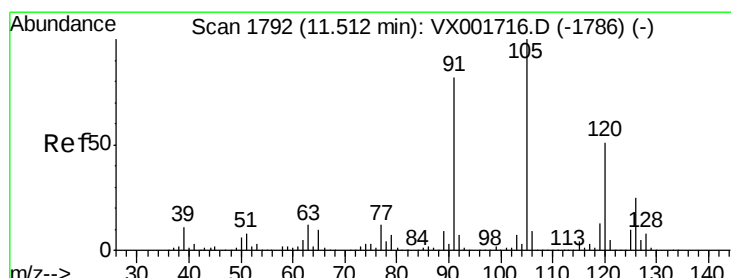
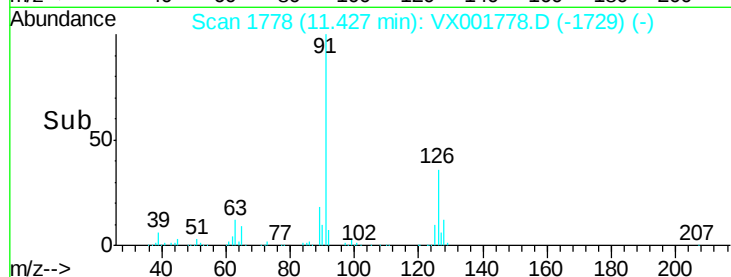
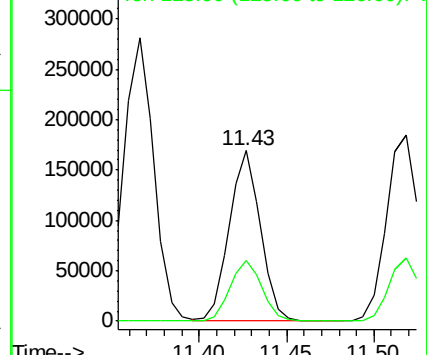
MMDadoda

5/17/2018 9:32:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.72 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001778.D

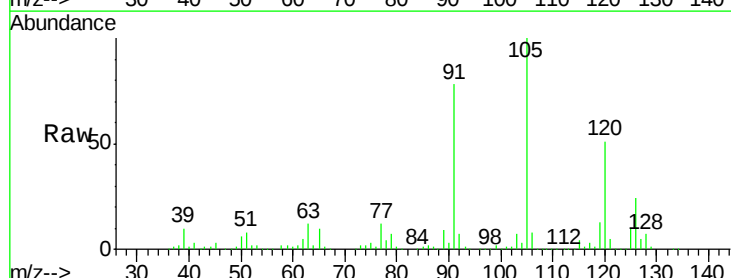
Acq: 16 May 2018 21:24

Tgt Ion: 105 Resp: 256902

Ion Ratio Lower Upper

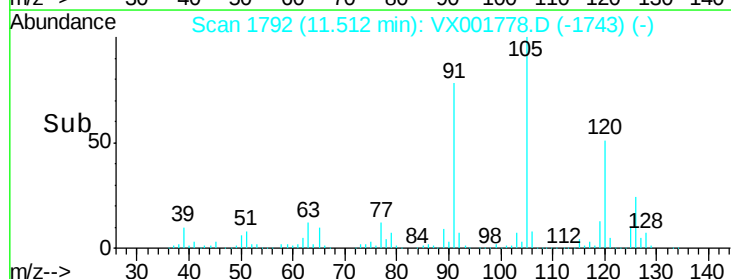
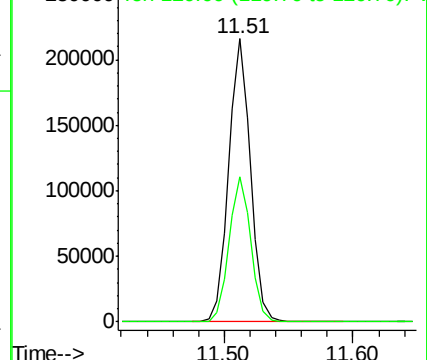
105 100

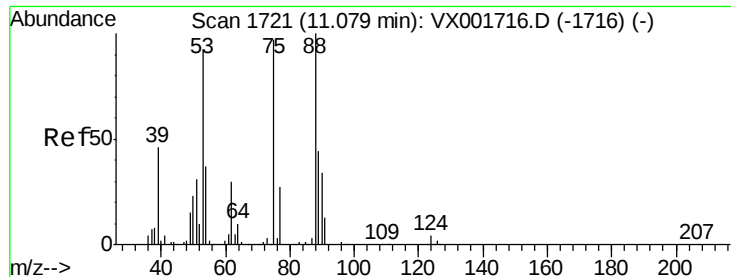
120 51.5 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.45 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 75 Resp: 22116

Ion Ratio Lower Upper

75 100

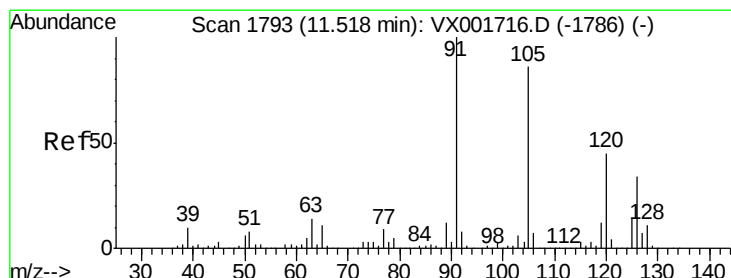
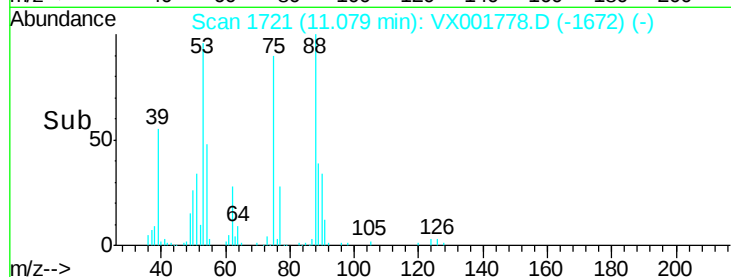
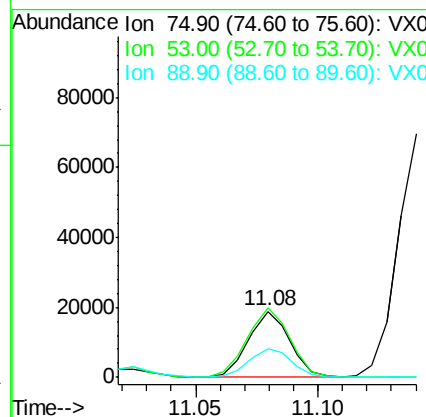
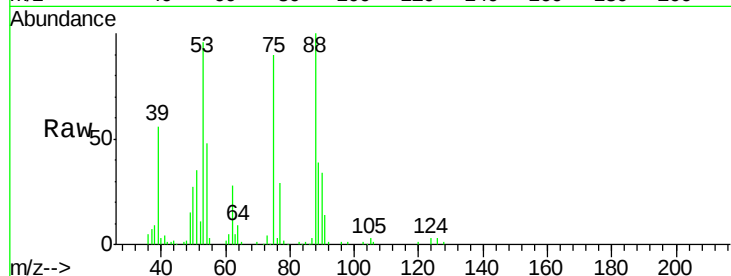
53 109.5 79.4 119.2

89 45.4 38.8 58.2

Manual Integrations
APPROVED

MMDadoda

5/17/2018 9:32:25 AM



#82

4-Chlorotoluene

Concen: 22.44 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001778.D

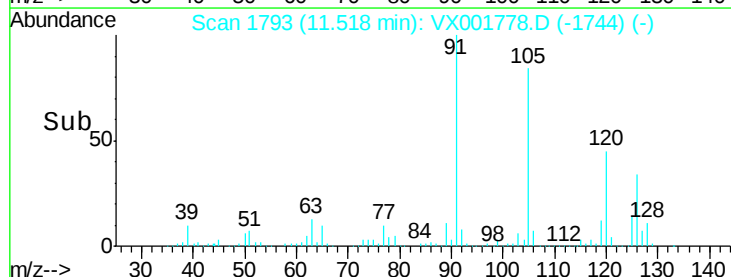
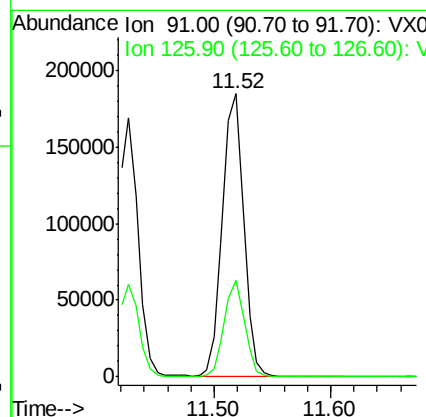
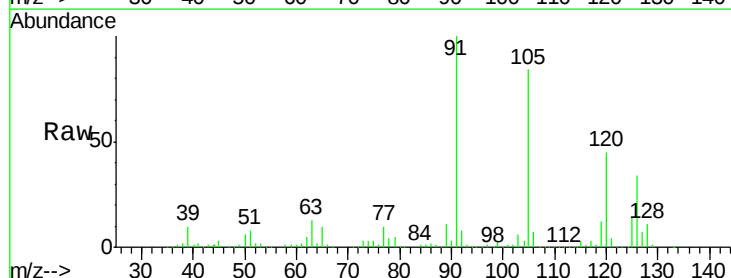
Acq: 16 May 2018 21:24

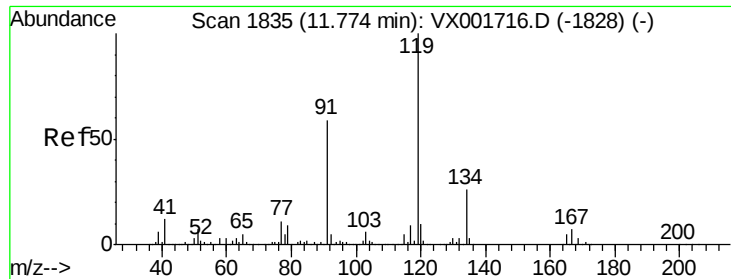
Tgt Ion: 91 Resp: 235170

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





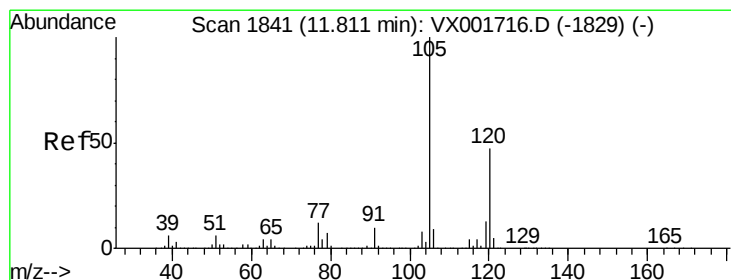
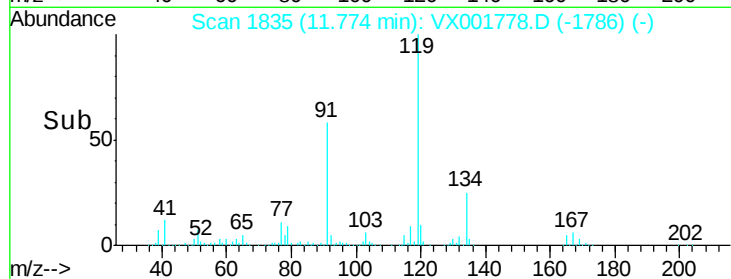
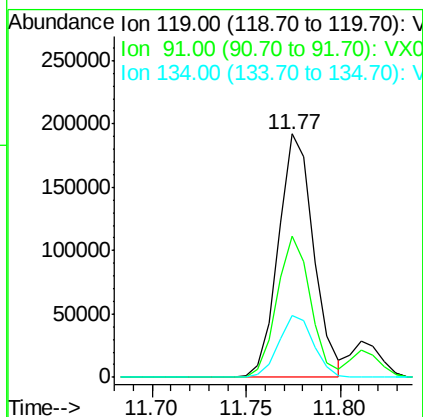
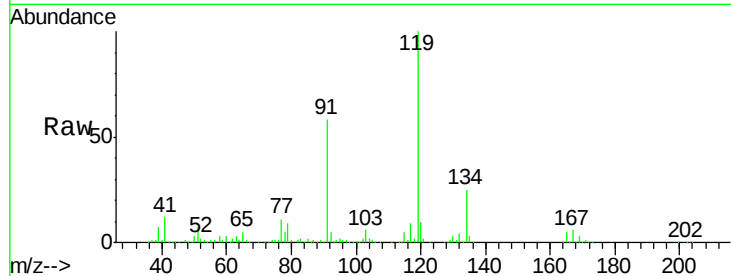
#83
 tert-Butylbenzene
 Concen: 23.03 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.7	83.0
134	25.5	12.7	38.1

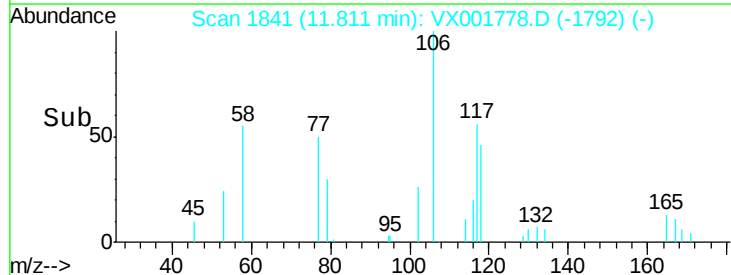
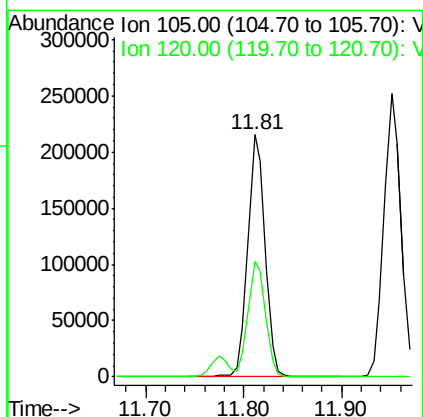
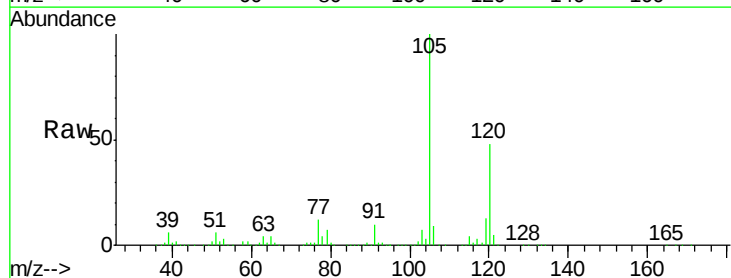
Manual Integrations
 APPROVED

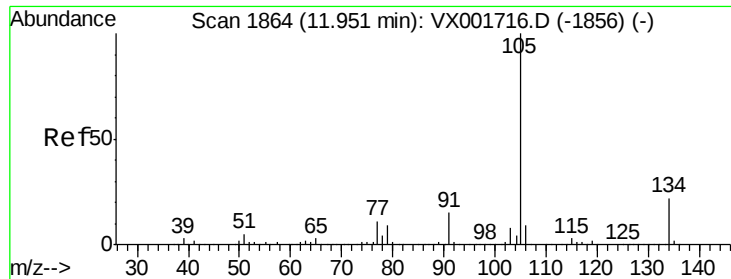
MMDadoda
 5/17/2018 9:32:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.61 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 23.03 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:105 Resp: 306510

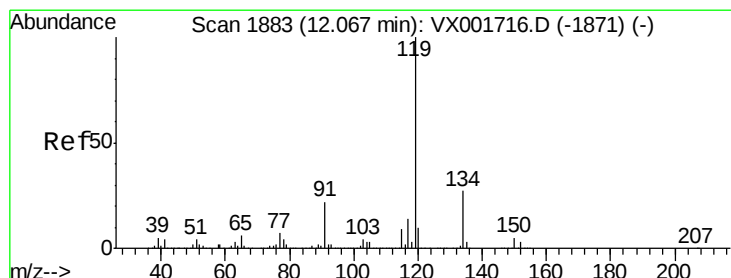
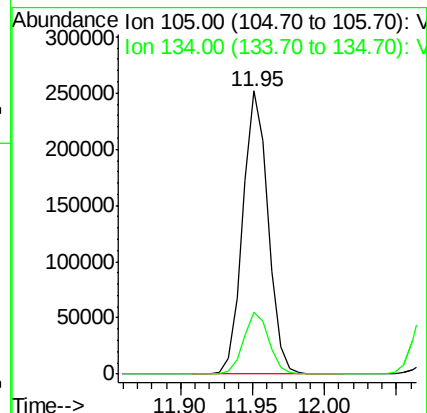
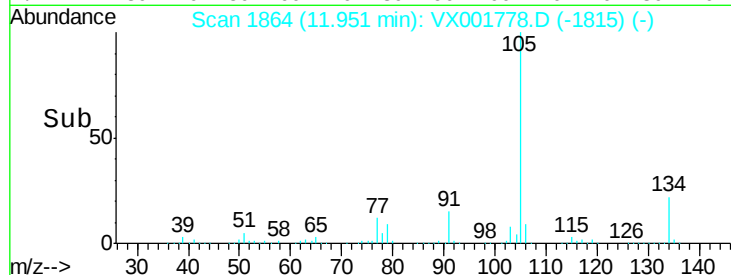
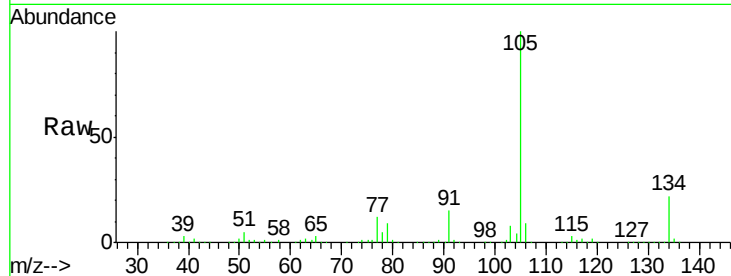
Ion Ratio Lower Upper

105 100

134 21.7 10.9 32.6

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#86

p-Isopropyltoluene

Concen: 22.52 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

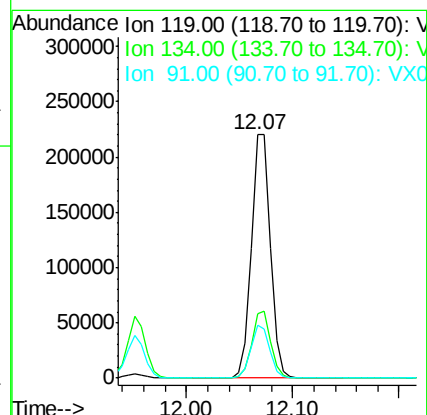
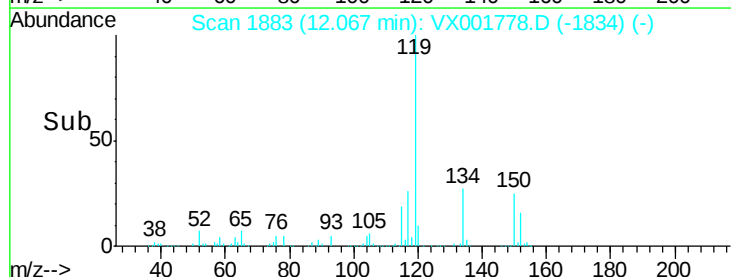
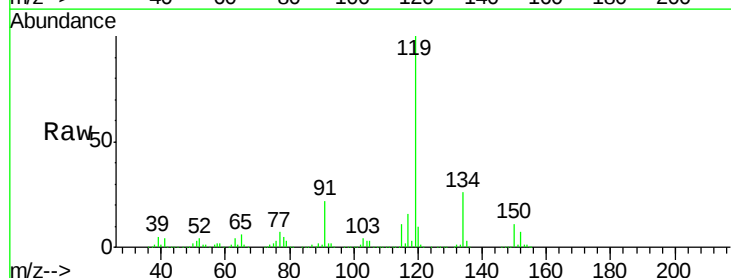
Tgt Ion:119 Resp: 277258

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 21.5 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 21.85 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

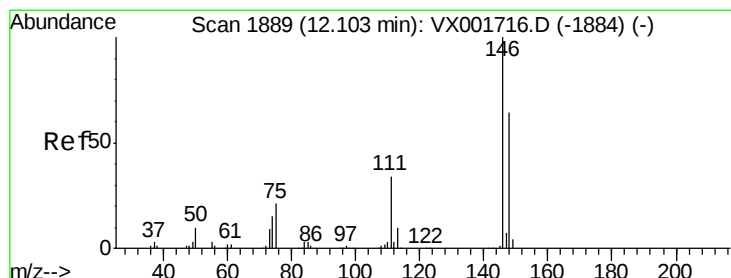
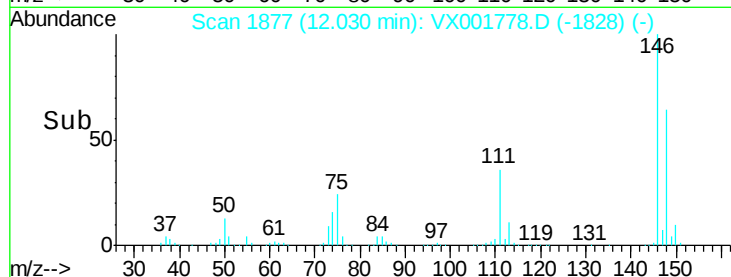
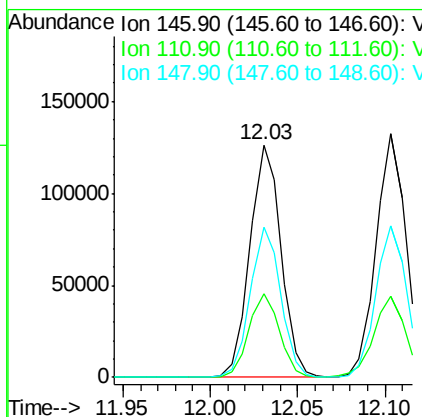
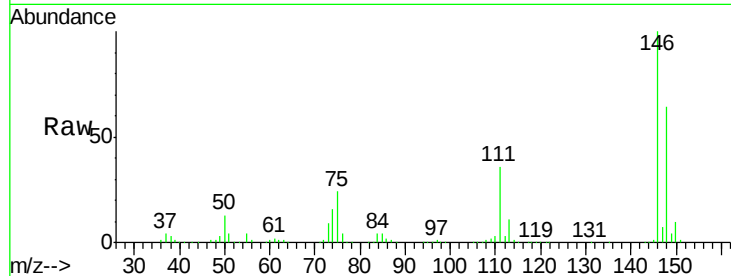
ClientSampleId :

VX0516WBS01

Tot Ion:	146	Resp:	156794
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.8	53.4
148	63.4	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#88

1,4-Dichlorobenzene

Concen: 21.33 ug/l

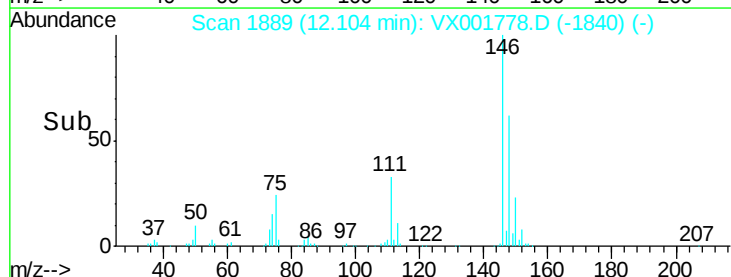
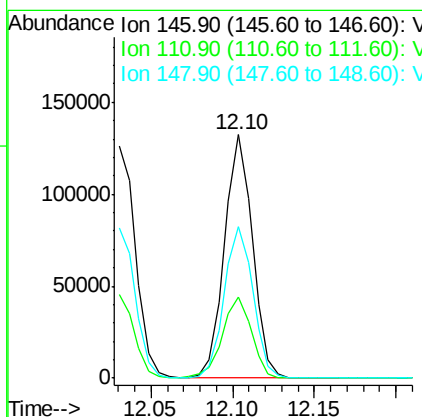
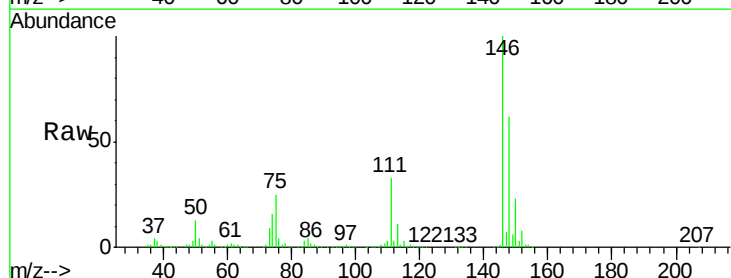
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	146	Resp:	158276
Ion Ratio	Lower	Upper	
146	100		
111	35.0	17.3	52.0
148	64.1	32.3	96.9





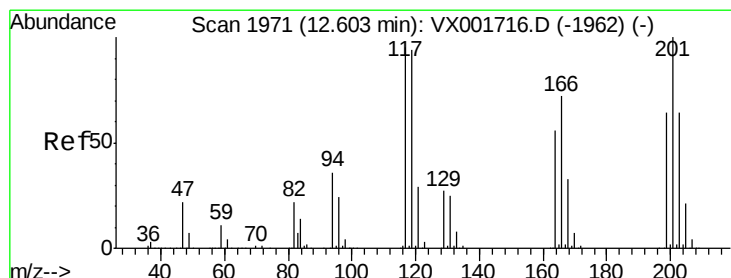
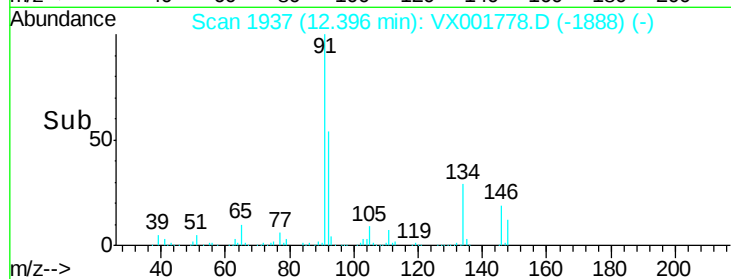
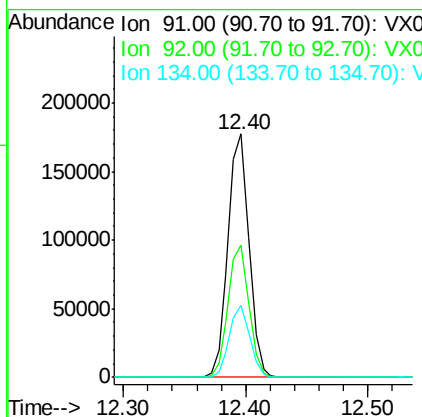
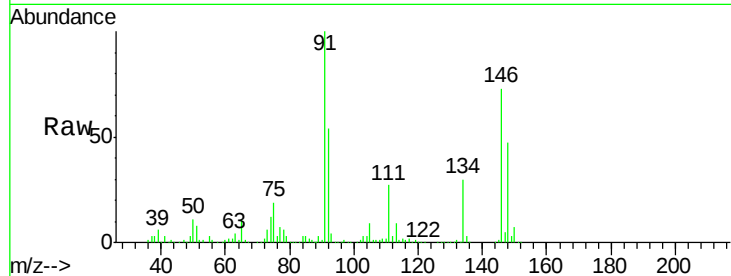
#89
n-Butylbenzene
Concen: 19.78 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	210605		
92	53.8		27.3	81.9
134	28.7		14.7	44.1

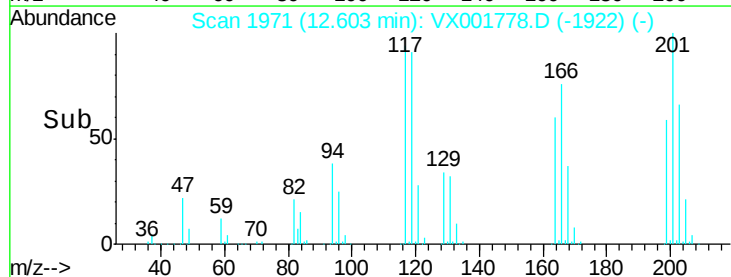
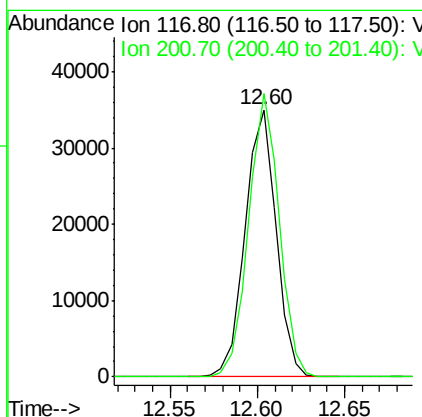
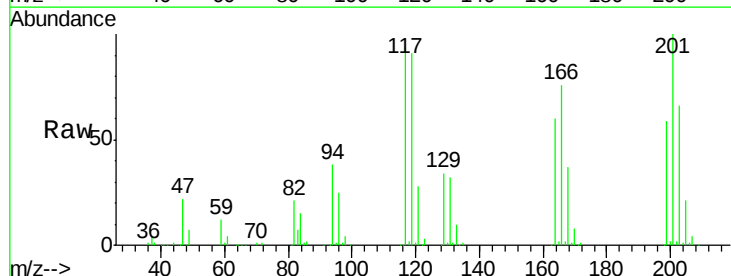
Manual Integrations
APPROVED

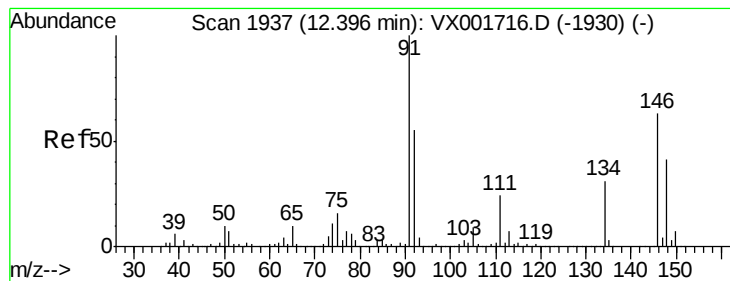
MMDadoda
5/17/2018 9:32:25 AM



#90
Hexachloroethane
Concen: 22.53 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001778.D
Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43088		
201	104.5		51.9	155.7





#91

1,2-Dichlorobenzene

Concen: 22.66 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:146 Resp: 162014

Ion Ratio Lower Upper

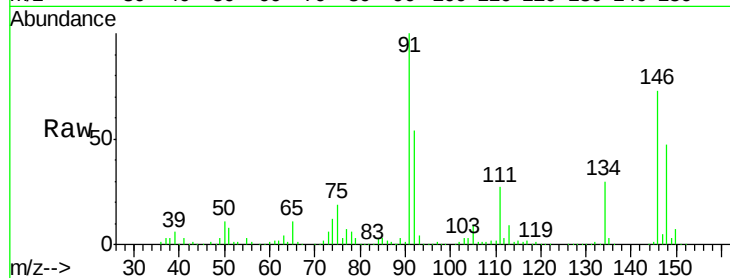
146 100

111 36.3 18.6 56.0

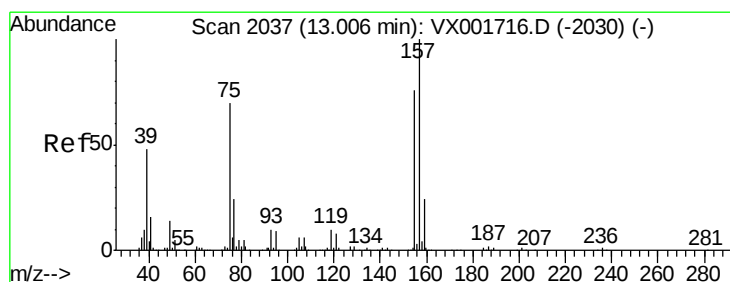
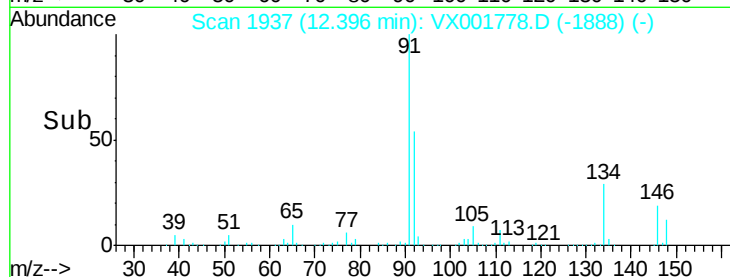
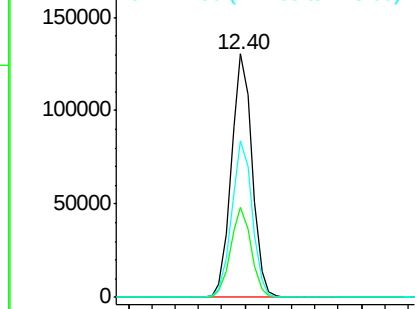
148 63.3 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



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: 22.69 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

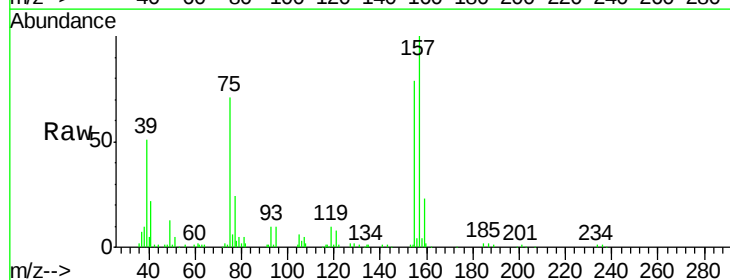
Tgt Ion: 75 Resp: 19183

Ion Ratio Lower Upper

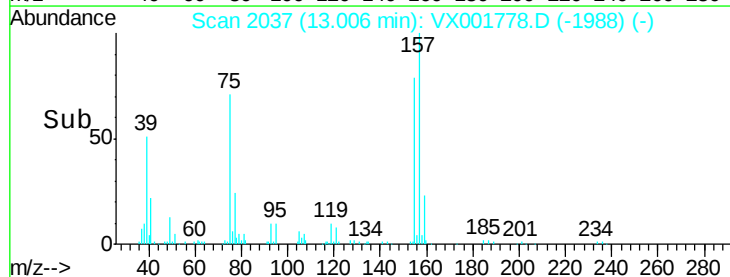
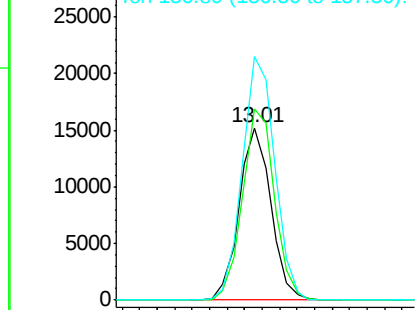
75 100

155 111.6 53.9 161.8

157 144.8 71.0 213.2



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





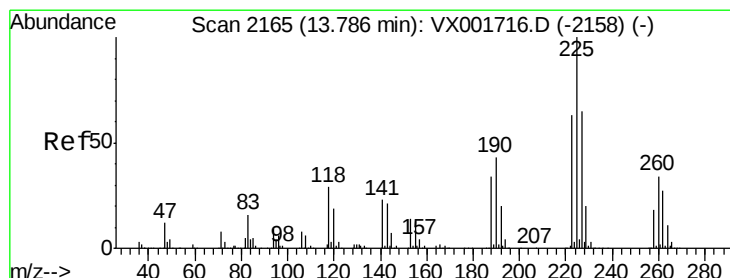
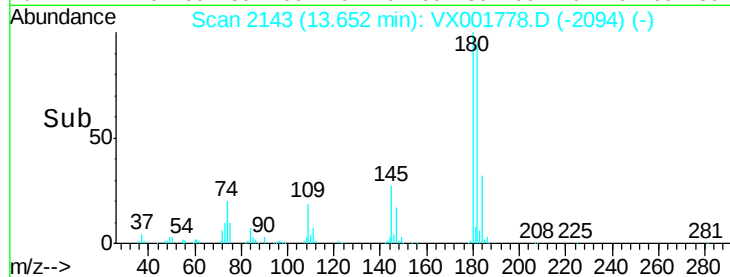
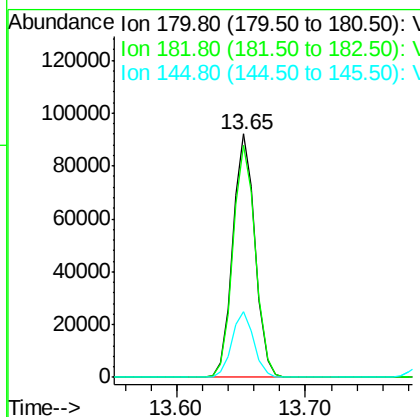
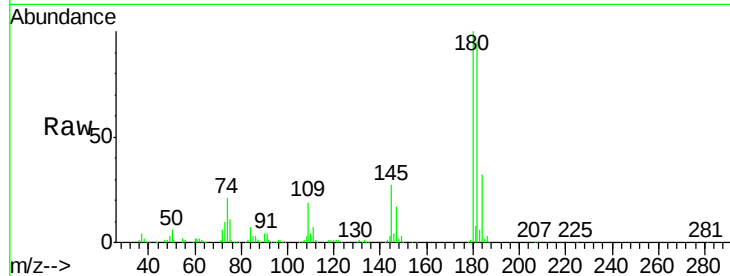
#93
 1,2,4-Trichlorobenzene
 Concen: 19.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111058		
182	96.2	47.6	142.9	
145	26.7	13.4	40.1	

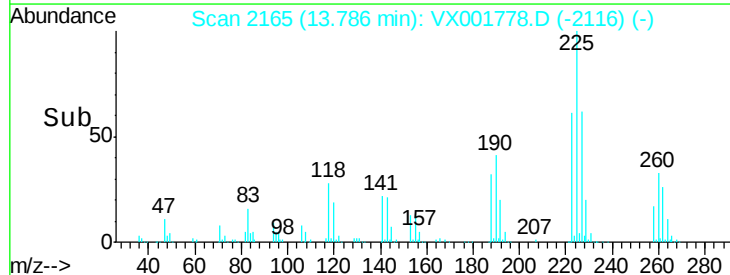
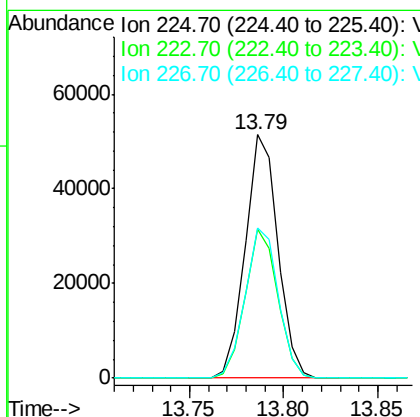
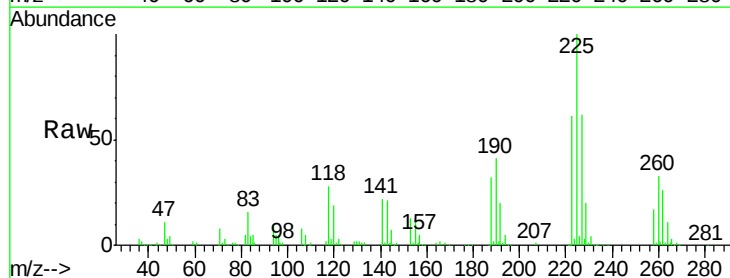
Manual Integrations
 APPROVED

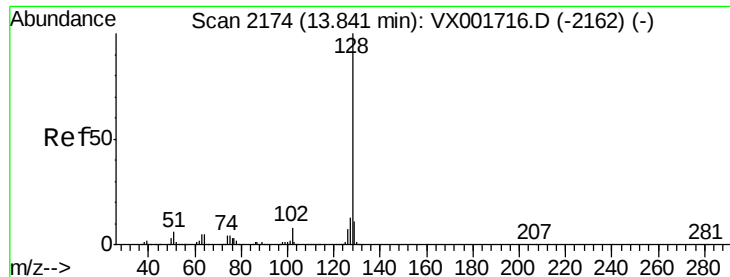
MMDadoda
 5/17/2018 9:32:25 AM



#94
 Hexachlorobutadiene
 Concen: 20.19 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001778.D
 Acq: 16 May 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61781		
223	61.0	31.1	93.5	
227	62.9	31.9	95.5	





#95

Naphthalene

Concen: 21.99 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Instrument :

MSVOA_X

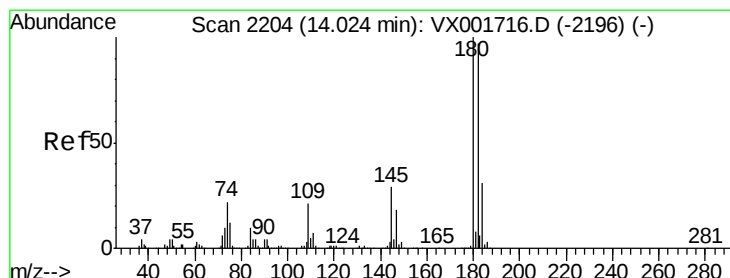
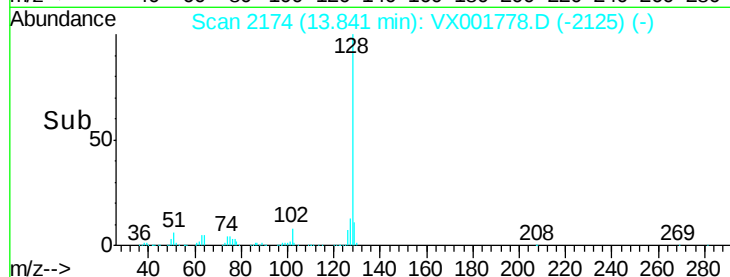
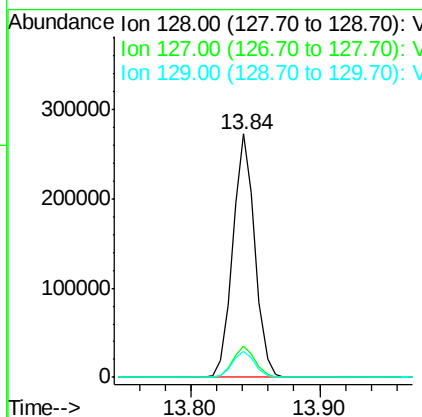
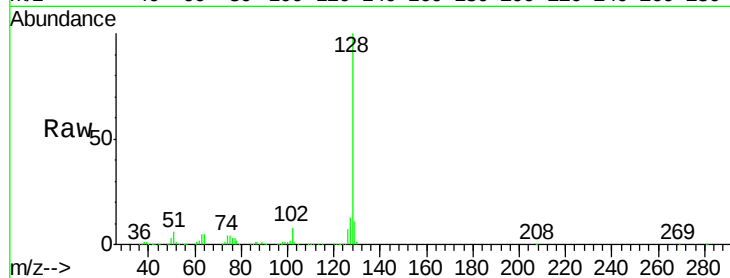
ClientSampleId :

VX0516WBS01

Tot Ion:	128	Resp:	325744
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.86 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001778.D

Acq: 16 May 2018 21:24

Tgt Ion:	180	Resp:	119717
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	28.2	14.2	42.8

