

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003009.D
 Acq On : 29 Jun 2018 02:44
 Operator : JC/MD
 Sample : VX0628WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 12:22:52 PM

Quant Time: Jun 29 08:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	189082	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
35) Dibromofluoromethane	5.51	113	154759	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	8.72	98	538022	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	202900	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62904	24.44	ug/l	98
3) Chloromethane	1.32	50	59493	21.72	ug/l	99
4) Vinyl Chloride	1.40	62	65242	20.13	ug/l #	87
5) Bromomethane	1.64	94	29509	17.75	ug/l	99
6) Chloroethane	1.73	64	41271	20.46	ug/l	99
7) Trichlorofluoromethane	1.93	101	105021	19.21	ug/l	95
8) Diethyl Ether	2.19	74	37378	18.81	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	58658	18.52	ug/l	99
10) Methyl Iodide	2.51	142	45714	18.69	ug/l	99
11) Tert butyl alcohol	3.07	59	81150	102.86	ug/l	97
12) 1,1-Dichloroethene	2.37	96	54487	19.28	ug/l	94
13) Acrolein	2.30	56	39668	93.39	ug/l	99
14) Allyl chloride	2.73	41	102817	18.46	ug/l	97
15) Acrylonitrile	3.15	53	163918	97.27	ug/l	100
16) Acetone	2.45	43	149710	91.28	ug/l	96
17) Carbon Disulfide	2.57	76	152904	20.31	ug/l	99
18) Methyl Acetate	2.78	43	79460	17.33	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	193225	19.02	ug/l	99
20) Methylene Chloride	2.86	84	60951	19.10	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	58062	18.86	ug/l	96
22) Diisopropyl ether	3.88	45	211237	19.84	ug/l	98
23) Vinyl Acetate	3.83	43	902285	100.08	ug/l	98
24) 1,1-Dichloroethane	3.70	63	114001	19.70	ug/l	99
25) 2-Butanone	4.71	43	244107	100.29	ug/l	98
26) 2,2-Dichloropropane	4.59	77	64172	13.64	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	69377	20.10	ug/l	97
28) Bromochloromethane	5.02	49	55922	20.19	ug/l	93
29) Tetrahydrofuran	5.17	42	155573	99.67	ug/l	96
30) Chloroform	5.22	83	116869	19.68	ug/l	97
31) Cyclohexane	5.58	56	97158	19.56	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	104533	20.00	ug/l	99
36) 1,1-Dichloropropene	5.80	75	85150	20.28	ug/l	99
37) Ethyl Acetate	4.87	43	95962	21.23	ug/l	99
38) Carbon Tetrachloride	5.79	117	91794	19.92	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003009.D
 Acq On : 29 Jun 2018 02:44
 Operator : JC/MD
 Sample : VX0628WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0628WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 12:22:52 PM

Quant Time: Jun 29 08:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87817	17.96	ug/l	99
40) Benzene	6.15	78	250785	20.56	ug/l	99
41) Methacrylonitrile	5.07	41	53599	20.59	ug/l	97
42) 1,2-Dichloroethane	6.20	62	96570	19.60	ug/l	99
43) Isopropyl Acetate	6.47	43	147092	19.40	ug/l	99
44) Trichloroethene	7.22	130	71798	19.74	ug/l	93
45) 1,2-Dichloropropane	7.52	63	62435	19.29	ug/l	97
46) Dibromomethane	7.67	93	43775	19.49	ug/l	97
47) Bromodichloromethane	7.90	83	82069	19.77	ug/l	94
48) Methyl methacrylate	7.78	41	76661	19.62	ug/l	97
49) 1,4-Dioxane	7.76	88	30399	399.94	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	476235	100.39	ug/l	99
52) Toluene	8.79	92	157296	20.13	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	86783	18.46	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	80538	17.80	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	64664	20.13	ug/l	98
56) Ethyl methacrylate	9.18	69	93291	19.88	ug/l	96
57) 1,3-Dichloropropane	9.38	76	105445	19.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	232185	102.54	ug/l	98
59) 2-Hexanone	9.50	43	362726	100.61	ug/l	98
60) Dibromochloromethane	9.59	129	65604	19.40	ug/l	100
61) 1,2-Dibromoethane	9.68	107	67400	20.01	ug/l	99
64) Tetrachloroethene	9.34	164	79462	19.89	ug/l	98
65) Chlorobenzene	10.14	112	180075	19.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	65276	19.69	ug/l	99
67) Ethyl Benzene	10.26	91	298850	19.83	ug/l	99
68) m/p-Xylenes	10.36	106	232328	39.99	ug/l	100
69) o-Xylene	10.70	106	113704	20.10	ug/l	98
70) Styrene	10.71	104	187569	20.41	ug/l	99
71) Bromoform	10.86	173	50969	19.59	ug/l #	99
73) Isopropylbenzene	11.02	105	302995	20.40	ug/l	100
74) N-amyl acetate	6.47	43	147092	20.24	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	94106	20.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91644m	22.91	ug/l	
77) Bromobenzene	11.26	156	84672	20.02	ug/l	98
78) n-propylbenzene	11.37	91	335955	19.87	ug/l	99
79) 2-Chlorotoluene	11.43	91	206381	20.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	250310	20.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19086	16.28	ug/l	94
82) 4-Chlorotoluene	11.51	91	242541	20.01	ug/l	100
83) tert-Butylbenzene	11.77	119	242131	19.64	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	260183	20.07	ug/l	99
85) sec-Butylbenzene	11.95	105	285101	19.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	258869	19.25	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	151608	19.62	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	154956	19.49	ug/l	99
89) n-Butylbenzene	12.39	91	210870	18.02	ug/l	99
90) Hexachloroethane	12.60	117	34015	17.01	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	155268	19.91	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19227	18.69	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
Data File : VX003009.D
Acq On : 29 Jun 2018 02:44
Operator : JC/MD
Sample : VX0628WBS03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

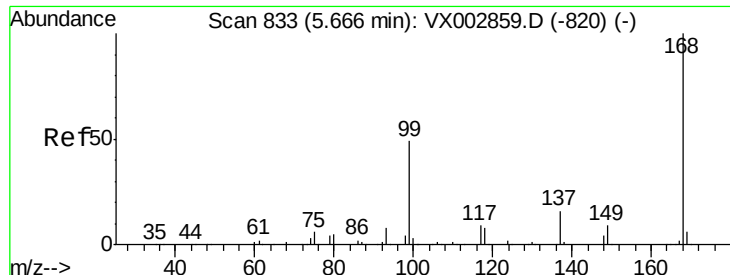
Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM

Quant Time: Jun 29 08:06:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106089	18.69	ug/l	99
94) Hexachlorobutadiene	13.79	225	50991	18.02	ug/l	99
95) Naphthalene	13.84	128	308116	20.38	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109735	19.36	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion:168 Resp: 286526

Ion Ratio Lower Upper

168 100

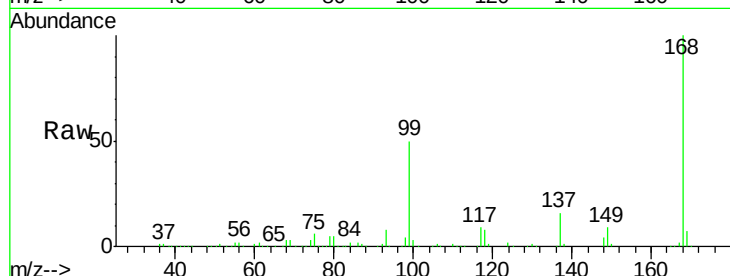
99 49.6 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

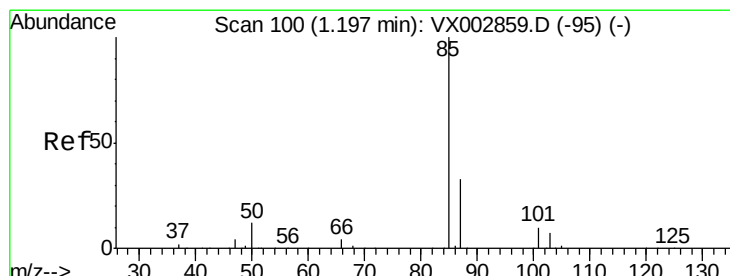
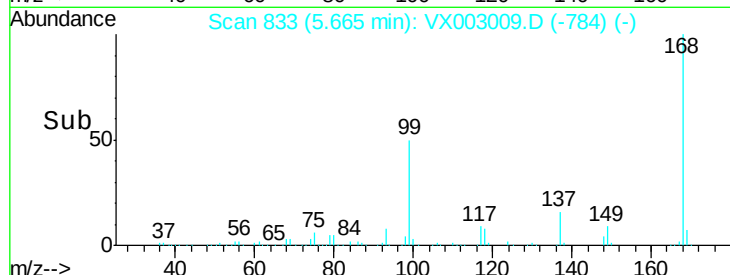
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 24.44 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003009.D

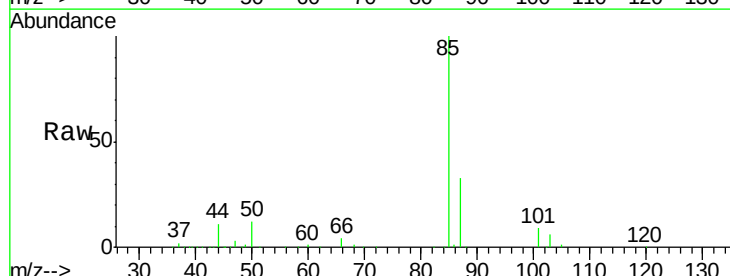
Acq: 29 Jun 2018 02:44

Tgt Ion: 85 Resp: 62904

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

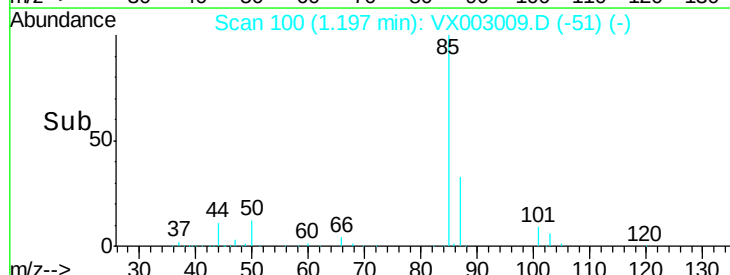
40000

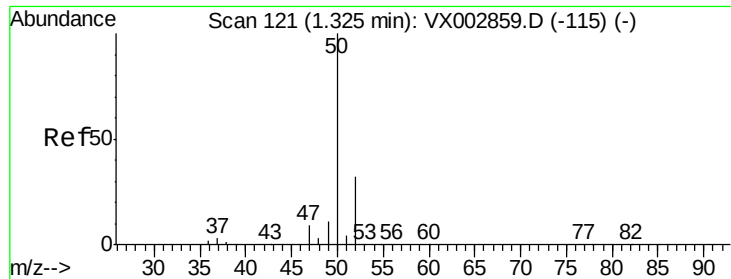
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.72 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 50 Resp: 59493

Ion Ratio Lower Upper

50 100

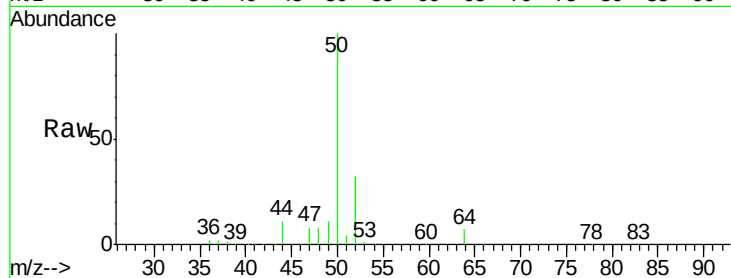
52 32.5 25.7 38.5

Manual Integrations

APPROVED

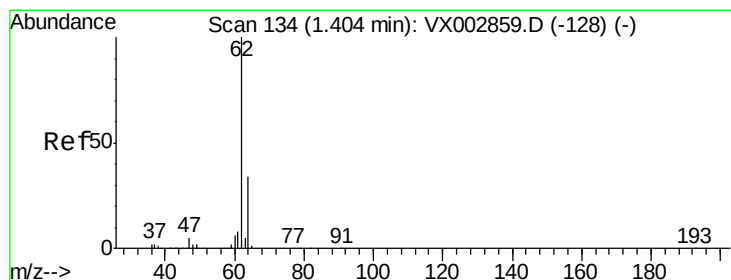
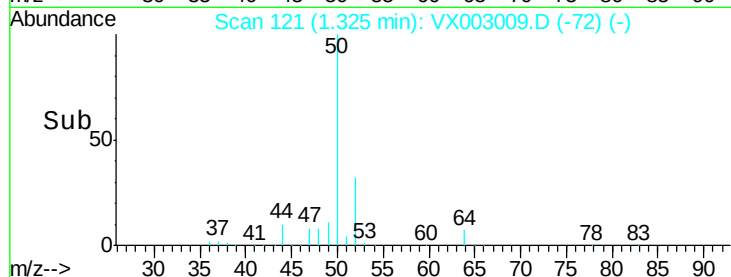
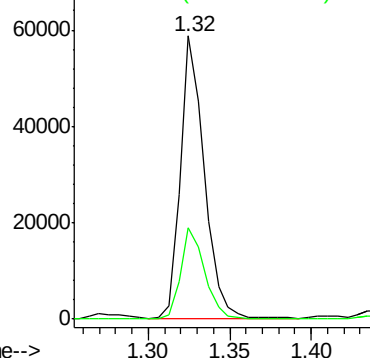
MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.13 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003009.D

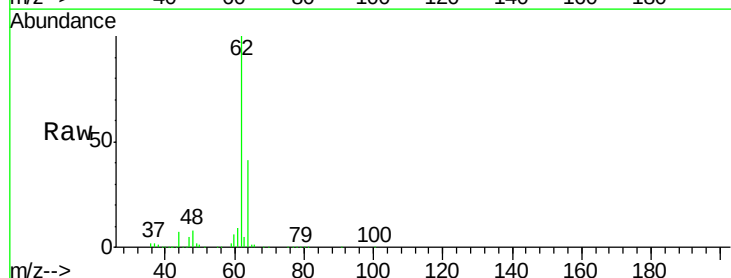
Acq: 29 Jun 2018 02:44

Tgt Ion: 62 Resp: 65242

Ion Ratio Lower Upper

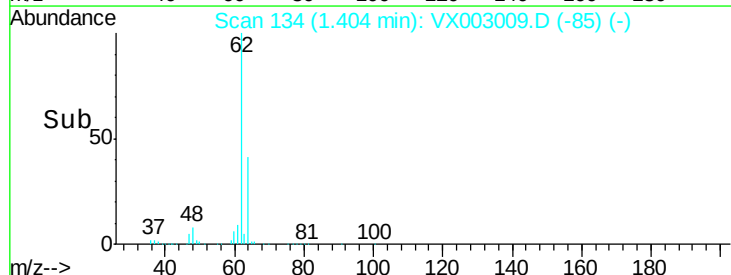
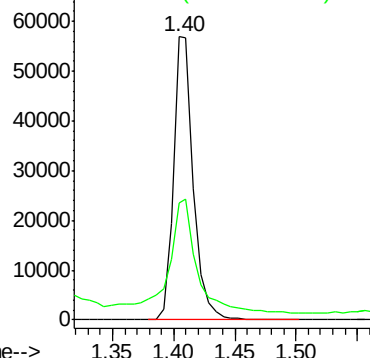
62 100

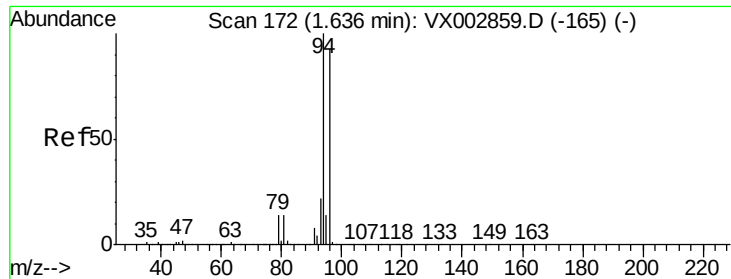
64 38.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 94 Resp: 29509

Ion Ratio Lower Upper

94 100

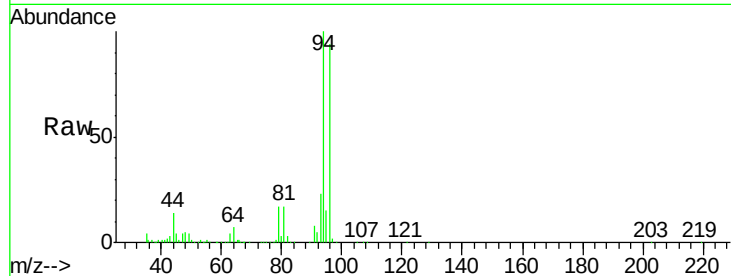
96 94.1 74.9 112.3

Manual Integrations

APPROVED

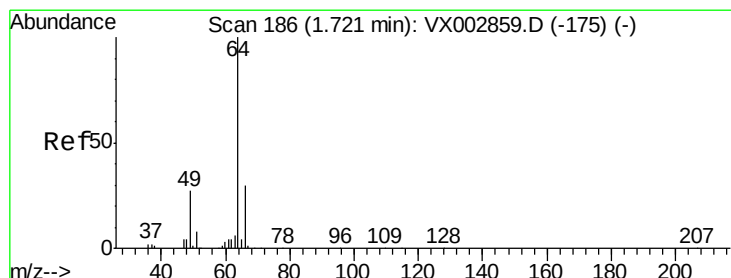
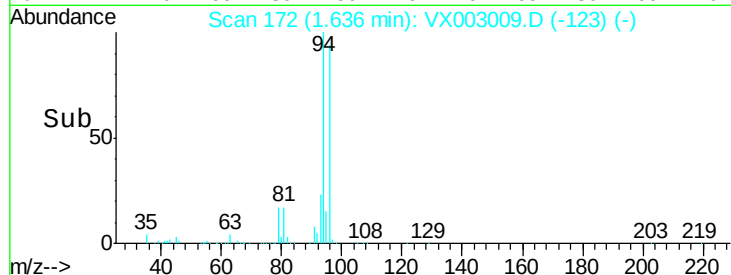
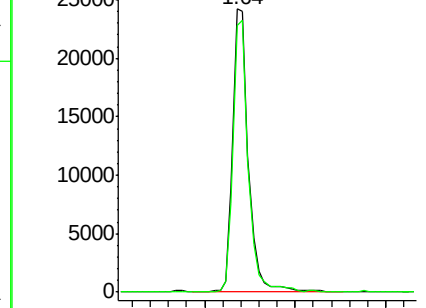
MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003009.D

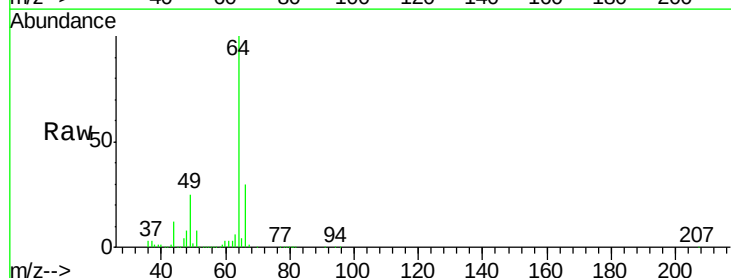
Acq: 29 Jun 2018 02:44

Tgt Ion: 64 Resp: 41271

Ion Ratio Lower Upper

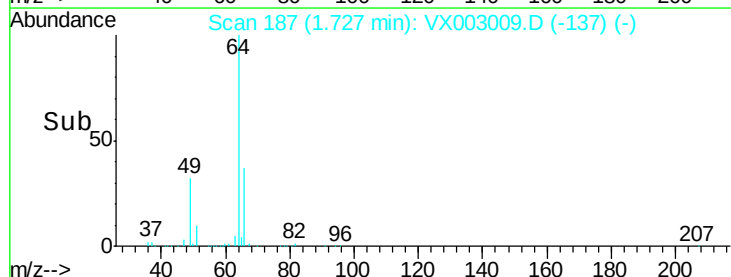
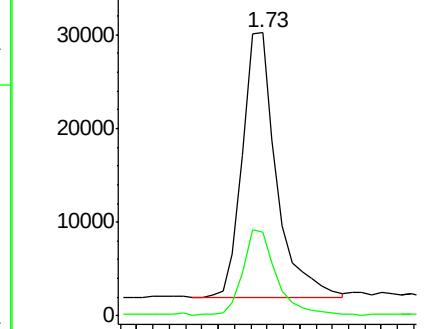
64 100

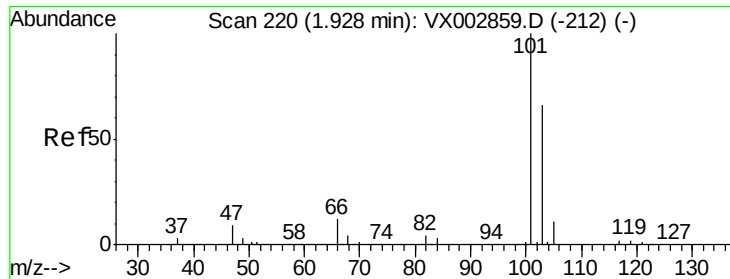
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

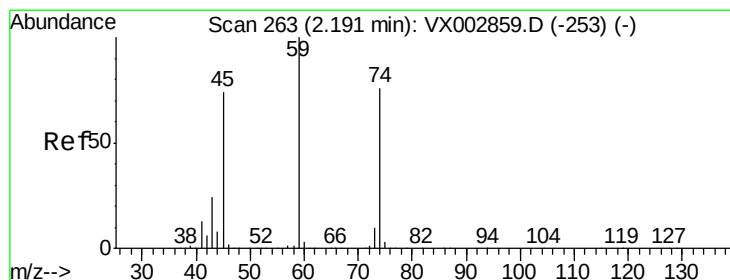
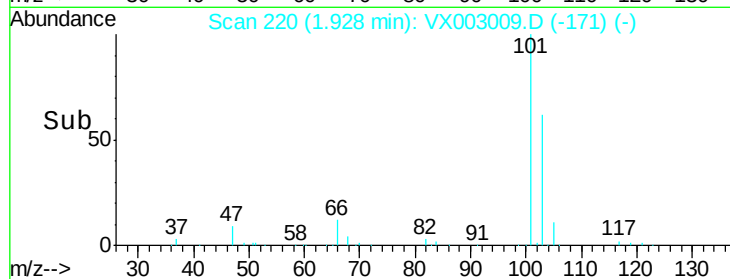
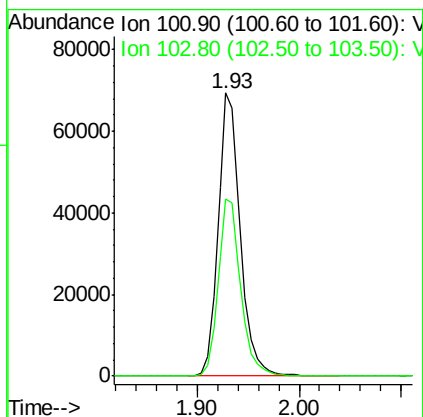
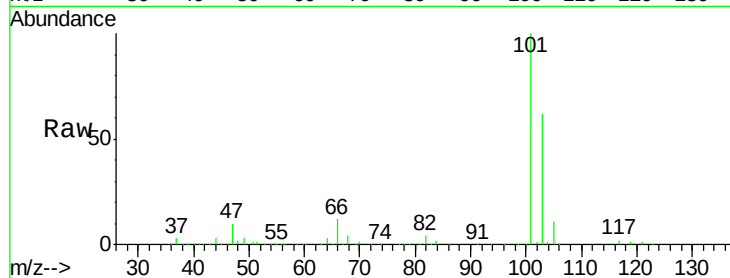
Trichlorofluoromethane
Concen: 19.21 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.8	79.2

Manual Integrations
APPROVED

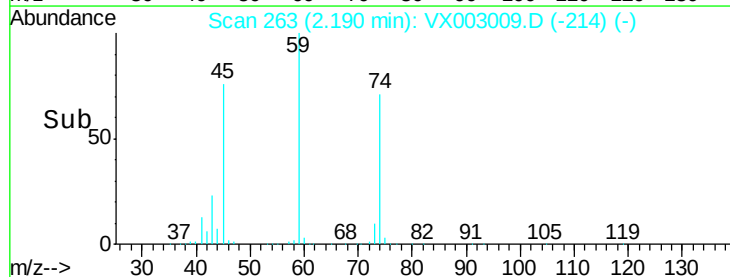
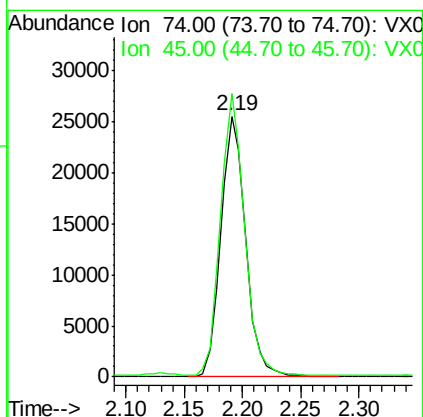
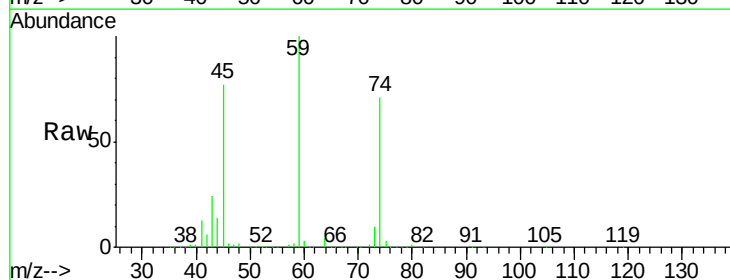
MMDadoda
6/29/2018 12:22:52 PM

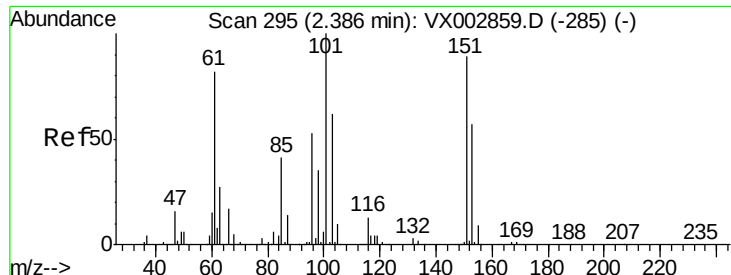


#8

Diethyl Ether
Concen: 18.81 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.52 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

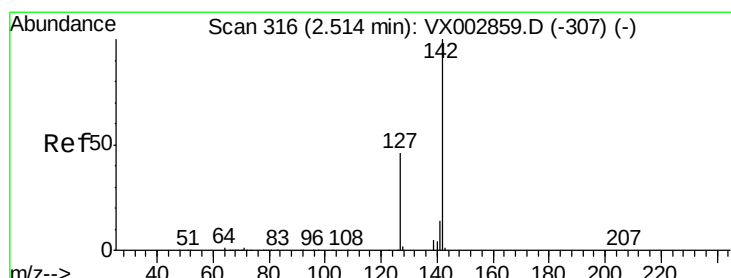
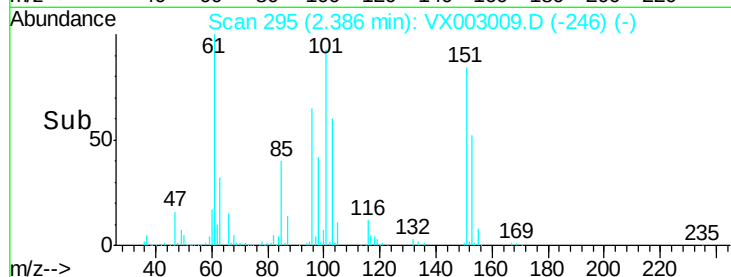
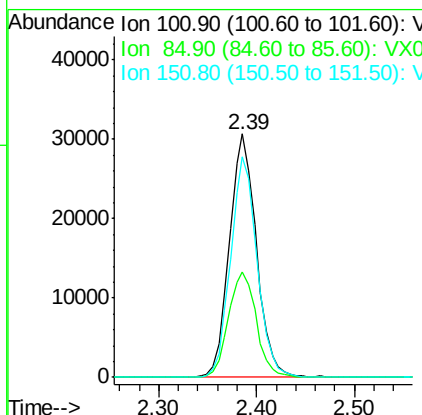
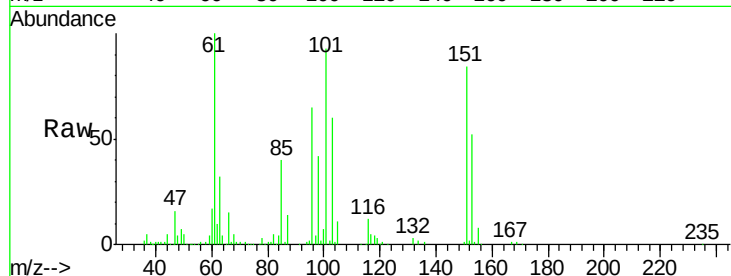
ClientSampleId :

VX0628WBS03

Tot Ion:	101	Resp:	58658
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	89.1	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



#10

Methyl Iodide

Concen: 18.69 ug/l

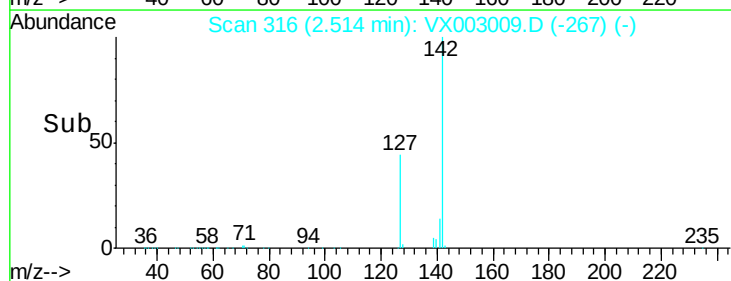
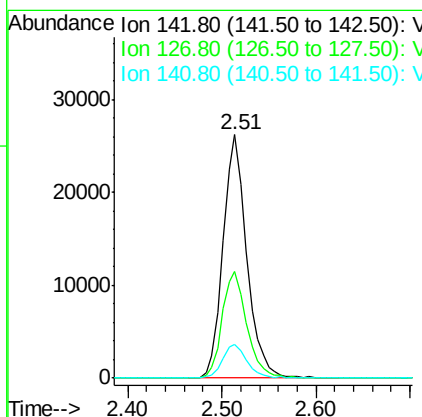
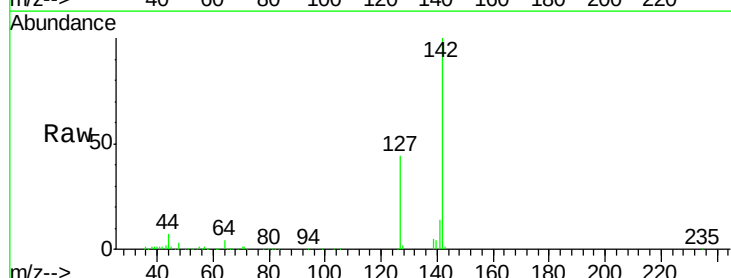
RT: 2.51 min Scan# 316

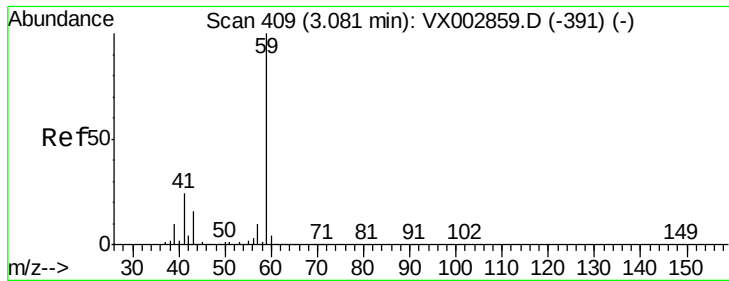
Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion:	142	Resp:	45714
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.6	55.0
141	14.5	11.3	16.9





#11

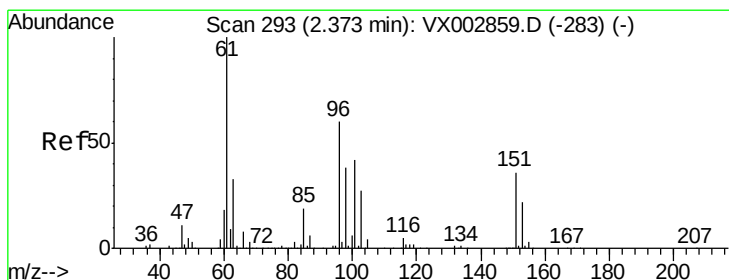
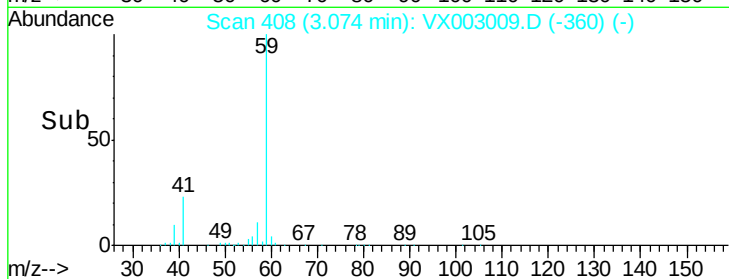
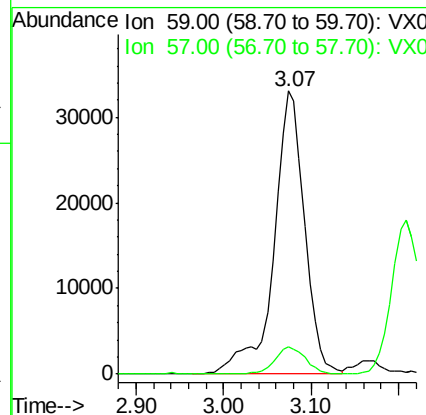
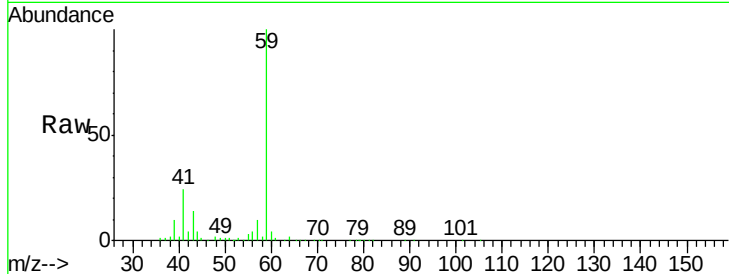
Tert butyl alcohol
 Concen: 102.86 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBS03

Tot Ion	59	Resp	81150
Ion Ratio	100	Lower	Upper
57	9.0	8.2	12.2

Manual Integrations
 APPROVED

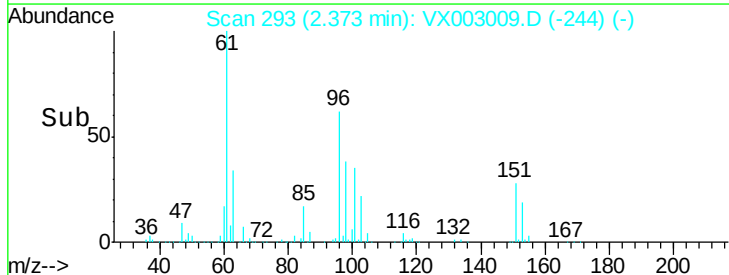
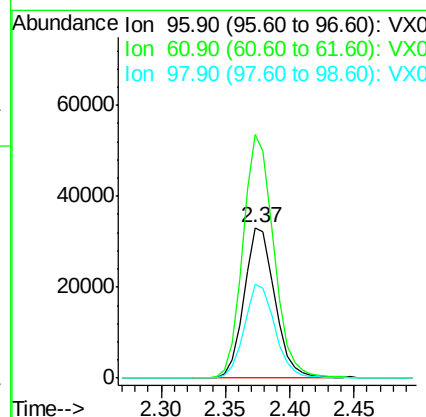
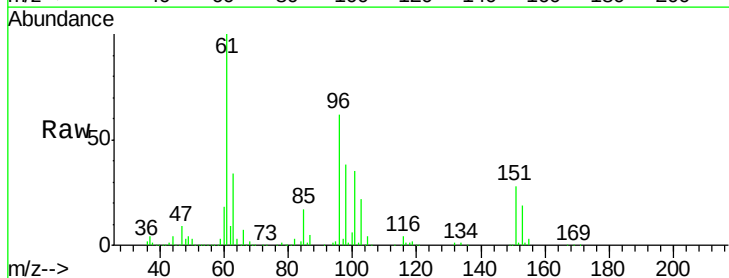
MMDadoda
 6/29/2018 12:22:52 PM

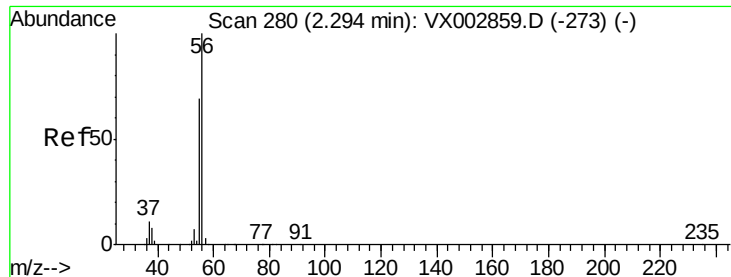


#12

1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	96	Resp	54487
Ion Ratio	100	Lower	Upper
61	162.1	137.9	206.9
98	62.2	51.6	77.4





#13

Acrolein

Concen: 93.39 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 56 Resp: 39668

Ion Ratio Lower Upper

56 100

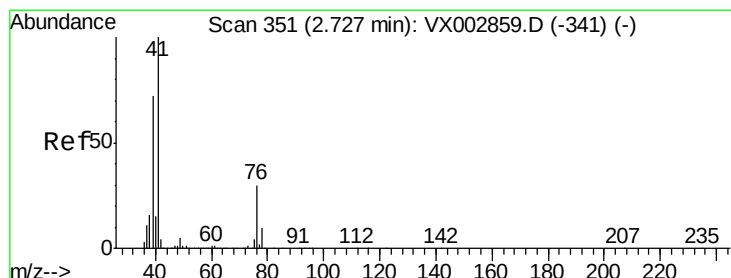
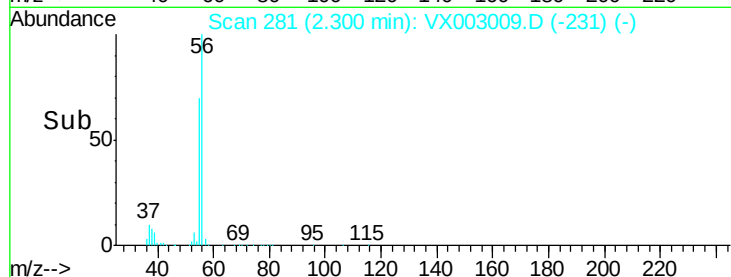
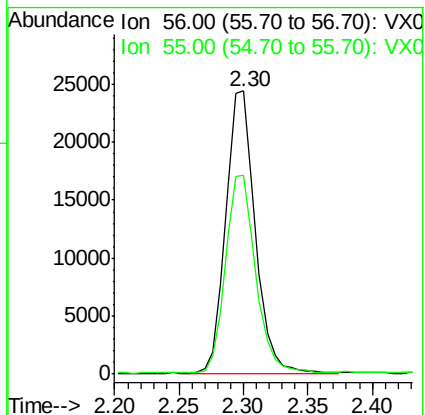
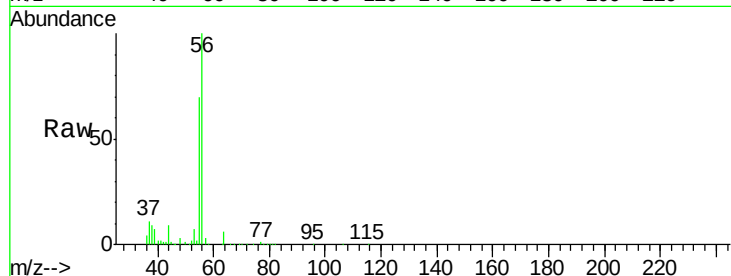
55 70.6 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



#14

Allyl chloride

Concen: 18.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

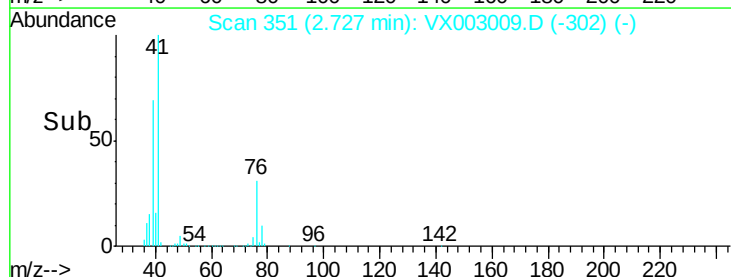
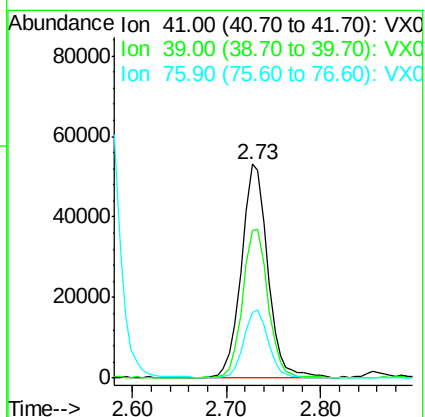
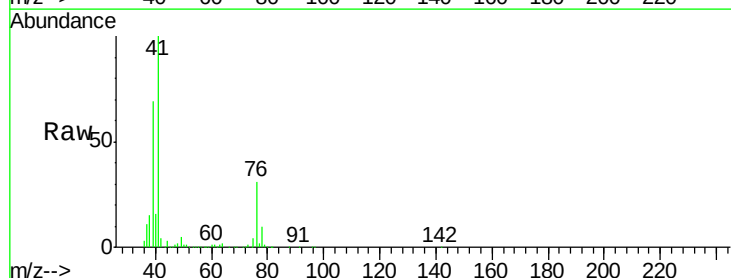
Tgt Ion: 41 Resp: 102817

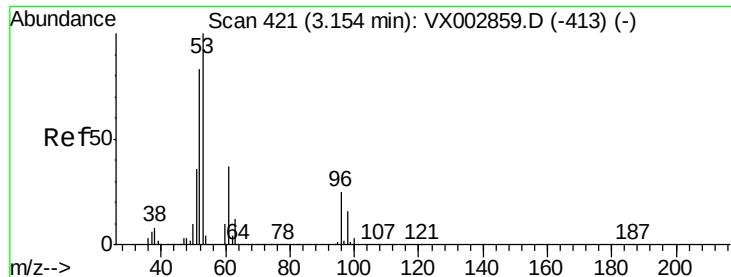
Ion Ratio Lower Upper

41 100

39 67.4 56.8 85.2

76 29.6 23.8 35.8





#15

Acrylonitrile

Concen: 97.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

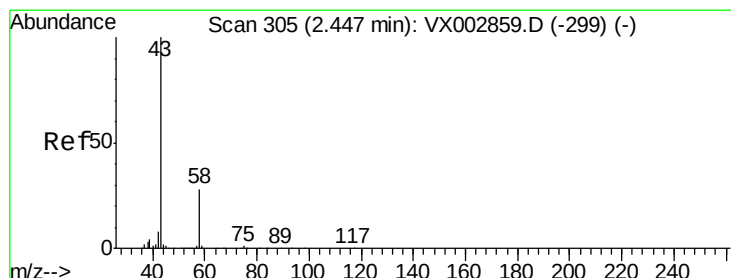
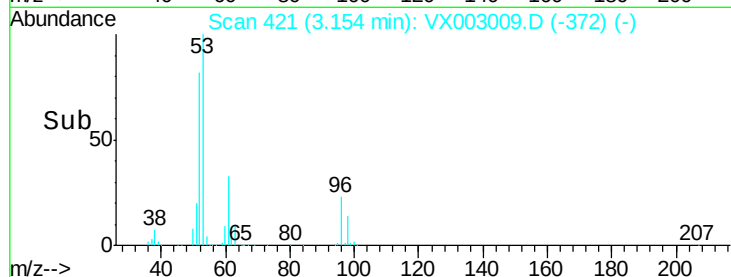
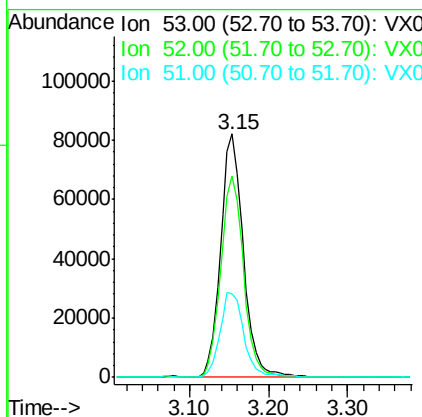
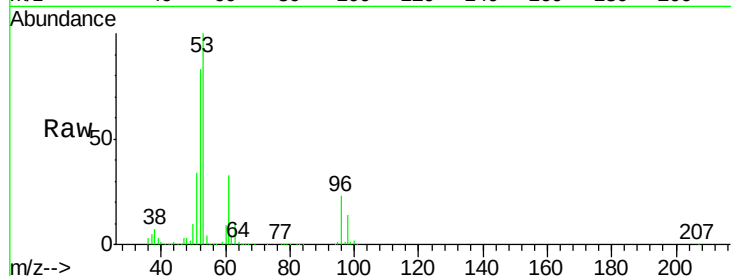
ClientSampleId :

VX0628WBS03

Tot Ion:	53	Resp:	163918
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	37.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



#16

Acetone

Concen: 91.28 ug/l

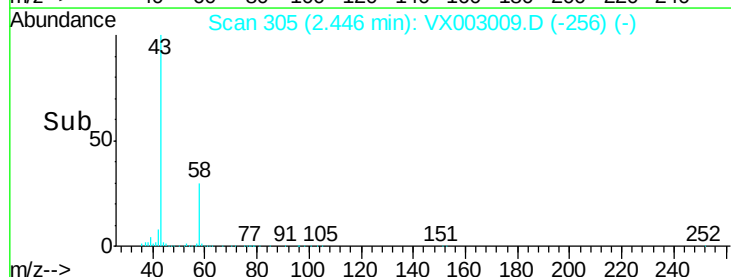
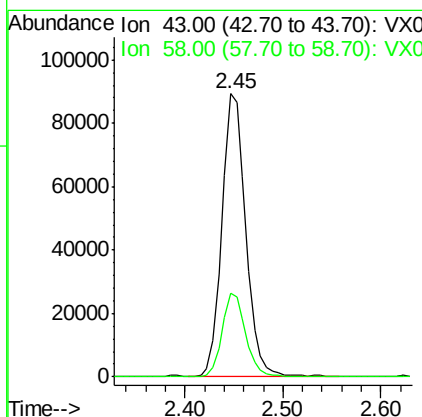
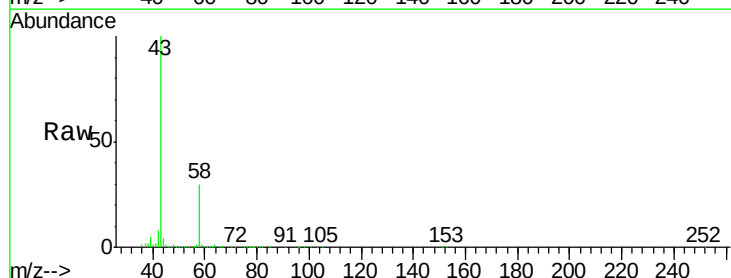
RT: 2.45 min Scan# 305

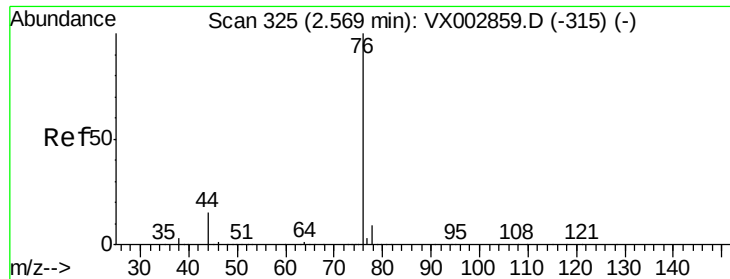
Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion:	43	Resp:	149710
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.1	33.1





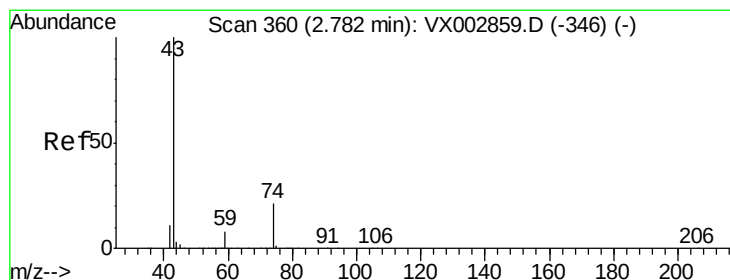
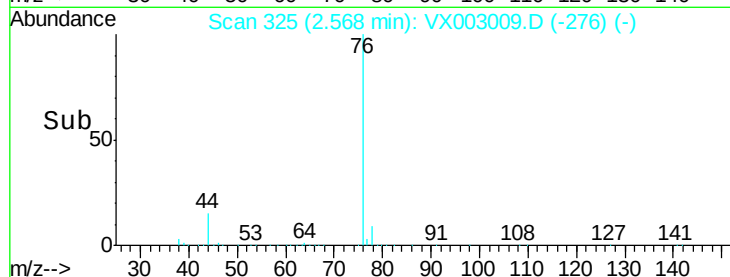
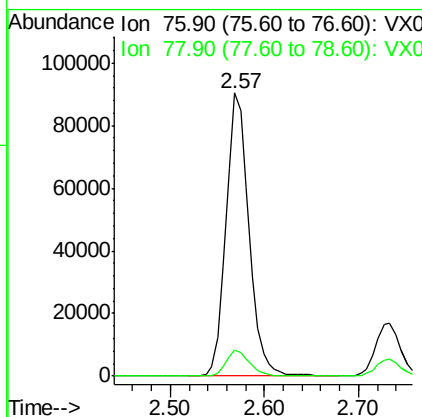
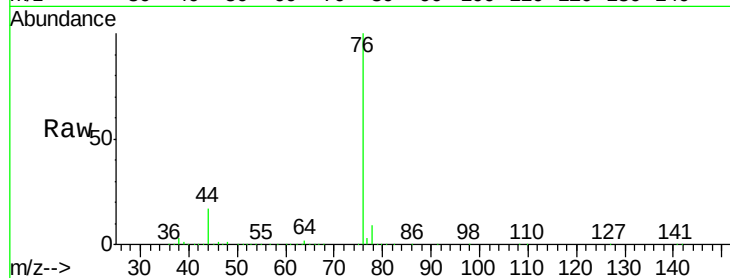
#17
Carbon Disulfide
Concen: 20.31 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

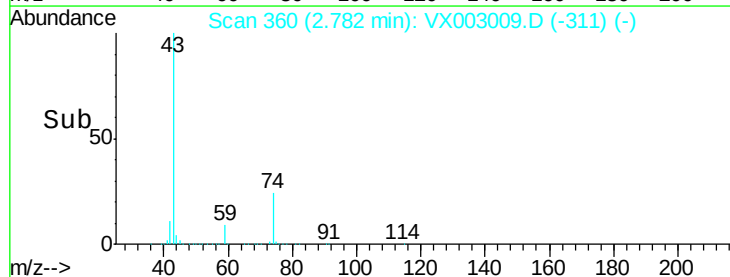
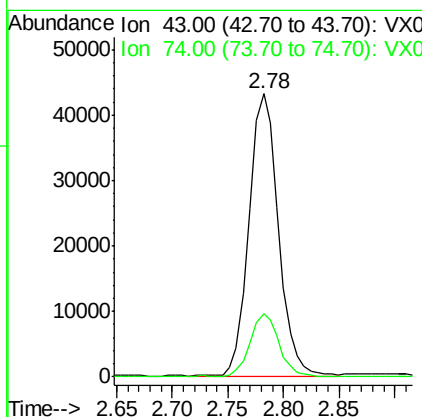
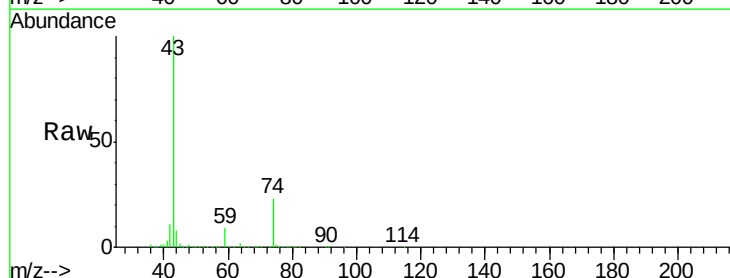
Manual Integrations
APPROVED

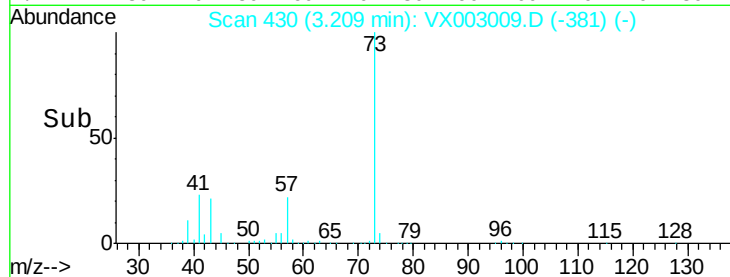
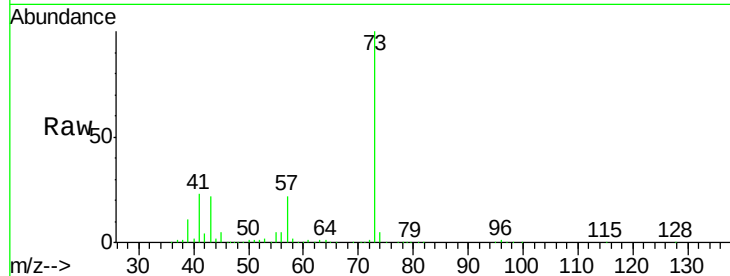
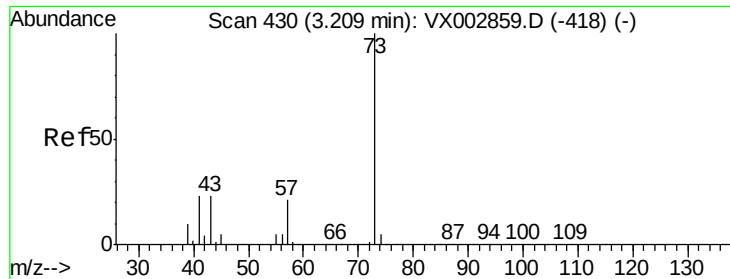
MMDadoda
6/29/2018 12:22:52 PM



#18
Methyl Acetate
Concen: 17.33 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.7	25.1





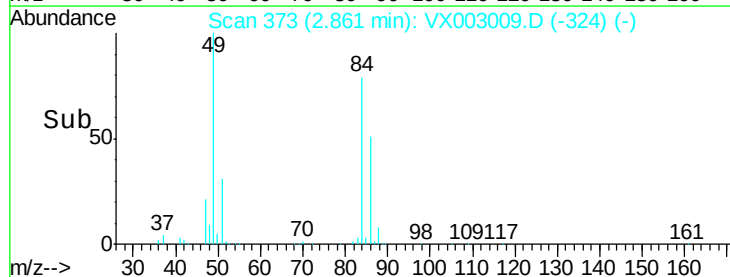
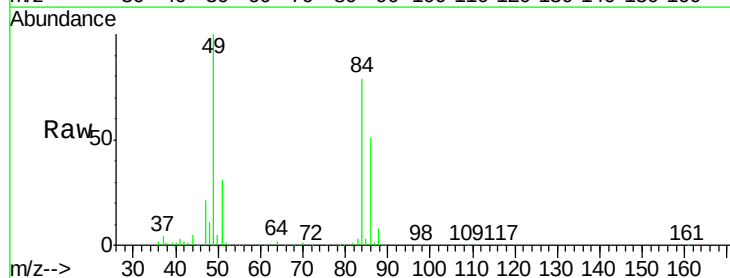
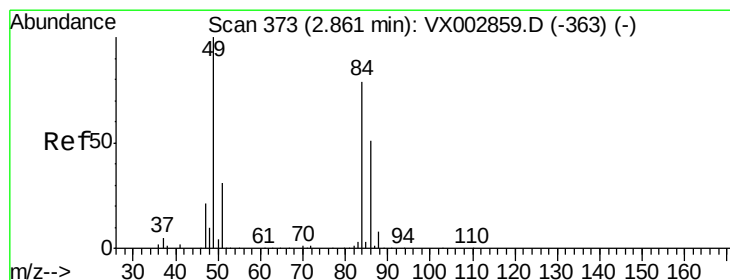
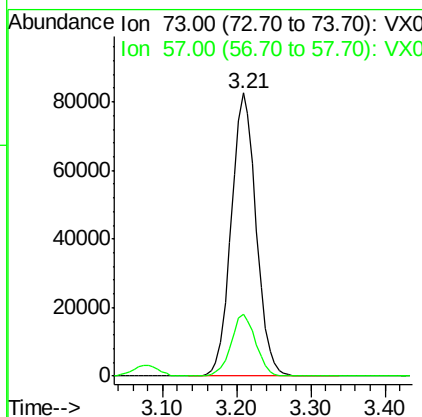
#19
Methyl tert-butyl Ether
Concen: 19.02 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tot Ion	73	Resp	193225
Ion Ratio	100	Lower	Upper
73	100		
57	21.8	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

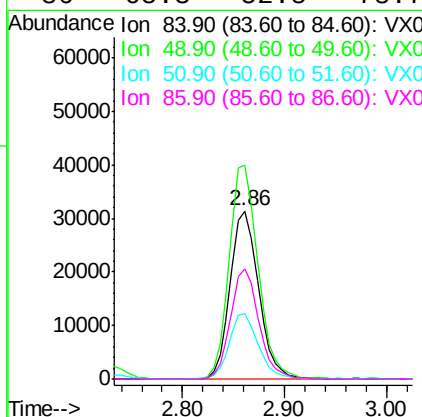
Manual Integrations
APPROVED

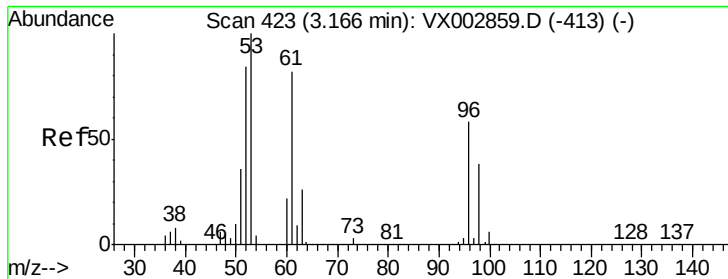
MMDadoda
6/29/2018 12:22:52 PM



#20
Methylene Chloride
Concen: 19.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	84	Resp	60951
Ion Ratio	100	Lower	Upper
84	100		
49	127.2	107.8	161.6
51	38.9	32.8	49.2
86	65.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.86 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 96 Resp: 58062

Ion Ratio Lower Upper

96 100

61 140.7 117.0 175.4

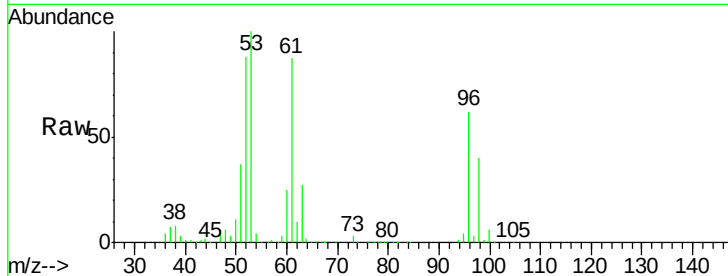
98 64.0 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM

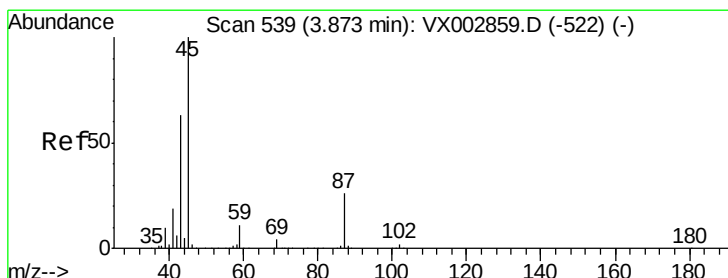
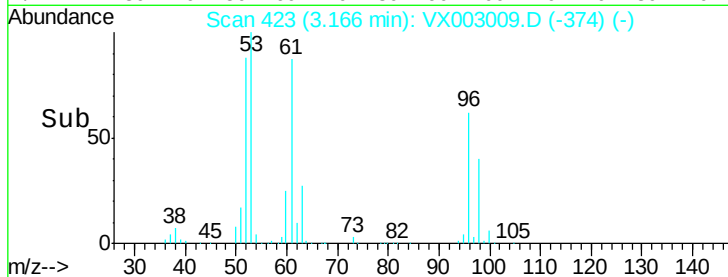
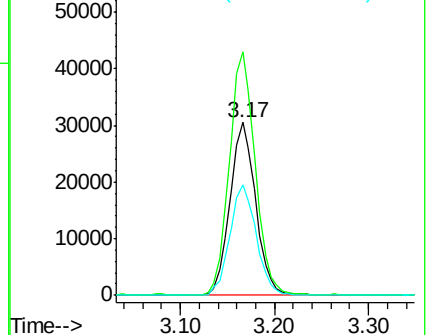


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.84 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion: 45 Resp: 211237

Ion Ratio Lower Upper

45 100

43 58.8 46.8 70.2

87 28.0 20.2 30.4

59 10.9 8.7 13.1

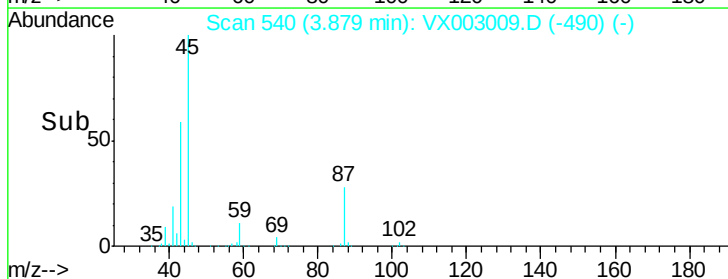
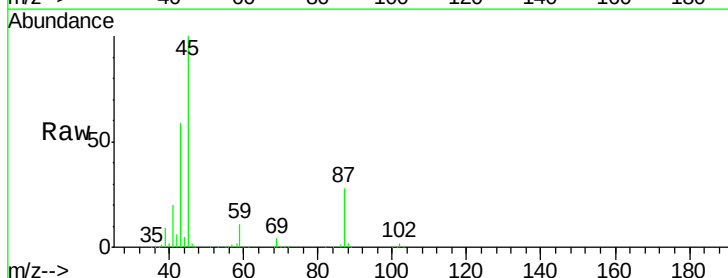
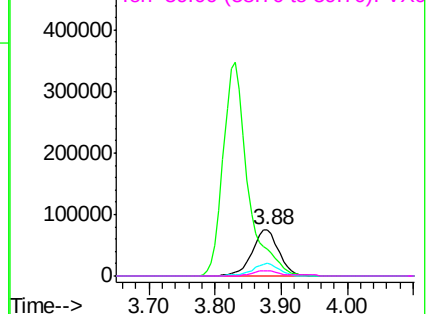
Abundance

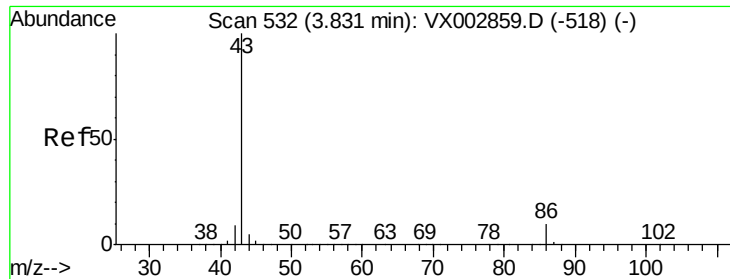
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.08 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 43 Resp: 902285

Ion Ratio Lower Upper

43 100

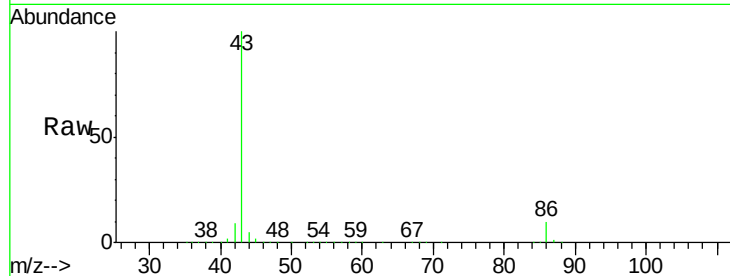
86 9.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

300000

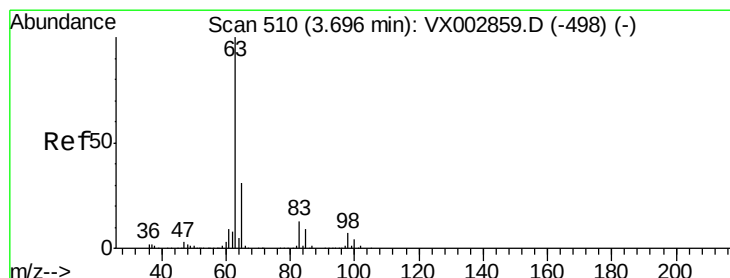
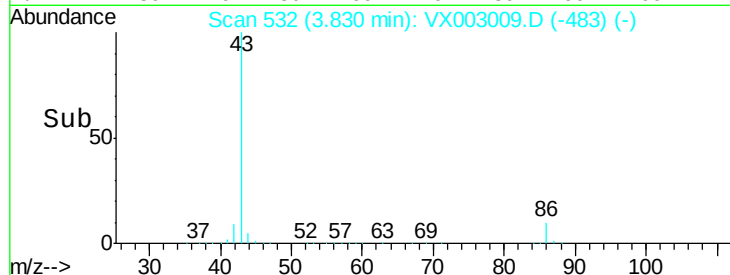
200000

100000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.70 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

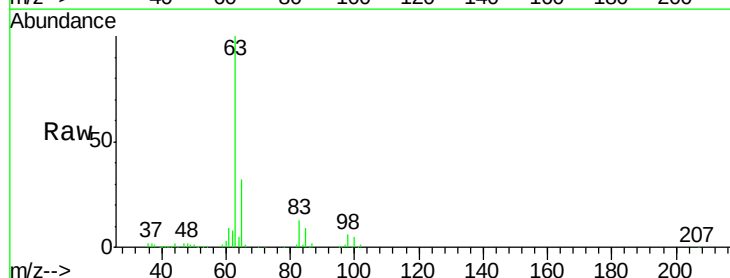
Tgt Ion: 63 Resp: 114001

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

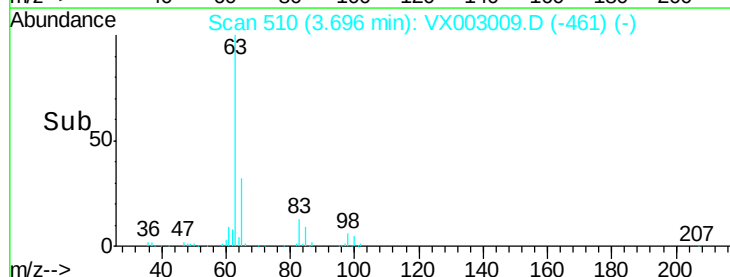
20000

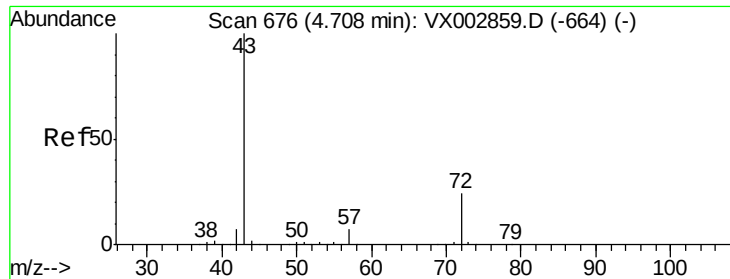
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 100.29 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 43 Resp: 244107

Ion Ratio Lower Upper

43 100

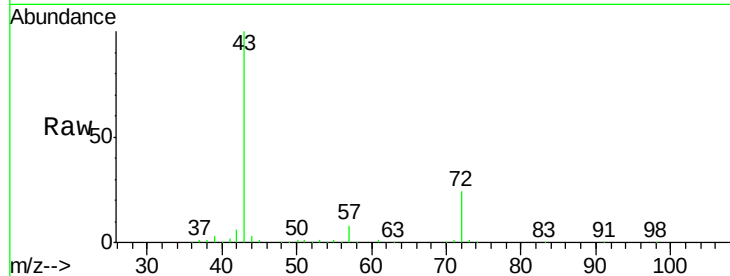
72 24.0 18.5 27.7

Manual Integrations

APPROVED

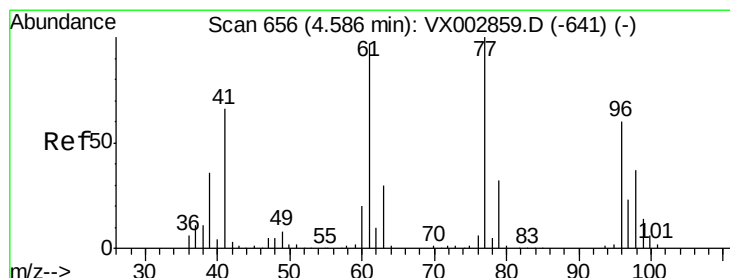
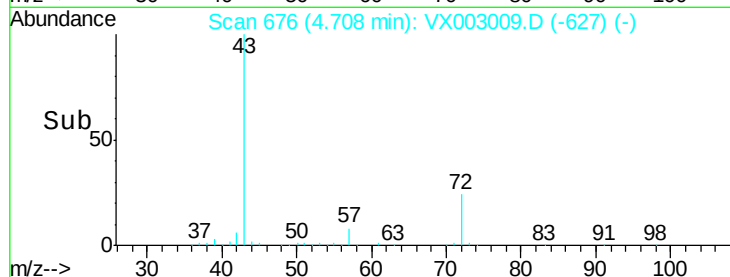
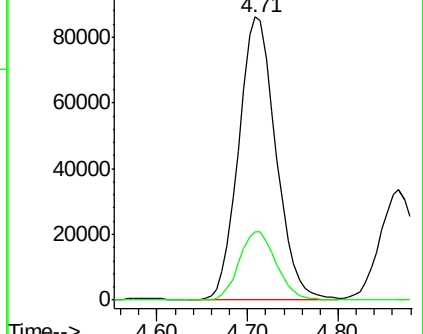
MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 13.64 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003009.D

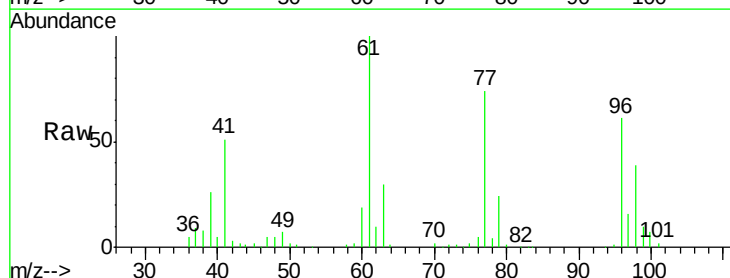
Acq: 29 Jun 2018 02:44

Tgt Ion: 77 Resp: 64172

Ion Ratio Lower Upper

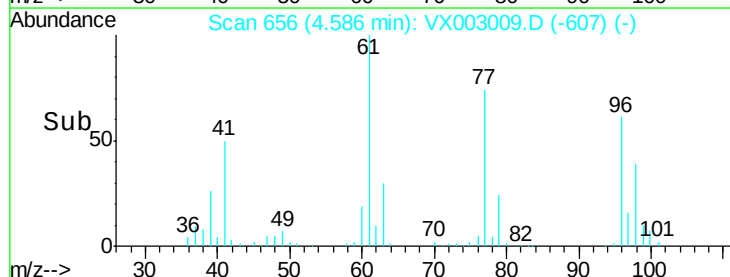
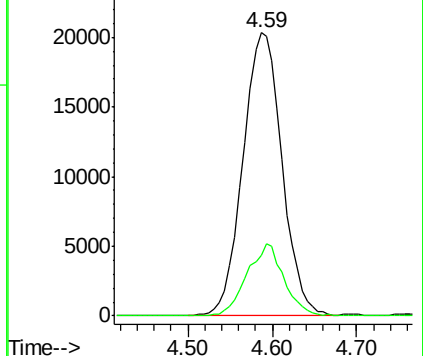
77 100

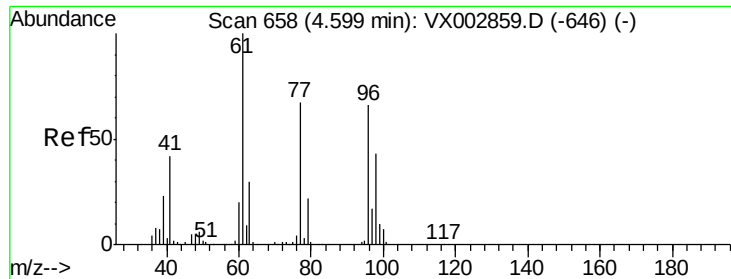
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

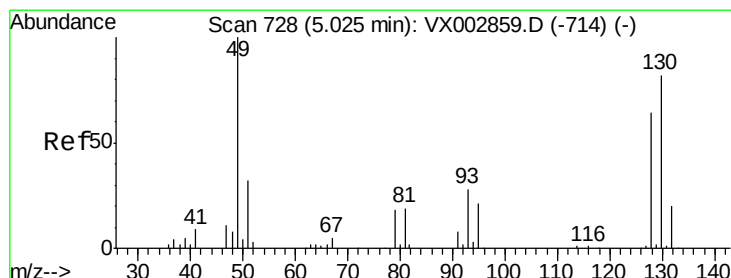
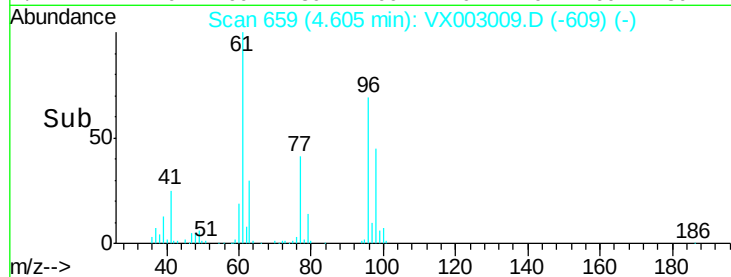
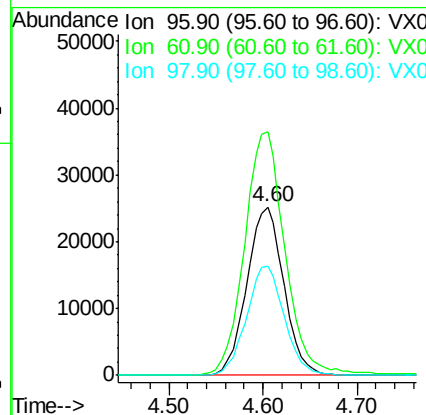
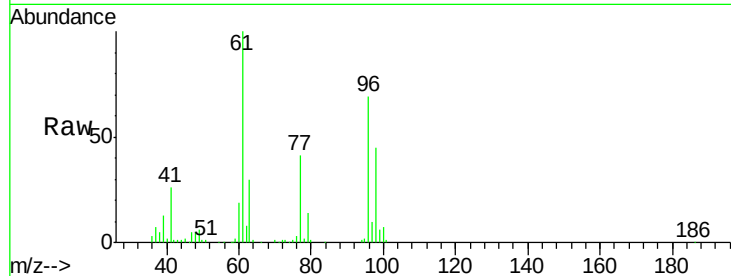
cis-1,2-Dichloroethene
Concen: 20.10 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	330.2
98	66.3	0.0	130.2

Manual Integrations
APPROVED

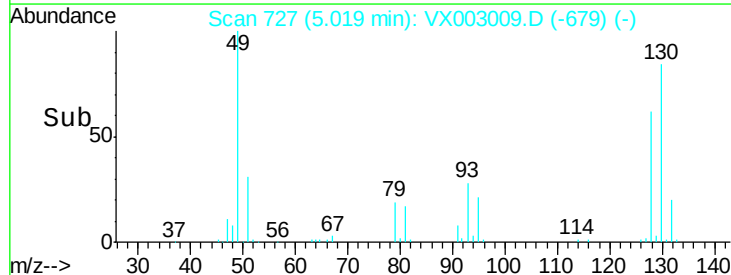
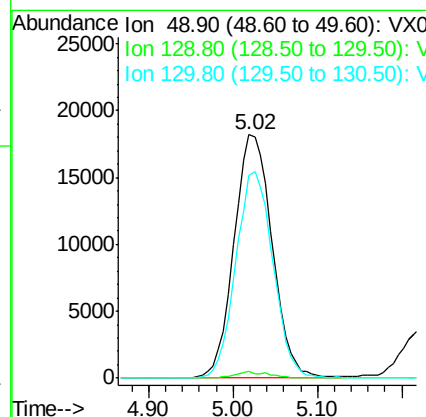
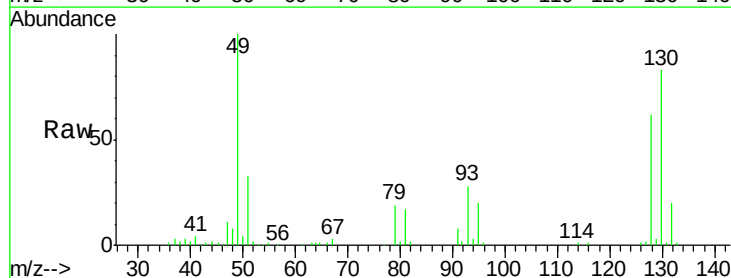
MMDadoda
6/29/2018 12:22:52 PM

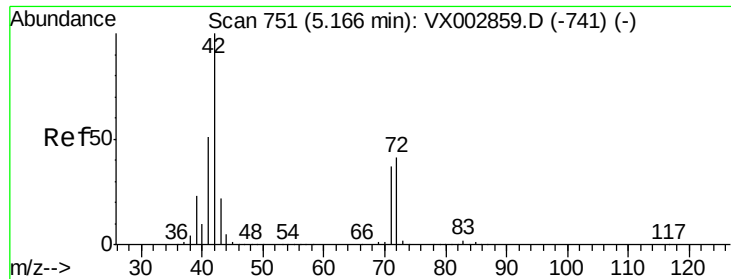


#28

Bromochloromethane
Concen: 20.19 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	82.7	61.2	91.8





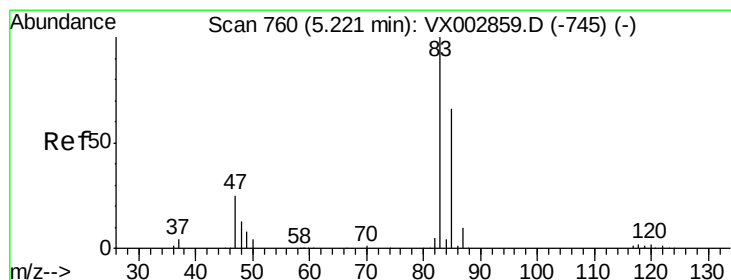
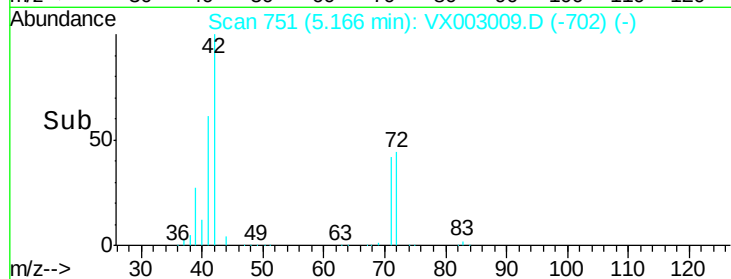
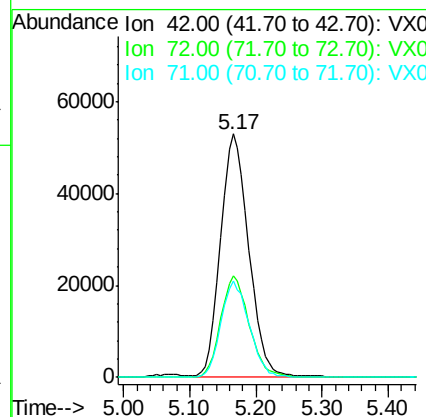
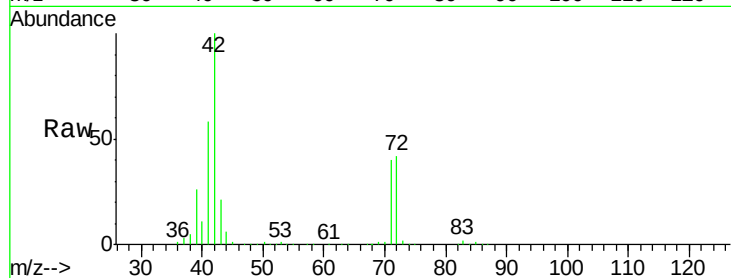
#29
Tetrahydrofuran
Concen: 99.67 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.0	48.0
71	39.7	30.1	45.1

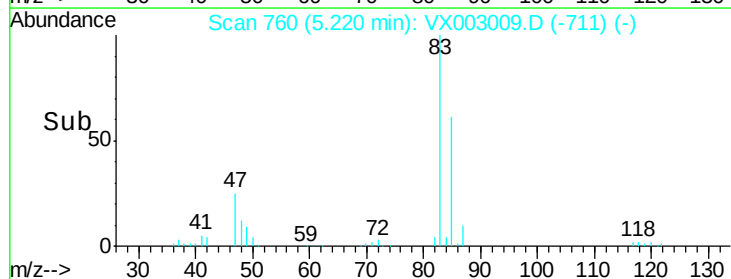
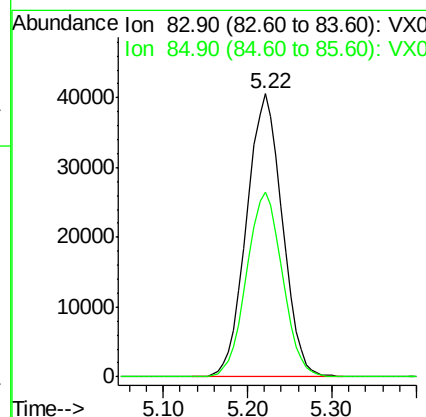
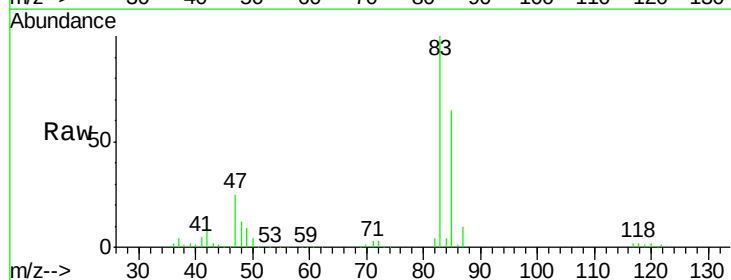
Manual Integrations
APPROVED

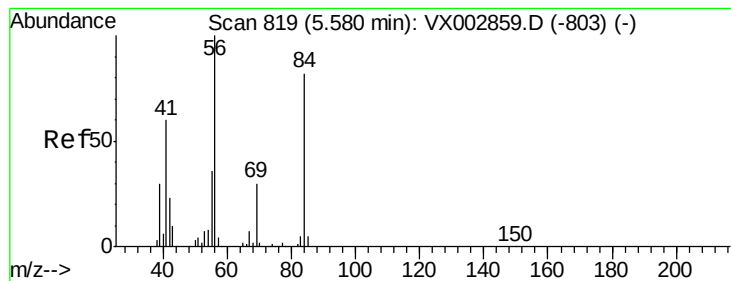
MMDadoda
6/29/2018 12:22:52 PM



#30
Chloroform
Concen: 19.68 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6





#31

Cyclohexane

Concen: 19.56 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

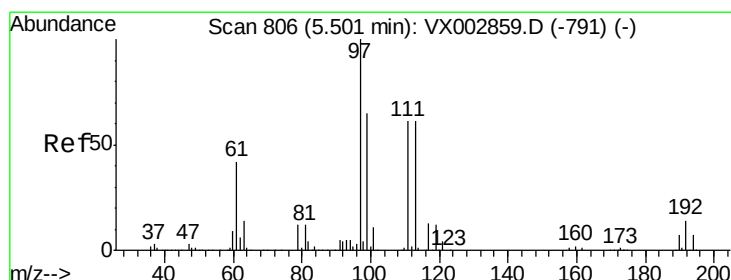
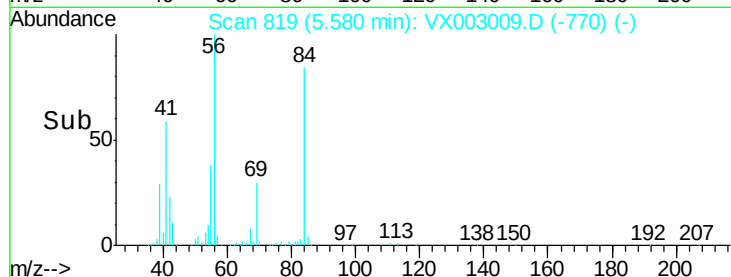
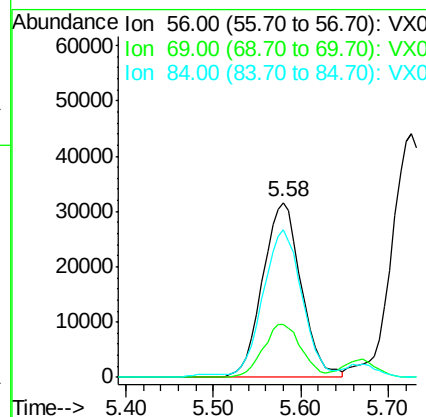
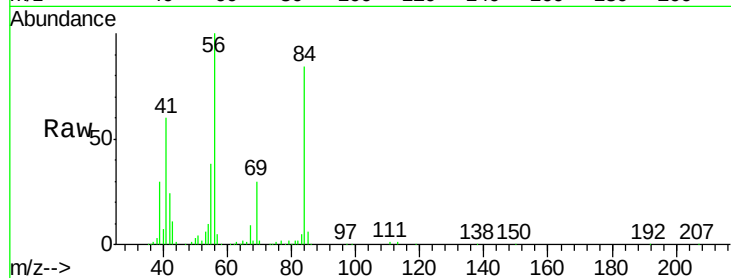
ClientSampleId :

VX0628WBS03

Tot Ion:	56	Resp:	97158
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.7	35.5
84	82.9	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



#32

1,1,1-Trichloroethane

Concen: 20.00 ug/l

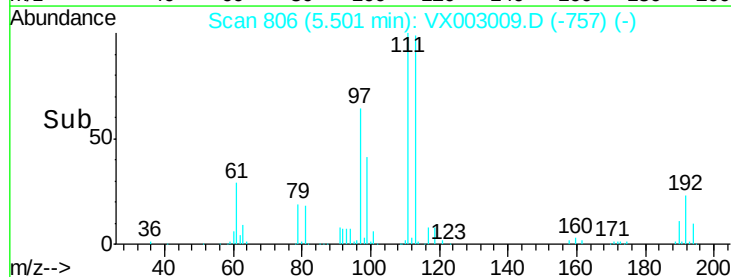
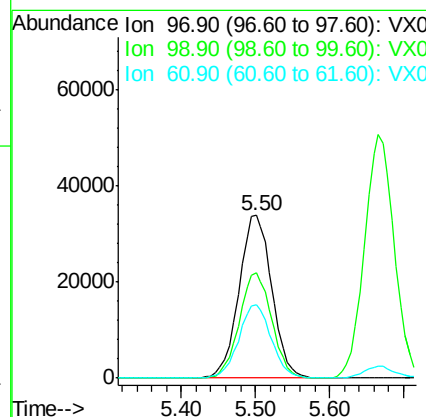
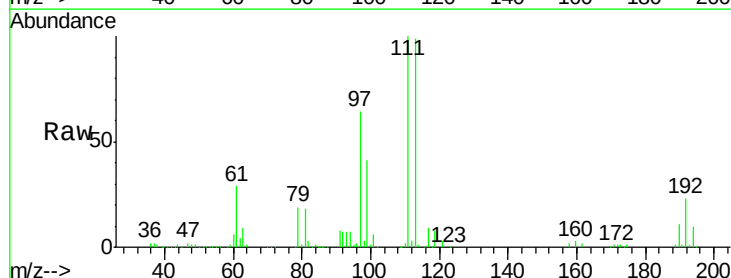
RT: 5.50 min Scan# 806

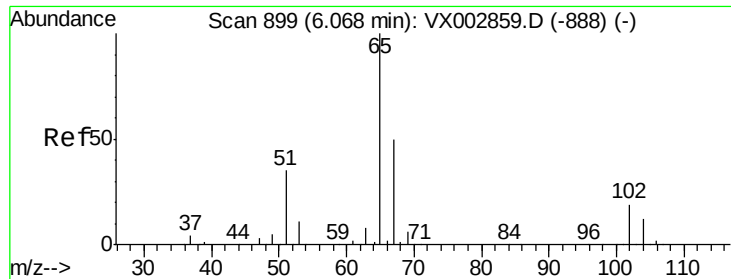
Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion:	97	Resp:	104533
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	44.8	36.4	54.6





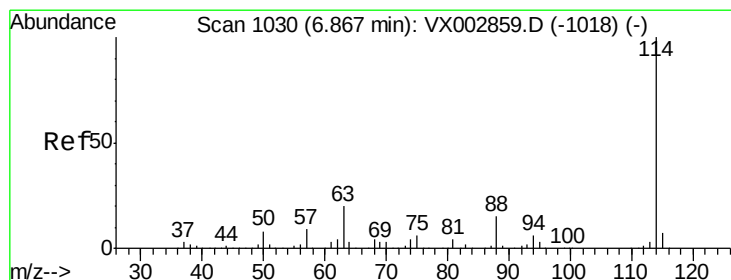
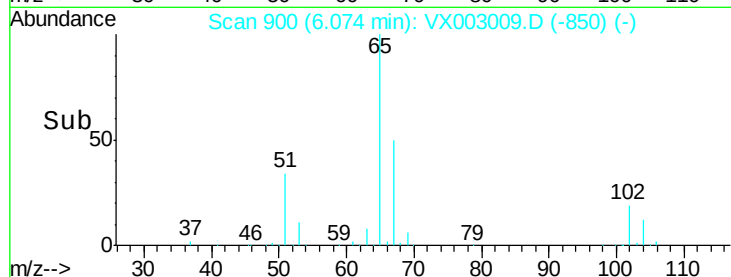
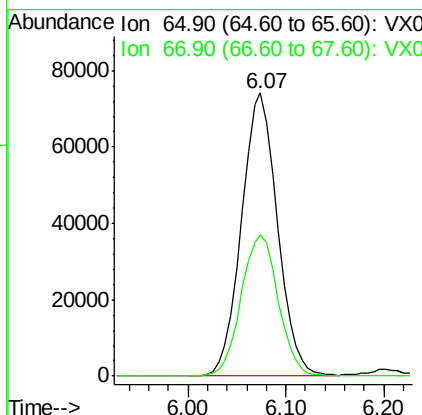
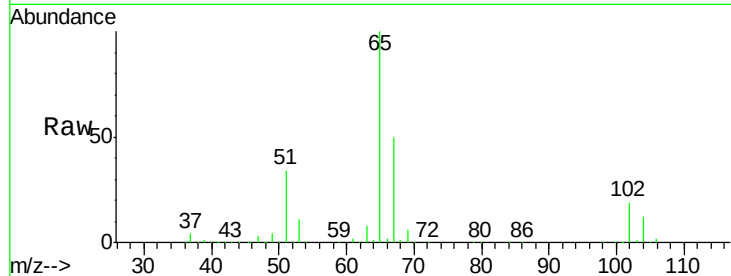
#33
 1,2-Dichloroethane-d4
 Concen: 47.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion: 65 Resp: 189082
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6

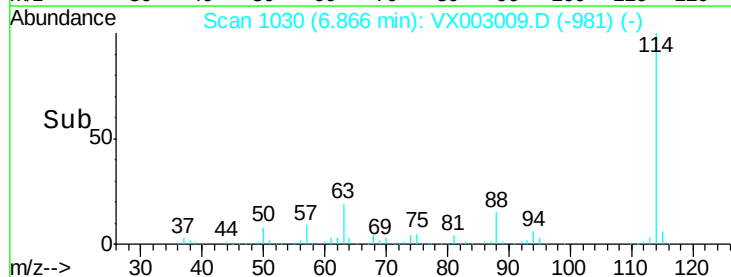
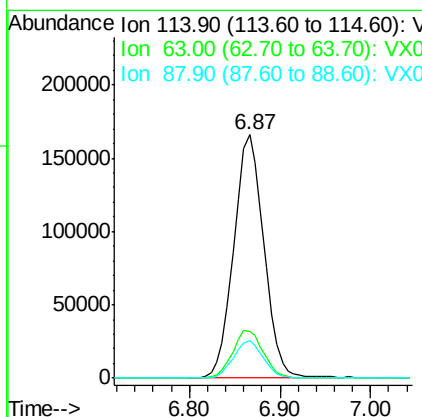
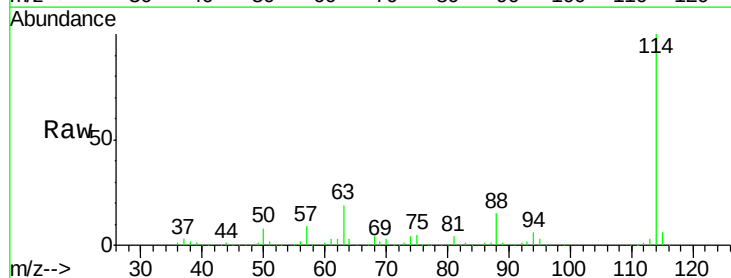
Manual Integrations
 APPROVED

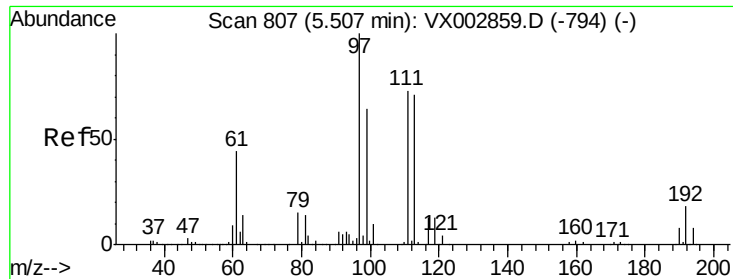
MMDadoda
 6/29/2018 12:22:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion: 114 Resp: 382887
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.2 0.0 30.0





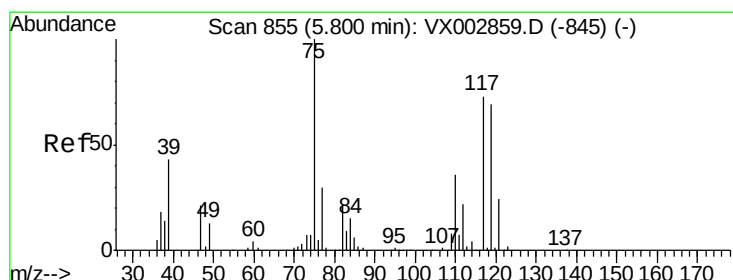
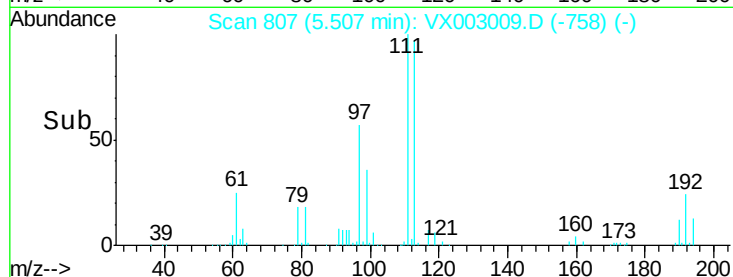
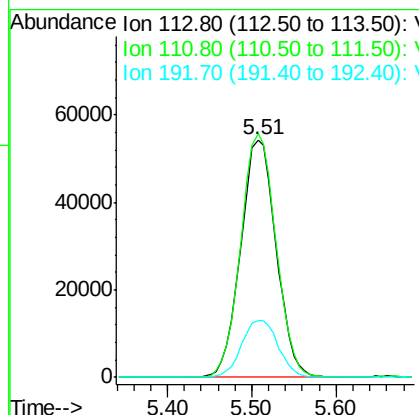
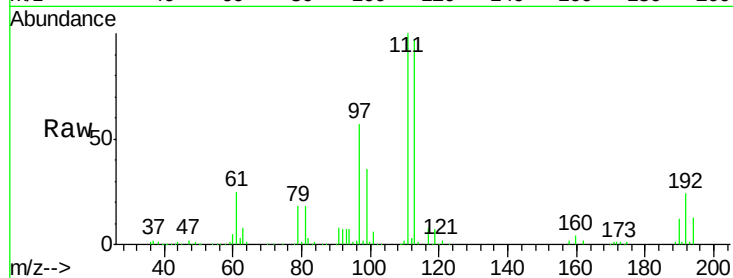
#35
 Dibromofluoromethane
 Concen: 51.04 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154759		
111	102.2	81.4	122.0	
192	24.8	19.1	28.7	

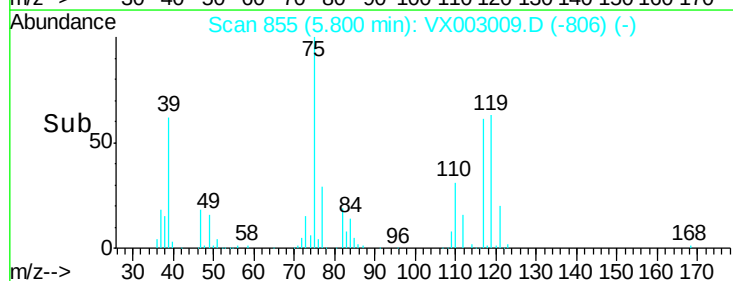
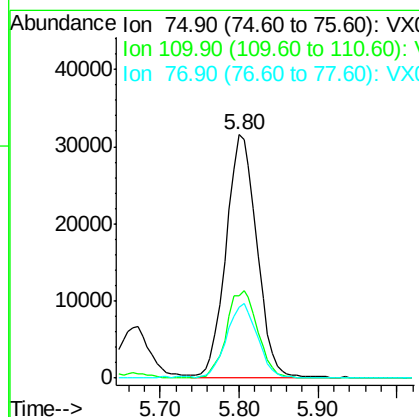
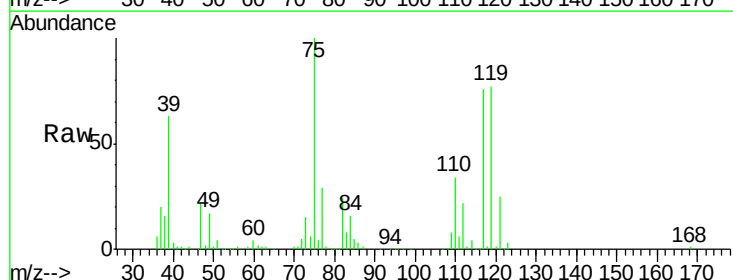
Manual Integrations
 APPROVED

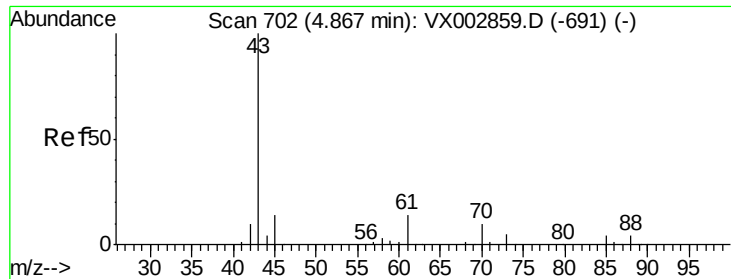
MMDadoda
 6/29/2018 12:22:52 PM



#36
 1,1-Dichloropropene
 Concen: 20.28 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85150		
110	36.8	18.1	54.4	
77	31.1	24.3	36.5	





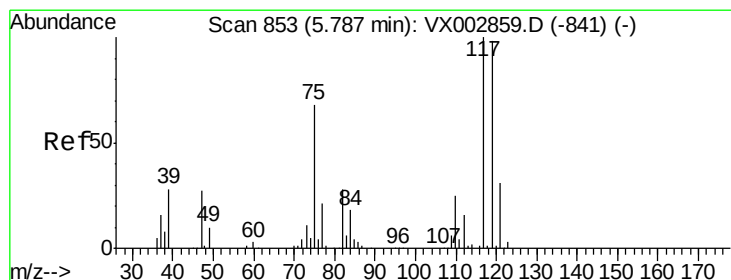
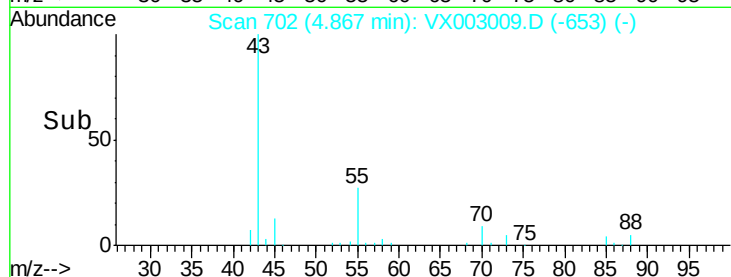
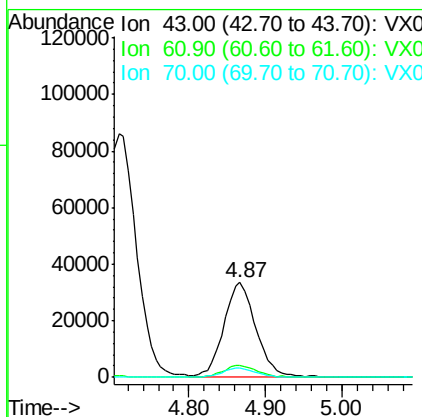
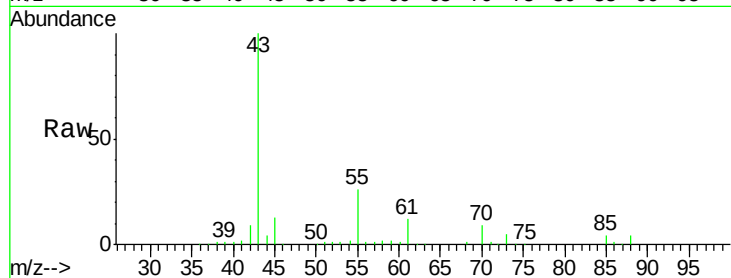
#37
Ethyl Acetate
Concen: 21.23 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	9.8	7.6	11.4

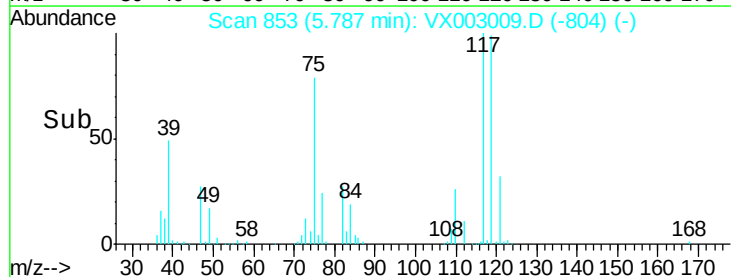
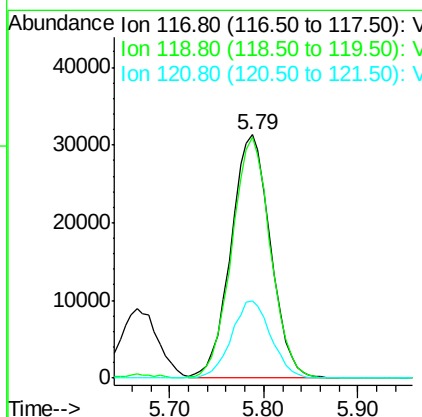
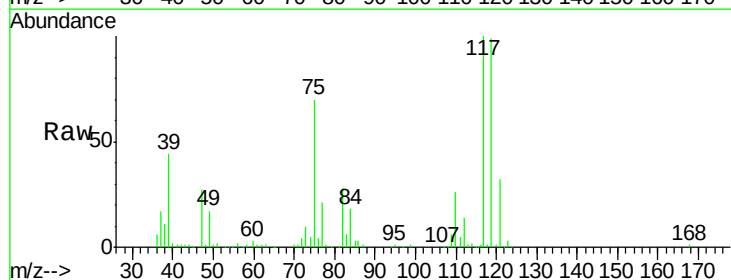
Manual Integrations
APPROVED

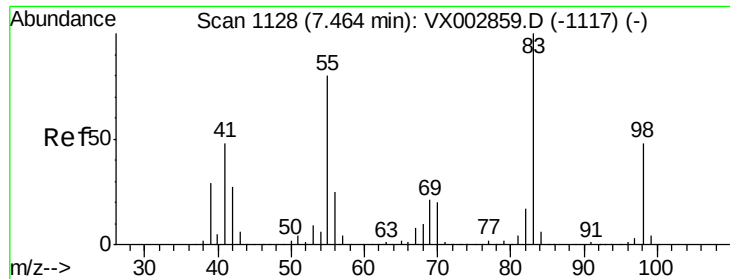
MMDadoda
6/29/2018 12:22:52 PM



#38
Carbon Tetrachloride
Concen: 19.92 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.4	116.0
121	31.9	24.4	36.6





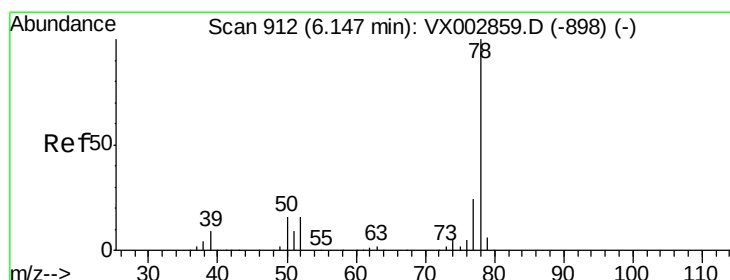
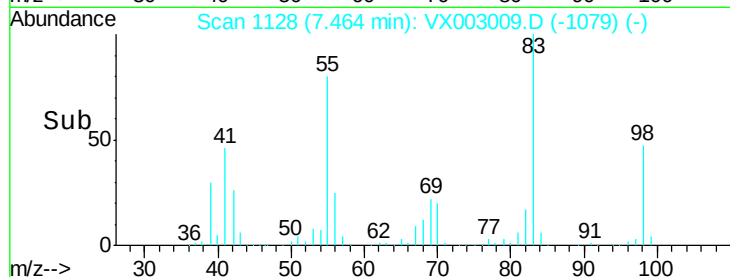
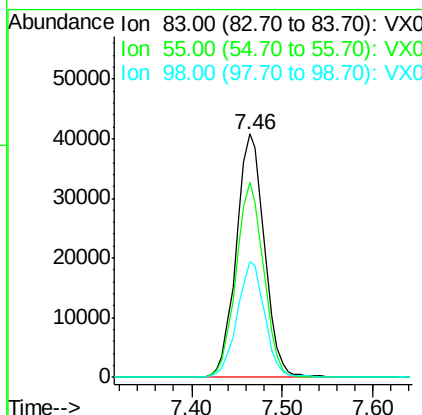
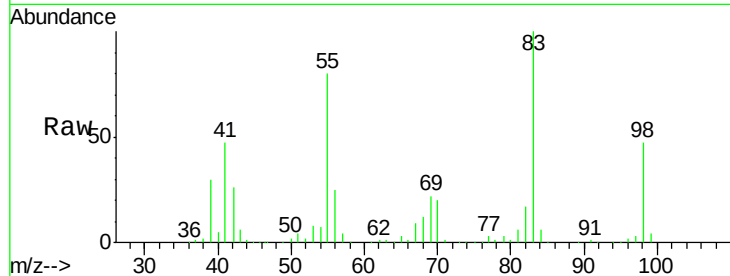
#39
Methylvlcyclohexane
Concen: 17.96 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	83	Resp	87817
Ion	Ratio	Lower	Upper
83	100		
55	80.2	65.4	98.0
98	47.5	37.4	56.0

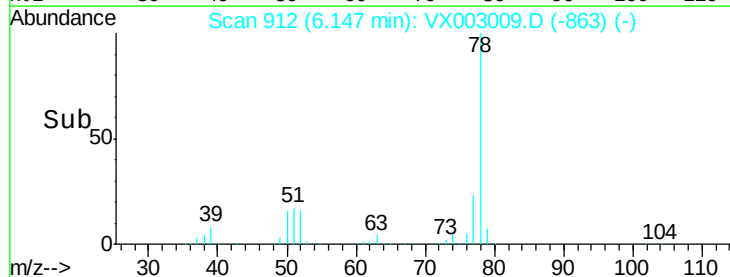
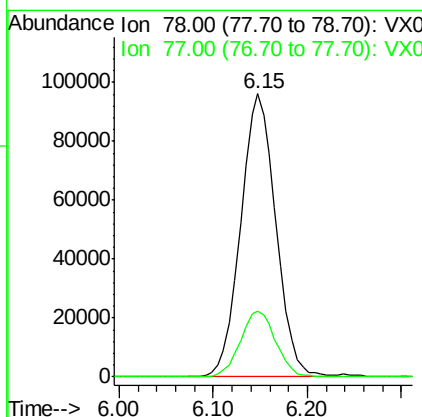
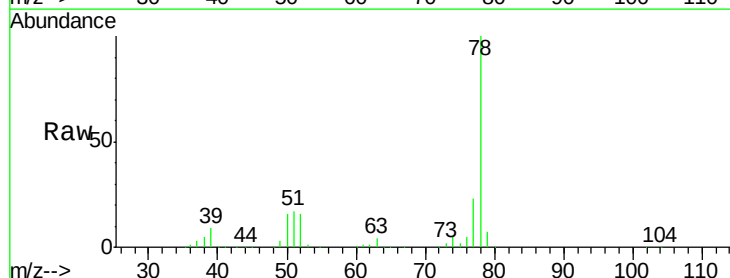
Manual Integrations
APPROVED

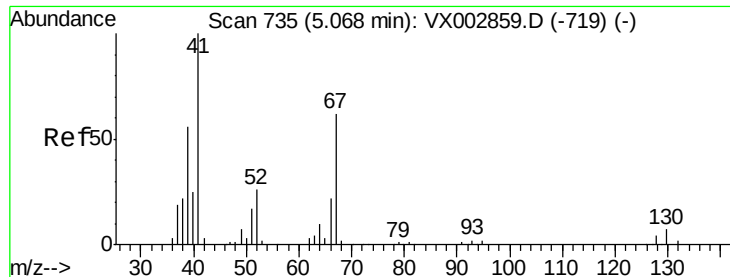
MMDadoda
6/29/2018 12:22:52 PM



#40
Benzene
Concen: 20.56 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	78	Resp	250785
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





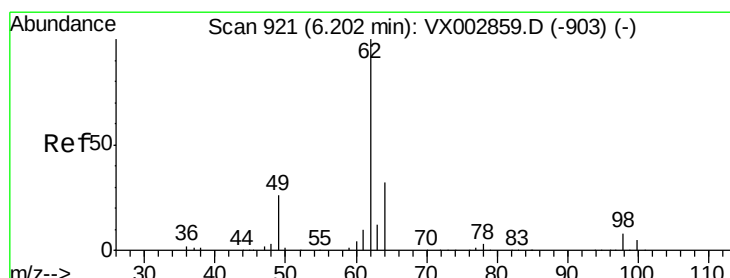
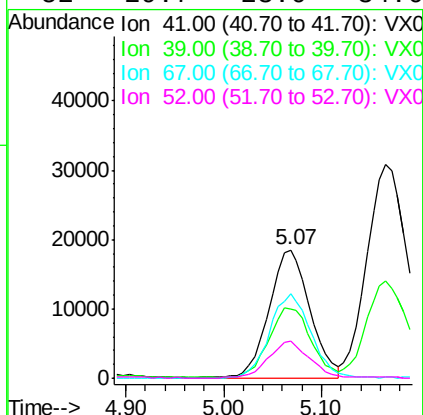
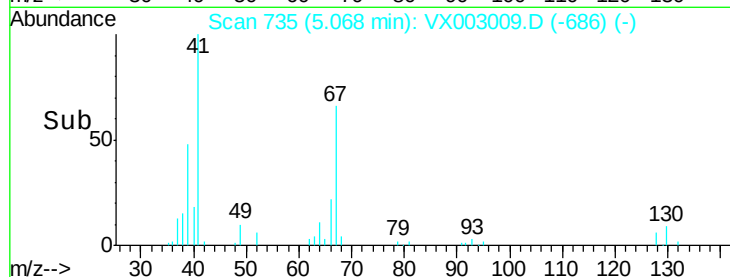
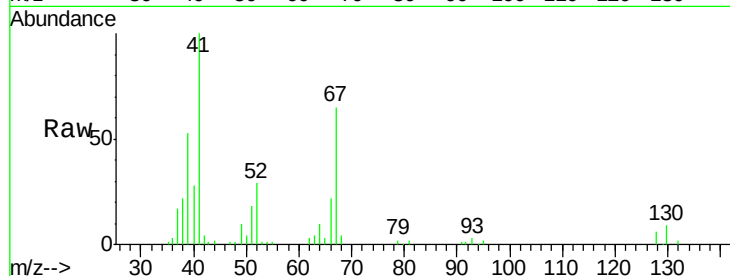
#41
Methacrylonitrile
Concen: 20.59 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.8	68.6	
67	67.3	51.3	76.9	
52	29.7	23.0	34.6	

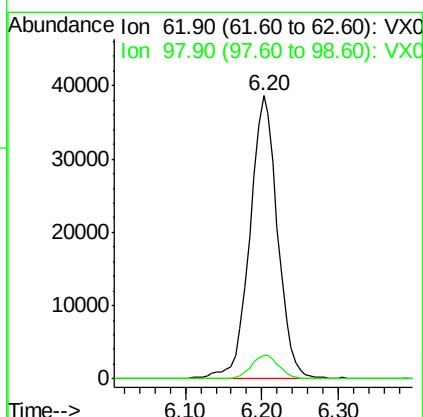
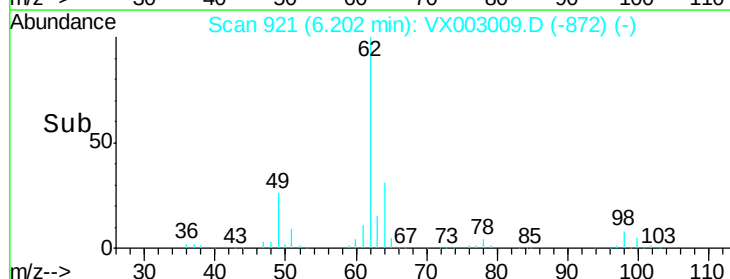
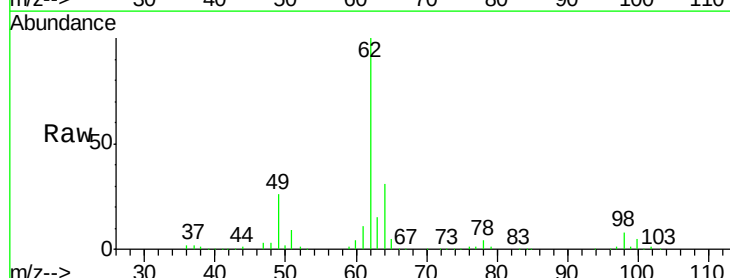
Manual Integrations
APPROVED

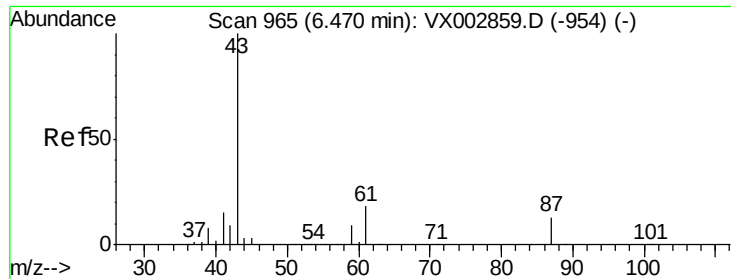
MMDadoda
6/29/2018 12:22:52 PM



#42
1,2-Dichloroethane
Concen: 19.60 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

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





#43

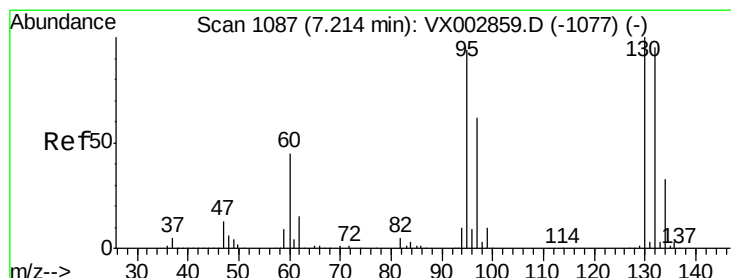
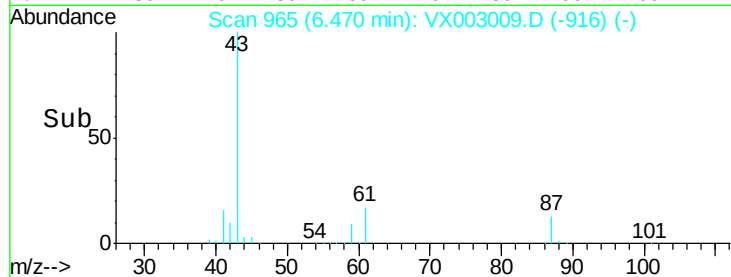
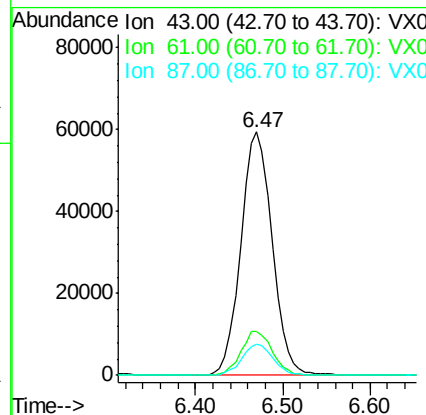
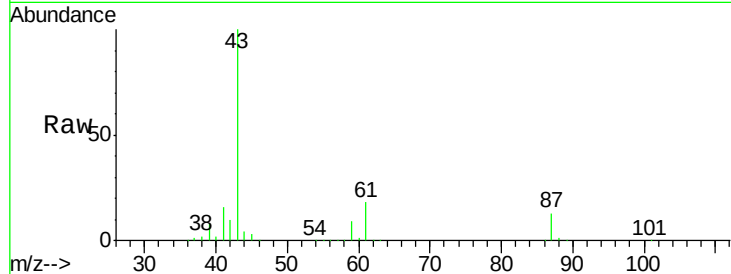
Isopropyl Acetate
 Concen: 19.40 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.6	9.5	14.3

Manual Integrations
 APPROVED

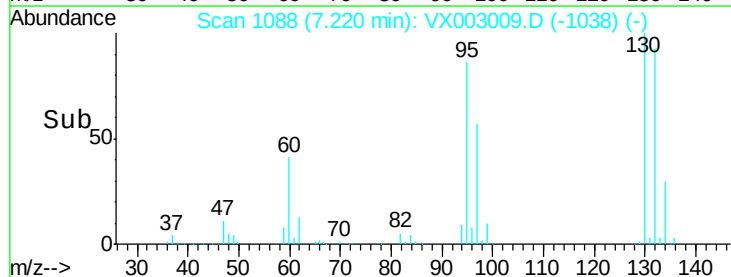
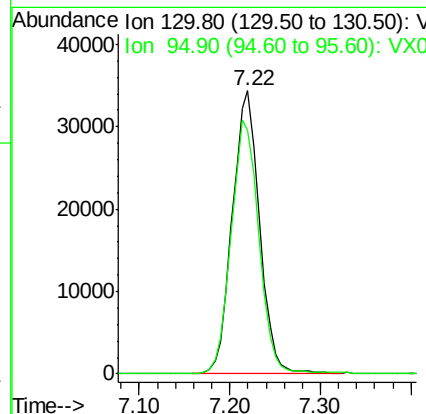
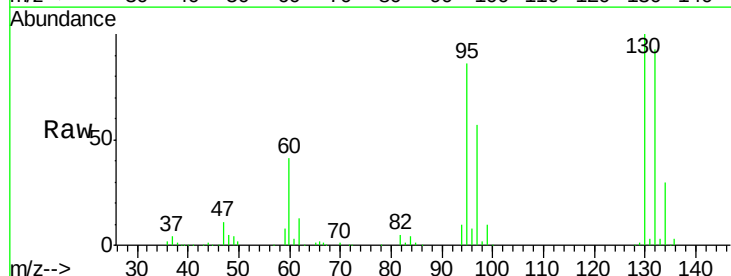
MMDadoda
 6/29/2018 12:22:52 PM

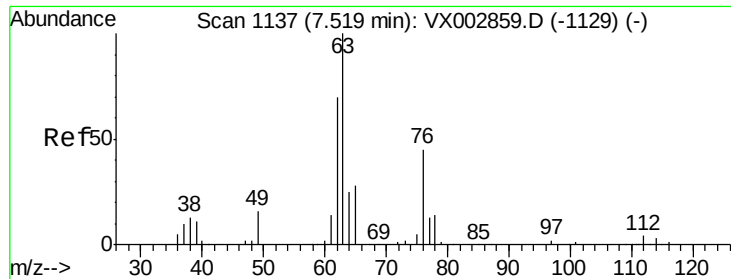


#44

Trichloroethene
 Concen: 19.74 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	185.4





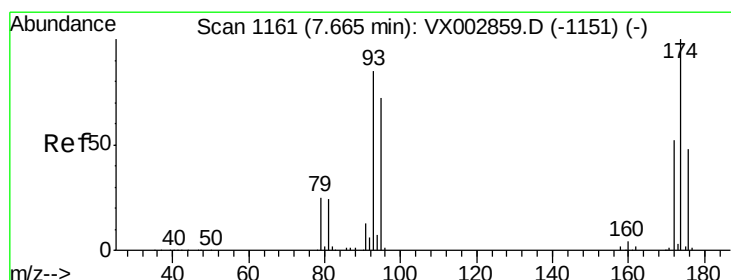
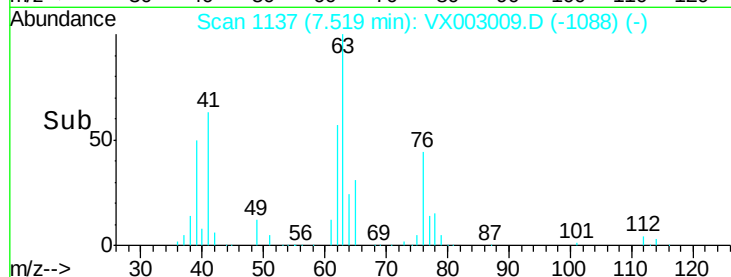
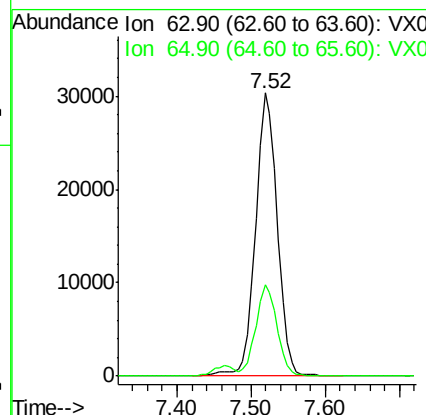
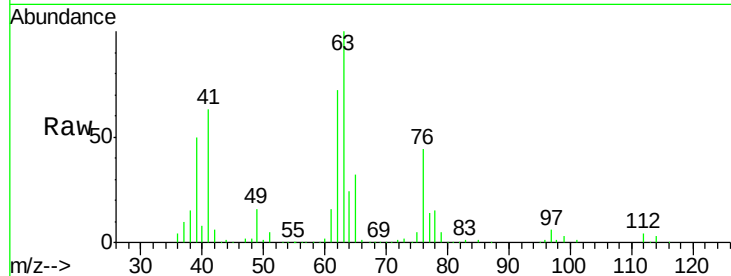
#45
 1,2-Dichloropropane
 Concen: 19.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion: 63 Resp: 62435
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.7 37.1

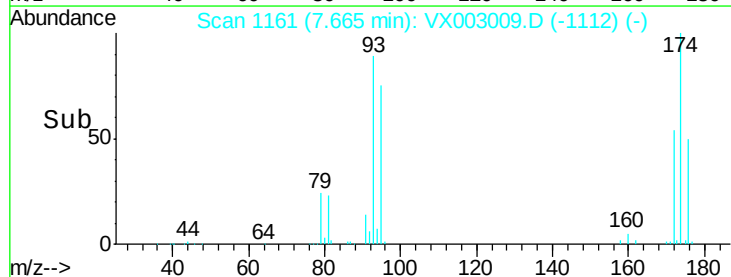
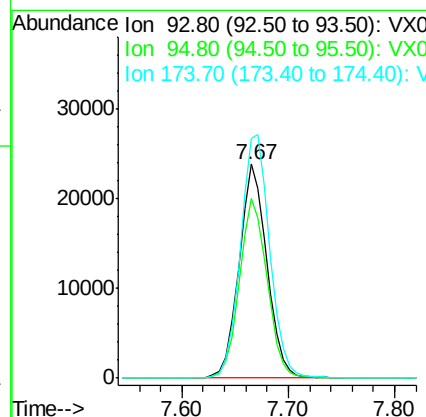
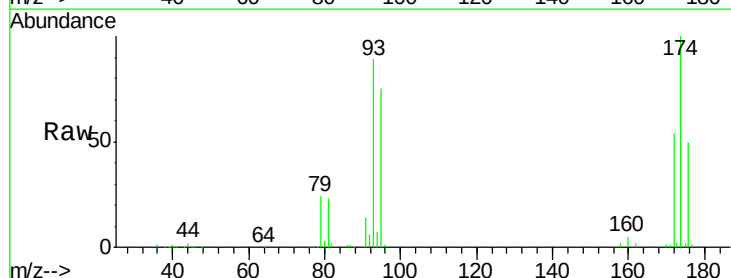
Manual Integrations
 APPROVED

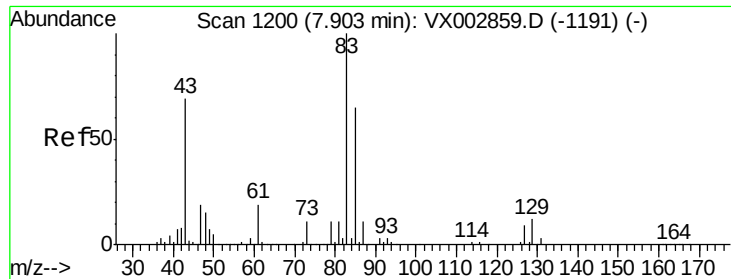
MMDadoda
 6/29/2018 12:22:52 PM



#46
 Dibromomethane
 Concen: 19.49 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion: 93 Resp: 43775
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.9 98.9
 174 119.4 92.4 138.6





#47

Bromodichloromethane

Concen: 19.77 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

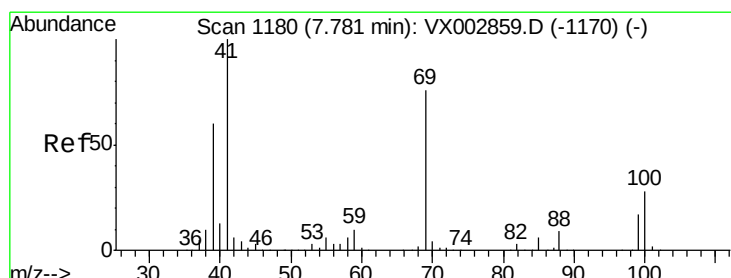
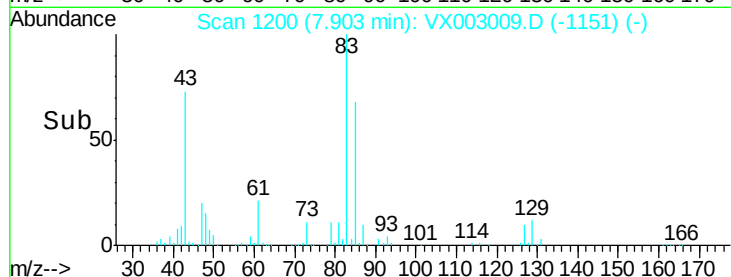
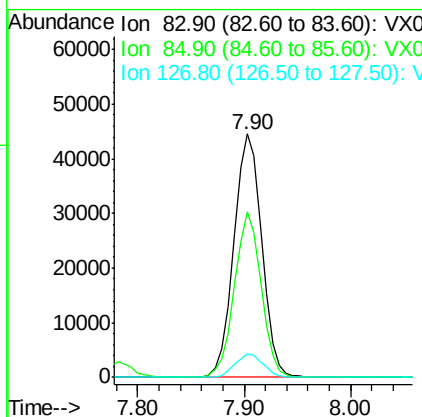
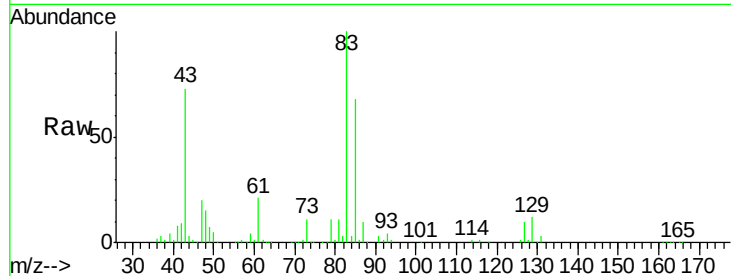
ClientSampleId :

VX0628WBS03

Tot Ion:	83	Resp:	82069
Ion	Ratio	Lower	Upper
83	100		
85	67.8	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



#48

Methyl methacrylate

Concen: 19.62 ug/l

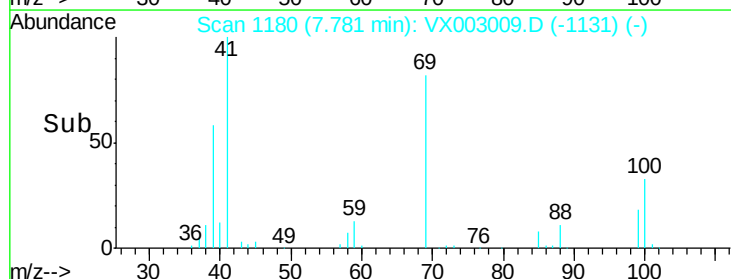
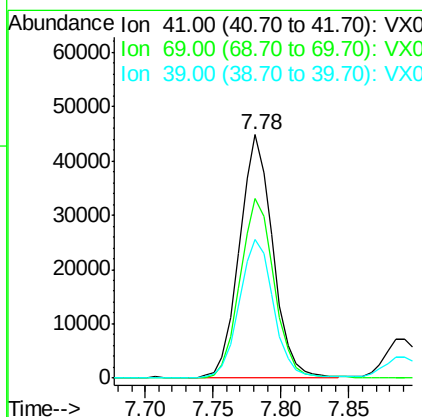
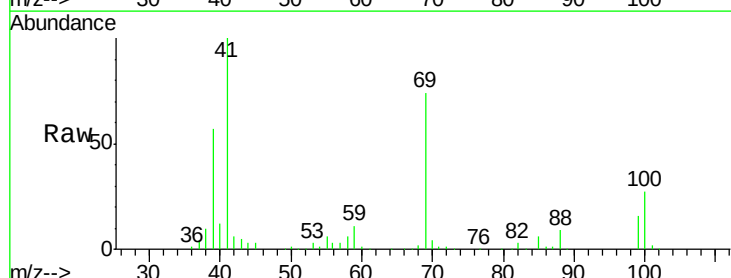
RT: 7.78 min Scan# 1180

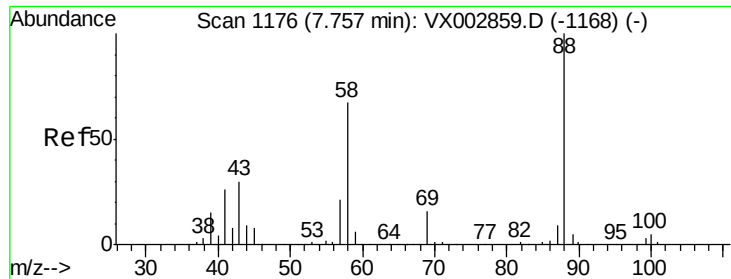
Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion:	41	Resp:	76661
Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.1	88.7
39	58.0	48.9	73.3





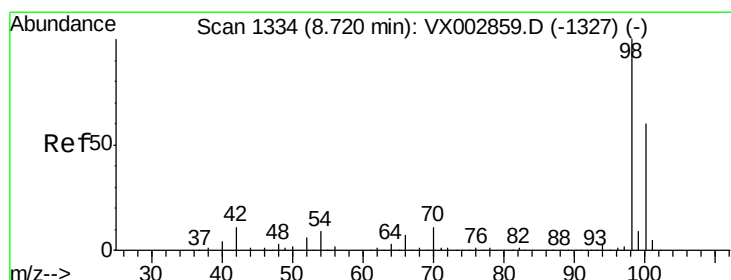
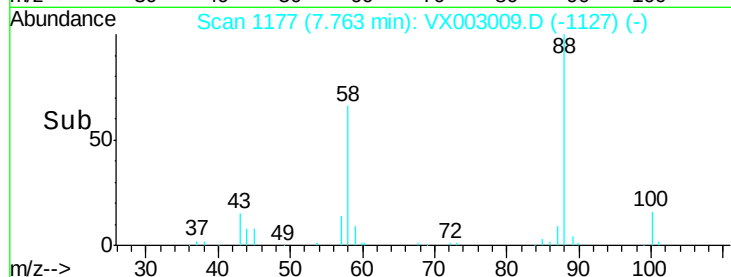
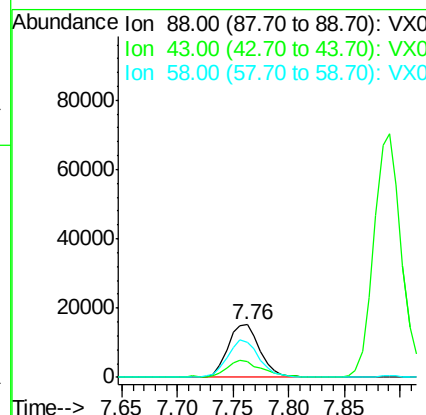
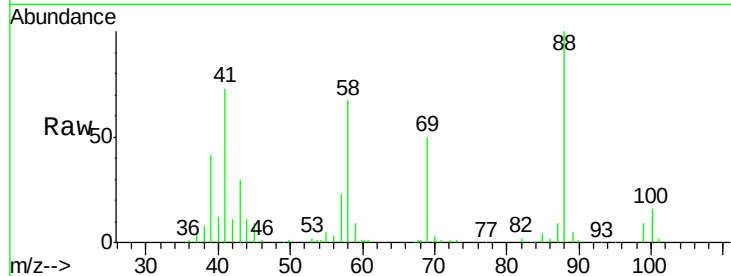
#49
1,4-Dioxane
Concen: 399.94 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.8	44.6
58	71.2	57.1	85.7

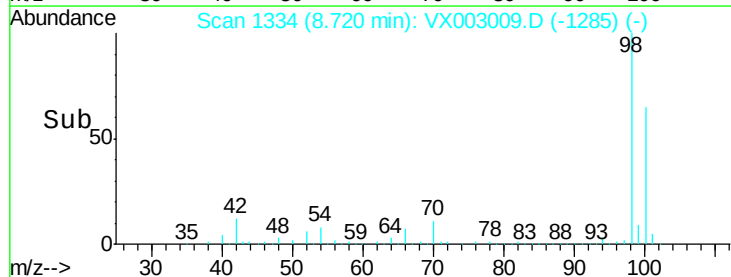
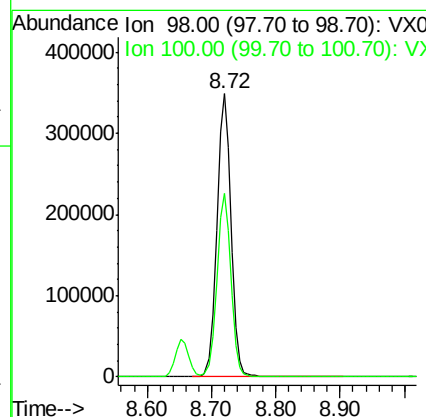
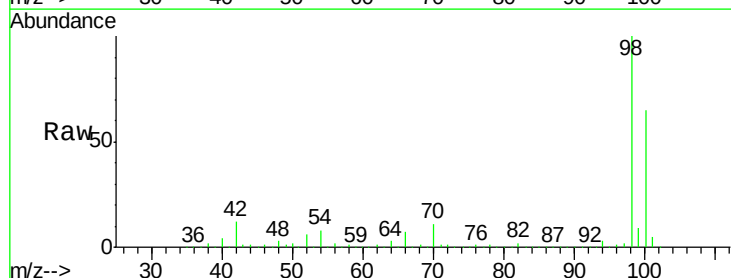
Manual Integrations
APPROVED

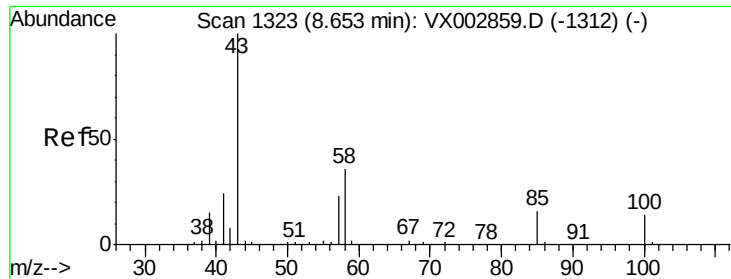
MMDadoda
6/29/2018 12:22:52 PM



#50
Toluene-d8
Concen: 48.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 100.39 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 43 Resp: 476235

Ion Ratio Lower Upper

43 100

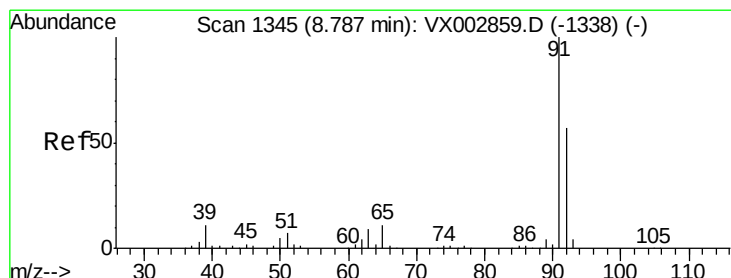
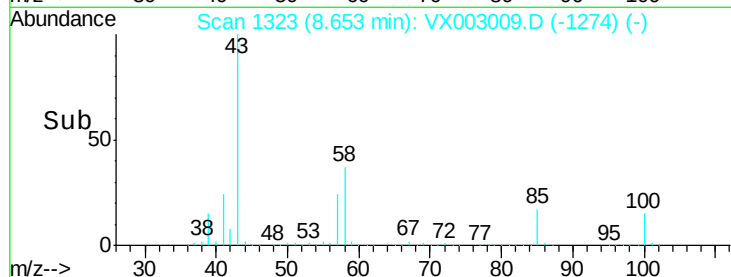
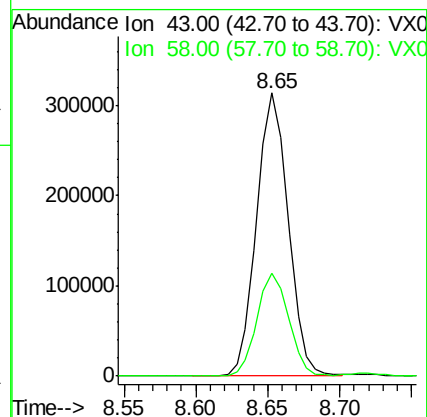
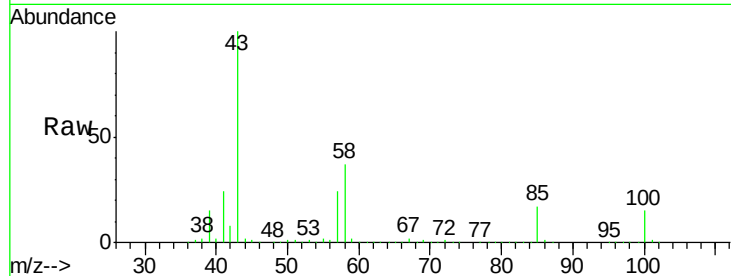
58 36.5 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



#52

Toluene

Concen: 20.13 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003009.D

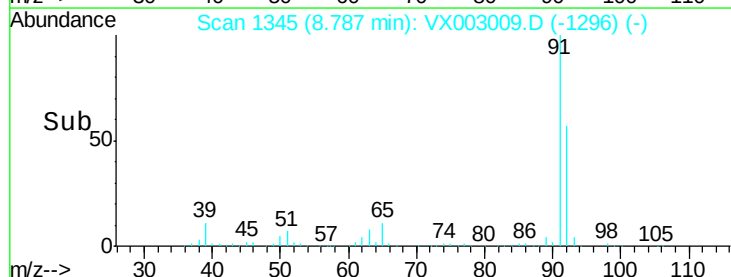
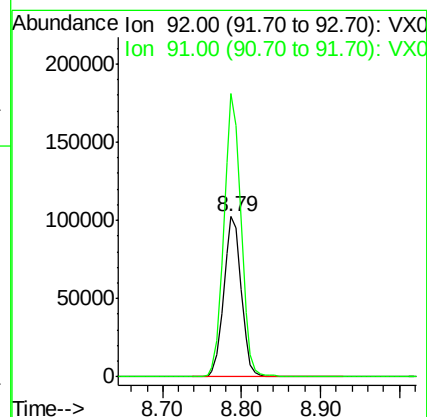
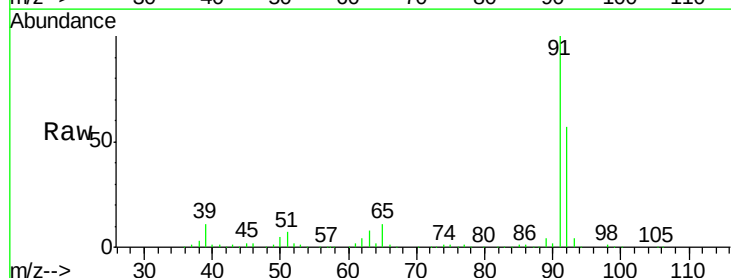
Acq: 29 Jun 2018 02:44

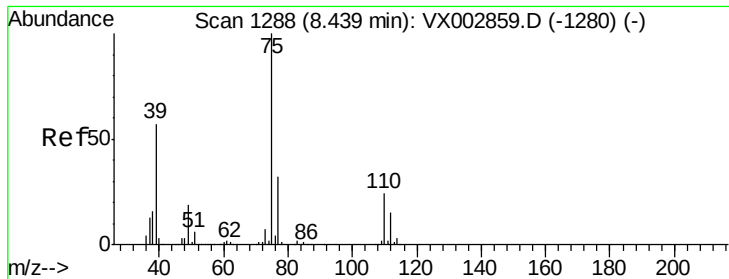
Tgt Ion: 92 Resp: 157296

Ion Ratio Lower Upper

92 100

91 174.5 140.4 210.6





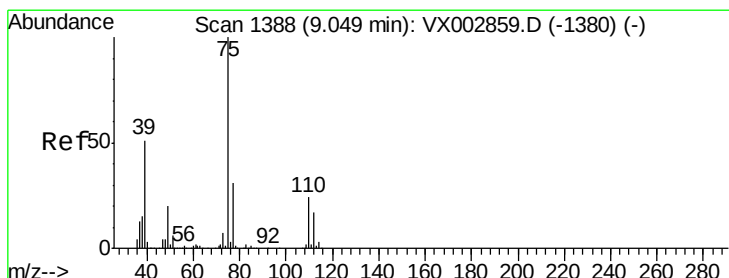
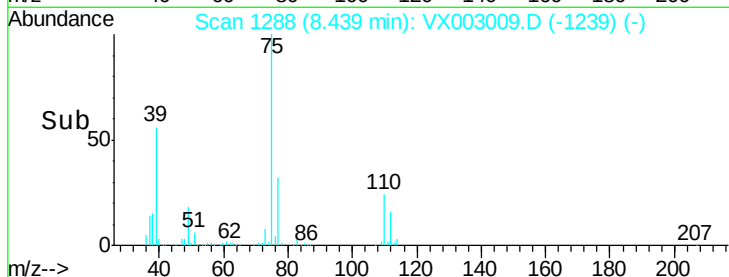
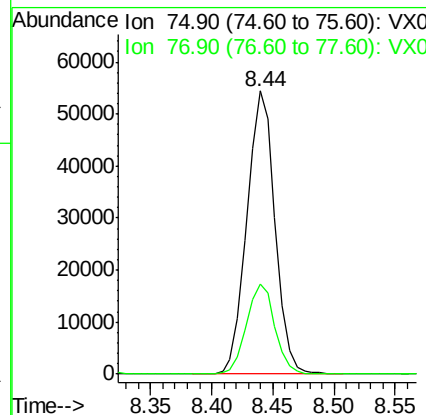
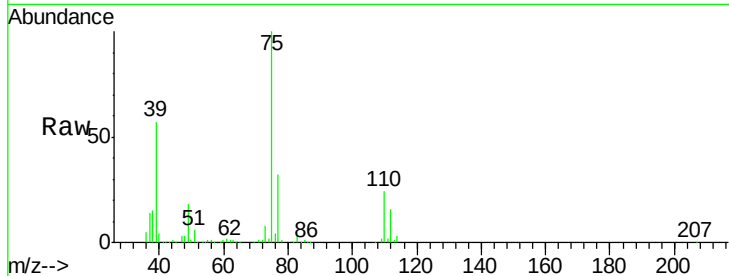
#53
t-1,3-Dichloropropene
Concen: 18.46 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion: 75 Resp: 86783
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

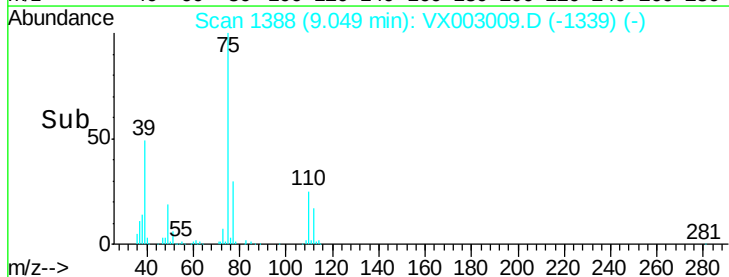
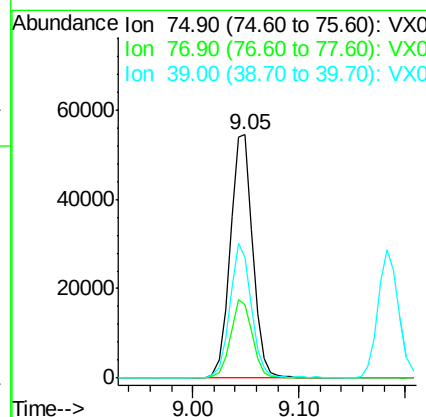
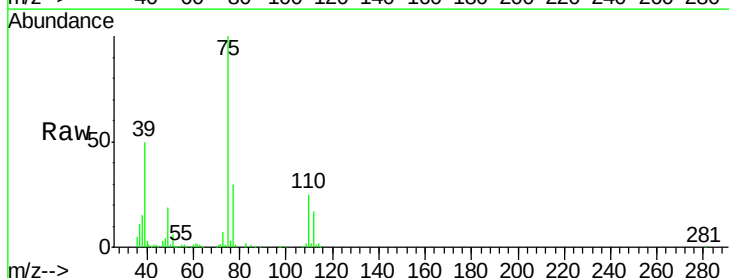
Manual Integrations
APPROVED

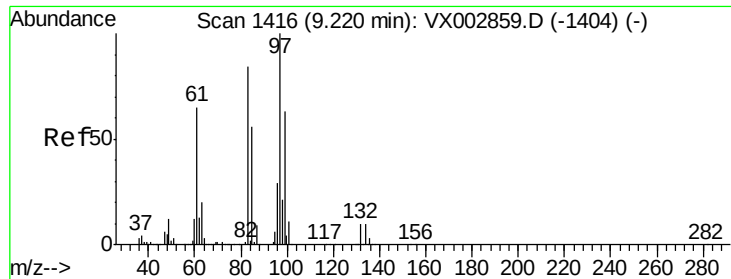
MMDadoda
6/29/2018 12:22:52 PM



#54
cis-1,3-Dichloropropene
Concen: 17.80 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion: 75 Resp: 80538
Ion Ratio Lower Upper
75 100
77 30.2 24.8 37.2
39 49.3 42.4 63.6





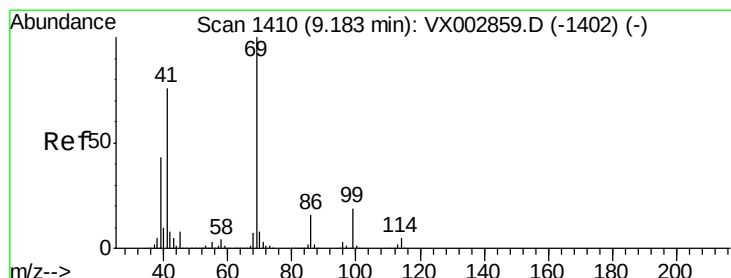
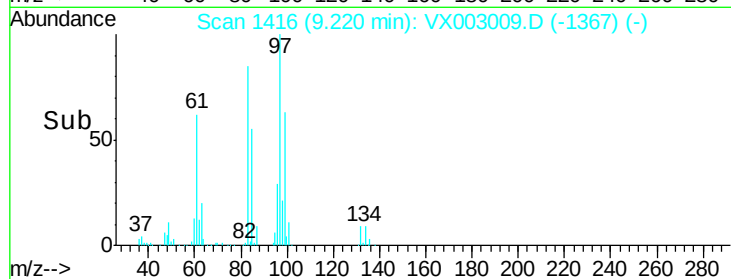
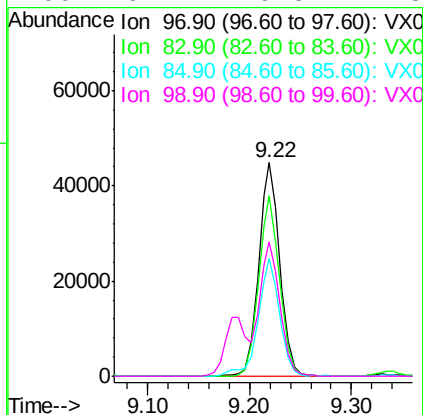
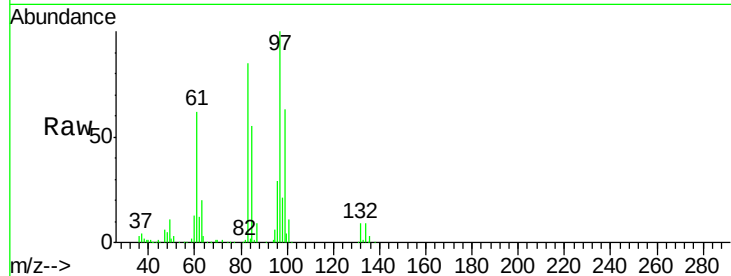
#55
 1,1,2-Trichloroethane
 Concen: 20.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	54.9	44.9	67.3
99	62.7	49.8	74.8

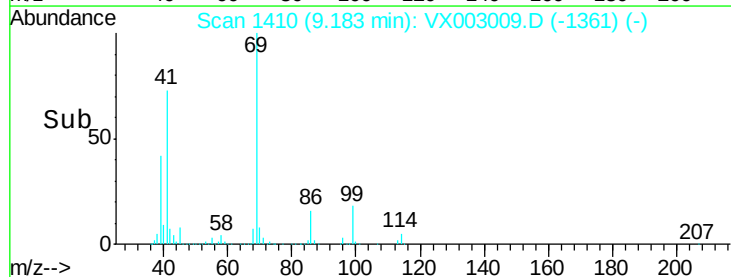
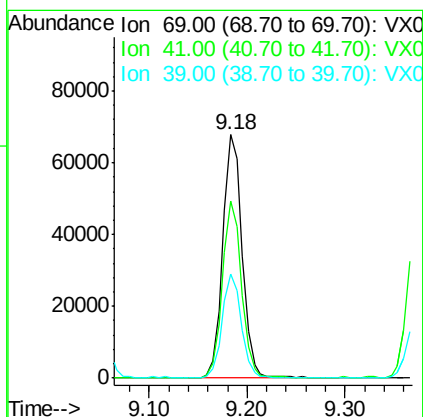
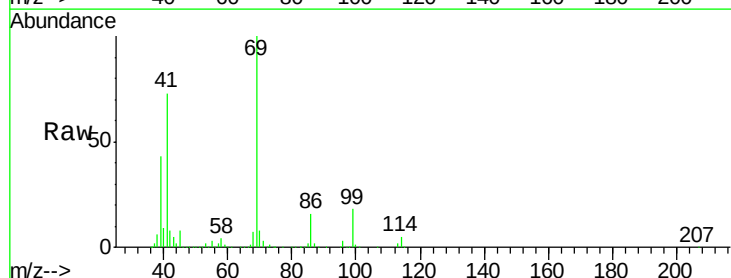
Manual Integrations
 APPROVED

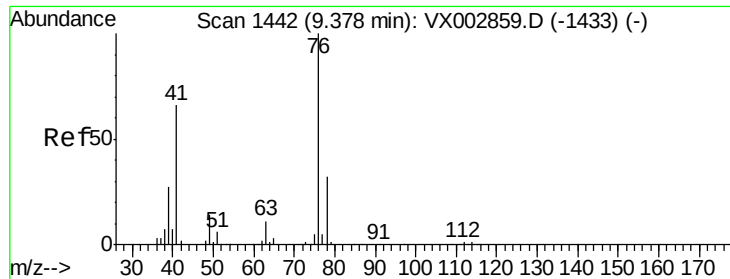
MMDadoda
 6/29/2018 12:22:52 PM



#56
 Ethyl methacrylate
 Concen: 19.88 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.0	60.3	90.5
39	41.6	35.8	53.8





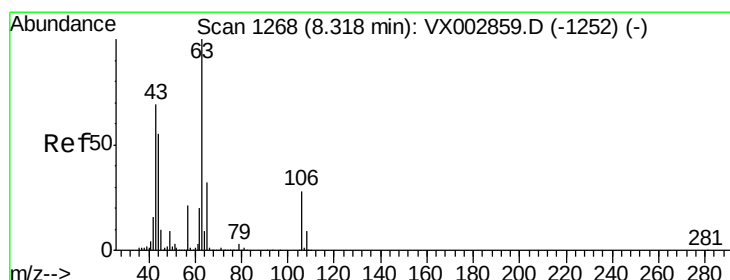
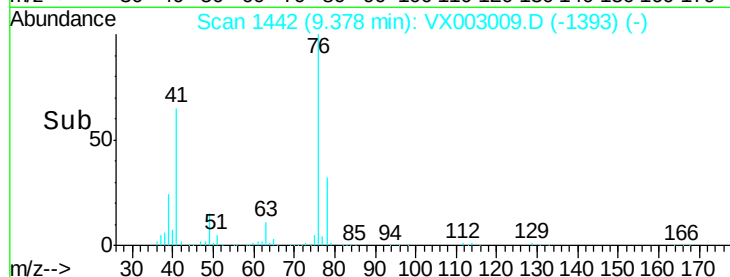
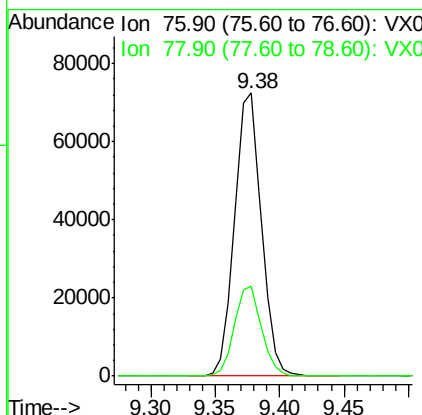
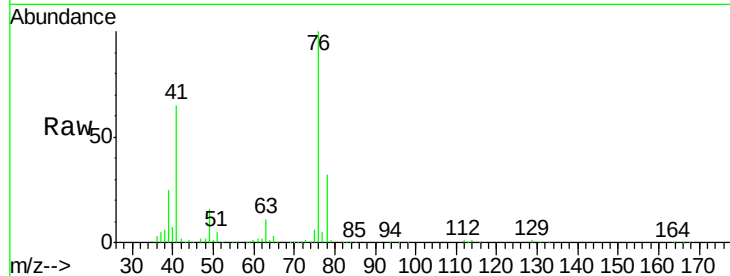
#57
 1,3-Dichloropropane
 Concen: 19.99 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

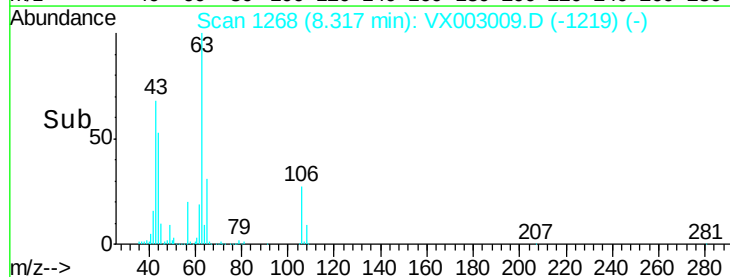
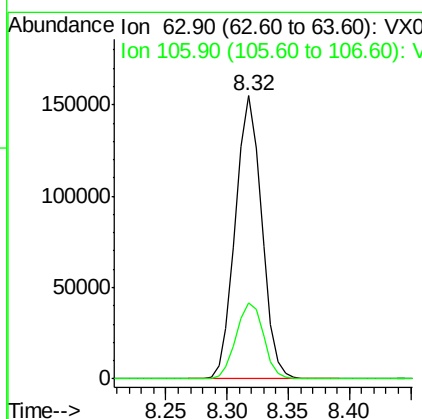
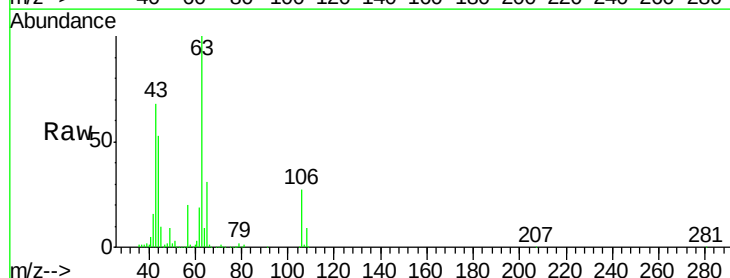
Manual Integrations
 APPROVED

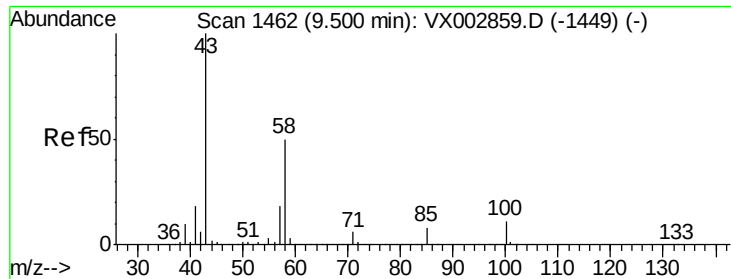
MMDadoda
 6/29/2018 12:22:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.54 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.8





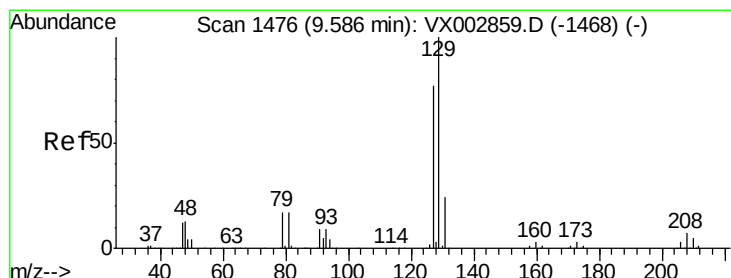
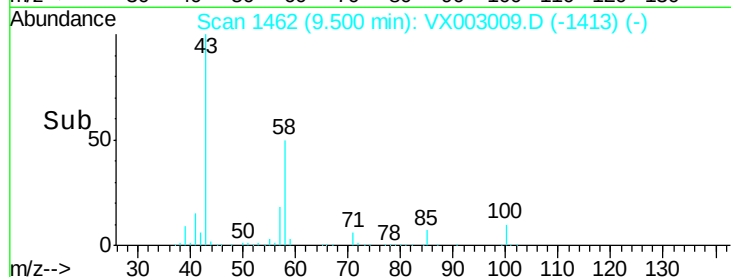
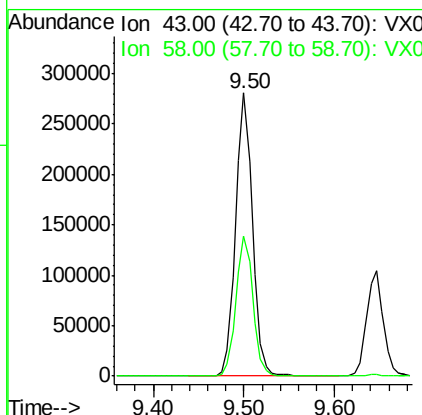
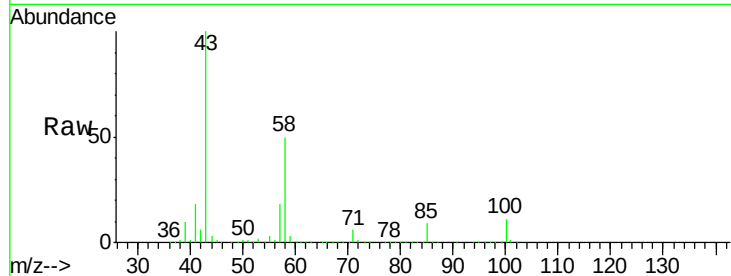
#59
2-Hexanone
Concen: 100.61 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

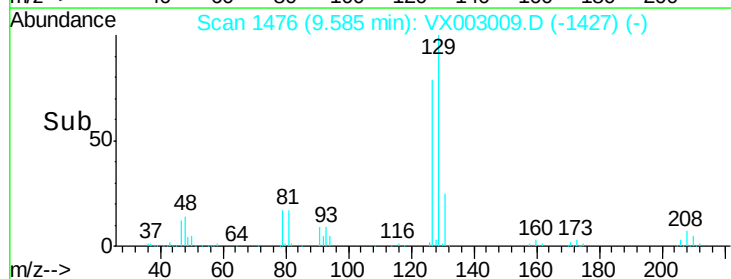
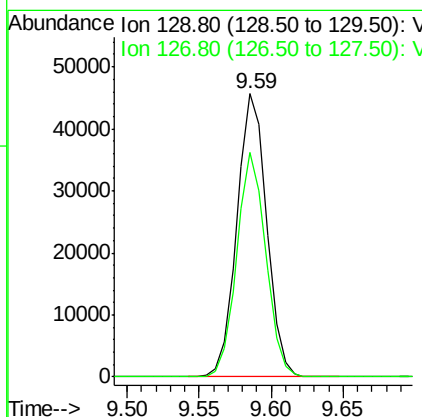
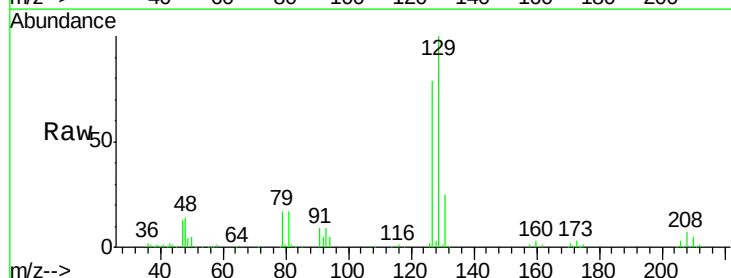
Manual Integrations
APPROVED

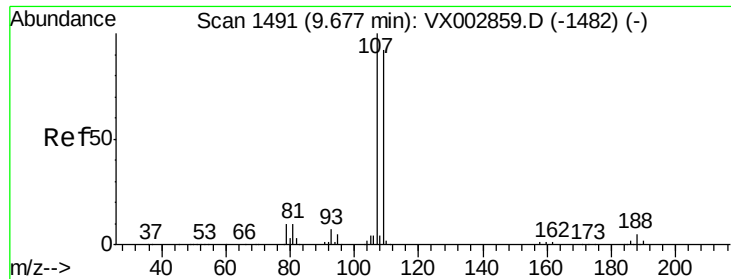
MMDadoda
6/29/2018 12:22:52 PM



#60
Dibromochloromethane
Concen: 19.40 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.01 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion:107 Resp: 67400

Ion Ratio Lower Upper

107 100

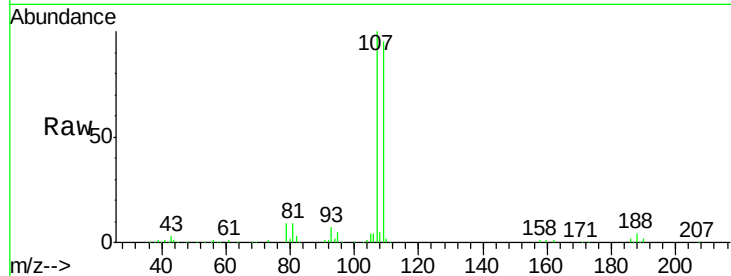
109 94.8 75.3 112.9

Manual Integrations

APPROVED

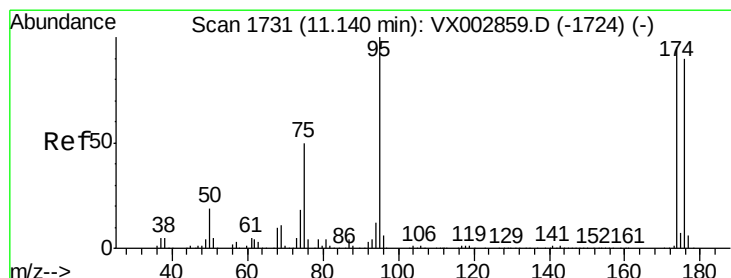
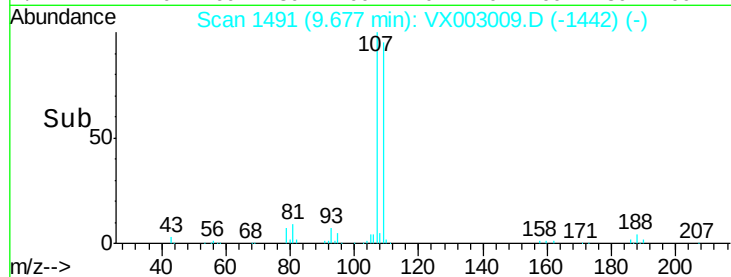
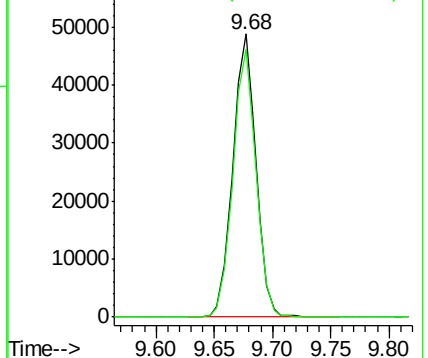
MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

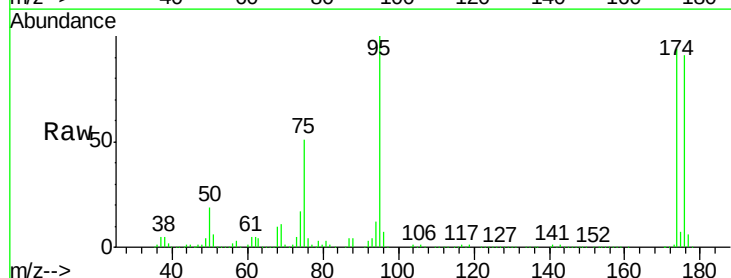
Tgt Ion: 95 Resp: 202900

Ion Ratio Lower Upper

95 100

174 97.0 0.0 187.4

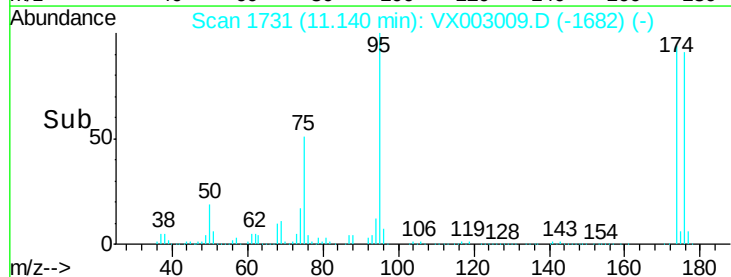
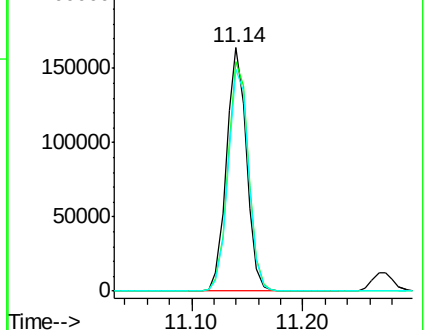
176 93.4 0.0 181.0

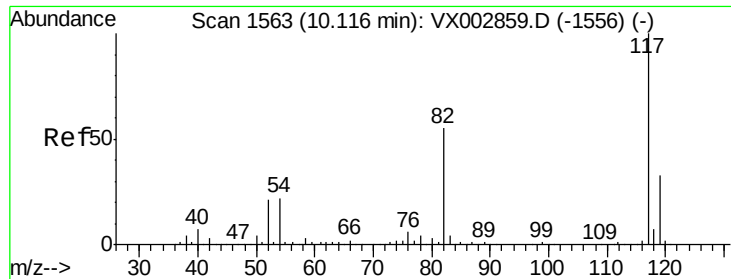


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





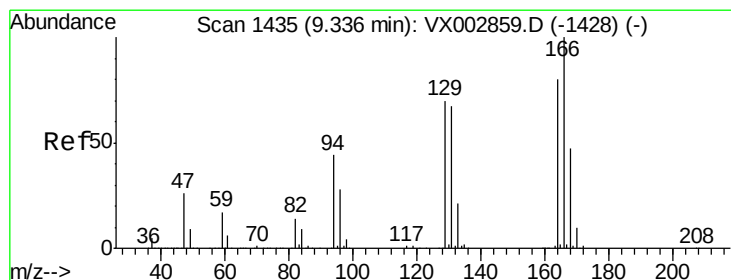
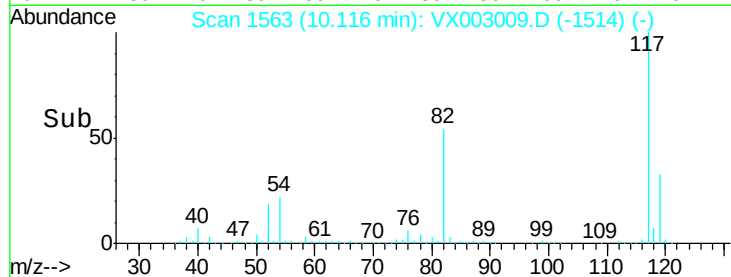
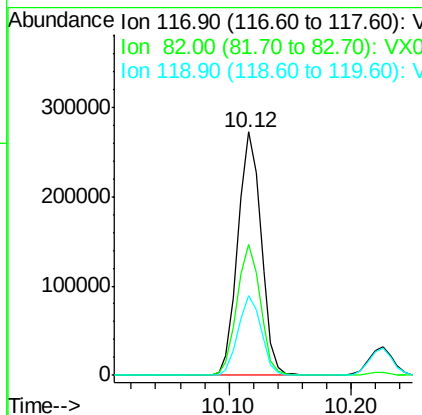
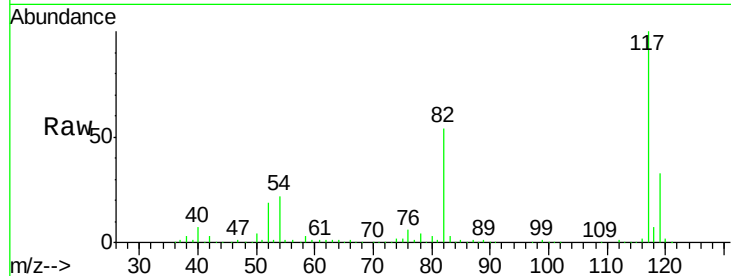
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

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

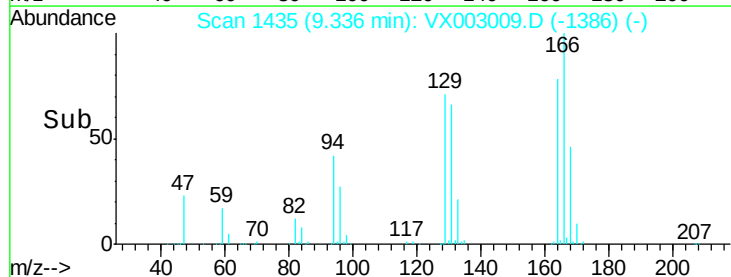
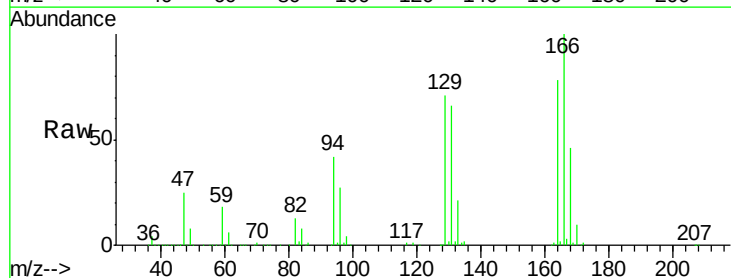
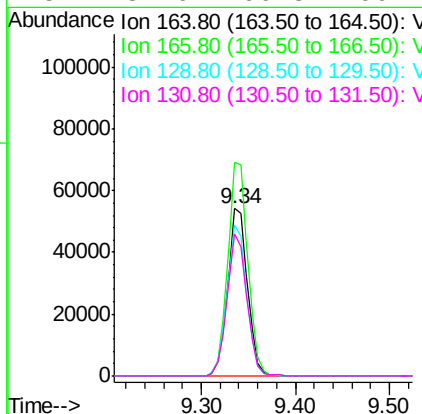
Manual Integrations
APPROVED

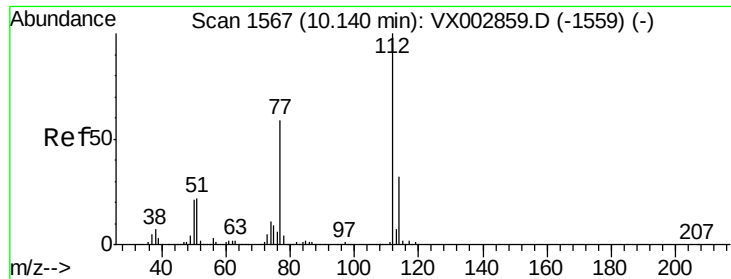
MMDadoda
6/29/2018 12:22:52 PM



#64
Tetrachloroethene
Concen: 19.89 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.9	154.3
129	90.3	68.6	102.8
131	84.6	66.8	100.2





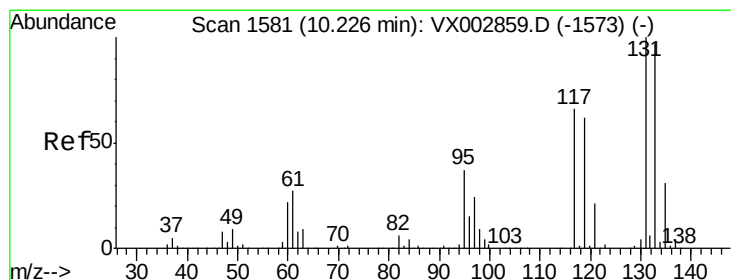
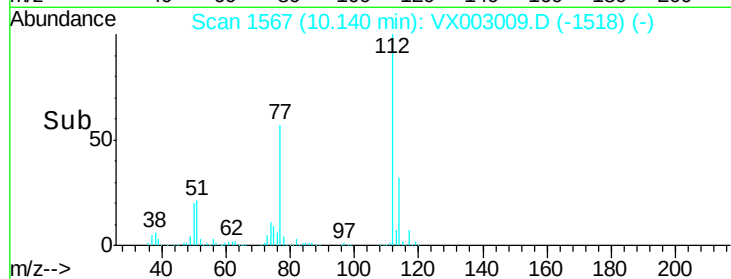
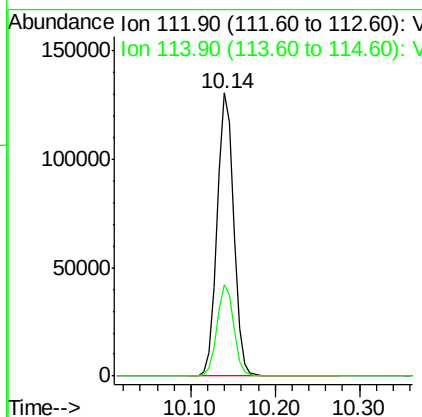
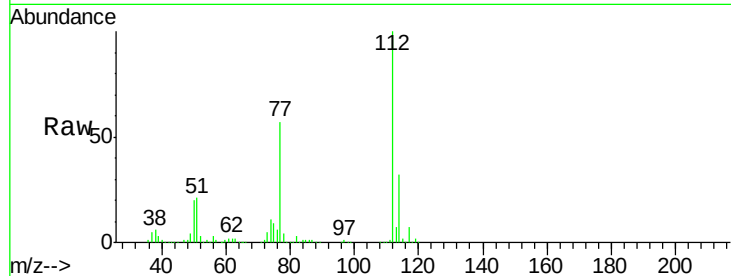
#65
Chlorobenzene
Concen: 19.73 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

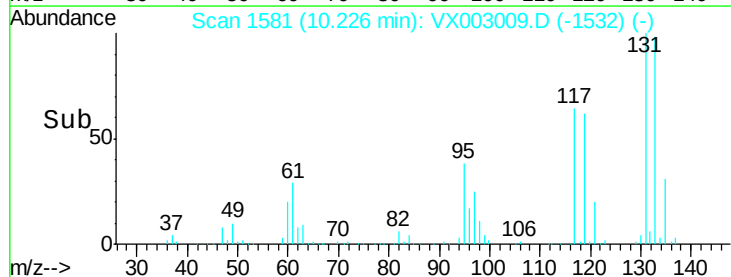
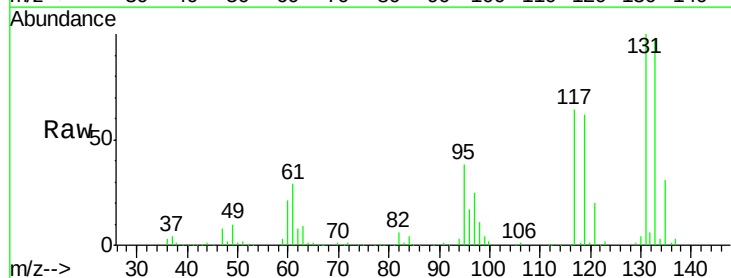
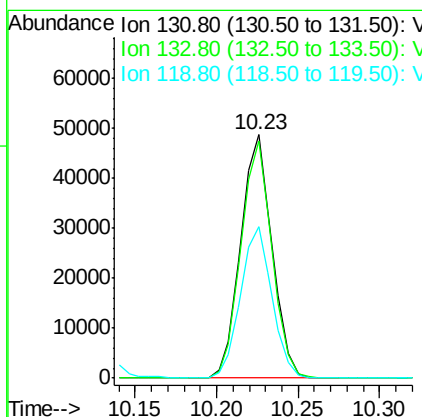
Manual Integrations
APPROVED

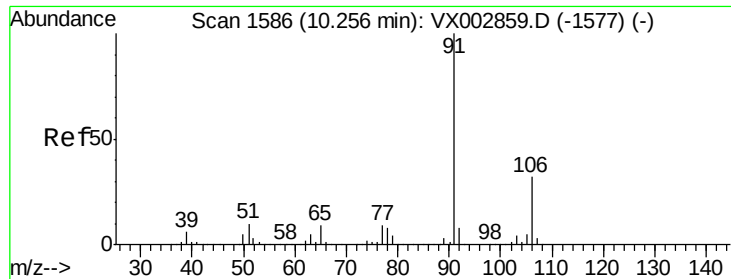
MMDadoda
6/29/2018 12:22:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.69 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.9	143.6
119	62.4	31.8	95.3





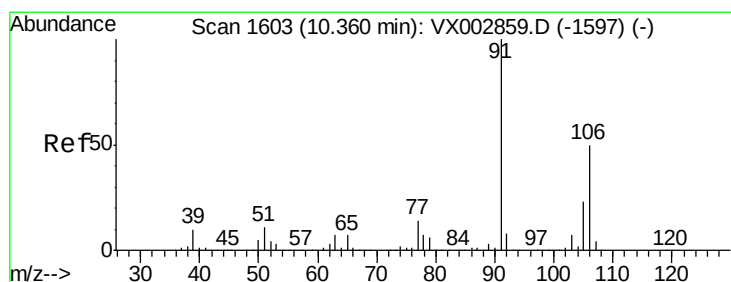
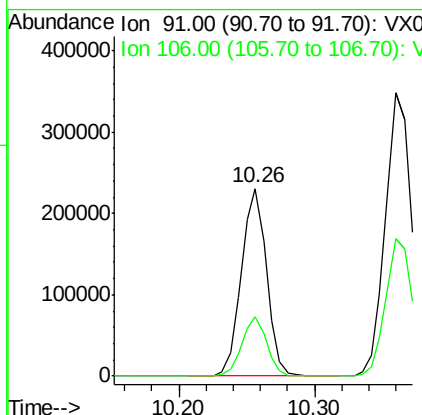
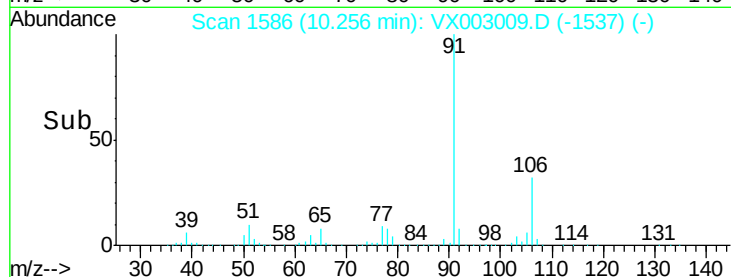
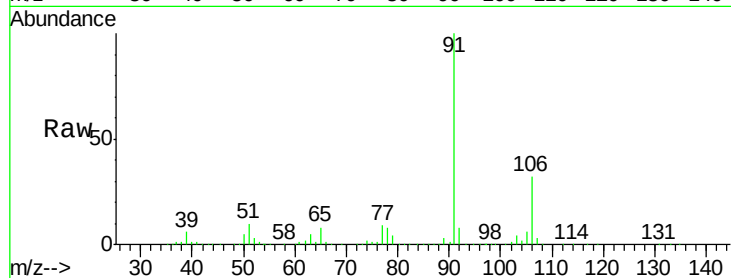
#67
Ethyl Benzene
Concen: 19.83 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion: 91 Resp: 298850
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

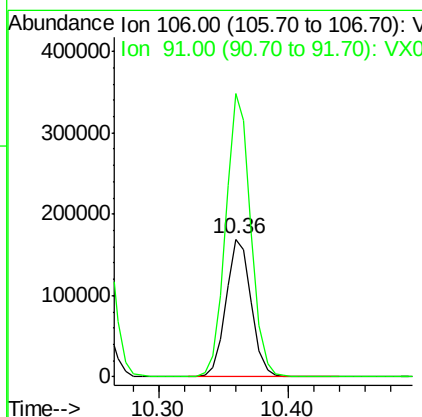
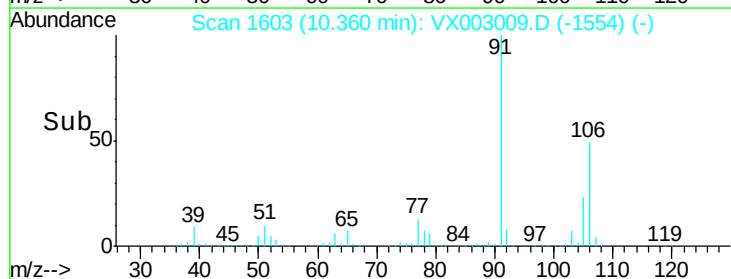
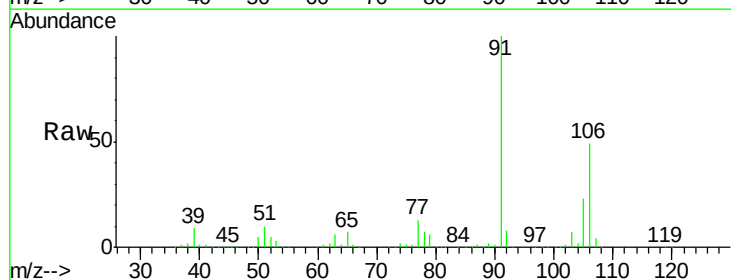
Manual Integrations
APPROVED

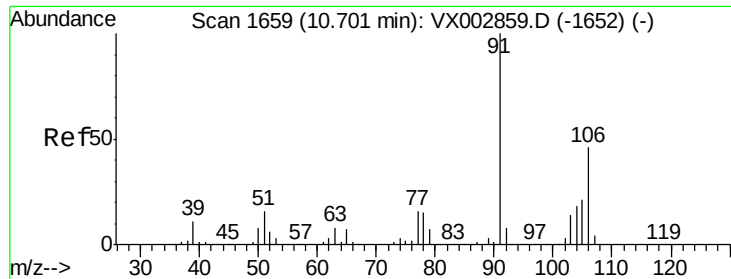
MMDadoda
6/29/2018 12:22:52 PM



#68
m/p-Xylenes
Concen: 39.99 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion: 106 Resp: 232328
Ion Ratio Lower Upper
106 100
91 203.6 163.4 245.2





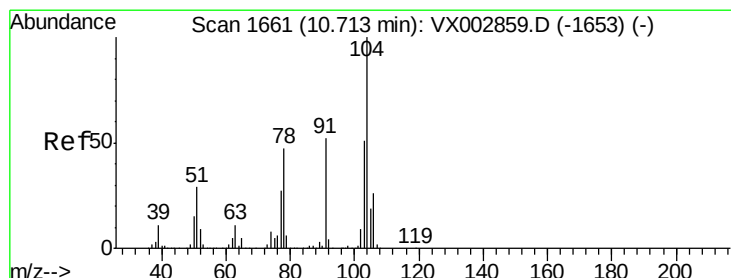
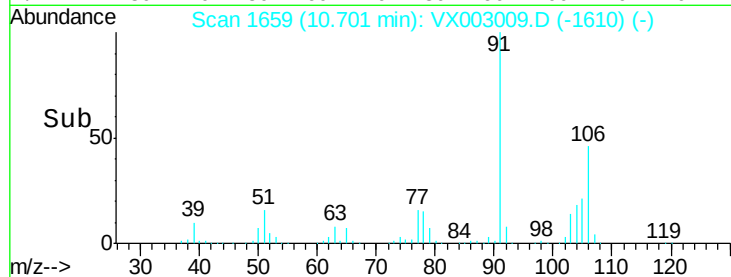
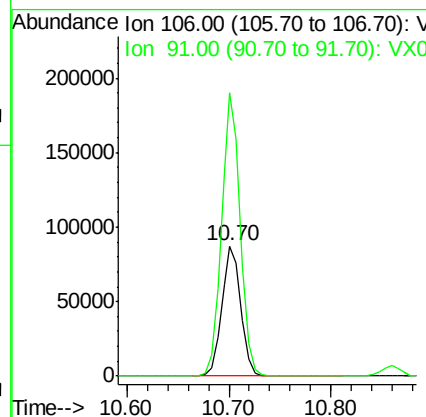
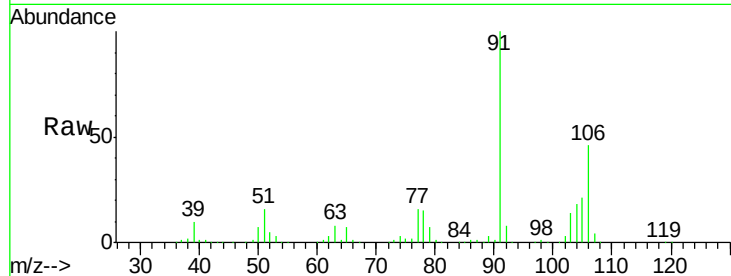
#69
o-Xylene
Concen: 20.10 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampled :
VX0628WBS03

Tot Ion:106 Resp: 113704
Ion Ratio Lower Upper
106 100
91 213.5 108.2 324.6

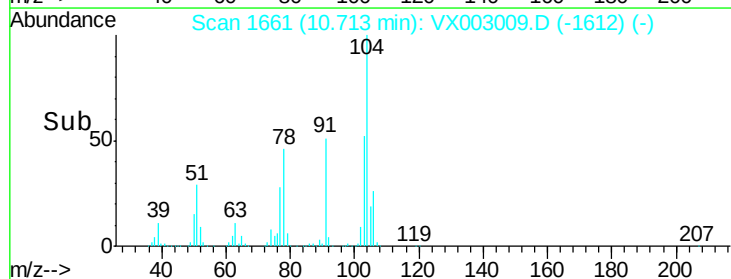
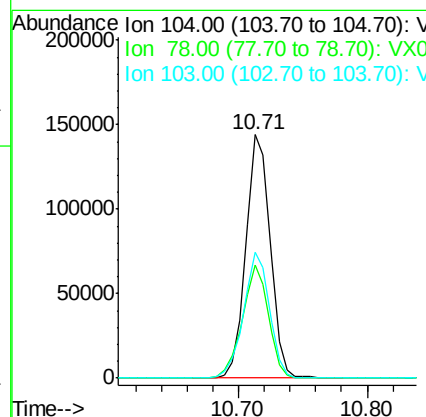
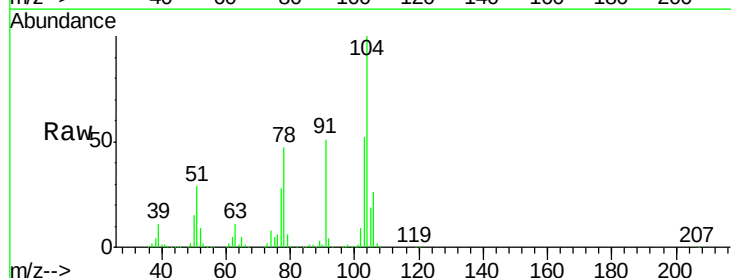
Manual Integrations
APPROVED

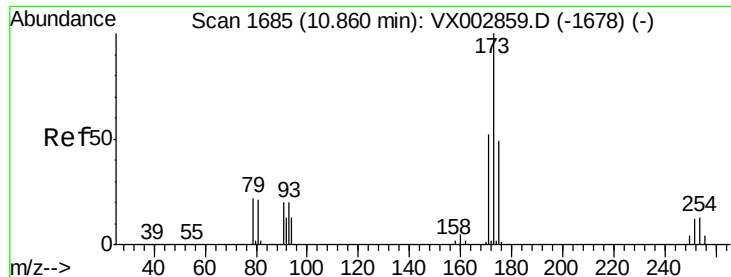
MMDadoda
6/29/2018 12:22:52 PM



#70
Styrene
Concen: 20.41 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion:104 Resp: 187569
Ion Ratio Lower Upper
104 100
78 50.2 41.0 61.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 19.59 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion:173 Resp: 50969

Ion Ratio Lower Upper

173 100

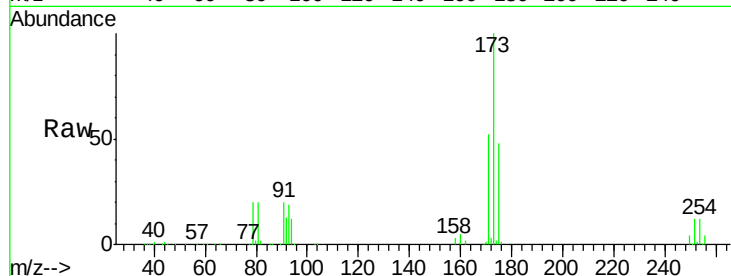
175 48.7 24.7 74.1

254 0.2 0.2 0.2#

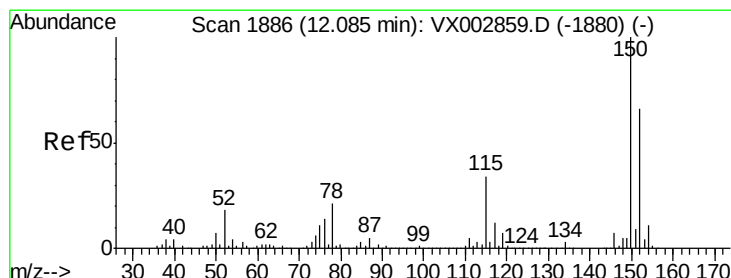
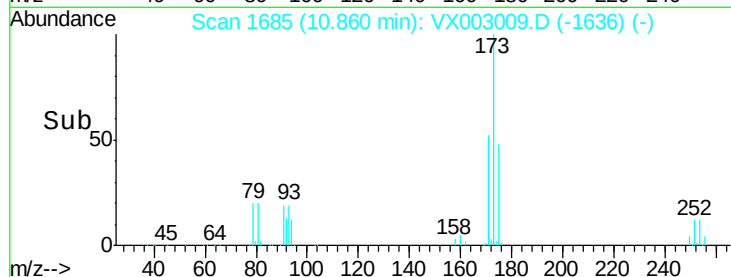
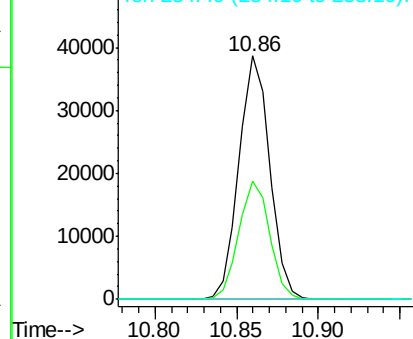
Manual Integrations
APPROVED

MMDadoda

6/29/2018 12:22:52 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

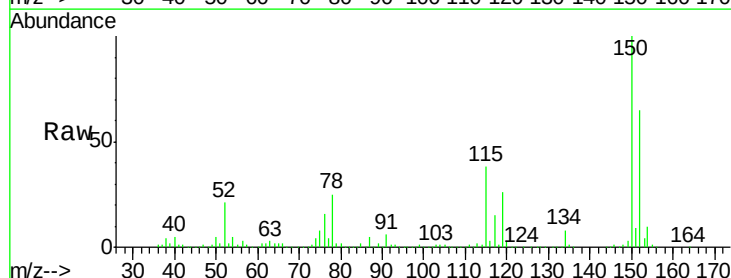
Tgt Ion:152 Resp: 220802

Ion Ratio Lower Upper

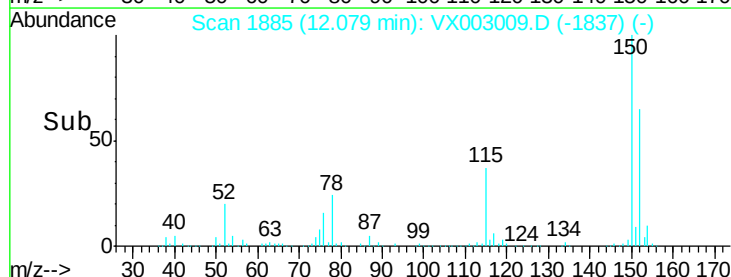
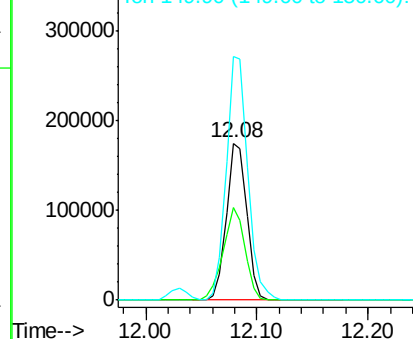
152 100

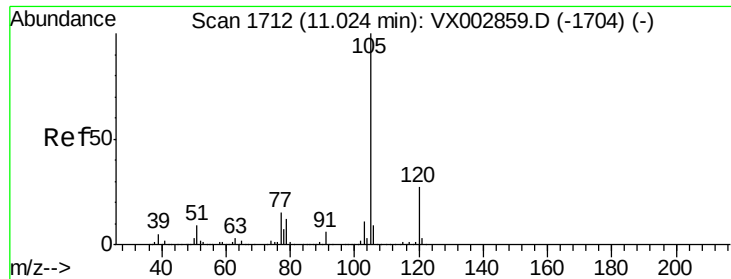
115 63.5 40.1 120.2

150 163.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.40 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion:105 Resp: 302995

Ion Ratio Lower Upper

105 100

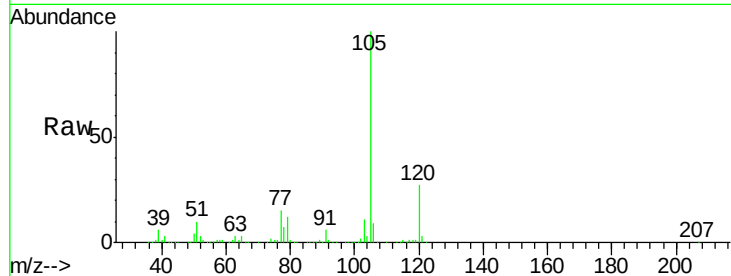
120 27.0 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

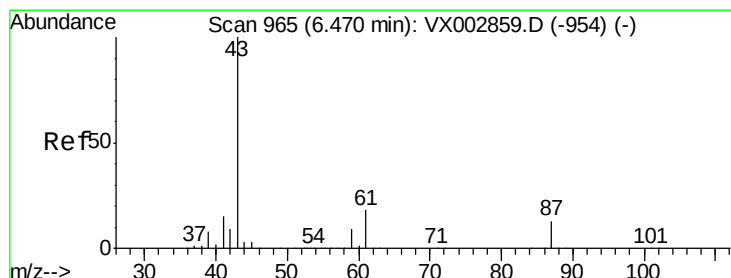
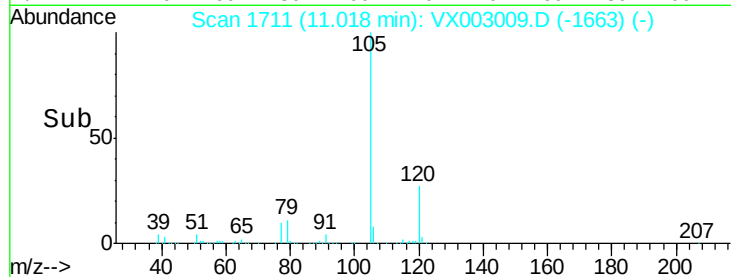
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.24 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion: 43 Resp: 147092

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 18.3 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

20000

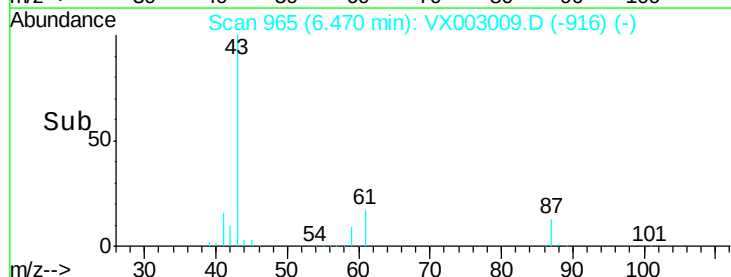
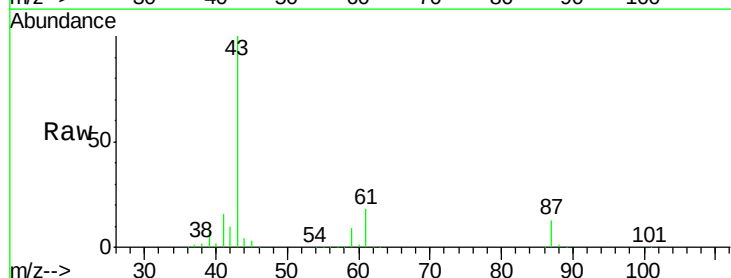
0

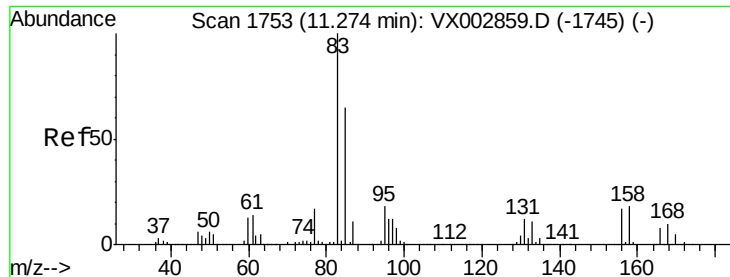
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

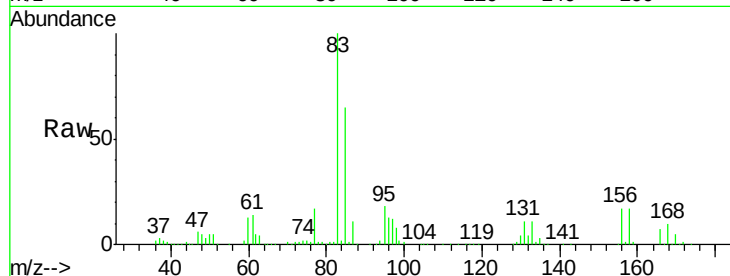
ClientSampleId :

VX0628WBS03

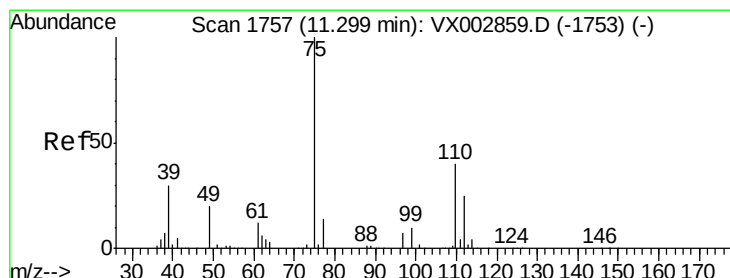
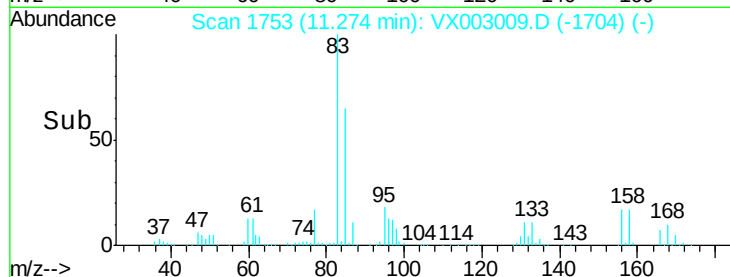
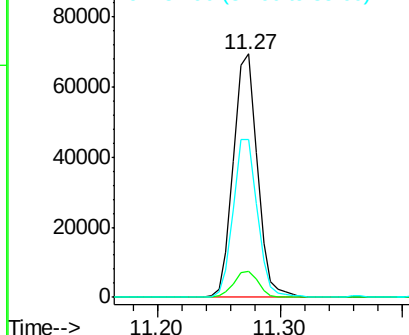
Tot Ion:	83	Resp:	94106
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	65.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.91 ug/l m

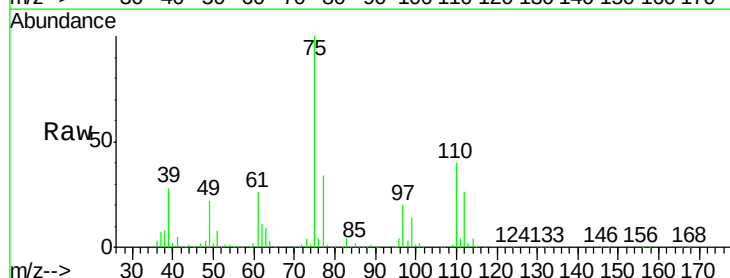
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

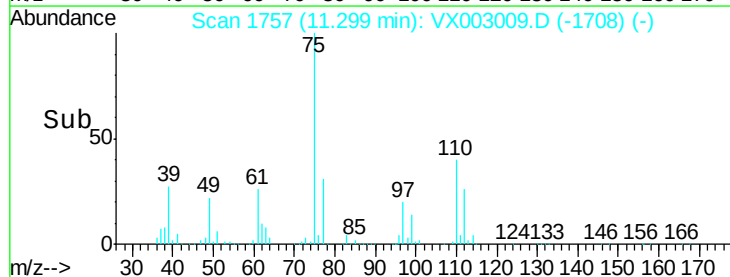
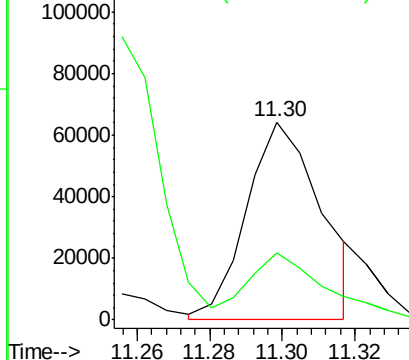
Lab File: VX003009.D

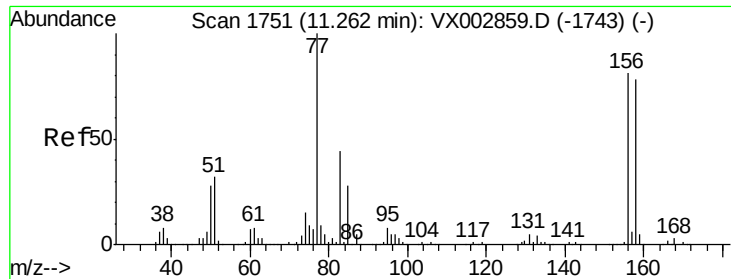
Acq: 29 Jun 2018 02:44

Tgt Ion:	75	Resp:	91644
Ion Ratio	Lower	Upper	
75	100		
77	35.8	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.02 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion:156 Resp: 84672

Ion Ratio Lower Upper

156 100

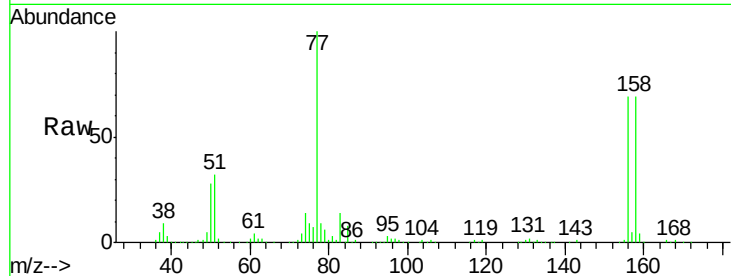
77 140.1 71.4 214.2

158 99.3 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

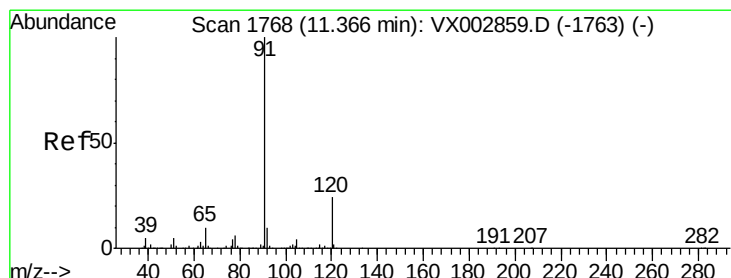
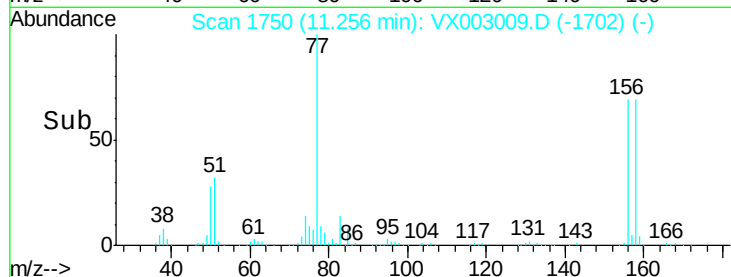
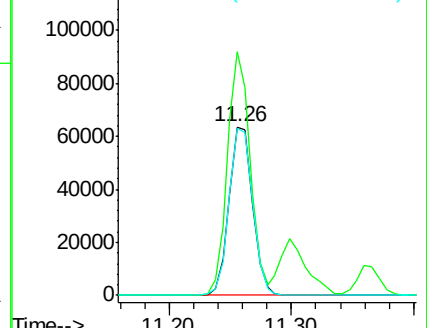
6/29/2018 12:22:52 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.87 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003009.D

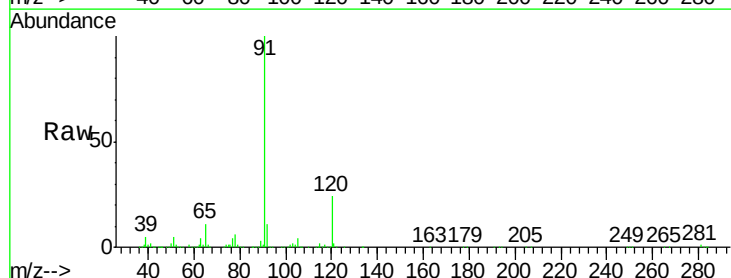
Acq: 29 Jun 2018 02:44

Tgt Ion: 91 Resp: 335955

Ion Ratio Lower Upper

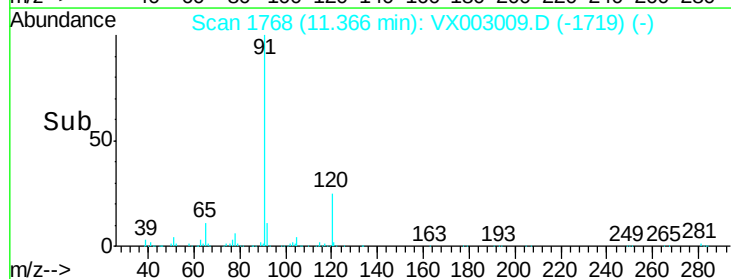
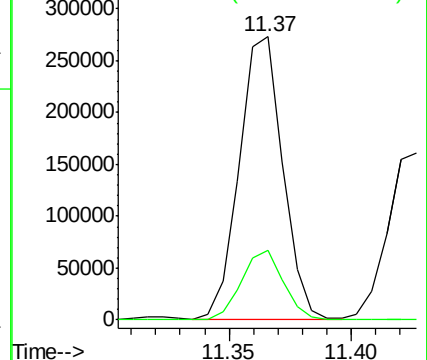
91 100

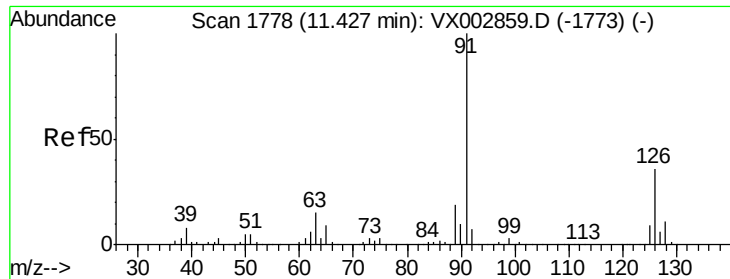
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 91 Resp: 206381

Ion Ratio Lower Upper

91 100

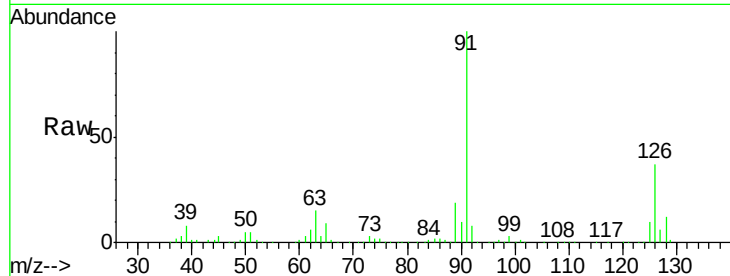
126 36.1 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)

300000

250000

200000

150000

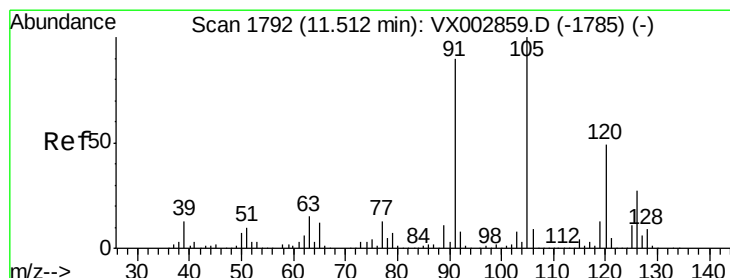
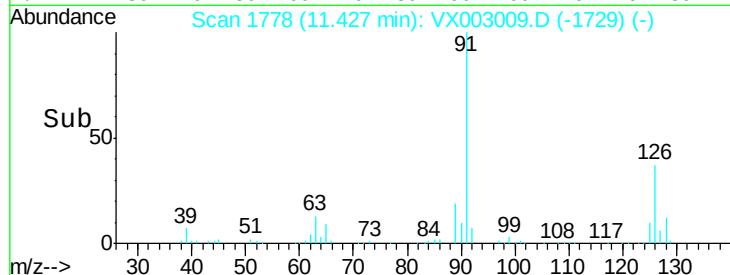
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003009.D

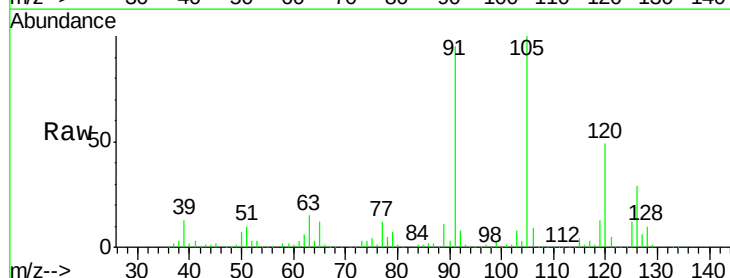
Acq: 29 Jun 2018 02:44

Tgt Ion: 105 Resp: 250310

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

200000

150000

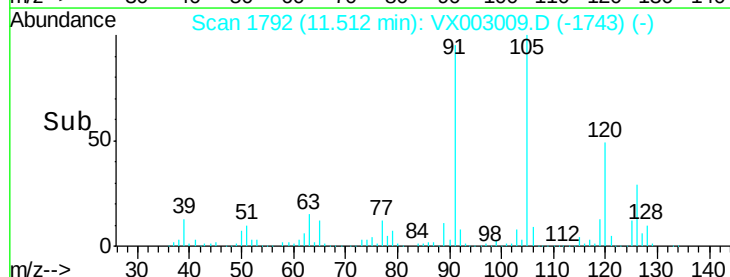
100000

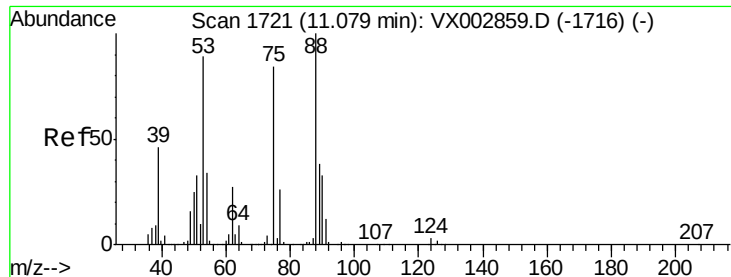
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.28 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS03

Tot Ion: 75 Resp: 19086

Ion Ratio Lower Upper

75 100

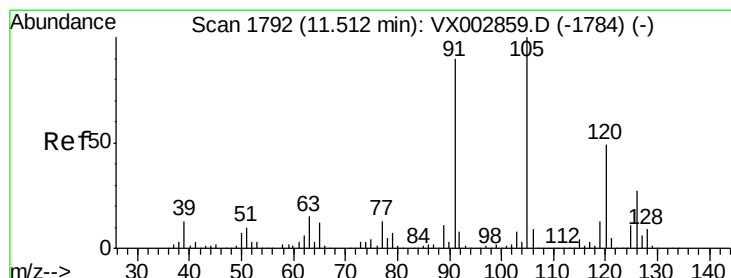
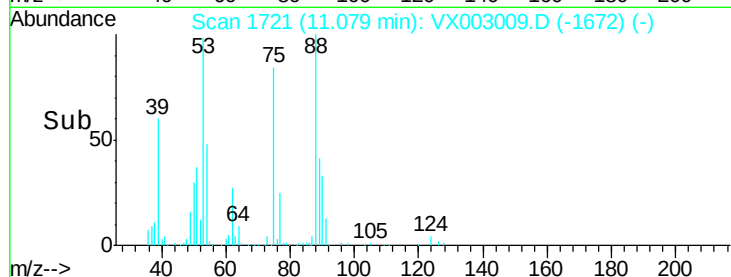
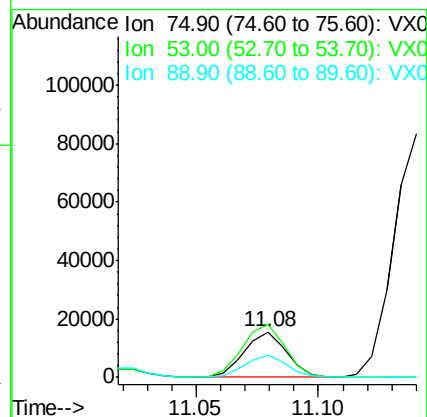
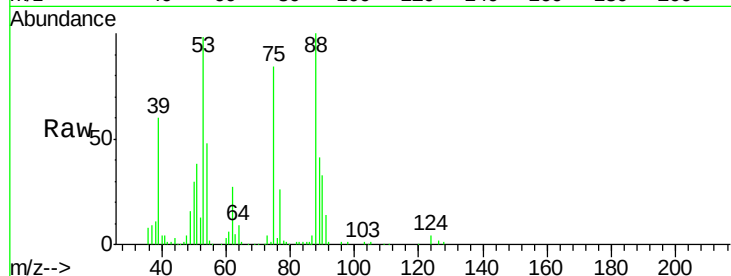
53 116.2 86.8 130.2

89 49.1 38.2 57.2

Manual Integrations
APPROVED

MMDadoda

6/29/2018 12:22:52 PM



#82

4-Chlorotoluene

Concen: 20.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003009.D

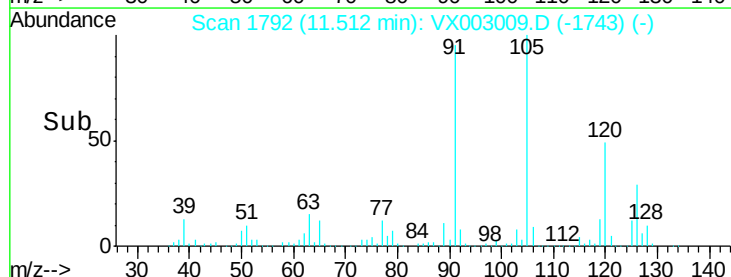
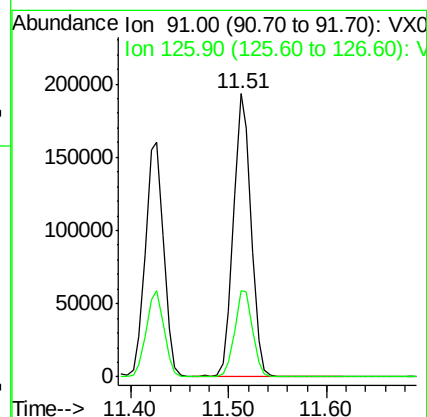
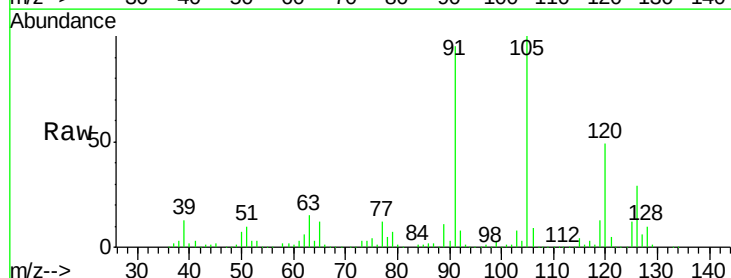
Acq: 29 Jun 2018 02:44

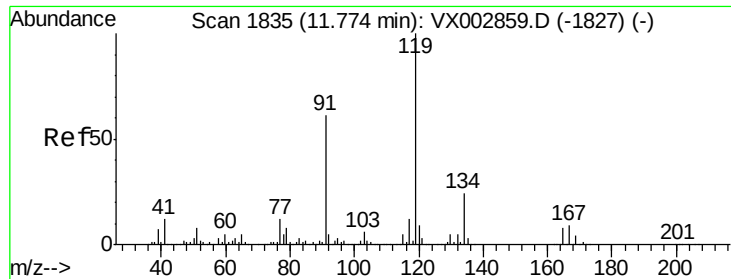
Tgt Ion: 91 Resp: 242541

Ion Ratio Lower Upper

91 100

126 31.1 15.4 46.4





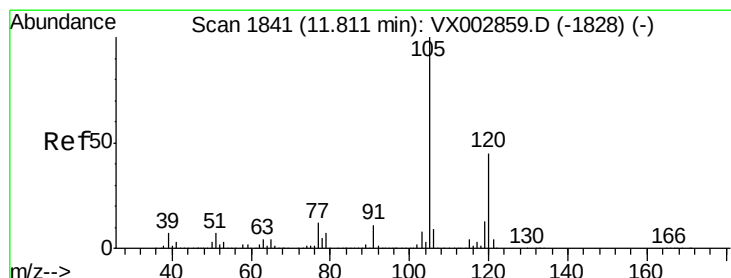
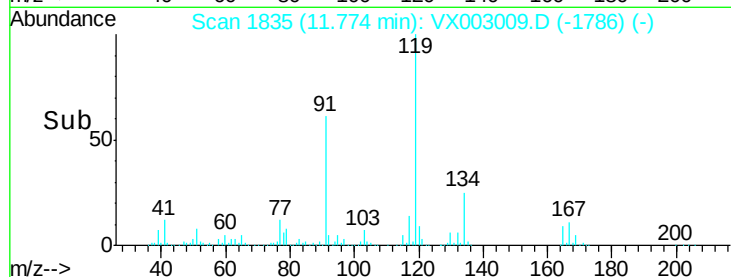
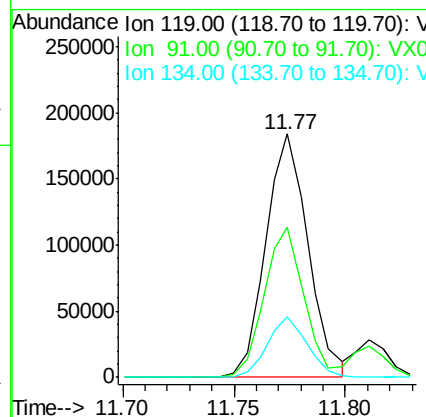
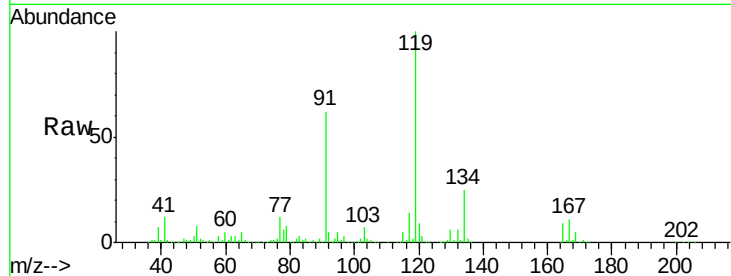
#83
 tert-Butylbenzene
 Concen: 19.64 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242131		
91	57.6	30.3	90.9	
134	23.5	11.7	35.1	

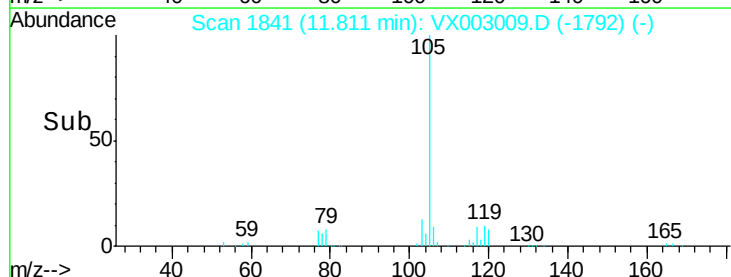
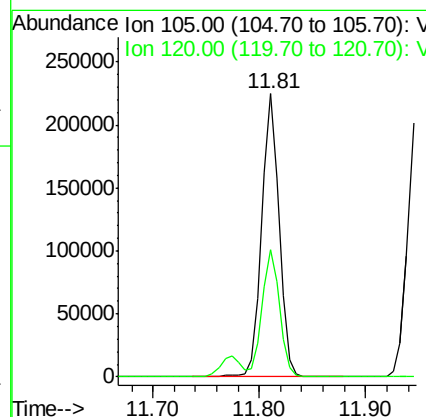
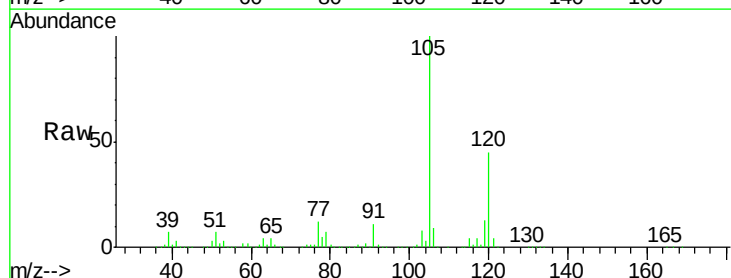
Manual Integrations
 APPROVED

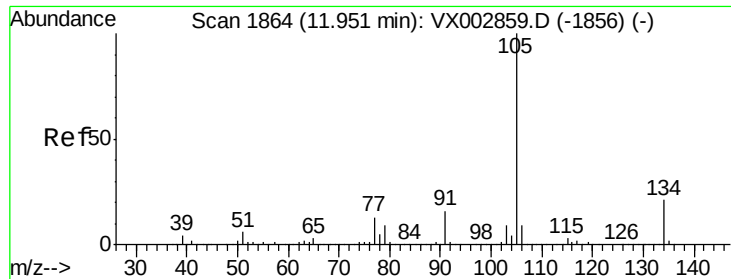
MMDadoda
 6/29/2018 12:22:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.07 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260183		
120	45.0	22.3	66.8	





#85

sec-Butylbenzene

Concen: 19.06 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS03

Tot Ion:105 Resp: 285101

Ion Ratio Lower Upper

105 100

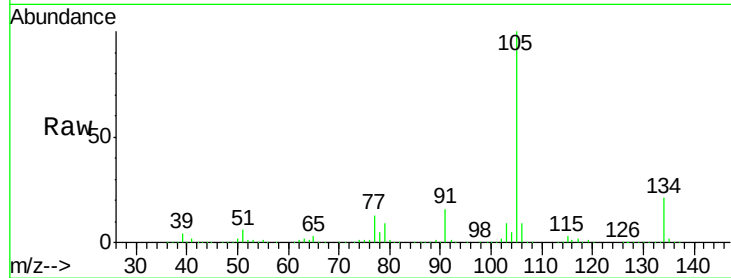
134 21.0 10.4 31.1

Manual Integrations

APPROVED

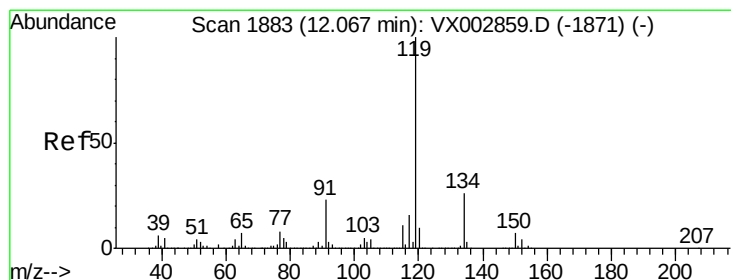
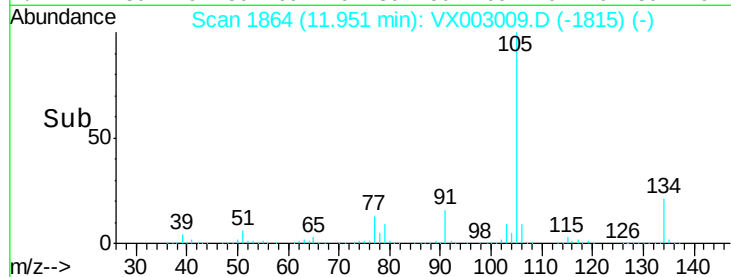
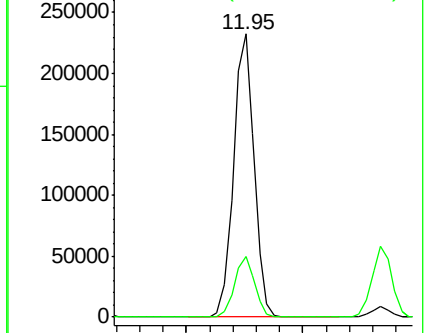
MMDadoda

6/29/2018 12:22:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.25 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

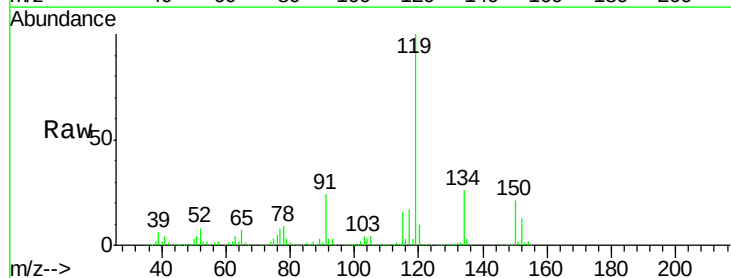
Tgt Ion:119 Resp: 258869

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

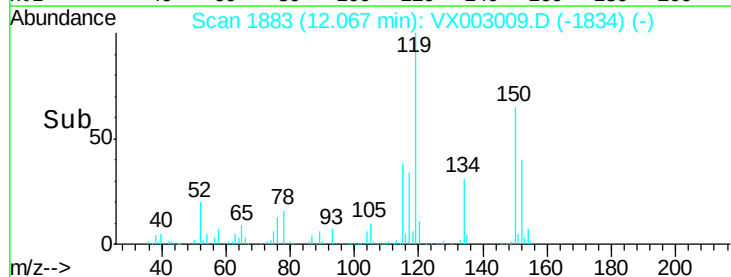
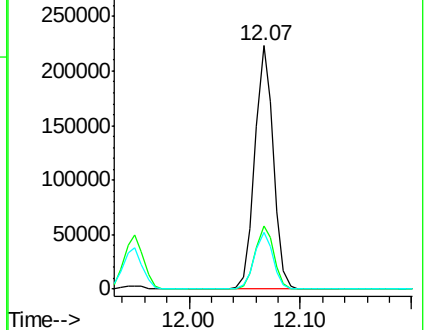
91 23.4 11.9 35.7

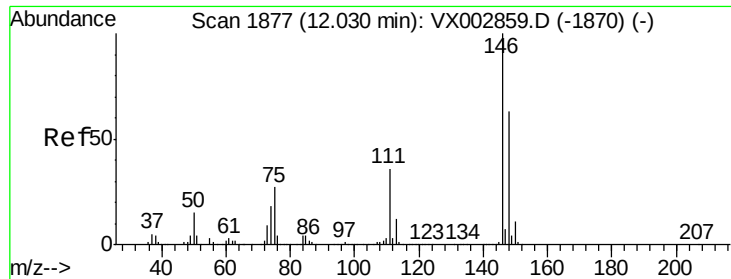


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





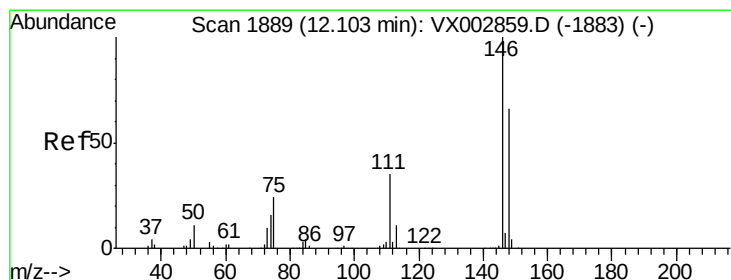
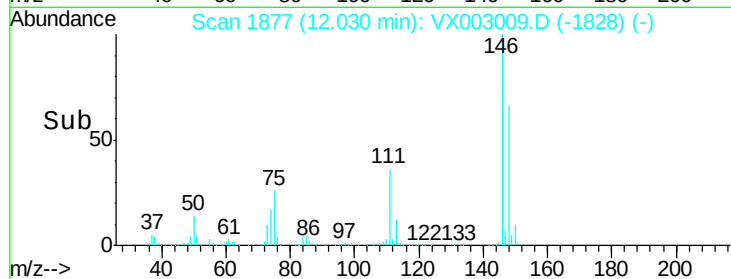
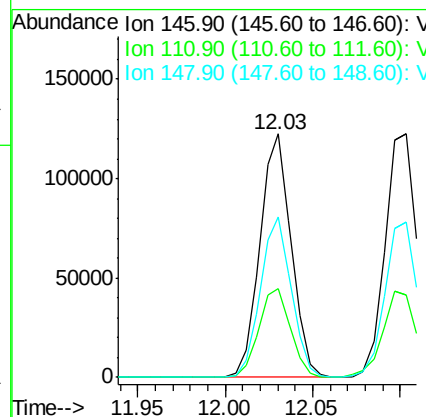
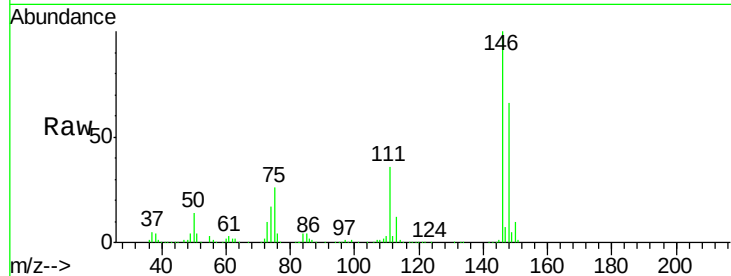
#87
 1,3-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.9	32.1	96.3

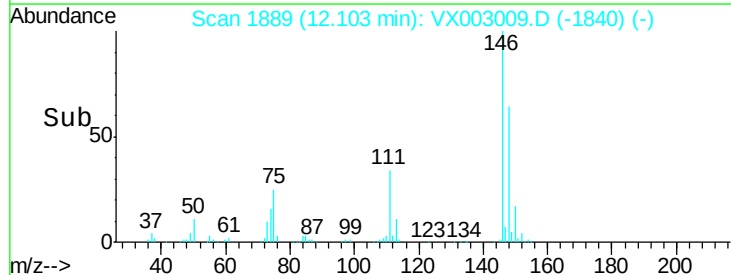
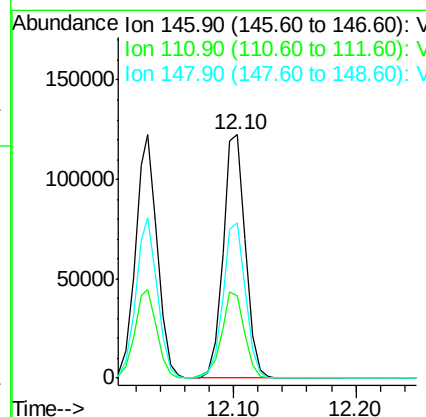
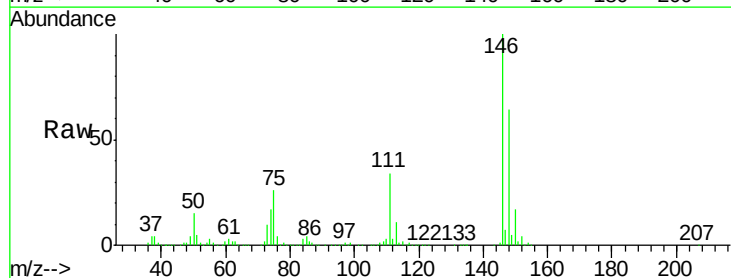
Manual Integrations
 APPROVED

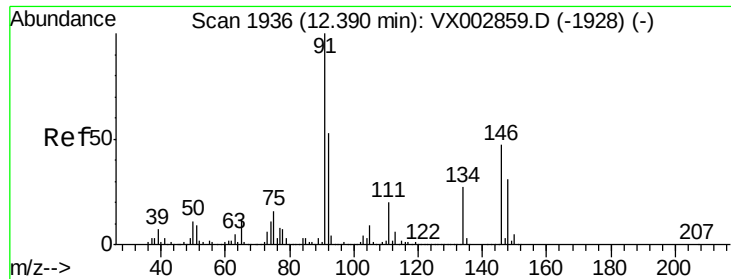
MMDadoda
 6/29/2018 12:22:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.5	32.4	97.0





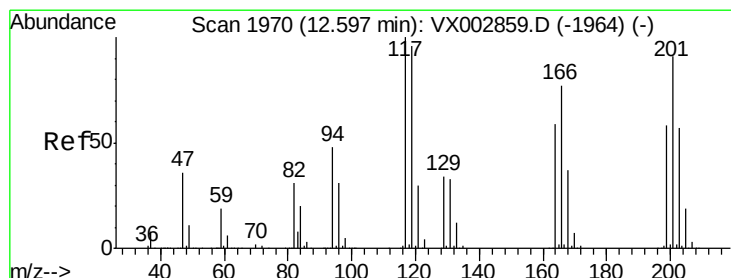
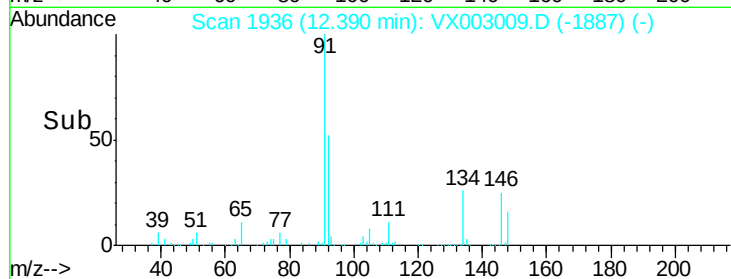
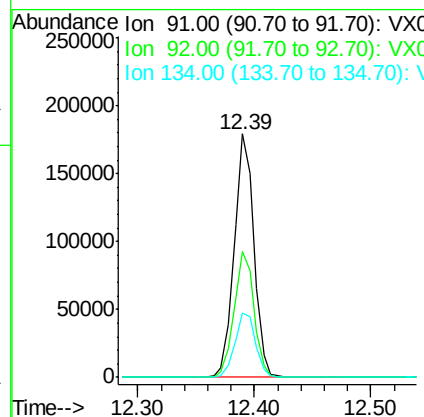
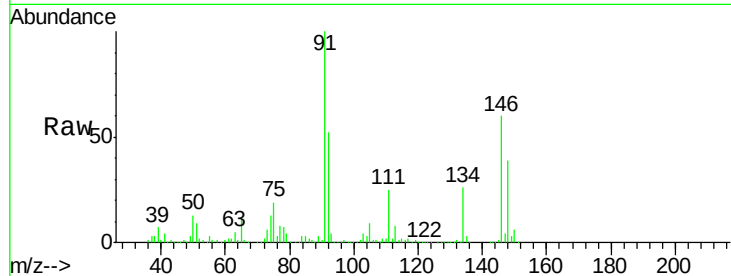
#89
n-Butylbenzene
Concen: 18.02 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.7	13.5	40.5

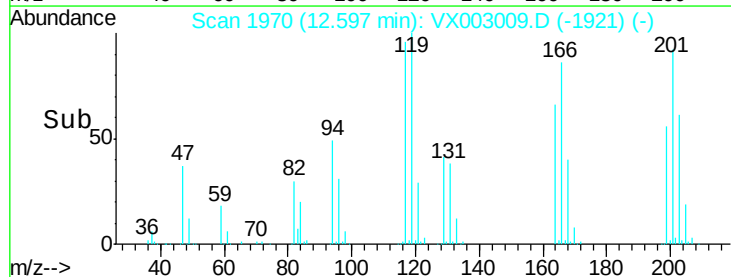
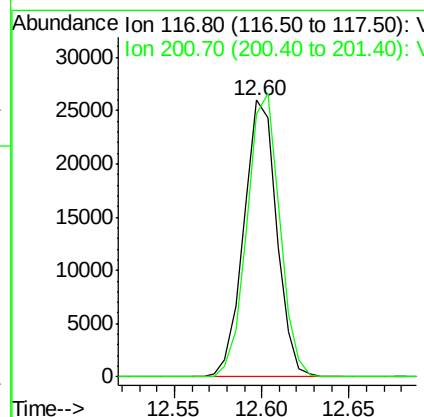
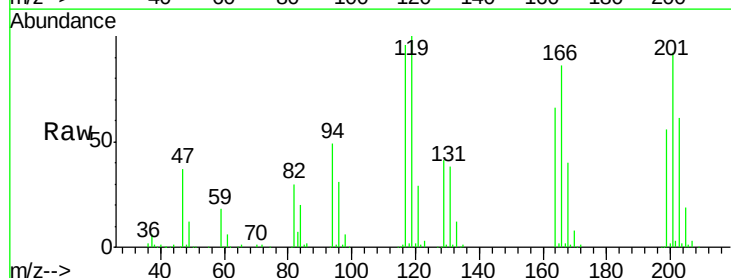
Manual Integrations
APPROVED

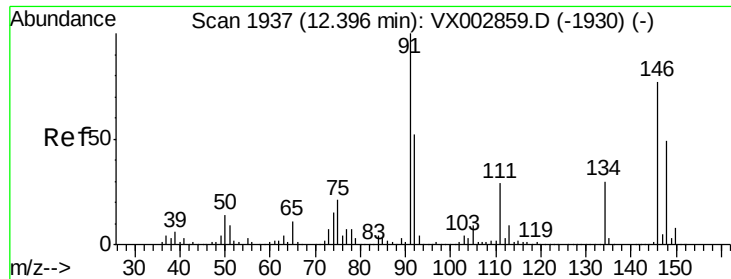
MMDadoda
6/29/2018 12:22:52 PM



#90
Hexachloroethane
Concen: 17.01 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003009.D
Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.7	49.0	147.0





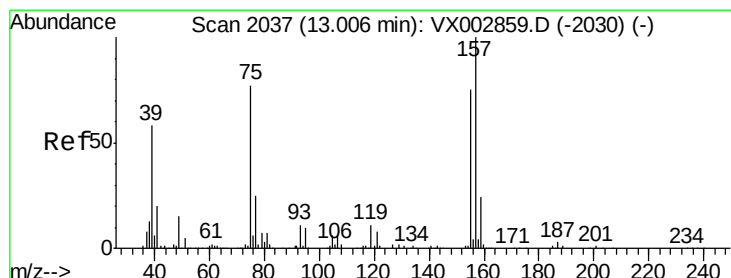
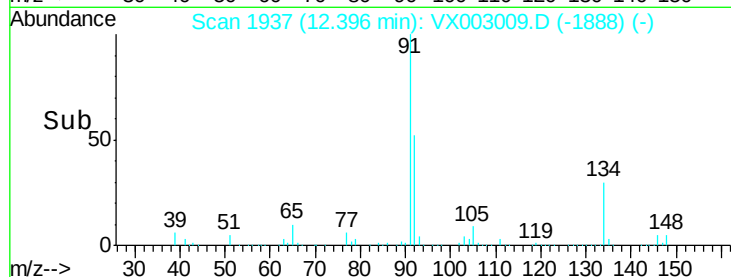
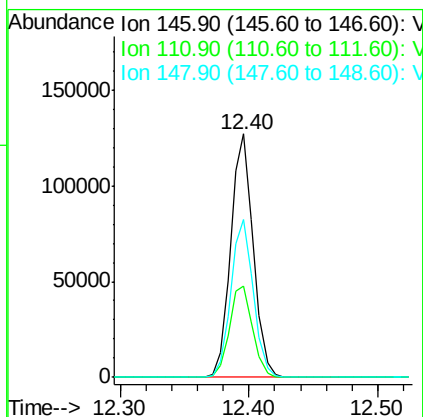
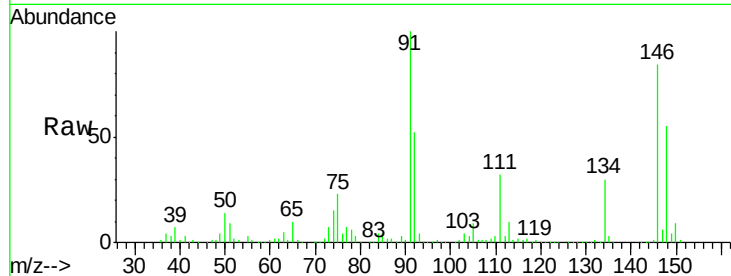
#91
 1,2-Dichlorobenzene
 Concen: 19.91 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.8	31.7	95.1

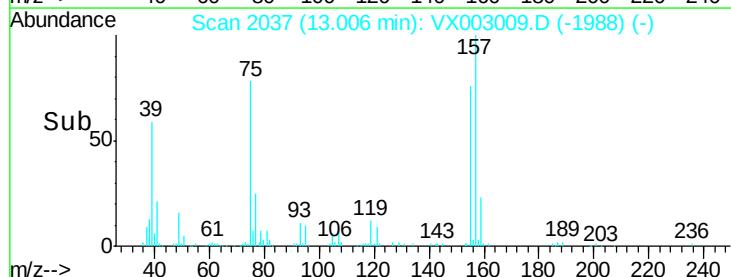
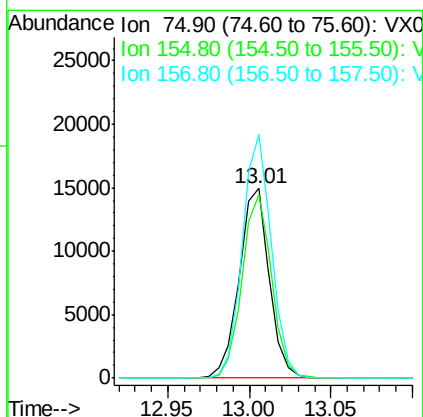
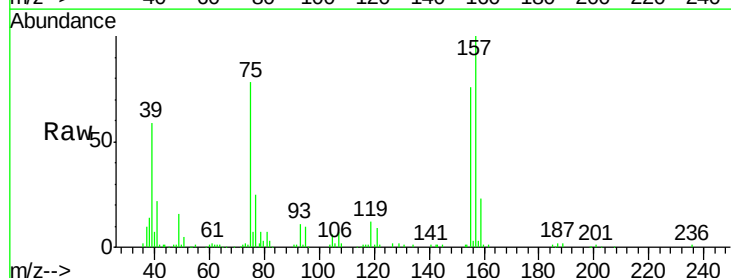
Manual Integrations
 APPROVED

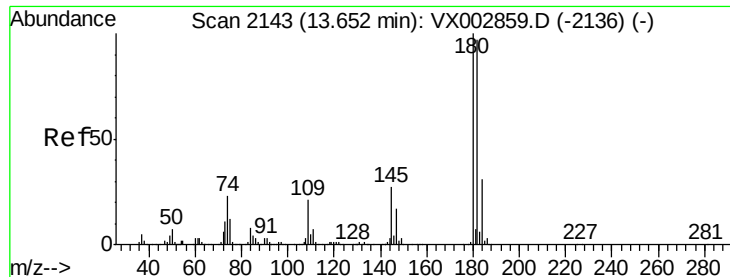
MMDadoda
 6/29/2018 12:22:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.69 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	45.8	137.4
157	123.6	60.1	180.3





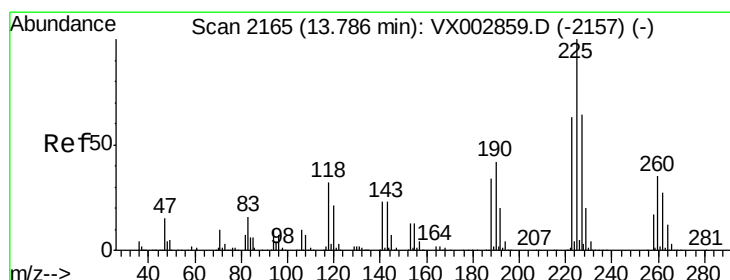
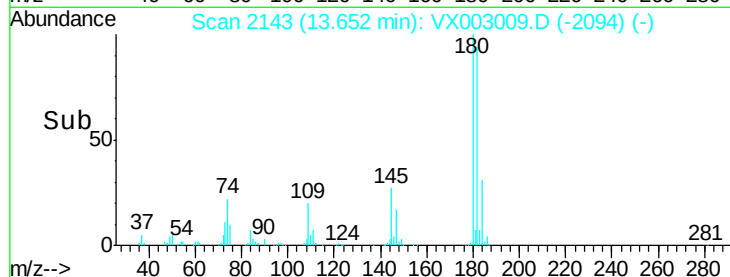
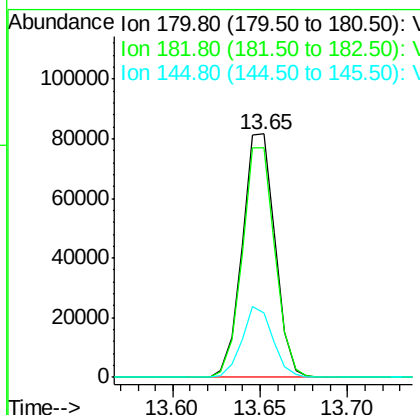
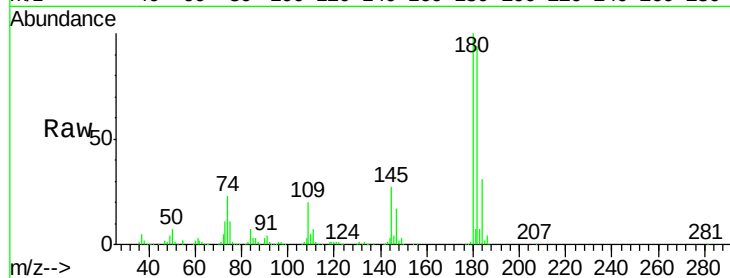
#93
 1,2,4-Trichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106089		
182	94.2	47.7	143.1	
145	27.5	14.1	42.4	

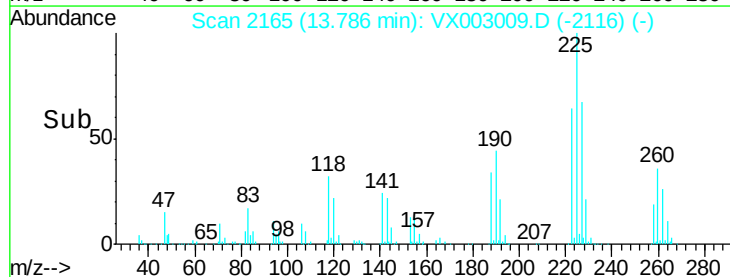
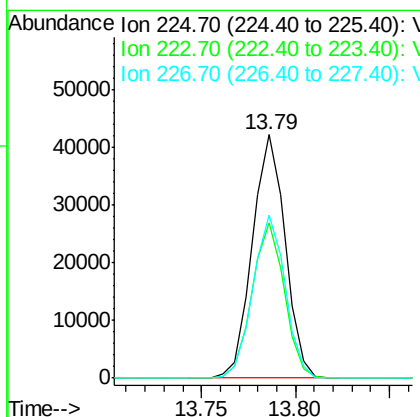
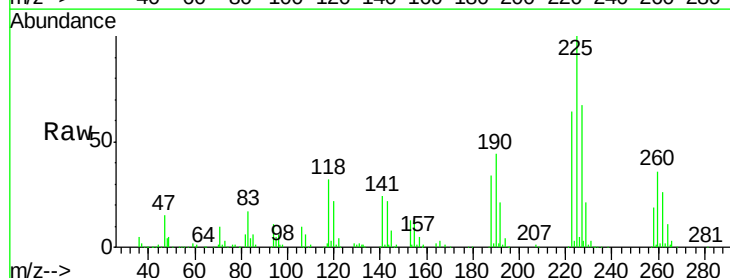
Manual Integrations
 APPROVED

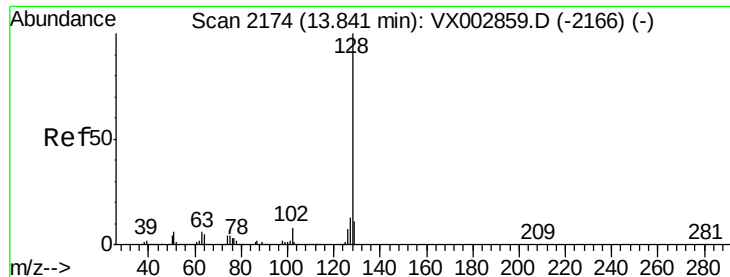
MMDadoda
 6/29/2018 12:22:52 PM



#94
 Hexachlorobutadiene
 Concen: 18.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003009.D
 Acq: 29 Jun 2018 02:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50991		
223	62.4	31.6	95.0	
227	65.8	32.4	97.2	





#95

Naphthalene

Concen: 20.38 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Instrument :

MSVOA_X

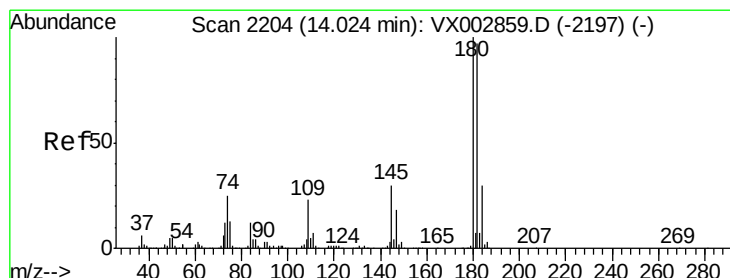
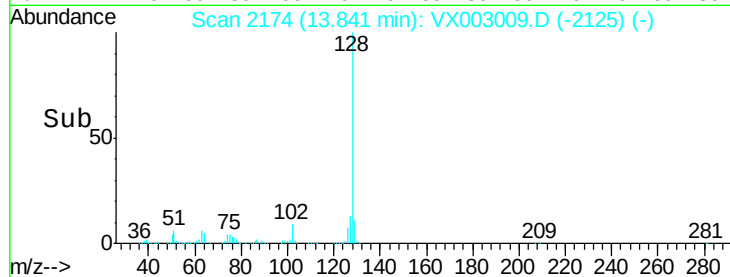
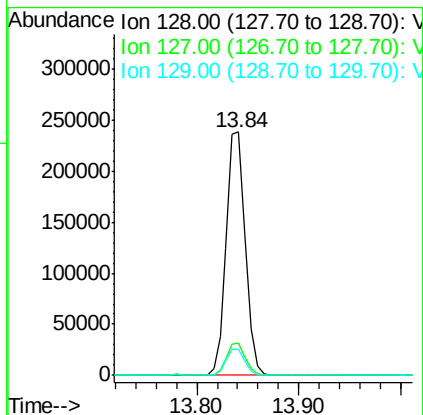
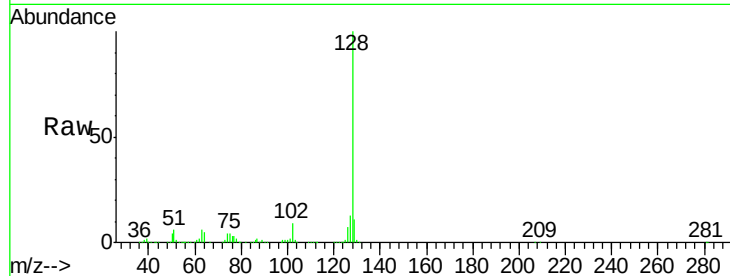
ClientSampleId :

VX0628WBS03

Tot Ion:	128	Resp:	308116
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.36 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003009.D

Acq: 29 Jun 2018 02:44

Tgt Ion:	180	Resp:	109735
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.0
145	29.0	14.8	44.3

